

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
 Data File : VN051883.D
 Acq On : 16 Oct 2018 9:57
 Operator : MD\SY
 Sample : VN1016WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 1:11:46 PM

Quant Time: Oct 17 03:09:03 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	882045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1301156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1142194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	496168	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	396743	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
35) Dibromofluoromethane	7.59	113	395860	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.09	98	1432331	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	12.40	95	463571	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	101909	20.81	ug/l	99
3) Chloromethane	2.06	50	104767	17.67	ug/l	98
4) Vinyl Chloride	2.18	62	153610	17.27	ug/l	100
5) Bromomethane	2.57	94	124283	15.49	ug/l	100
6) Chloroethane	2.70	64	114076	17.47	ug/l	93
7) Trichlorofluoromethane	3.02	101	249168	18.86	ug/l	99
8) Diethyl Ether	3.41	74	70254	19.29	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145864	20.71	ug/l	99
10) Methyl Iodide	3.95	142	137488	14.81	ug/l	97
11) Tert butyl alcohol	4.79	59	39819	64.22	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	127844	20.19	ug/l	92
13) Acrolein	3.61	56	33988	66.00	ug/l	99
14) Allyl chloride	4.33	41	145329	18.28	ug/l #	77
15) Acrylonitrile	5.00	53	171674	85.06	ug/l	98
16) Acetone	3.82	43	129951	71.47	ug/l	94
17) Carbon Disulfide	4.05	76	306195	17.87	ug/l	99
18) Methyl Acetate	4.33	43	83058	16.68	ug/l #	90
19) Methyl tert-butyl Ether	5.05	73	361145	18.12	ug/l	94
20) Methylene Chloride	4.55	84	143998	19.14	ug/l	88
21) trans-1,2-Dichloroethene	5.05	96	144288	19.41	ug/l	86
22) Diisopropyl ether	5.96	45	332346	18.92	ug/l #	88
23) Vinyl Acetate	5.90	43	1106540	86.11	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	241495	20.01	ug/l	97
25) 2-Butanone	6.84	43	187008	72.79	ug/l	91
26) 2,2-Dichloropropane	6.83	77	225367	18.45	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	170501	19.90	ug/l	88
28) Bromochloromethane	7.20	49	101761	20.10	ug/l #	64
29) Tetrahydrofuran	7.21	42	115774	75.61	ug/l #	78
30) Chloroform	7.37	83	281650	19.52	ug/l	98
31) Cyclohexane	7.65	56	207229	19.07	ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	261454	19.30	ug/l	97
36) 1,1-Dichloropropene	7.79	75	197684	18.77	ug/l	96
37) Ethyl Acetate	6.94	43	89291	16.51	ug/l	98
38) Carbon Tetrachloride	7.78	117	231117	18.93	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	246627	19.06	ug/l	89
40) Benzene	8.04	78	597532	19.66	ug/l	99
41) Methacrylonitrile	7.17	41	41869	16.06	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	190247	19.10	ug/l	100
43) Isopropyl Acetate	8.17	43	171286	15.48	ug/l #	95
44) Trichloroethene	8.84	130	186208	20.13	ug/l	95
45) 1,2-Dichloropropane	9.12	63	137596	19.26	ug/l	98
46) Dibromomethane	9.21	93	102536	18.70	ug/l	99
47) Bromodichloromethane	9.40	83	207716	18.96	ug/l	99
48) Methyl methacrylate	9.20	41	79465	16.49	ug/l #	78
49) 1,4-Dioxane	9.20	88	25850	308.77	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	442246	78.77	ug/l	97
52) Toluene	10.16	92	392634	19.24	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	184964	16.85	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	219172	18.19	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	141039	18.38	ug/l	97
56) Ethyl methacrylate	10.43	69	151744	16.79	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	218838	18.35	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	320641	81.46	ug/l #	88
59) 2-Hexanone	10.75	43	278454	70.62	ug/l	96
60) Dibromochloromethane	10.90	129	159072	17.46	ug/l	100
61) 1,2-Dibromoethane	11.01	107	144536	18.28	ug/l	99
64) Tetrachloroethene	10.63	164	184108	21.02	ug/l	95
65) Chlorobenzene	11.43	112	447135	19.36	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	170558	19.37	ug/l	98
67) Ethyl Benzene	11.51	91	751663	19.66	ug/l	97
68) m/p-Xylenes	11.62	106	598959	38.78	ug/l	95
69) o-Xylene	11.95	106	292424	19.49	ug/l	97
70) Styrene	11.96	104	442474	19.12	ug/l	100
71) Bromoform	12.13	173	95438	16.36	ug/l #	99
73) Isopropylbenzene	12.25	105	776921	20.32	ug/l	97
74) N-amyl acetate	12.07	43	126624	16.70	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	155469	18.51	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	138833m	22.43	ug/l	
77) Bromobenzene	12.53	156	191162	20.05	ug/l	87
78) n-propylbenzene	12.59	91	826258	20.64	ug/l	96
79) 2-Chlorotoluene	12.67	91	491406	20.38	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	634619	20.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	31442	14.59	ug/l	89
82) 4-Chlorotoluene	12.77	91	477461	20.60	ug/l	97
83) tert-Butylbenzene	12.99	119	588940	20.38	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	639581	20.62	ug/l	99
85) sec-Butylbenzene	13.17	105	766633	20.48	ug/l	98
86) p-Isopropyltoluene	13.29	119	668325	20.30	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	327199	20.07	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	304093	19.24	ug/l	99
89) n-Butylbenzene	13.61	91	484713	19.81	ug/l	98
90) Hexachloroethane	13.88	117	106642	17.85	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	319539	20.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20159	16.31	ug/l	91

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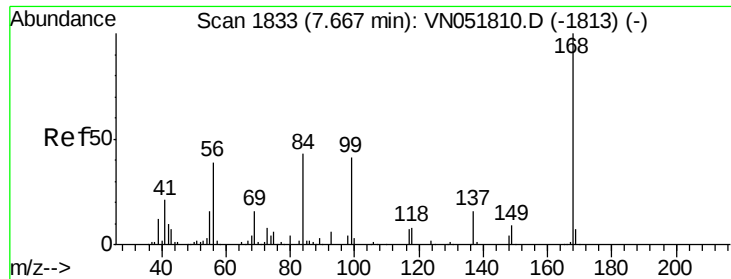
Manual Integrations
APPROVED

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10/17/2018 1:11:46 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	113236	16.27	ug/l	99
94) Hexachlorobutadiene	15.01	225	104950	20.61	ug/l	97
95) Naphthalene	15.13	128	210045	14.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	121120	17.00	ug/l	99

(#) = 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: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 168 Resp: 882045

Ion Ratio Lower Upper

168 100

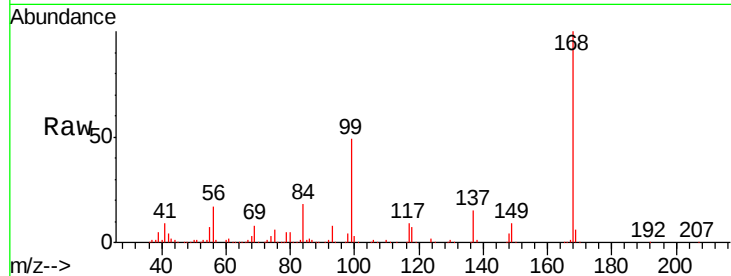
99 48.3 39.6 59.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

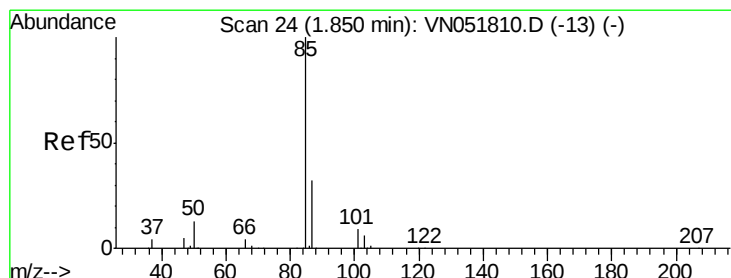
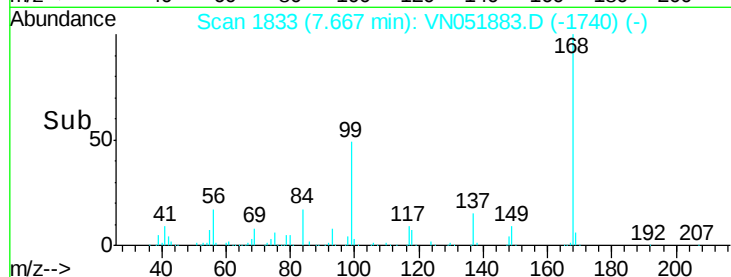
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.81 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051883.D

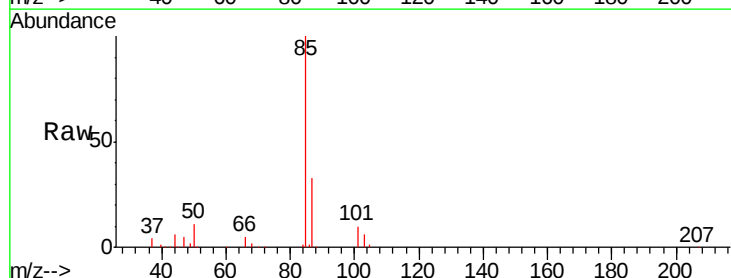
Acq: 16 Oct 2018 9:57

Tgt Ion: 85 Resp: 101909

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

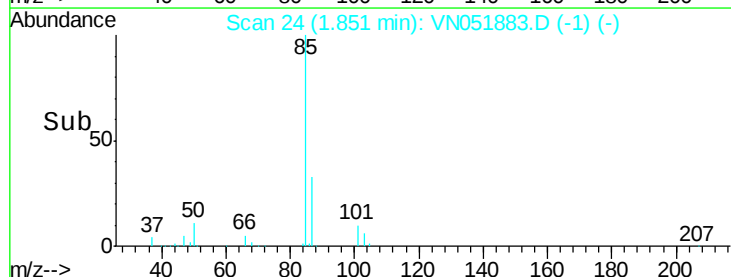
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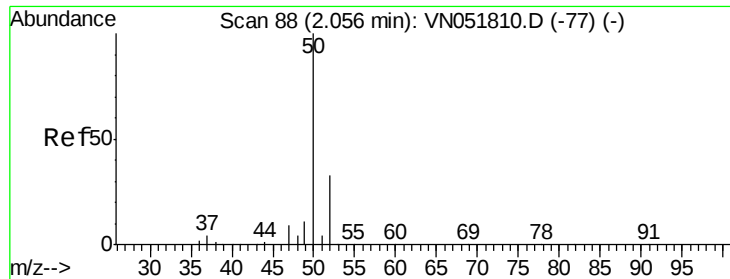
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.67 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 50 Resp: 104767

Ion Ratio Lower Upper

50 100

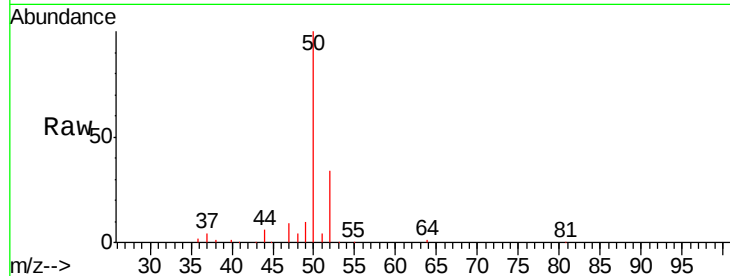
52 34.0 26.3 39.5

Manual Integrations

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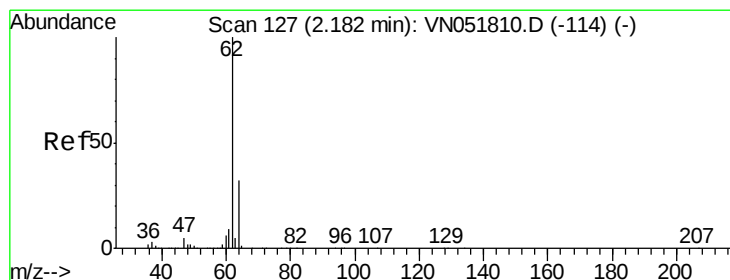
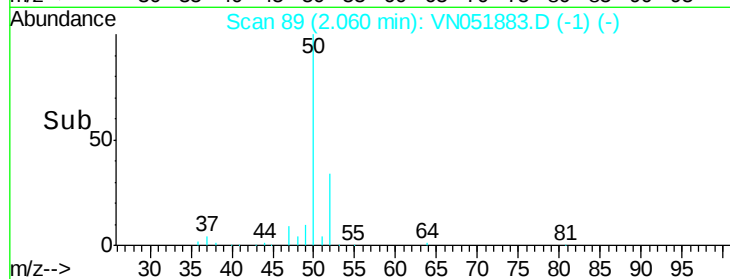
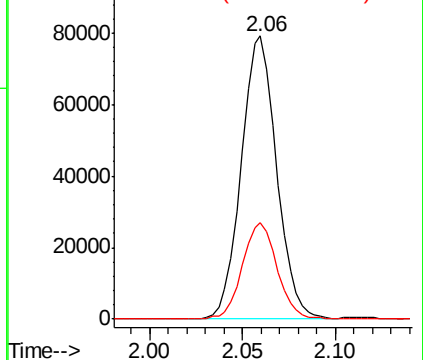
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.27 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051883.D

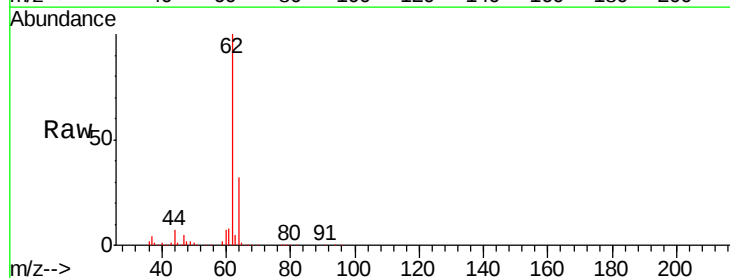
Acq: 16 Oct 2018 9:57

Tgt Ion: 62 Resp: 153610

Ion Ratio Lower Upper

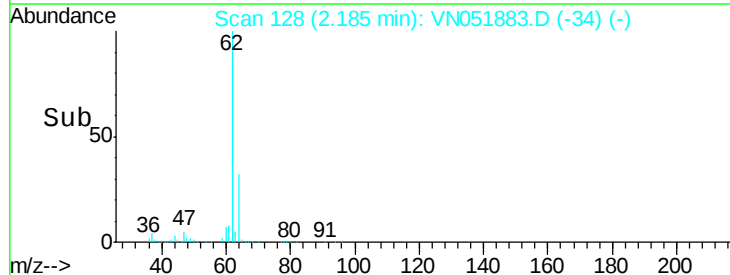
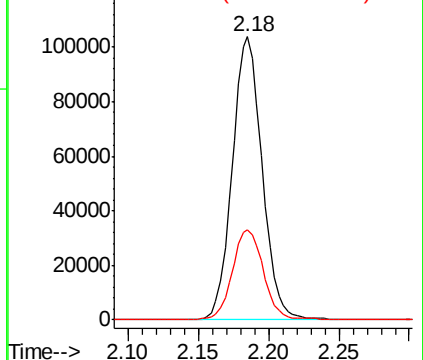
62 100

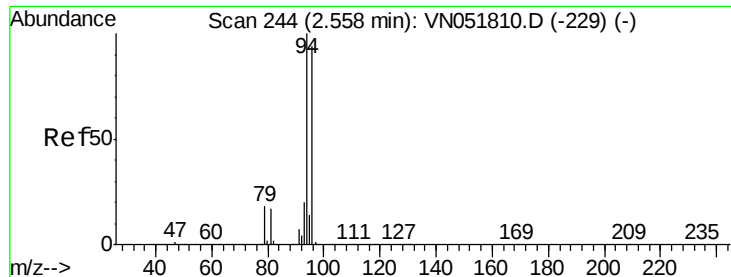
64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 15.49 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 94 Resp: 124283

Ion Ratio Lower Upper

94 100

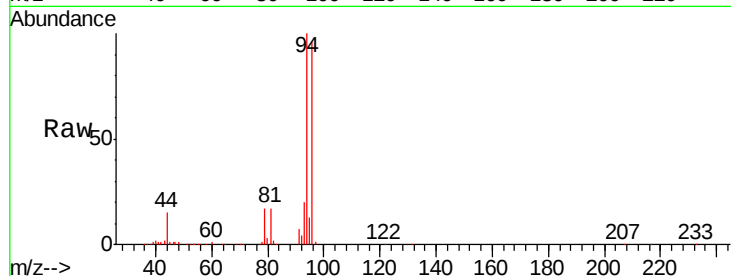
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Manual Integrations

APPROVED

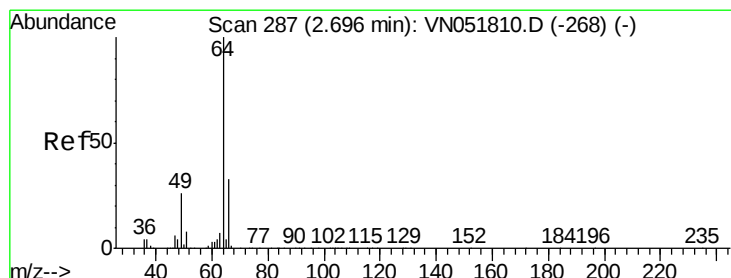
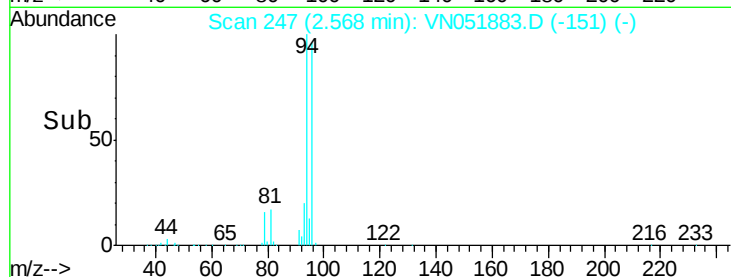
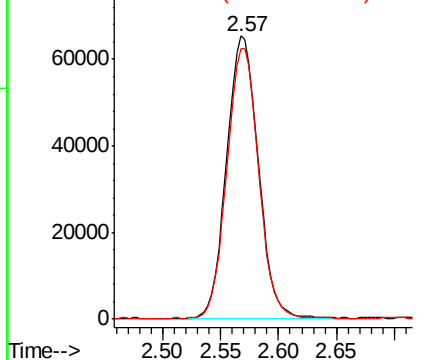
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 17.47 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.01 min

Lab File: VN051883.D

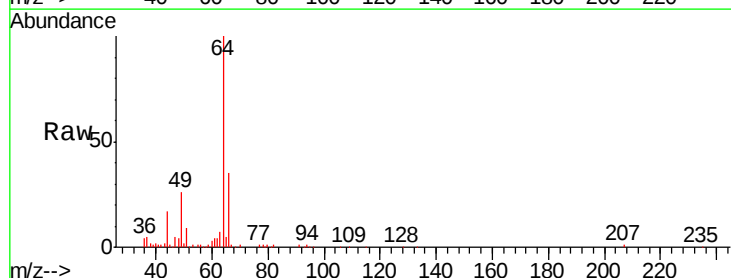
Acq: 16 Oct 2018 9:57

Tgt Ion: 64 Resp: 114076

Ion Ratio Lower Upper

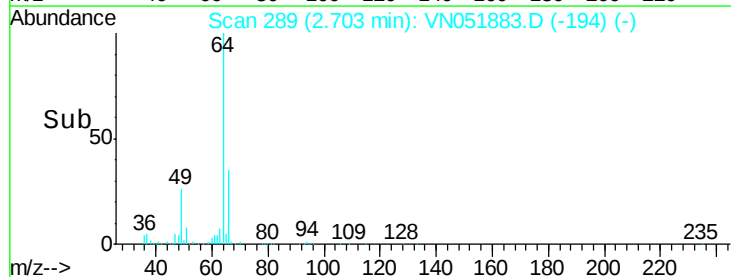
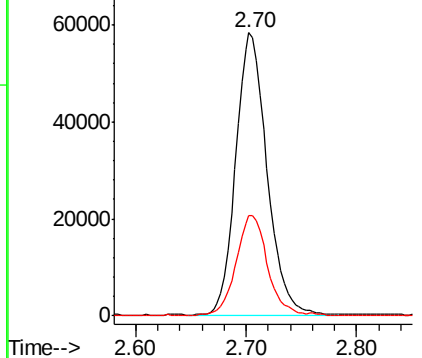
64 100

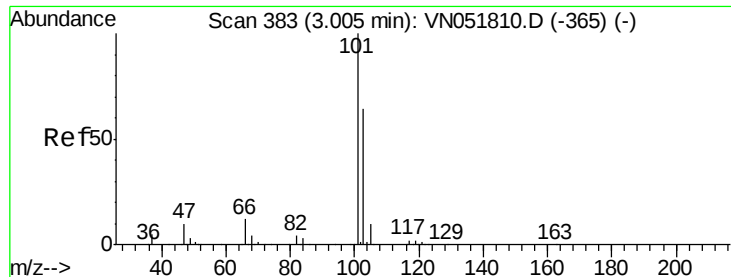
66 35.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

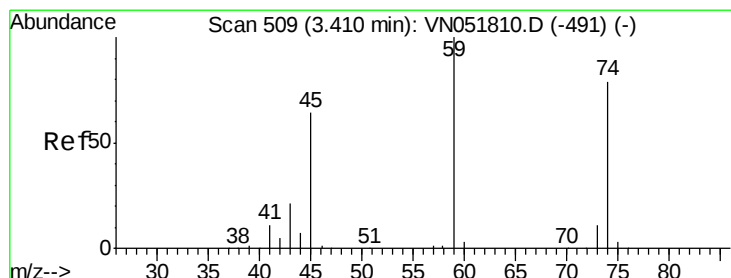
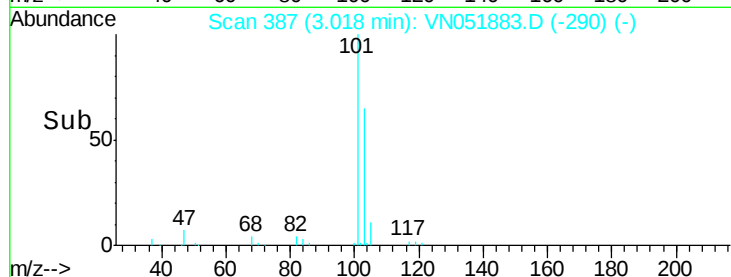
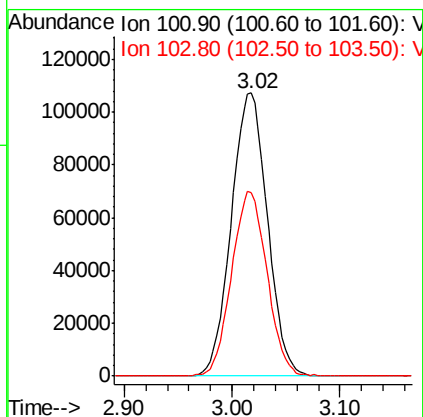
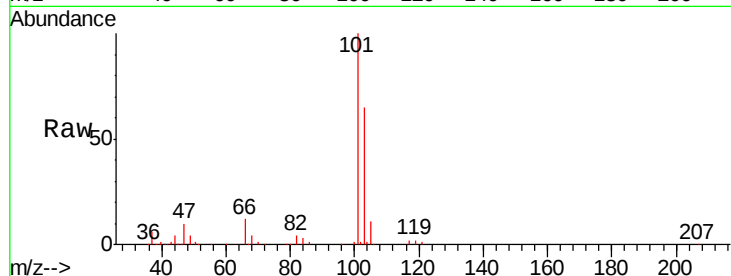
Trichlorofluoromethane
 Concen: 18.86 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
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 VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.6	77.4

Manual Integrations
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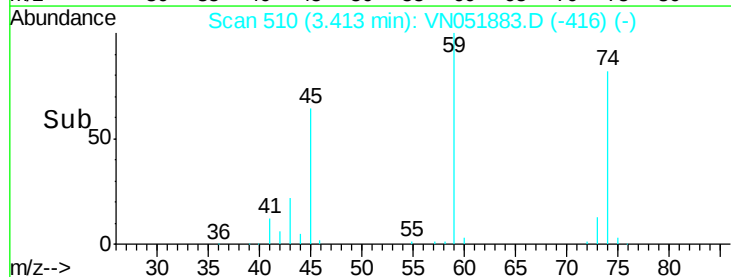
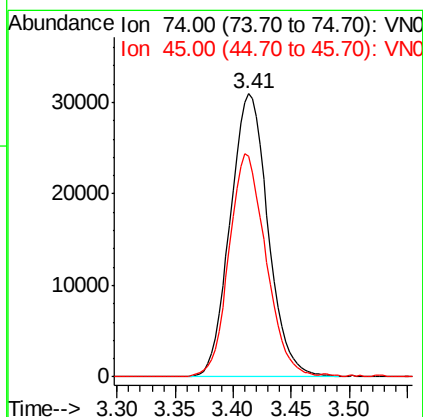
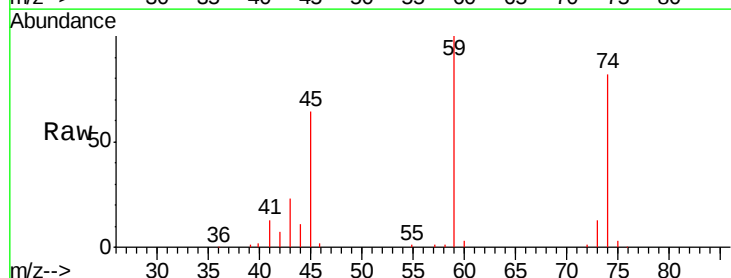
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 10/17/2018 1:11:46 PM

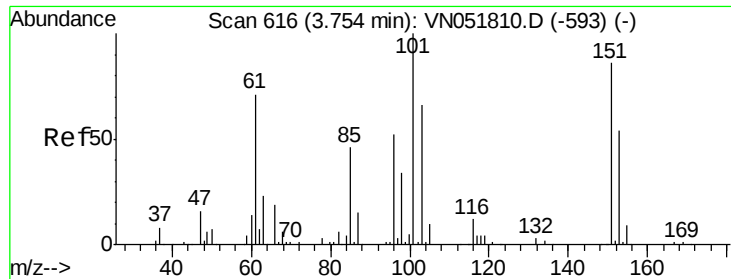


#8

Diethyl Ether
 Concen: 19.29 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	76.7	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.71 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

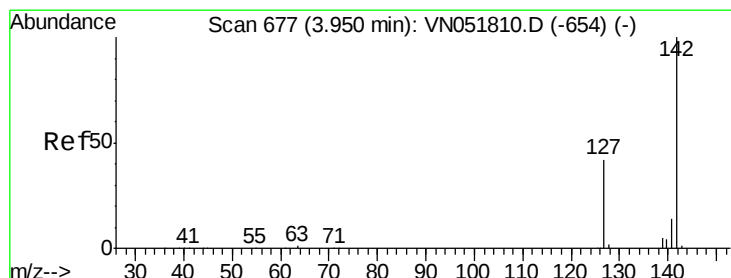
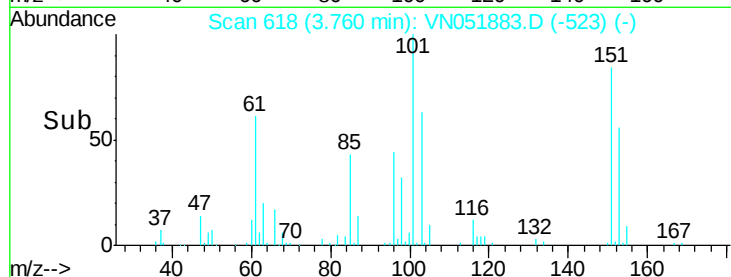
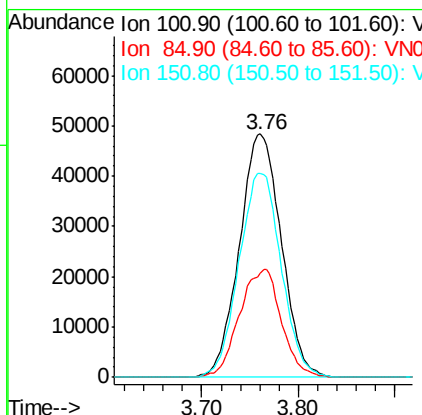
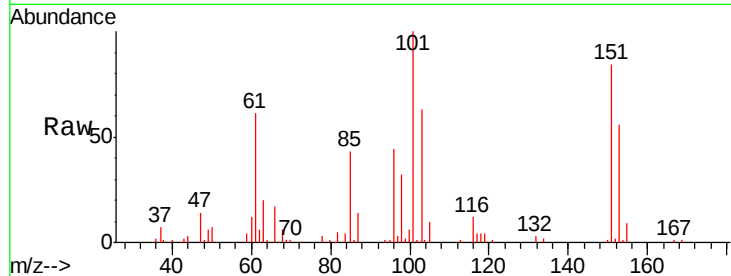
ClientSampleId :

VN1016WBS01

Tgt Ion:	101	Resp:	145864
Ion Ratio	Lower	Upper	
101	100		
85	44.3	33.7	50.5
151	84.4	67.4	101.2

Manual Integrations
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#10

Methyl Iodide

Concen: 14.81 ug/l

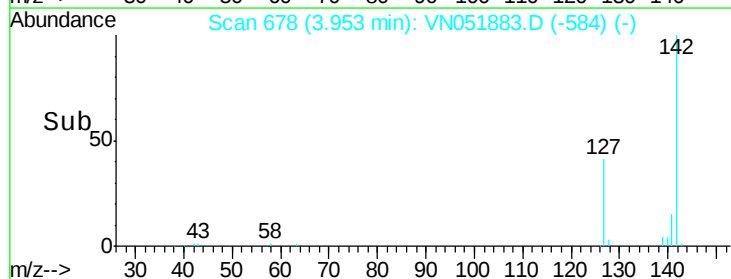
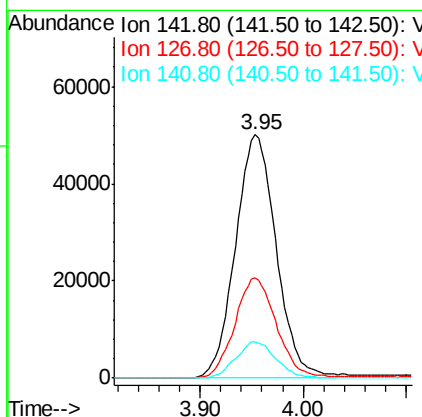
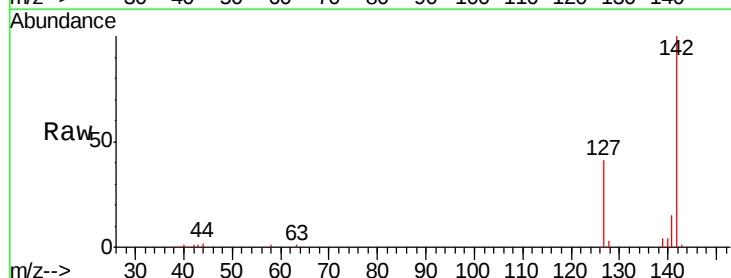
RT: 3.95 min Scan# 678

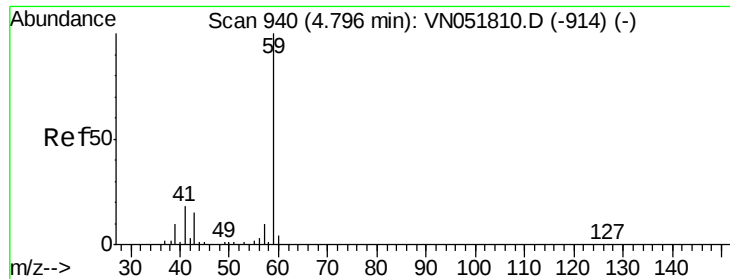
Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Tgt Ion:	142	Resp:	137488
Ion Ratio	Lower	Upper	
142	100		
127	41.7	31.7	47.5
141	14.6	11.4	17.0





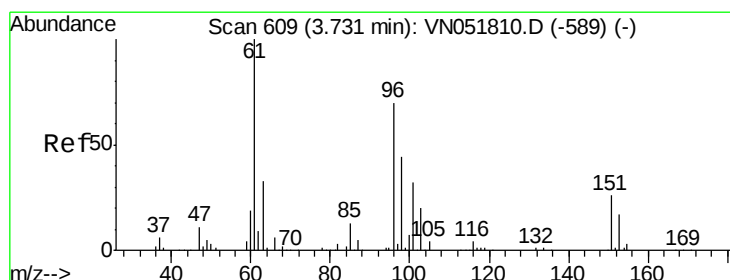
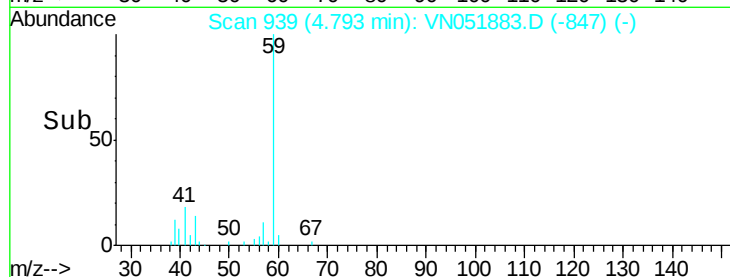
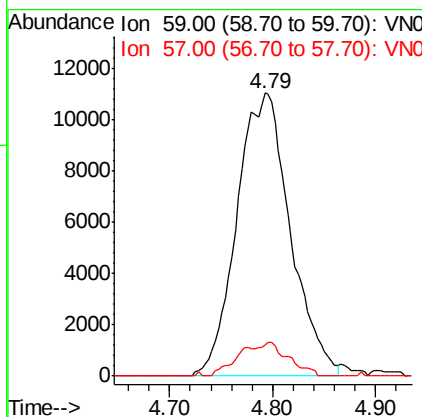
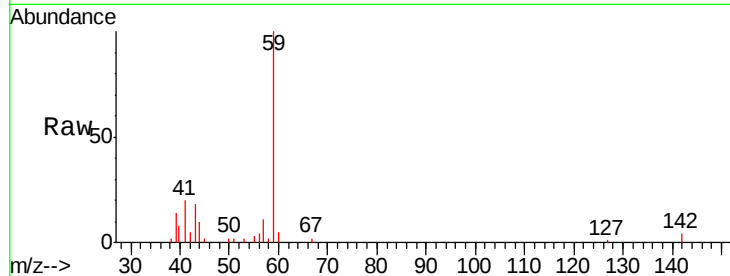
#11
Tert butyl alcohol
Concen: 64.22 ug/l
RT: 4.79 min Scan# 939
Delta R.T. -0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion: 59 Resp: 39819
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

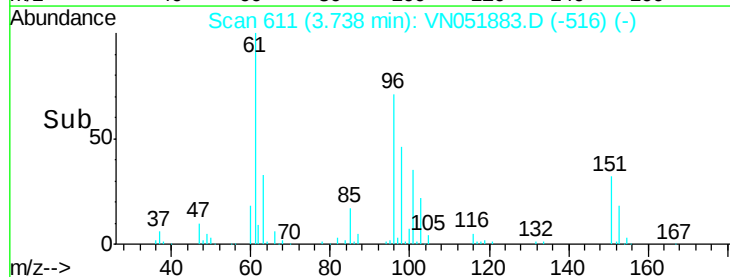
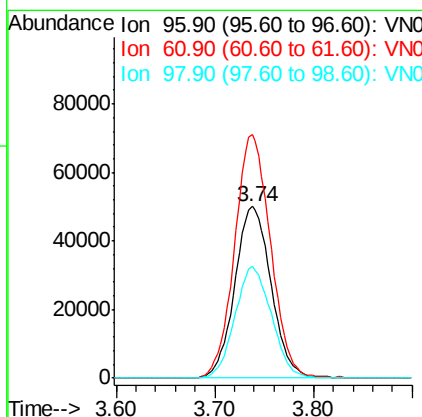
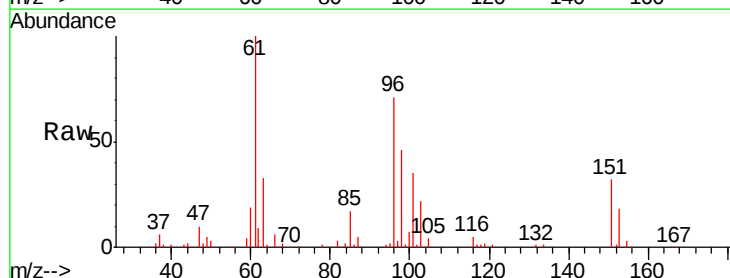
Manual Integrations
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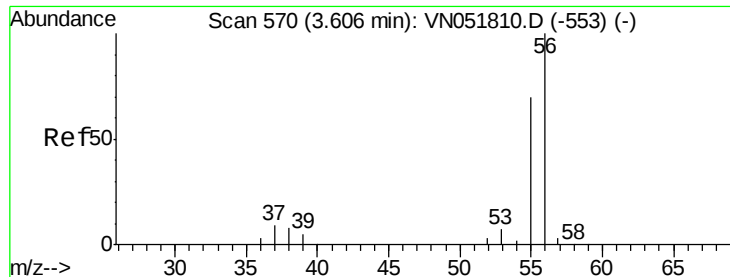
MMDadoda
10/17/2018 1:11:46 PM



#12
1,1-Dichloroethene
Concen: 20.19 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion: 96 Resp: 127844
Ion Ratio Lower Upper
96 100
61 141.8 124.9 187.3
98 64.8 51.1 76.7





#13

Acrolein

Concen: 66.00 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 56 Resp: 33988

Ion Ratio Lower Upper

56 100

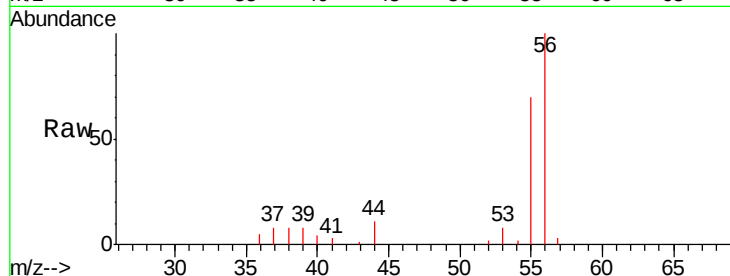
55 73.1 57.7 86.5

Manual Integrations

APPROVED

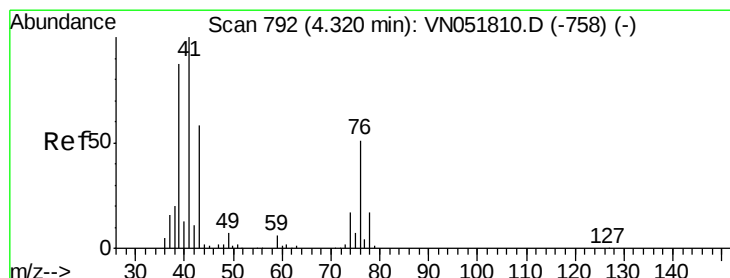
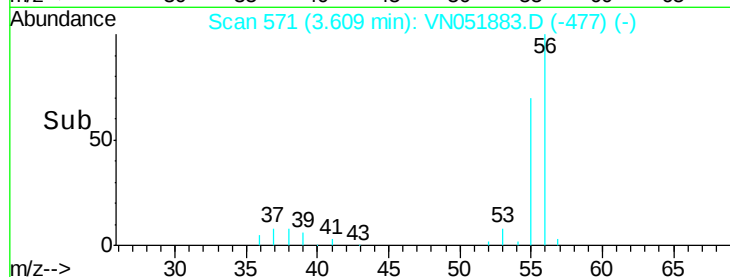
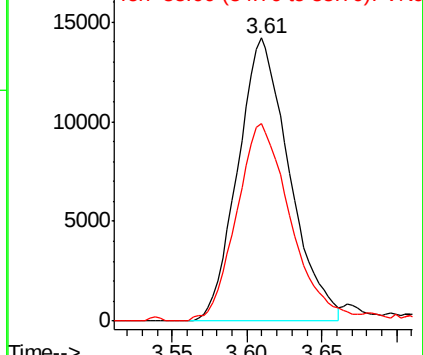
MMDadoda

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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: 18.28 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

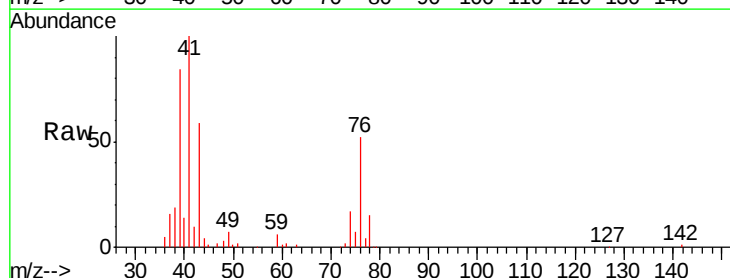
Tgt Ion: 41 Resp: 145329

Ion Ratio Lower Upper

41 100

39 81.4 50.2 75.2#

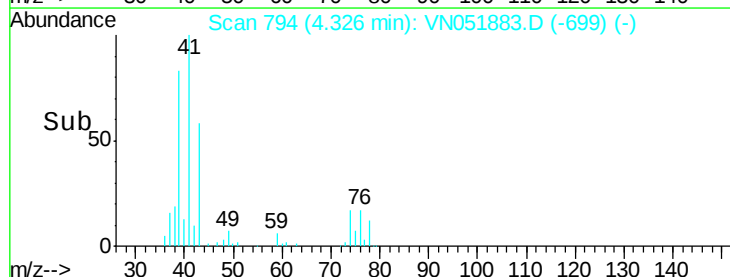
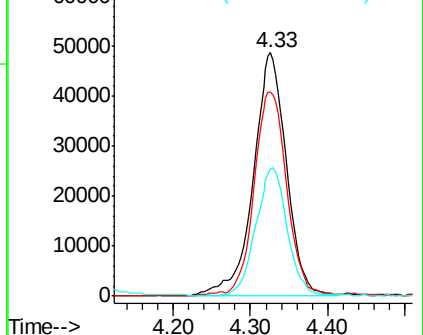
76 50.0 29.8 44.8#

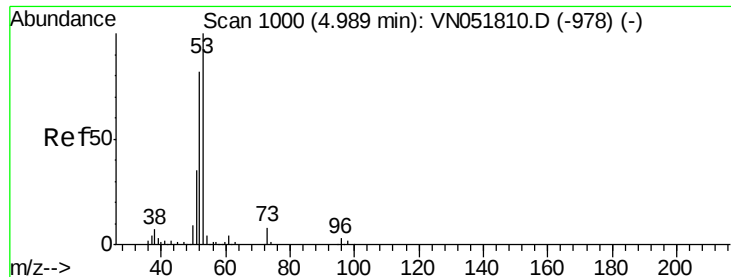


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 85.06 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

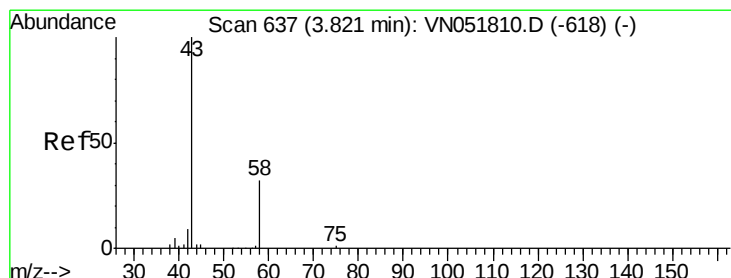
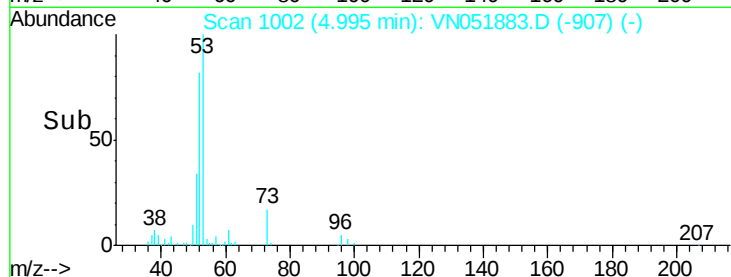
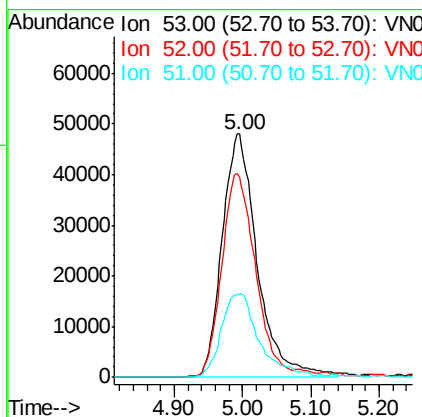
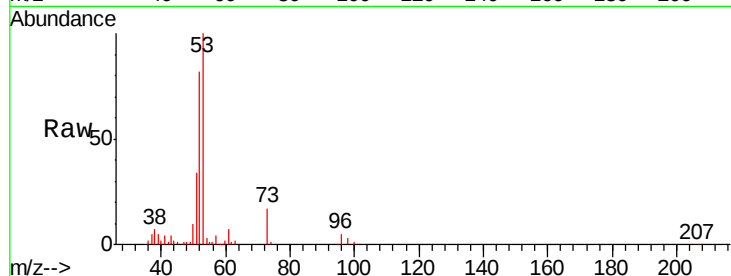
ClientSampleId :

VN1016WBS01

Tgt Ion:	53	Resp:	171674
Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.9	98.9
51	36.2	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 71.47 ug/l

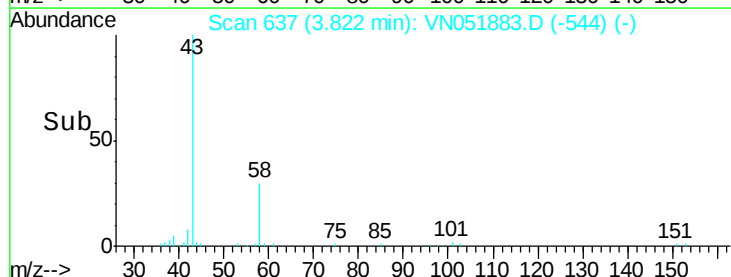
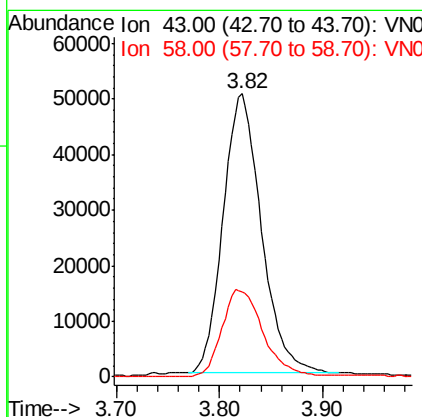
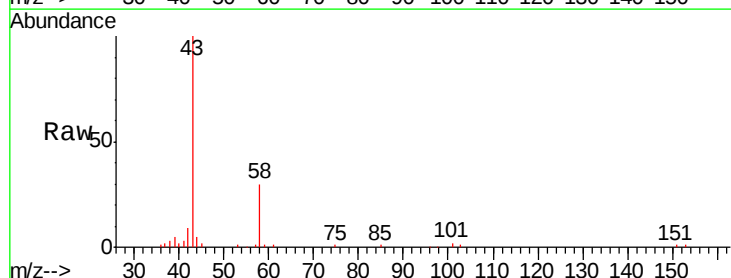
RT: 3.82 min Scan# 637

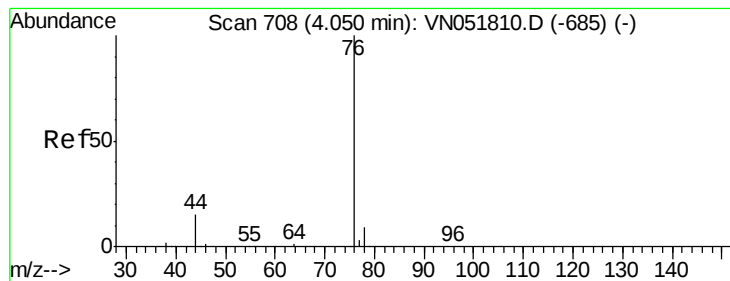
Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Tgt Ion:	43	Resp:	129951
Ion	Ratio	Lower	Upper
43	100		
58	30.3	27.2	40.8





#17

Carbon Disulfide

Concen: 17.87 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 76 Resp: 306195

Ion Ratio Lower Upper

76 100

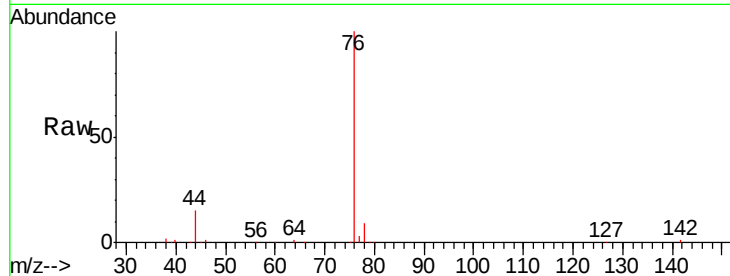
78 8.9 7.3 10.9

Manual Integrations

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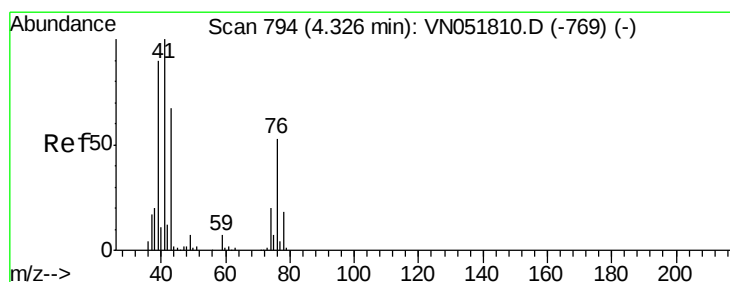
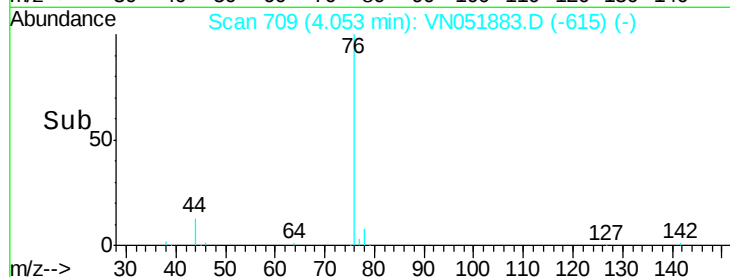
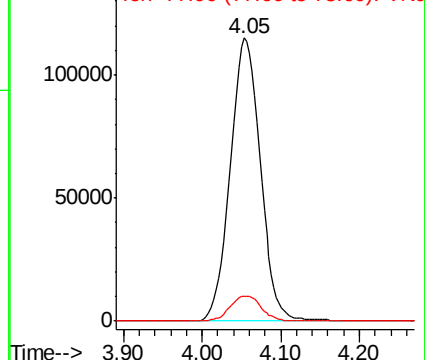
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 16.68 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051883.D

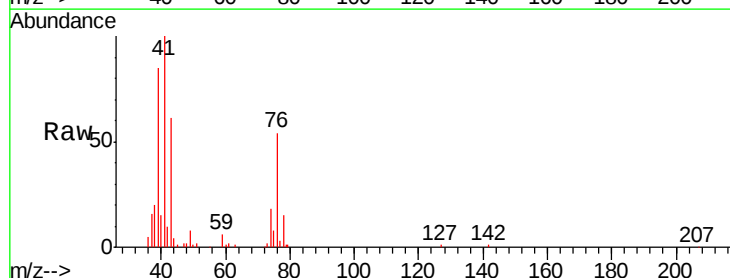
Acq: 16 Oct 2018 9:57

Tgt Ion: 43 Resp: 83058

Ion Ratio Lower Upper

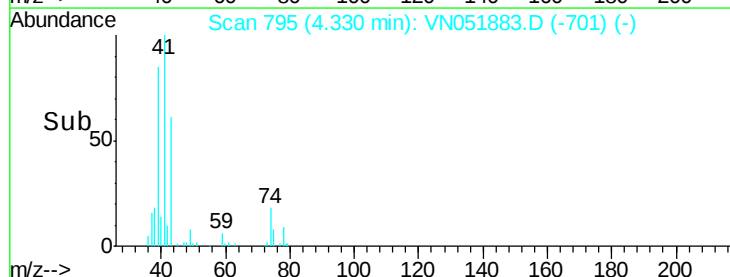
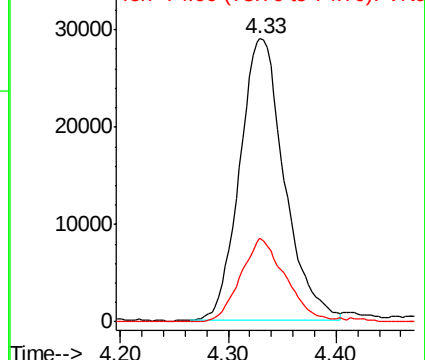
43 100

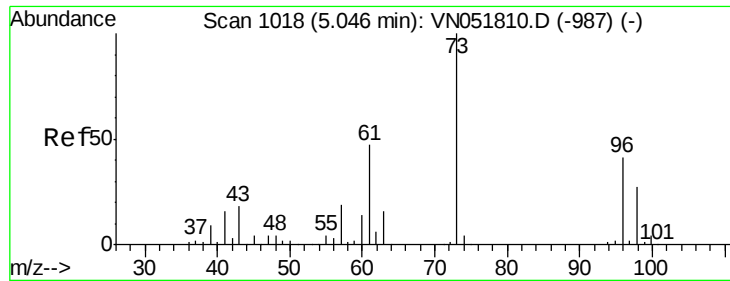
74 29.9 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





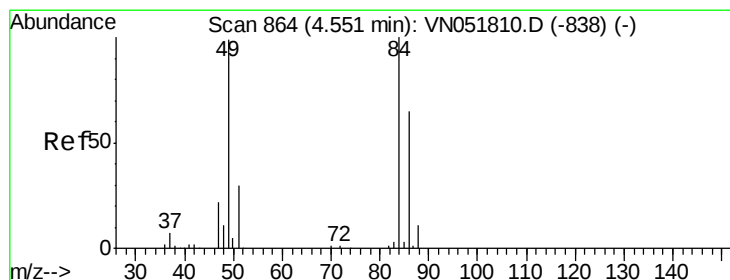
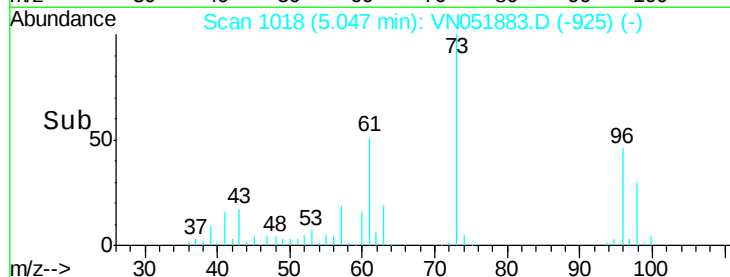
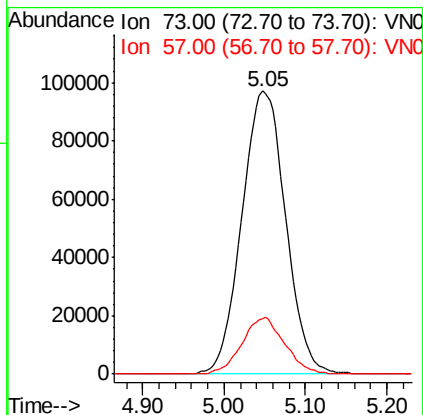
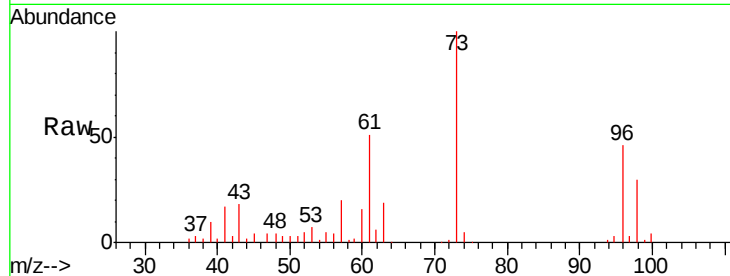
#19
Methyl tert-butyl Ether
Concen: 18.12 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion: 73 Resp: 361145
Ion Ratio Lower Upper
73 100
57 19.6 17.8 26.8

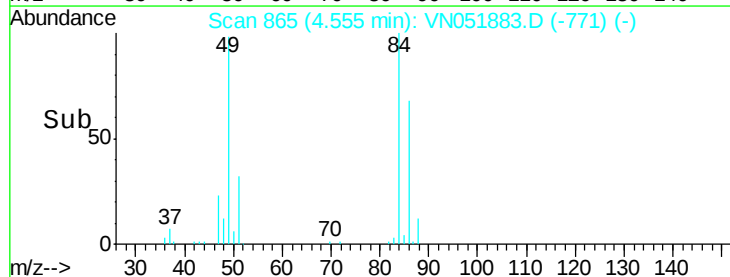
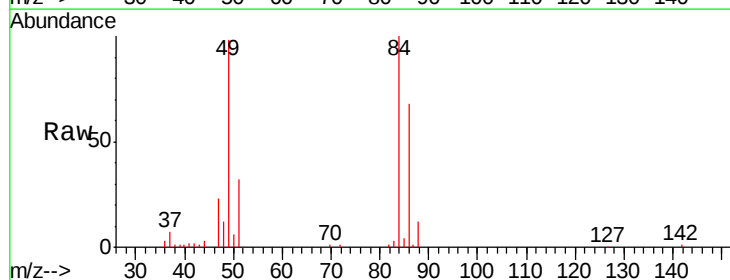
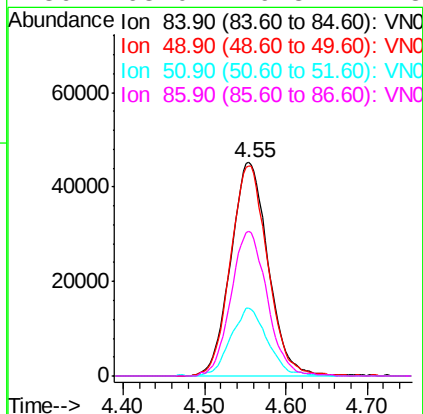
Manual Integrations
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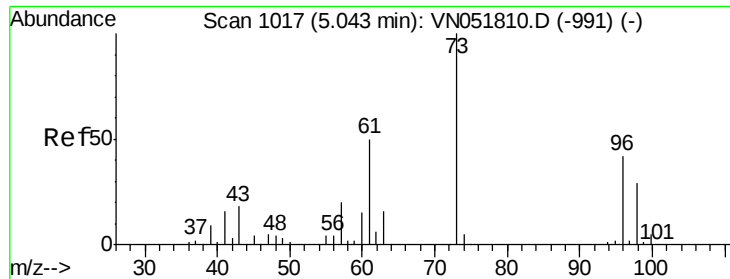
MMDadoda
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#20
Methylene Chloride
Concen: 19.14 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion: 84 Resp: 143998
Ion Ratio Lower Upper
84 100
49 98.2 93.2 139.8
51 32.0 29.0 43.6
86 68.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.41 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 96 Resp: 144288

Ion Ratio Lower Upper

96 100

61 110.8 107.4 161.0

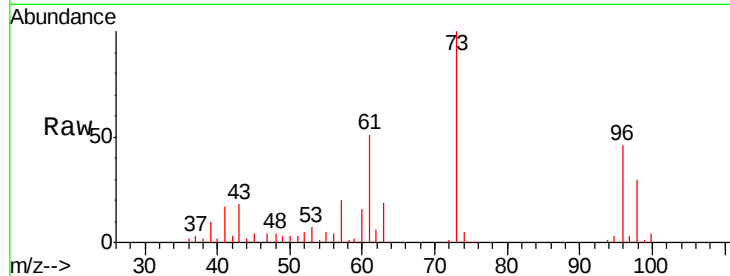
98 65.0 50.7 76.1

Manual Integrations

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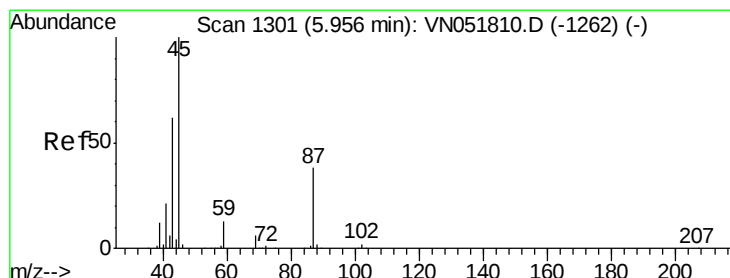
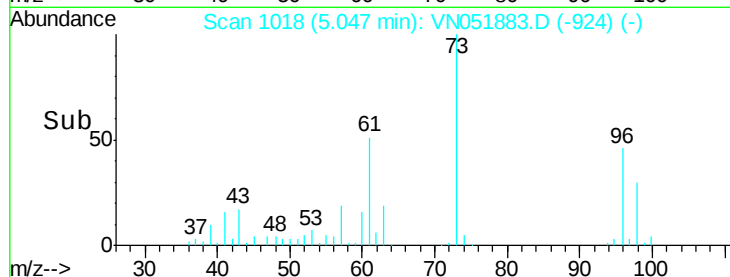
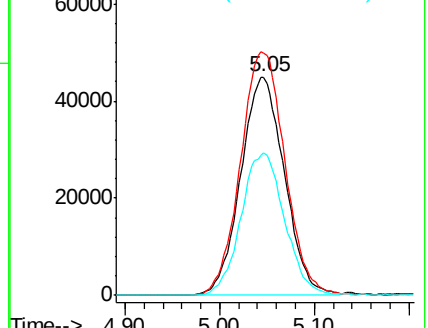
10/17/2018 1:11:46 PM



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: 18.92 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Tgt Ion: 45 Resp: 332346

Ion Ratio Lower Upper

45 100

43 64.6 45.9 68.9

87 38.6 22.7 34.1#

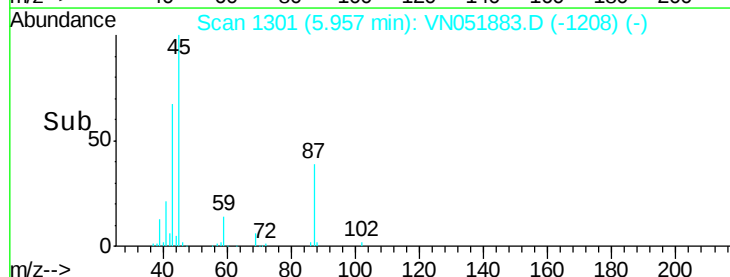
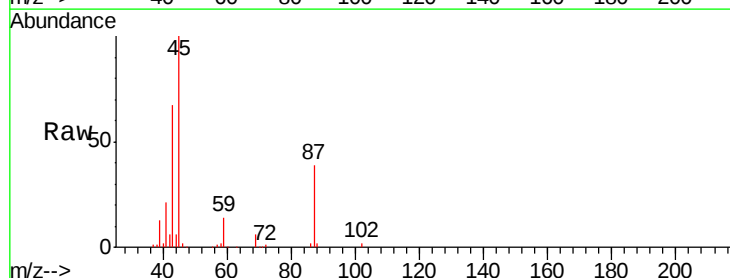
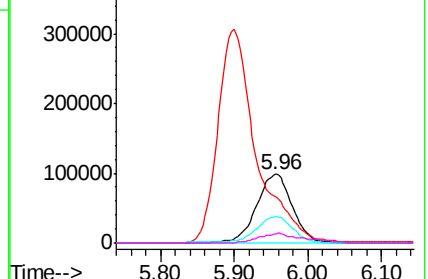
59 13.5 9.3 13.9

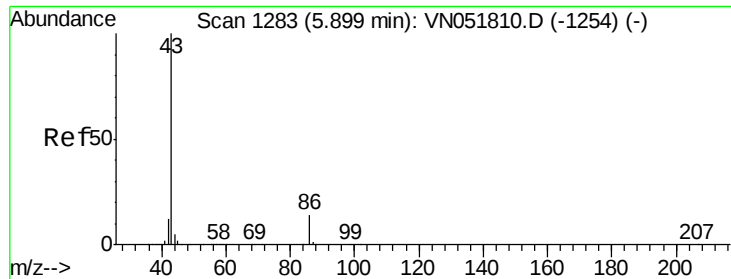
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 86.11 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 43 Resp: 1106540

Ion Ratio Lower Upper

43 100

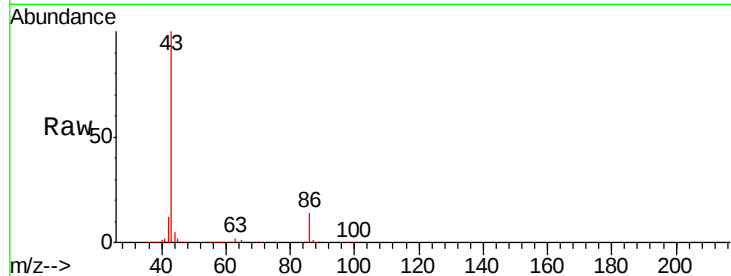
86 14.1 8.7 13.1#

Manual Integrations

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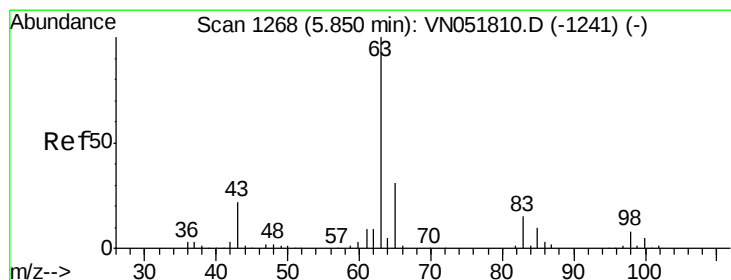
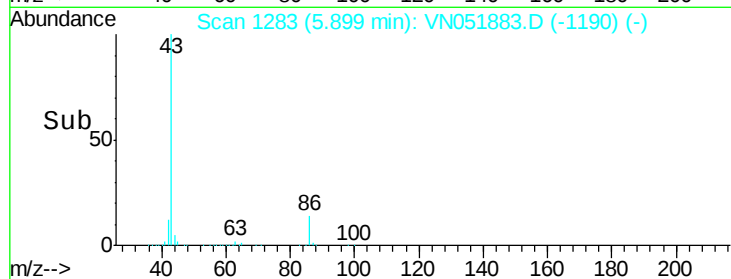
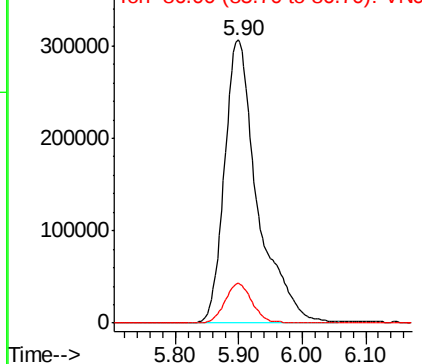
MMDadoda

10/17/2018 1:11:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.01 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

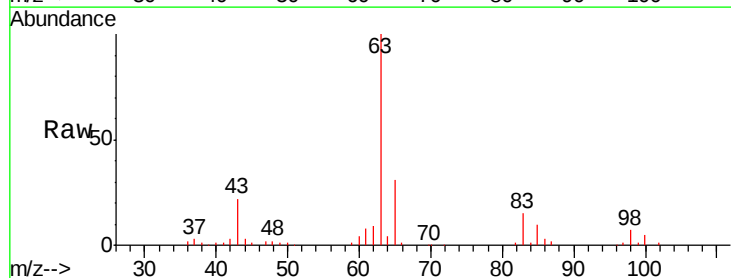
Tgt Ion: 63 Resp: 241495

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

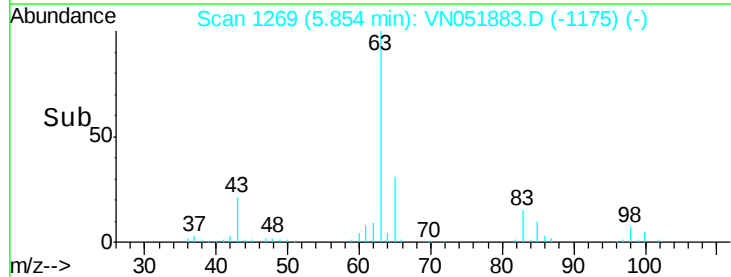
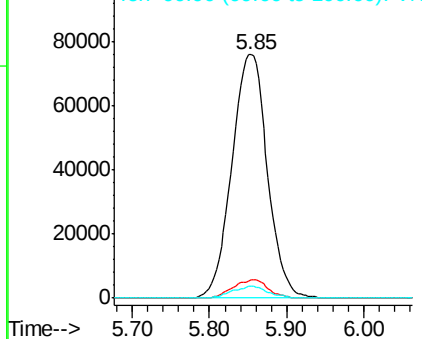
100 5.1 2.1 6.5

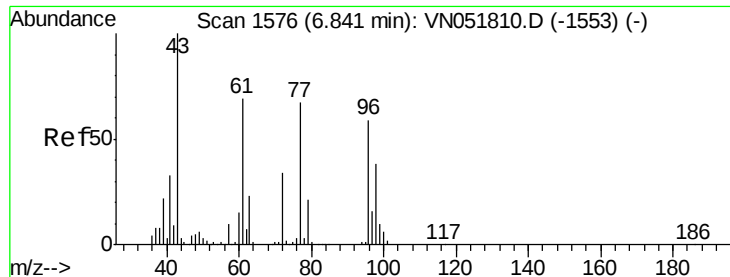


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 72.79 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 43 Resp: 187008

Ion Ratio Lower Upper

43 100

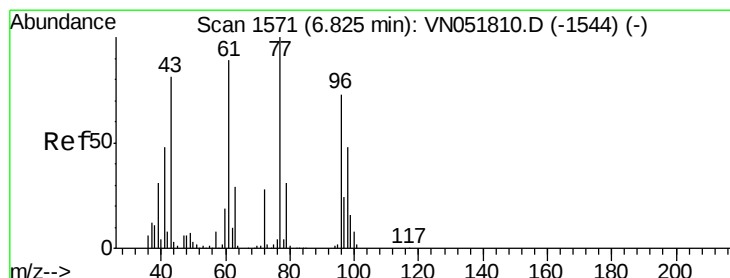
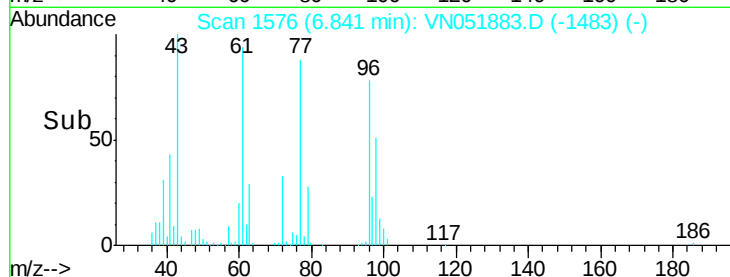
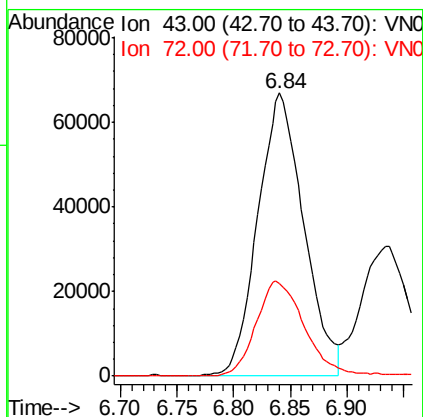
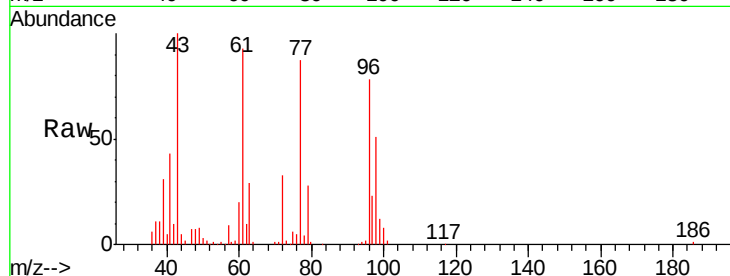
72 32.7 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 18.45 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051883.D

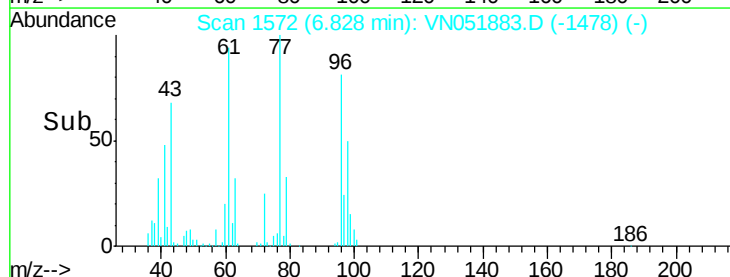
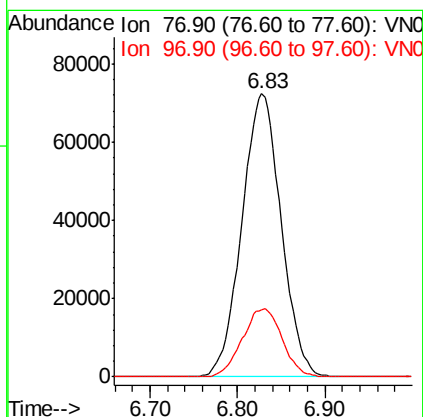
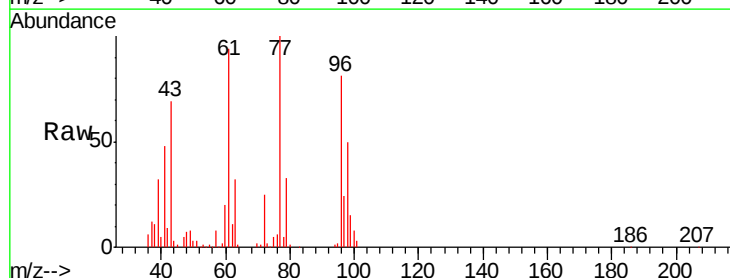
Acq: 16 Oct 2018 9:57

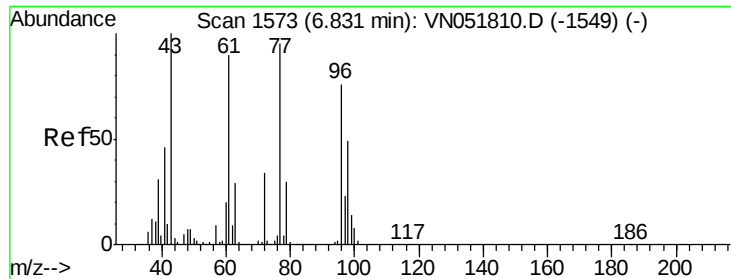
Tgt Ion: 77 Resp: 225367

Ion Ratio Lower Upper

77 100

97 24.5 12.0 36.0





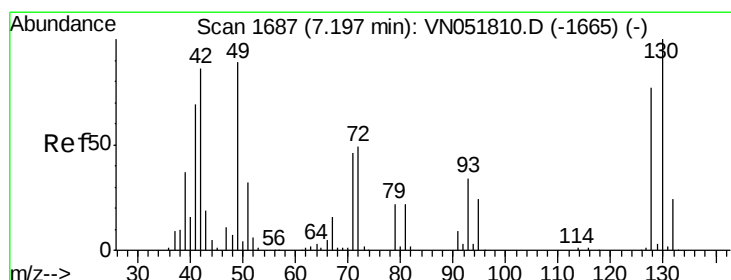
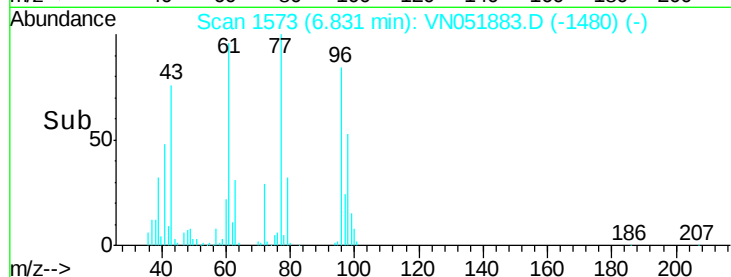
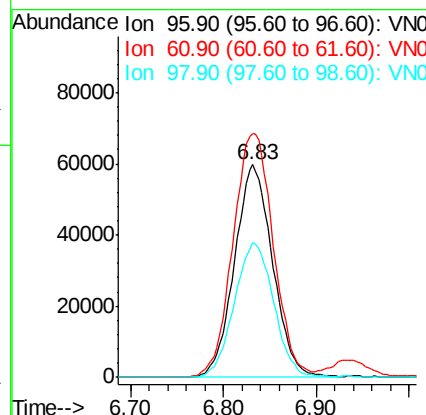
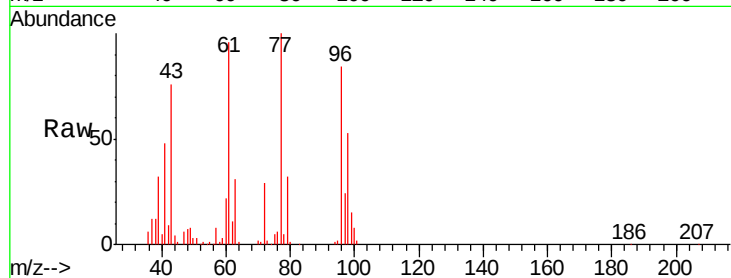
#27
 cis-1,2-Dichloroethene
 Concen: 19.90 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	170501		
61	121.4	0.0	283.4	
98	65.4	0.0	129.8	

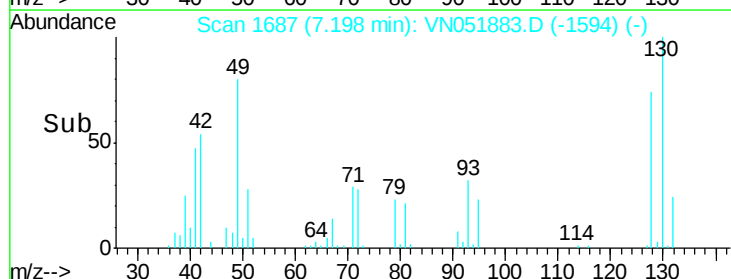
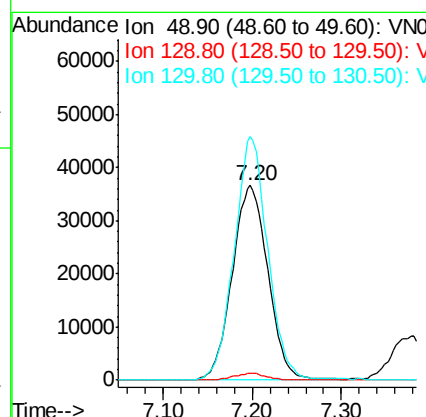
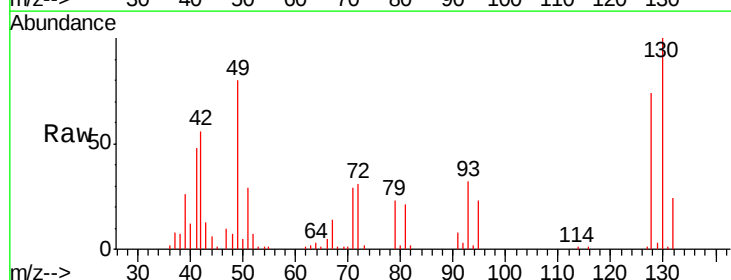
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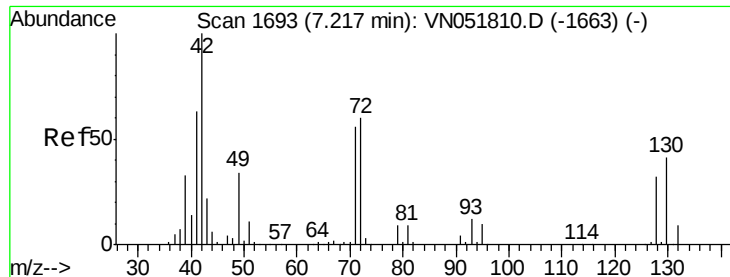
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#28
 Bromochloromethane
 Concen: 20.10 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	101761		
129	3.1	0.0	4.2	
130	117.3	67.1	100.7#	





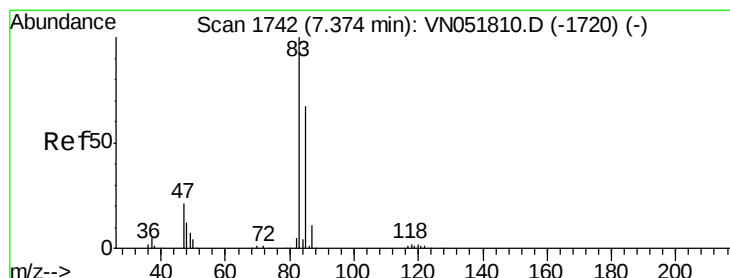
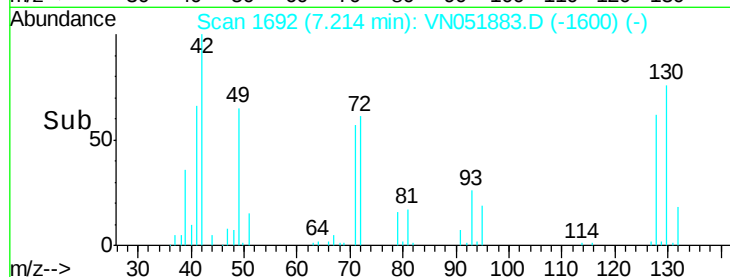
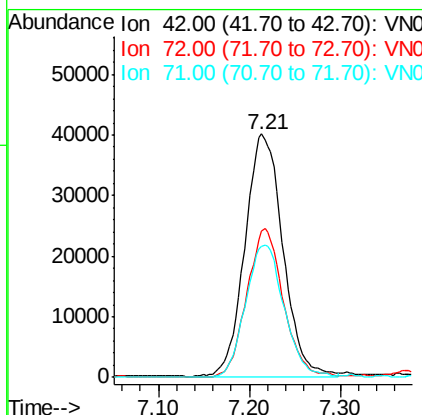
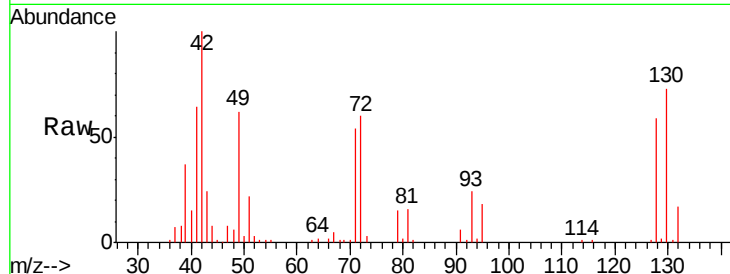
#29
Tetrahydrofuran
Concen: 75.61 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampled :
VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	59.1	35.5	53.3#
71	55.5	33.7	50.5#

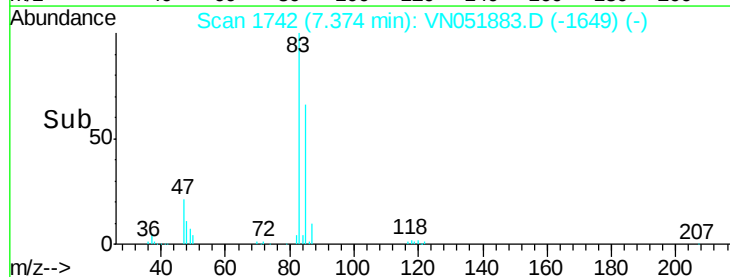
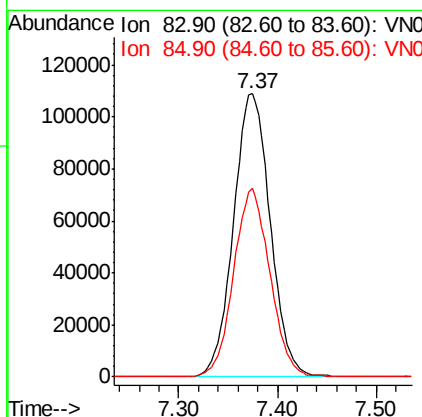
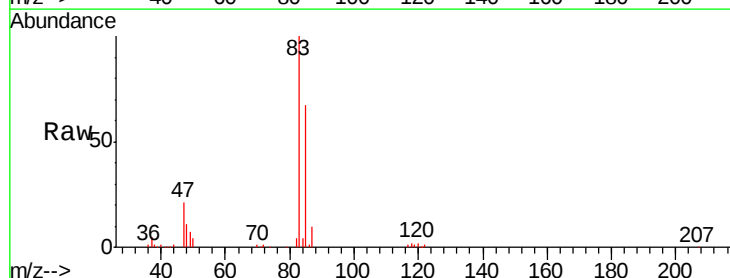
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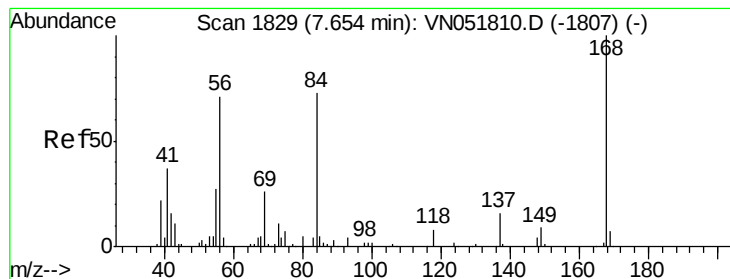
MMDadoda
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#30
Chloroform
Concen: 19.52 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.2	78.4





#31

Cyclohexane

Concen: 19.07 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 56 Resp: 207229
Ion Ratio Lower Upper

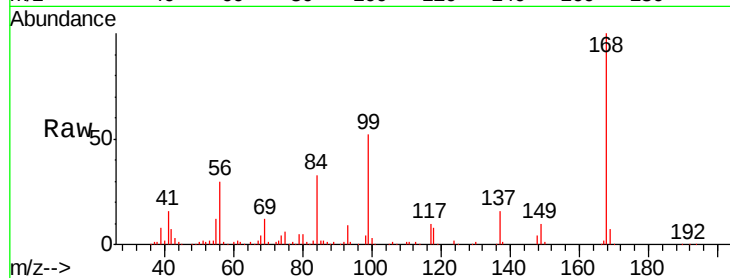
56 100

69 41.5 26.2 39.4#

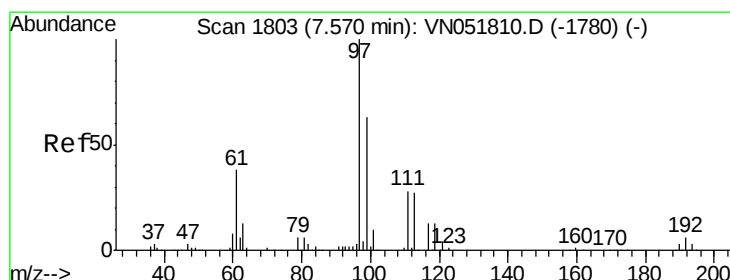
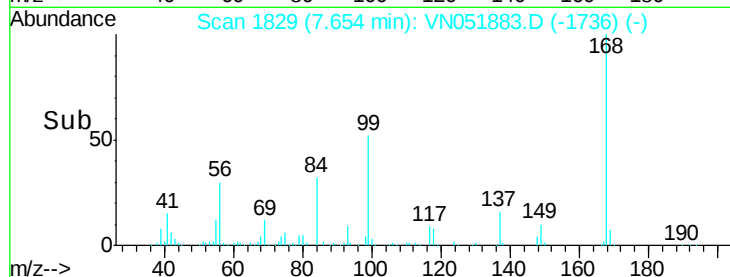
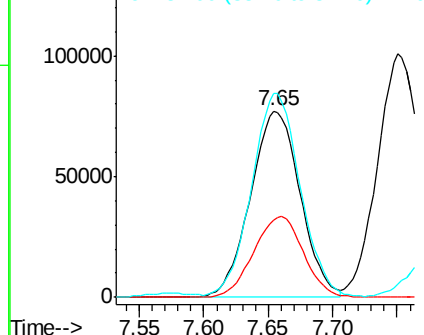
84 108.0 68.3 102.5#

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 19.30 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051883.D

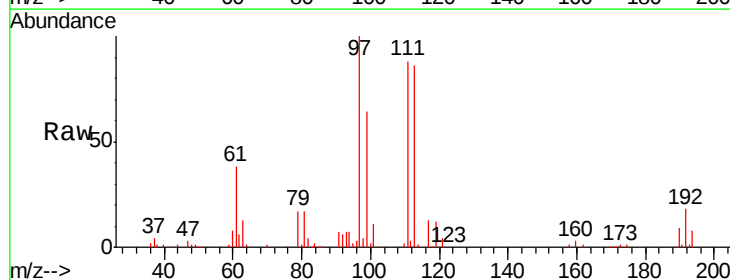
Acq: 16 Oct 2018 9:57

Tgt Ion: 97 Resp: 261454
Ion Ratio Lower Upper

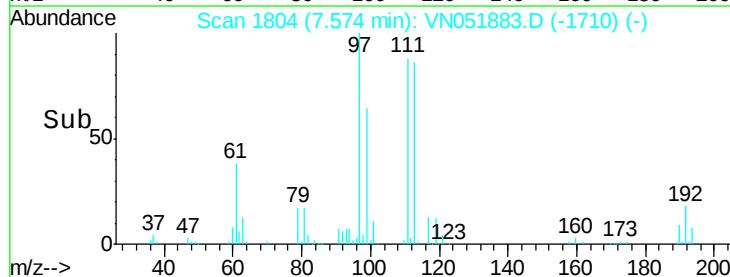
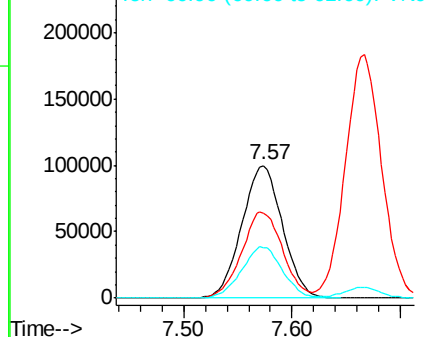
97 100

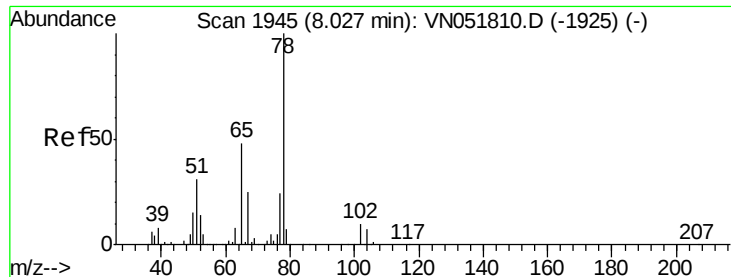
99 65.5 51.8 77.6

61 39.0 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





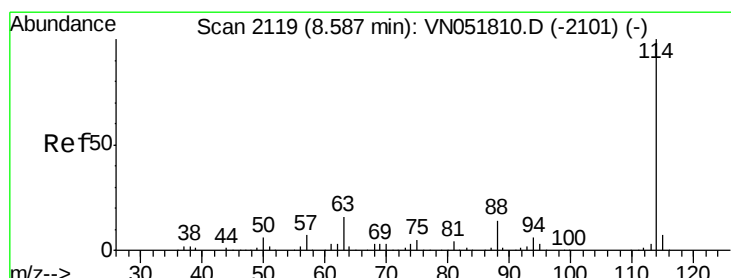
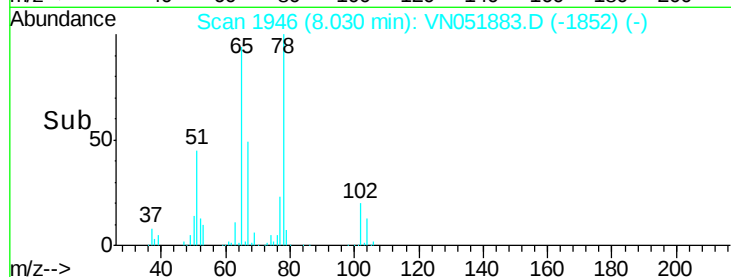
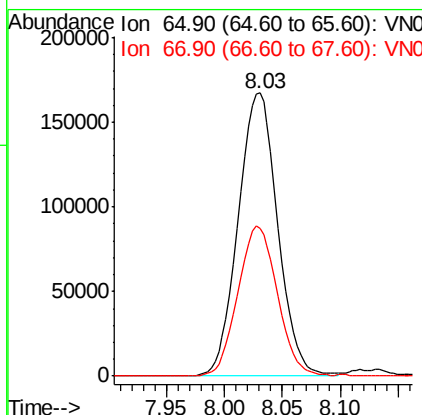
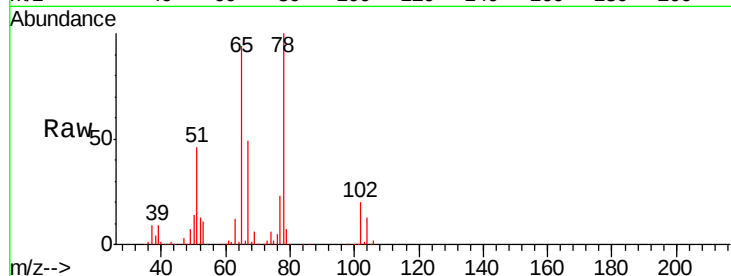
#33
 1,2-Dichloroethane-d4
 Concen: 19.30 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion: 65 Resp: 396743
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 110.4

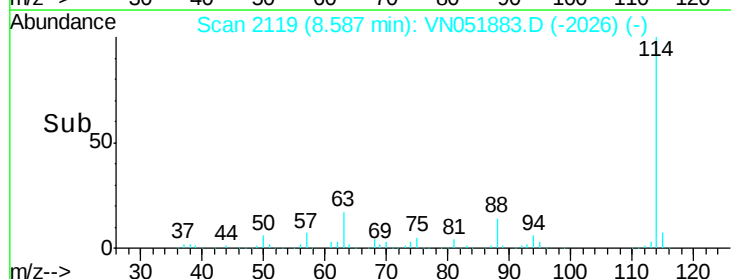
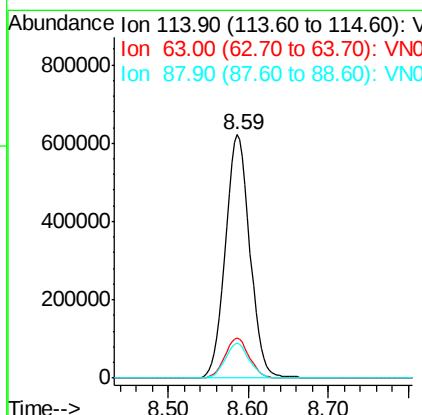
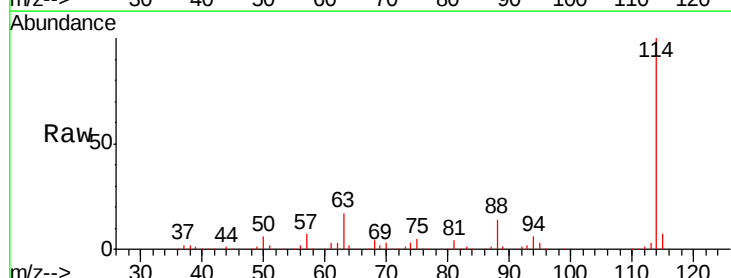
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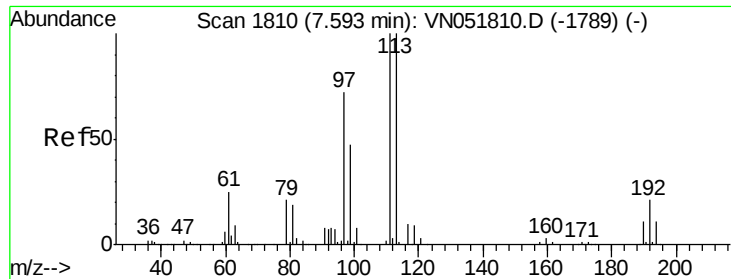
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion: 114 Resp: 1301156
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 38.6
 88 14.3 0.0 30.6





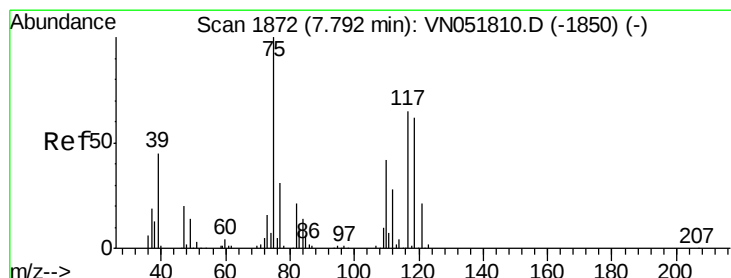
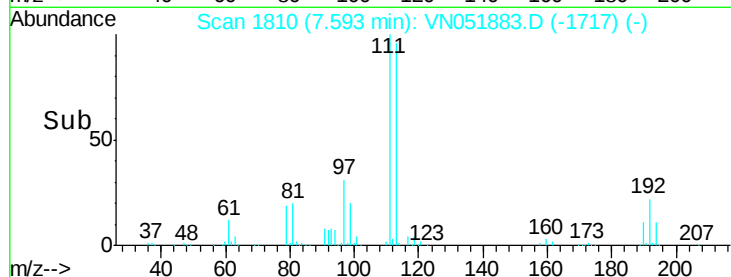
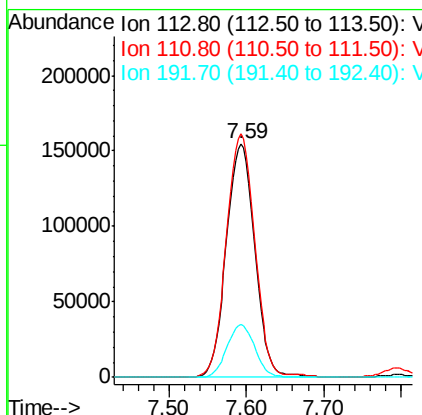
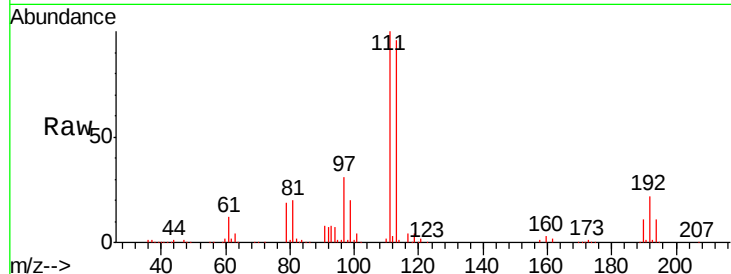
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	395860		
111	103.3	82.6	123.8	
192	22.0	18.0	27.0	

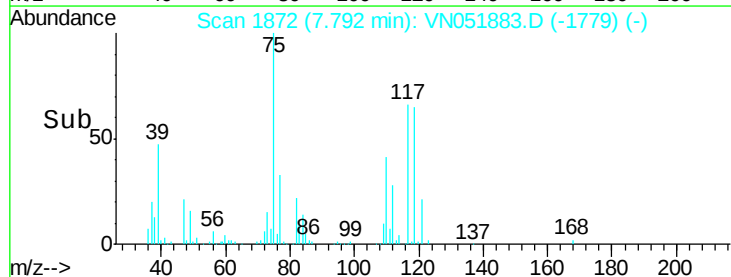
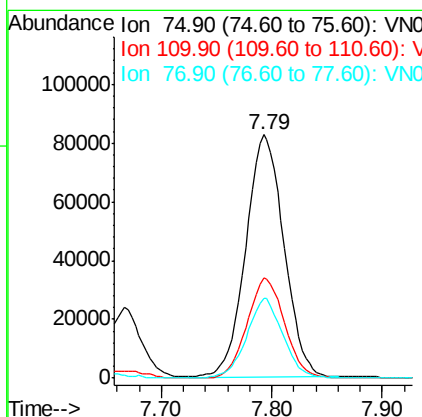
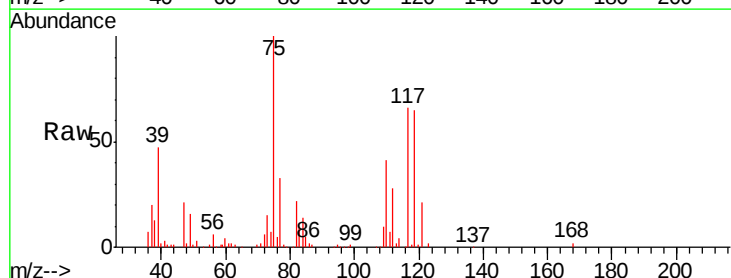
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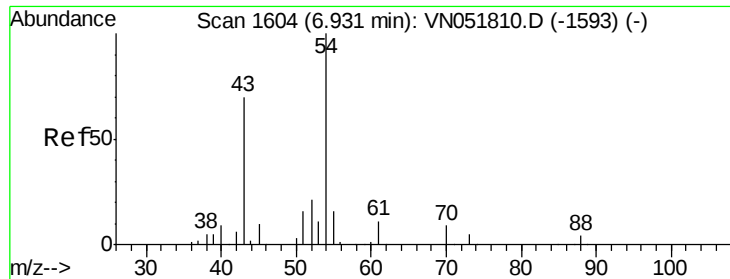
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#36
 1,1-Dichloropropene
 Concen: 18.77 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197684		
110	40.8	18.1	54.4	
77	31.4	24.8	37.2	





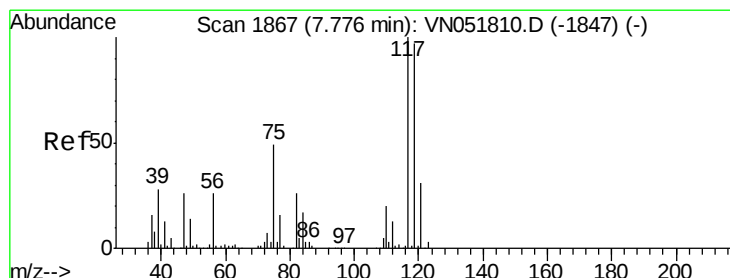
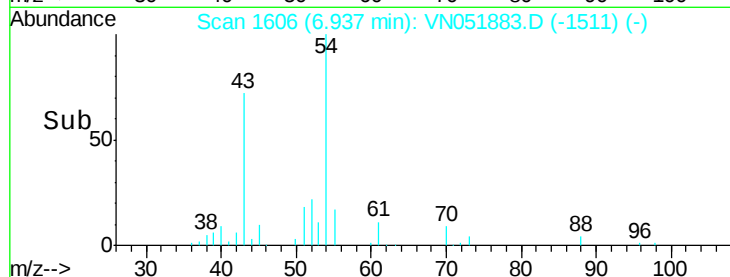
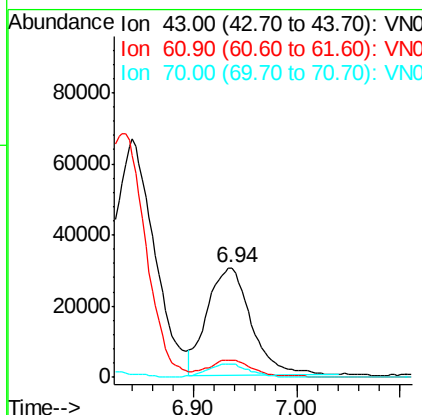
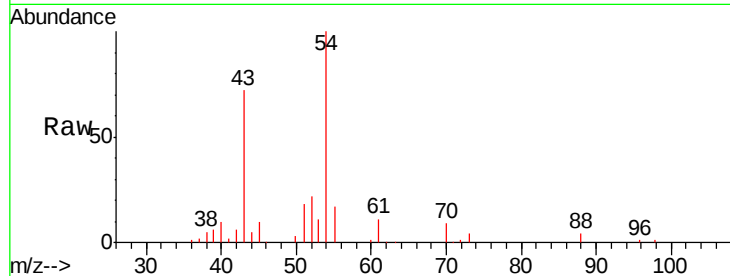
#37
Ethyl Acetate
Concen: 16.51 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.0	18.0
70	11.8	8.6	13.0

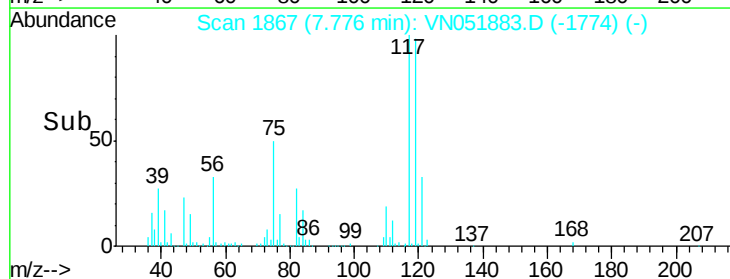
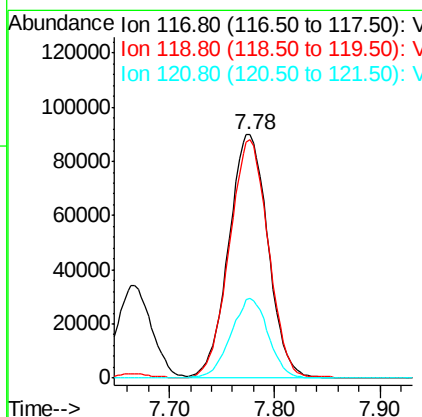
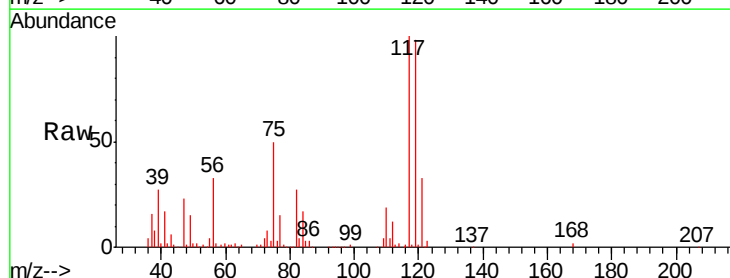
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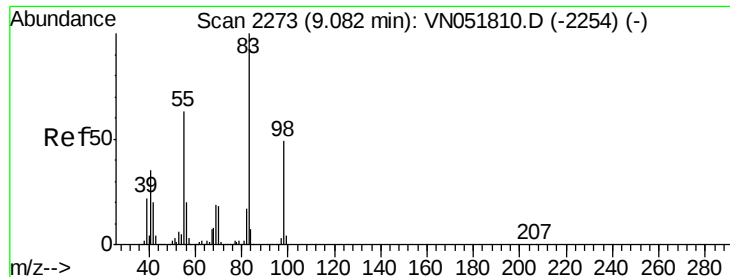
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#38
Carbon Tetrachloride
Concen: 18.93 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.3	114.5
121	33.0	24.6	36.8





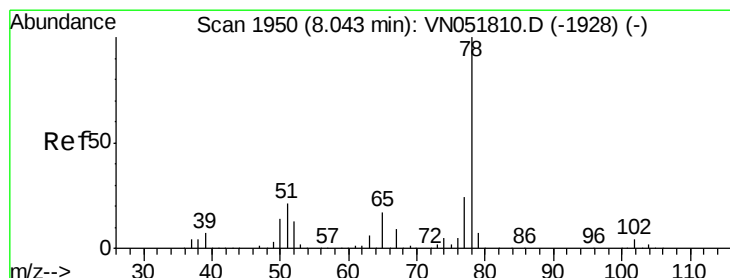
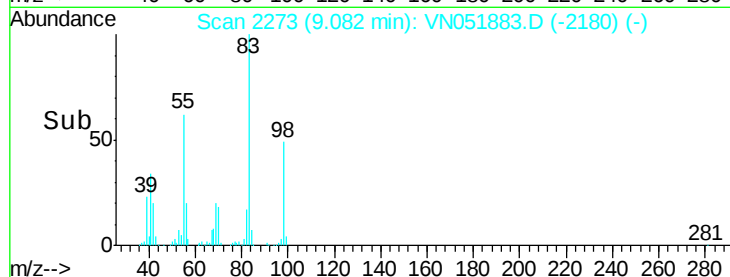
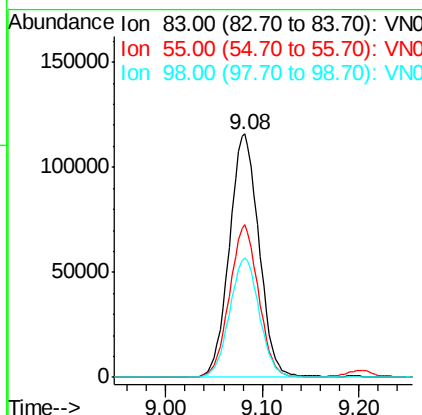
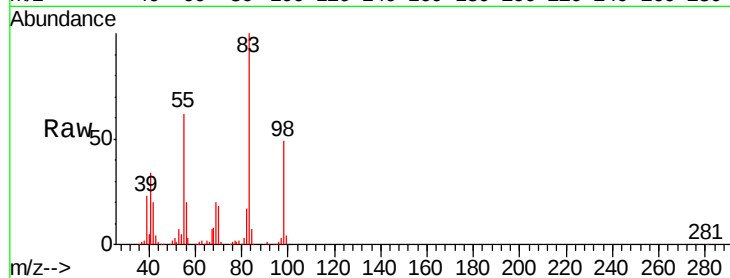
#39
Methylcyclohexane
Concen: 19.06 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	246627		
55	62.5	61.0	91.4	
98	49.3	37.5	56.3	

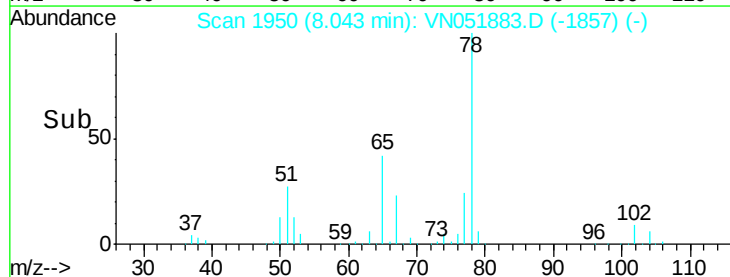
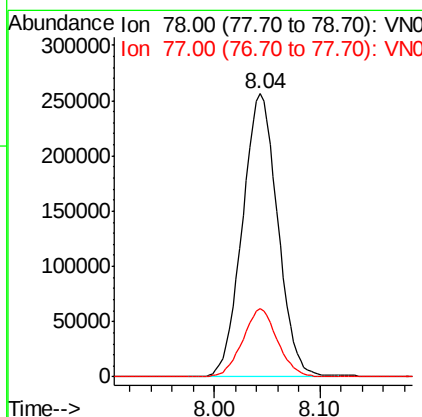
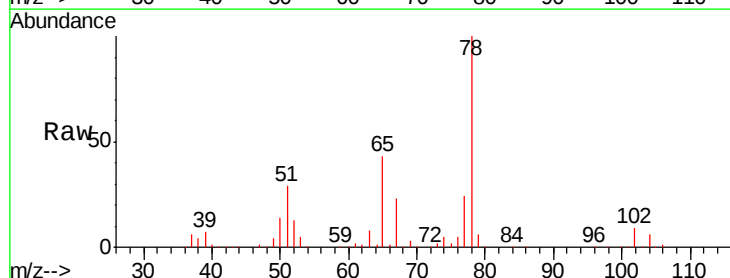
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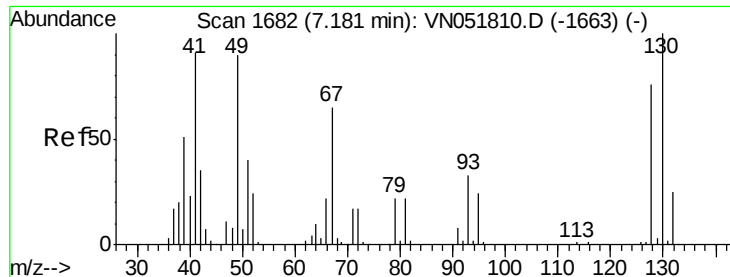
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#40
Benzene
Concen: 19.66 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	597532		
77	24.0	19.0	28.4	





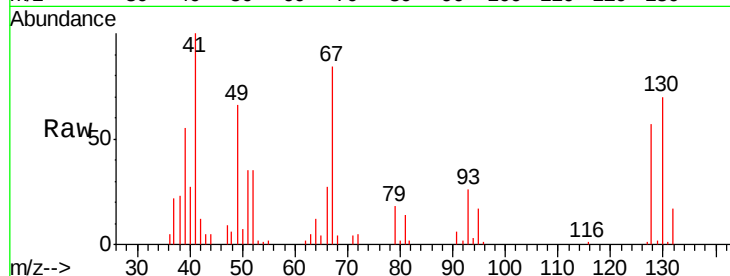
#41
Methacrylonitrile
Concen: 16.06 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.1	45.4	68.0
67	113.0	70.6	106.0
52	47.1	27.1	40.7

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10/17/2018 1:11:46 PM



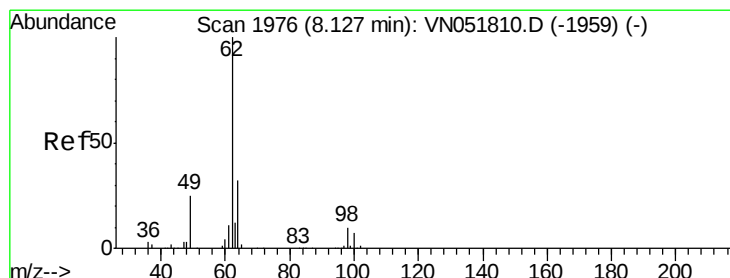
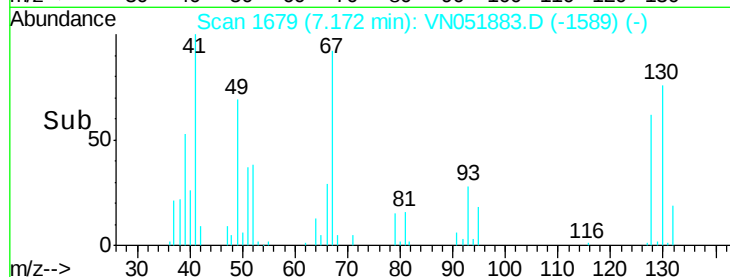
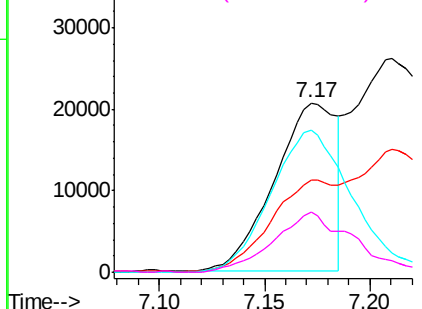
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

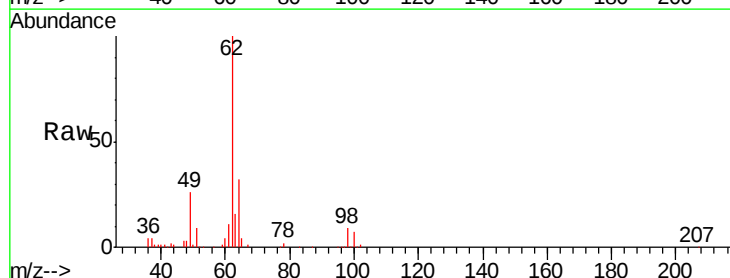
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 19.10 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

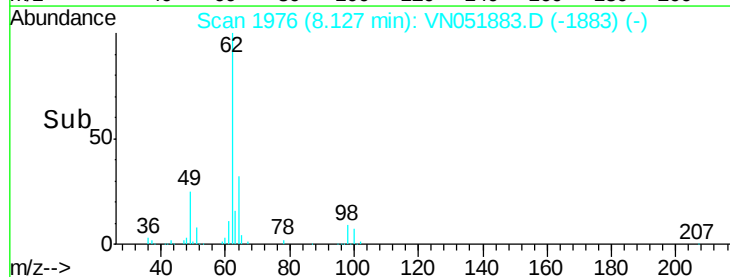
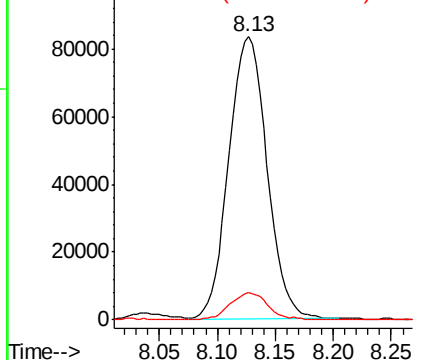
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6

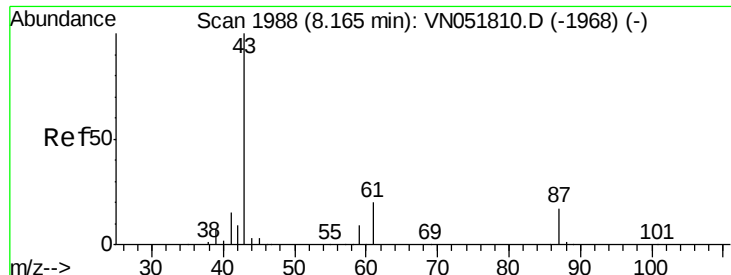


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





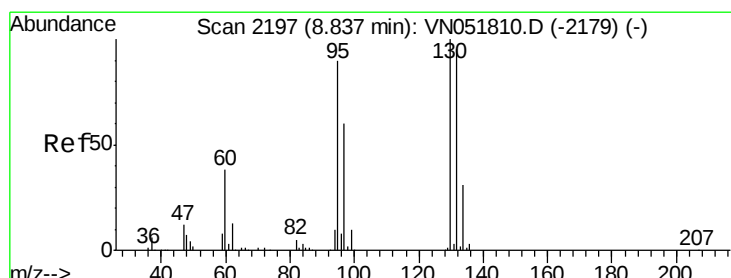
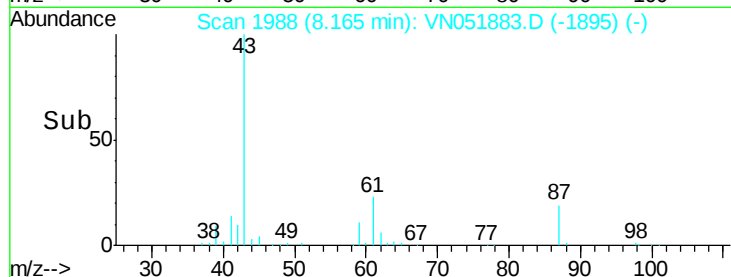
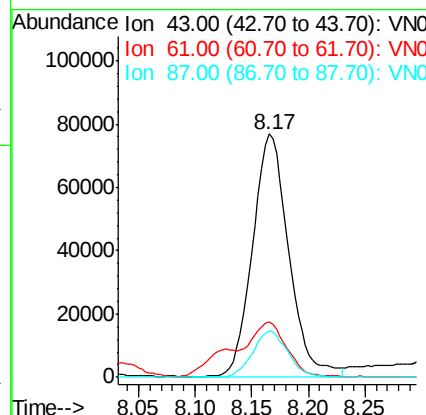
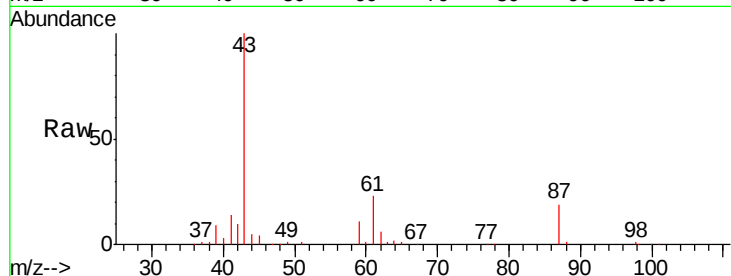
#43
Isopropyl Acetate
Concen: 15.48 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.5	26.3
87	18.4	11.3	16.9

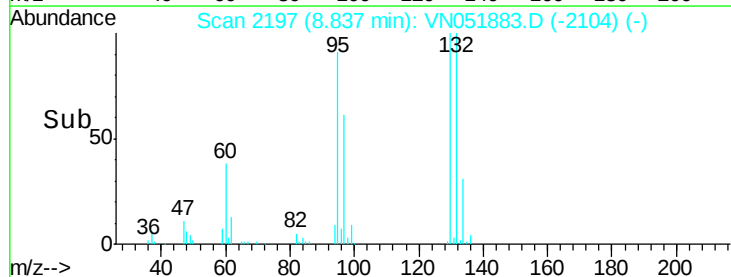
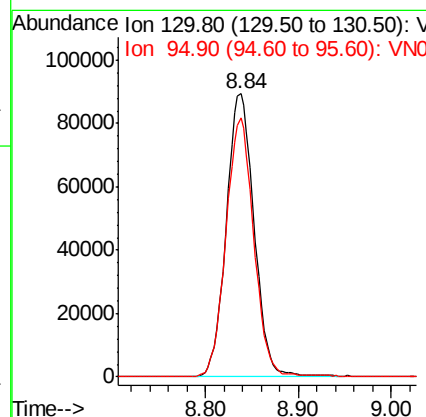
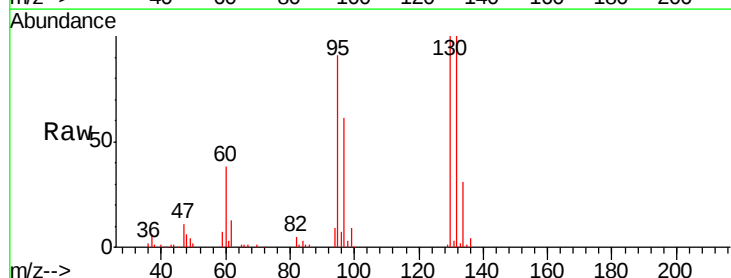
Manual Integrations
APPROVED

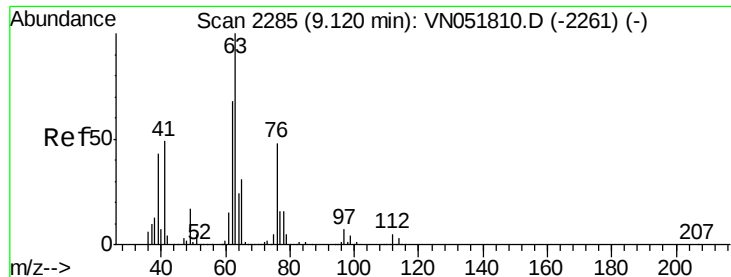
MMDadoda
10/17/2018 1:11:46 PM



#44
Trichloroethene
Concen: 20.13 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	193.0





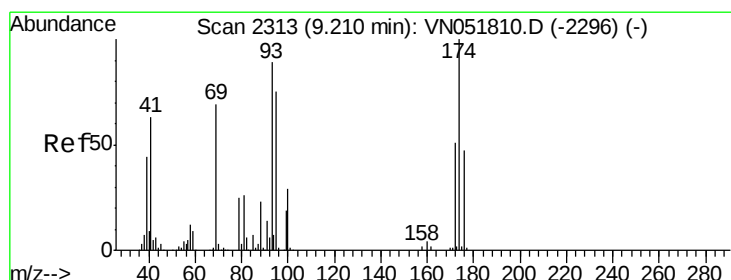
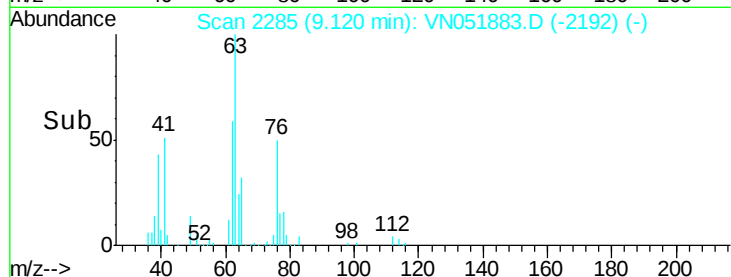
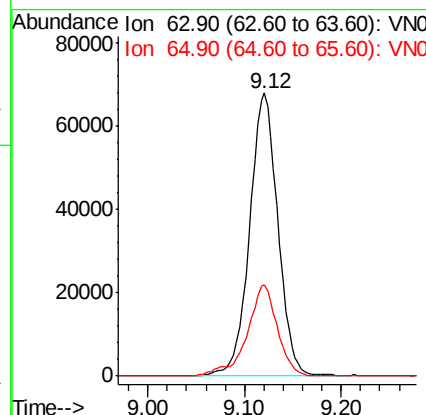
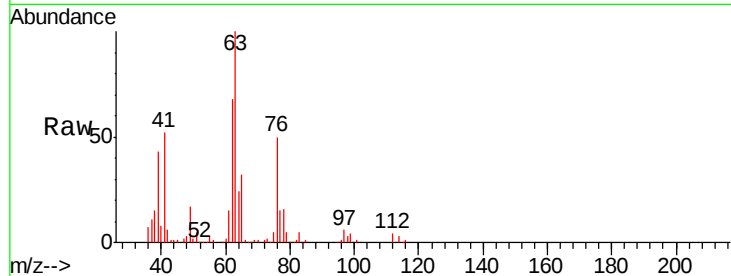
#45
 1,2-Dichloropropane
 Concen: 19.26 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion: 63 Resp: 137596
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.0 37.6

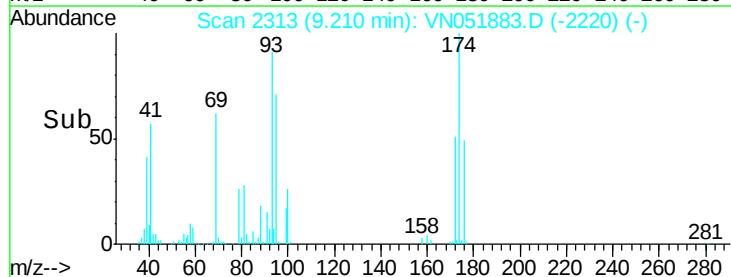
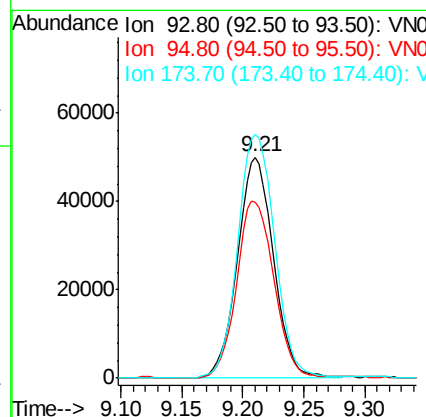
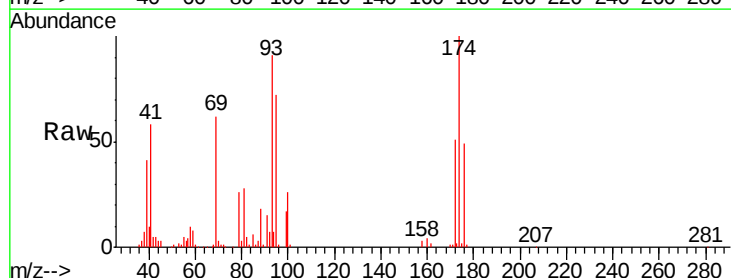
Manual Integrations
 APPROVED

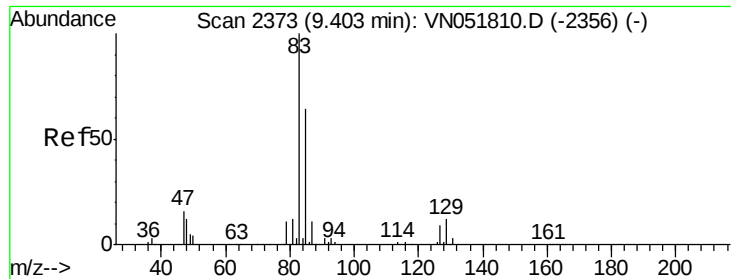
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#46
 Dibromomethane
 Concen: 18.70 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion: 93 Resp: 102536
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 113.0 89.8 134.6





#47

Bromodichloromethane

Concen: 18.96 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

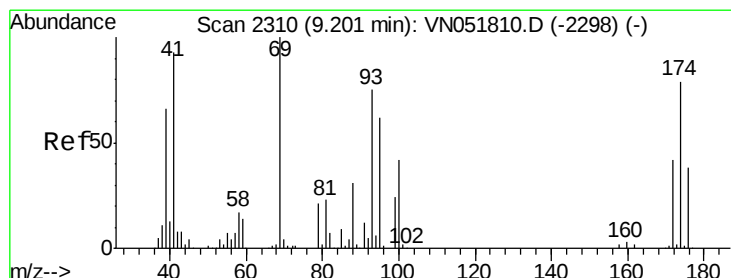
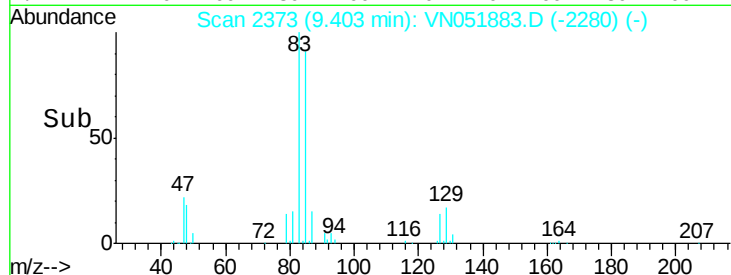
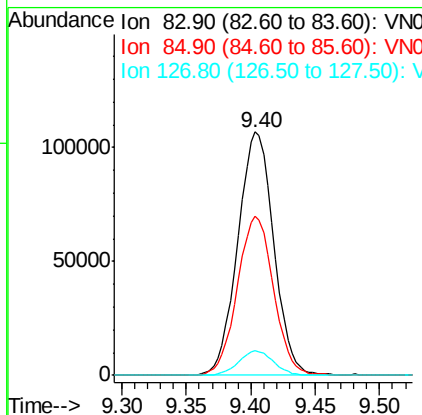
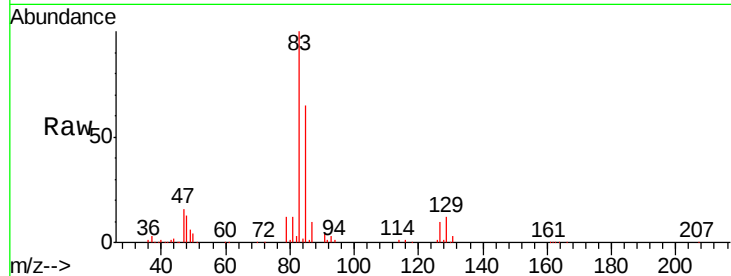
ClientSampleId :

VN1016WBS01

Tgt Ion:	83	Resp:	207716
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8
127	10.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.49 ug/l

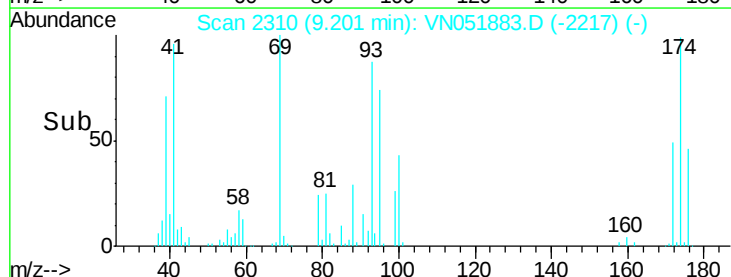
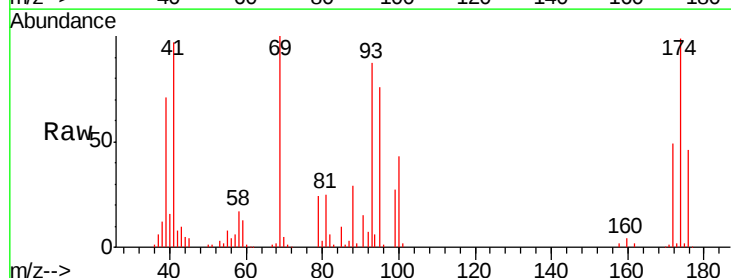
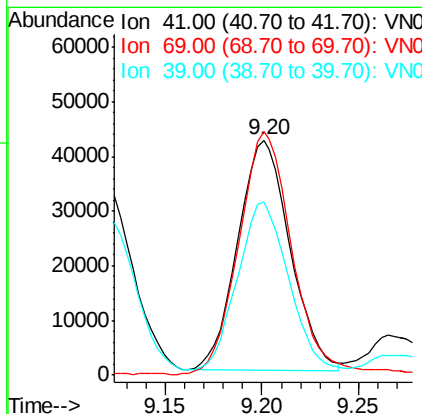
RT: 9.20 min Scan# 2310

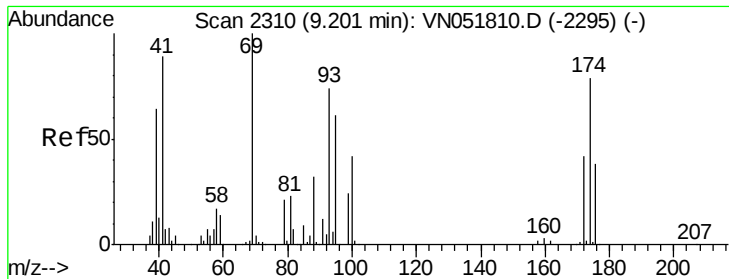
Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Tgt Ion:	41	Resp:	79465
Ion	Ratio	Lower	Upper
41	100		
69	109.0	74.7	112.1
39	74.9	42.2	63.2#





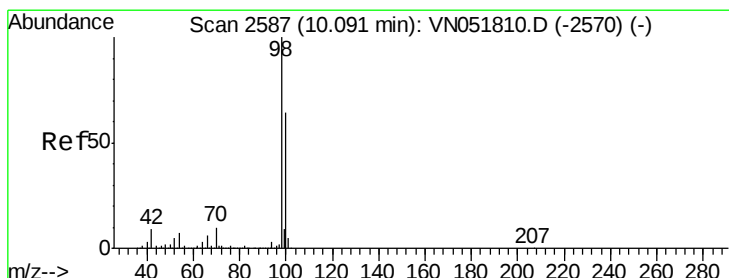
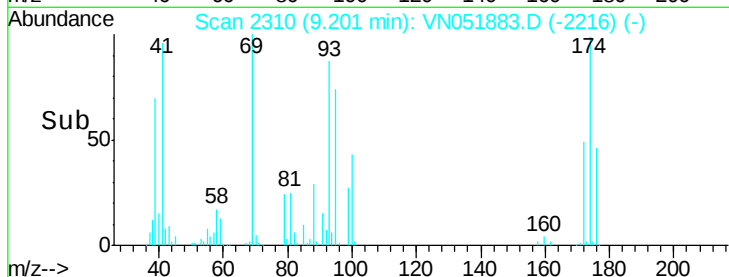
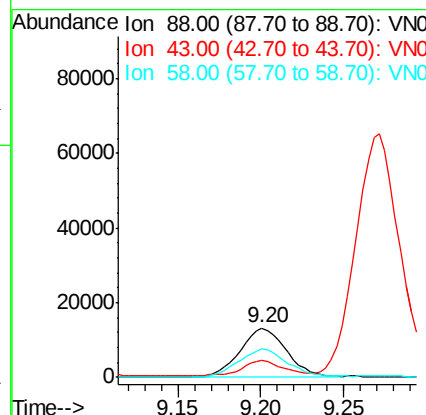
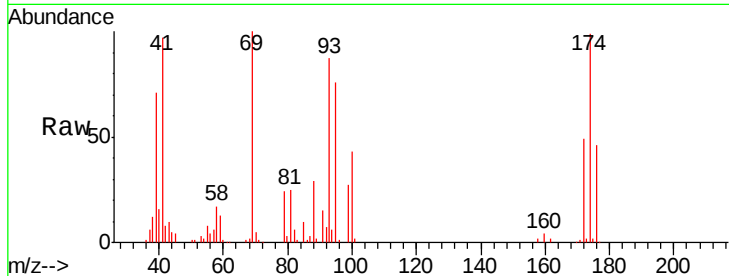
#49
1,4-Dioxane
Concen: 308.77 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	25850		
43	29.4	25.9	38.9	
58	60.6	55.0	82.4	

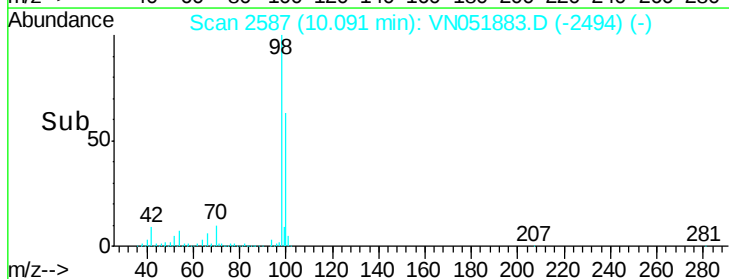
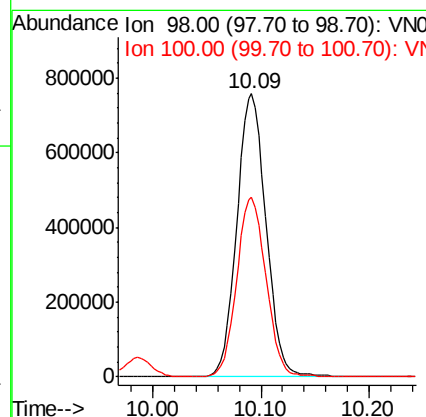
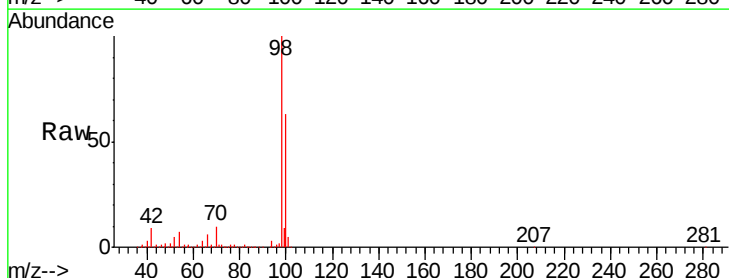
Manual Integrations
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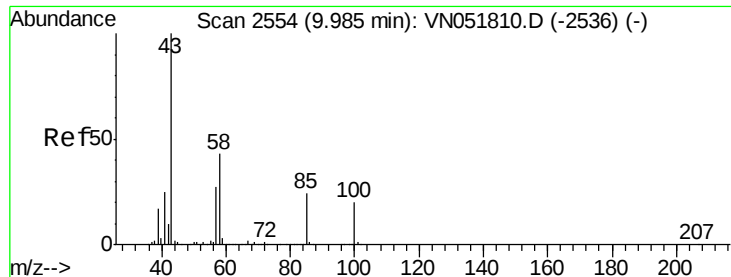
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#50
Toluene-d8
Concen: 308.77 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1432331		
100	64.0	51.5	77.3	





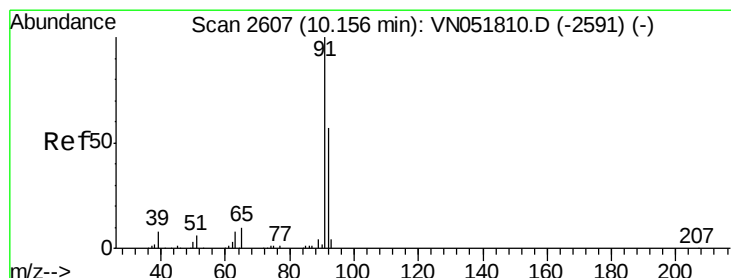
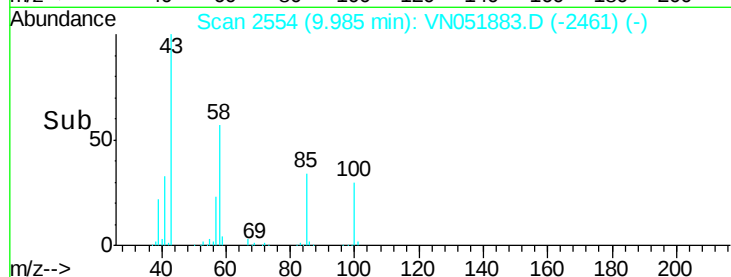
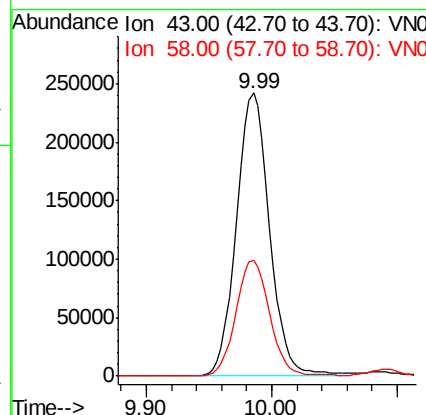
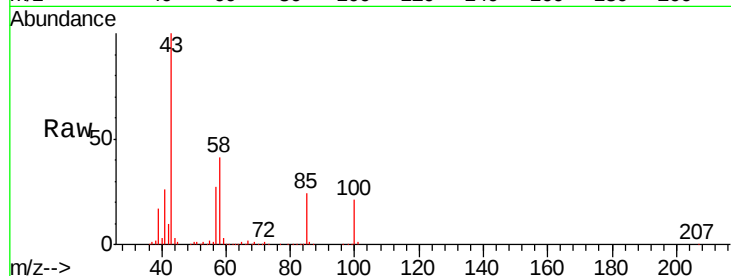
#51
 4-Methyl-2-Pentanone
 Concen: 78.77 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion: 43 Resp: 442246
 Ion Ratio Lower Upper
 43 100
 58 42.1 32.4 48.6

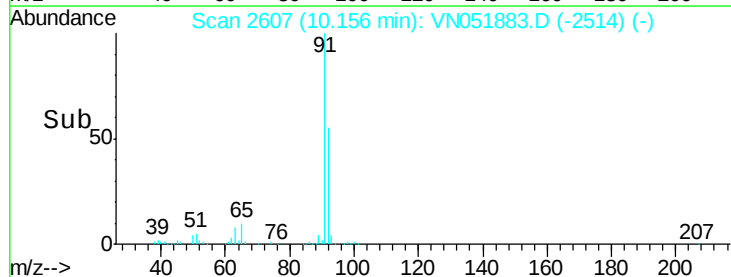
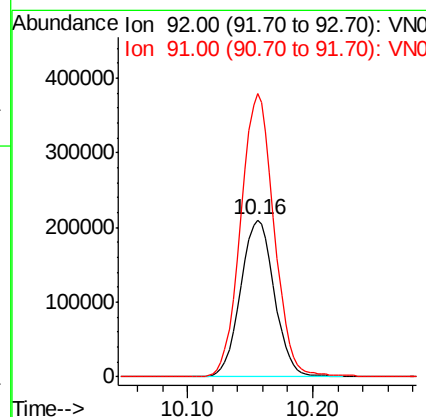
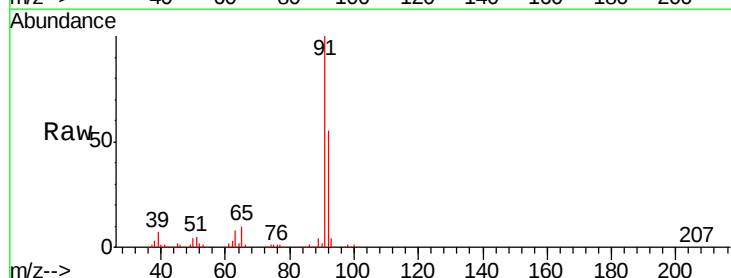
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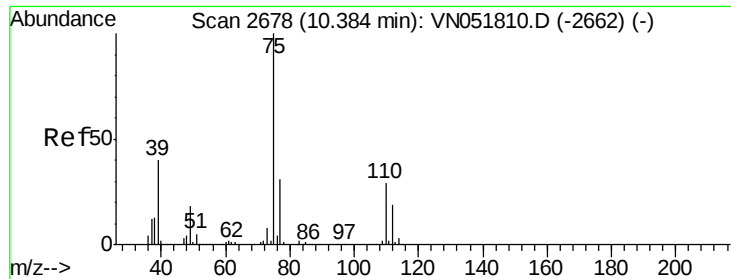
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#52
 Toluene
 Concen: 19.24 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion: 92 Resp: 392634
 Ion Ratio Lower Upper
 92 100
 91 178.6 140.6 211.0





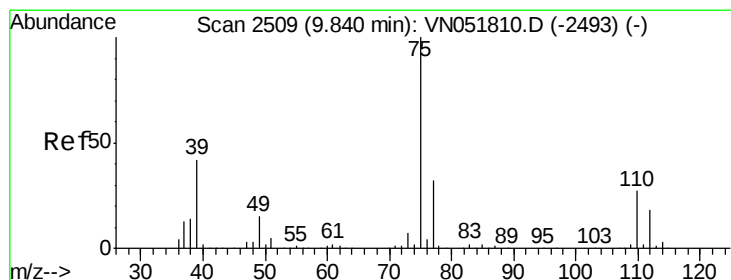
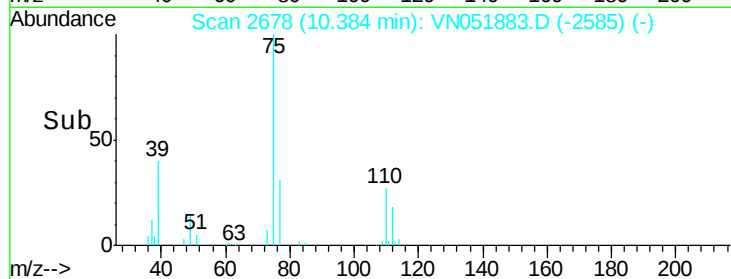
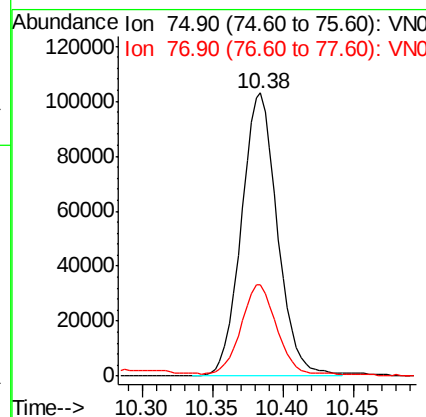
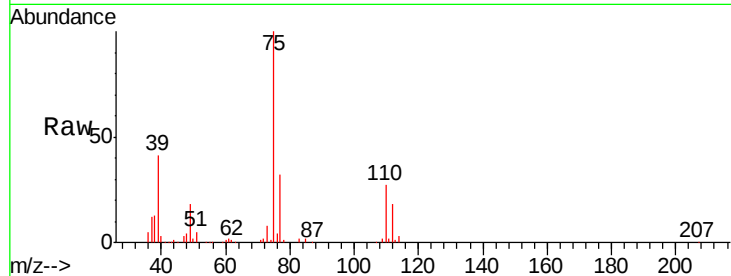
#53
 t-1,3-Dichloropropene
 Concen: 16.85 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion: 75 Resp: 184964
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5

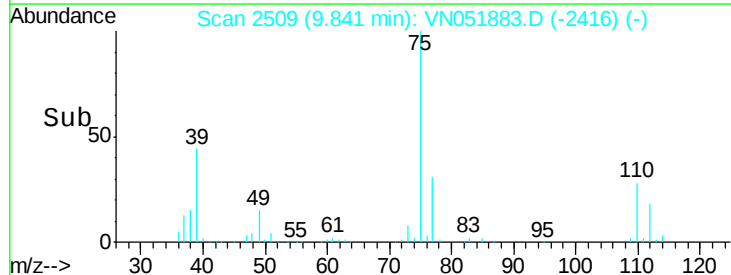
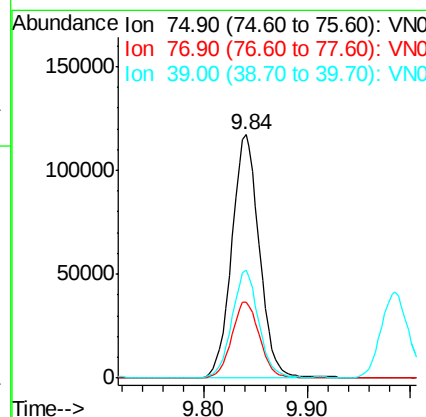
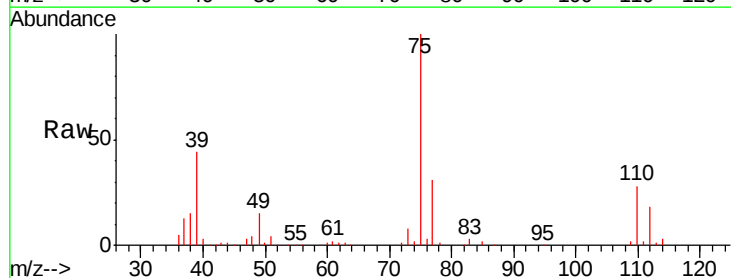
Manual Integrations
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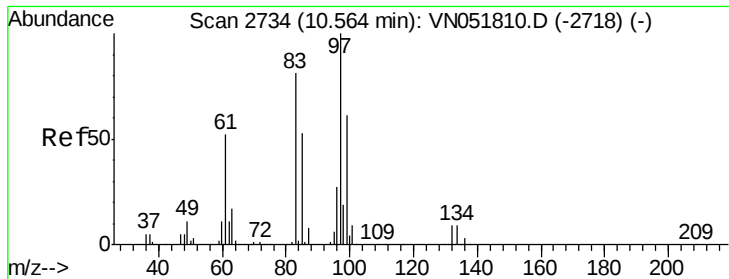
MMDadoda
 10/17/2018 1:11:46 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.19 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion: 75 Resp: 219172
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2
 39 44.3 33.0 49.4





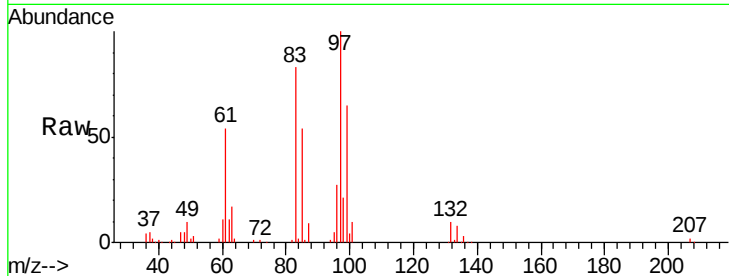
#55
 1,1,2-Trichloroethane
 Concen: 18.38 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.7	104.5
85	54.2	44.5	66.7
99	65.0	50.7	76.1

Manual Integrations
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MMDadoda
 10/17/2018 1:11:46 PM

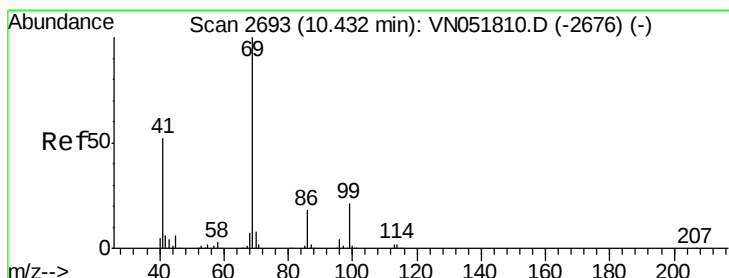
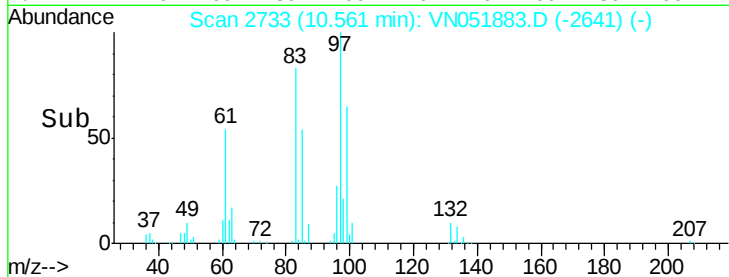
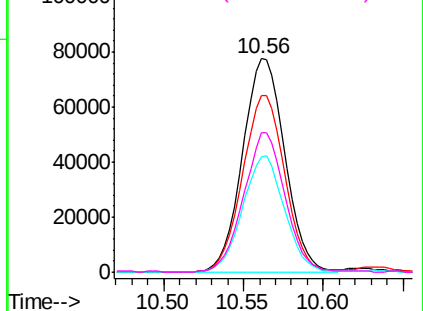


Abundance Ion 96.90 (96.60 to 97.60): VN051810.D (-2718) (-)

Ion 82.90 (82.60 to 83.60): VN051810.D (-2718) (-)

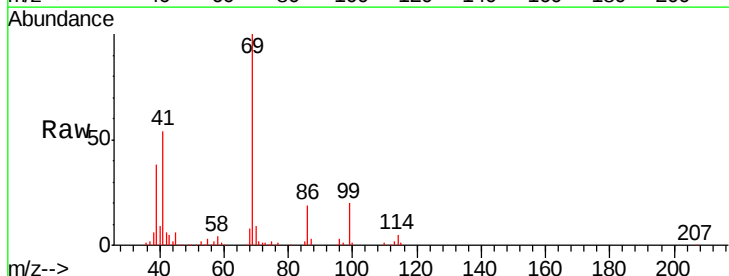
Ion 84.90 (84.60 to 85.60): VN051810.D (-2718) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-2718) (-)



#56
 Ethyl methacrylate
 Concen: 16.79 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

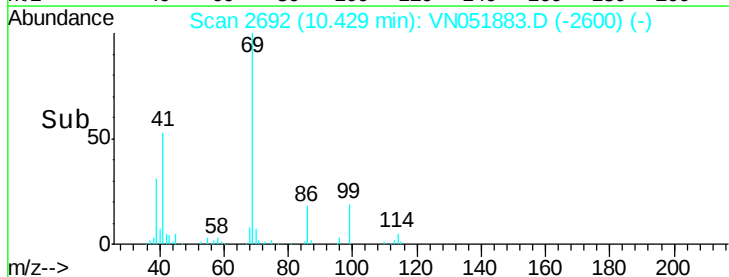
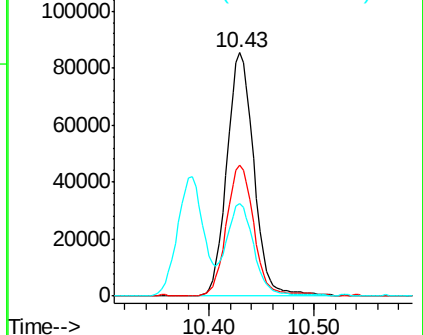
Tgt Ion	Ratio	Lower	Upper
69	100		
41	53.5	48.3	72.5
39	38.4	24.0	36.0#

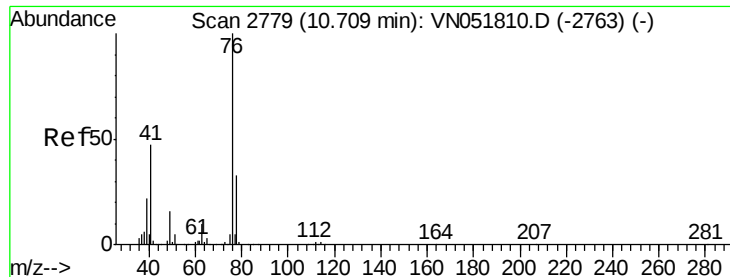


Abundance Ion 69.00 (68.70 to 69.70): VN051810.D (-2676) (-)

Ion 41.00 (40.70 to 41.70): VN051810.D (-2676) (-)

Ion 39.00 (38.70 to 39.70): VN051810.D (-2676) (-)





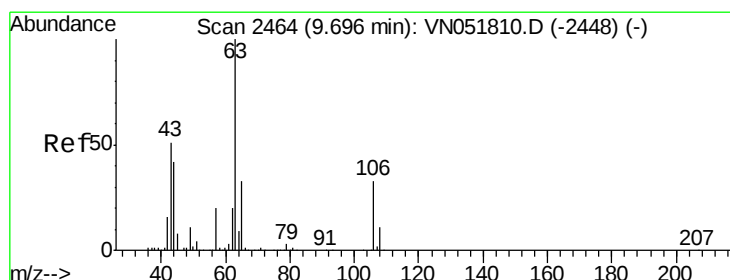
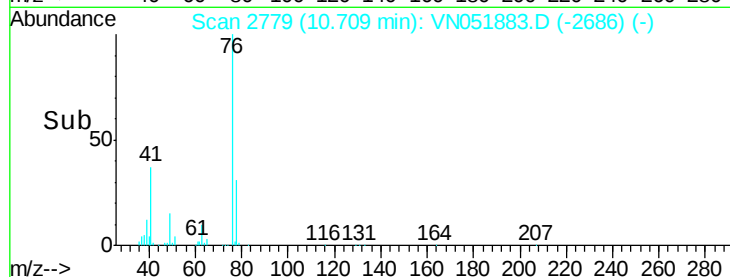
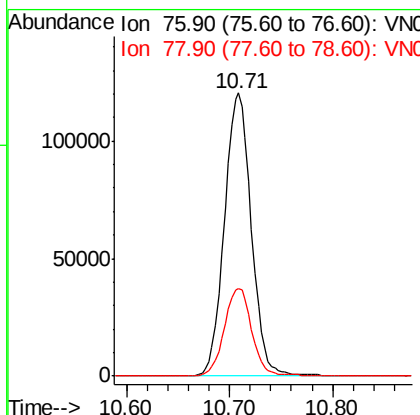
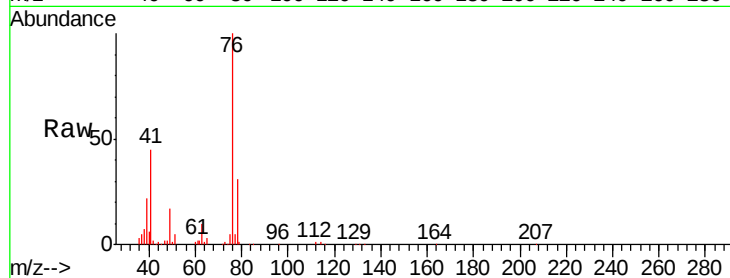
#57
 1,3-Dichloropropane
 Concen: 18.35 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

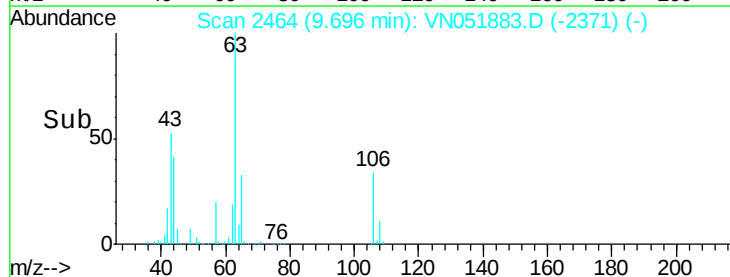
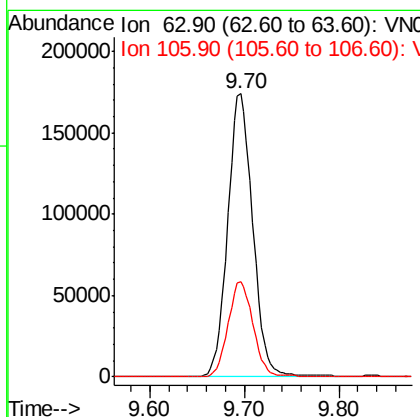
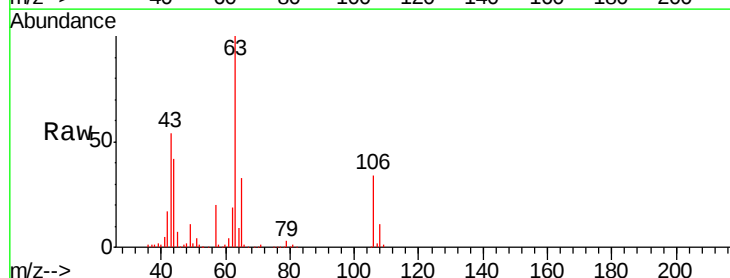
Manual Integrations
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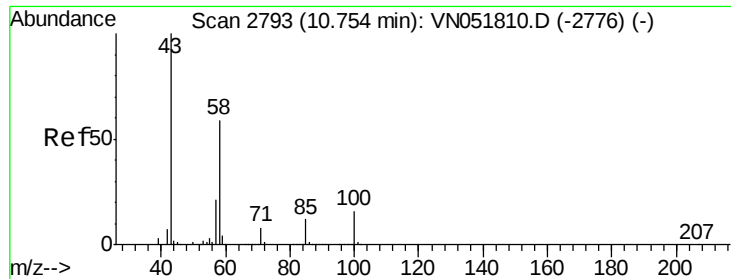
MMDadoda
 10/17/2018 1:11:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.46 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.7	21.9	32.9#





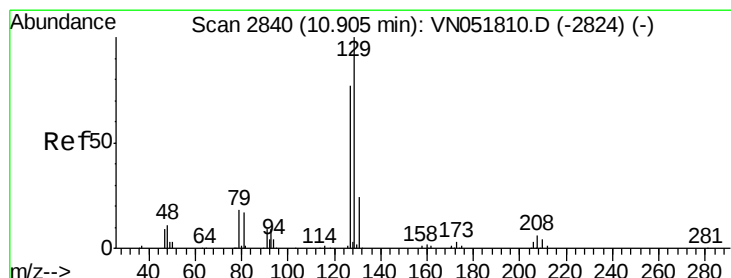
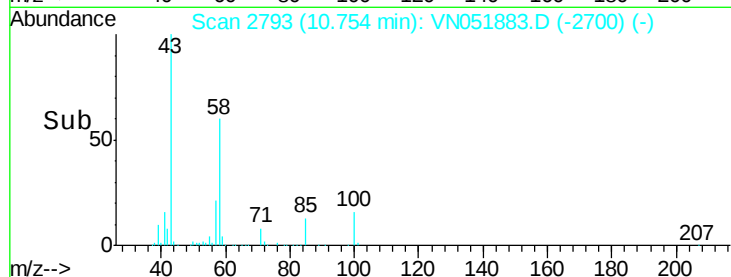
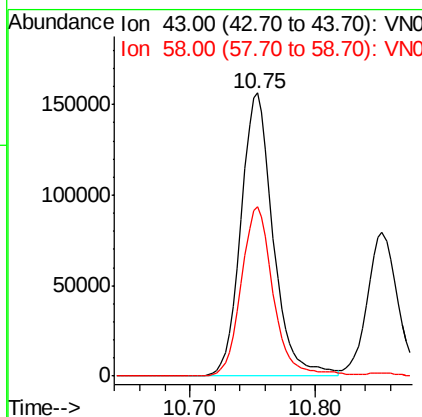
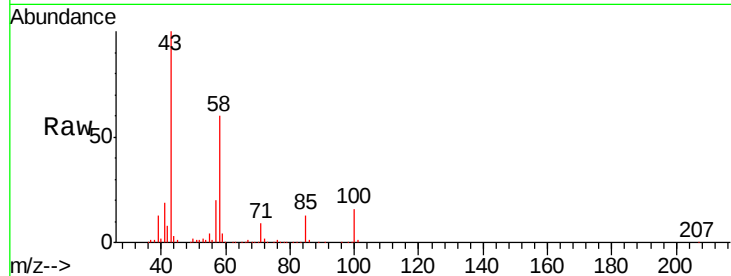
#59
2-Hexanone
Concen: 70.62 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion: 43 Resp: 278454
Ion Ratio Lower Upper
43 100
58 59.8 28.3 85.0

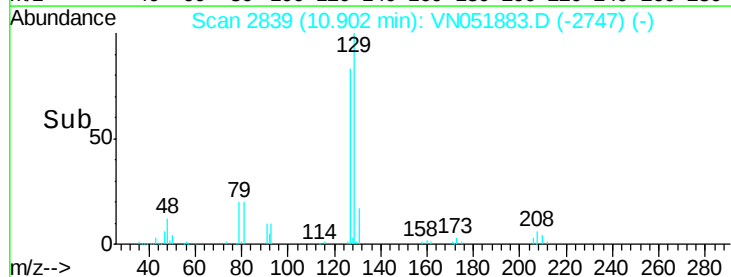
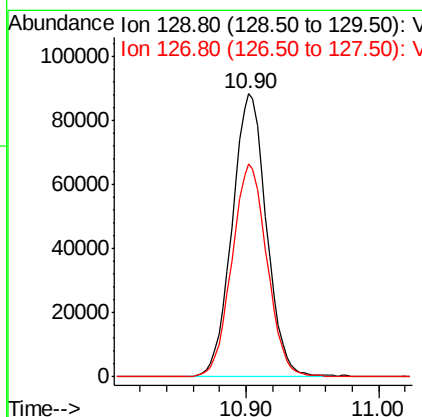
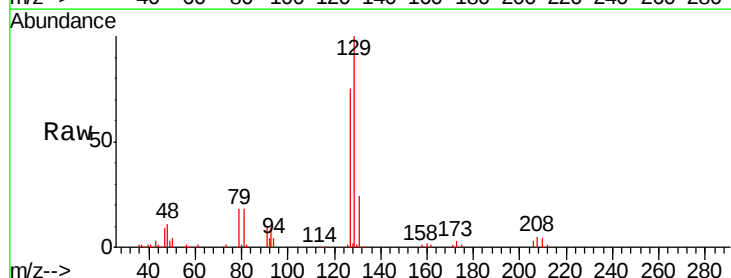
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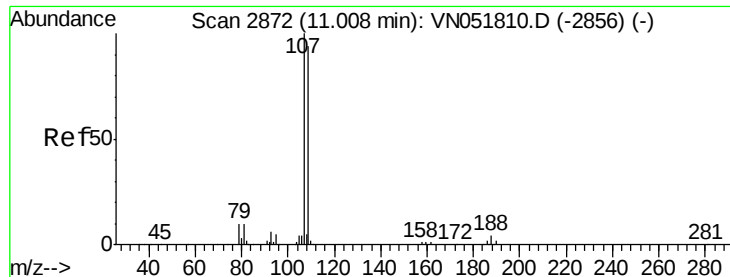
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#60
Dibromochloromethane
Concen: 17.46 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion: 129 Resp: 159072
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





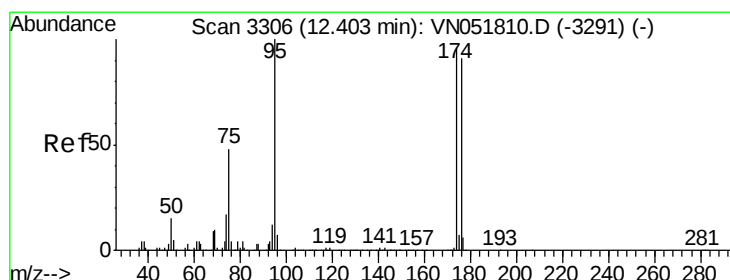
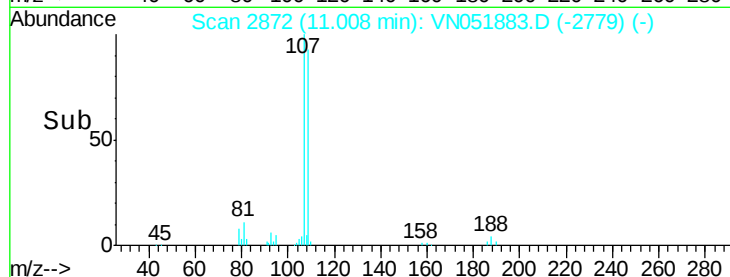
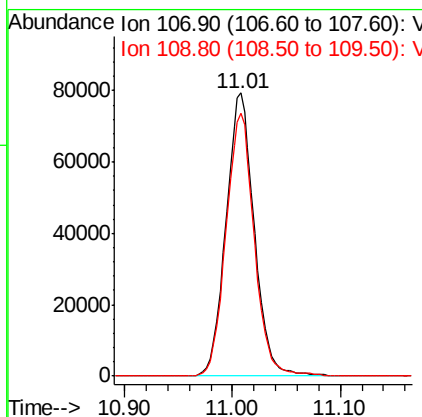
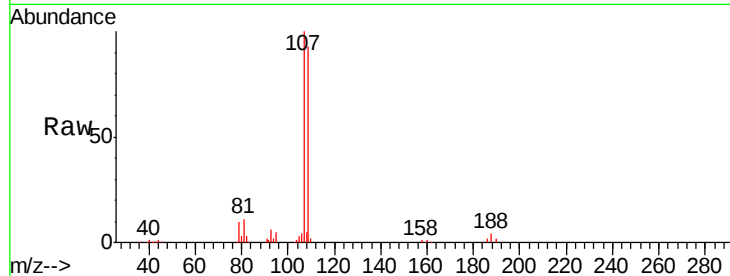
#61
1,2-Dibromoethane
Concen: 18.28 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion: 107 Resp: 144536
Ion Ratio Lower Upper
107 100
109 93.0 75.4 113.2

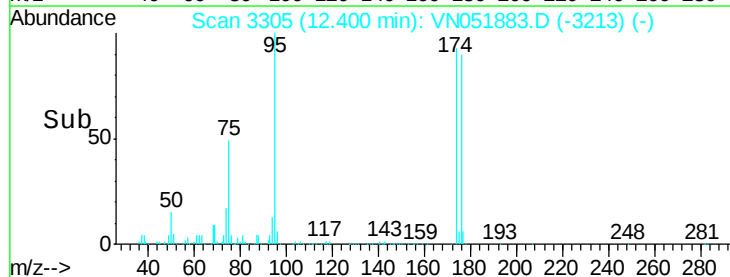
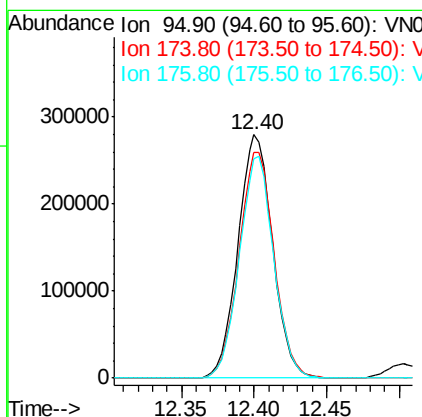
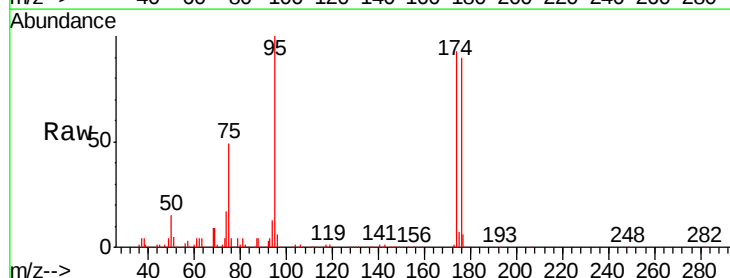
Manual Integrations
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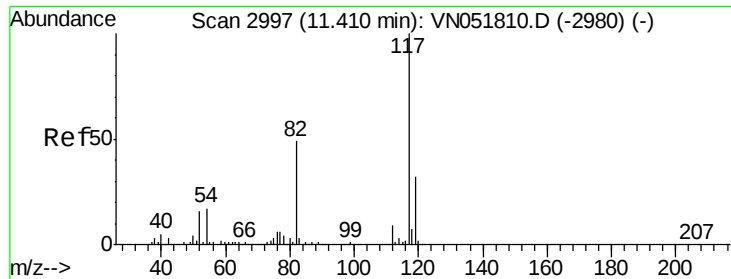
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 18.28 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion: 95 Resp: 463571
Ion Ratio Lower Upper
95 100
174 94.3 0.0 183.0
176 90.3 0.0 178.8





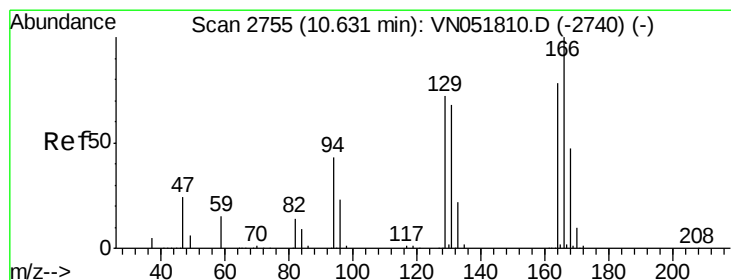
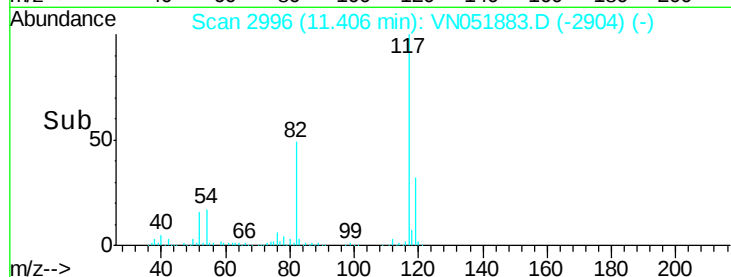
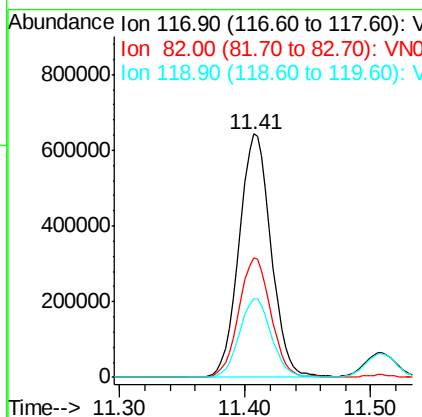
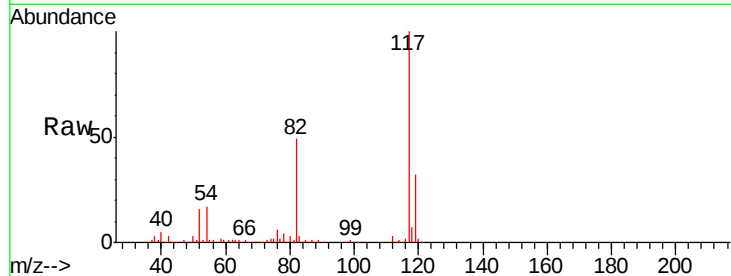
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion:117 Resp: 1142194
Ion Ratio Lower Upper
117 100
82 49.1 42.6 64.0
119 32.4 25.8 38.6

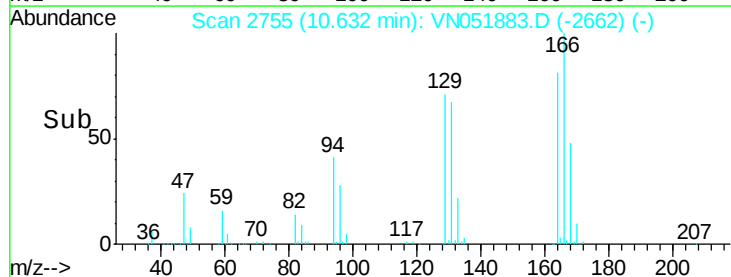
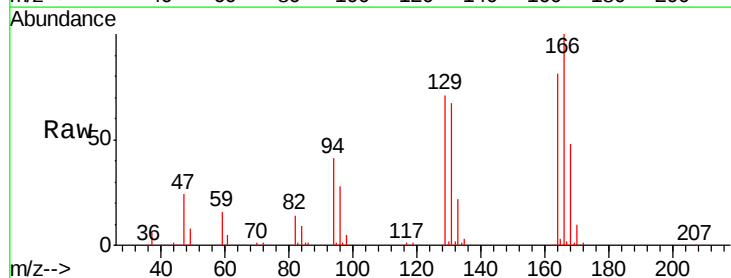
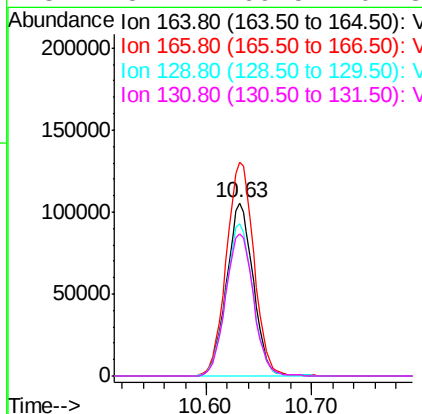
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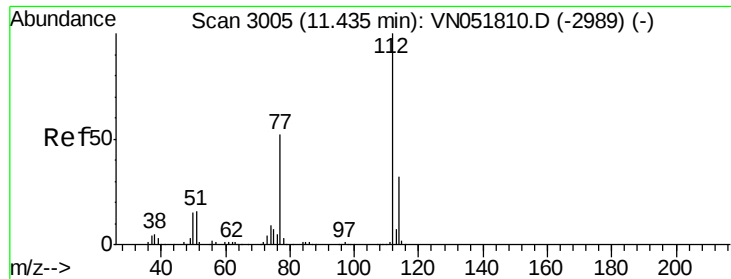
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#64
Tetrachloroethene
Concen: 21.02 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion:164 Resp: 184108
Ion Ratio Lower Upper
164 100
166 123.4 103.5 155.3
129 87.7 72.7 109.1
131 82.2 69.5 104.3





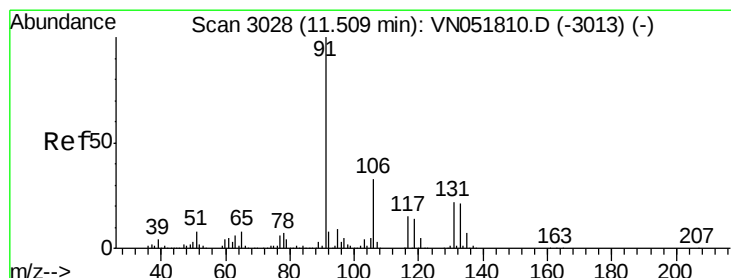
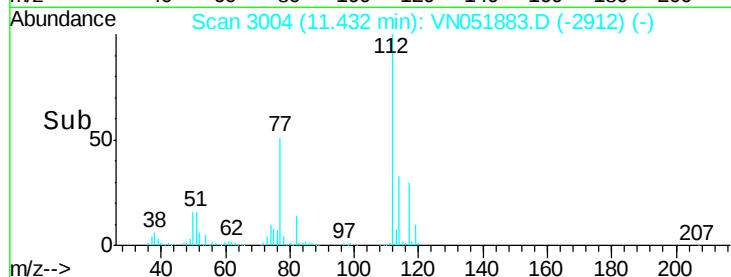
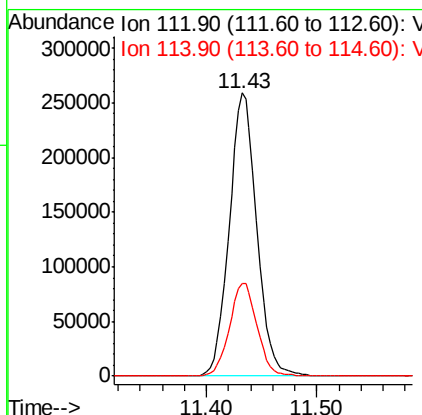
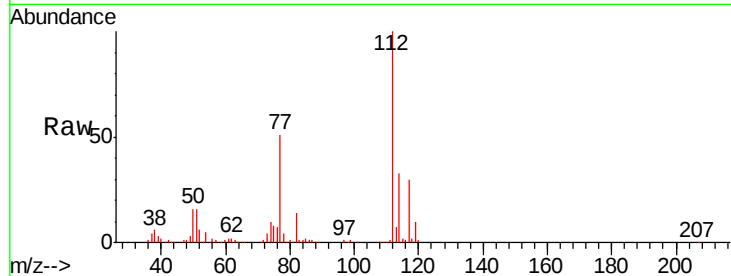
#65
Chlorobenzene
Concen: 19.36 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion:112 Resp: 447135
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4

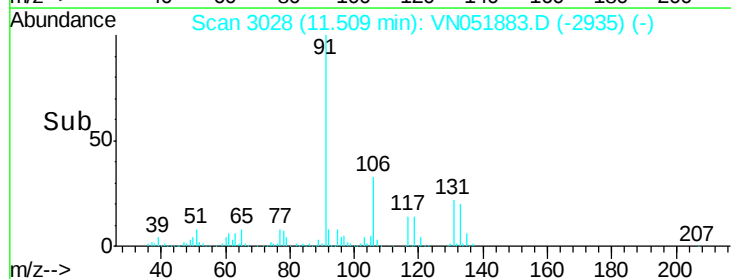
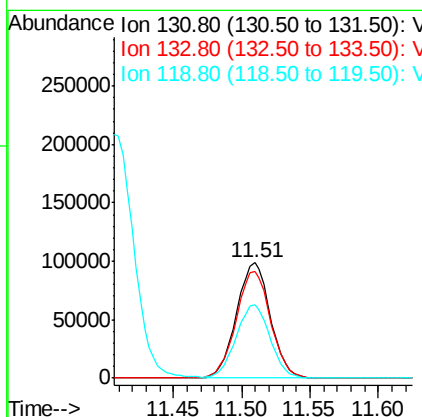
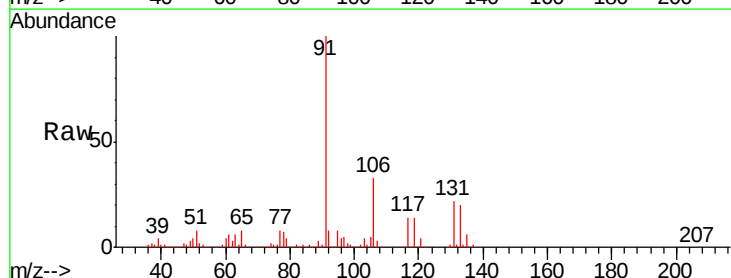
Manual Integrations
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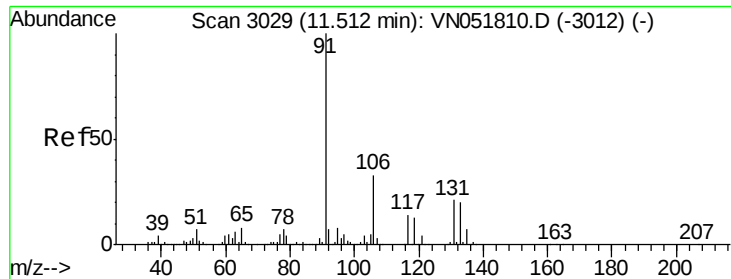
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.37 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion:131 Resp: 170558
Ion Ratio Lower Upper
131 100
133 93.9 47.4 142.3
119 63.7 32.8 98.4





#67

Ethyl Benzene

Concen: 19.66 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 91 Resp: 751663

Ion Ratio Lower Upper

91 100

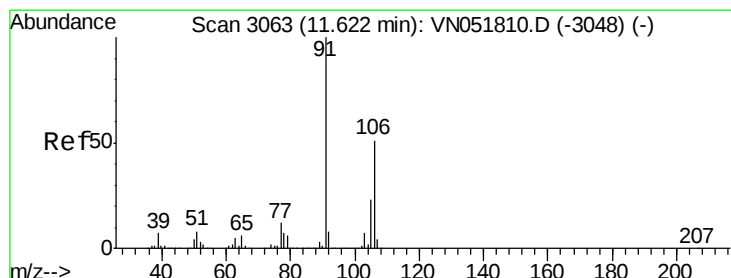
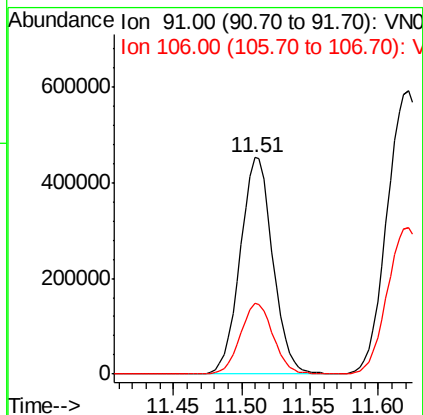
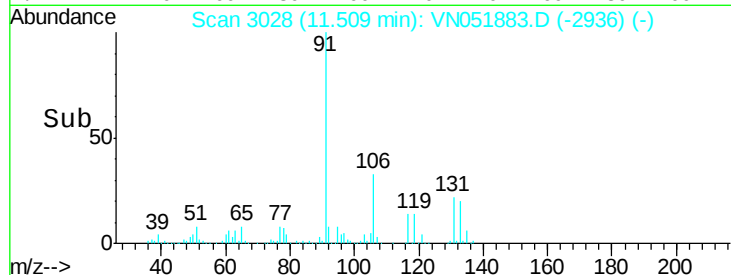
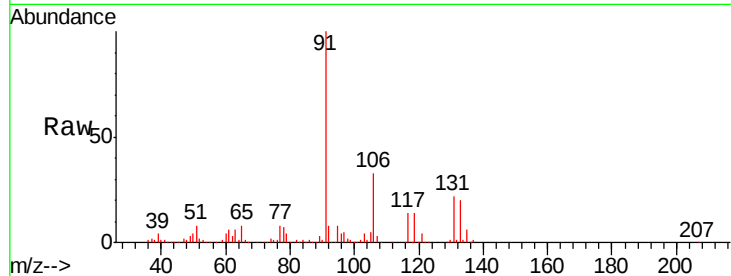
106 32.6 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.78 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051883.D

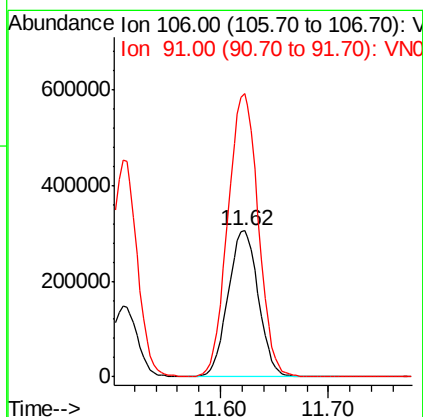
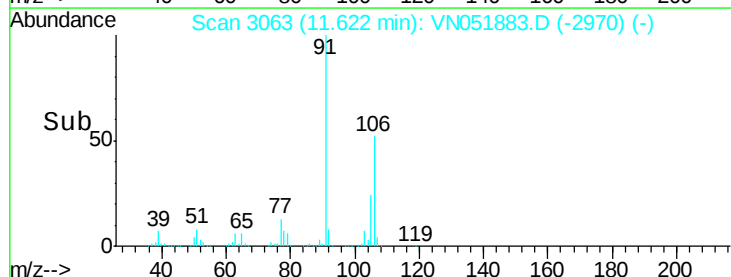
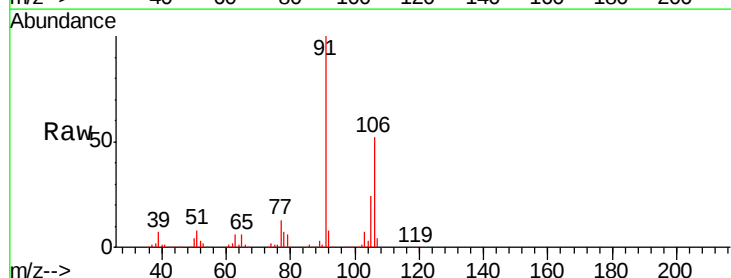
Acq: 16 Oct 2018 9:57

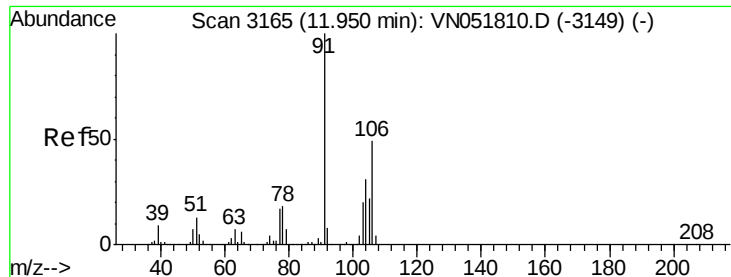
Tgt Ion: 106 Resp: 598959

Ion Ratio Lower Upper

106 100

91 194.0 161.0 241.6





#69

o-Xylene

Concen: 19.49 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion:106 Resp: 292424

Ion Ratio Lower Upper

106 100

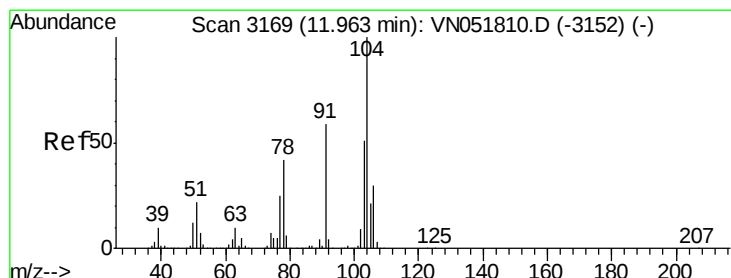
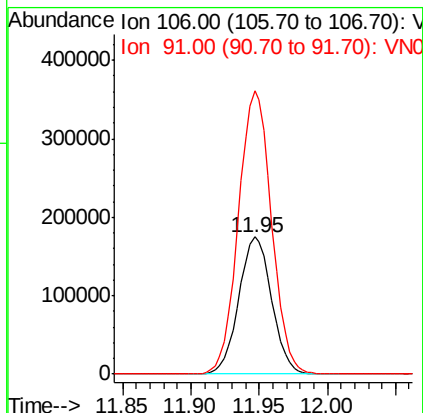
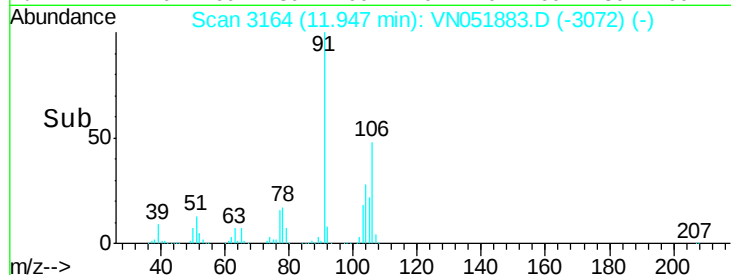
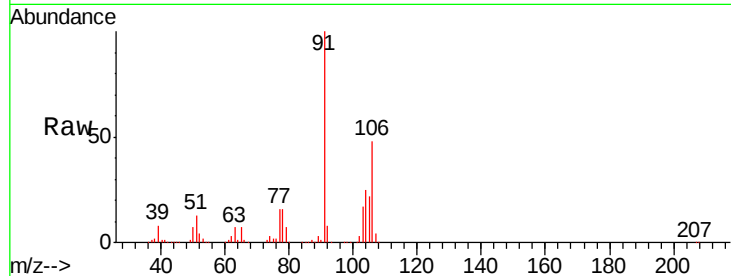
91 207.8 106.5 319.5

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#70

Styrene

Concen: 19.12 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

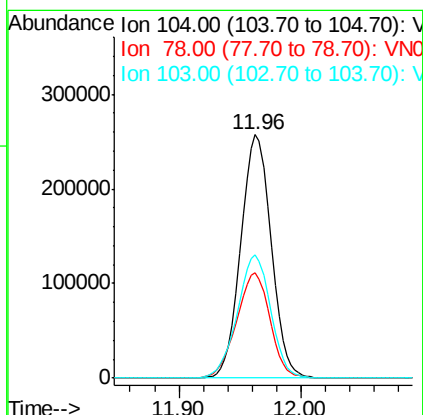
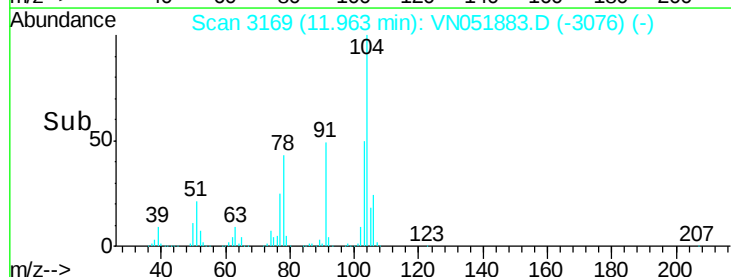
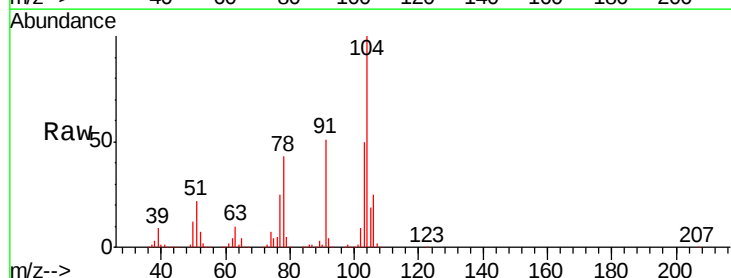
Tgt Ion:104 Resp: 442474

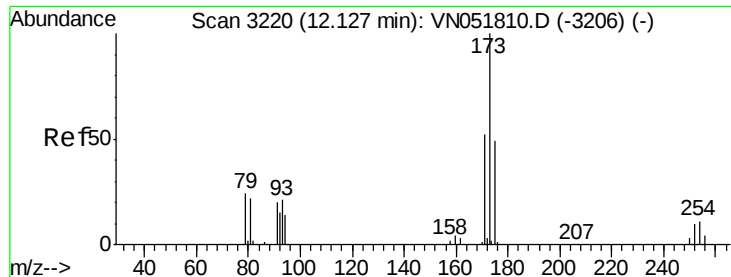
Ion Ratio Lower Upper

104 100

78 47.6 38.2 57.4

103 55.3 44.4 66.6





#71

Bromoform

Concen: 16.36 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion:173 Resp: 95438
Ion Ratio Lower Upper

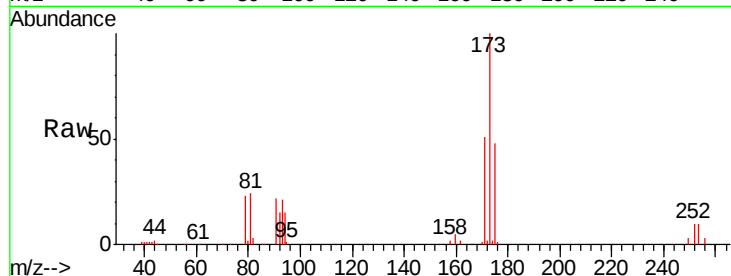
173 100

175 48.2 24.4 73.4

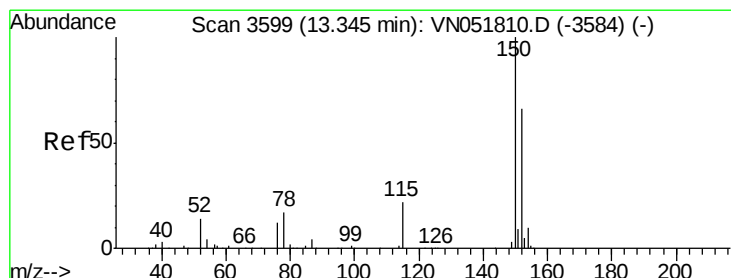
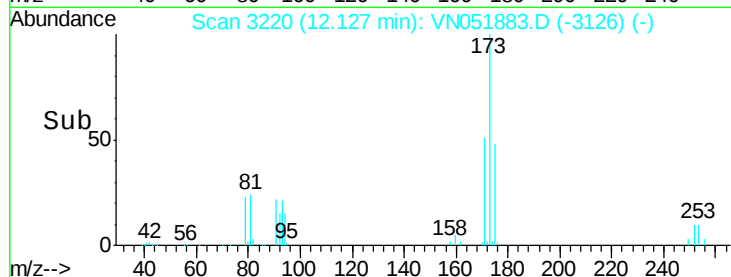
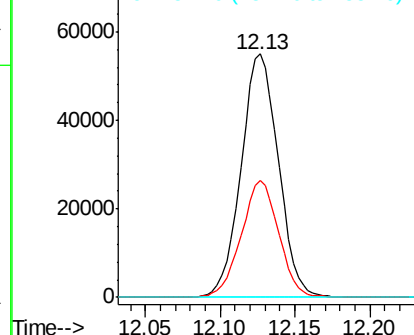
254 0.0 0.1 0.1#

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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: VN051883.D

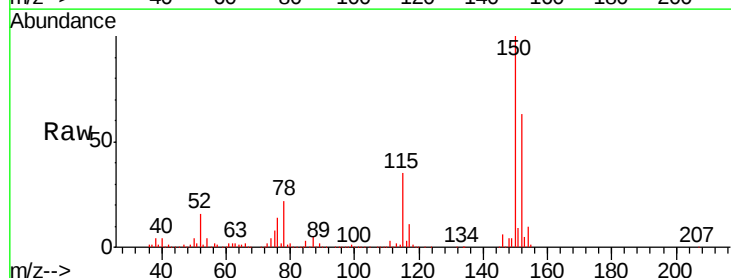
Acq: 16 Oct 2018 9:57

Tgt Ion:152 Resp: 496168
Ion Ratio Lower Upper

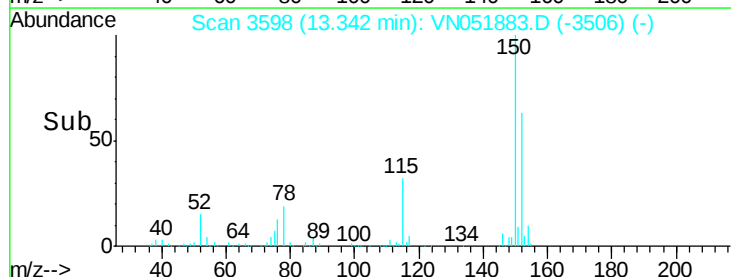
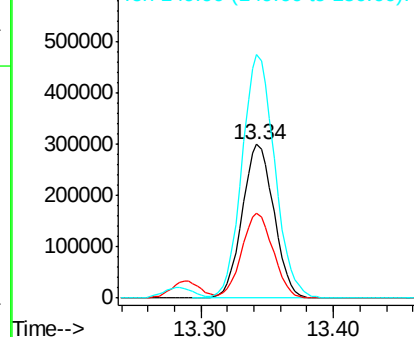
152 100

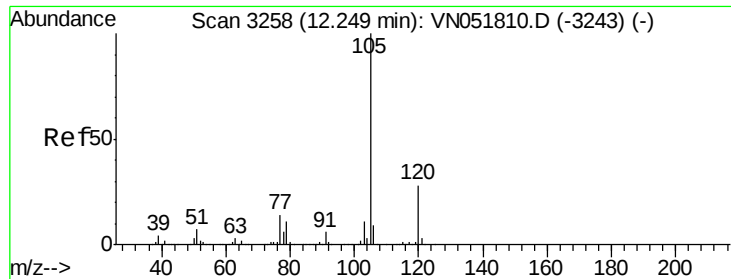
115 54.9 27.8 83.4

150 163.4 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: 20.32 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 105 Resp: 776921

Ion Ratio Lower Upper

105 100

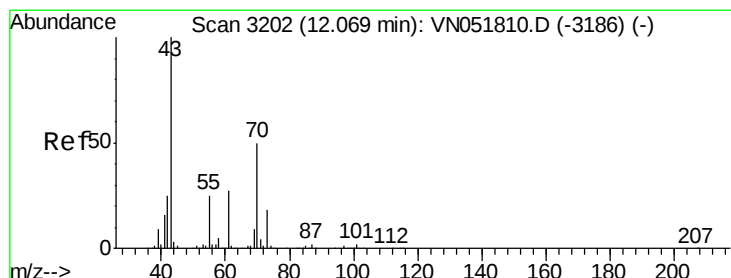
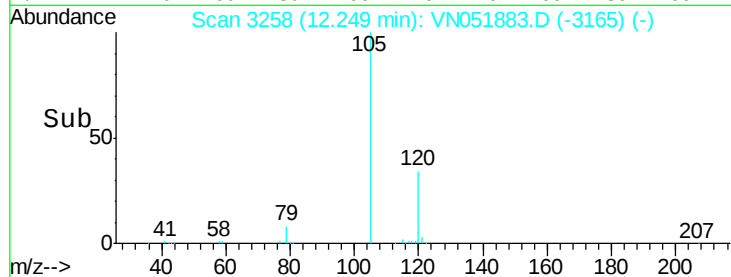
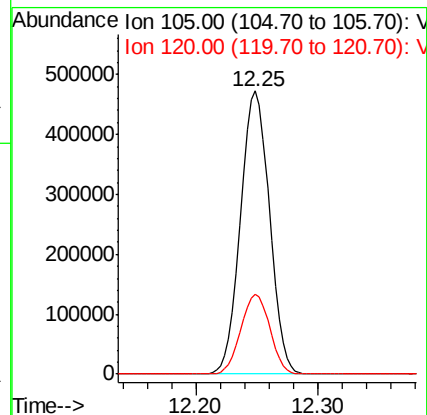
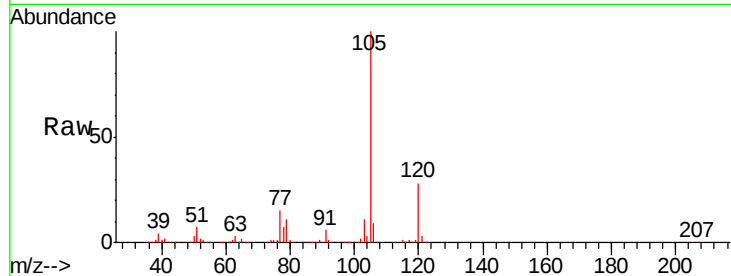
120 28.2 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.70 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Tgt Ion: 43 Resp: 126624

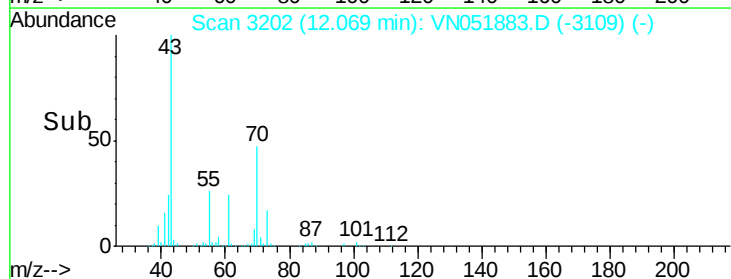
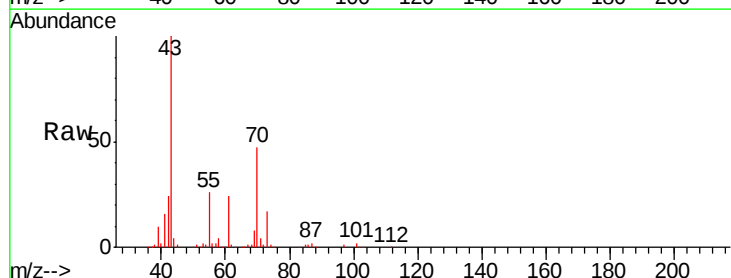
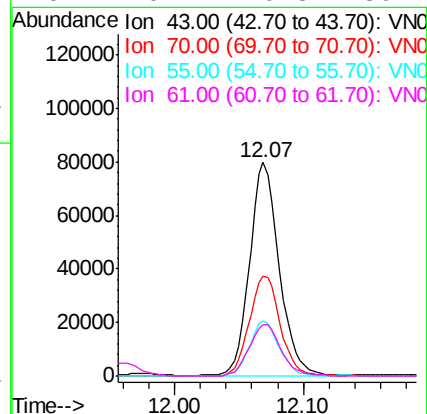
Ion Ratio Lower Upper

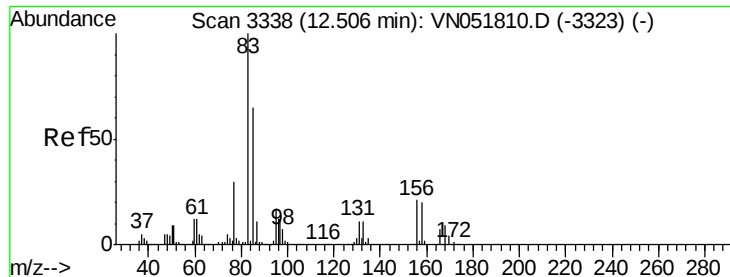
43 100

70 49.1 36.2 54.2

55 26.1 21.8 32.8

61 26.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.51 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 83 Resp: 155469

Ion Ratio Lower Upper

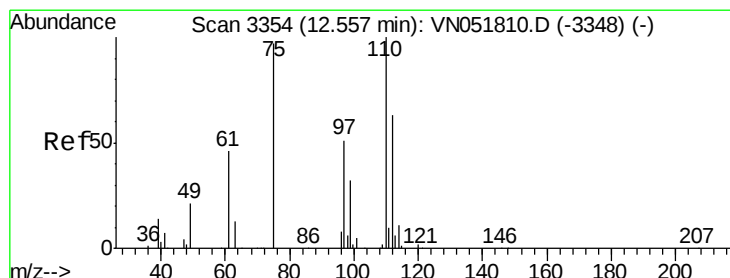
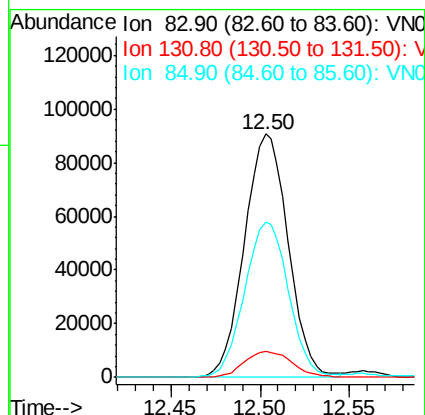
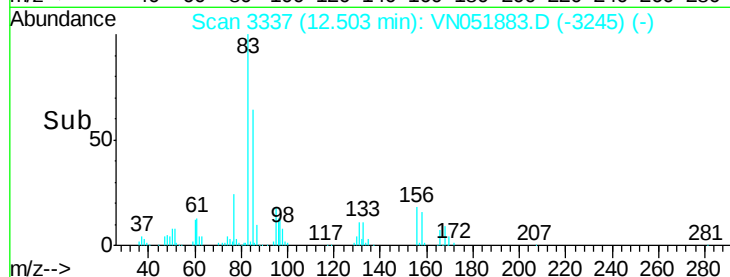
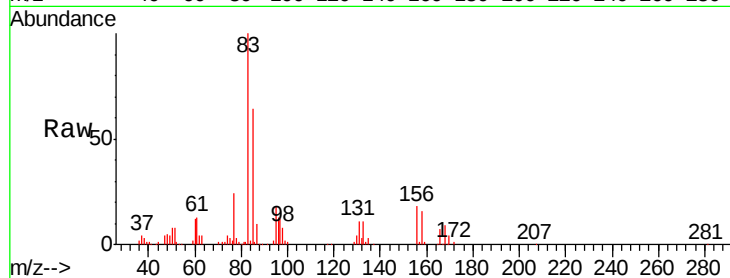
83 100

131 11.7 5.3 15.9

85 64.0 31.9 95.7

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#76

1,2,3-Trichloropropane

Concen: 22.43 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051883.D

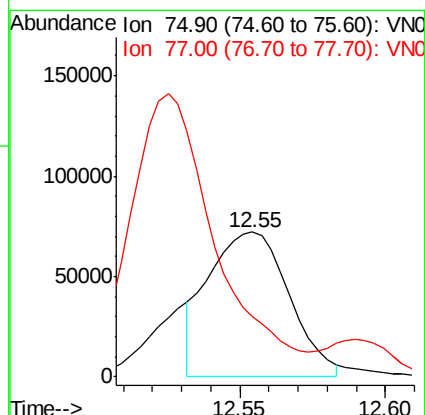
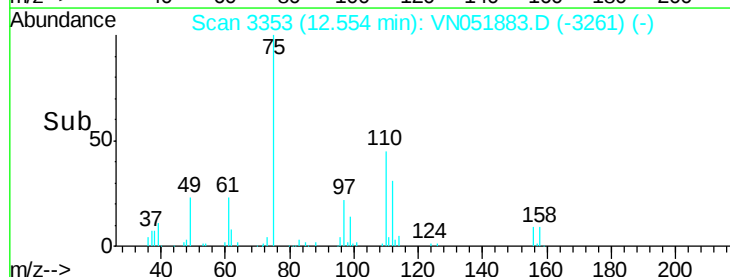
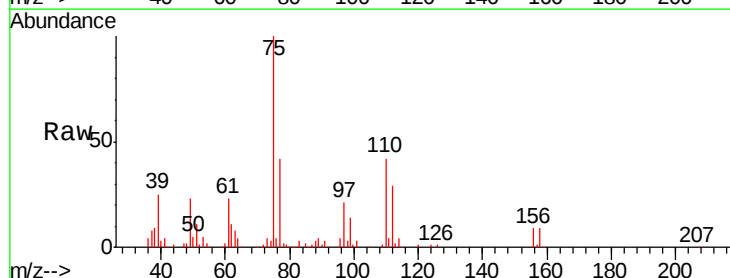
Acq: 16 Oct 2018 9:57

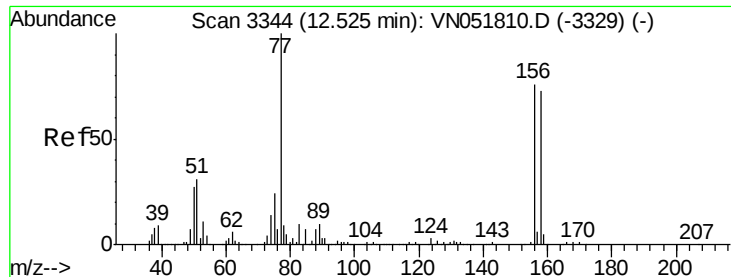
Tgt Ion: 75 Resp: 138833

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.05 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

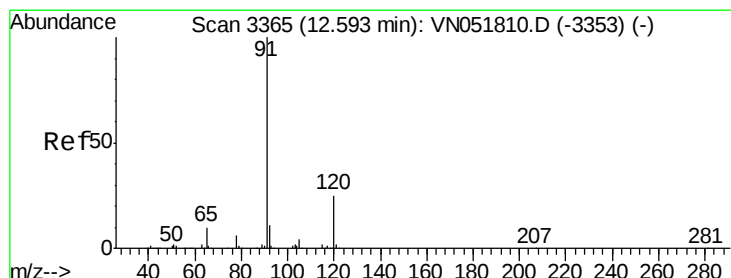
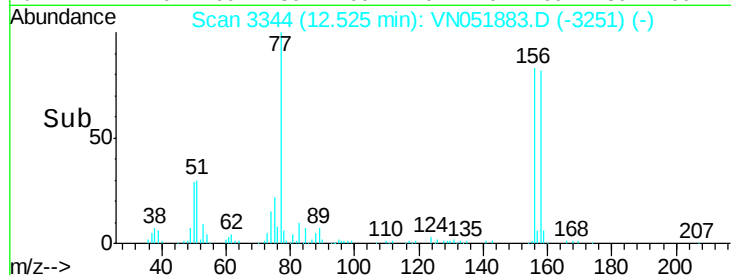
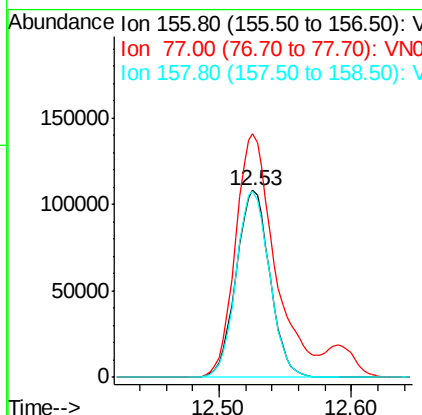
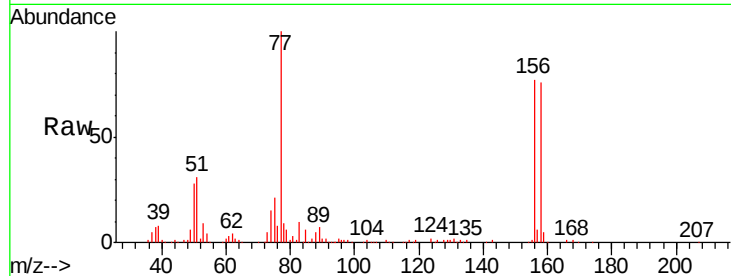
ClientSampleId :

VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	151.6	89.9	269.7
158	98.6	49.3	147.9

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#78

n-propylbenzene

Concen: 20.64 ug/l

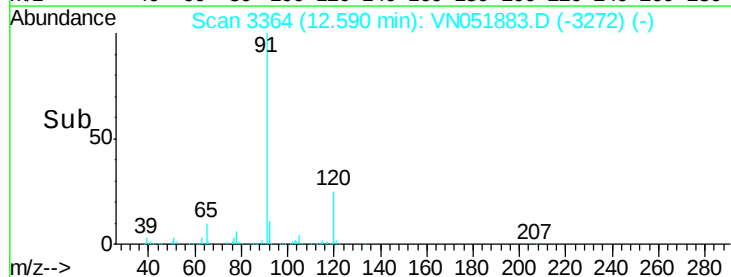
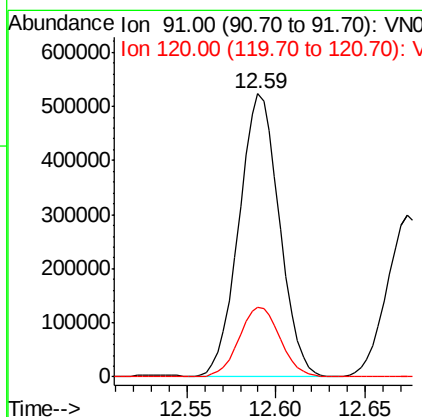
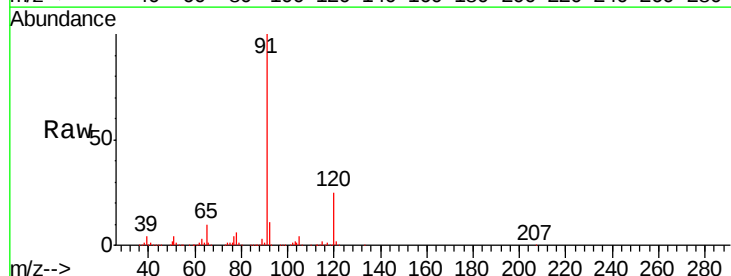
RT: 12.59 min Scan# 3364

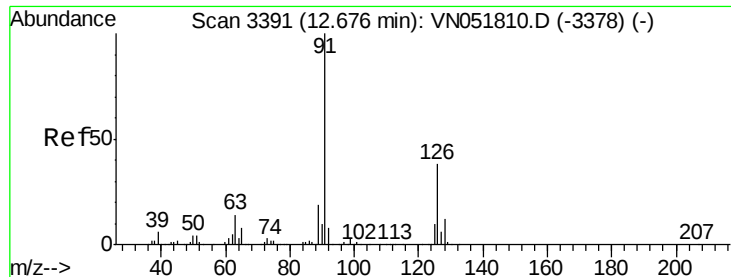
Delta R.T. -0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.38 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion: 91 Resp: 491406

Ion Ratio Lower Upper

91 100

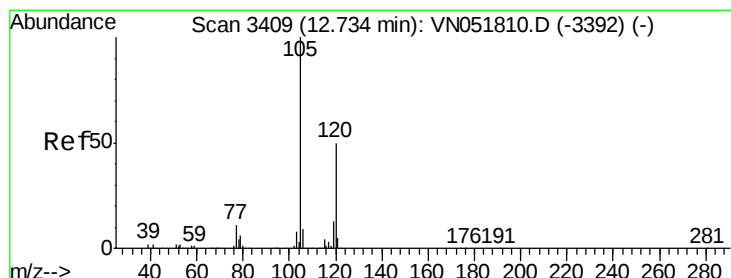
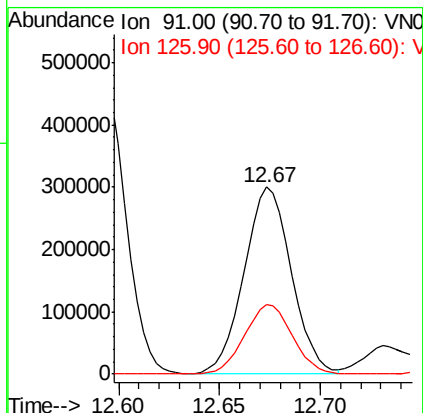
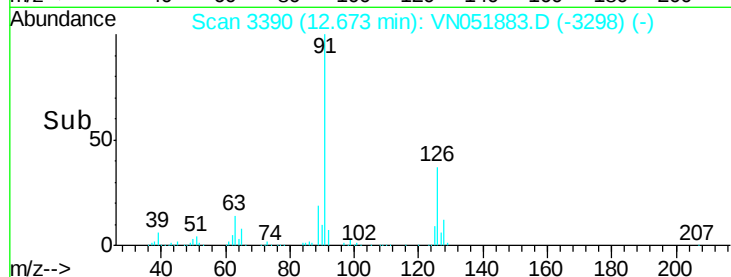
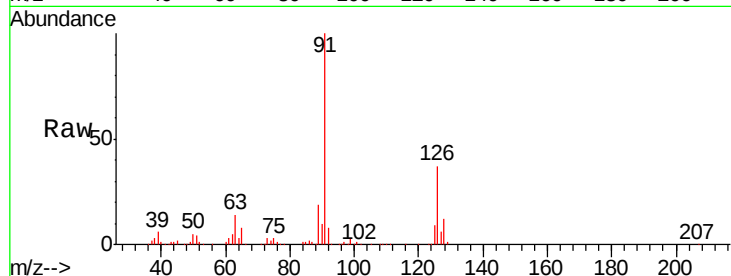
126 37.8 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.37 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051883.D

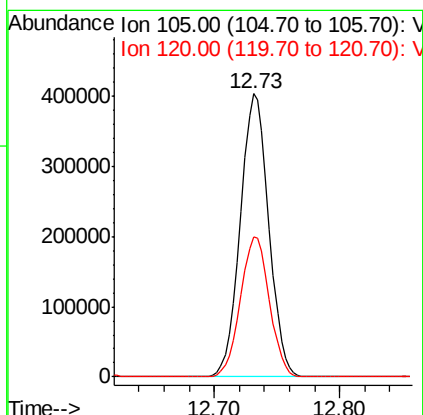
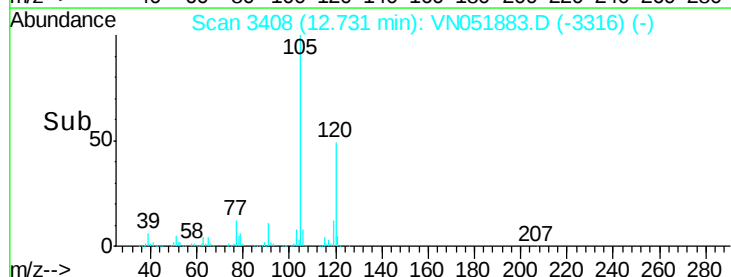
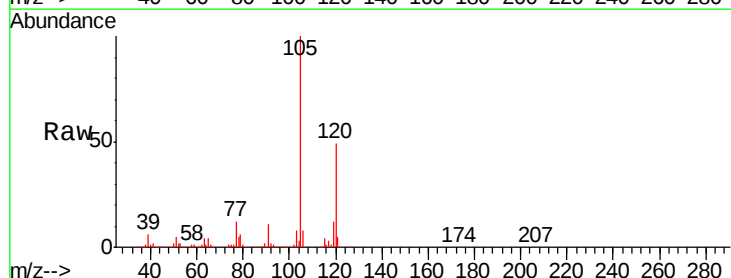
Acq: 16 Oct 2018 9:57

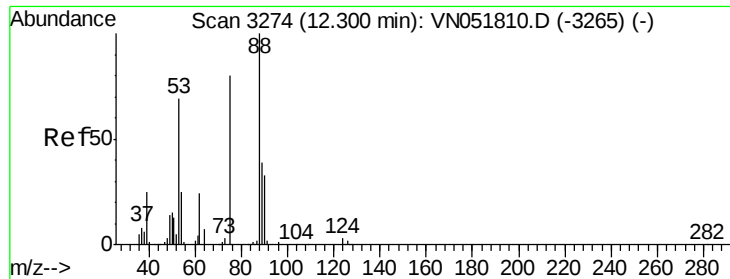
Tgt Ion: 105 Resp: 634619

Ion Ratio Lower Upper

105 100

120 50.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.59 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

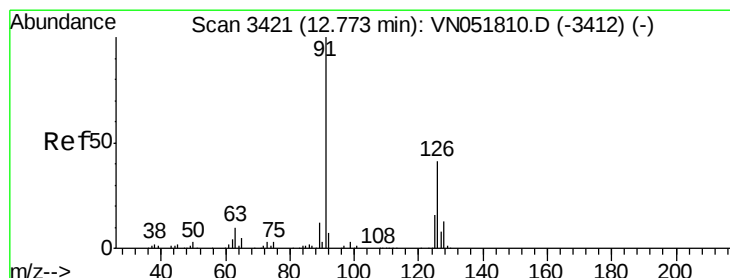
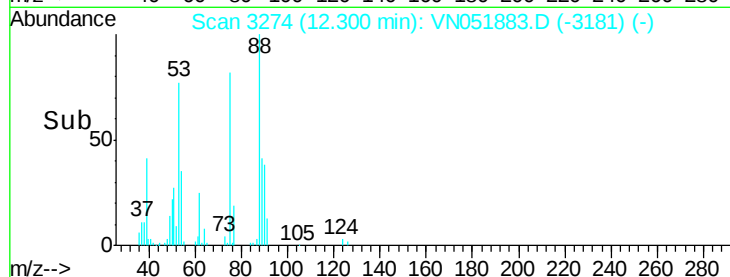
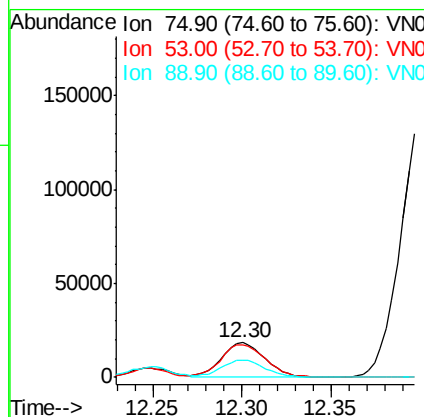
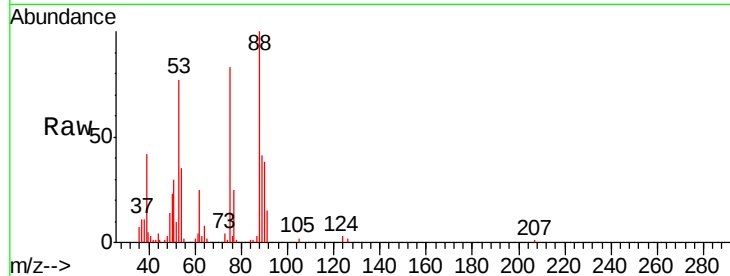
ClientSampleId :

VN1016WBS01

Tgt Ion:	75	Resp:	31442
Ion Ratio	Lower	Upper	
75	100		
53	98.6	68.9	103.3
89	49.2	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.60 ug/l

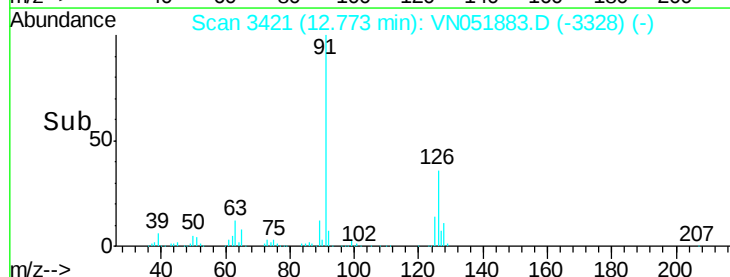
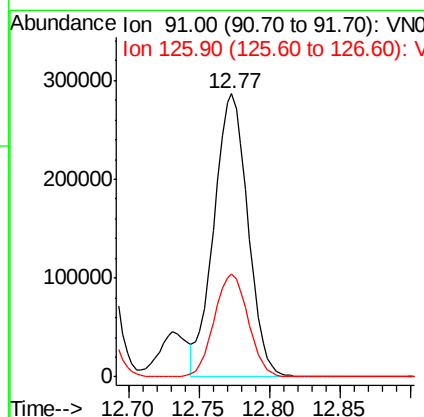
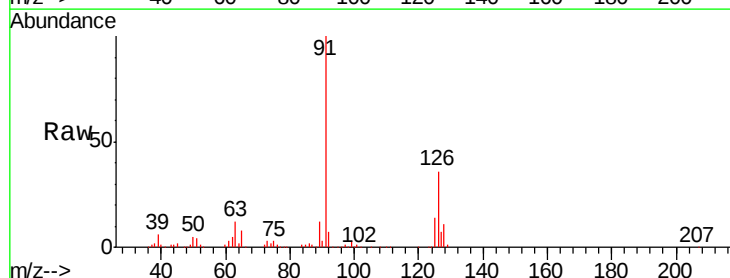
RT: 12.77 min Scan# 3421

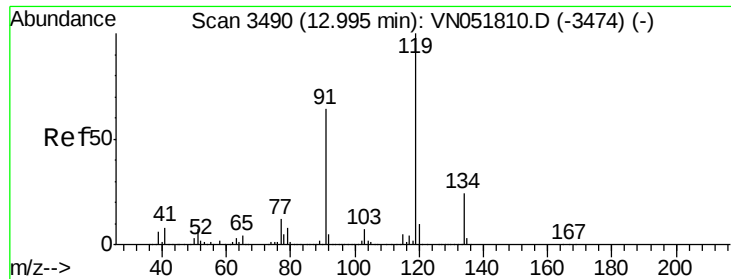
Delta R.T. 0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Tgt Ion:	91	Resp:	477461
Ion Ratio	Lower	Upper	
91	100		
126	36.6	17.5	52.5





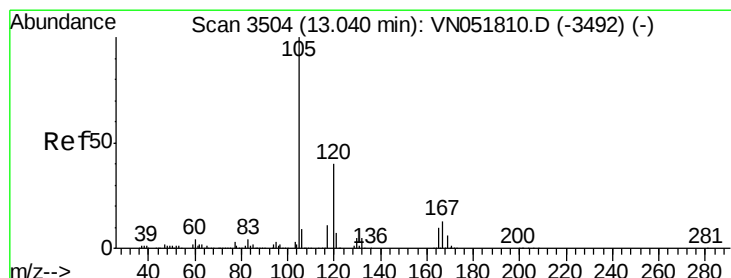
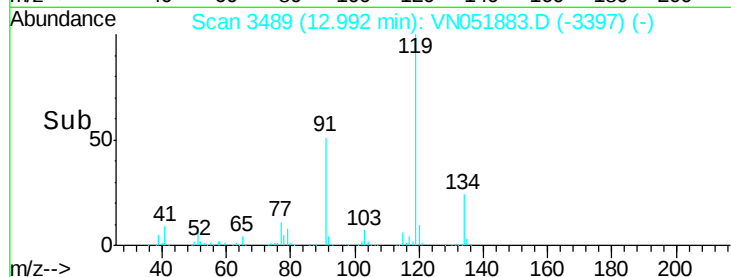
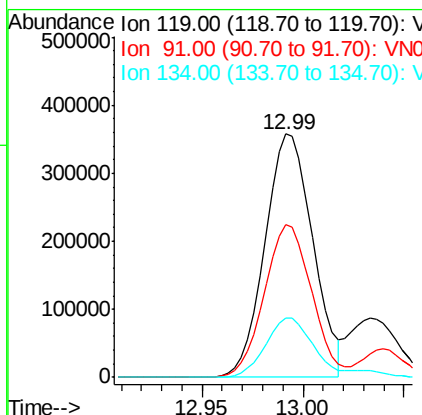
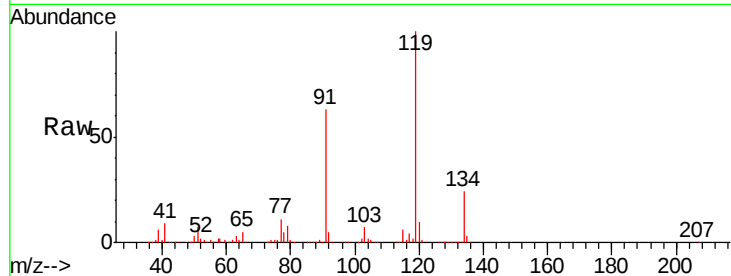
#83
 tert-Butylbenzene
 Concen: 20.38 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	588940		
91	62.0	31.6	94.7	
134	26.4	13.4	40.1	

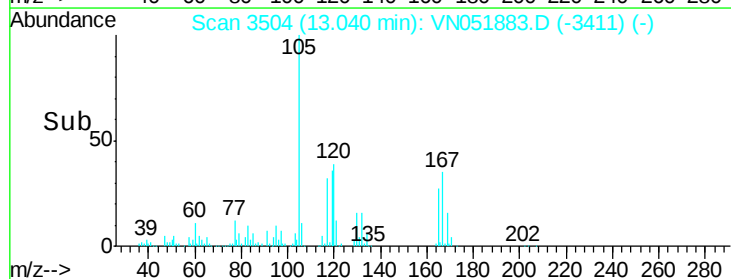
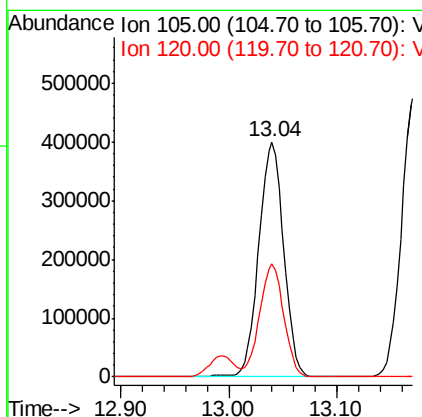
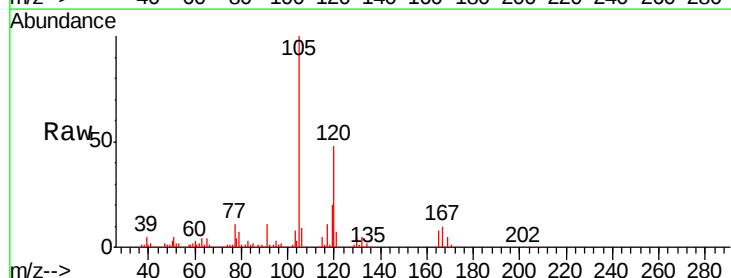
Manual Integrations
 APPROVED

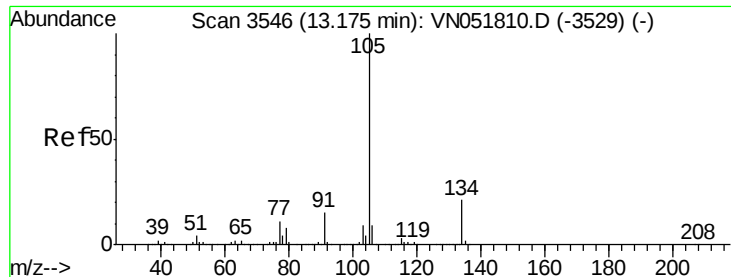
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.62 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	639581		
120	46.7	22.9	68.8	





#85

sec-Butylbenzene

Concen: 20.48 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tgt Ion:105 Resp: 766633

Ion Ratio Lower Upper

105 100

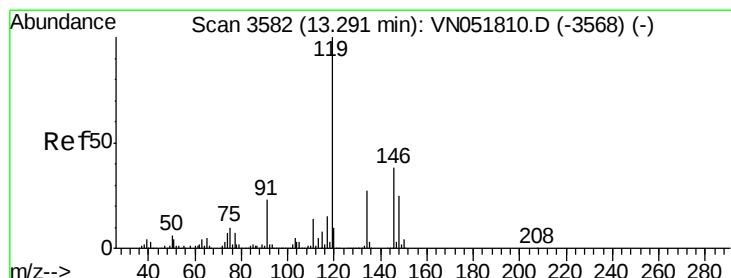
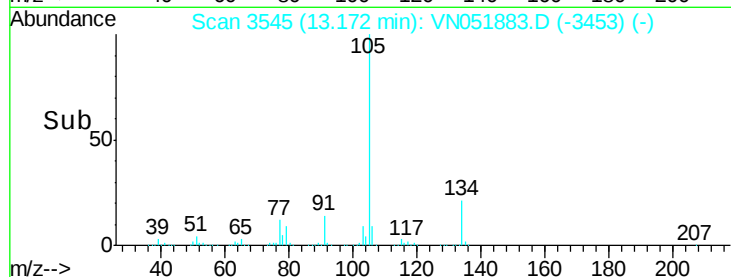
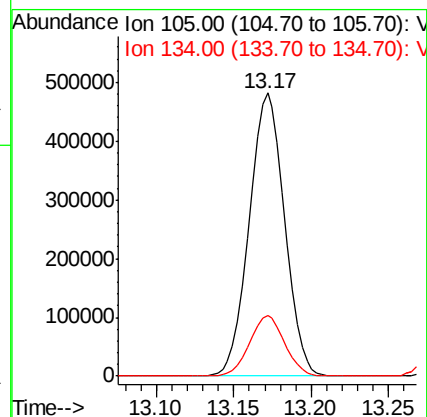
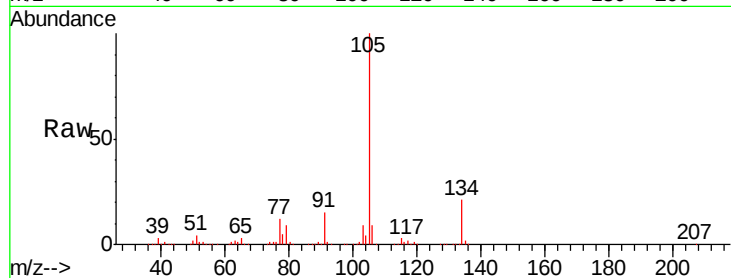
134 21.3 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.30 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051883.D

Acq: 16 Oct 2018 9:57

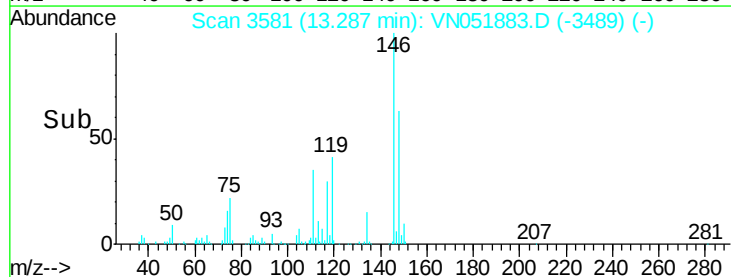
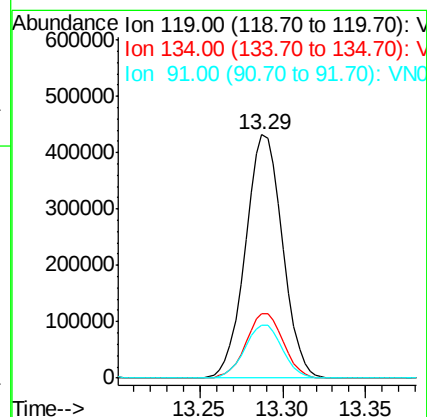
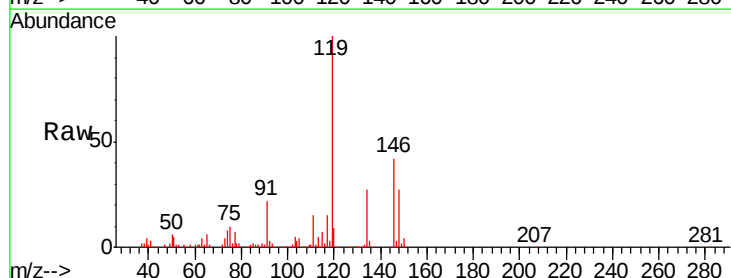
Tgt Ion:119 Resp: 668325

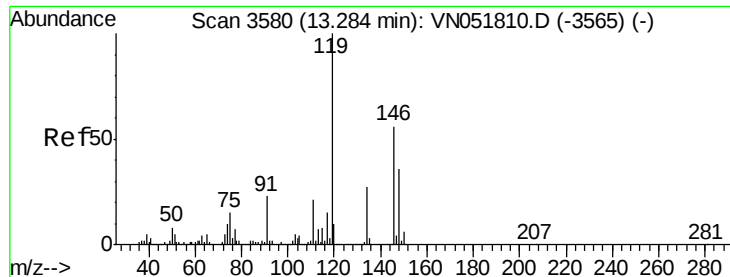
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

91 22.1 11.2 33.5





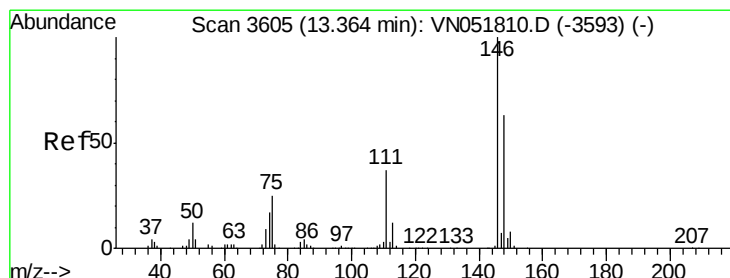
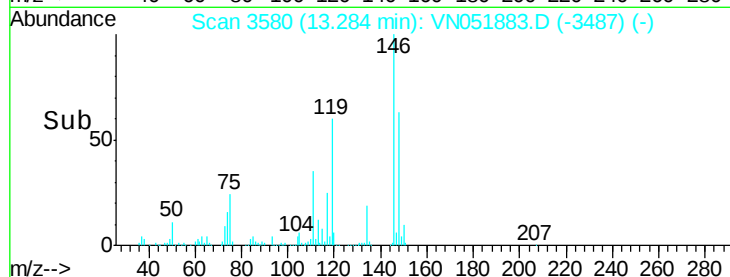
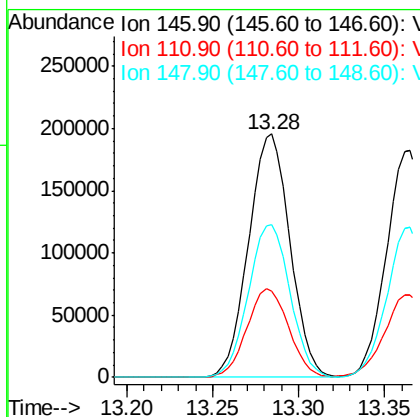
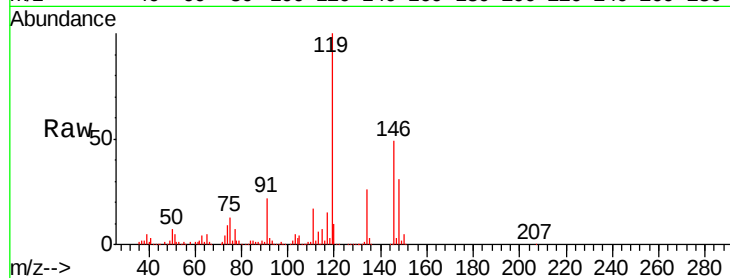
#87
 1,3-Dichlorobenzene
 Concen: 20.07 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.1	57.3
148	63.2	32.2	96.6

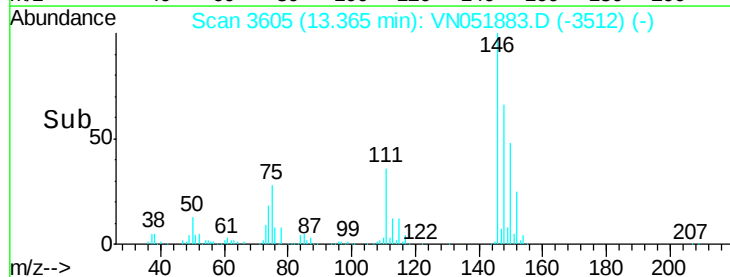
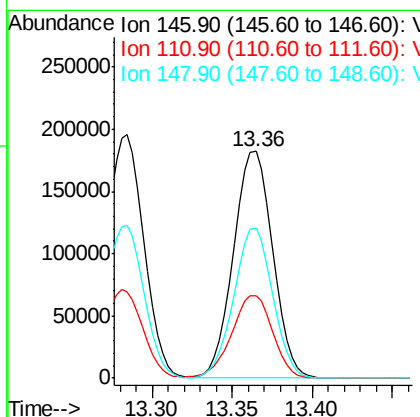
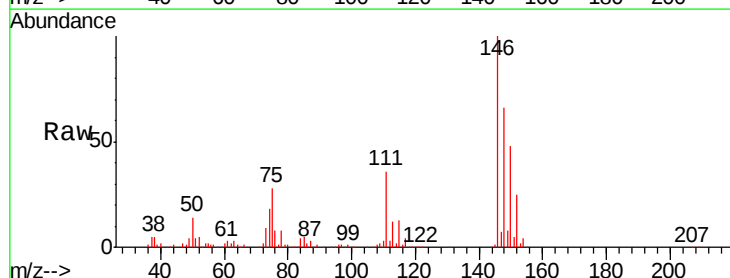
Manual Integrations
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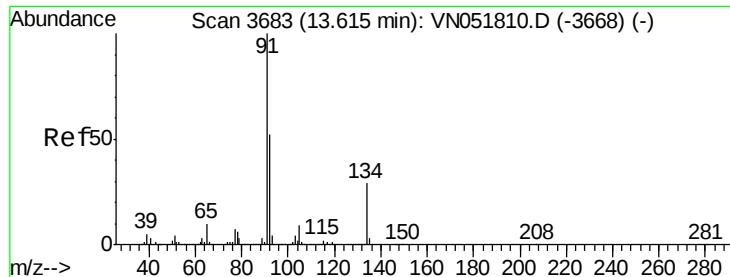
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 10/17/2018 1:11:46 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.3
148	65.6	32.2	96.6





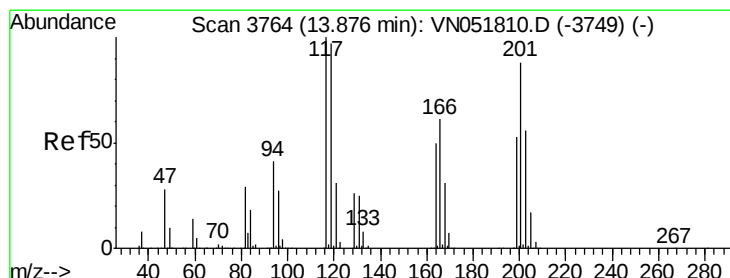
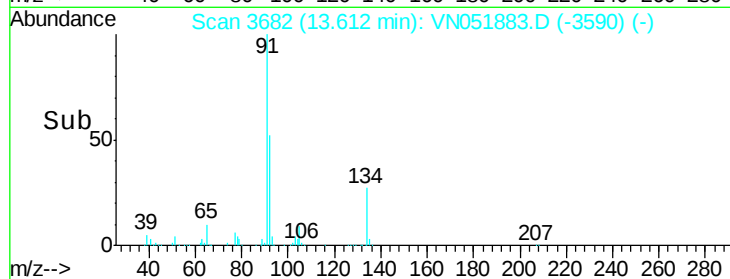
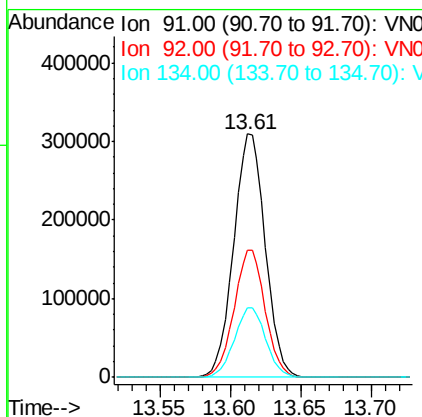
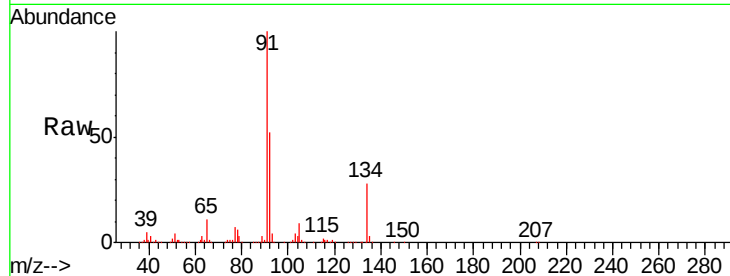
#89
n-Butylbenzene
Concen: 19.81 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.2
134	28.5	13.2	39.6

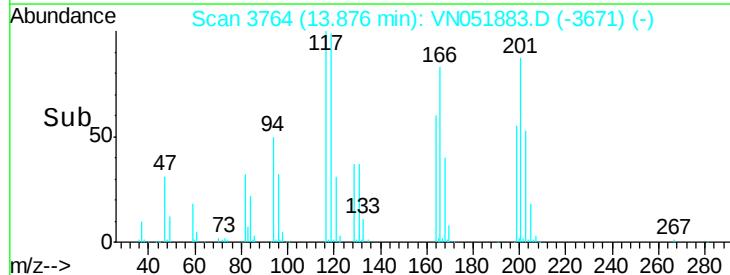
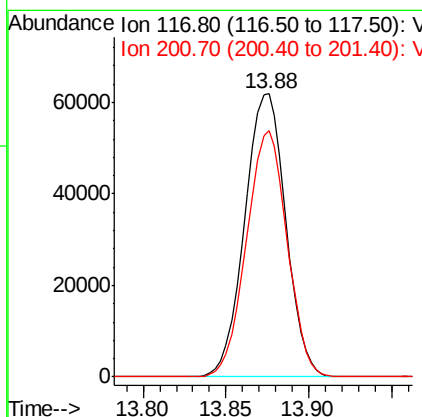
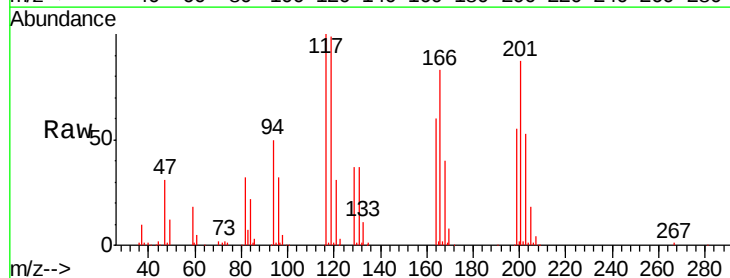
Manual Integrations
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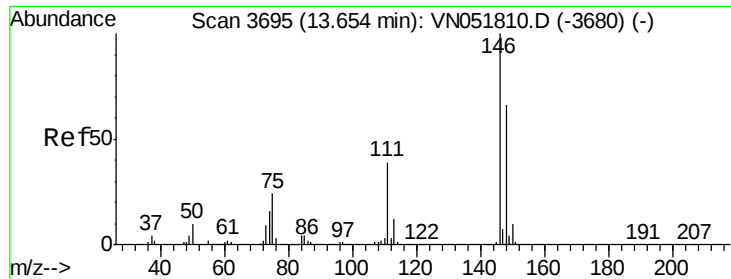
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#90
Hexachloroethane
Concen: 17.85 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	46.0	137.8





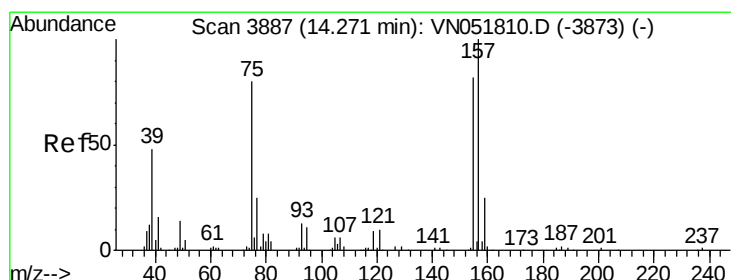
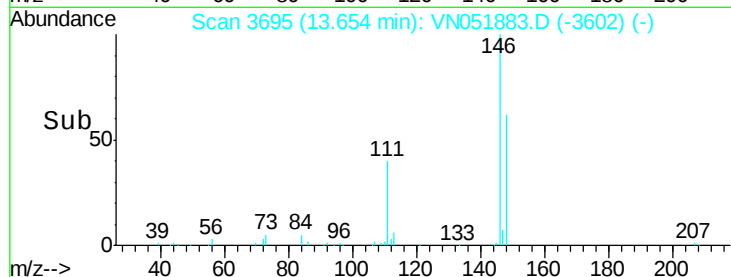
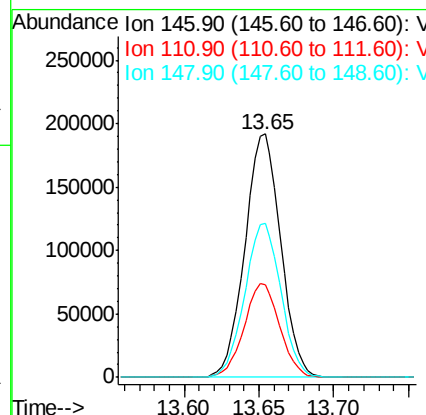
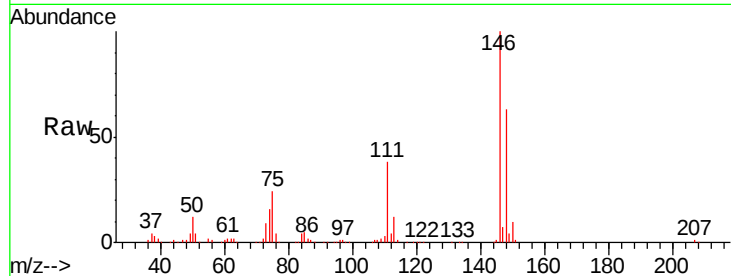
#91
 1,2-Dichlorobenzene
 Concen: 20.28 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	319539		
111	38.4	19.8	59.3	
148	63.8	32.3	96.8	

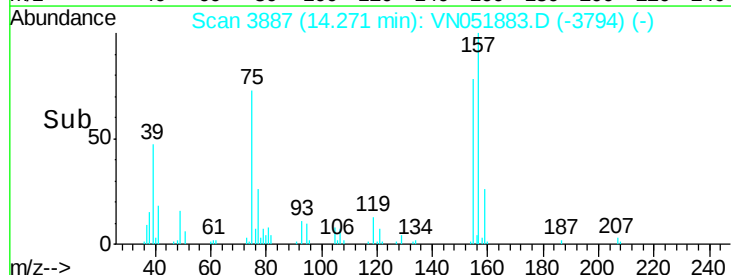
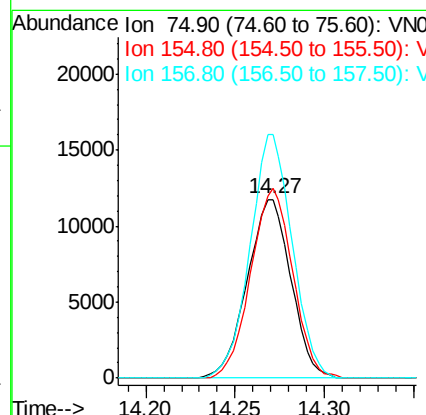
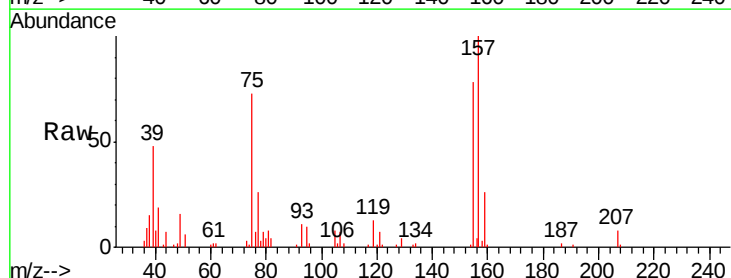
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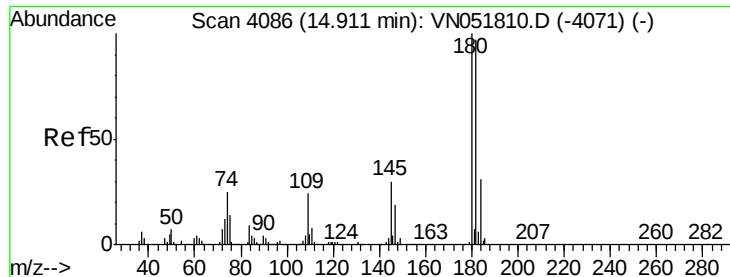
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.31 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20159		
155	101.8	46.4	139.1	
157	131.7	60.7	182.0	





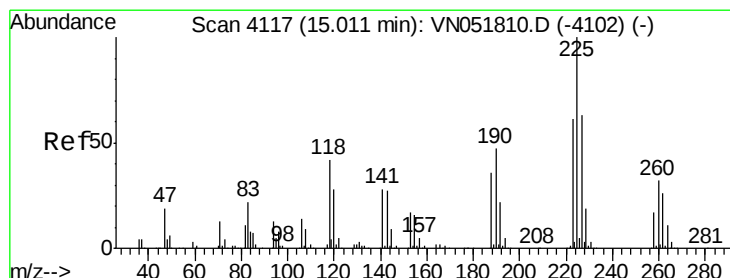
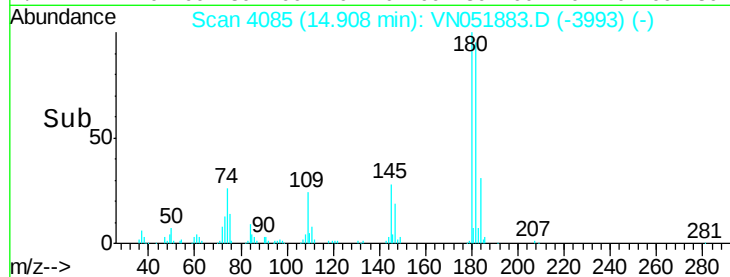
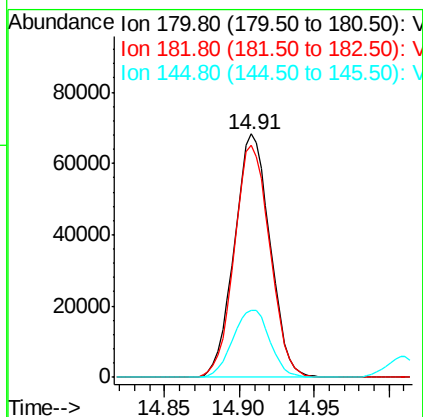
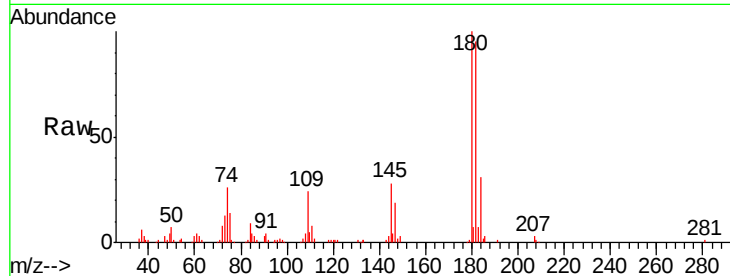
#93
 1,2,4-Trichlorobenzene
 Concen: 16.27 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	113236		
182	95.1	48.2	144.6	
145	28.7	14.1	42.2	

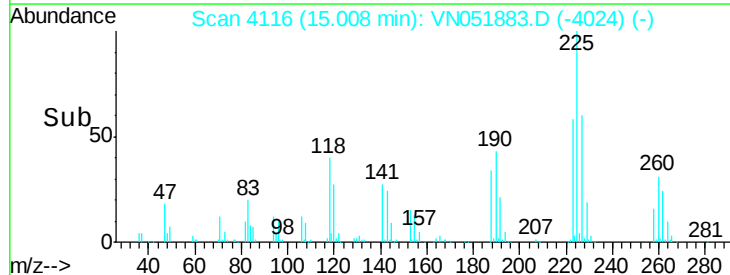
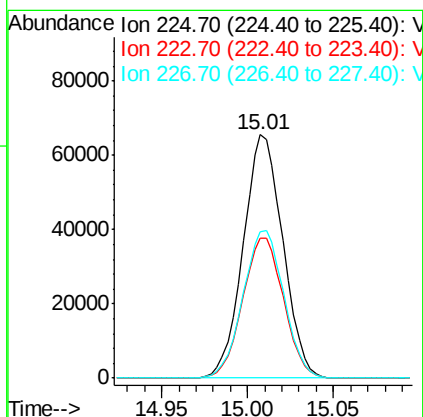
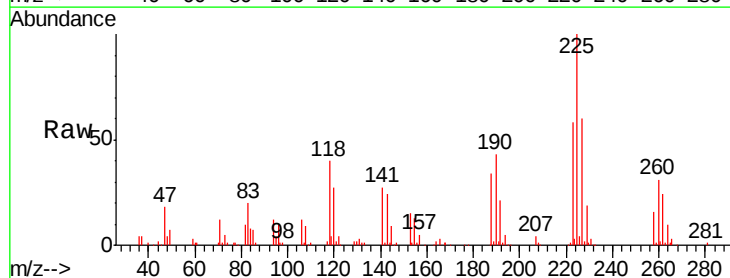
Manual Integrations
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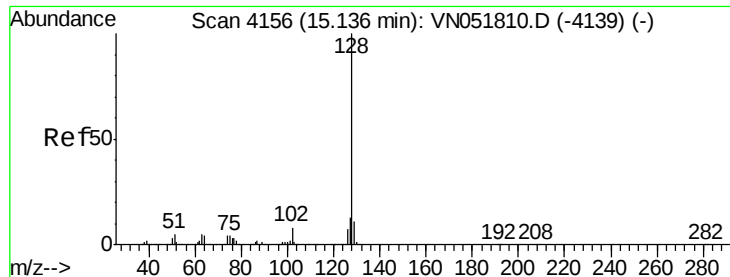
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#94
 Hexachlorobutadiene
 Concen: 20.61 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051883.D
 Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104950		
223	59.5	31.3	93.8	
227	62.6	32.0	96.2	





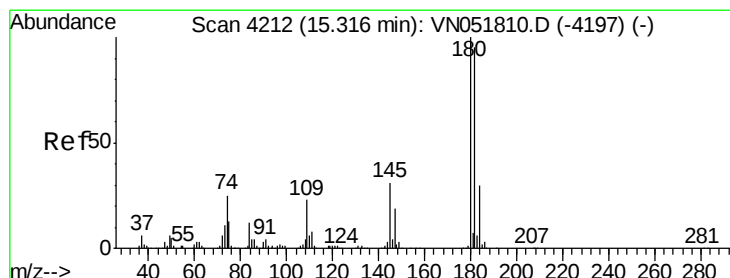
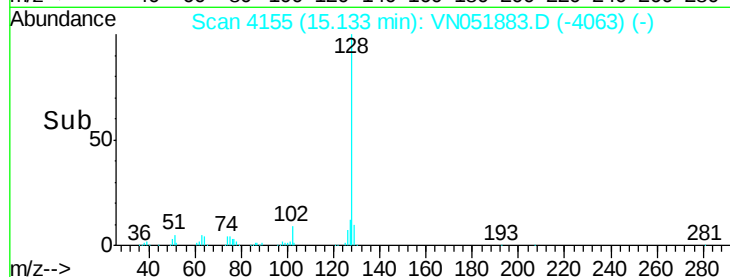
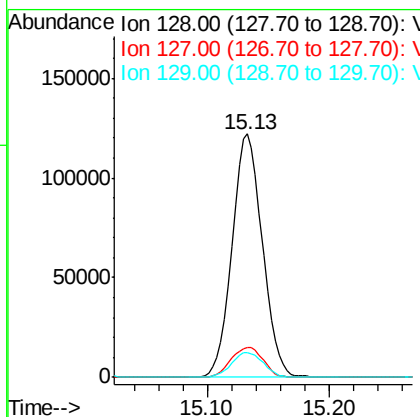
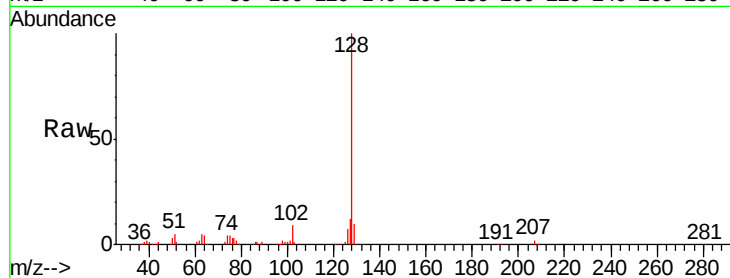
#95
Naphthalene
Concen: 14.88 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.00 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051883.D
Acq: 16 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	31.4	15.2	45.6

