

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
 Data File : VN051894.D
 Acq On : 16 Oct 2018 14:27
 Operator : MD\SY
 Sample : VN1016MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 1:12:01 PM

Quant Time: Oct 17 04:33:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	872964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1284585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1127096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	491338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	390718	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
35) Dibromofluoromethane	7.59	113	388671	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.09	98	1433589	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.40	95	450522	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108609	22.41	ug/l	98
3) Chloromethane	2.06	50	103541	17.64	ug/l	96
4) Vinyl Chloride	2.19	62	154399	17.54	ug/l	97
5) Bromomethane	2.57	94	117534	14.80	ug/l	98
6) Chloroethane	2.71	64	115470	17.86	ug/l	97
7) Trichlorofluoromethane	3.02	101	234200	17.91	ug/l	100
8) Diethyl Ether	3.41	74	70420	19.53	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.76	101	144490	20.73	ug/l	98
10) Methyl Iodide	3.95	142	156635	17.05	ug/l	96
11) Tert butyl alcohol	4.79	59	38333	62.47	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	127961	20.42	ug/l	89
13) Acrolein	3.61	56	32353	64.09	ug/l	99
14) Allyl chloride	4.33	41	141289	17.96	ug/l #	74
15) Acrylonitrile	4.99	53	161063	80.63	ug/l	98
16) Acetone	3.82	43	128515	71.42	ug/l	96
17) Carbon Disulfide	4.06	76	281012	16.57	ug/l	99
18) Methyl Acetate	4.33	43	82519	16.75	ug/l #	87
19) Methyl tert-butyl Ether	5.05	73	352878	17.89	ug/l #	90
20) Methylene Chloride	4.55	84	145769	19.57	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	143701	19.53	ug/l	89
22) Diisopropyl ether	5.95	45	320651	18.44	ug/l #	86
23) Vinyl Acetate	5.90	43	1061792	83.49	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	229264	19.20	ug/l	95
25) 2-Butanone	6.84	43	188688	74.20	ug/l	92
26) 2,2-Dichloropropane	6.83	77	227208	18.79	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	166094	19.58	ug/l	88
28) Bromochloromethane	7.20	49	92467	18.45	ug/l #	67
29) Tetrahydrofuran	7.21	42	109016	71.94	ug/l #	76
30) Chloroform	7.37	83	279651	19.58	ug/l	100
31) Cyclohexane	7.66	56	202574	18.81	ug/l #	74
32) 1,1,1-Trichloroethane	7.57	97	259508	19.36	ug/l	97
36) 1,1-Dichloropropene	7.79	75	191657	18.43	ug/l	93
37) Ethyl Acetate	6.93	43	80121	15.01	ug/l #	94
38) Carbon Tetrachloride	7.77	117	228550	18.96	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	248744	19.47	ug/l	88
40) Benzene	8.04	78	588186	19.61	ug/l	99
41) Methacrylonitrile	7.17	41	43741	16.99	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	186841	19.00	ug/l	100
43) Isopropyl Acetate	8.17	43	177766	16.30	ug/l #	87
44) Trichloroethene	8.84	130	179805	19.69	ug/l	99
45) 1,2-Dichloropropane	9.12	63	136724	19.38	ug/l	98
46) Dibromomethane	9.21	93	99704	18.42	ug/l	99
47) Bromodichloromethane	9.40	83	202022	18.68	ug/l	99
48) Methyl methacrylate	9.20	41	73269	15.40	ug/l #	75
49) 1,4-Dioxane	9.21	88	25680	310.40	ug/l	87
51) 4-Methyl-2-Pentanone	9.99	43	420129	75.80	ug/l	97
52) Toluene	10.16	92	393037	19.51	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	181390	16.74	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	215874	18.15	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	139454	18.40	ug/l	96
56) Ethyl methacrylate	10.43	69	146992	16.47	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	212492	18.05	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	313058	80.56	ug/l #	88
59) 2-Hexanone	10.75	43	269342	69.19	ug/l	97
60) Dibromochloromethane	10.90	129	152958	17.00	ug/l	98
61) 1,2-Dibromoethane	11.00	107	139657	17.89	ug/l	99
64) Tetrachloroethene	10.63	164	181532	21.00	ug/l	98
65) Chlorobenzene	11.43	112	448910	19.69	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	167058	19.23	ug/l	99
67) Ethyl Benzene	11.51	91	742758	19.68	ug/l	96
68) m/p-Xylenes	11.62	106	606040	39.76	ug/l	94
69) o-Xylene	11.95	106	293843	19.85	ug/l	94
70) Styrene	11.96	104	435010	19.05	ug/l	99
71) Bromoform	12.13	173	89733	15.76	ug/l #	98
73) Isopropylbenzene	12.25	105	783117	20.68	ug/l	99
74) N-amyl acetate	12.07	43	120023	15.99	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	150561	18.10	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	116696m	18.97	ug/l	
77) Bromobenzene	12.53	156	192268	20.37	ug/l	85
78) n-propylbenzene	12.59	91	819082	20.66	ug/l	96
79) 2-Chlorotoluene	12.67	91	490980	20.56	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	640823	20.77	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	30463	14.28	ug/l	92
82) 4-Chlorotoluene	12.77	91	470749	20.51	ug/l	96
83) tert-Butylbenzene	12.99	119	588184	20.56	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	650595	21.18	ug/l	100
85) sec-Butylbenzene	13.17	105	762084	20.56	ug/l	99
86) p-Isopropyltoluene	13.29	119	673677	20.67	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	325722	20.18	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	305967	19.55	ug/l	100
89) n-Butylbenzene	13.61	91	485671	20.04	ug/l	98
90) Hexachloroethane	13.87	117	104734	17.70	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	315607	20.23	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18151	14.83	ug/l	88

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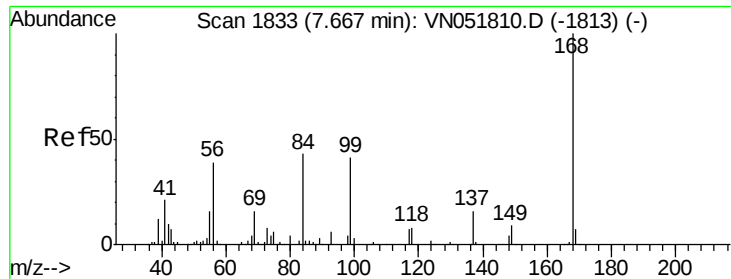
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	111657	16.21	ug/l	99
94) Hexachlorobutadiene	15.01	225	101753	20.18	ug/l	100
95) Naphthalene	15.13	128	215109	15.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	115534	16.48	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051894.D

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Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 168 Resp: 872964

Ion Ratio Lower Upper

168 100

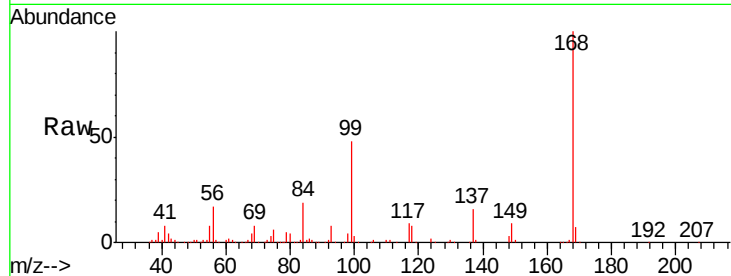
99 47.7 39.6 59.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

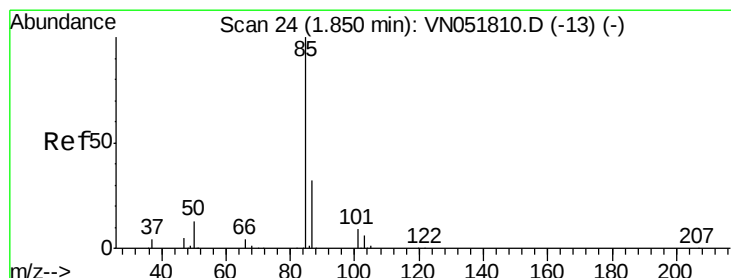
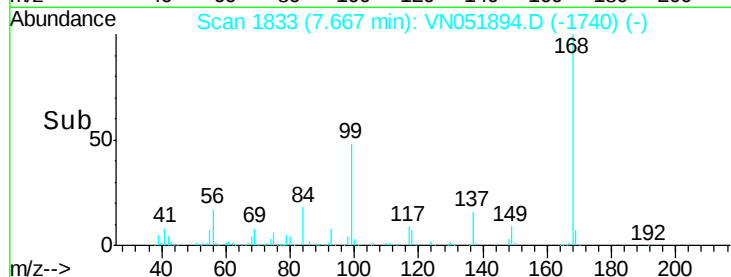
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.41 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051894.D

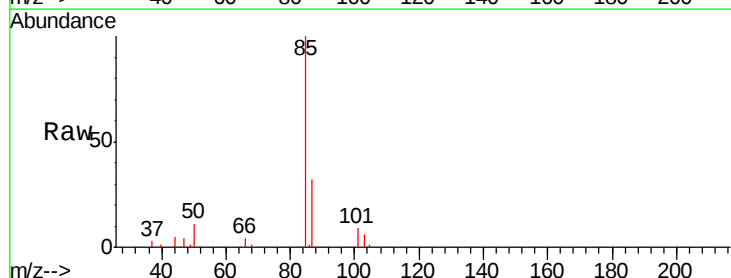
Acq: 16 Oct 2018 14:27

Tgt Ion: 85 Resp: 108609

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

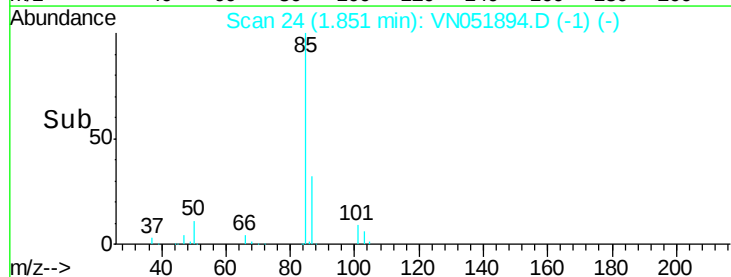
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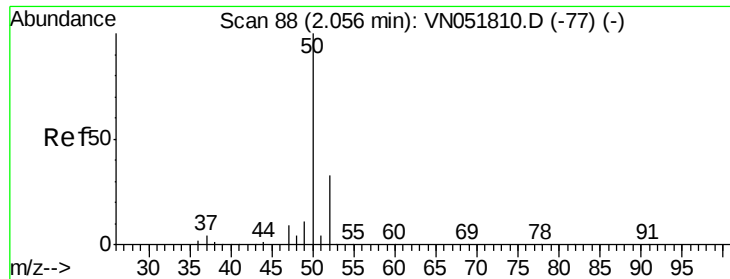
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.64 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 50 Resp: 103541

Ion Ratio Lower Upper

50 100

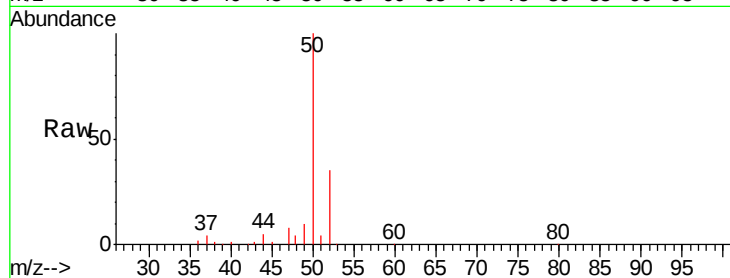
52 35.3 26.3 39.5

Manual Integrations

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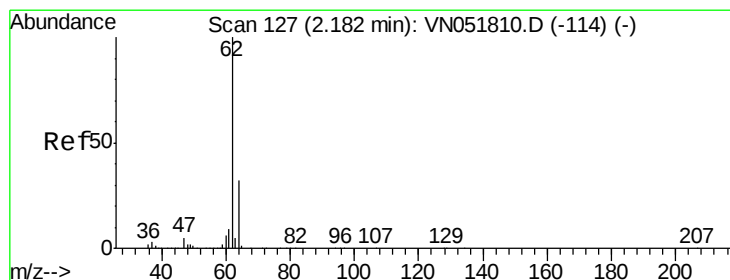
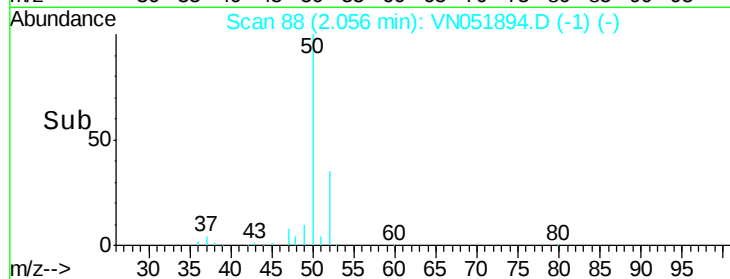
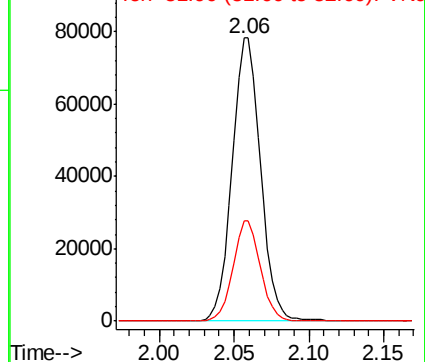
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.54 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051894.D

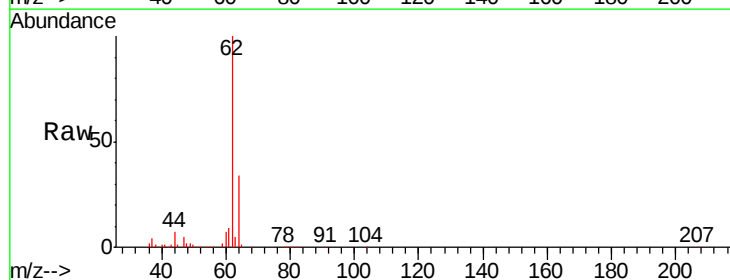
Acq: 16 Oct 2018 14:27

Tgt Ion: 62 Resp: 154399

Ion Ratio Lower Upper

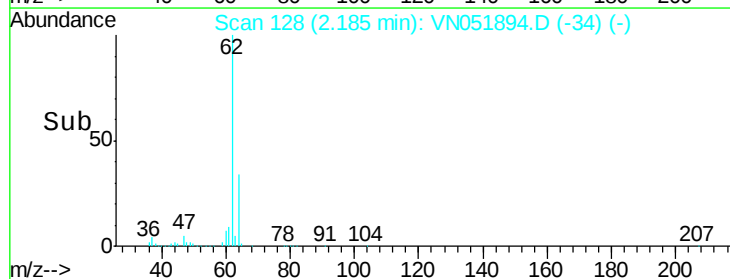
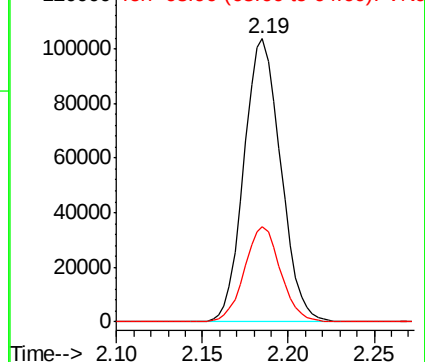
62 100

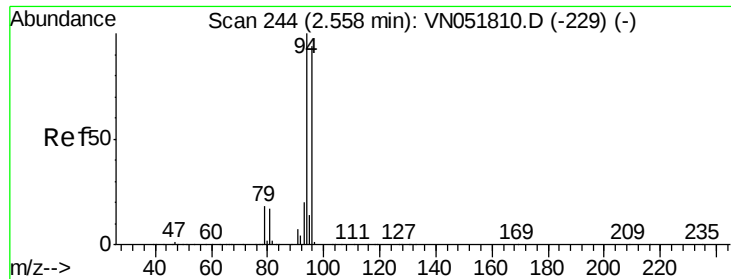
64 33.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 14.80 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 94 Resp: 117534

Ion Ratio Lower Upper

94 100

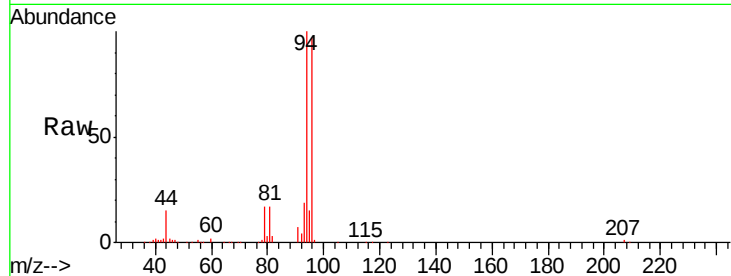
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Manual Integrations

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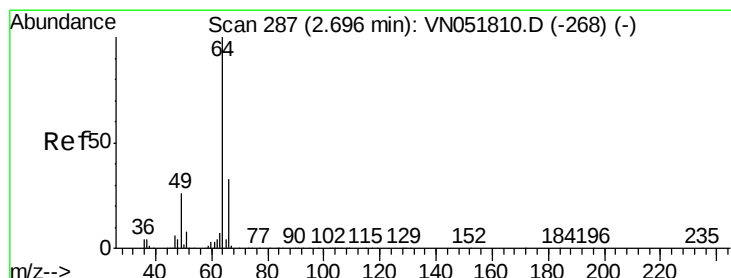
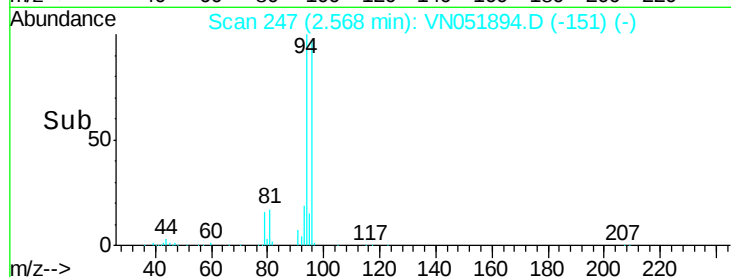
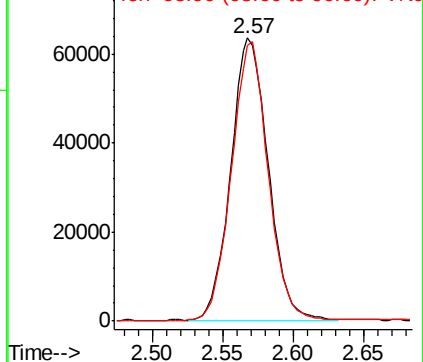
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.86 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051894.D

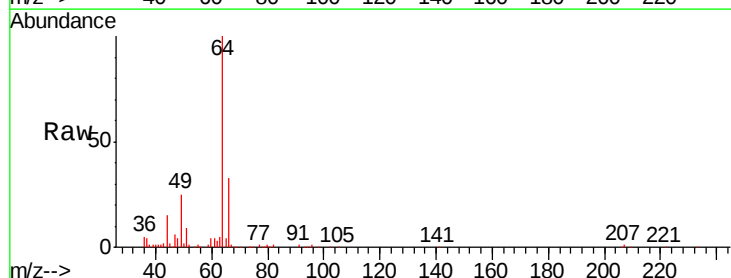
Acq: 16 Oct 2018 14:27

Tgt Ion: 64 Resp: 115470

Ion Ratio Lower Upper

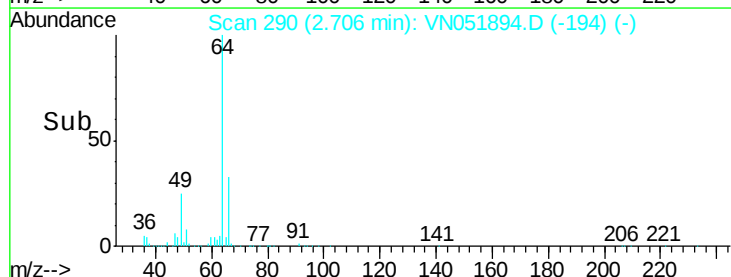
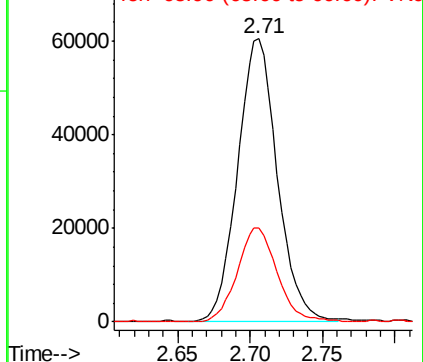
64 100

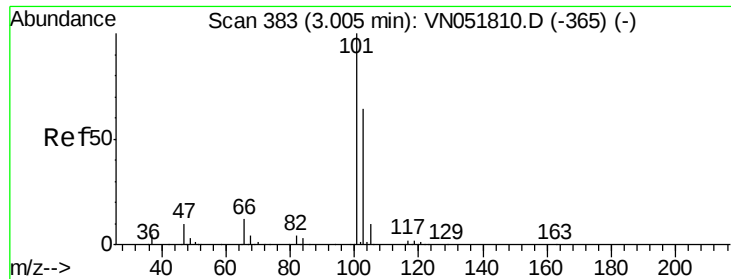
66 33.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

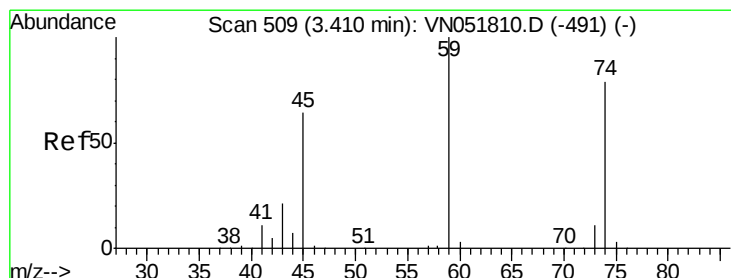
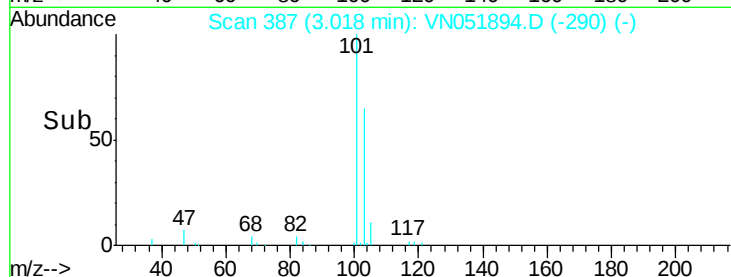
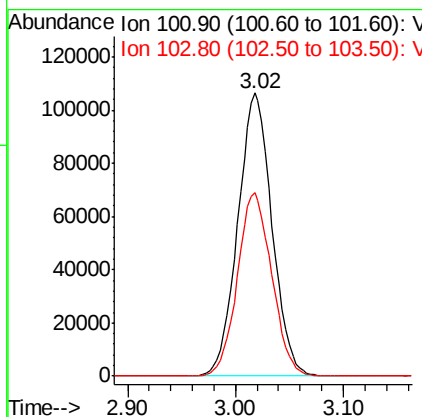
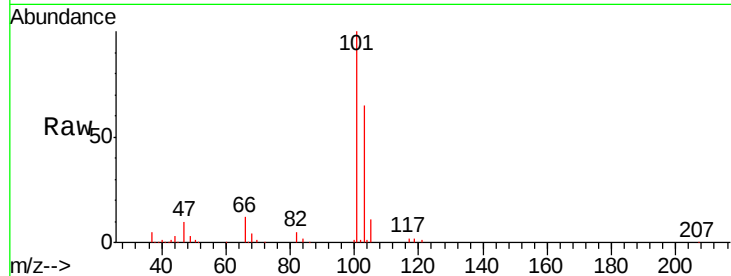
Trichlorofluoromethane
 Concen: 17.91 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.6	77.4

Manual Integrations
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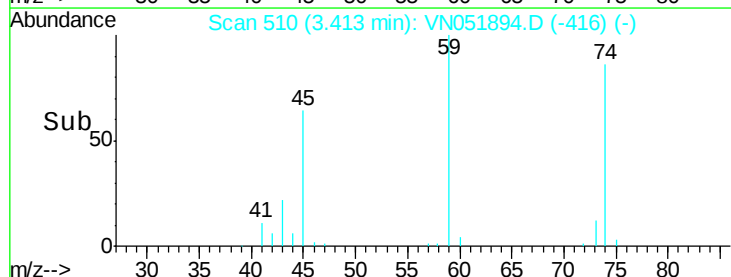
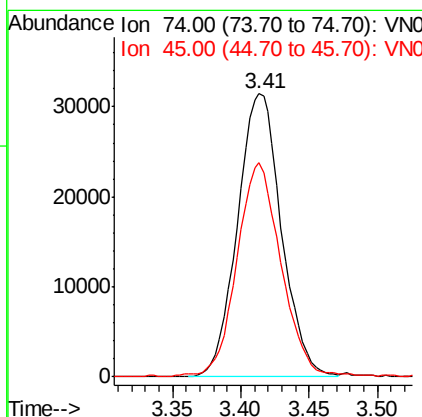
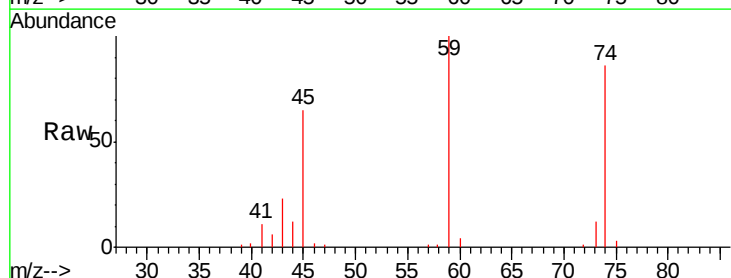
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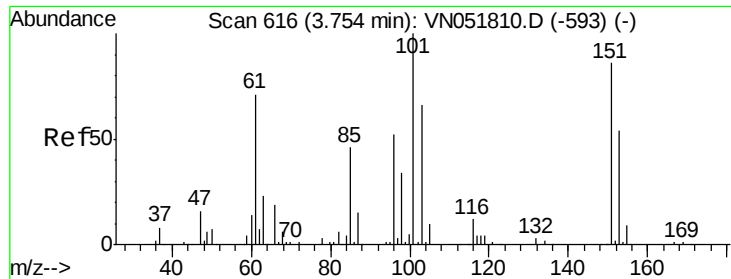


#8

Diethyl Ether
 Concen: 19.53 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	76.4	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.73 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN051894.D

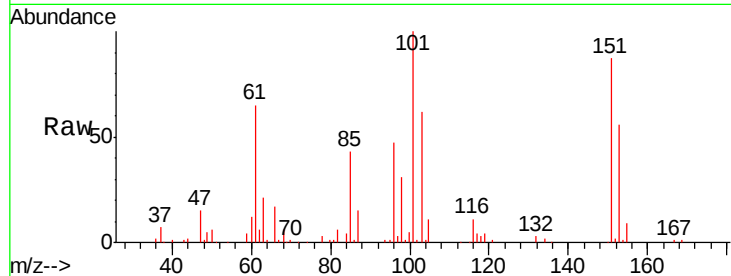
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Instrument :

MSVOA_N

ClientSampleId :

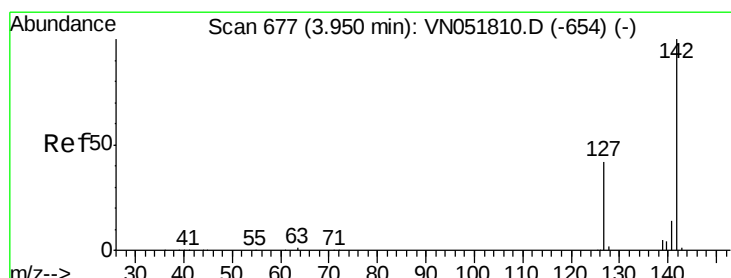
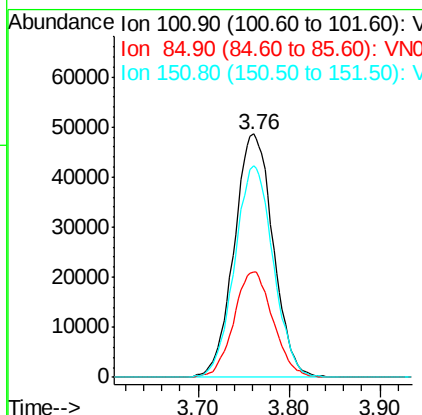
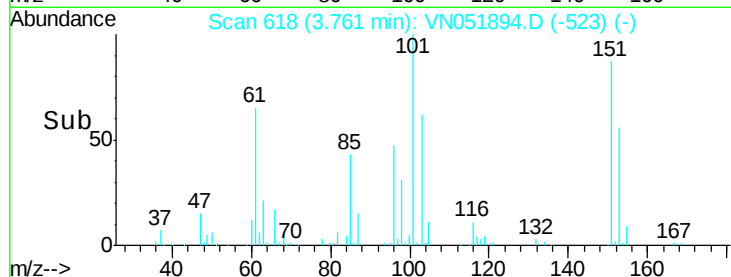
VN1016MBS01



Tgt Ion:	101	Resp:	144490
Ion Ratio	Lower	Upper	
101	100		
85	43.7	33.7	50.5
151	86.2	67.4	101.2

Manual Integrations
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#10

Methyl Iodide

Concen: 17.05 ug/l

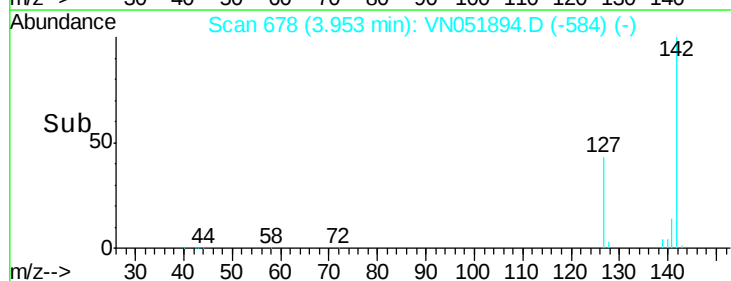
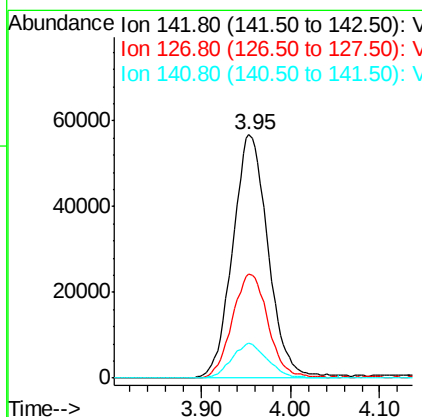
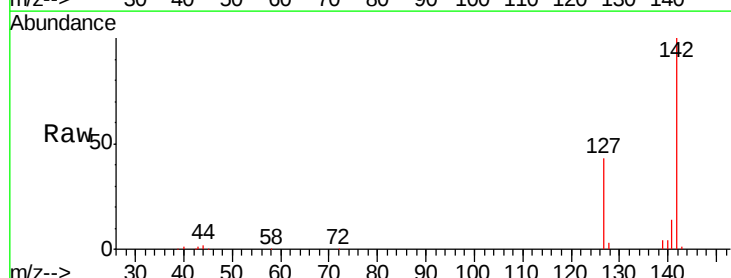
RT: 3.95 min Scan# 678

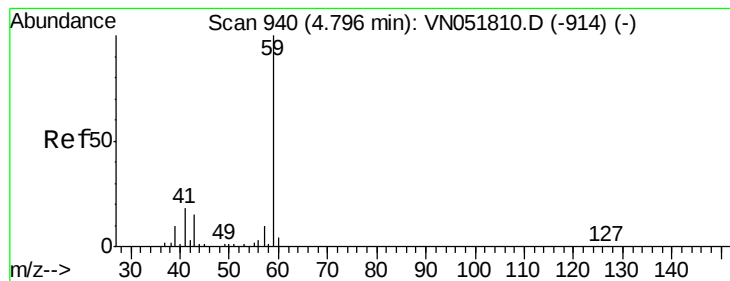
Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Tgt Ion:	142	Resp:	156635
Ion Ratio	Lower	Upper	
142	100		
127	43.2	31.7	47.5
141	14.3	11.4	17.0





#11

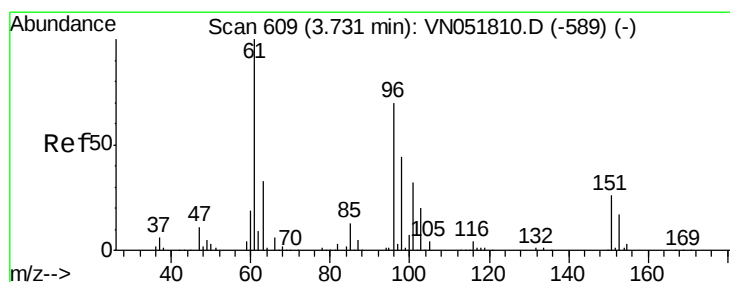
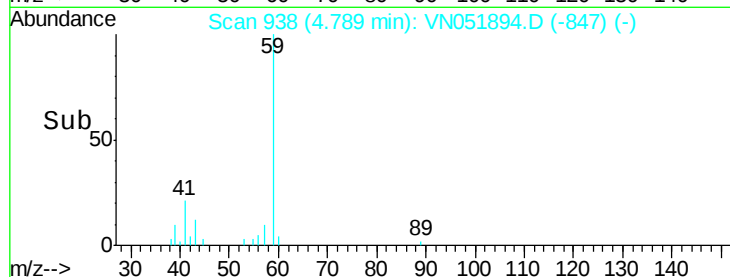
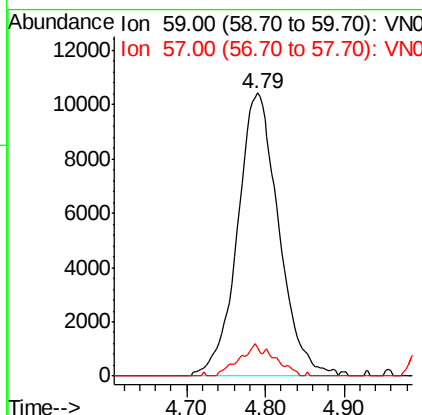
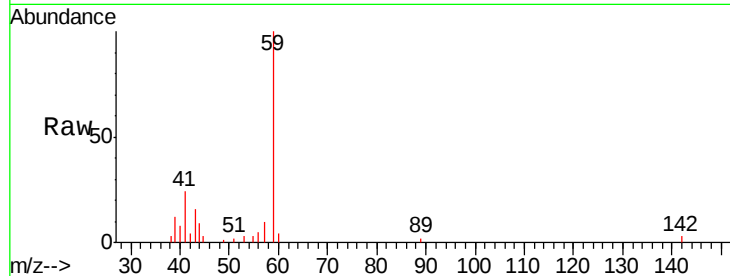
Tert butyl alcohol
 Concen: 62.47 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion: 59 Resp: 38333
 Ion Ratio Lower Upper
 59 100
 57 5.9 8.3 12.5#

Manual Integrations
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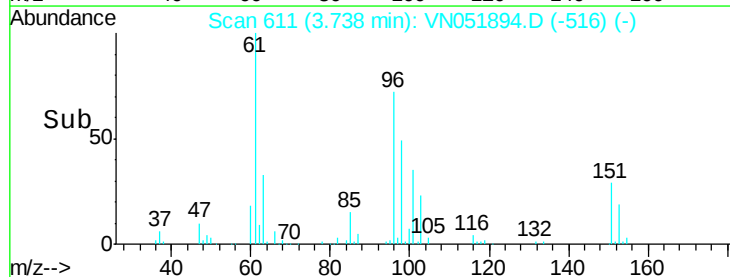
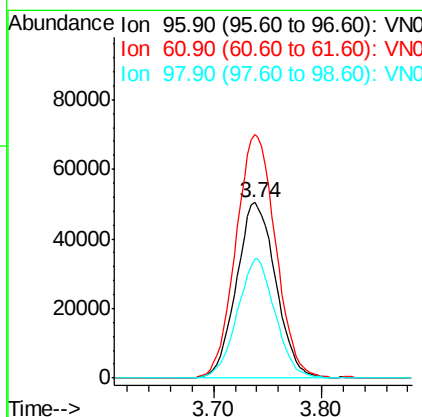
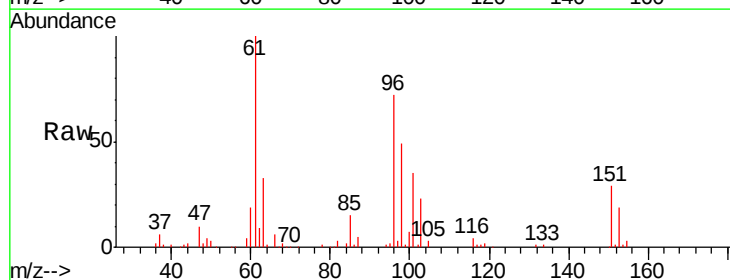
MMDadoda
 10/17/2018 1:12:01 PM

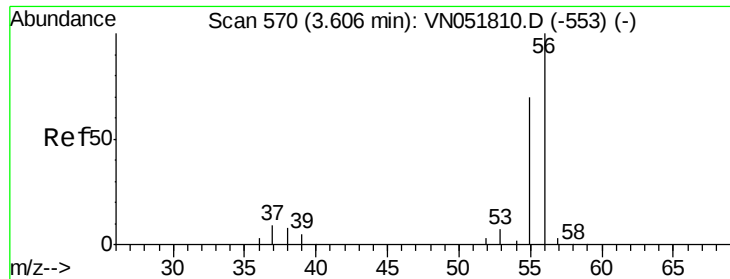


#12

1,1-Dichloroethene
 Concen: 20.42 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 96 Resp: 127961
 Ion Ratio Lower Upper
 96 100
 61 138.5 124.9 187.3
 98 67.8 51.1 76.7





#13

Acrolein

Concen: 64.09 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 56 Resp: 32353

Ion Ratio Lower Upper

56 100

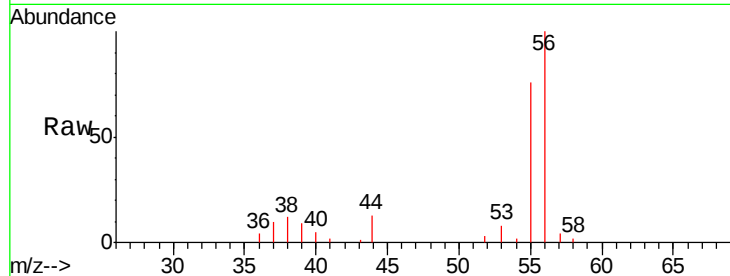
55 72.5 57.7 86.5

Manual Integrations

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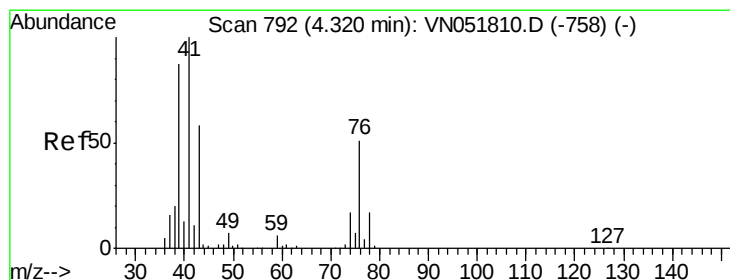
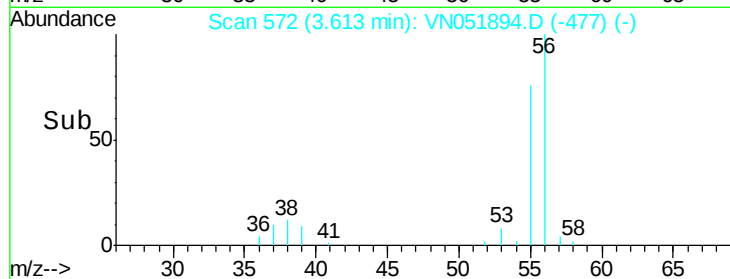
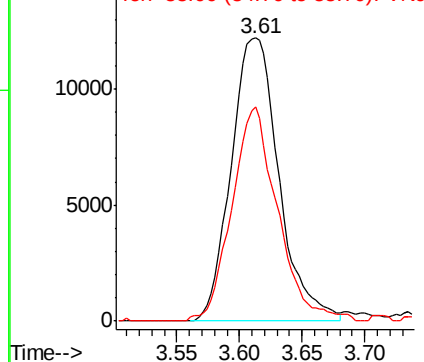
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.96 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

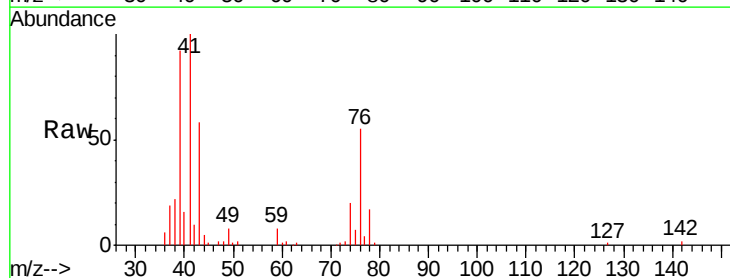
Tgt Ion: 41 Resp: 141289

Ion Ratio Lower Upper

41 100

39 84.8 50.2 75.2#

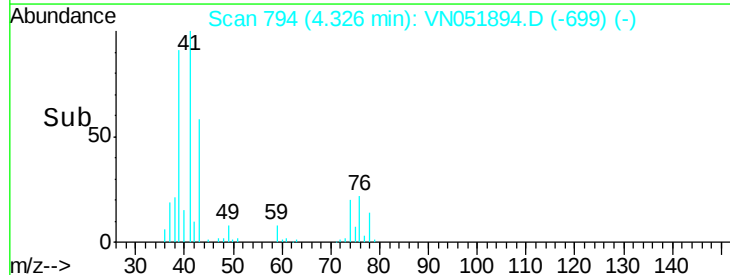
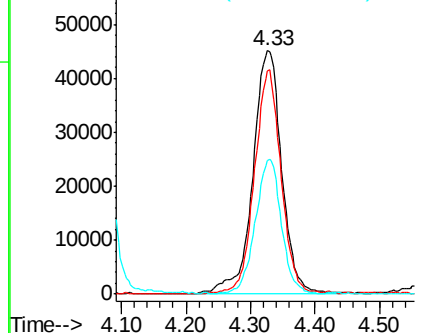
76 50.1 29.8 44.8#

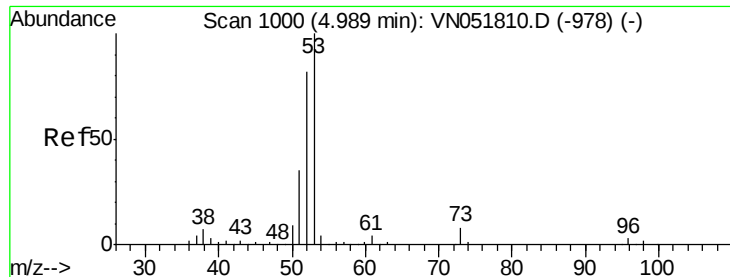


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 80.63 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

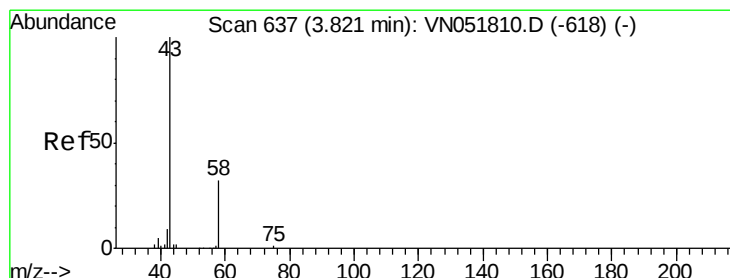
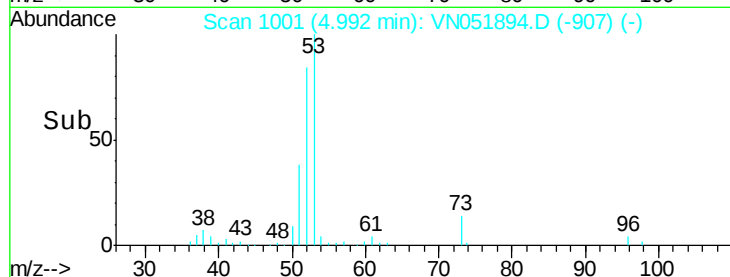
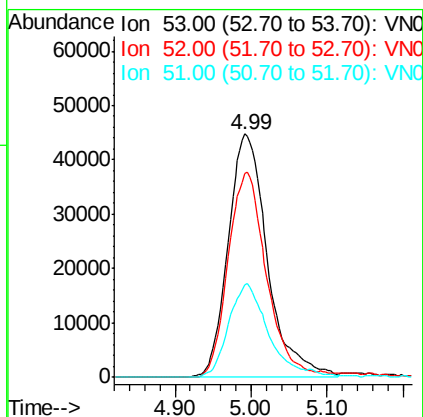
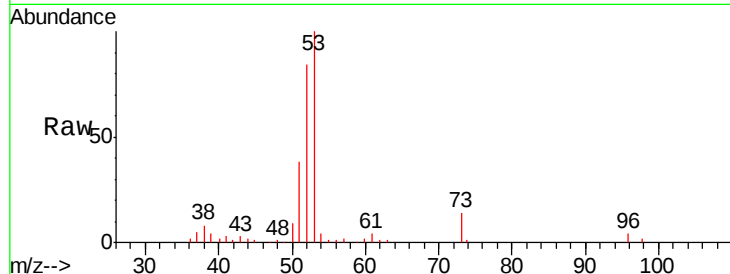
ClientSampleId :

VN1016MBS01

Tgt Ion:	53	Resp:	161063
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.9	98.9
51	39.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 71.42 ug/l

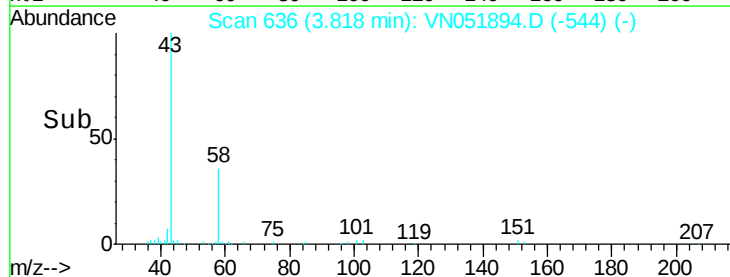
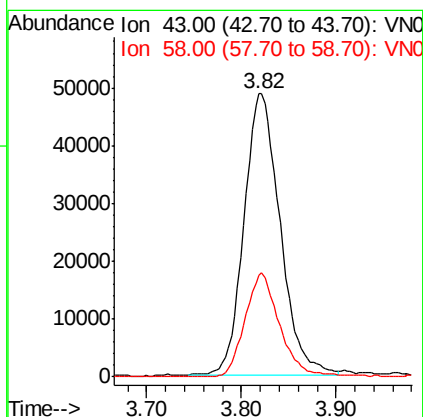
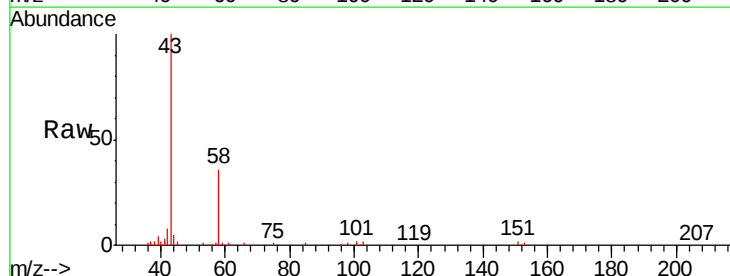
RT: 3.82 min Scan# 636

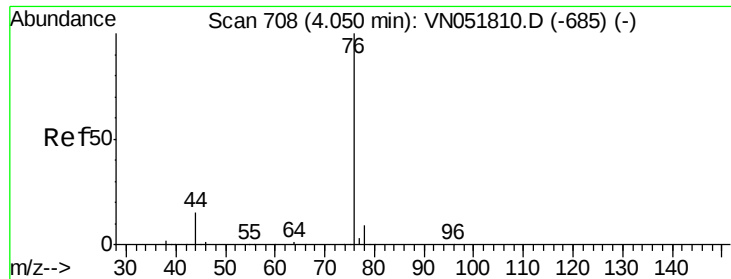
Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Tgt Ion:	43	Resp:	128515
Ion	Ratio	Lower	Upper
43	100		
58	36.2	27.2	40.8





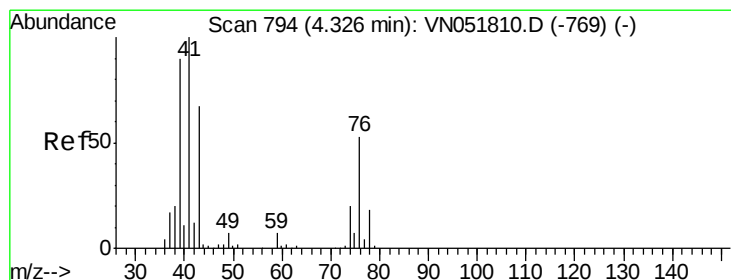
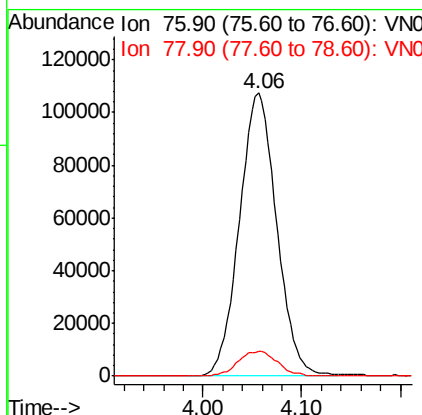
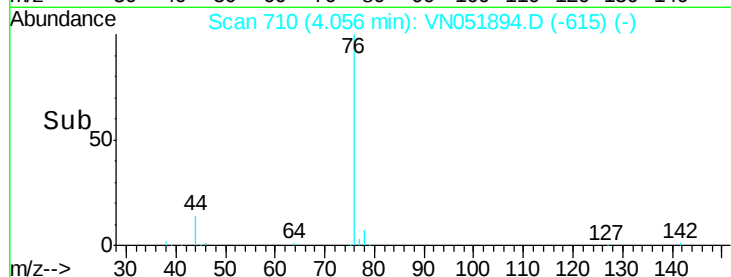
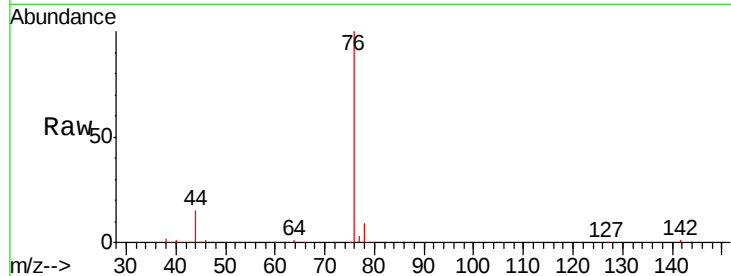
#17
Carbon Disulfide
Concen: 16.57 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.01 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

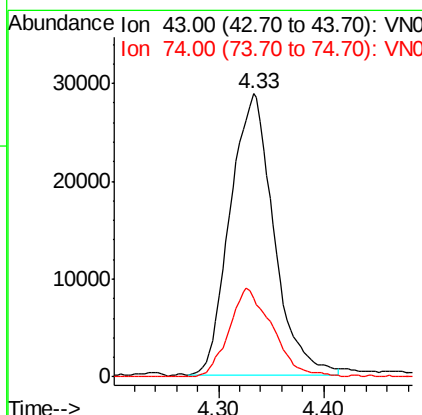
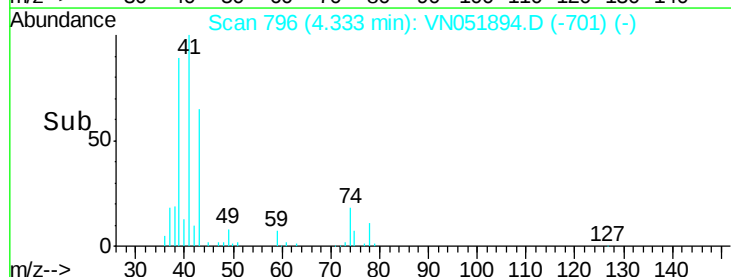
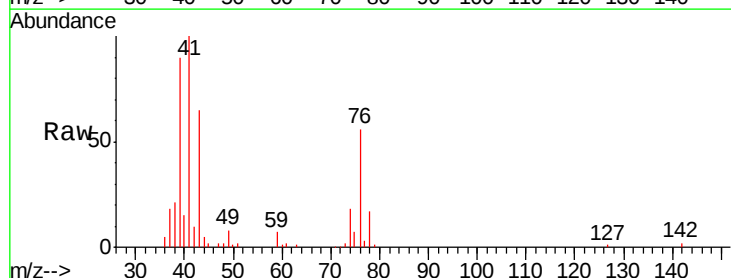
Manual Integrations
APPROVED

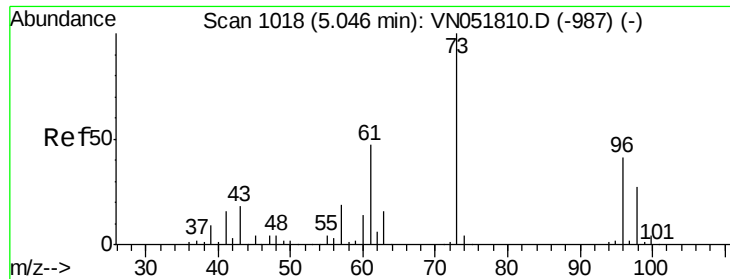
MMDadoda
10/17/2018 1:12:01 PM



#18
Methyl Acetate
Concen: 16.75 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.4	19.8	29.8#





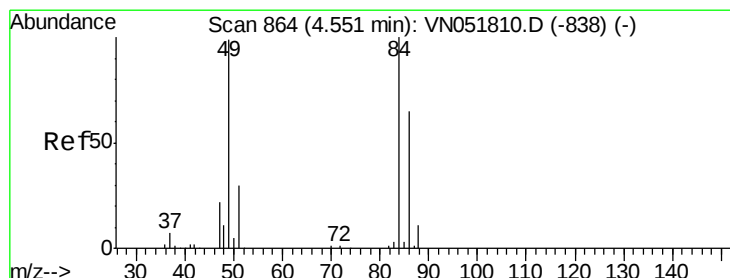
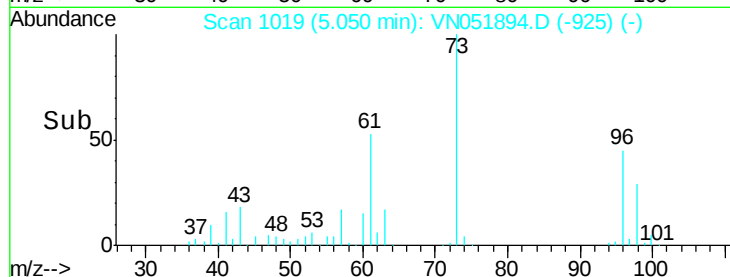
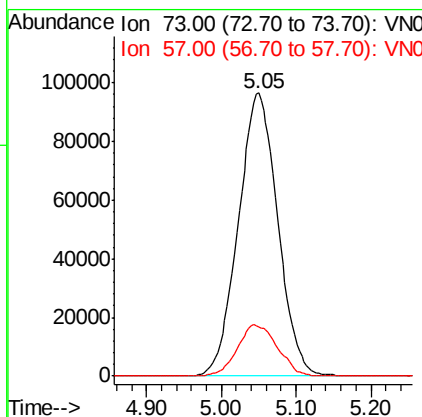
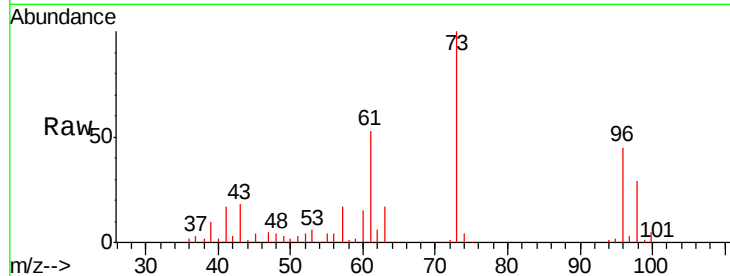
#19
Methyl tert-butyl Ether
Concen: 17.89 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion: 73 Resp: 352878
Ion Ratio Lower Upper
73 100
57 17.3 17.8 26.8#

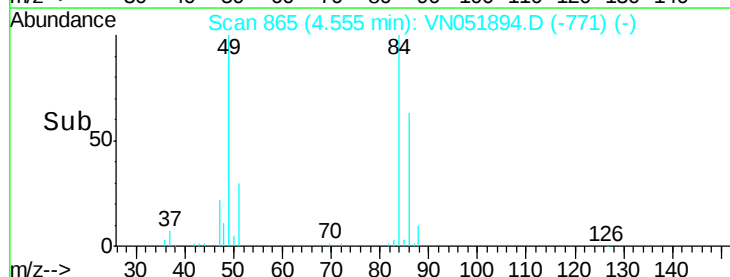
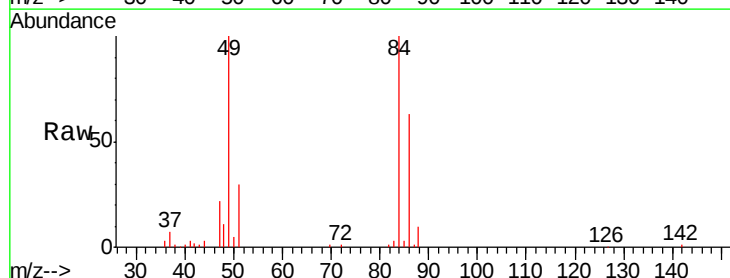
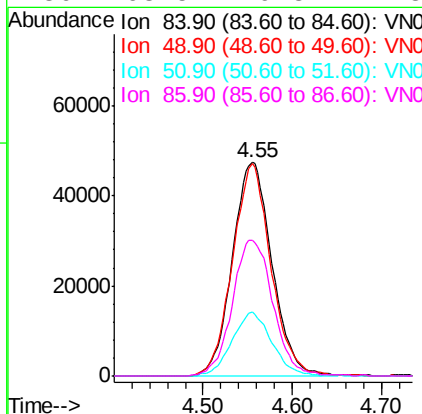
Manual Integrations
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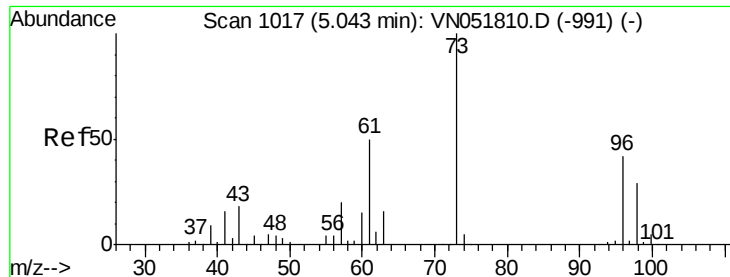
MMDadoda
10/17/2018 1:12:01 PM



#20
Methylene Chloride
Concen: 19.57 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 84 Resp: 145769
Ion Ratio Lower Upper
84 100
49 99.5 93.2 139.8
51 29.9 29.0 43.6
86 63.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.53 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 96 Resp: 143701

Ion Ratio Lower Upper

96 100

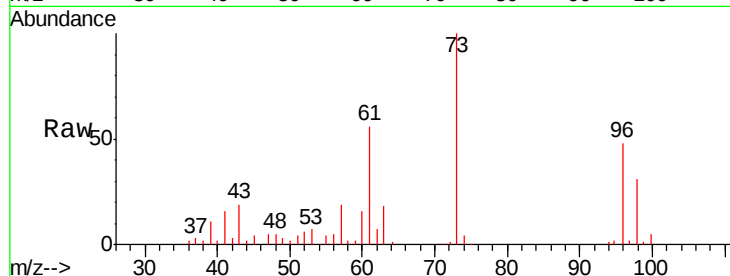
61 116.1 107.4 161.0

98 64.8 50.7 76.1

Manual Integrations
APPROVED

MMDadoda

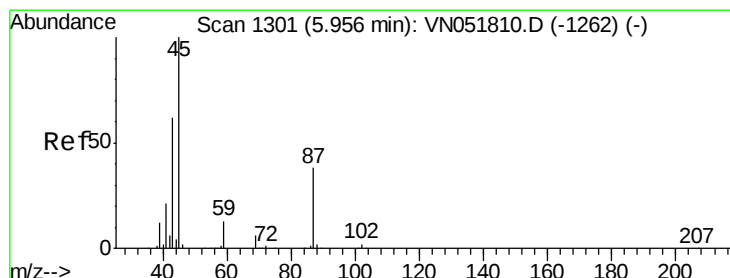
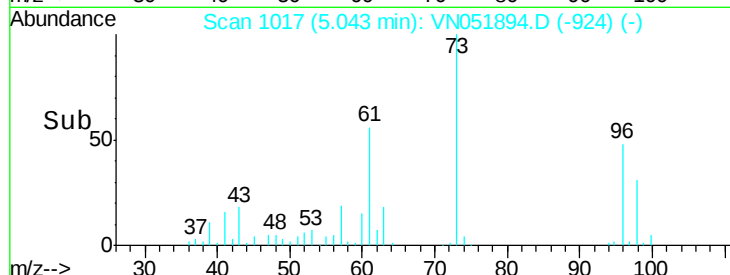
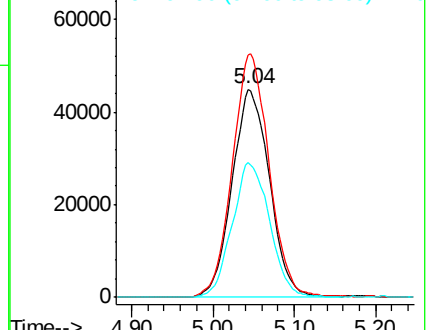
10/17/2018 1:12:01 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.44 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Tgt Ion: 45 Resp: 320651

Ion Ratio Lower Upper

45 100

43 67.7 45.9 68.9

87 38.4 22.7 34.1#

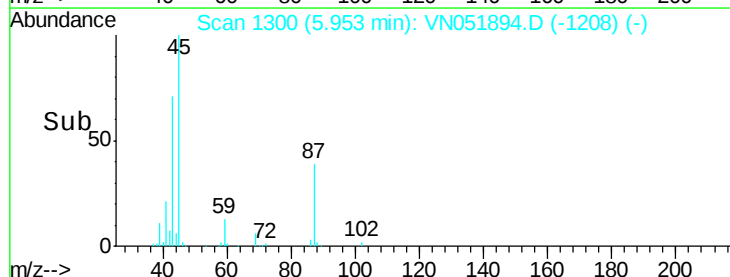
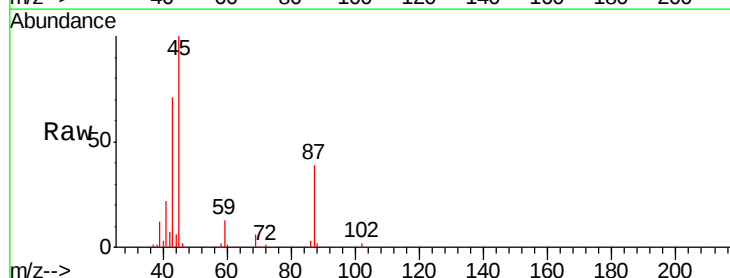
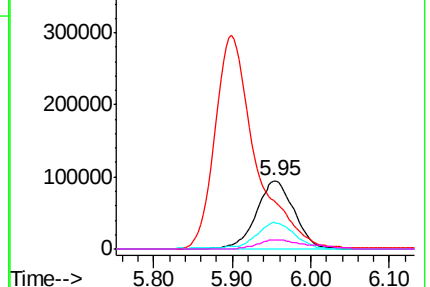
59 12.5 9.3 13.9

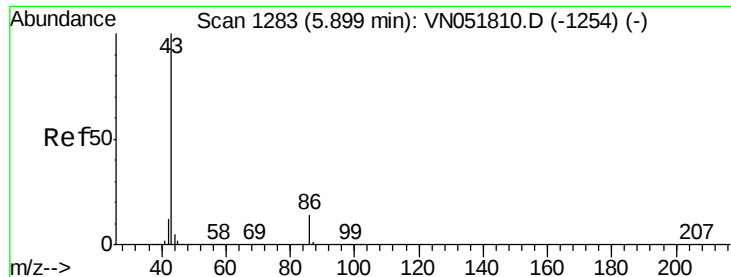
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 83.49 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 43 Resp: 1061792

Ion Ratio Lower Upper

43 100

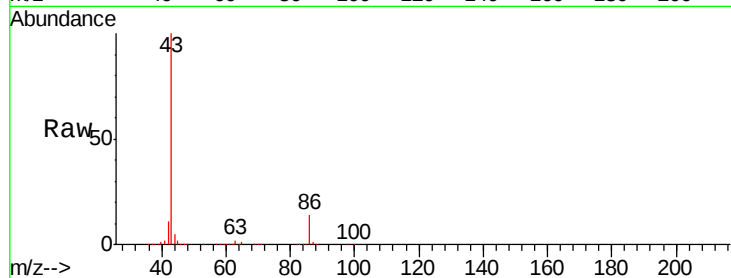
86 13.7 8.7 13.1#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN051810.D (-1254) (-)

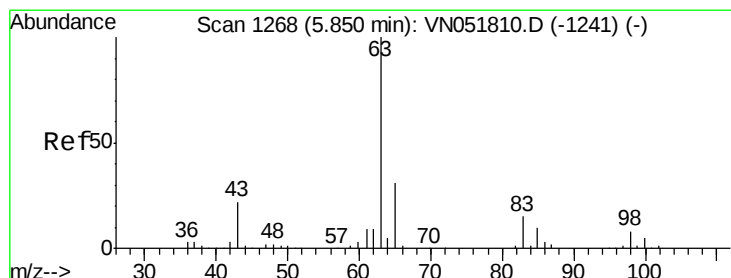
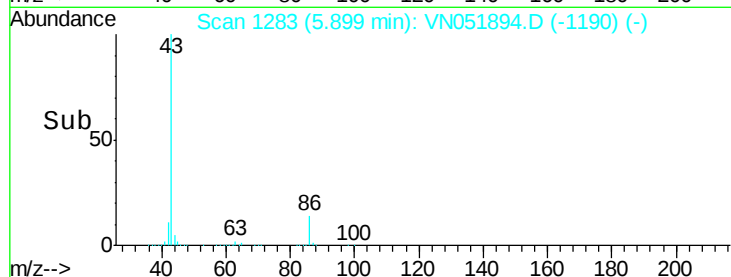
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.20 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

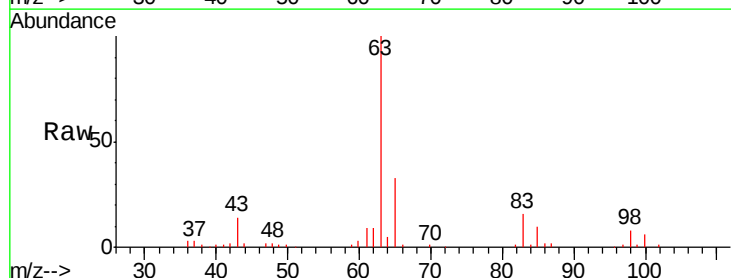
Tgt Ion: 63 Resp: 229264

Ion Ratio Lower Upper

63 100

98 8.3 3.3 9.8

100 5.6 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN051810.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN051810.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN051810.D (-1241) (-)

100000

80000

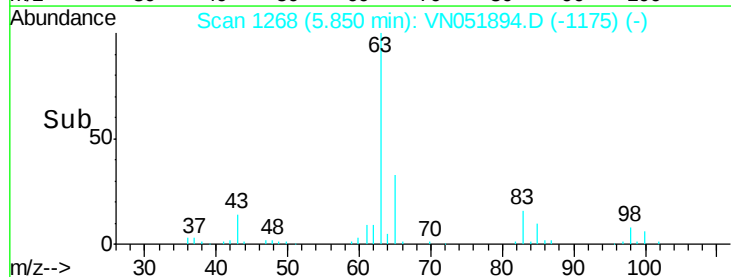
60000

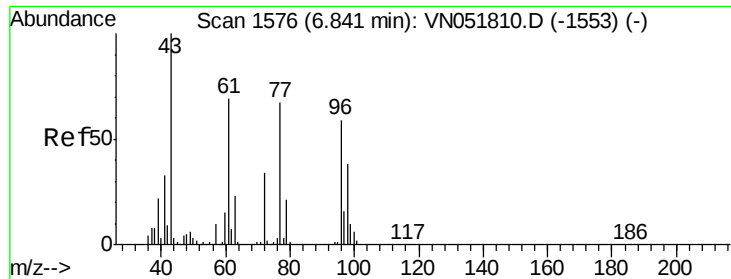
40000

20000

0

Time--> 5.70 5.80 5.90 6.00





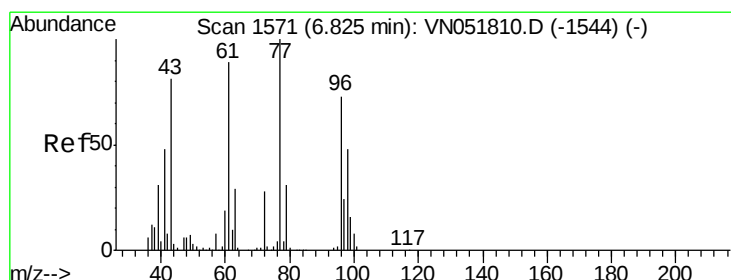
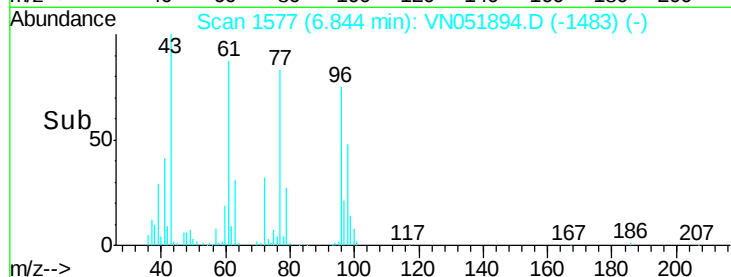
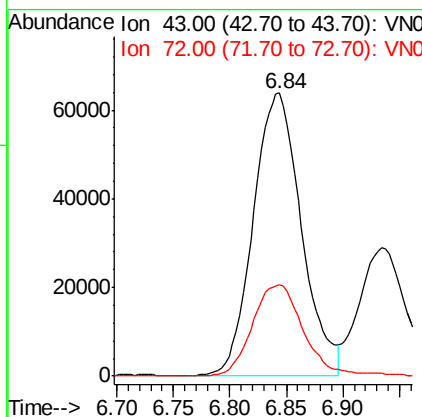
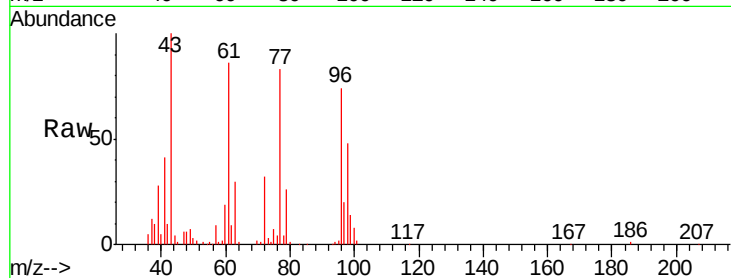
#25
2-Butanone
Concen: 74.20 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion: 43 Resp: 188688
Ion Ratio Lower Upper
43 100
72 32.2 22.3 33.5

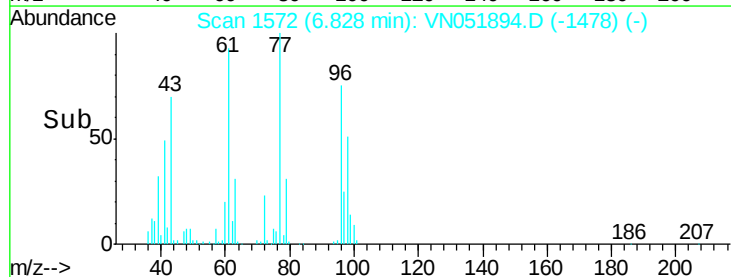
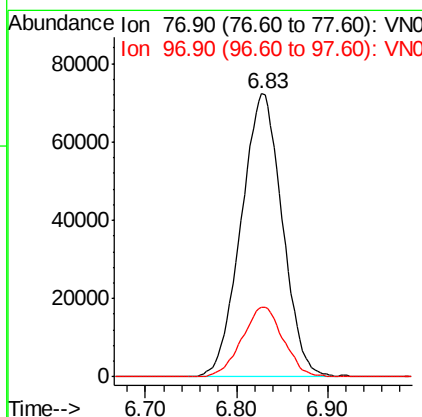
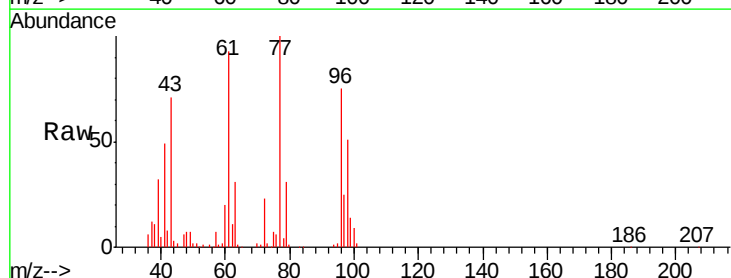
Manual Integrations
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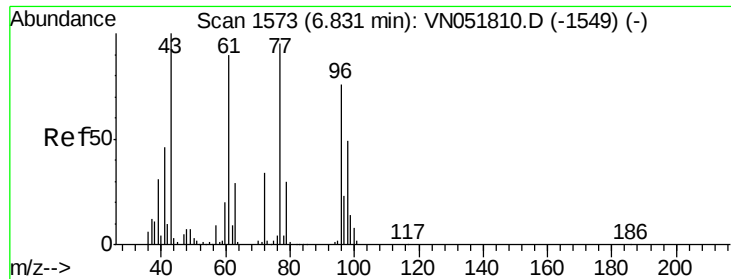
MMDadoda
10/17/2018 1:12:01 PM



#26
2,2-Dichloropropane
Concen: 18.79 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 77 Resp: 227208
Ion Ratio Lower Upper
77 100
97 24.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.58 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

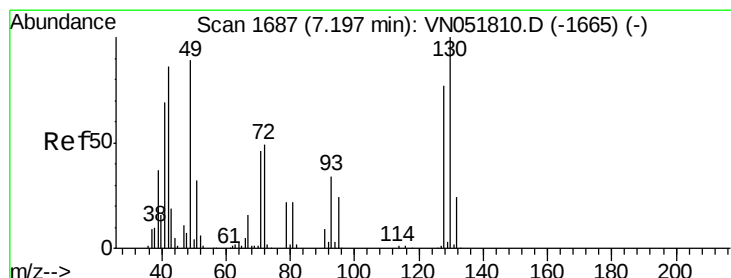
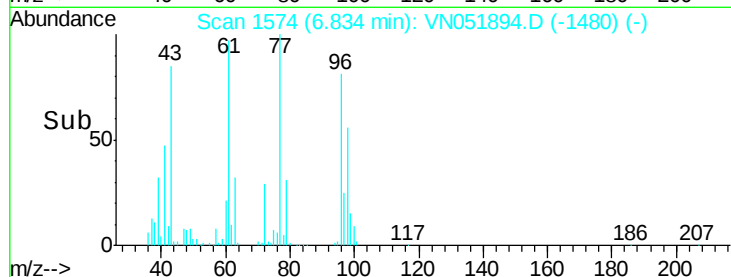
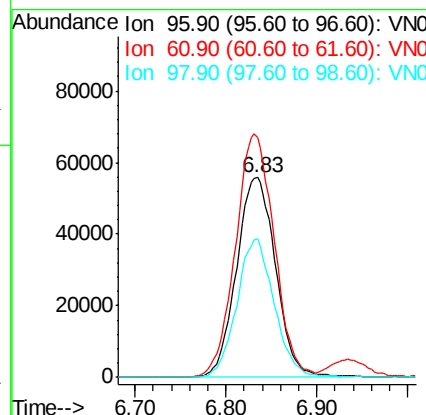
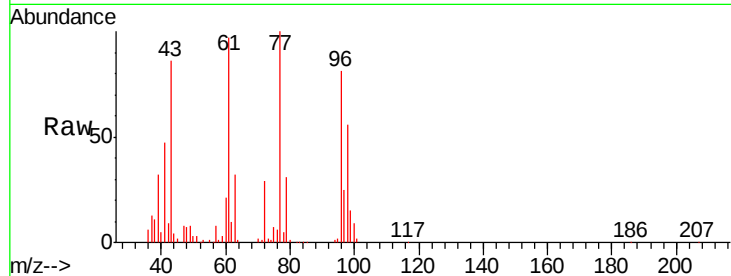
ClientSampleId :

VN1016MBS01

Tgt Ion:	96	Resp:	166094
Ion	Ratio	Lower	Upper
96	100		
61	121.1	0.0	283.4
98	66.2	0.0	129.8

Manual Integrations
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10/17/2018 1:12:01 PM



#28

Bromochloromethane

Concen: 18.45 ug/l

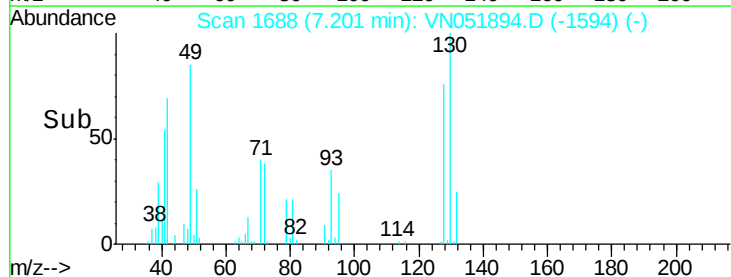
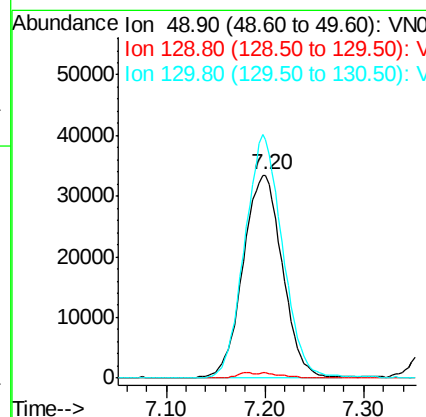
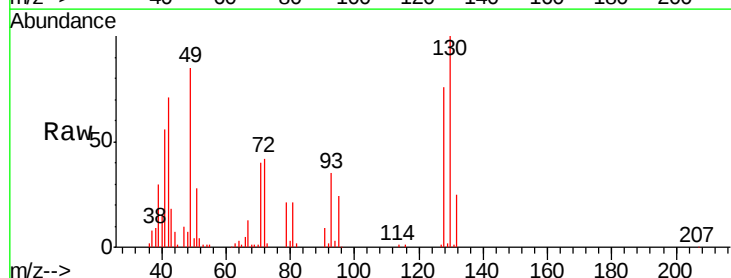
RT: 7.20 min Scan# 1688

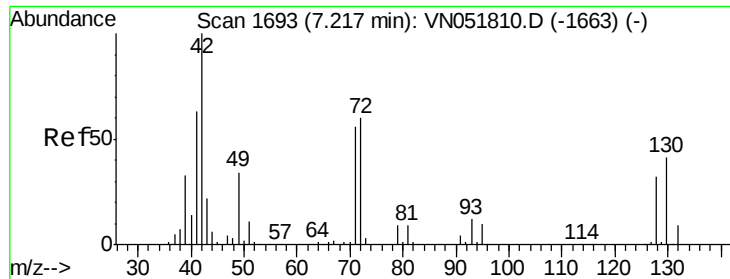
Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Tgt Ion:	49	Resp:	92467
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.2
130	114.6	67.1	100.7#





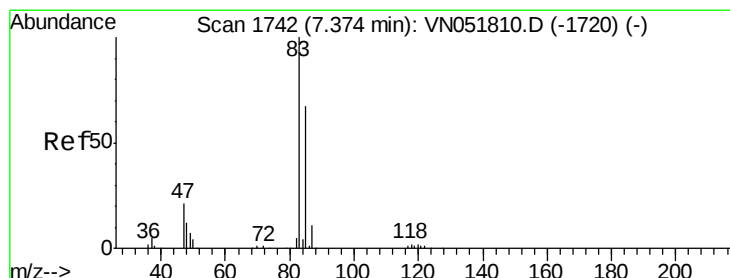
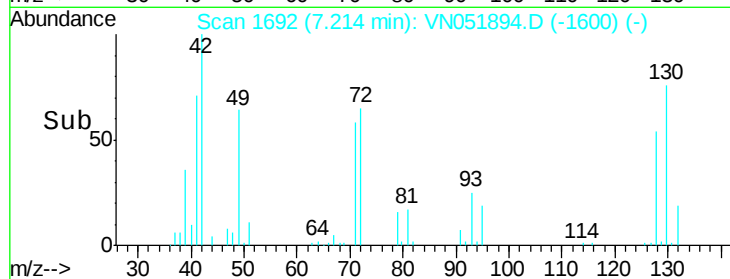
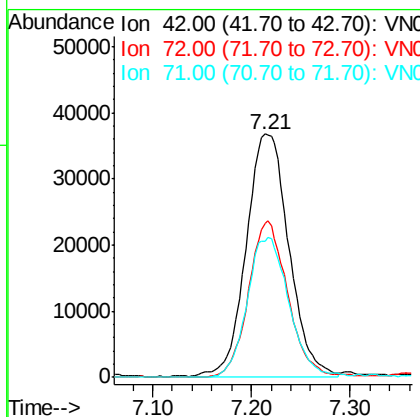
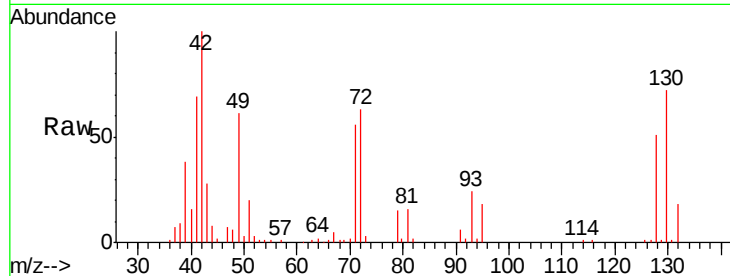
#29
Tetrahydrofuran
Concen: 71.94 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	60.2	35.5	53.3#
71	56.9	33.7	50.5#

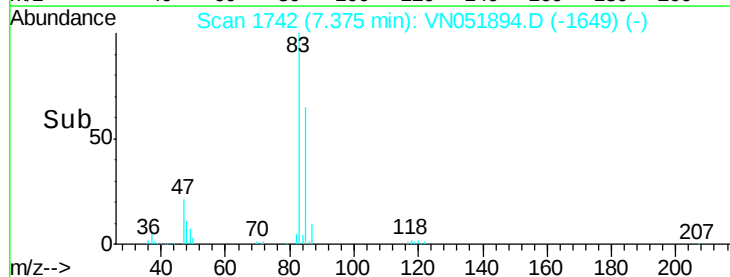
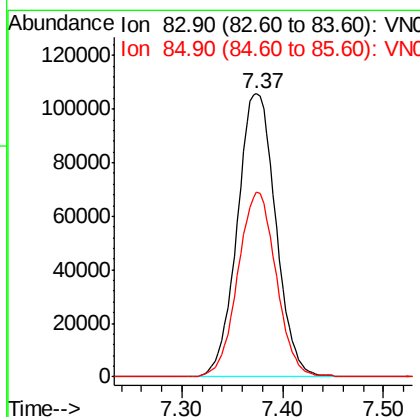
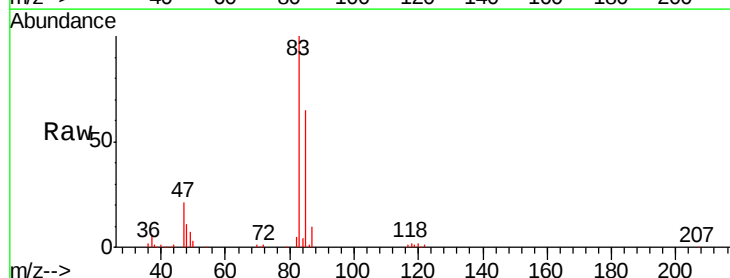
Manual Integrations
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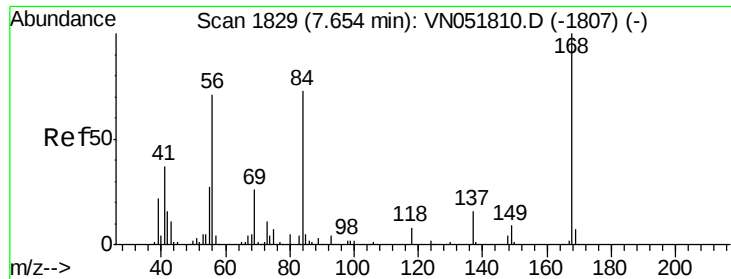
MMDadoda
10/17/2018 1:12:01 PM



#30
Chloroform
Concen: 19.58 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.4





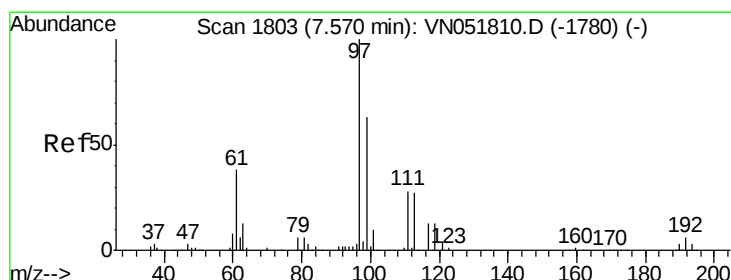
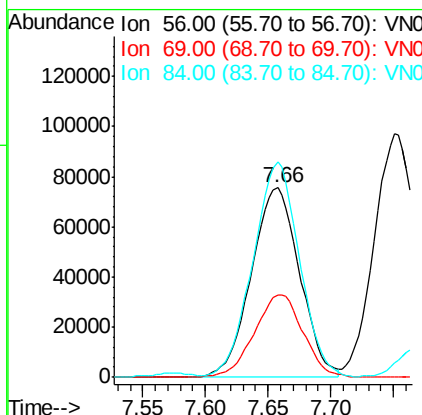
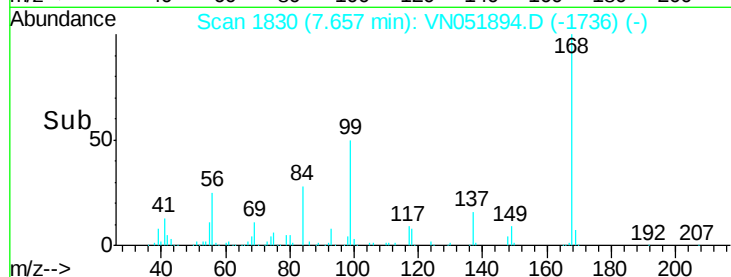
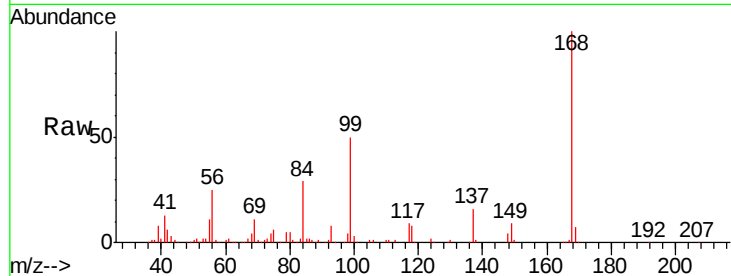
#31
Cyclohexane
Concen: 18.81 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion: 56 Resp: 202574
Ion Ratio Lower Upper
56 100
69 43.5 26.2 39.4#
84 111.6 68.3 102.5#

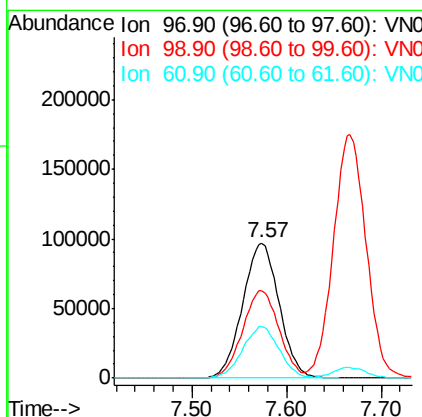
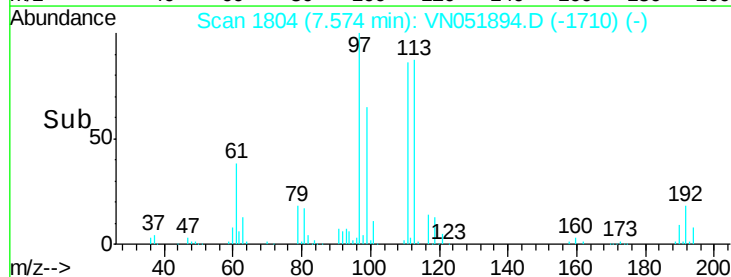
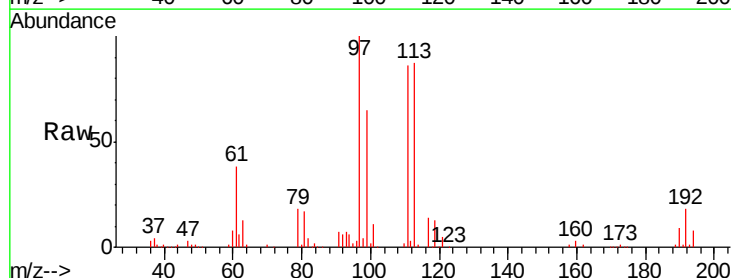
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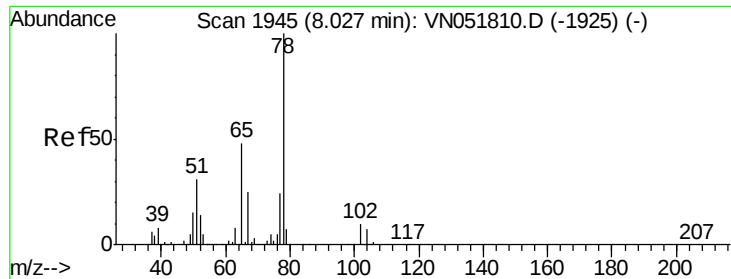
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.36 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 97 Resp: 259508
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.6
61 38.4 34.9 52.3





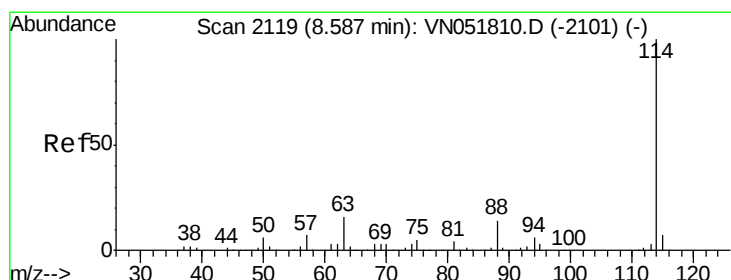
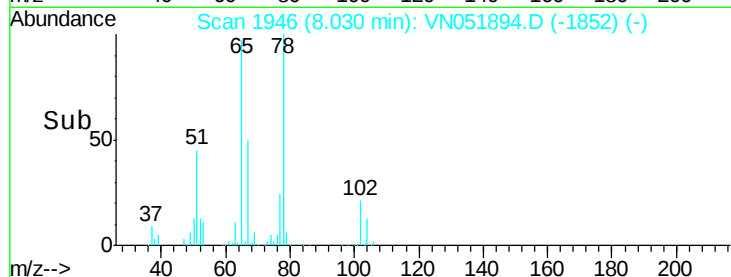
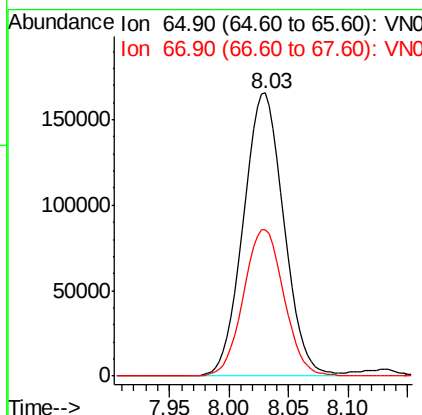
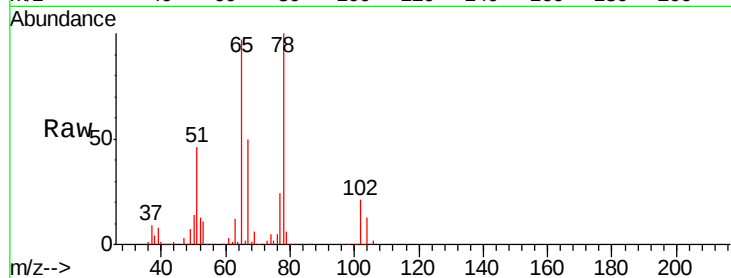
#33
 1,2-Dichloroethane-d4
 Concen: 19.36 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion: 65 Resp: 390718
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 110.4

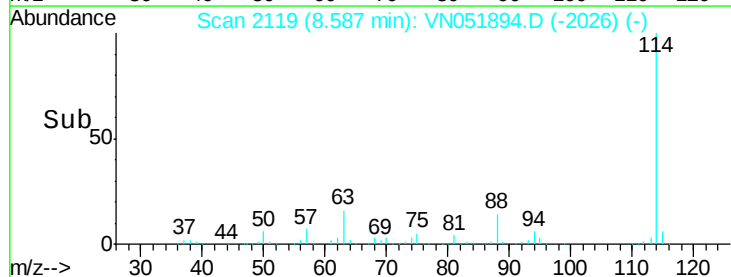
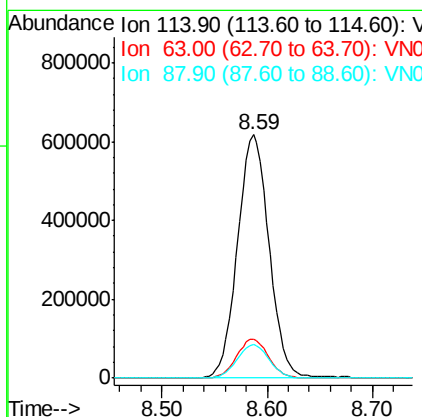
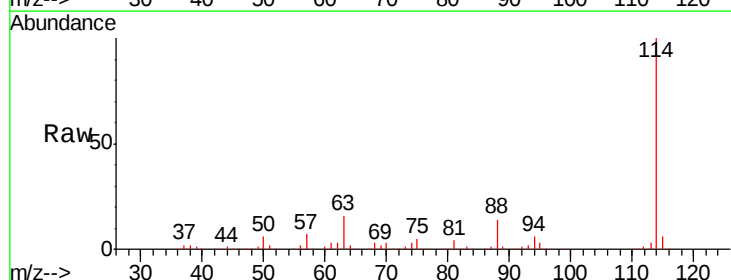
Manual Integrations
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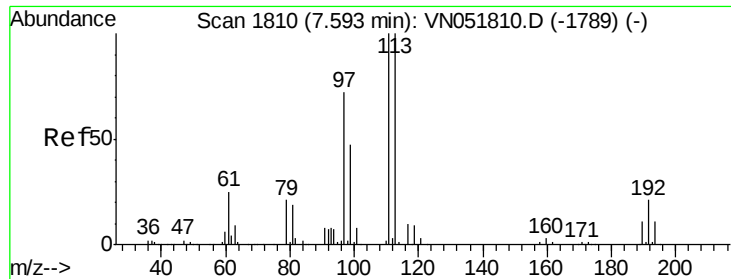
MMDadoda
 10/17/2018 1:12:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 114 Resp: 1284585
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 38.6
 88 13.7 0.0 30.6





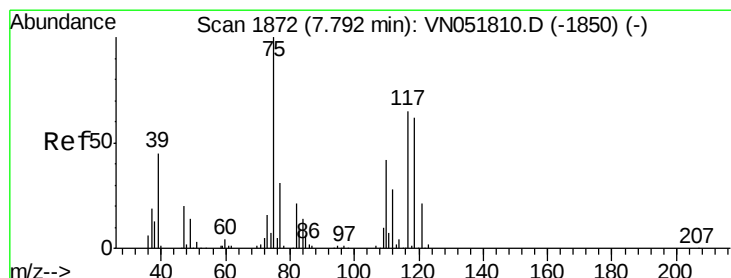
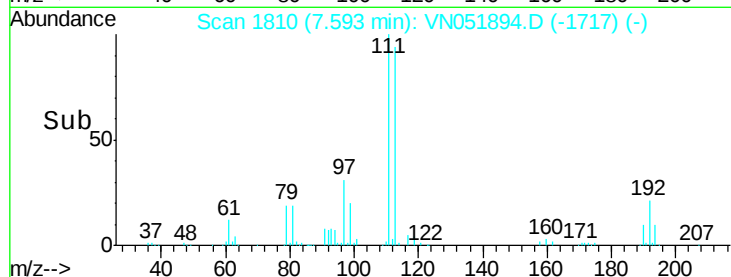
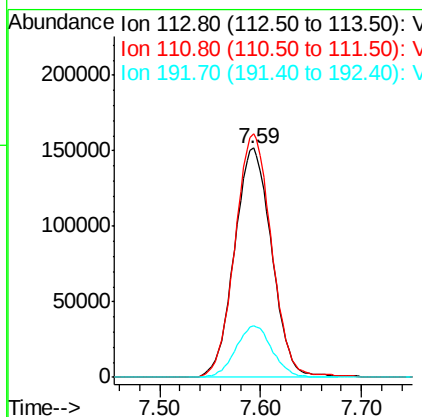
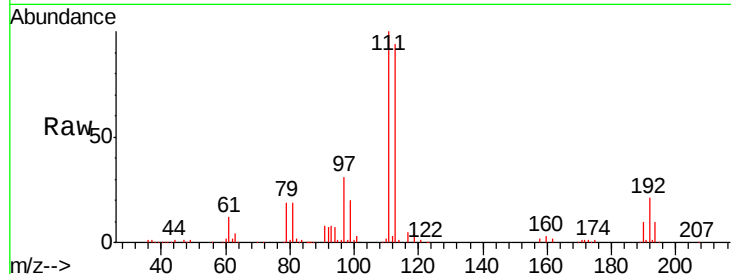
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	388671		
111	103.8	82.6	123.8	
192	22.0	18.0	27.0	

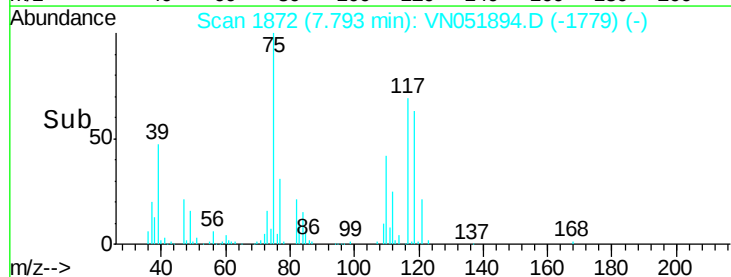
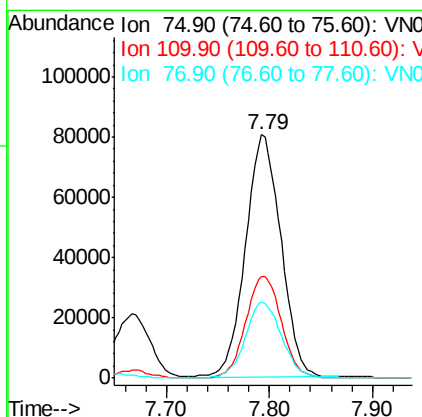
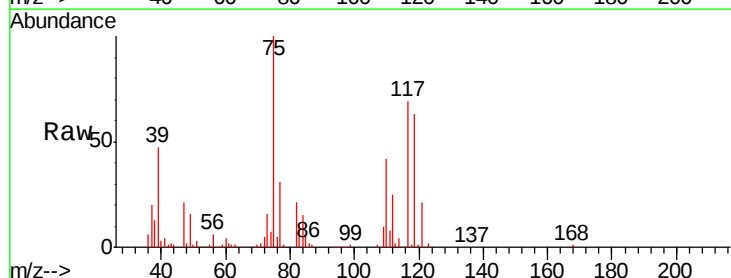
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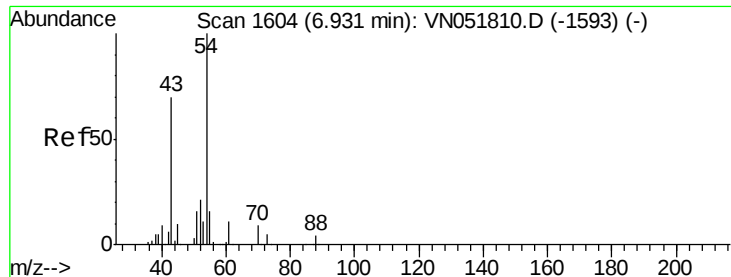
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#36
 1,1-Dichloropropene
 Concen: 18.43 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	191657		
110	42.3	18.1	54.4	
77	32.3	24.8	37.2	





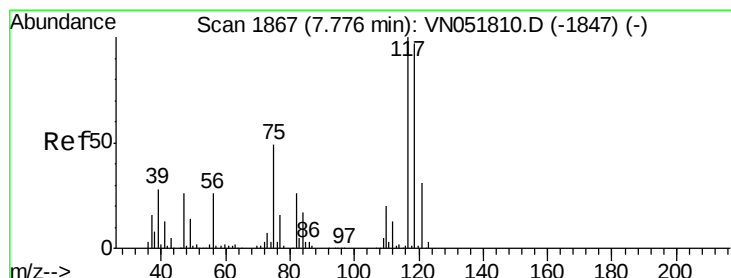
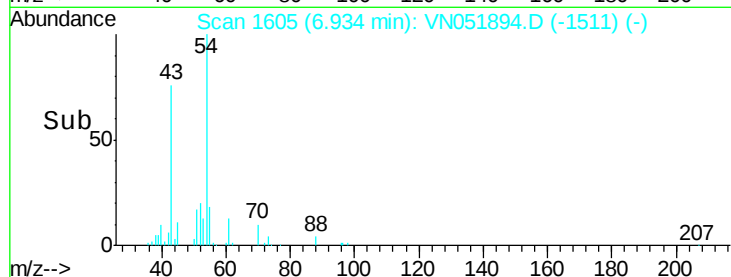
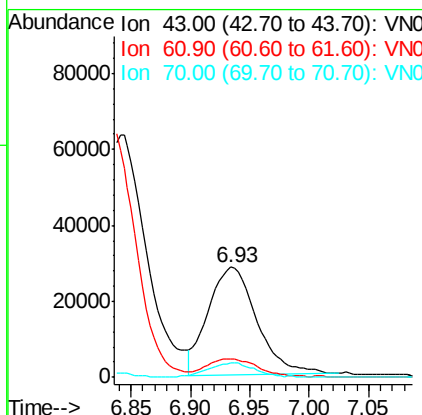
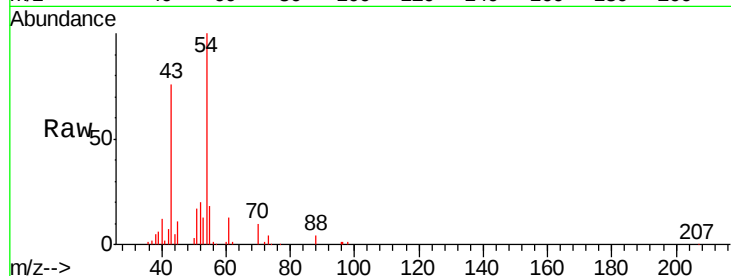
#37
Ethyl Acetate
Concen: 15.01 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.3	12.0	18.0
70	13.0	8.6	13.0

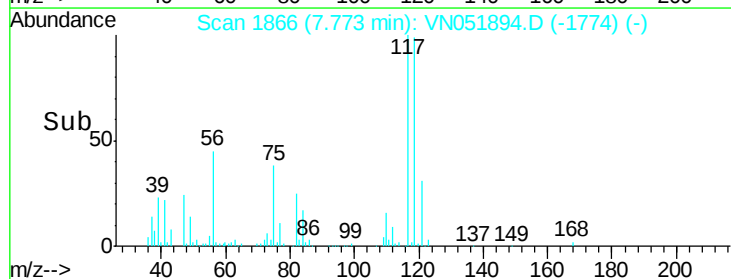
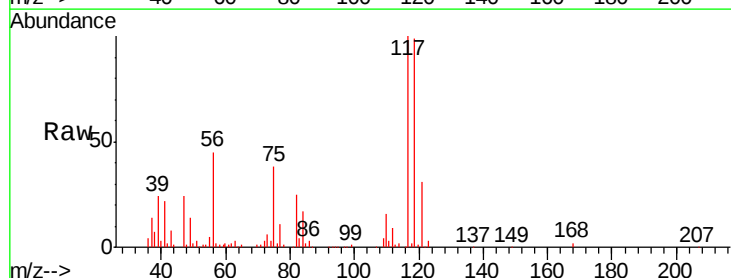
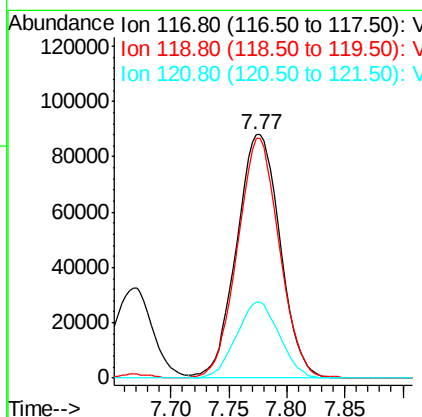
Manual Integrations
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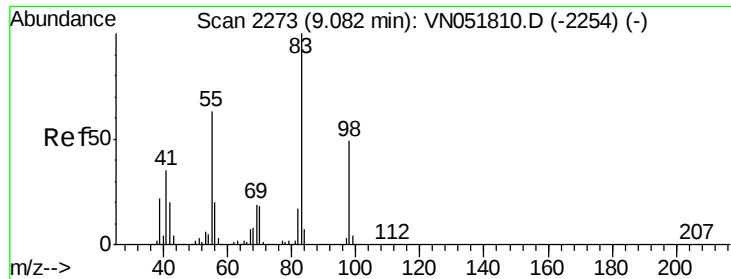
MMDadoda
10/17/2018 1:12:01 PM



#38
Carbon Tetrachloride
Concen: 18.96 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.3	114.5
121	31.4	24.6	36.8





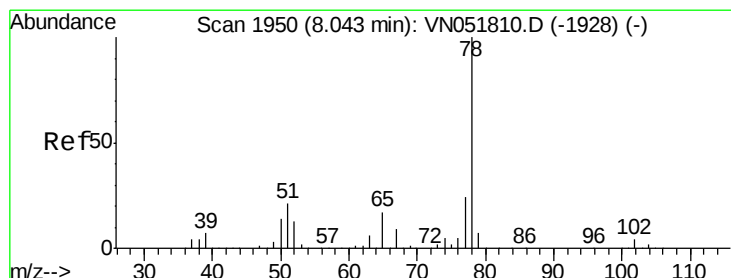
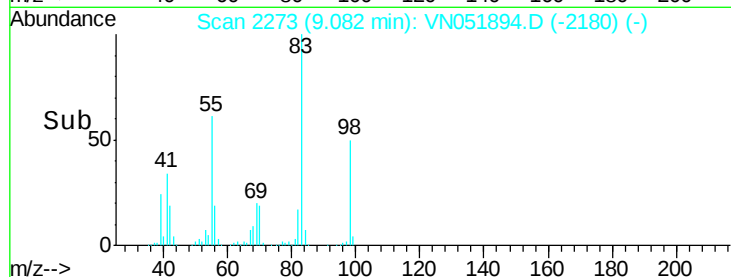
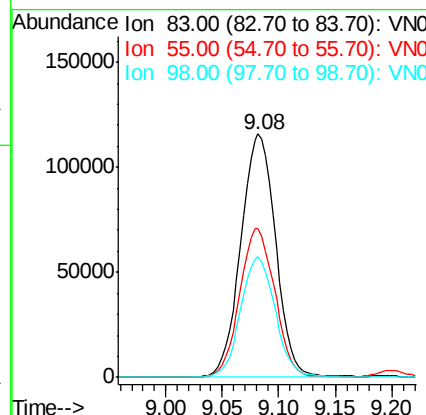
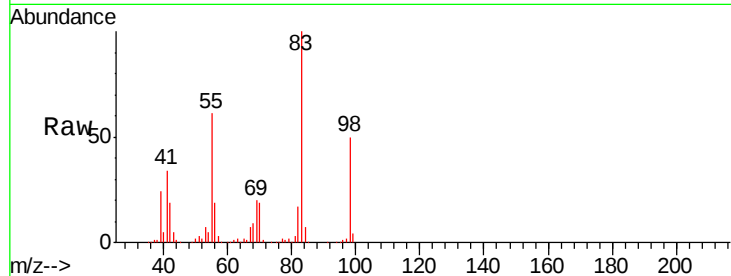
#39
Methylcyclohexane
Concen: 19.47 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	61.3	61.0	91.4
98	49.5	37.5	56.3

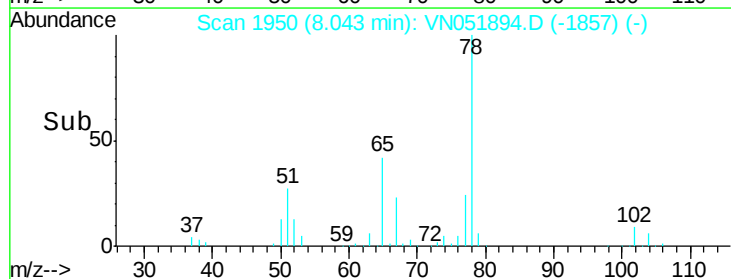
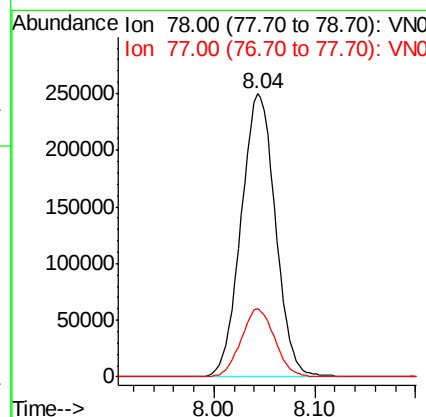
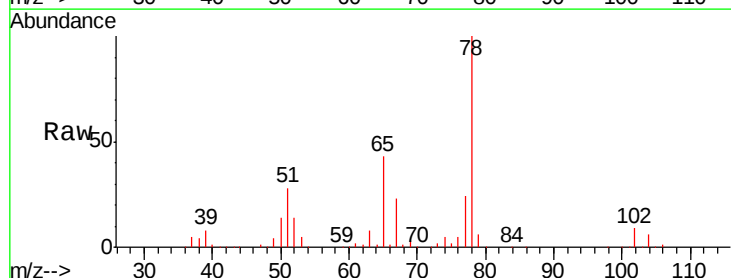
Manual Integrations
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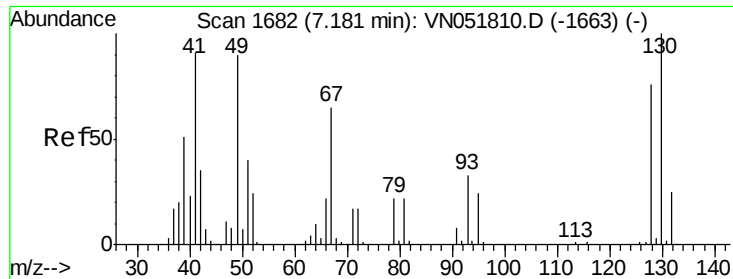
MMDadoda
10/17/2018 1:12:01 PM



#40
Benzene
Concen: 19.61 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





#41

Methacrylonitrile

Concen: 16.99 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 41 Resp: 43741
Ion Ratio Lower Upper

41 100

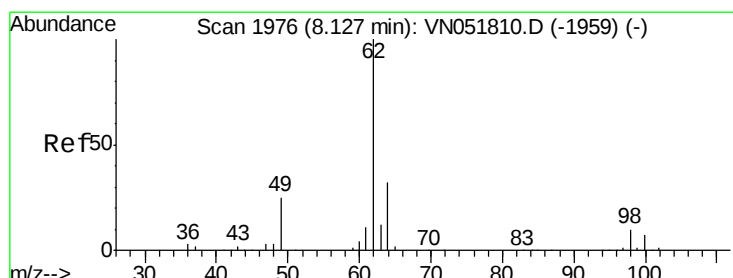
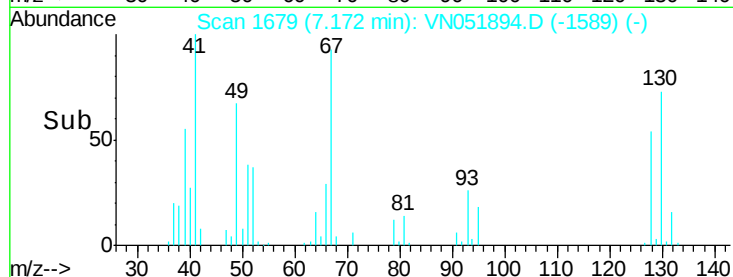
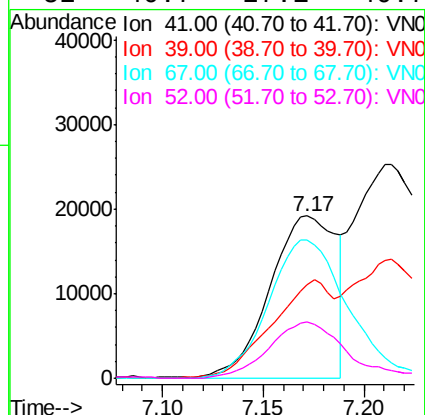
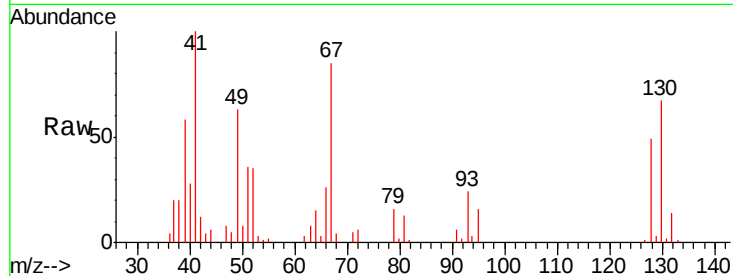
39 54.3 45.4 68.0

67 103.6 70.6 106.0

52 40.7 27.1 40.7#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.00 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

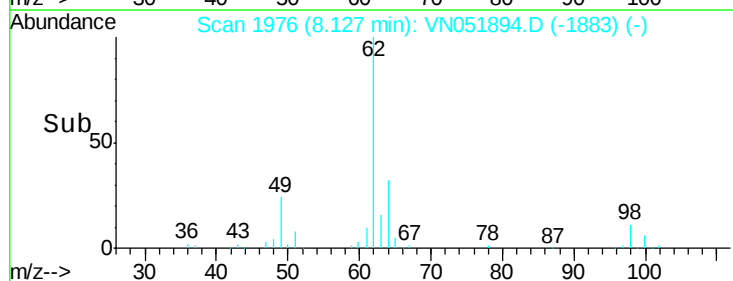
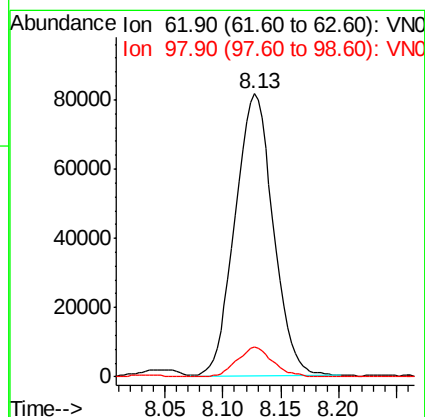
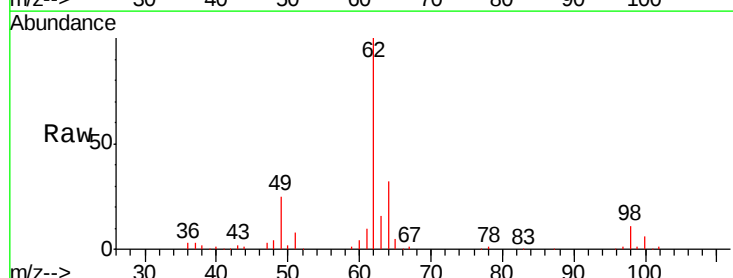
Lab File: VN051894.D

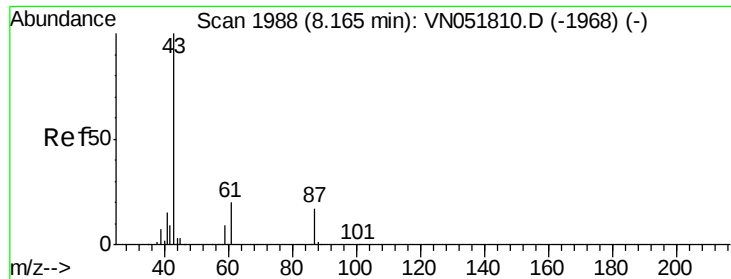
Acq: 16 Oct 2018 14:27

Tgt Ion: 62 Resp: 186841
Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.6





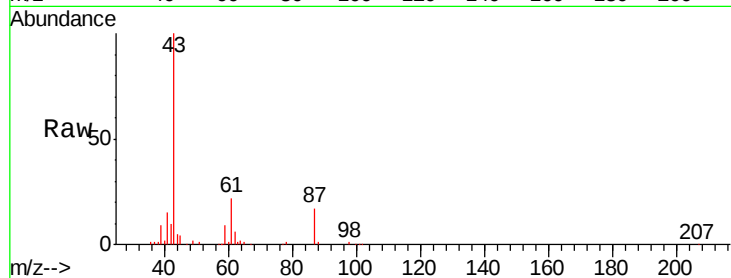
#43
Isopropyl Acetate
Concen: 16.30 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

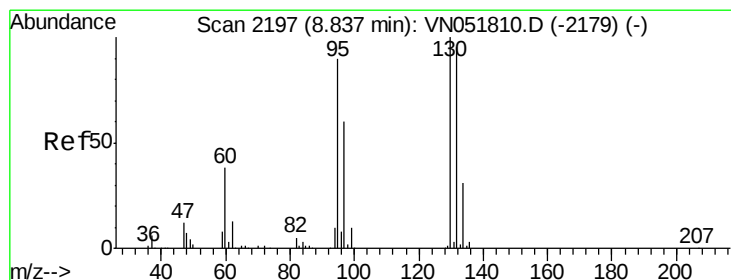
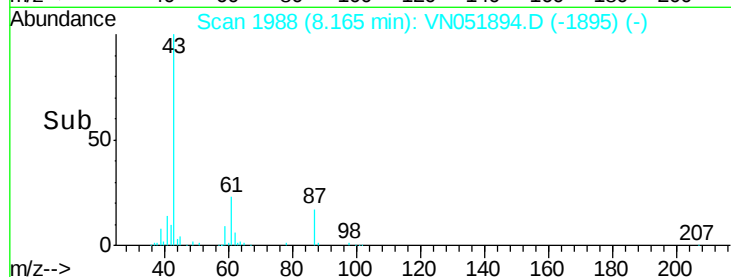
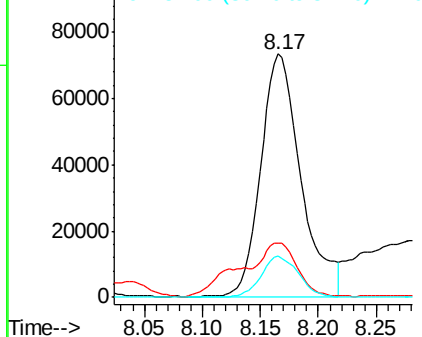
Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.8	17.5	26.3
87	15.7	11.3	16.9

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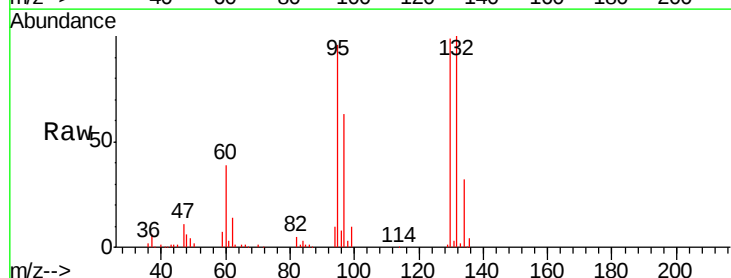


Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-1968) (-)

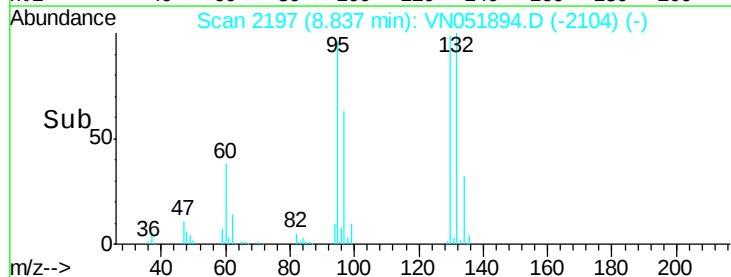
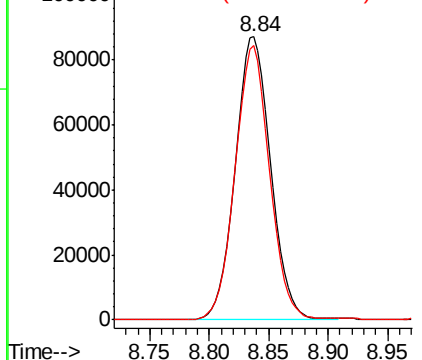


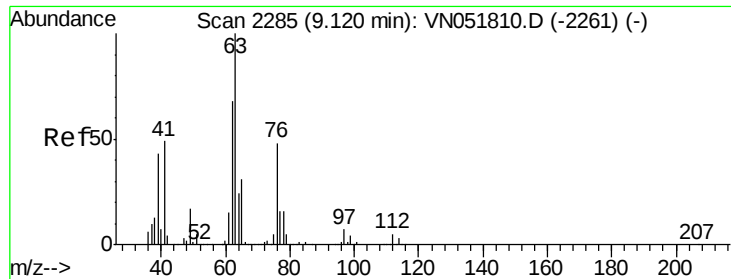
#44
Trichloroethene
Concen: 19.69 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): VN051810.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.38 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 63 Resp: 136724

Ion Ratio Lower Upper

63 100

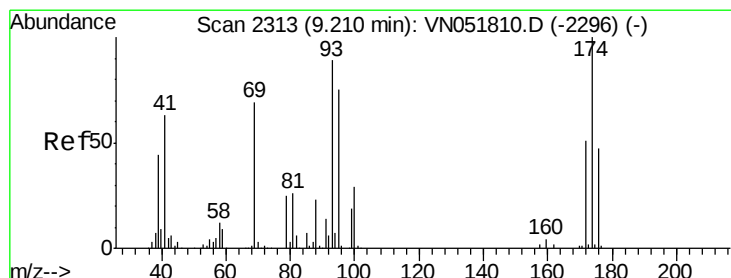
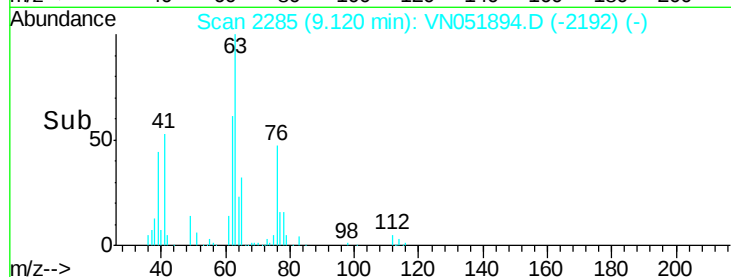
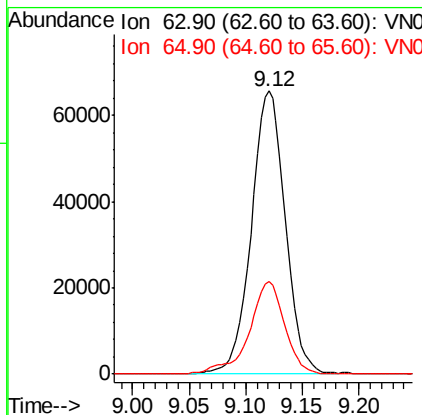
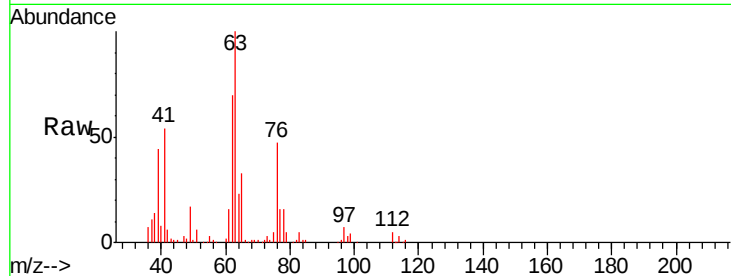
65 32.5 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 18.42 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

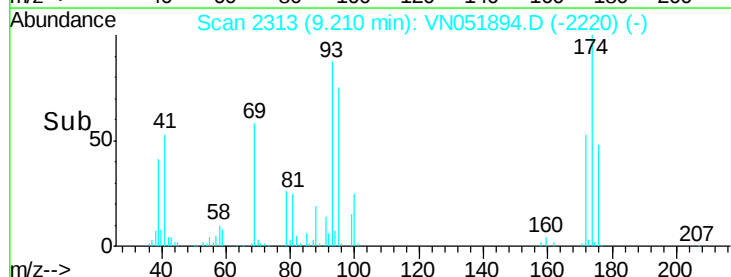
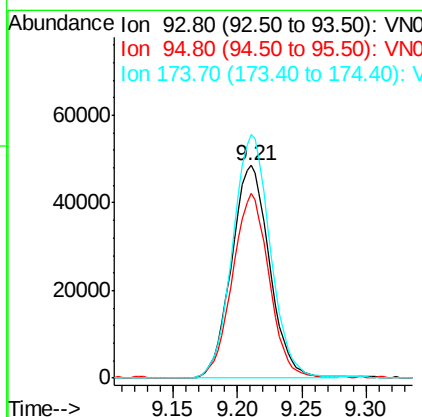
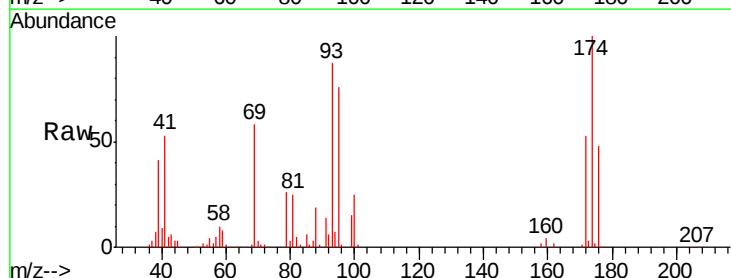
Tgt Ion: 93 Resp: 99704

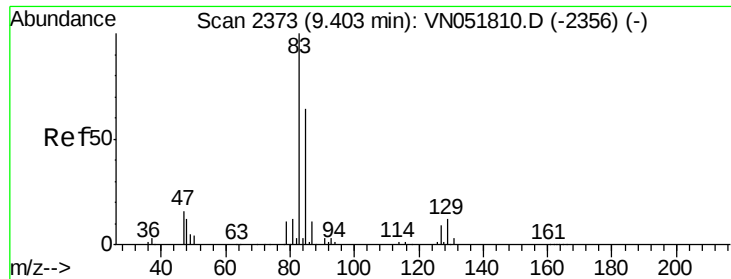
Ion Ratio Lower Upper

93 100

95 84.0 66.7 100.1

174 113.6 89.8 134.6





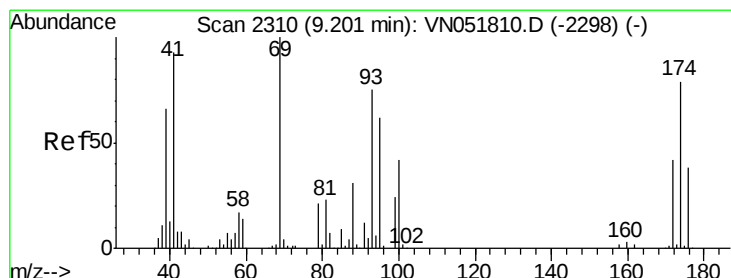
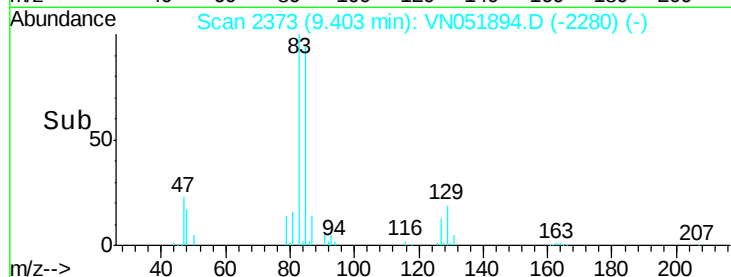
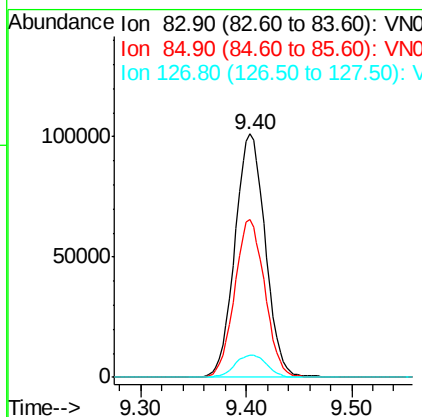
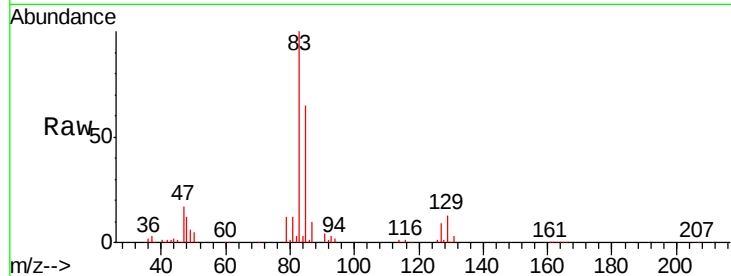
#47
Bromodichloromethane
Concen: 18.68 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	78.8
127	9.0	7.2	10.8

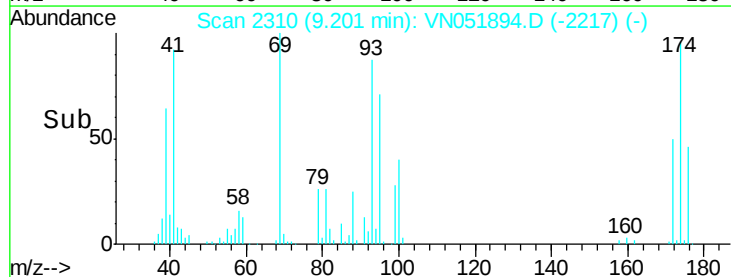
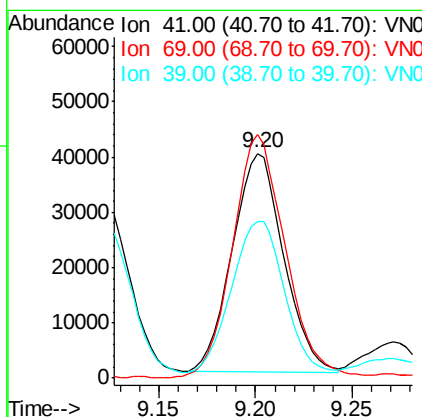
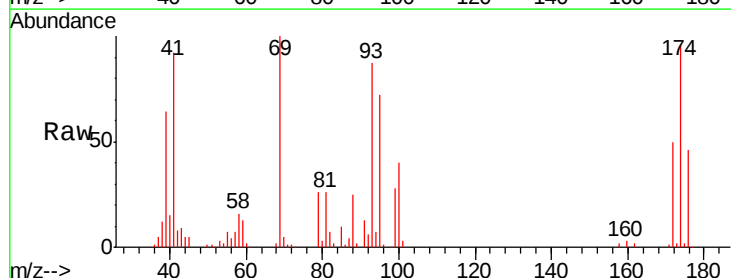
Manual Integrations
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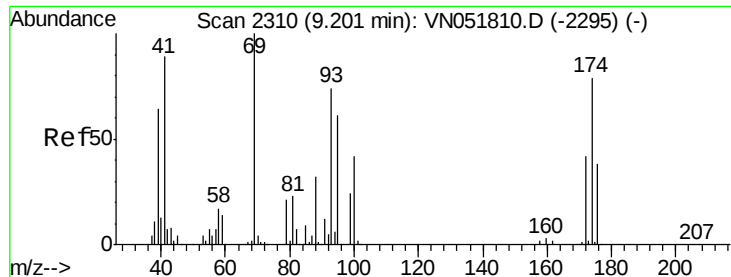
MMDadoda
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#48
Methyl methacrylate
Concen: 15.40 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	114.5	74.7	112.1#
39	75.1	42.2	63.2#





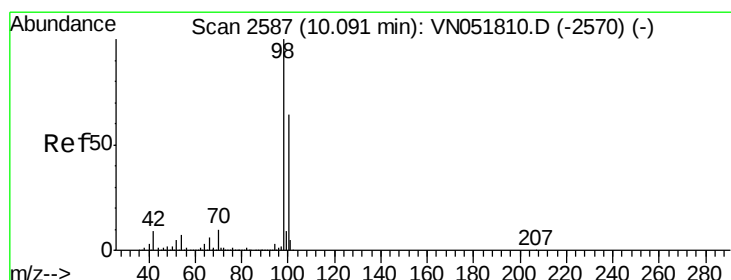
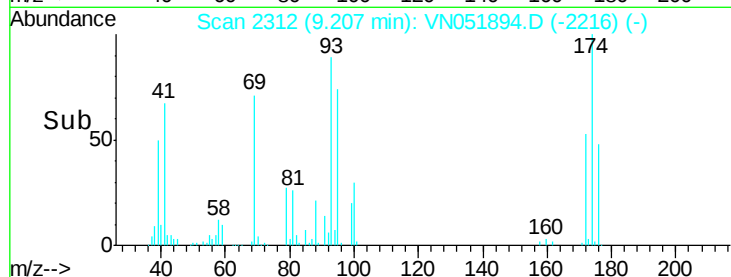
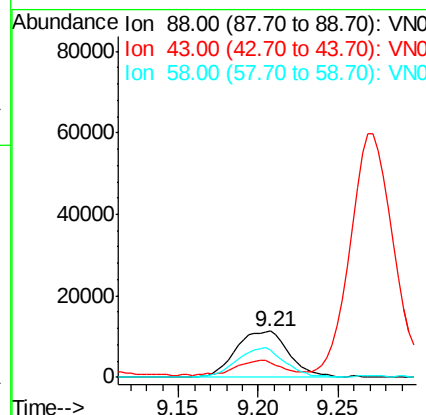
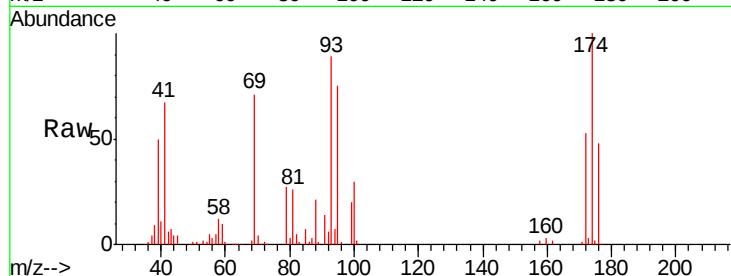
#49
1,4-Dioxane
Concen: 310.40 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.3	25.9	38.9
58	57.7	55.0	82.4

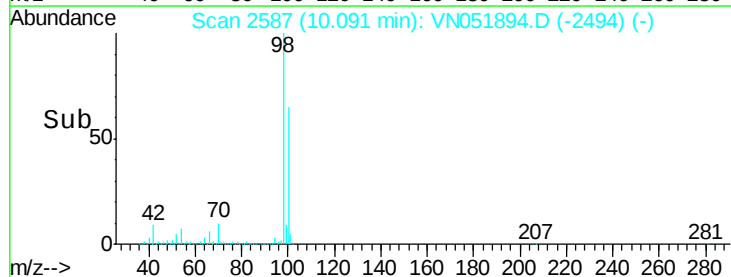
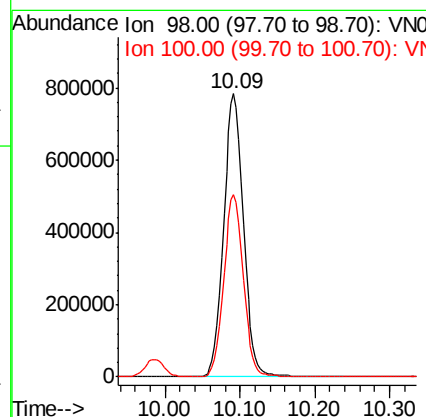
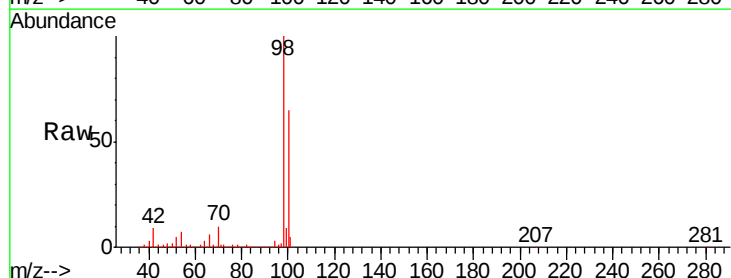
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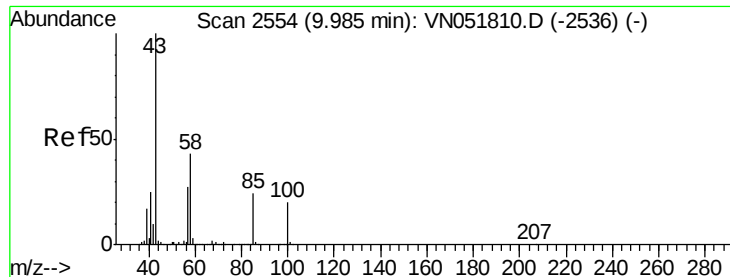
MMDadoda
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#50
Toluene-d8
Concen: 310.40 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.5	77.3





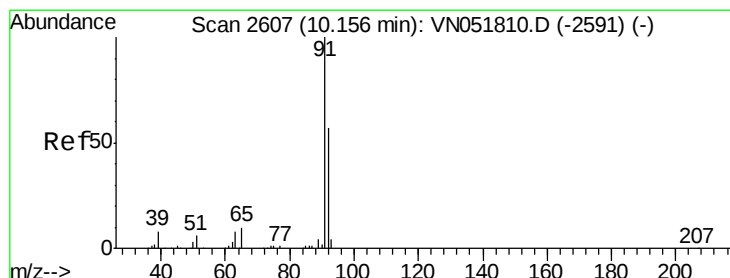
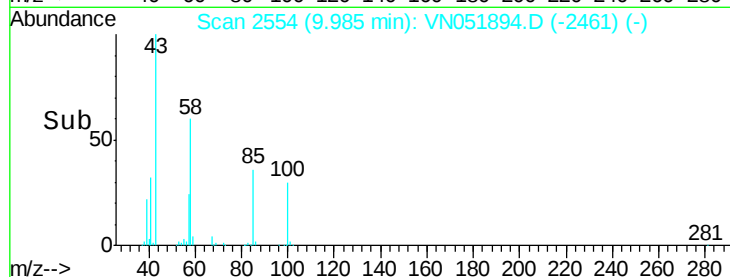
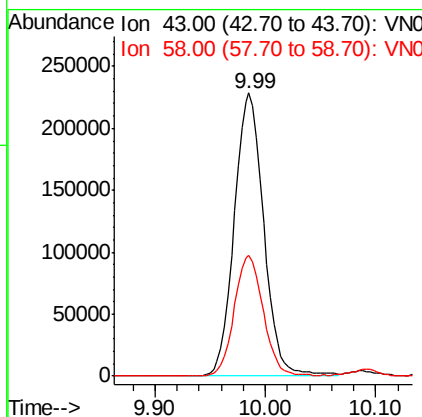
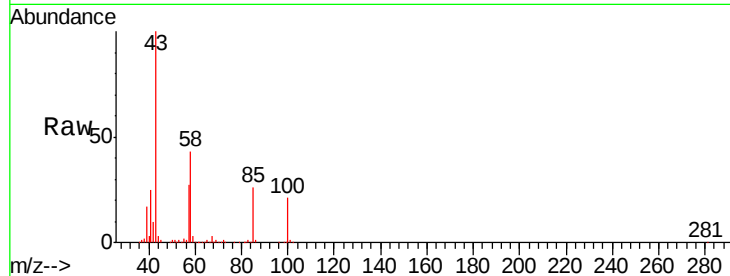
#51
 4-Methyl-2-Pentanone
 Concen: 75.80 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion: 43 Resp: 420129
 Ion Ratio Lower Upper
 43 100
 58 42.3 32.4 48.6

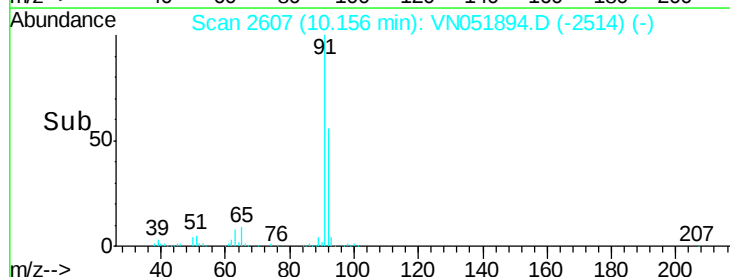
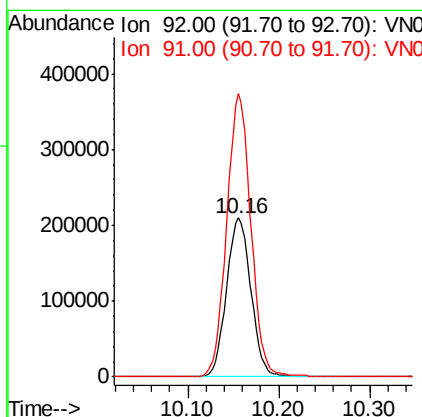
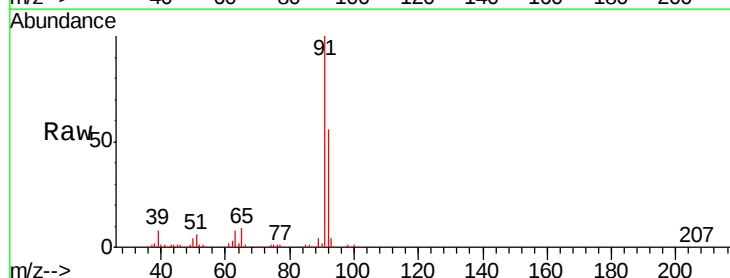
Manual Integrations
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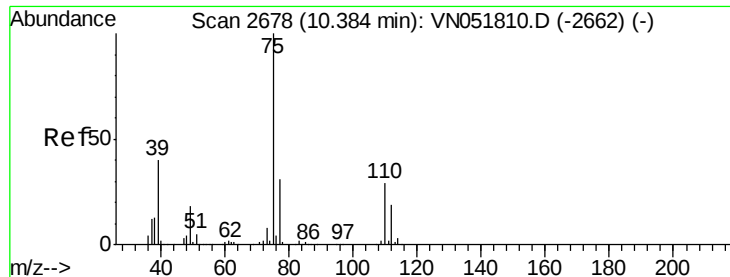
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 10/17/2018 1:12:01 PM



#52
 Toluene
 Concen: 19.51 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 92 Resp: 393037
 Ion Ratio Lower Upper
 92 100
 91 175.9 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 16.74 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 75 Resp: 181390

Ion Ratio Lower Upper

75 100

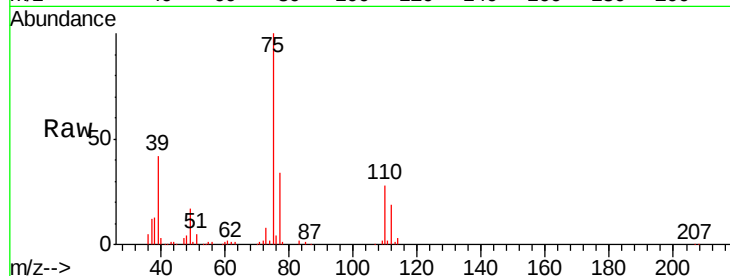
77 33.7 25.7 38.5

Manual Integrations

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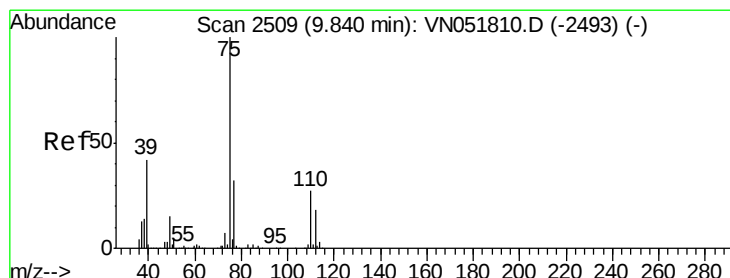
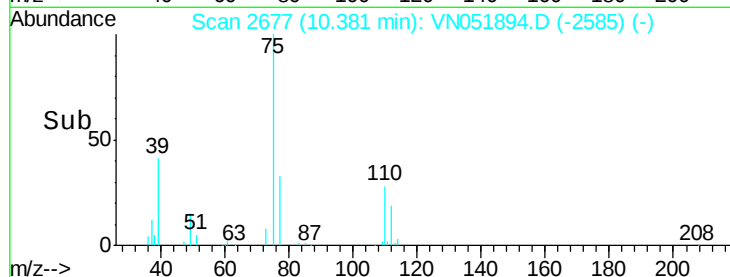
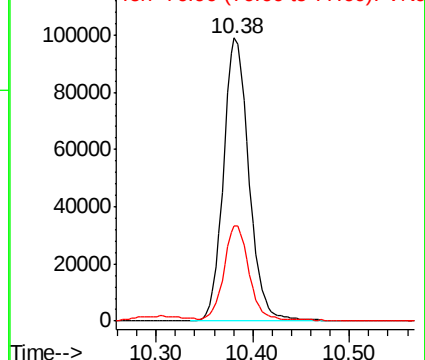
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.15 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

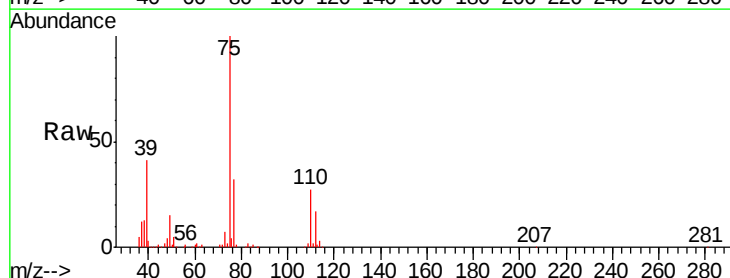
Tgt Ion: 75 Resp: 215874

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2

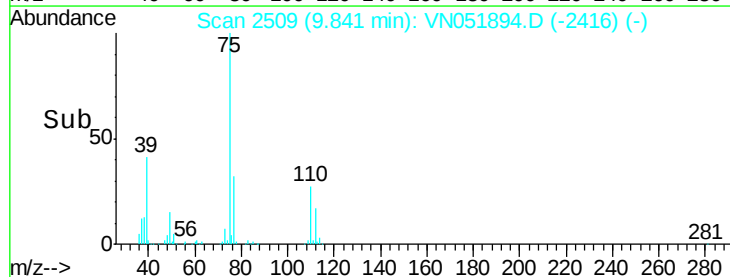
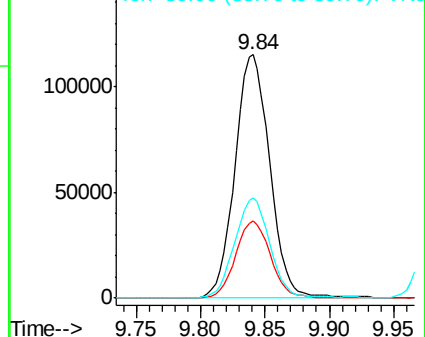
39 41.4 33.0 49.4

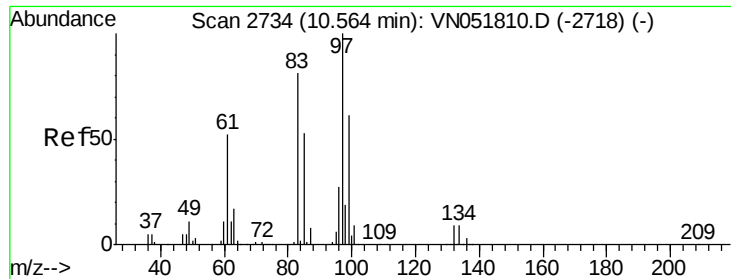


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





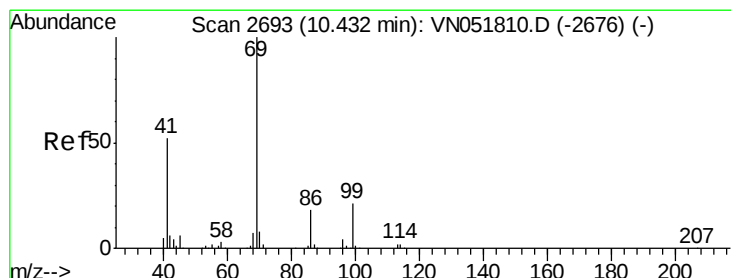
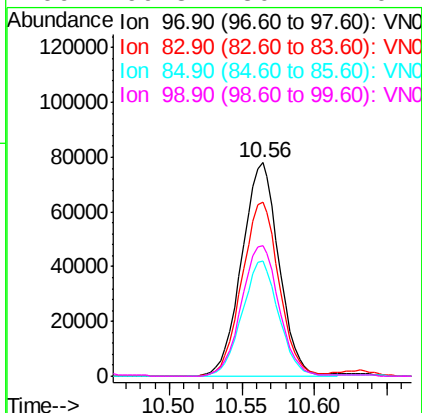
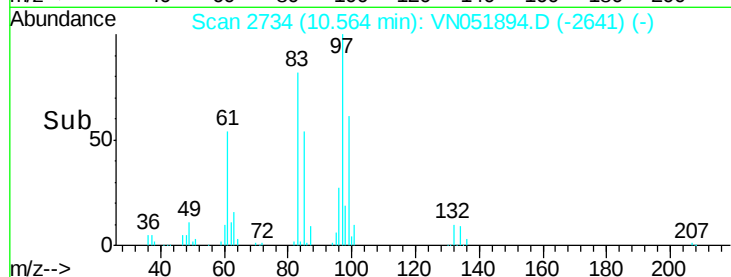
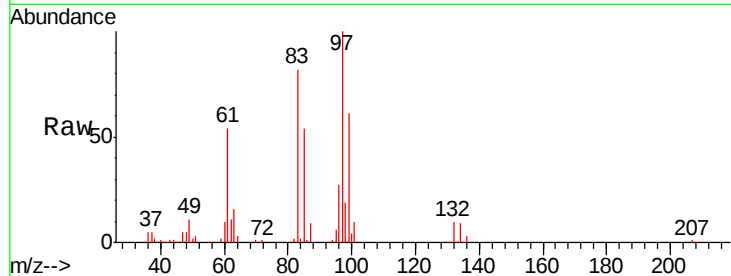
#55
 1,1,2-Trichloroethane
 Concen: 18.40 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.7	69.7	104.5
85	53.7	44.5	66.7
99	60.8	50.7	76.1

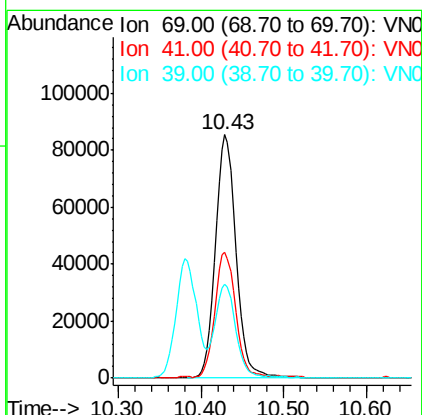
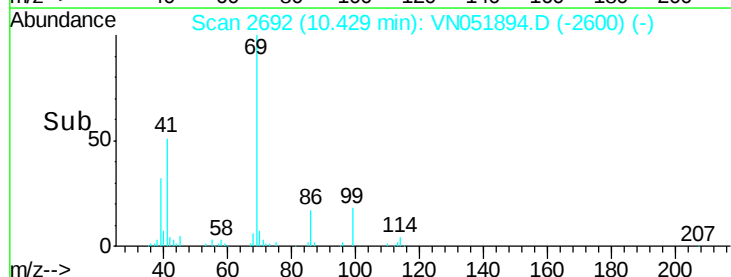
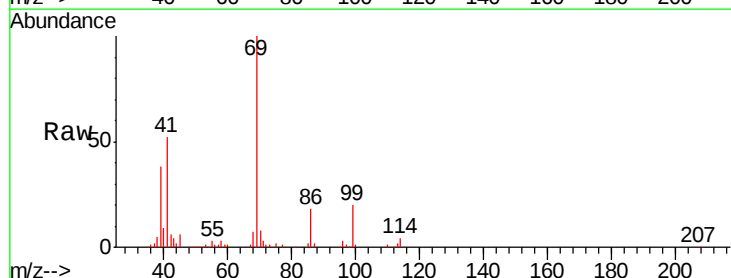
Manual Integrations
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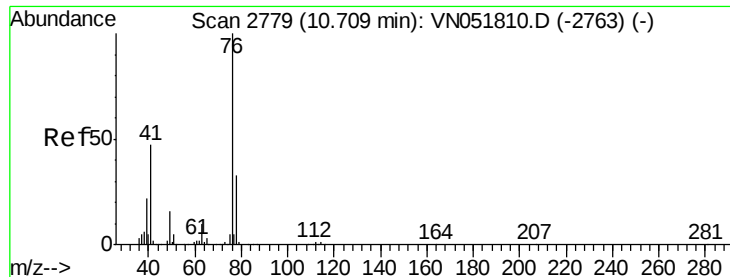
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 10/17/2018 1:12:01 PM



#56
 Ethyl methacrylate
 Concen: 16.47 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	50.9	48.3	72.5
39	38.7	24.0	36.0#





#57

1,3-Dichloropropane

Concen: 18.05 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 76 Resp: 212492

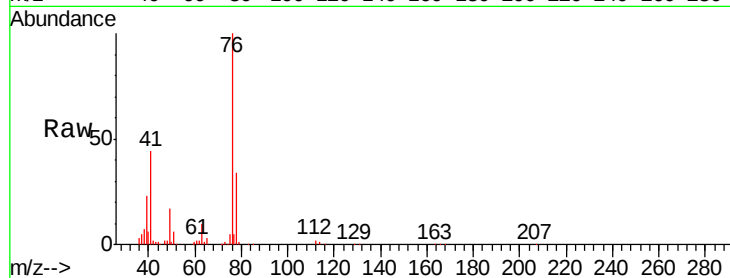
Ion Ratio Lower Upper

76 100

78 33.4 25.5 38.3

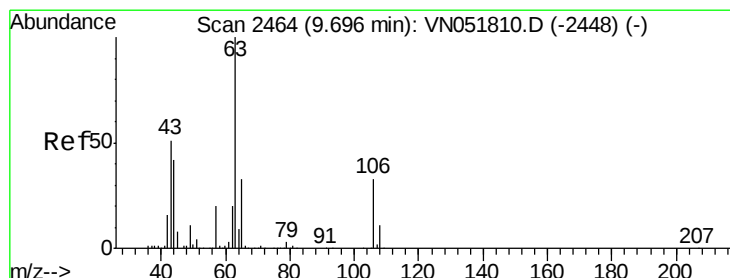
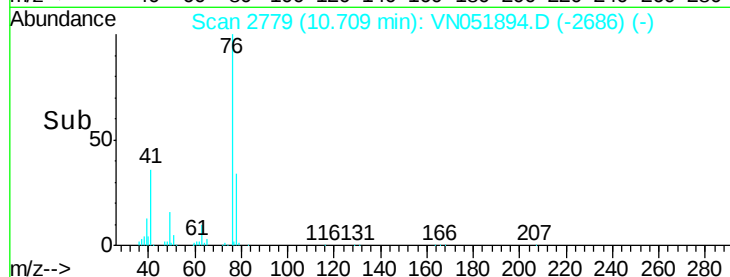
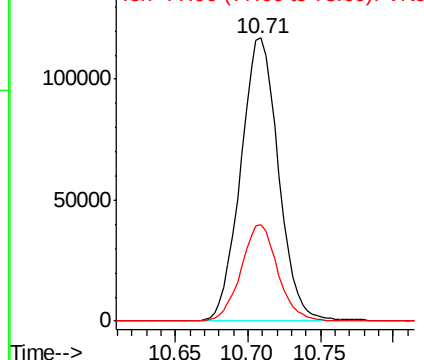
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 80.56 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051894.D

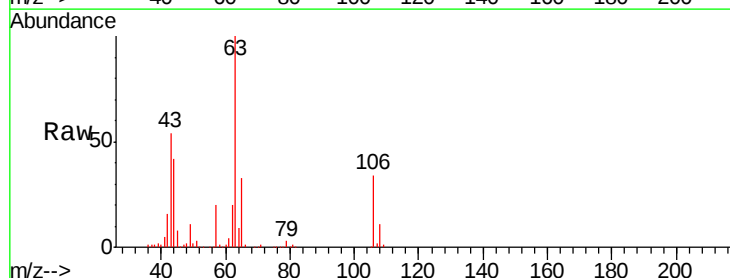
Acq: 16 Oct 2018 14:27

Tgt Ion: 63 Resp: 313058

Ion Ratio Lower Upper

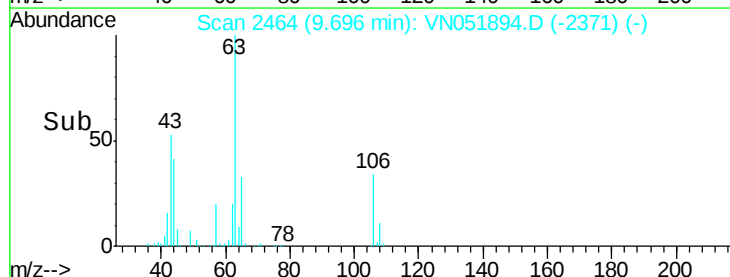
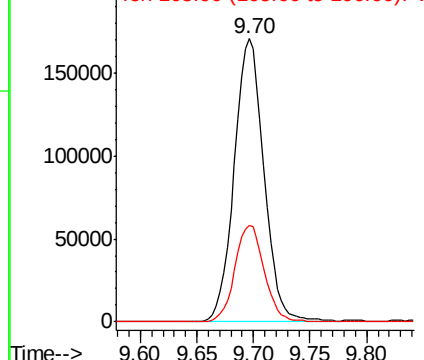
63 100

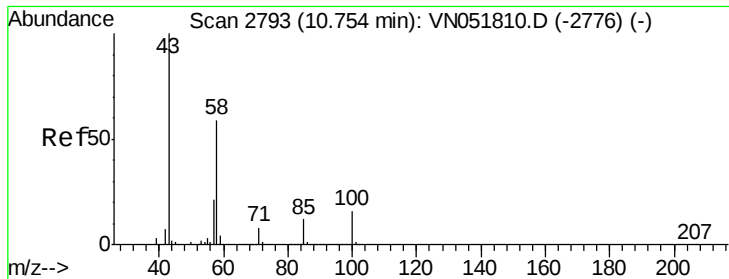
106 33.9 21.9 32.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





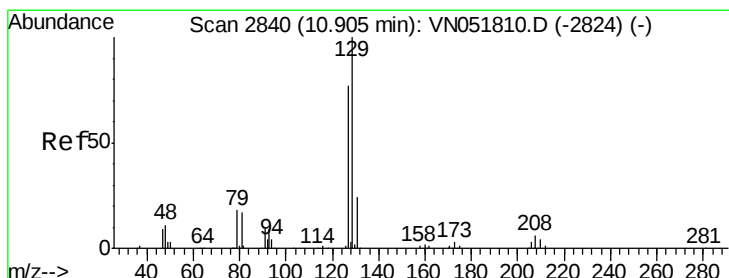
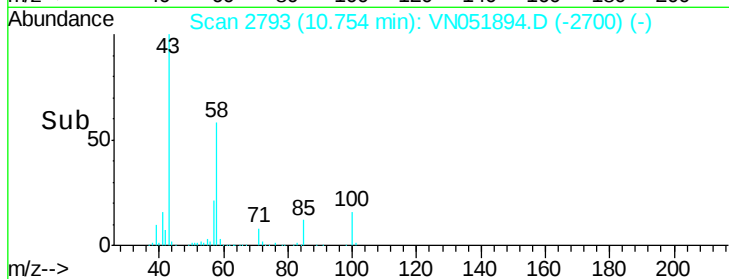
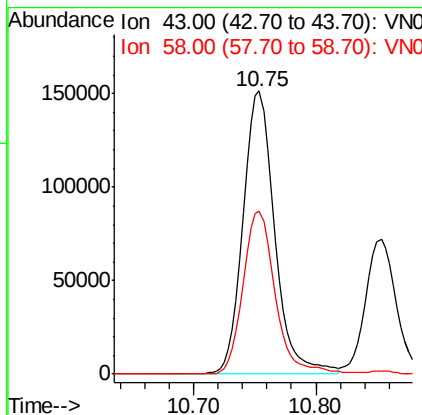
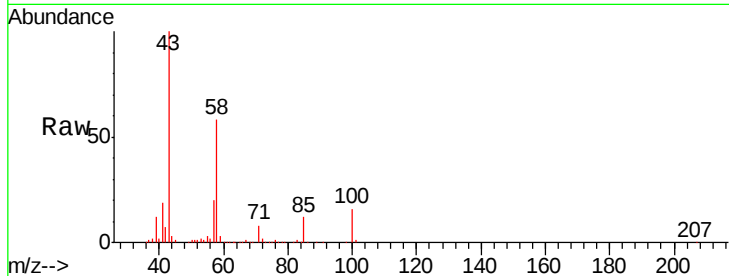
#59
2-Hexanone
Concen: 69.19 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion: 43 Resp: 269342
Ion Ratio Lower Upper
43 100
58 58.7 28.3 85.0

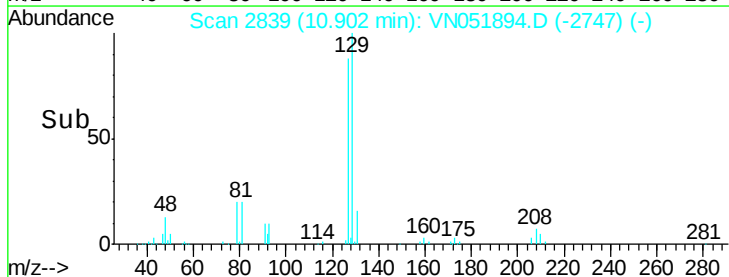
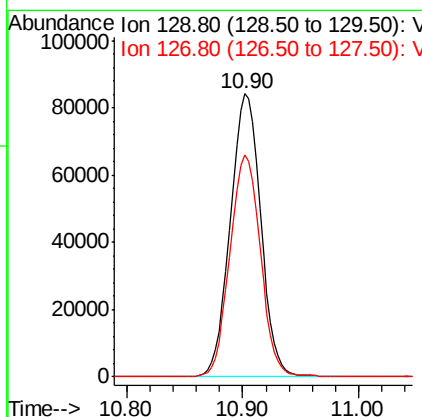
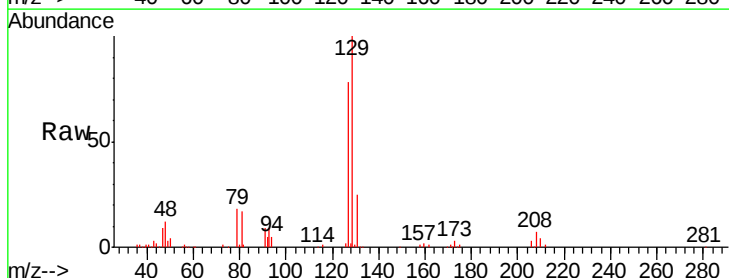
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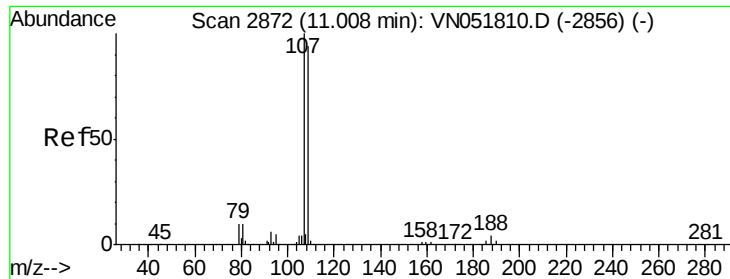
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#60
Dibromochloromethane
Concen: 17.00 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 129 Resp: 152958
Ion Ratio Lower Upper
129 100
127 78.2 38.3 114.9





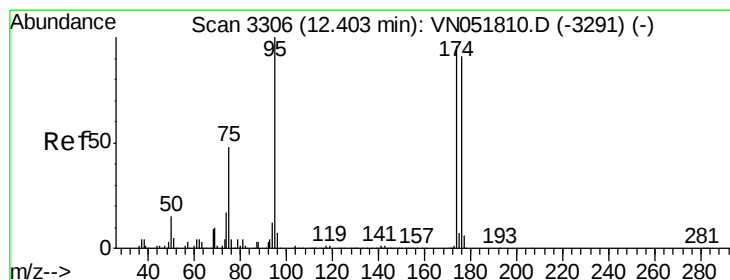
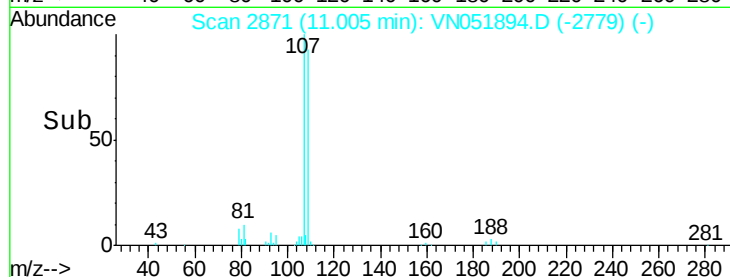
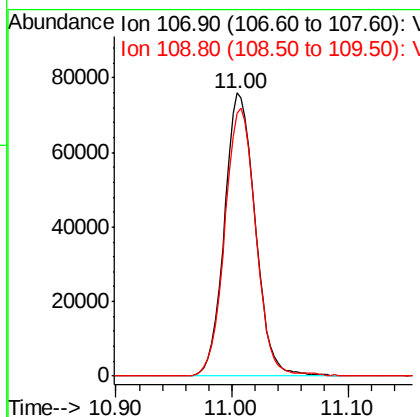
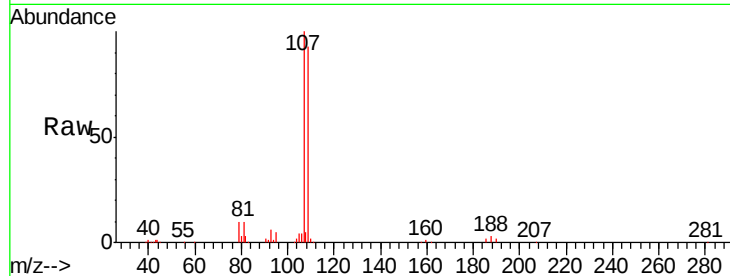
#61
 1,2-Dibromoethane
 Concen: 17.89 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion: 107 Resp: 139657
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.2

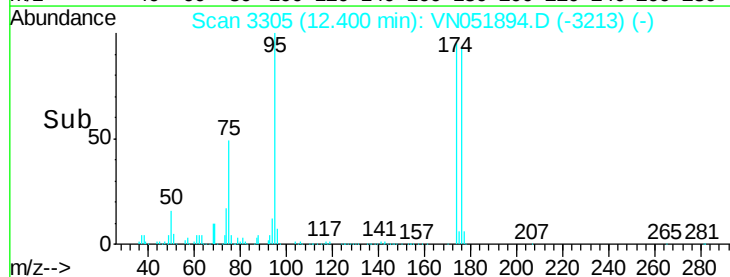
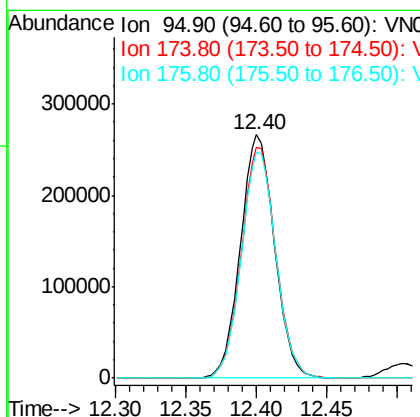
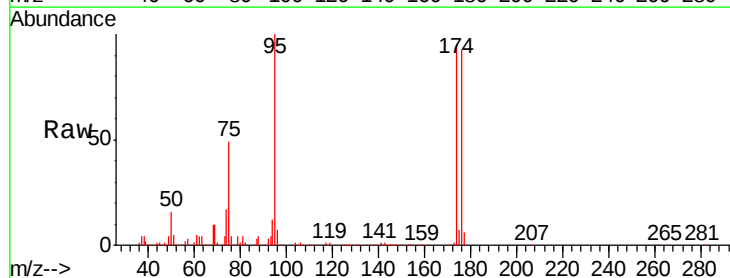
Manual Integrations
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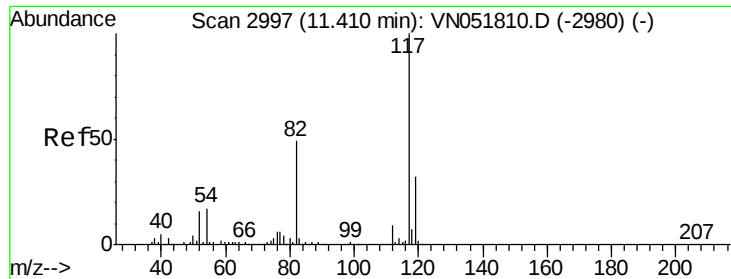
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#62
 4-Bromofluorobenzene
 Concen: 17.89 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 95 Resp: 450522
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 183.0
 176 94.2 0.0 178.8





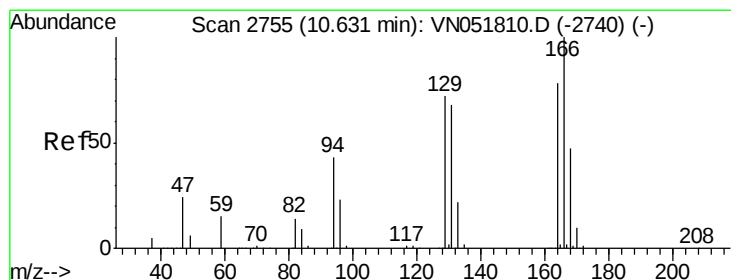
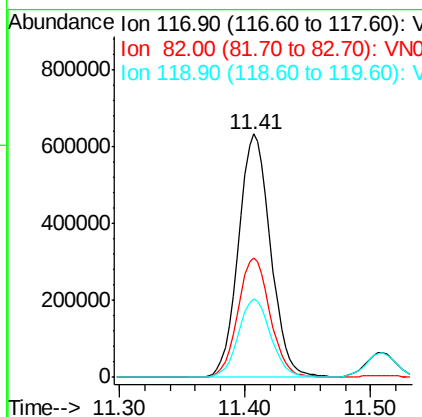
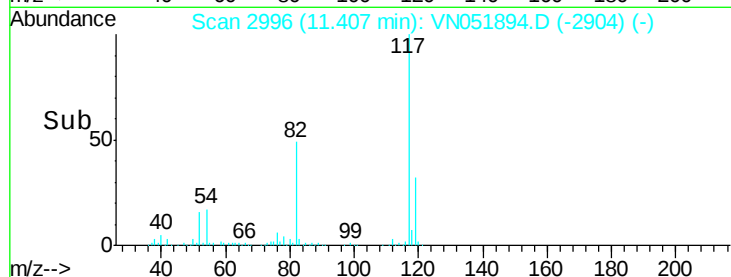
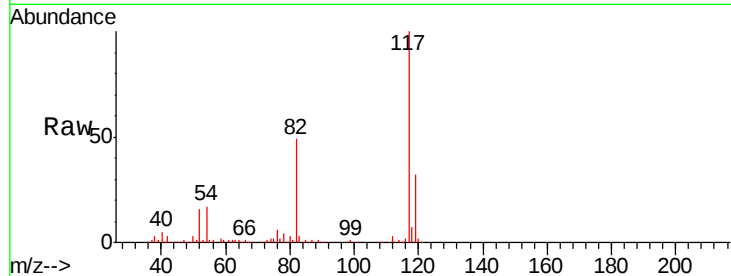
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion:117 Resp: 1127096
Ion Ratio Lower Upper
117 100
82 48.9 42.6 64.0
119 32.2 25.8 38.6

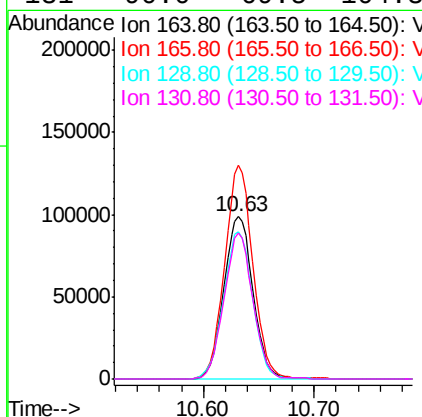
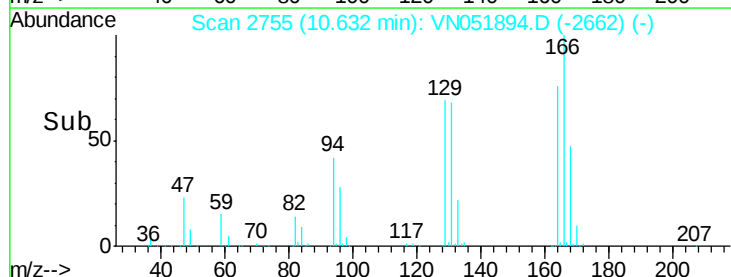
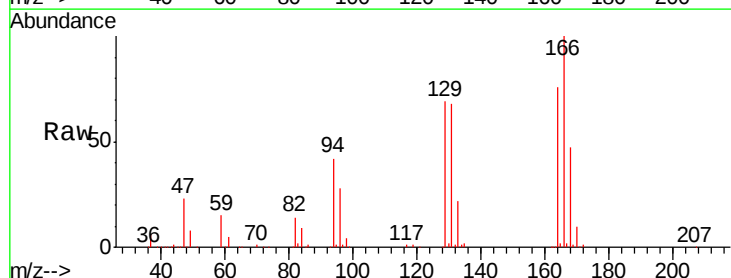
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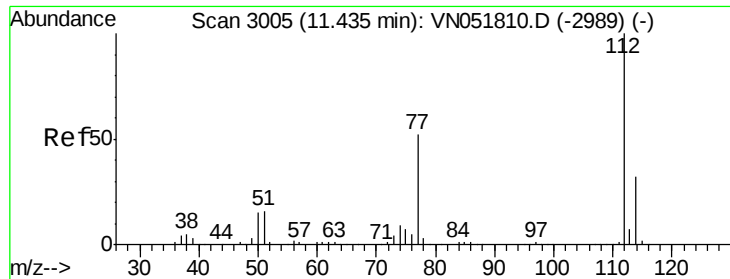
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#64
Tetrachloroethene
Concen: 21.00 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion:164 Resp: 181532
Ion Ratio Lower Upper
164 100
166 131.6 103.5 155.3
129 90.8 72.7 109.1
131 90.0 69.5 104.3





#65

Chlorobenzene

Concen: 19.69 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion:112 Resp: 448910

Ion Ratio Lower Upper

112 100

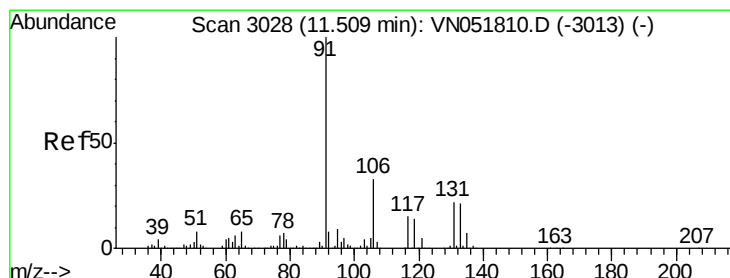
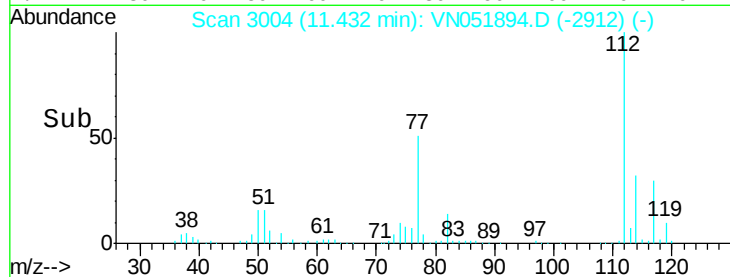
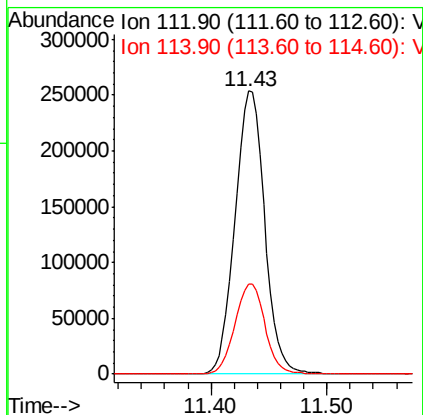
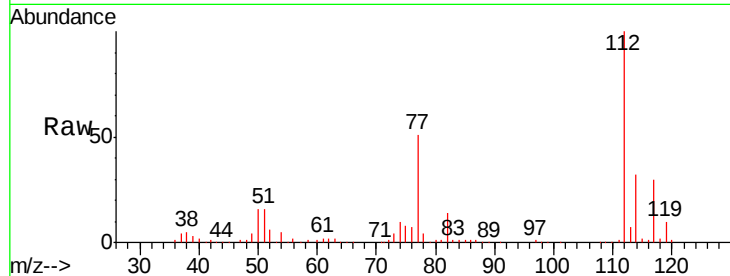
114 31.8 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.23 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

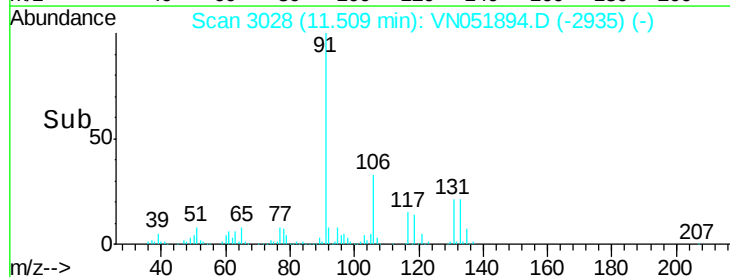
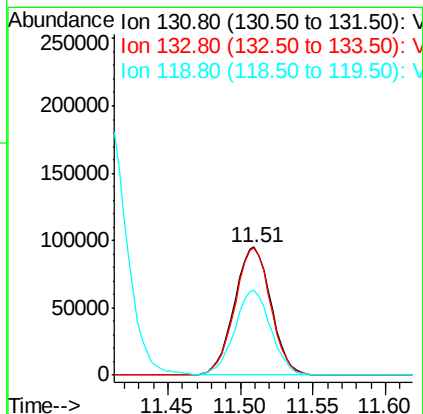
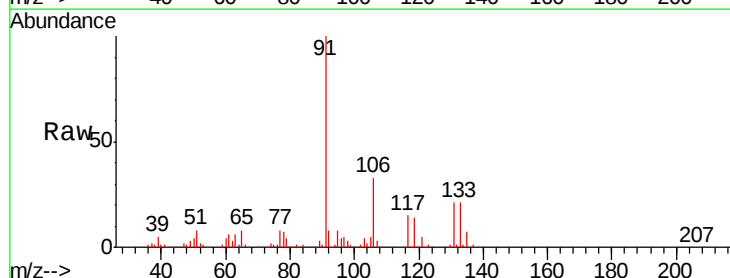
Tgt Ion:131 Resp: 167058

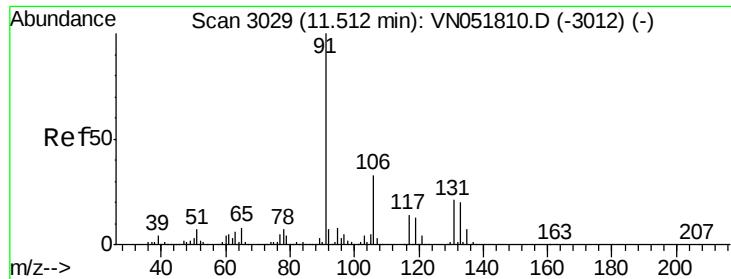
Ion Ratio Lower Upper

131 100

133 97.0 47.4 142.3

119 65.3 32.8 98.4





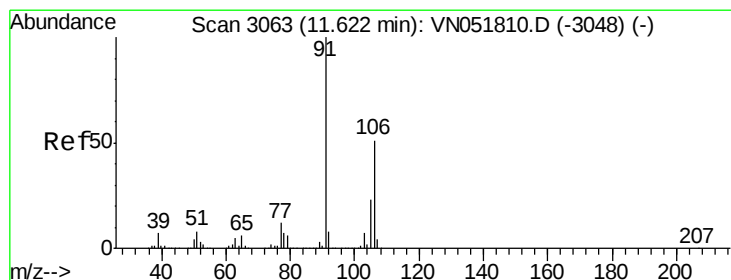
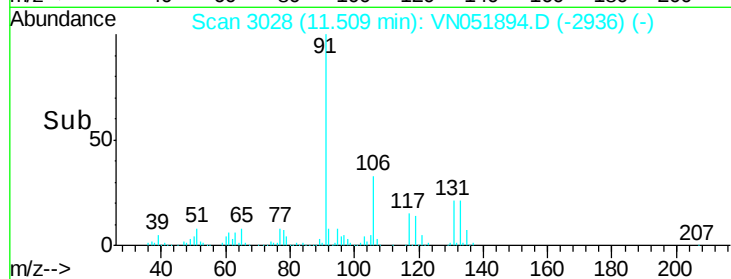
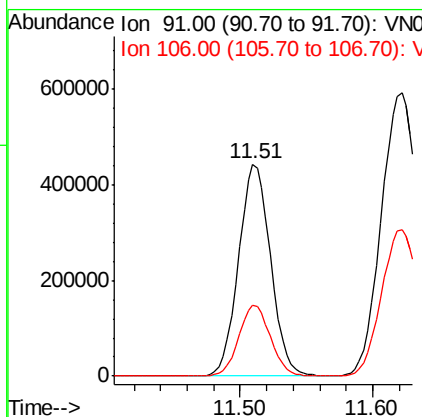
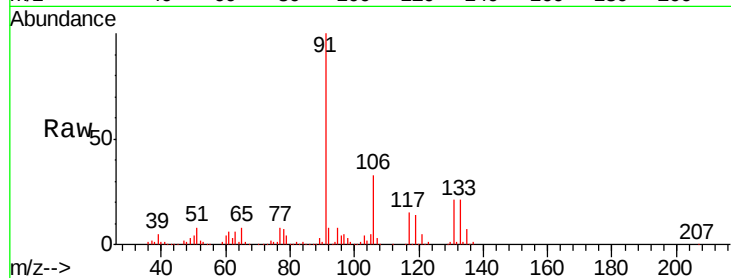
#67
Ethyl Benzene
Concen: 19.68 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion: 91 Resp: 742758
Ion Ratio Lower Upper
91 100
106 33.3 25.0 37.4

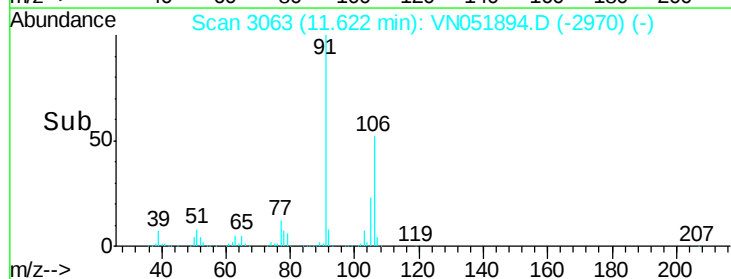
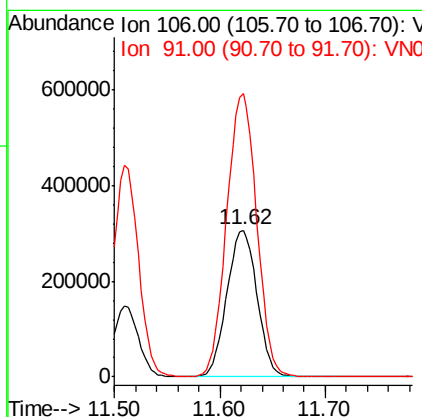
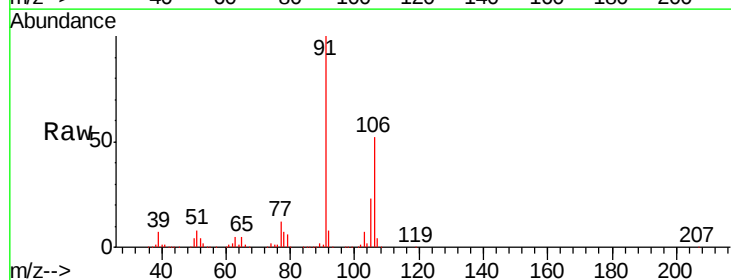
Manual Integrations
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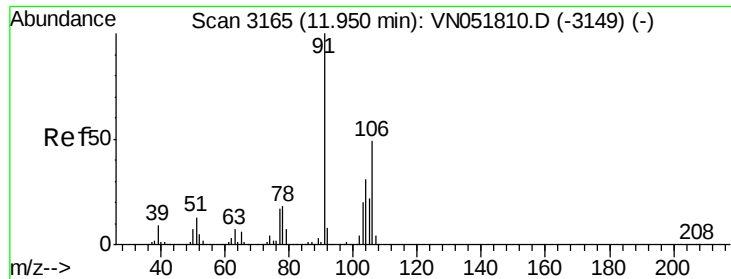
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#68
m/p-Xylenes
Concen: 39.76 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 106 Resp: 606040
Ion Ratio Lower Upper
106 100
91 192.4 161.0 241.6





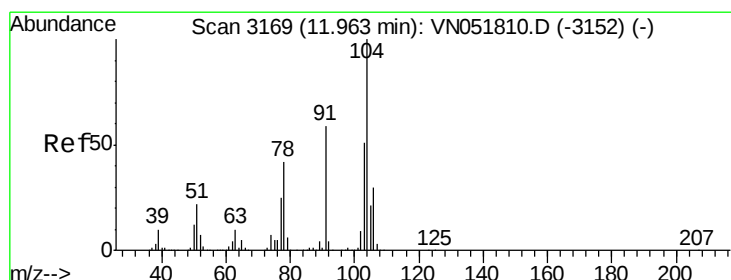
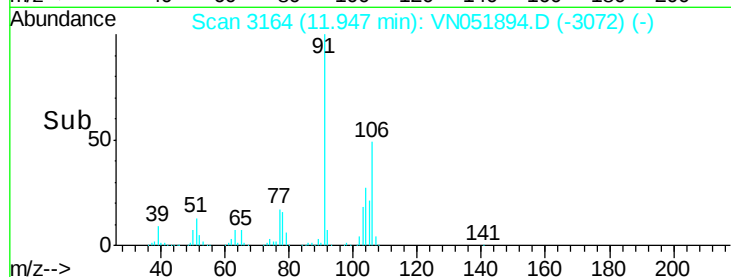
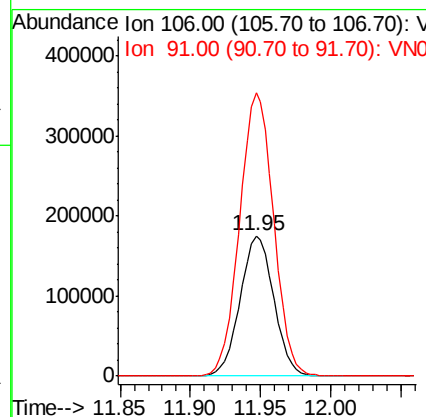
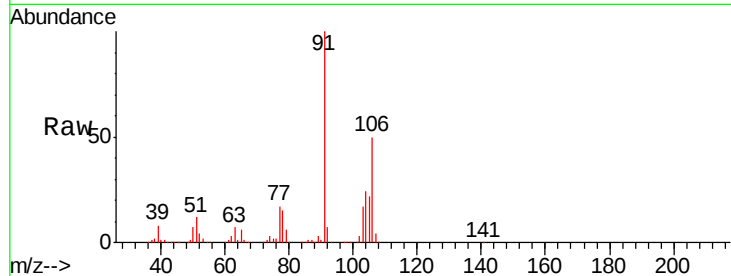
#69
o-Xylene
Concen: 19.85 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion:106 Resp: 293843
Ion Ratio Lower Upper
106 100
91 203.5 106.5 319.5

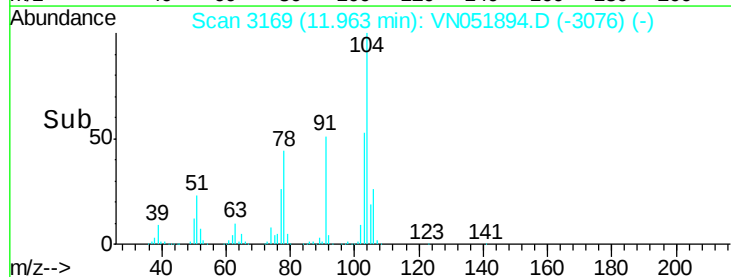
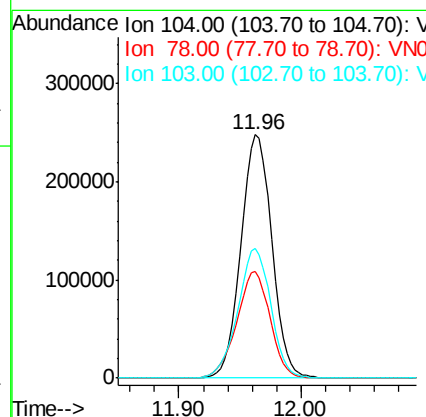
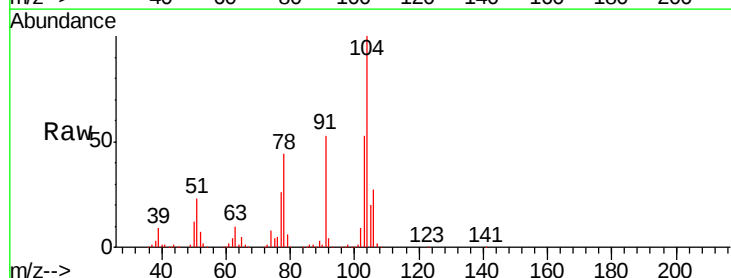
Manual Integrations
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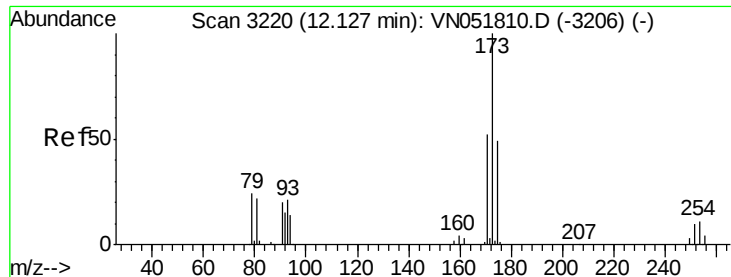
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#70
Styrene
Concen: 19.05 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion:104 Resp: 435010
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.4
103 56.8 44.4 66.6





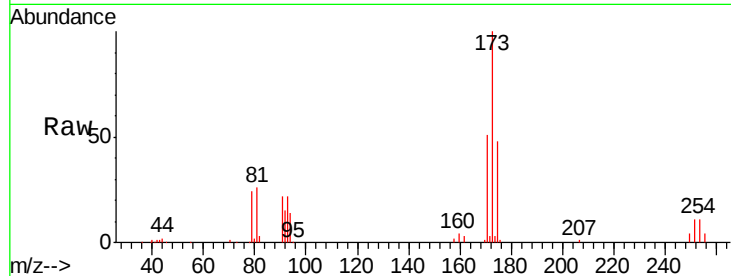
#71
Bromoform
Concen: 15.76 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

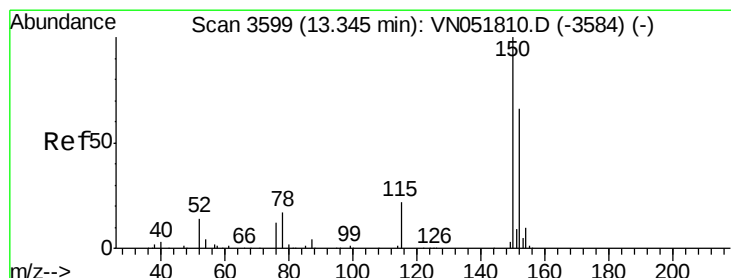
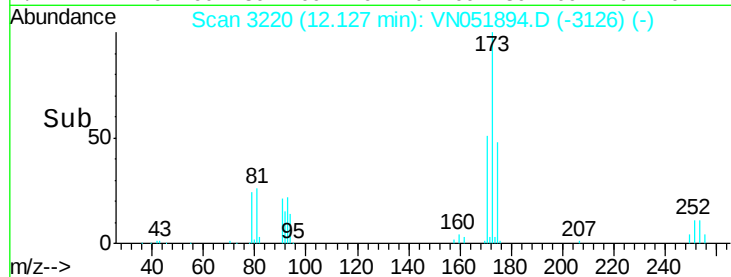
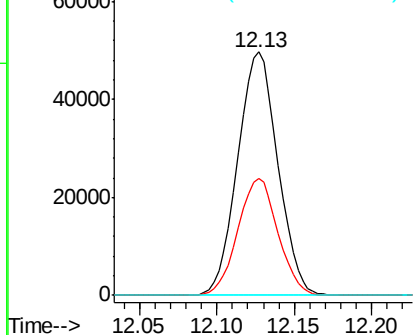
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.4	73.4
254	0.0	0.1	0.1#

Manual Integrations
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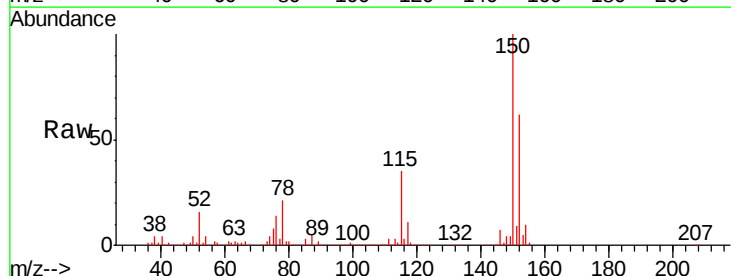


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

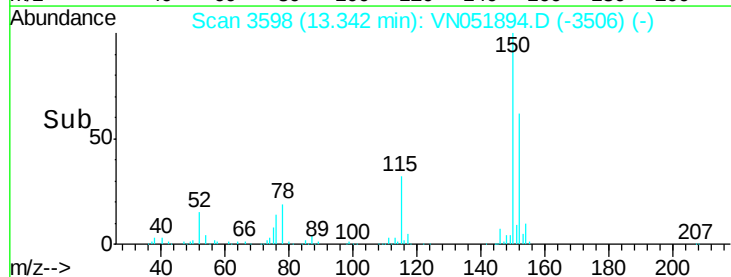
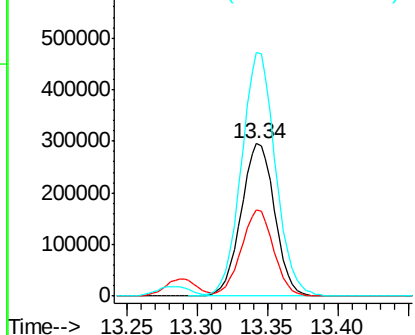


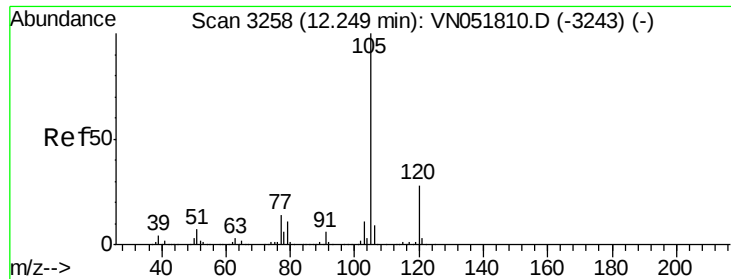
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.4
150	162.4	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.68 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 105 Resp: 783117

Ion Ratio Lower Upper

105 100

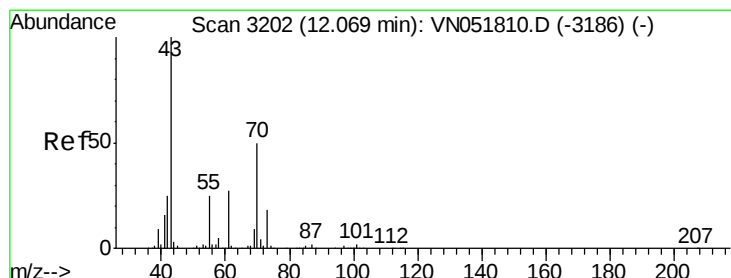
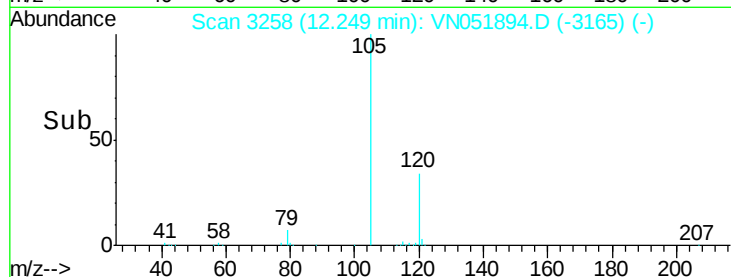
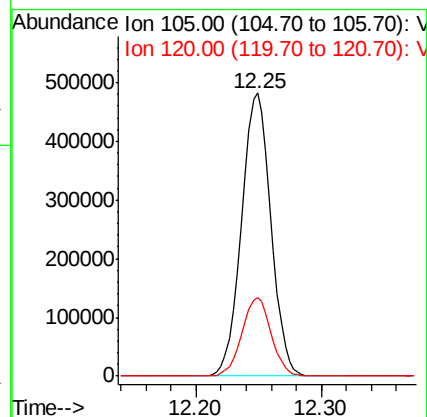
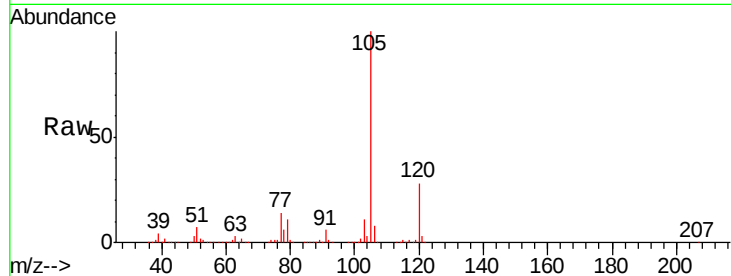
120 27.6 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 15.99 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Tgt Ion: 43 Resp: 120023

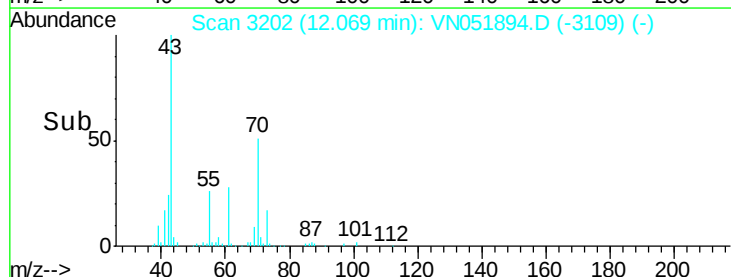
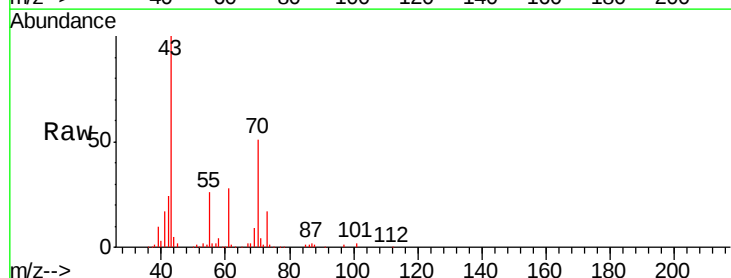
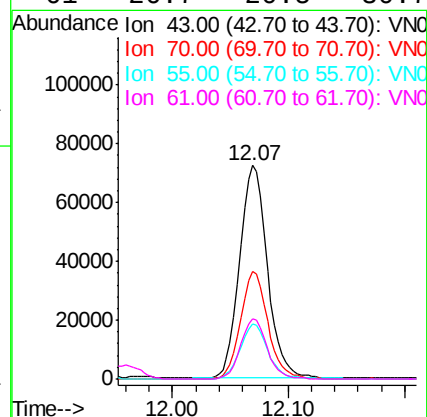
Ion Ratio Lower Upper

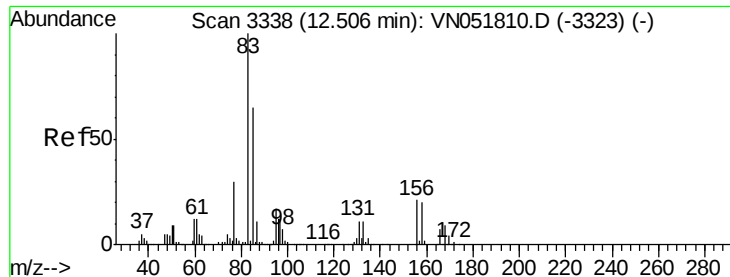
43 100

70 49.8 36.2 54.2

55 26.1 21.8 32.8

61 26.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.10 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

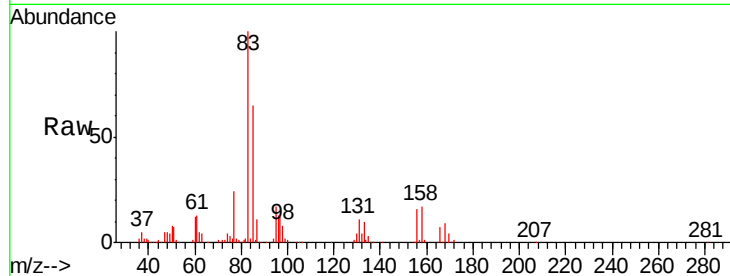
ClientSampleId :

VN1016MBS01

Tgt Ion:	83	Resp:	150561
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.3	15.9
85	64.2	31.9	95.7

Manual Integrations
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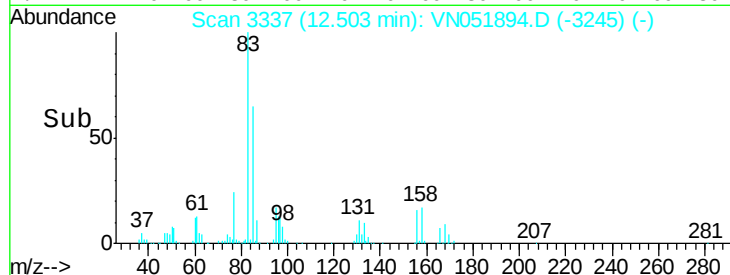


Abundance Ion 82.90 (82.60 to 83.60): VN051810.D (-3323) (-)

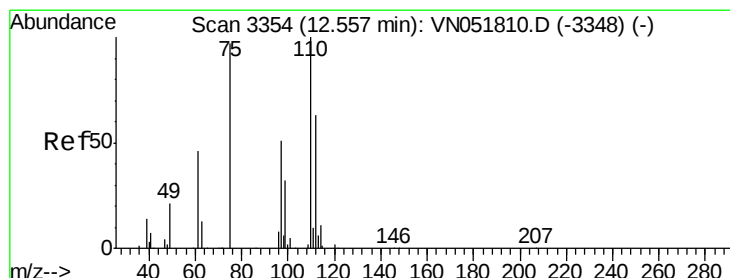
Ion 130.80 (130.50 to 131.50): VN051810.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN051810.D (-3323) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 18.97 ug/l m

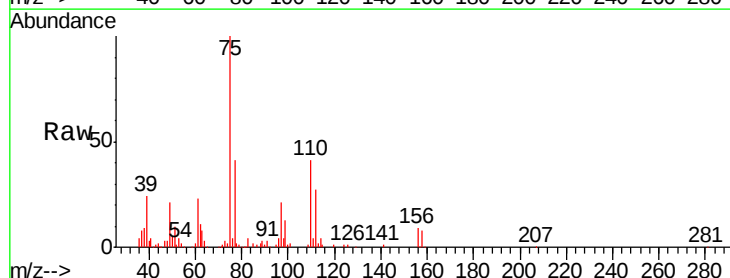
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

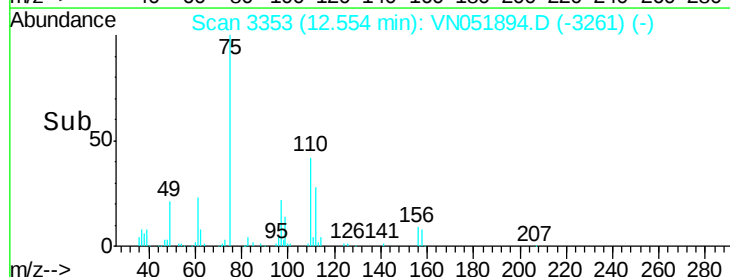
Tgt Ion:	75	Resp:	116696
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051810.D (-3348) (-)

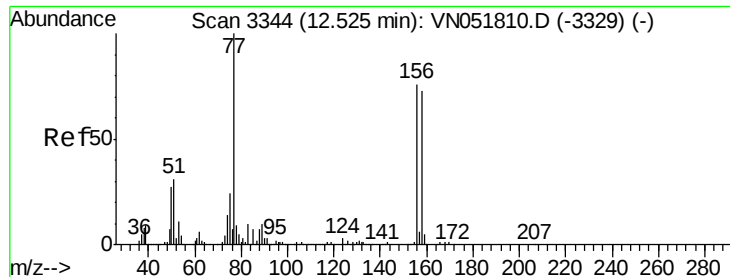
Ion 77.00 (76.70 to 77.70): VN051810.D (-3348) (-)

Time-->



Time-->

Time-->



#77

Bromobenzene

Concen: 20.37 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

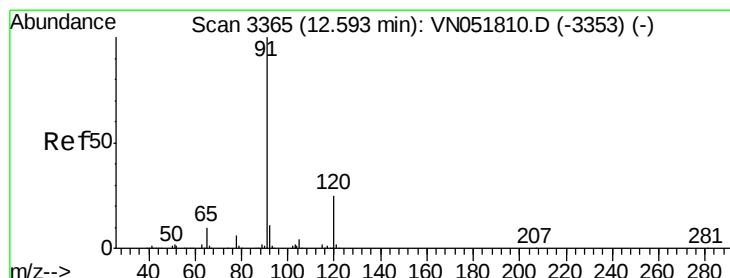
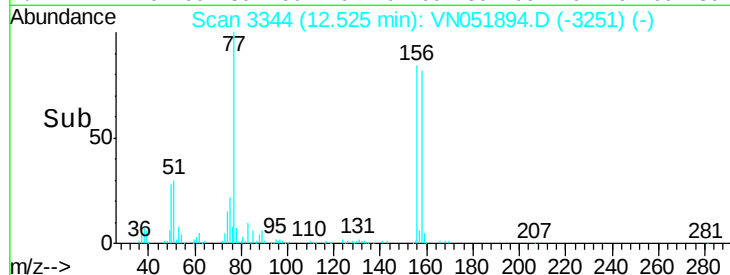
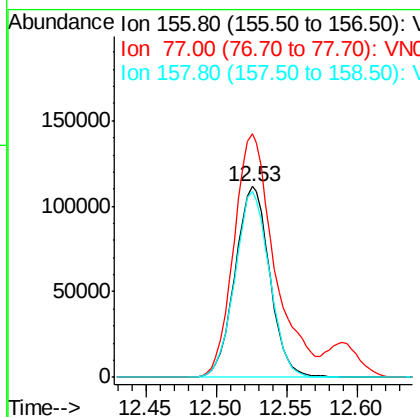
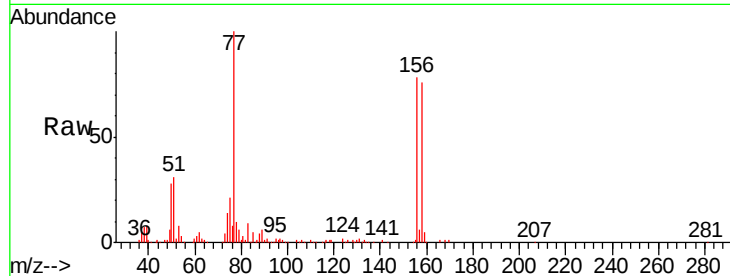
ClientSampleId :

VN1016MBS01

Tgt Ion:	156	Resp:	192268
Ion Ratio	Lower	Upper	
156	100		
77	148.5	89.9	269.7
158	97.2	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.66 ug/l

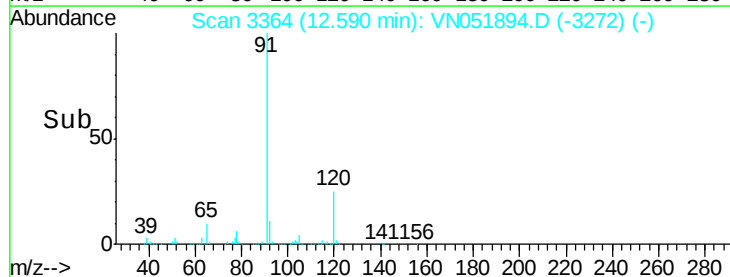
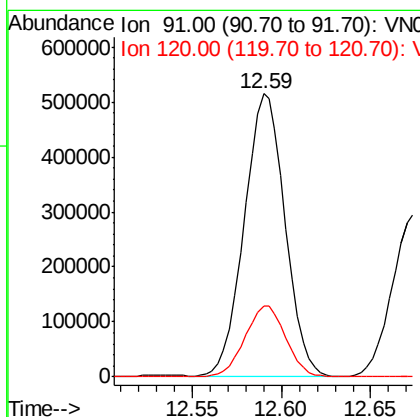
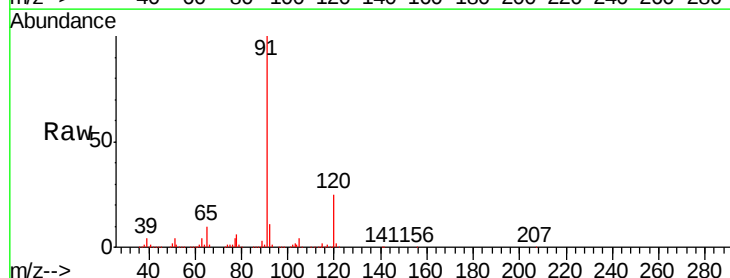
RT: 12.59 min Scan# 3364

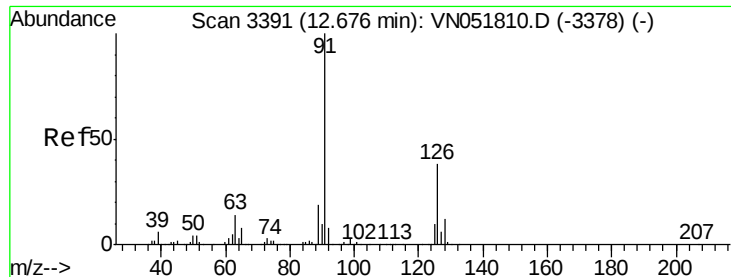
Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Tgt Ion:	91	Resp:	819082
Ion Ratio	Lower	Upper	
91	100		
120	25.3	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.56 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 91 Resp: 490980

Ion Ratio Lower Upper

91 100

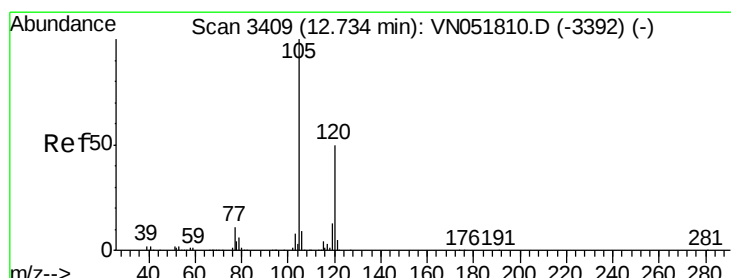
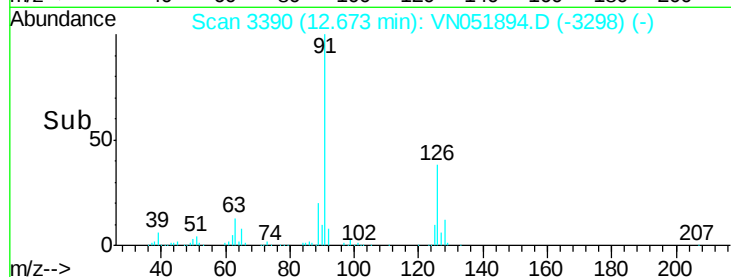
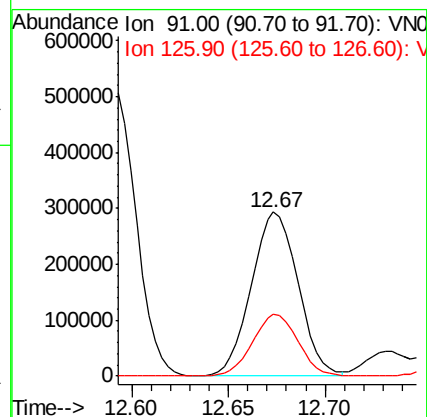
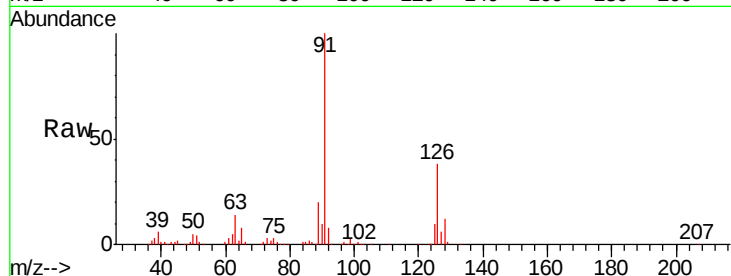
126 37.2 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.77 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051894.D

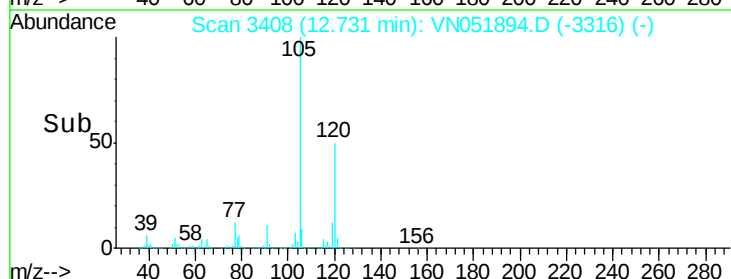
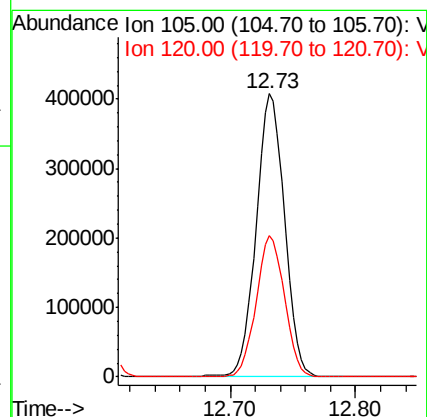
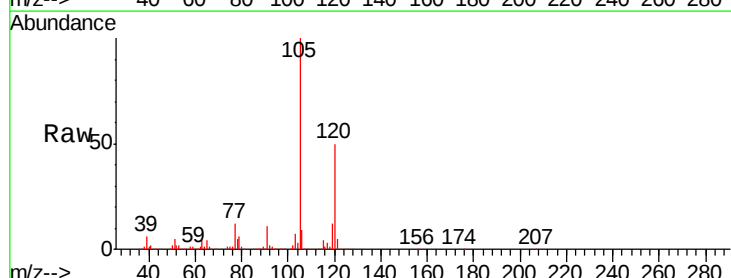
Acq: 16 Oct 2018 14:27

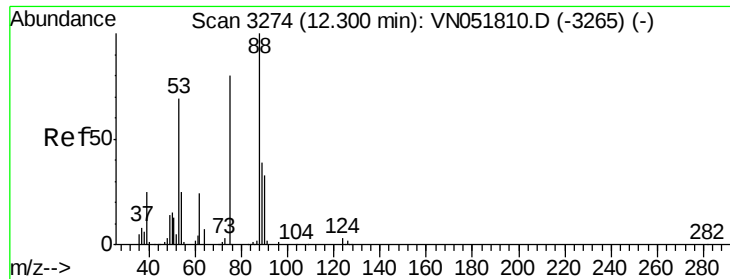
Tgt Ion: 105 Resp: 640823

Ion Ratio Lower Upper

105 100

120 49.9 24.6 74.0





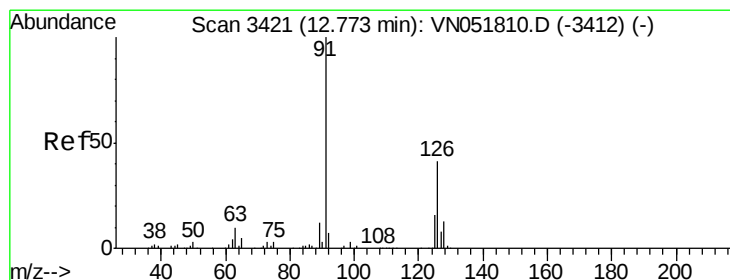
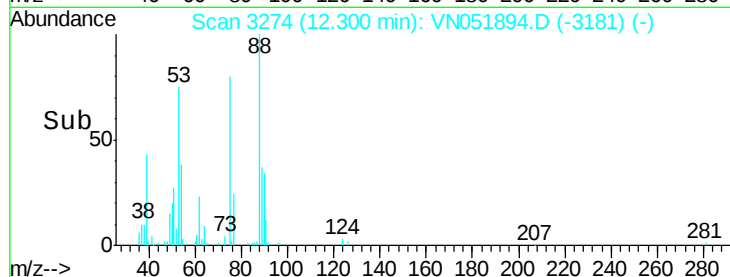
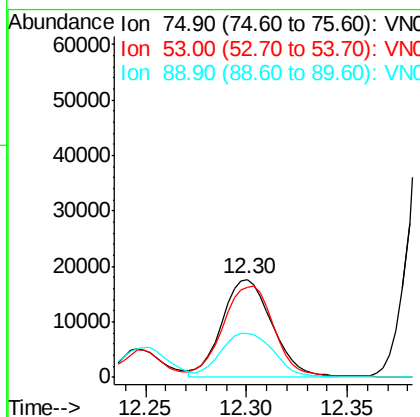
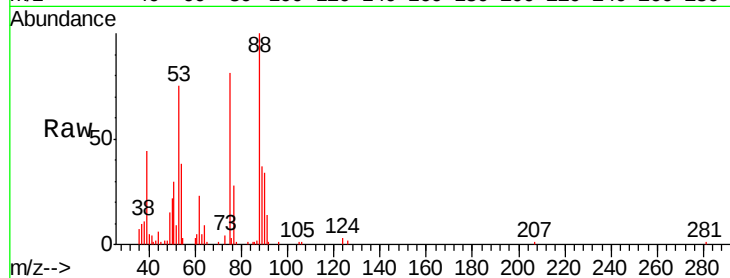
#81
trans-1,4-Dichloro-2-butene
Concen: 14.28 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.6	68.9	103.3
89	48.0	36.1	54.1

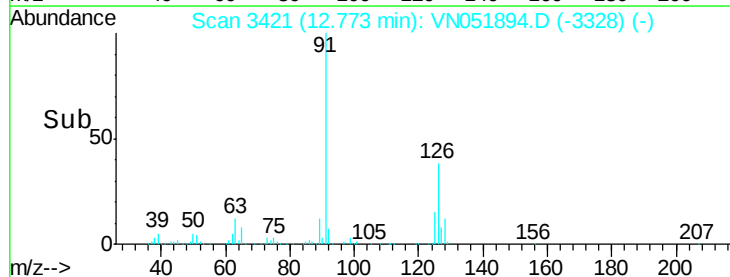
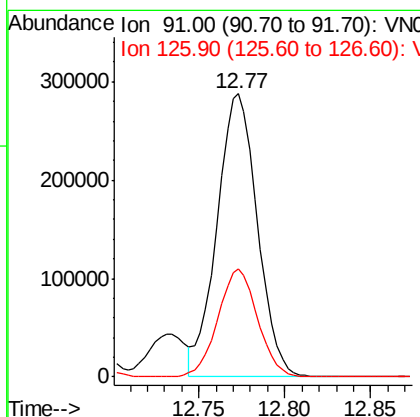
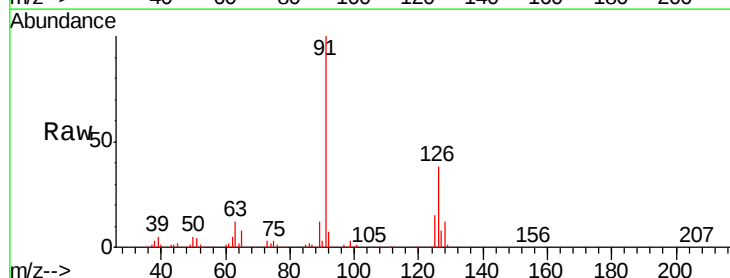
Manual Integrations
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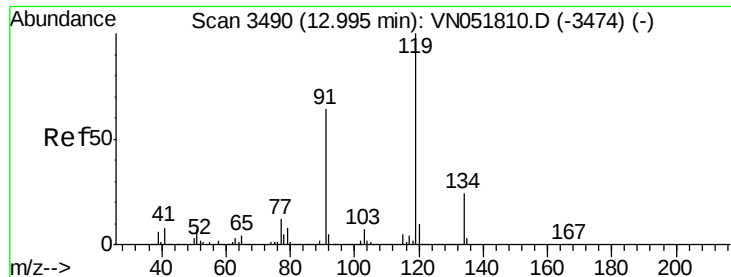
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.51 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.6	17.5	52.5





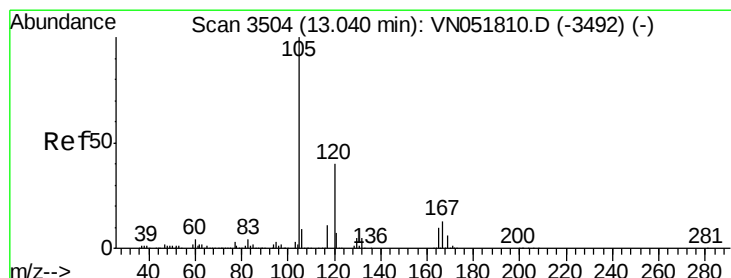
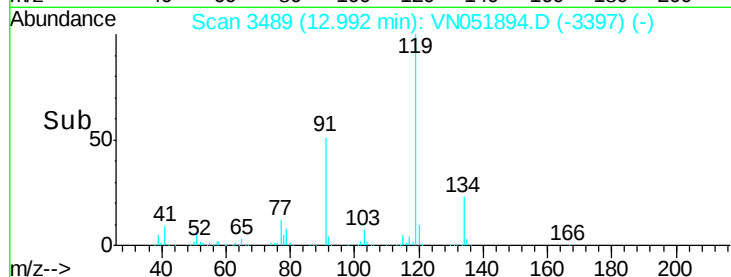
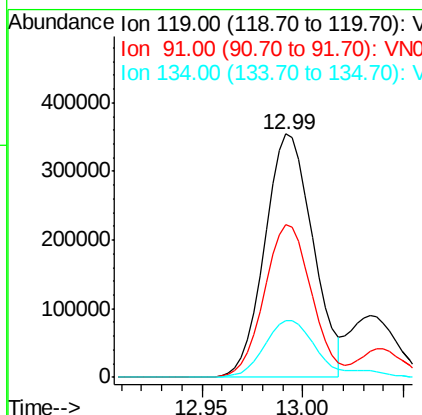
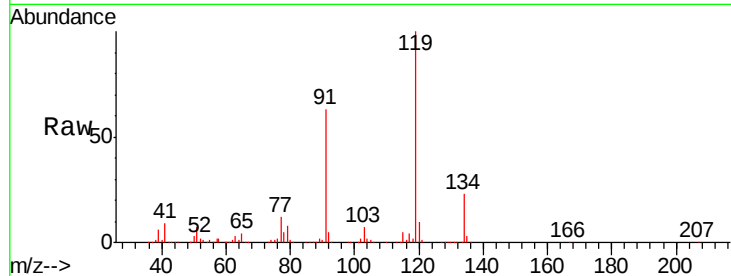
#83
 tert-Butylbenzene
 Concen: 20.56 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	588184		
91	61.7	31.6	94.7	
134	26.3	13.4	40.1	

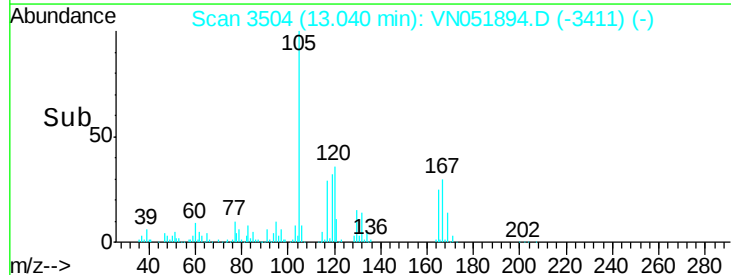
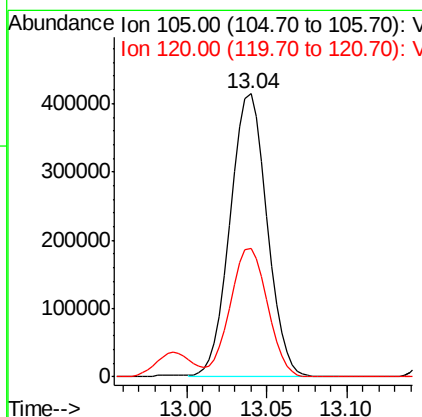
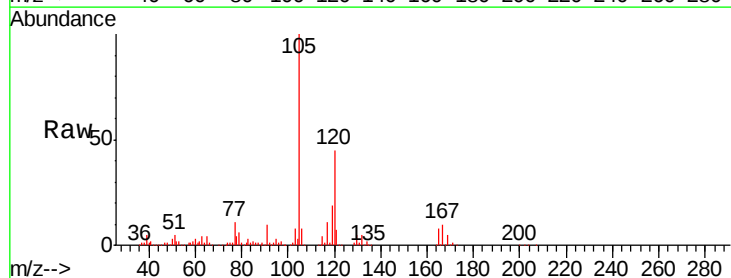
Manual Integrations
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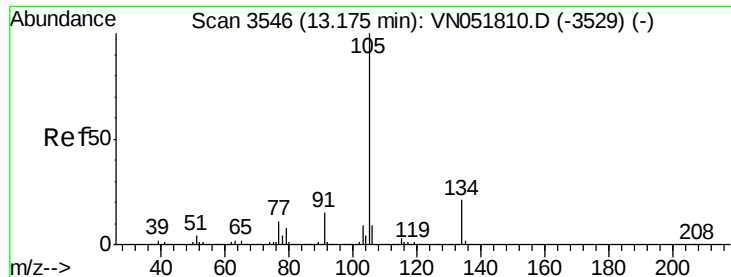
MMDadoda
 10/17/2018 1:12:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.18 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	650595		
120	46.2	22.9	68.8	





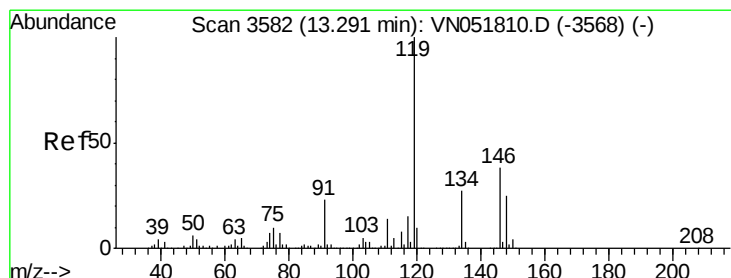
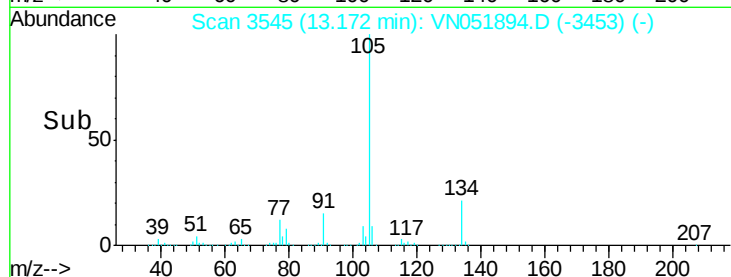
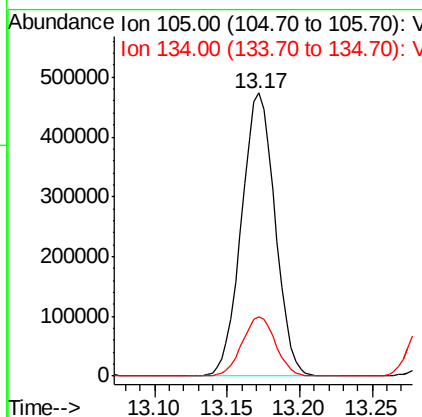
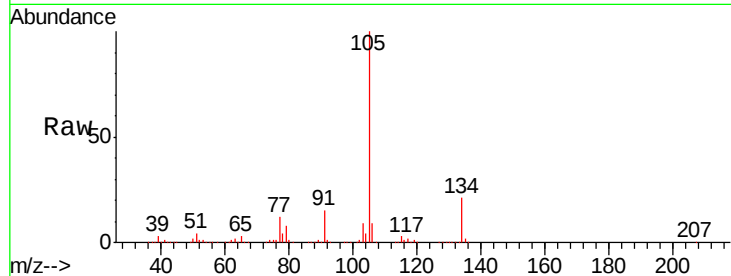
#85
 sec-Butylbenzene
 Concen: 20.56 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion:105 Resp: 762084
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8

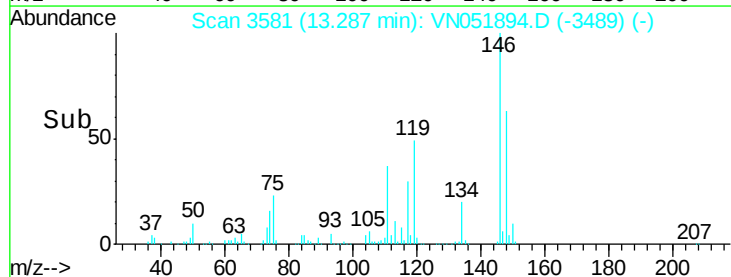
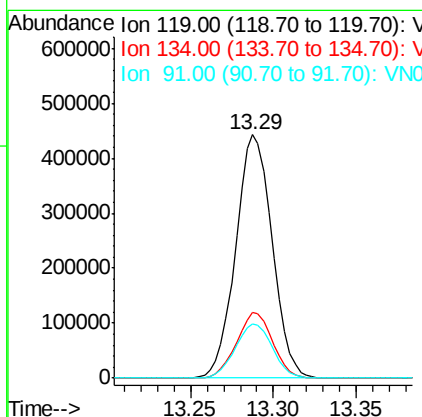
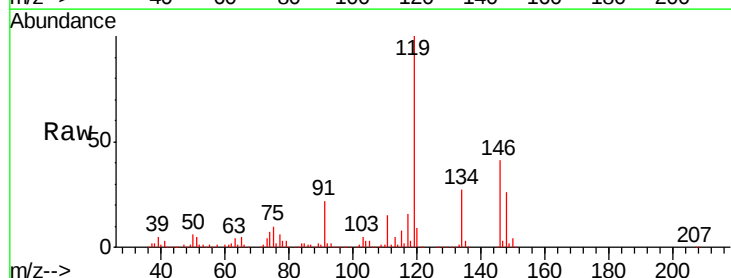
Manual Integrations
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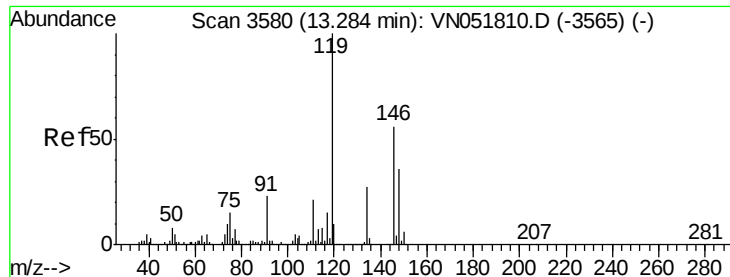
MMDadoda
 10/17/2018 1:12:01 PM



#86
 p-Isopropyltoluene
 Concen: 20.67 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion:119 Resp: 673677
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.7 41.0
 91 22.7 11.2 33.5





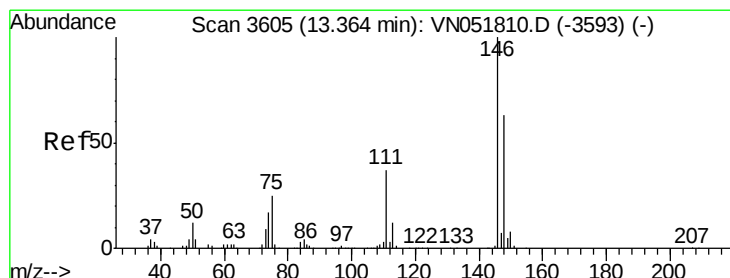
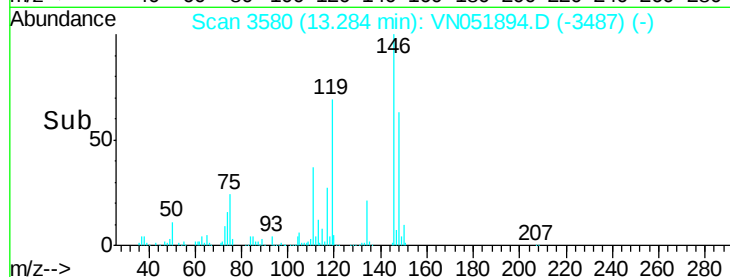
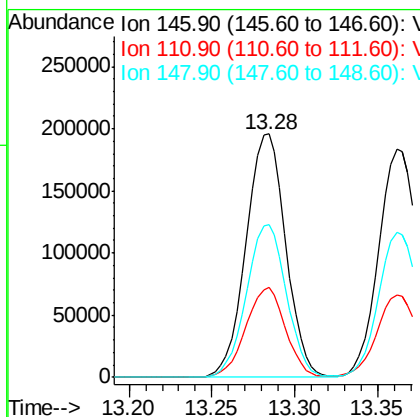
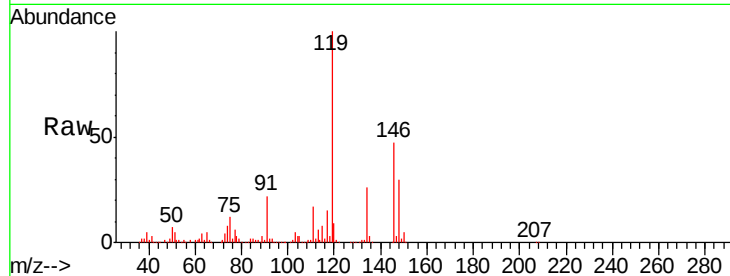
#87
 1,3-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	325722		
111	36.8	19.1	57.3	
148	63.3	32.2	96.6	

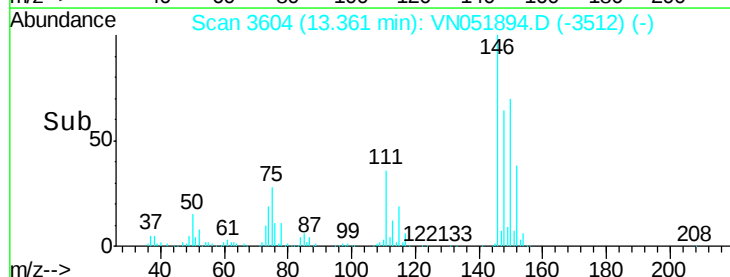
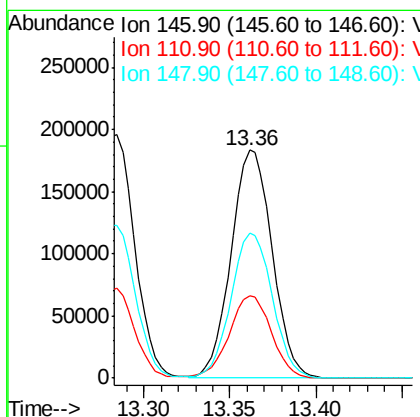
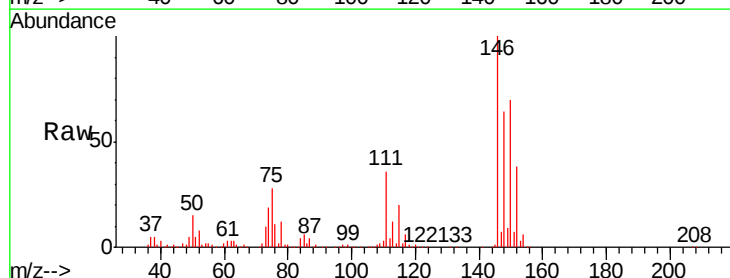
Manual Integrations
 APPROVED

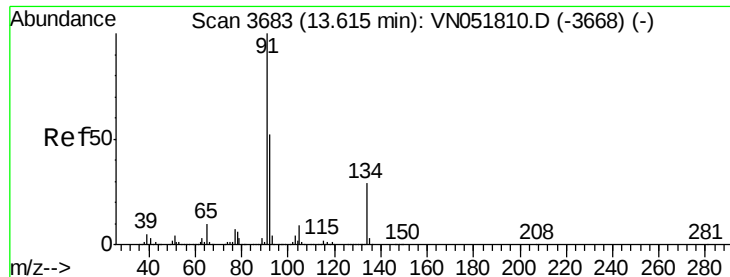
MMDadoda
 10/17/2018 1:12:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.55 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	305967		
111	37.2	18.8	56.3	
148	64.1	32.2	96.6	





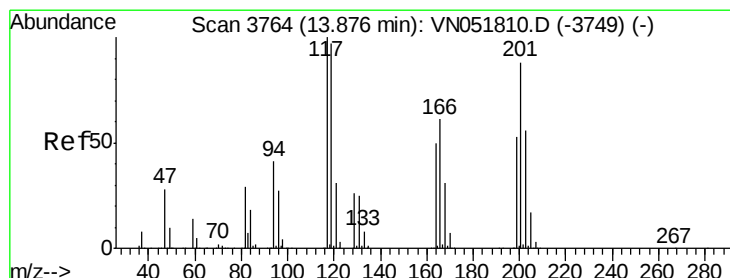
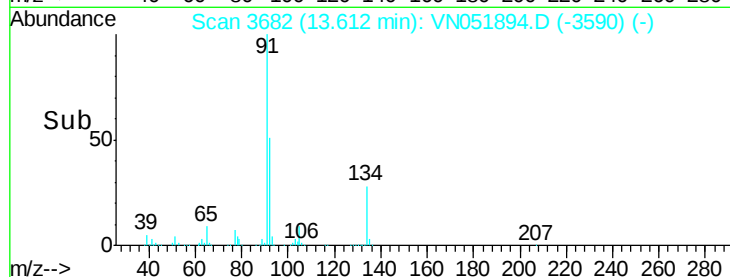
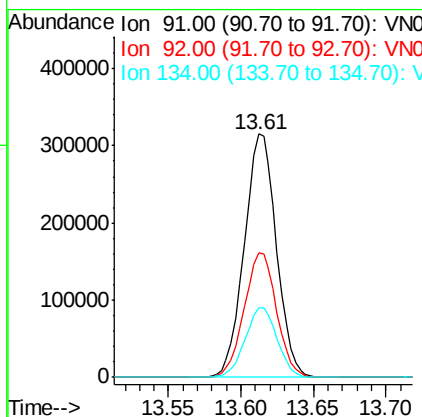
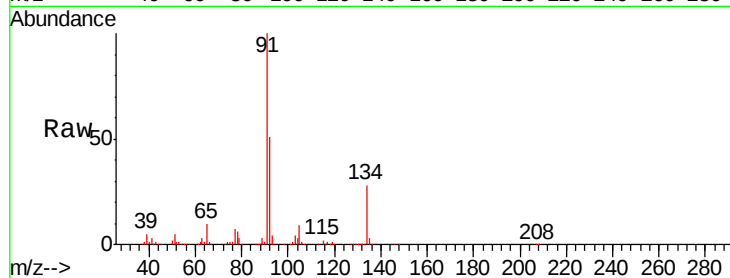
#89
n-Butylbenzene
Concen: 20.04 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	28.8	13.2	39.6

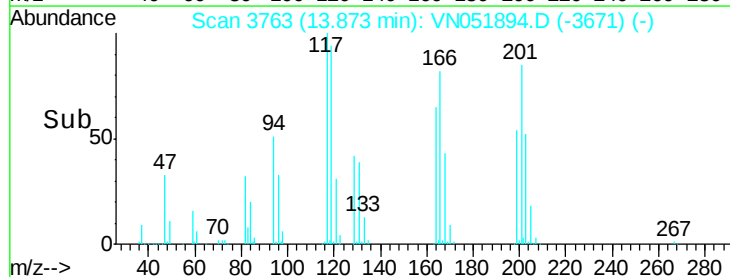
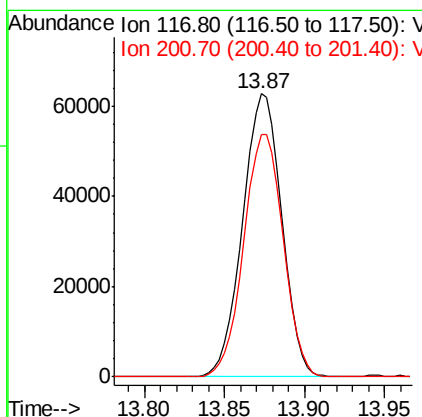
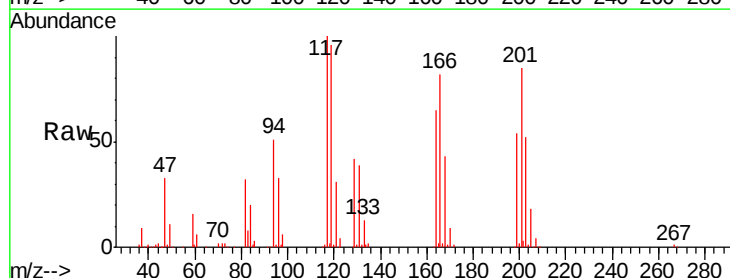
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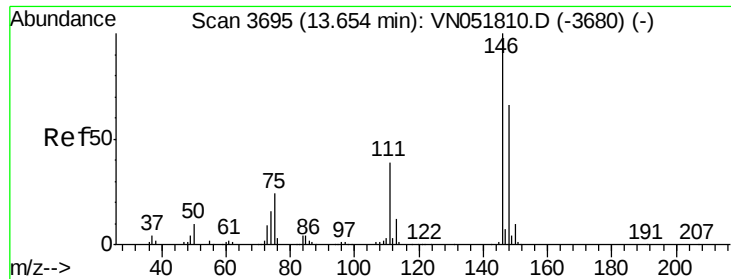
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#90
Hexachloroethane
Concen: 17.70 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	46.0	137.8





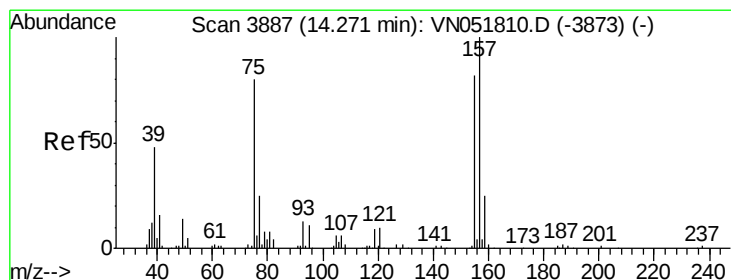
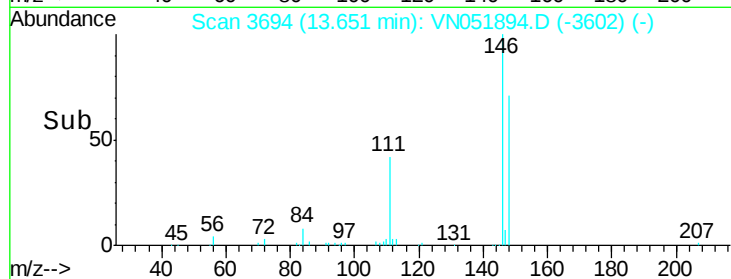
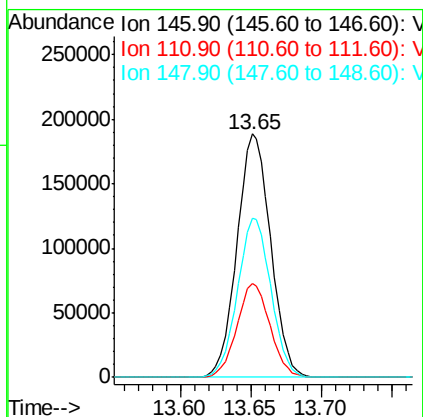
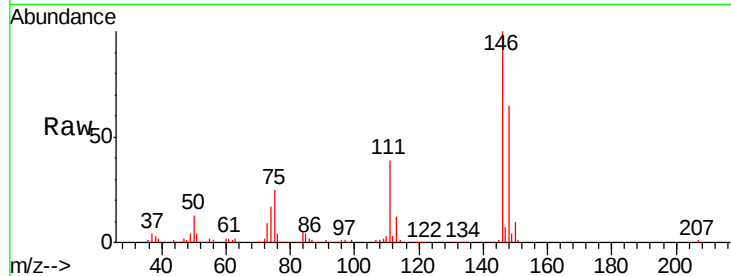
#91
 1,2-Dichlorobenzene
 Concen: 20.23 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.8	59.3
148	64.9	32.3	96.8

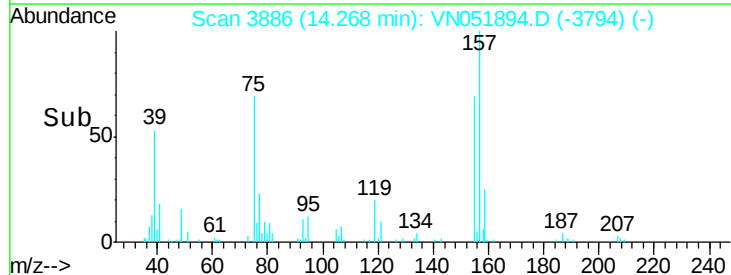
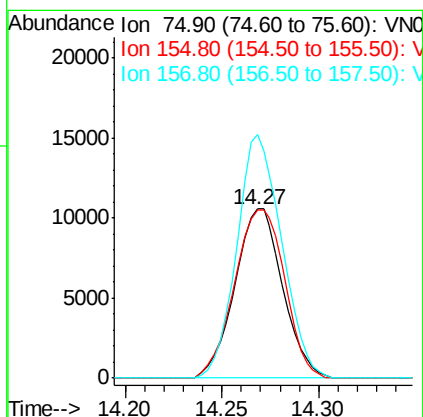
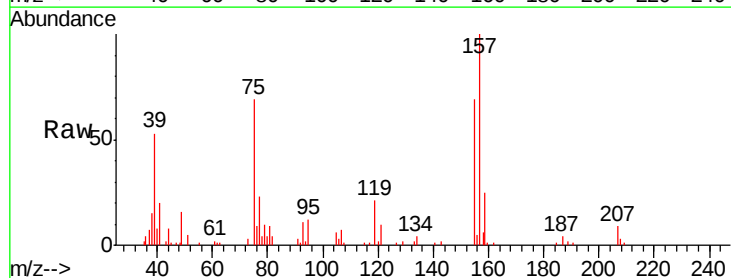
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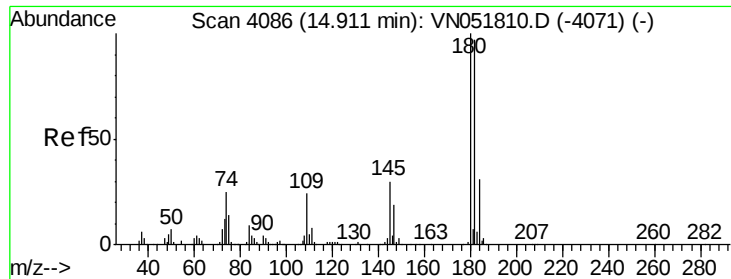
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.83 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.2	46.4	139.1
157	135.4	60.7	182.0





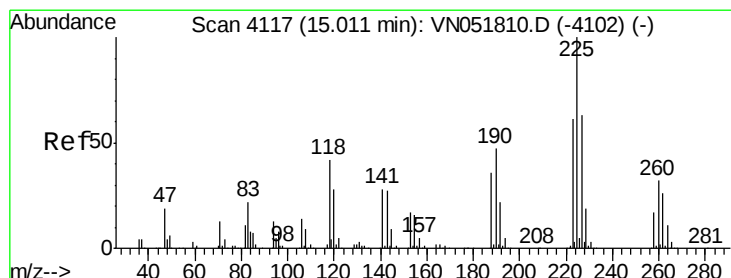
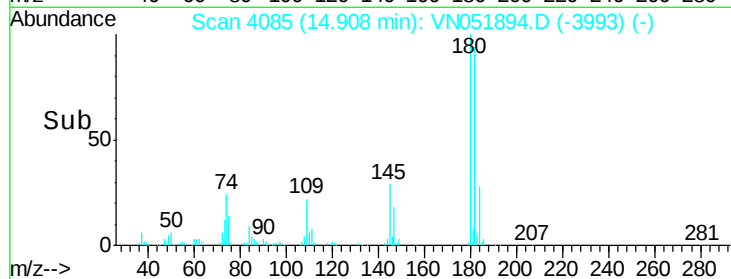
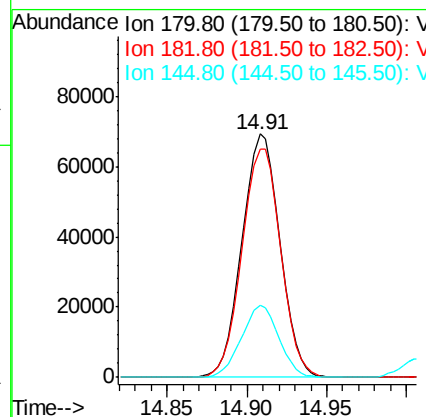
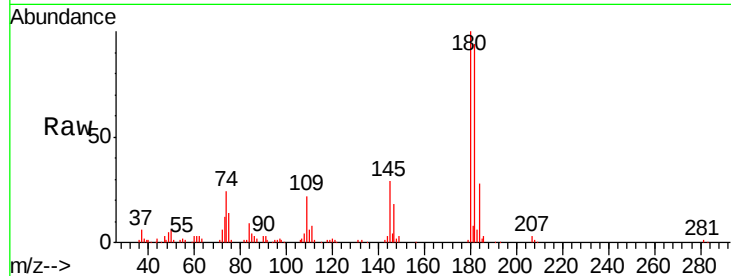
#93
 1,2,4-Trichlorobenzene
 Concen: 16.21 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111657		
182	96.0	48.2	144.6	
145	29.2	14.1	42.2	

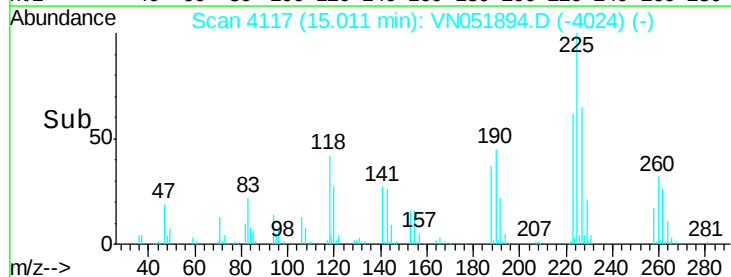
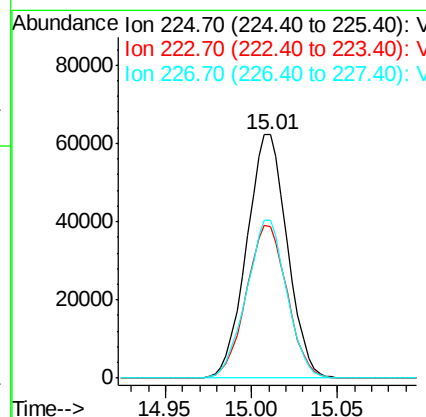
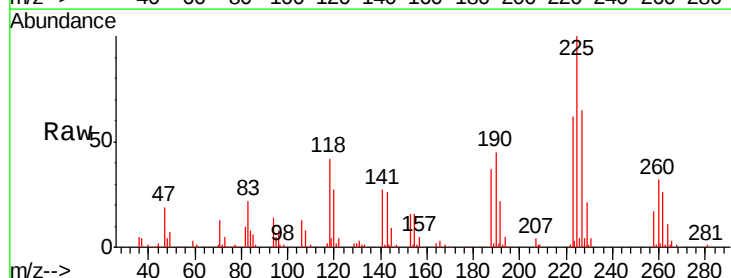
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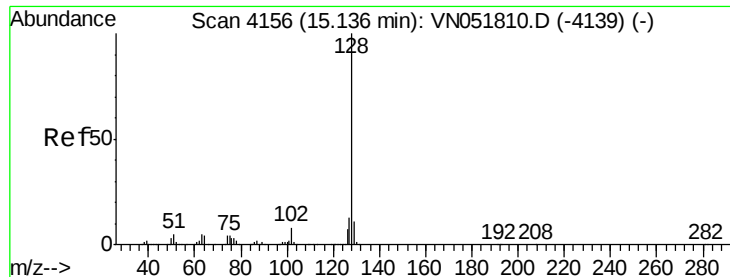
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#94
 Hexachlorobutadiene
 Concen: 20.18 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101753		
223	63.2	31.3	93.8	
227	64.2	32.0	96.2	





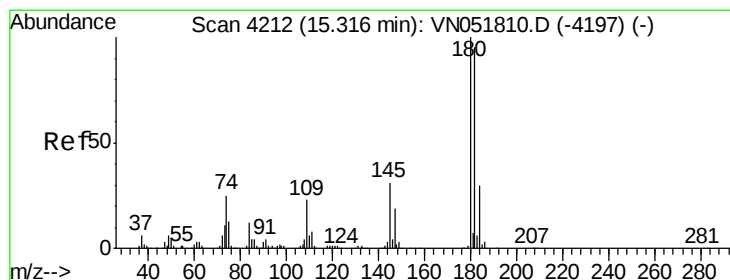
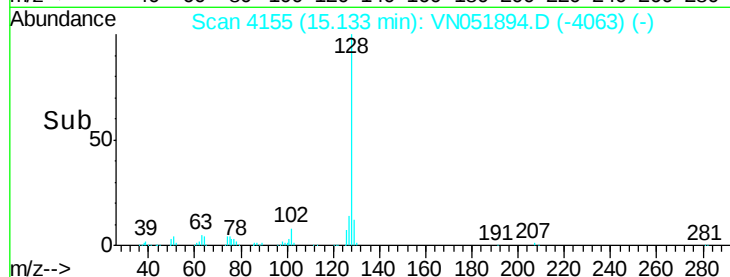
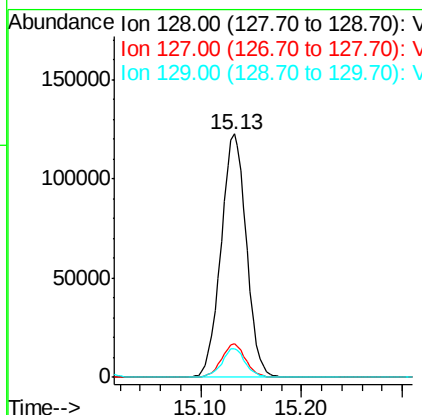
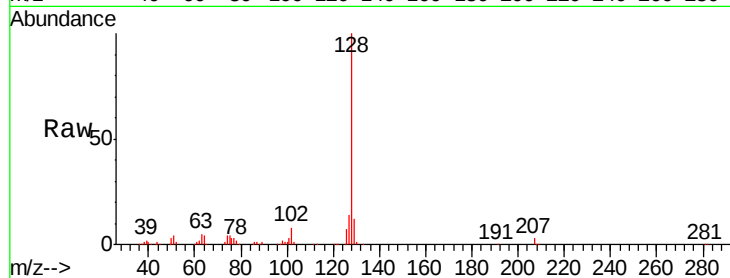
#95
Naphthalene
Concen: 15.24 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.48 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.0	144.2
145	31.5	15.2	45.6

