

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
 Data File : VN051918.D
 Acq On : 18 Oct 2018 16:01
 Operator : MD\SY
 Sample : VN1018WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Manual Integrations
 APPROVED

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 10/19/2018 4:37:57 PM

Quant Time: Oct 19 07:10:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	984236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1464028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1301713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	567346	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	444515	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	7.59	113	449088	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	10.09	98	1614624	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
62) 4-Bromofluorobenzene	12.40	95	513001	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	110810	18.61	ug/l	98
3) Chloromethane	2.06	50	116422	20.01	ug/l	97
4) Vinyl Chloride	2.18	62	177811	20.23	ug/l	100
5) Bromomethane	2.57	94	168639	22.32	ug/l	97
6) Chloroethane	2.70	64	135003	21.17	ug/l	100
7) Trichlorofluoromethane	3.01	101	283468	20.93	ug/l	100
8) Diethyl Ether	3.41	74	83116	20.95	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	159313	20.50	ug/l	100
10) Methyl Iodide	3.95	142	186222	20.29	ug/l	100
11) Tert butyl alcohol	4.79	59	50971	95.60	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	144762	20.44	ug/l	97
13) Acrolein	3.61	56	32193	70.72	ug/l	98
14) Allyl chloride	4.33	41	158829	20.70	ug/l	99
15) Acrylonitrile	4.99	53	197425	101.41	ug/l	99
16) Acetone	3.82	43	139920	86.60	ug/l	100
17) Carbon Disulfide	4.05	76	316087	17.90	ug/l	98
18) Methyl Acetate	4.33	43	97783	18.60	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	415863	20.37	ug/l	97
20) Methylene Chloride	4.55	84	169435	20.63	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	161999	19.90	ug/l	98
22) Diisopropyl ether	5.96	45	367873	20.57	ug/l	97
23) Vinyl Acetate	5.90	43	1236989	100.49	ug/l	100
24) 1,1-Dichloroethane	5.85	63	270074	20.86	ug/l	99
25) 2-Butanone	6.84	43	221177	95.78	ug/l	97
26) 2,2-Dichloropropane	6.82	77	233177	19.04	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	196709	20.79	ug/l	98
28) Bromochloromethane	7.19	49	109583	20.84	ug/l	98
29) Tetrahydrofuran	7.22	42	139531	98.93	ug/l	100
30) Chloroform	7.37	83	320372	20.68	ug/l	98
31) Cyclohexane	7.65	56	220723	19.35	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	297891	20.62	ug/l	99
36) 1,1-Dichloropropene	7.80	75	219709	19.34	ug/l	100
37) Ethyl Acetate	6.94	43	93574	17.03	ug/l	98
38) Carbon Tetrachloride	7.78	117	258830	19.34	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	269857	19.18	ug/l	99
40) Benzene	8.04	78	680221	20.49	ug/l	99
41) Methacrylonitrile	7.18	41	48440	18.77	ug/l	89
42) 1,2-Dichloroethane	8.13	62	215284	20.24	ug/l	100
43) Isopropyl Acetate	8.17	43	200732	18.59	ug/l #	88
44) Trichloroethene	8.84	130	209944	20.15	ug/l	99
45) 1,2-Dichloropropane	9.12	63	159565	20.79	ug/l	98
46) Dibromomethane	9.21	93	120156	20.54	ug/l	97
47) Bromodichloromethane	9.40	83	241375	20.58	ug/l	98
48) Methyl methacrylate	9.20	41	89179	19.44	ug/l	98
49) 1,4-Dioxane	9.20	88	33184	380.88	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	535080	101.16	ug/l	99
52) Toluene	10.16	92	457839	20.62	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	215189	19.36	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	247052	19.94	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	167063	20.53	ug/l	99
56) Ethyl methacrylate	10.43	69	179452	19.73	ug/l	99
57) 1,3-Dichloropropane	10.71	76	254686	20.56	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	363451	88.59	ug/l	98
59) 2-Hexanone	10.75	43	327636	92.37	ug/l	99
60) Dibromochloromethane	10.90	129	191194	18.86	ug/l	100
61) 1,2-Dibromoethane	11.00	107	170917	20.03	ug/l	100
64) Tetrachloroethene	10.63	164	207061	19.82	ug/l	99
65) Chlorobenzene	11.43	112	522139	20.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	194323	20.06	ug/l	98
67) Ethyl Benzene	11.51	91	855668	20.07	ug/l	100
68) m/p-Xylenes	11.62	106	684604	39.99	ug/l	99
69) o-Xylene	11.95	106	334594	20.06	ug/l	95
70) Styrene	11.97	104	507459	19.77	ug/l	99
71) Bromoform	12.13	173	114641	17.95	ug/l #	98
73) Isopropylbenzene	12.25	105	905389	20.61	ug/l	100
74) N-amyl acetate	12.07	43	144059	19.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	182475	20.56	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	144984m	21.03	ug/l	
77) Bromobenzene	12.53	156	224794	20.11	ug/l	97
78) n-propylbenzene	12.59	91	936037	20.47	ug/l	99
79) 2-Chlorotoluene	12.67	91	567544	21.92	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	734207	20.68	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35710	17.17	ug/l	92
82) 4-Chlorotoluene	12.77	91	545038	20.40	ug/l	100
83) tert-Butylbenzene	12.99	119	680312	20.39	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	738337	21.15	ug/l	98
85) sec-Butylbenzene	13.17	105	876764	20.67	ug/l	98
86) p-Isopropyltoluene	13.29	119	773944	21.06	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	372815	19.79	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	360223	19.46	ug/l	97
89) n-Butylbenzene	13.62	91	544189	20.41	ug/l	99
90) Hexachloroethane	13.88	117	123977	20.17	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	374213	20.51	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23951	20.14	ug/l	98

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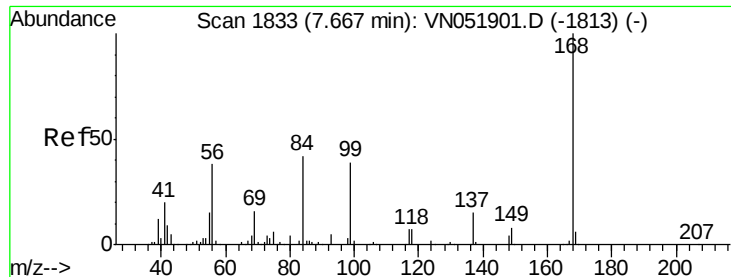
Manual Integrations
APPROVED

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10/19/2018 4:37:57 PM

Quant Time: Oct 19 07:10:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	133557	17.40	ug/l	98
94) Hexachlorobutadiene	15.01	225	116279	20.13	ug/l	99
95) Naphthalene	15.13	128	258422	16.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	144891	18.34	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: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion:168 Resp: 984236

Ion Ratio Lower Upper

168 100

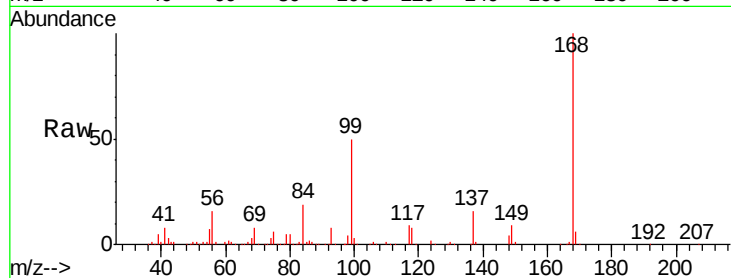
99 49.3 39.2 58.8

Manual Integrations

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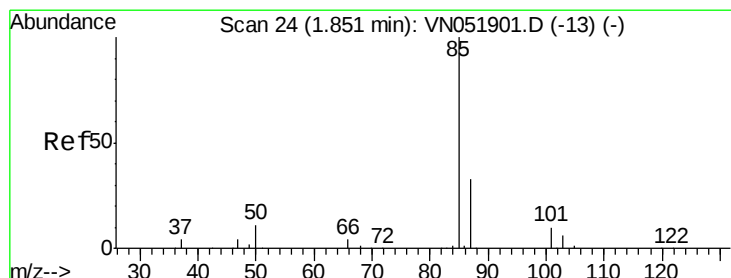
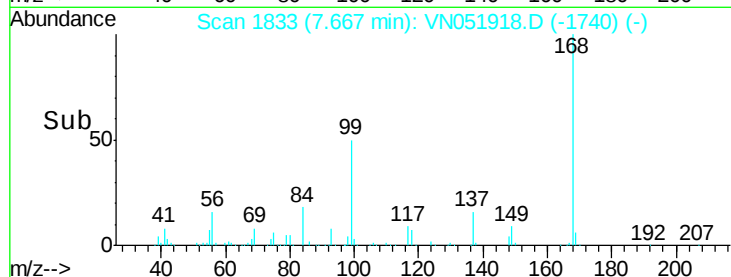
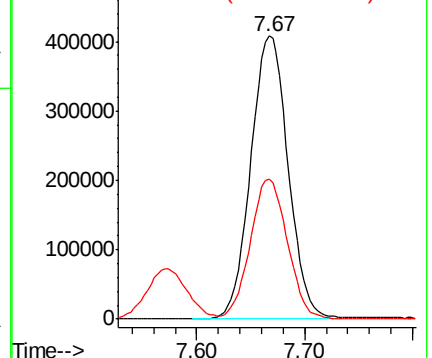
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Abundance Ion 167.90 (167.60 to 168.60): VN051901.D

Ion 98.90 (98.60 to 99.60): VN051901.D



#2

Dichlorodifluoromethane

Concen: 18.61 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051918.D

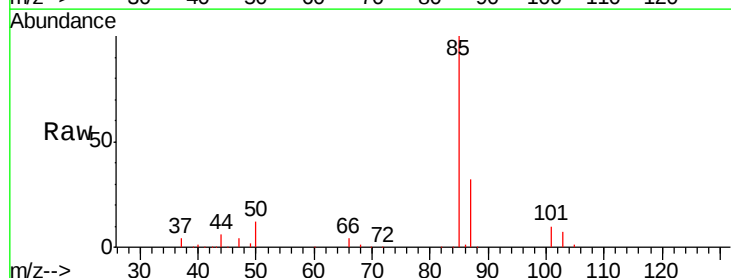
Acq: 18 Oct 2018 16:01

Tgt Ion: 85 Resp: 110810

Ion Ratio Lower Upper

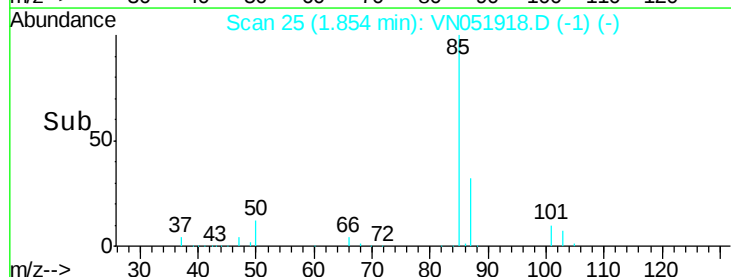
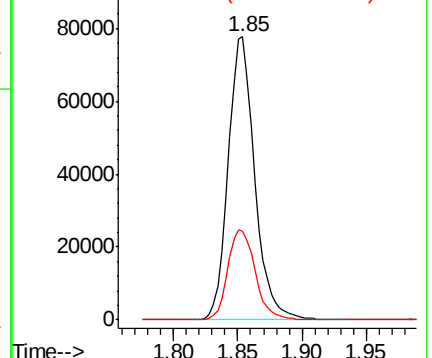
85 100

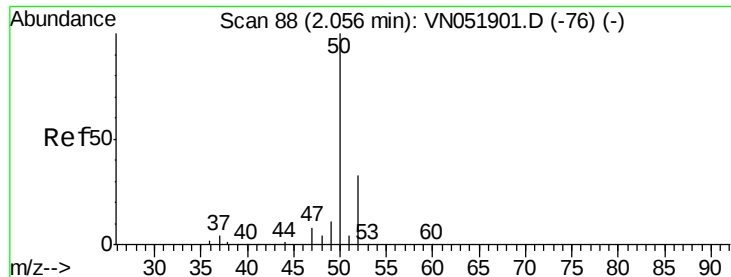
87 31.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN051901.D

Ion 86.90 (86.60 to 87.60): VN051901.D





#3

Chloromethane

Concen: 20.01 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion: 50 Resp: 116422

Ion Ratio Lower Upper

50 100

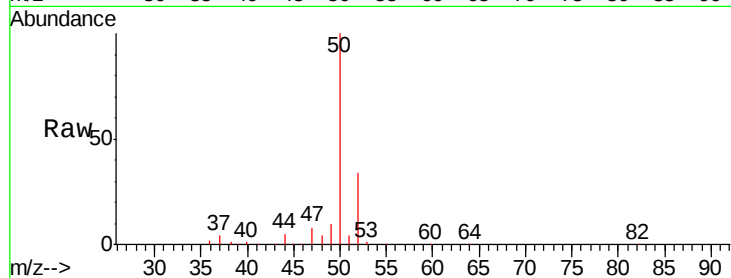
52 34.3 26.3 39.5

Manual Integrations

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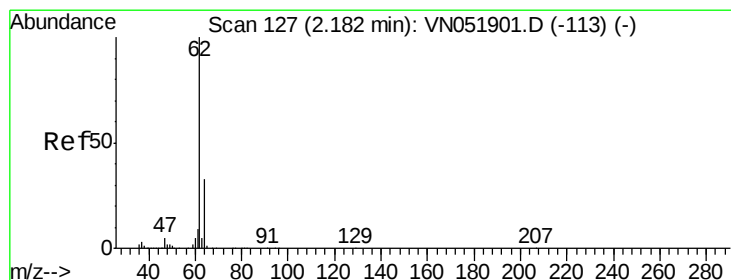
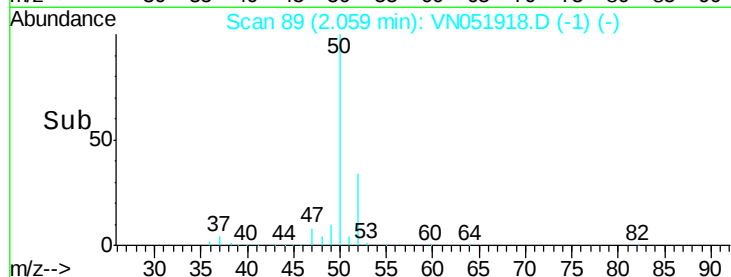
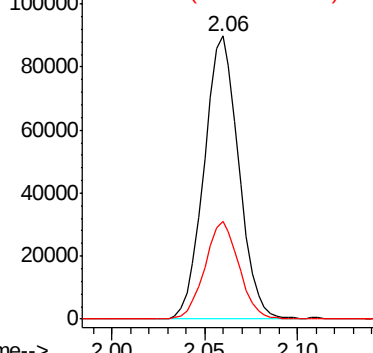
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.23 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051918.D

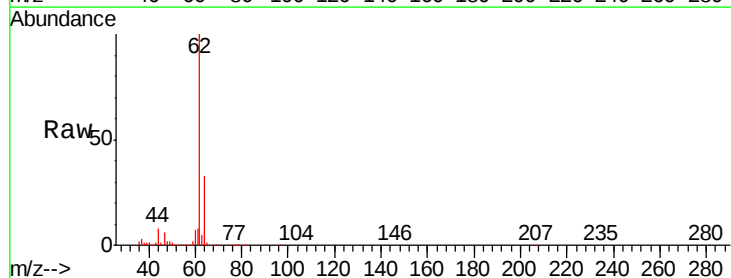
Acq: 18 Oct 2018 16:01

Tgt Ion: 62 Resp: 177811

Ion Ratio Lower Upper

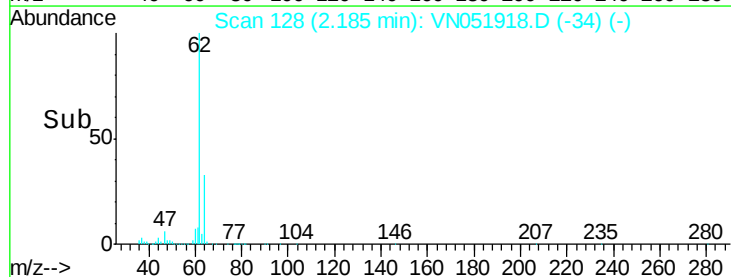
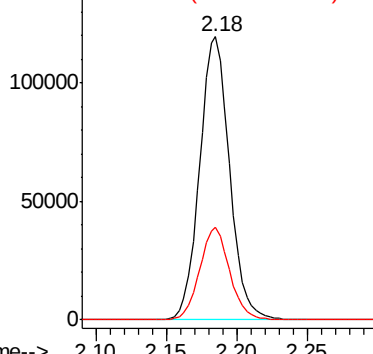
62 100

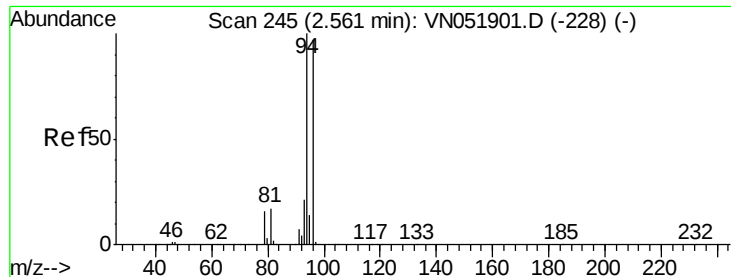
64 32.5 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 22.32 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion: 94 Resp: 168639

Ion Ratio Lower Upper

94 100

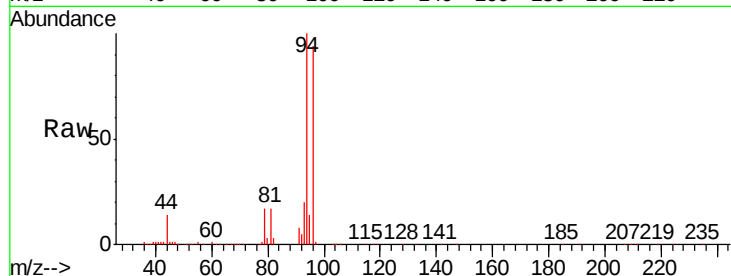
96 94.0 77.5 116.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

80000

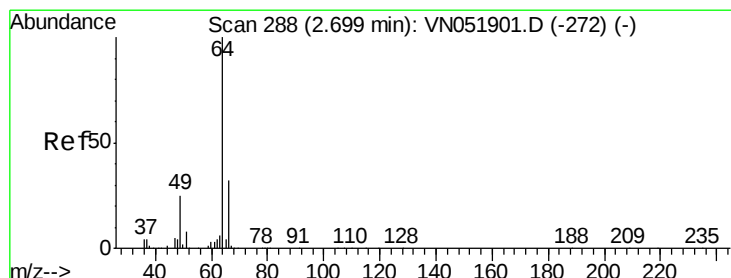
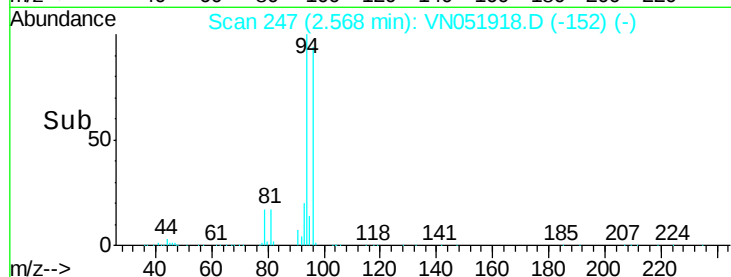
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 21.17 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051918.D

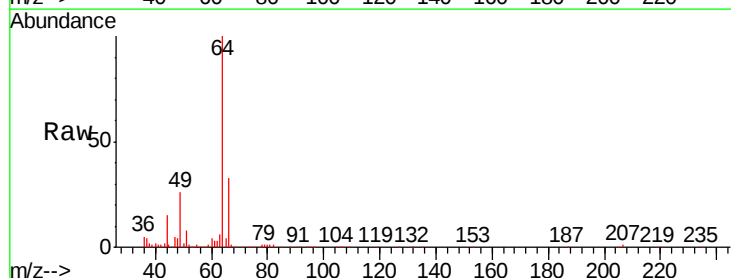
Acq: 18 Oct 2018 16:01

Tgt Ion: 64 Resp: 135003

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

80000

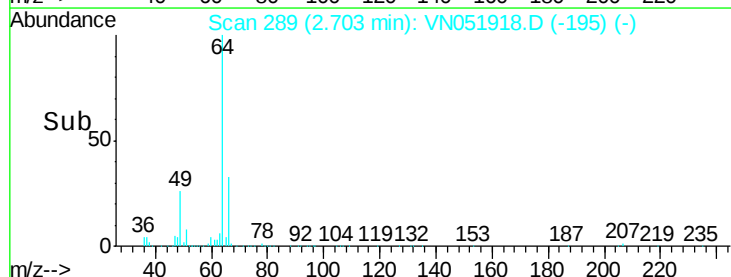
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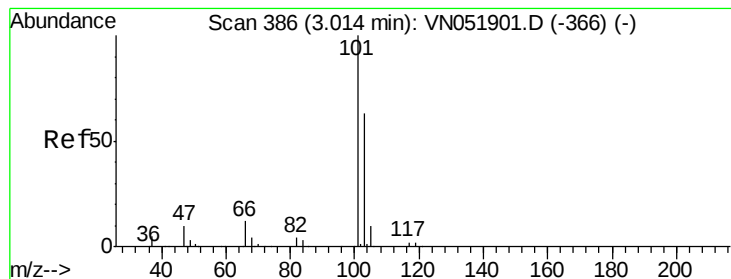
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20000

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Time-->





#7

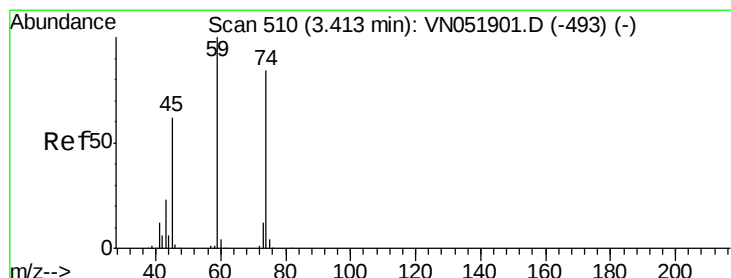
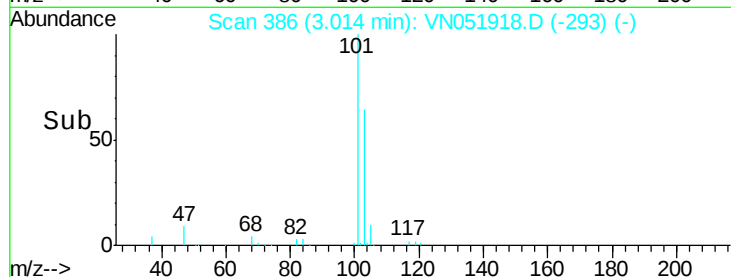
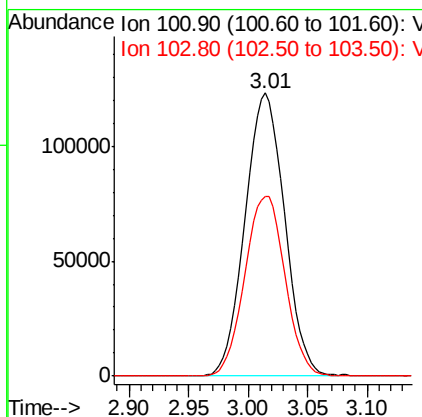
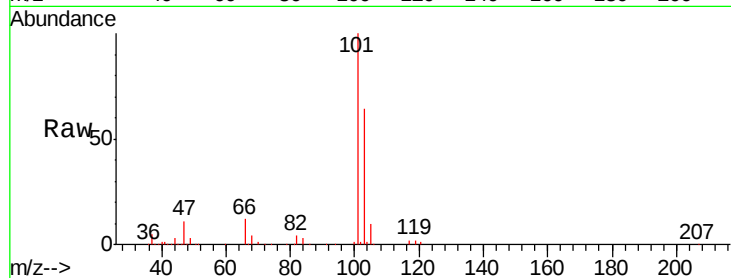
Trichlorofluoromethane
 Concen: 20.93 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
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 ClientSampleId :
 VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.8	76.2

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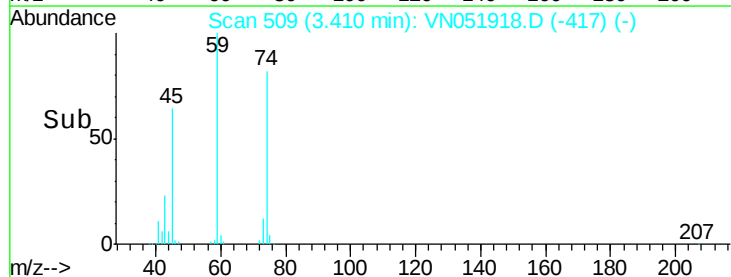
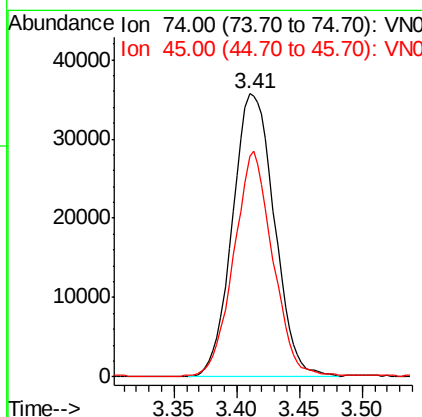
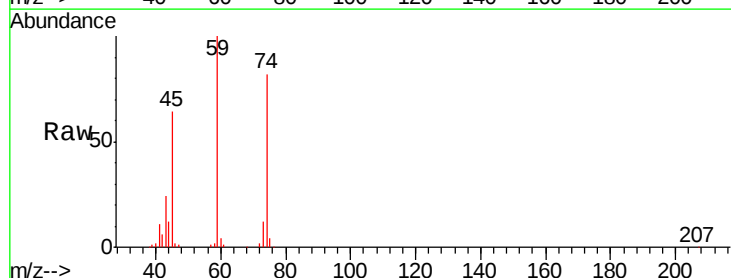
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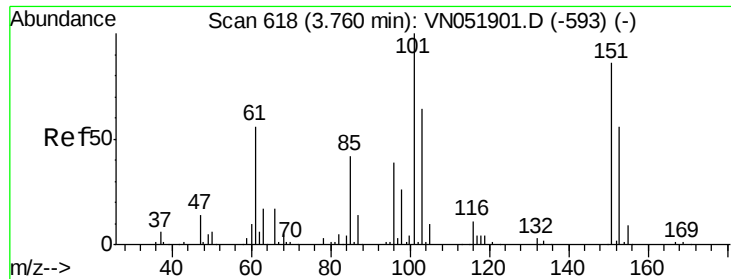


#8

Diethyl Ether
 Concen: 20.95 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.5	36.8	110.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.50 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

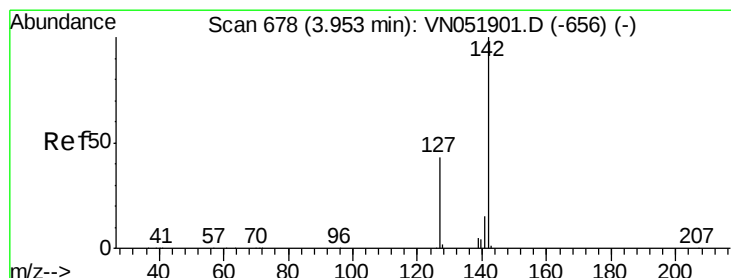
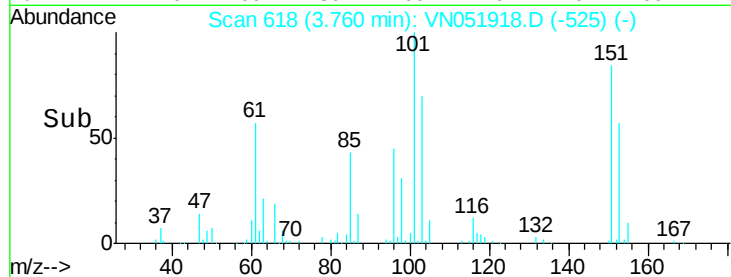
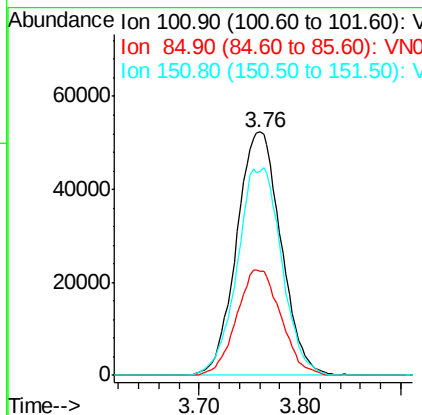
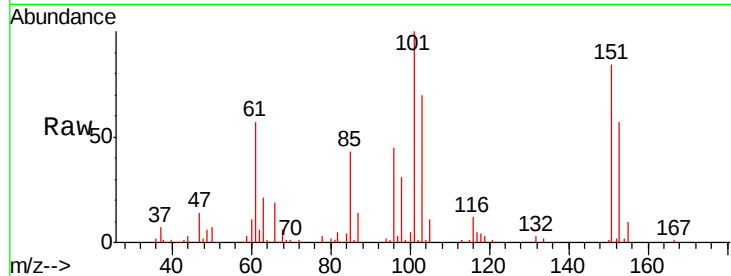
ClientSampleId :

VN1018WBSD02

Tgt Ion:	101	Resp:	159313
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.8	52.2
151	85.6	68.0	102.0

Manual Integrations
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#10

Methyl Iodide

Concen: 20.29 ug/l

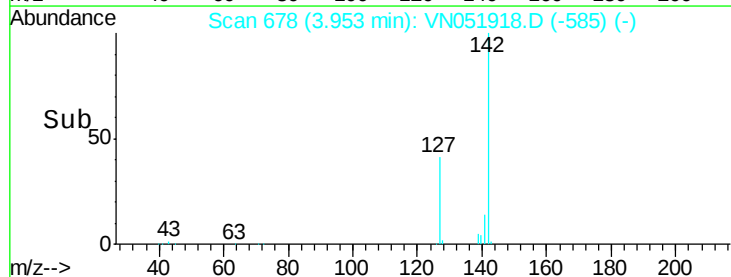
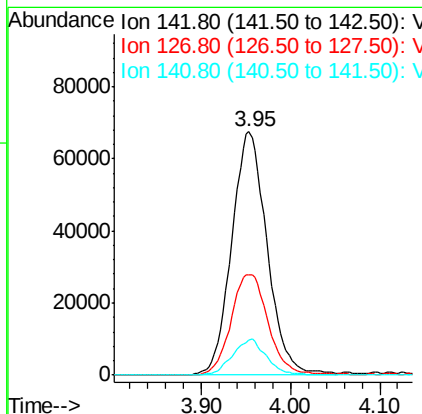
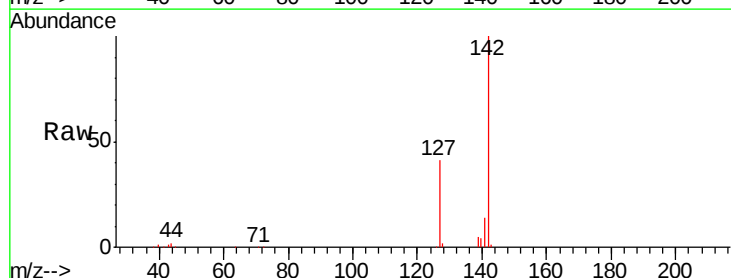
RT: 3.95 min Scan# 678

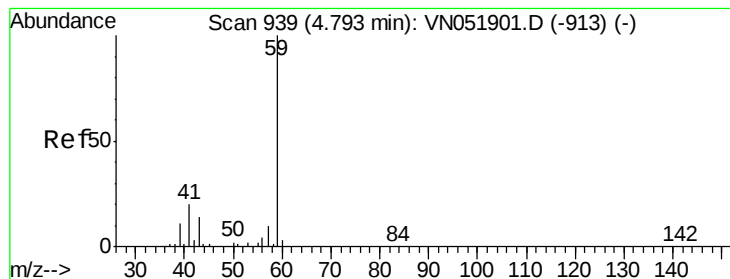
Delta R.T. 0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Tgt Ion:	142	Resp:	186222
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.3	51.5
141	14.1	11.1	16.7





#11

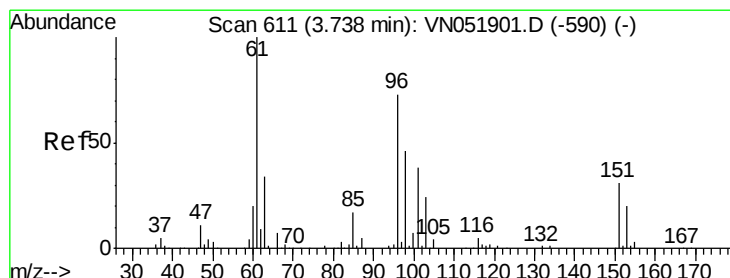
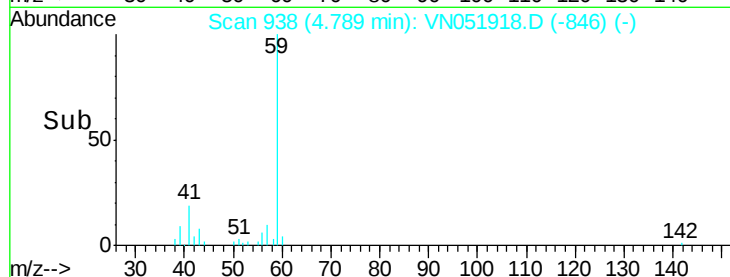
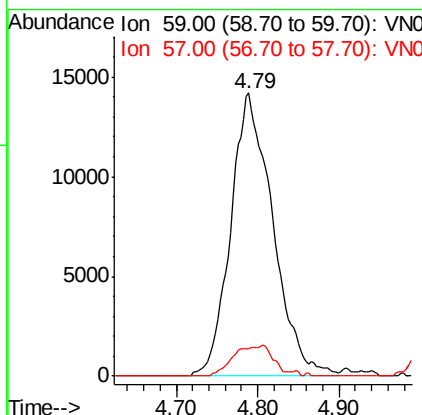
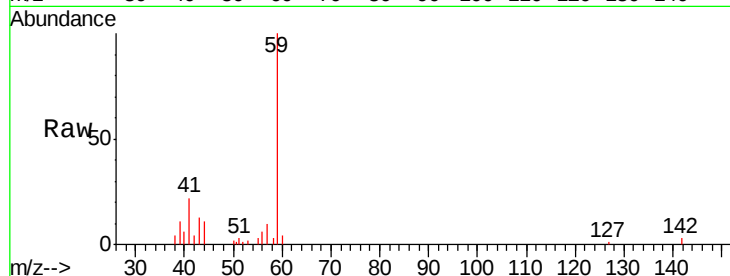
Tert butyl alcohol
 Concen: 95.60 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

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

Manual Integrations
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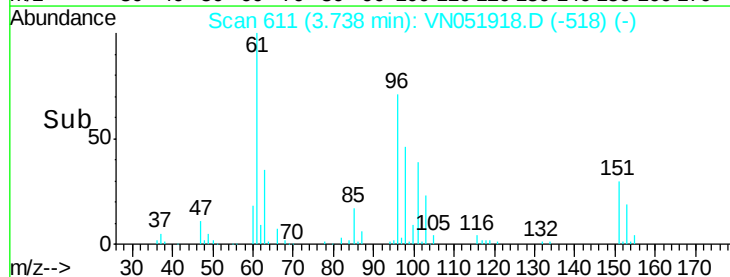
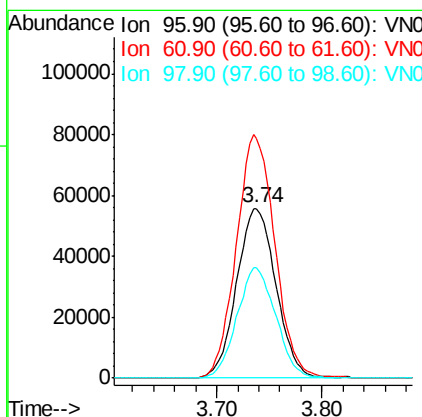
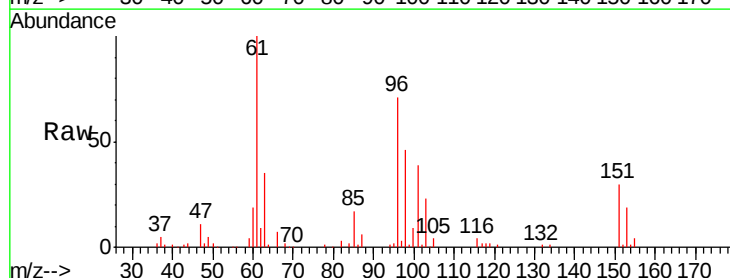
MMDadoda
 10/19/2018 4:37:57 PM

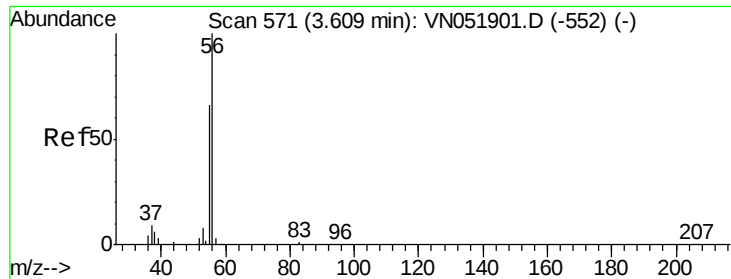


#12

1,1-Dichloroethene
 Concen: 20.44 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.4	109.8	164.6
98	64.8	50.9	76.3





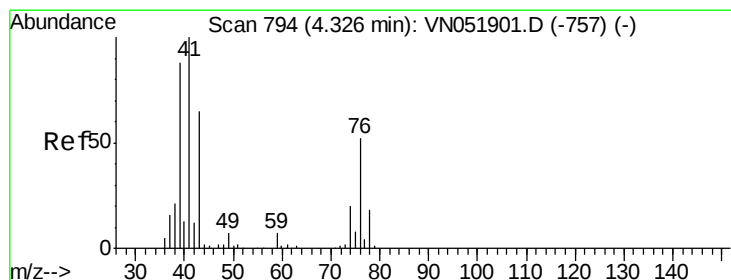
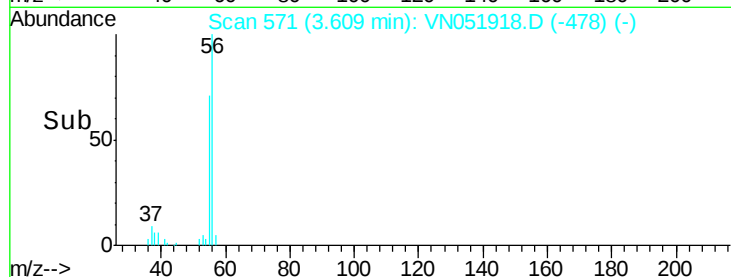
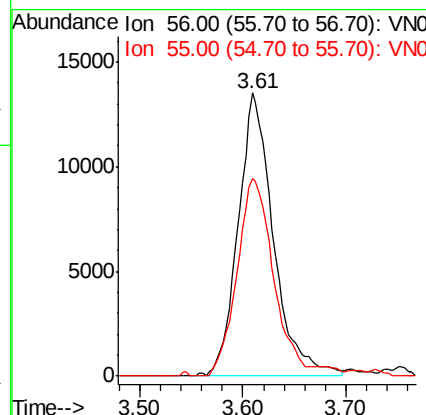
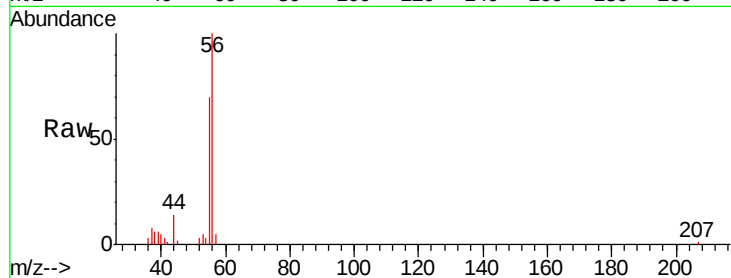
#13
Acrolein
Concen: 70.72 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion: 56 Resp: 32193
Ion Ratio Lower Upper
56 100
55 72.5 56.7 85.1

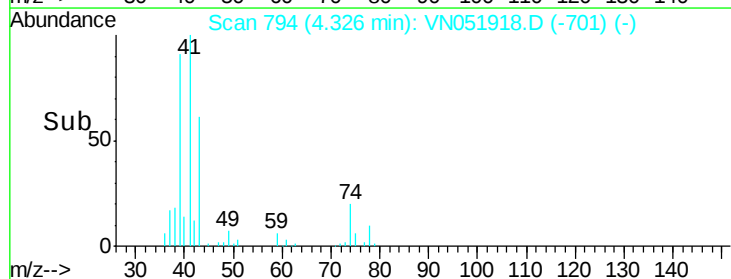
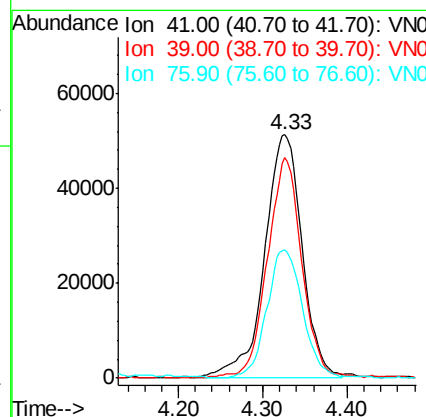
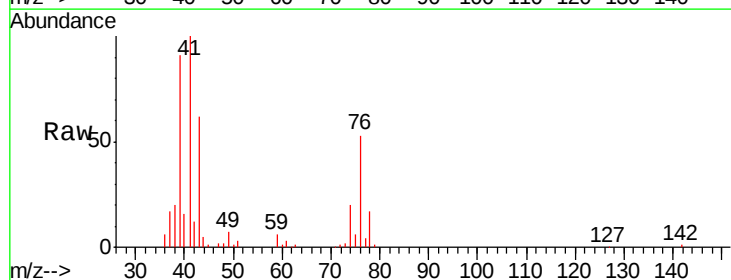
Manual Integrations
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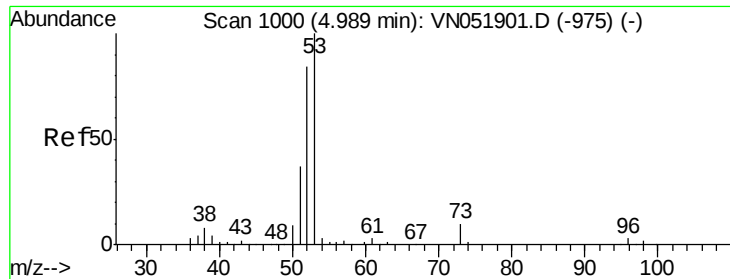
MMDadoda
10/19/2018 4:37:57 PM



#14
Allyl chloride
Concen: 20.70 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion: 41 Resp: 158829
Ion Ratio Lower Upper
41 100
39 83.5 65.4 98.0
76 49.1 39.6 59.4





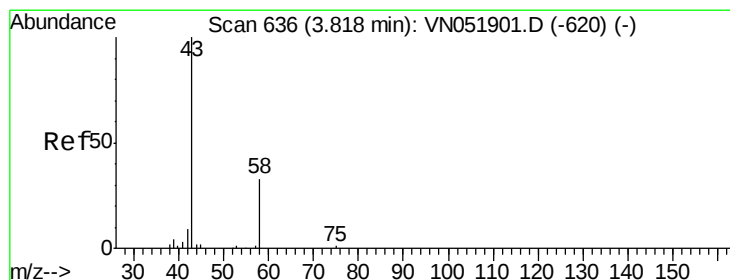
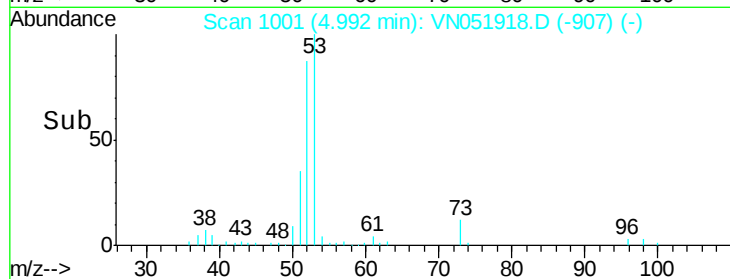
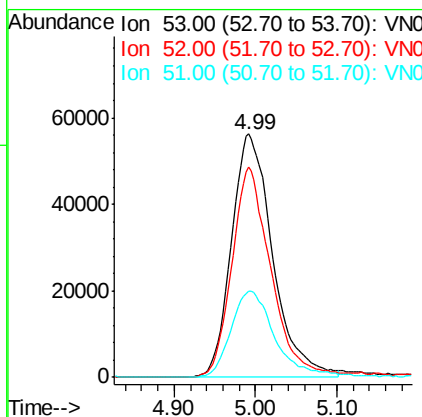
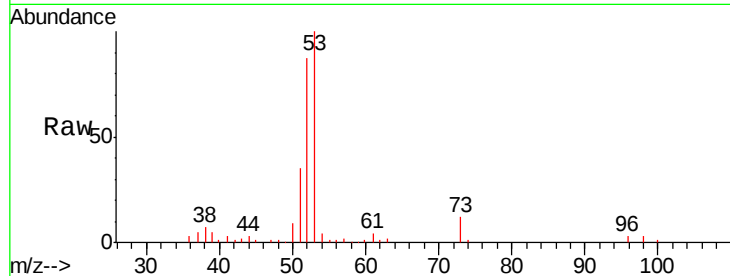
#15
 Acrylonitrile
 Concen: 101.41 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.8	98.8
51	38.0	29.4	44.2

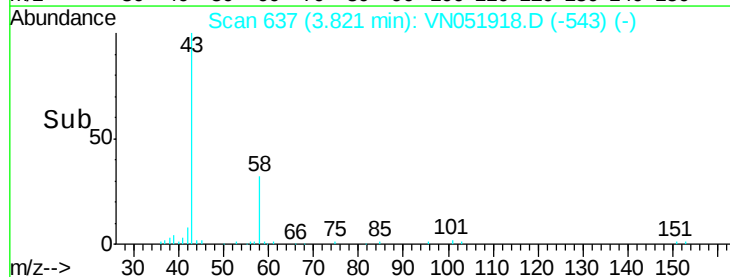
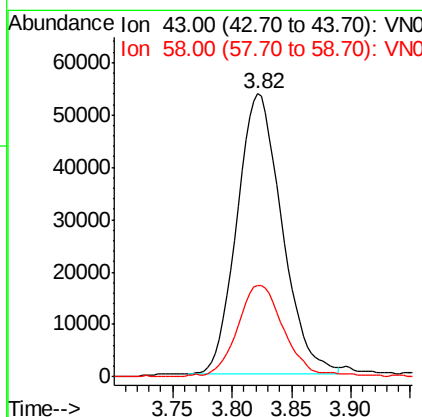
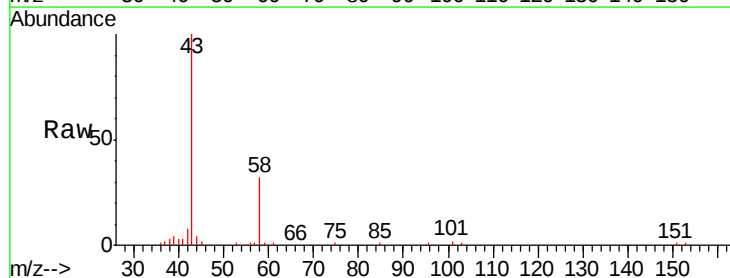
Manual Integrations
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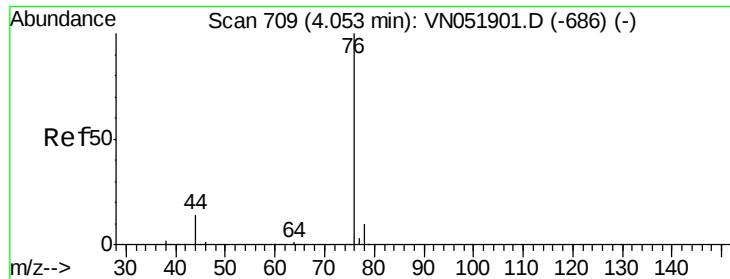
MMDadoda
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#16
 Acetone
 Concen: 86.60 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.9	38.9





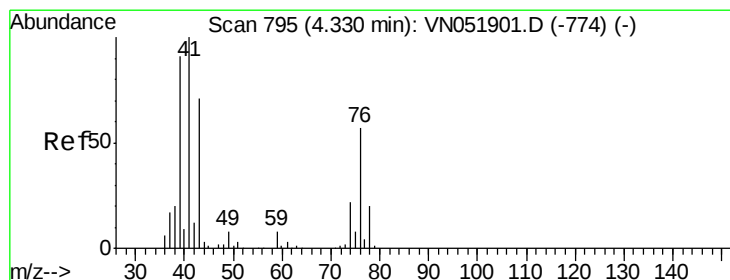
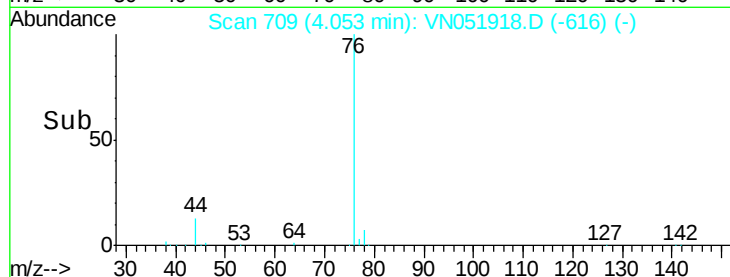
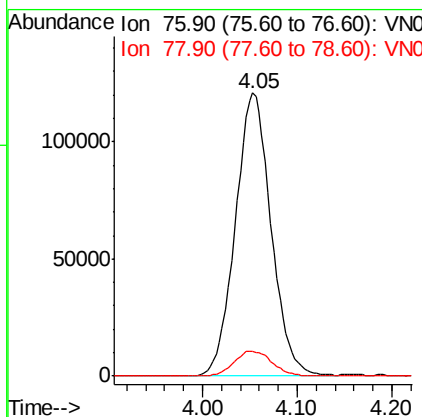
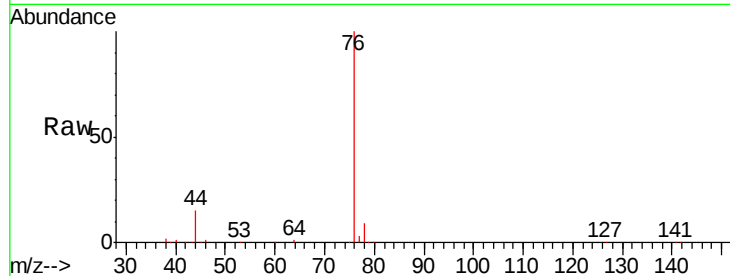
#17
Carbon Disulfide
Concen: 17.90 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion: 76 Resp: 316087
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4

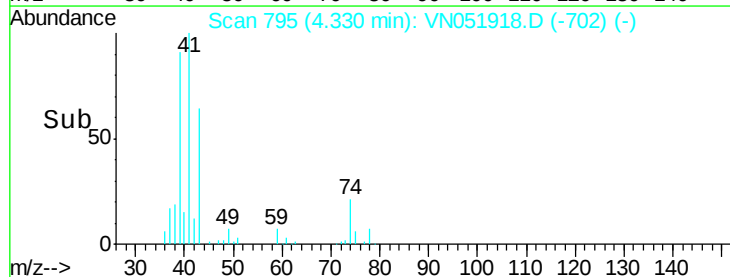
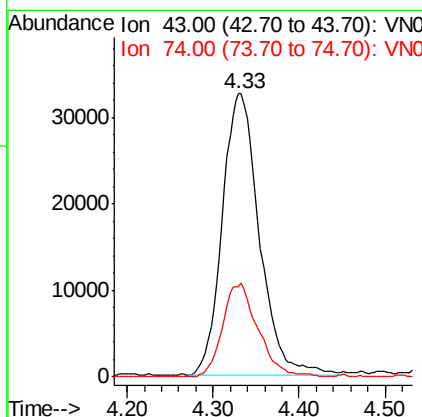
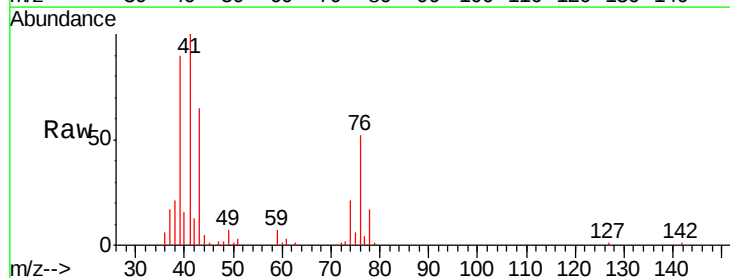
Manual Integrations
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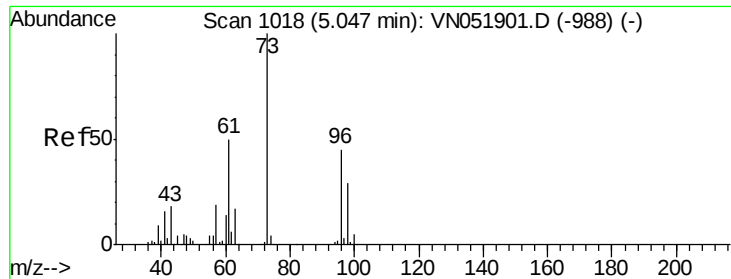
MMDadoda
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#18
Methyl Acetate
Concen: 18.60 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion: 43 Resp: 97783
Ion Ratio Lower Upper
43 100
74 31.5 24.9 37.3





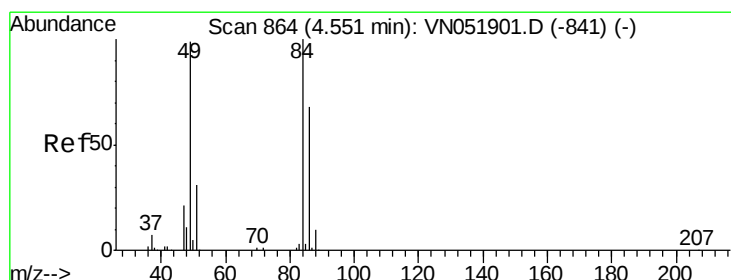
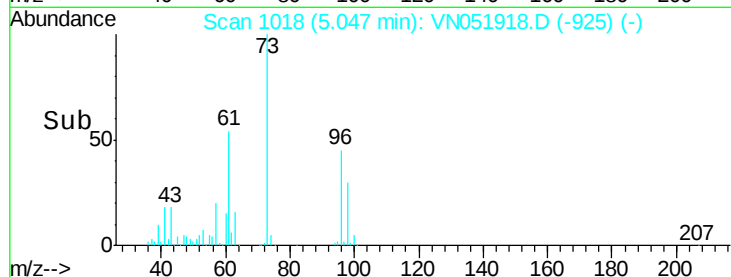
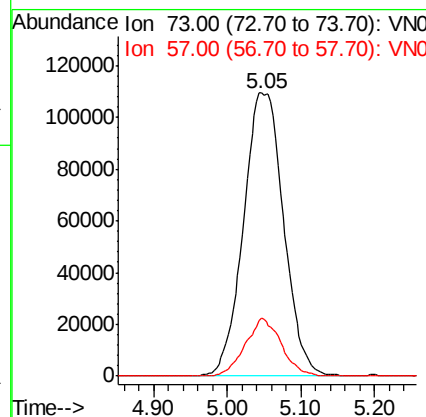
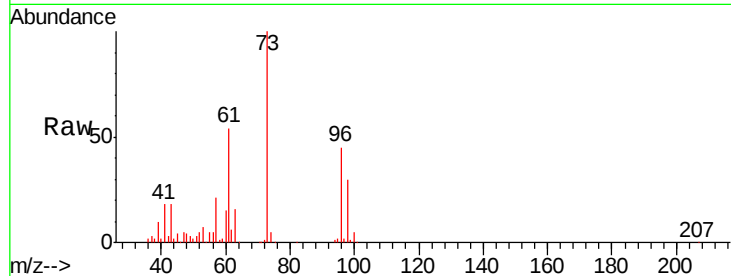
#19
Methyl tert-butyl Ether
Concen: 20.37 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion: 73 Resp: 415863
Ion Ratio Lower Upper
73 100
57 20.6 15.3 22.9

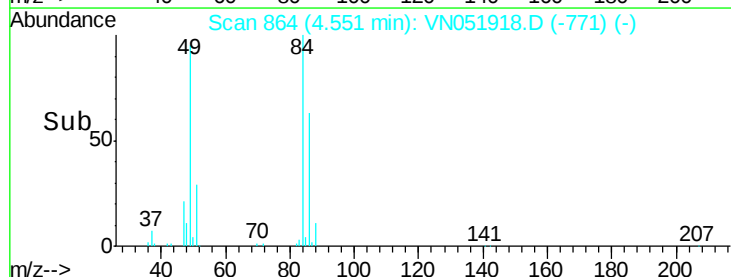
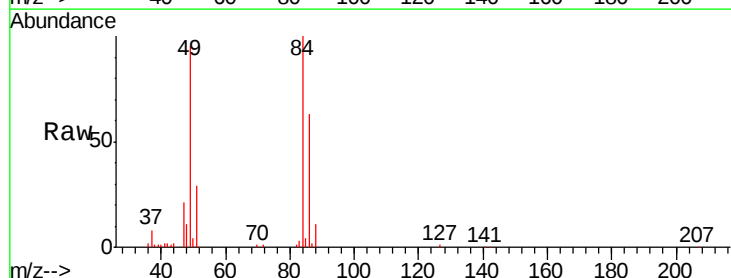
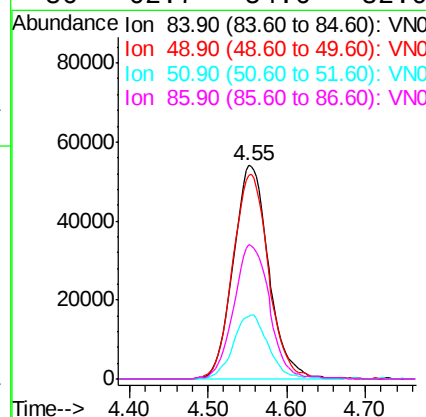
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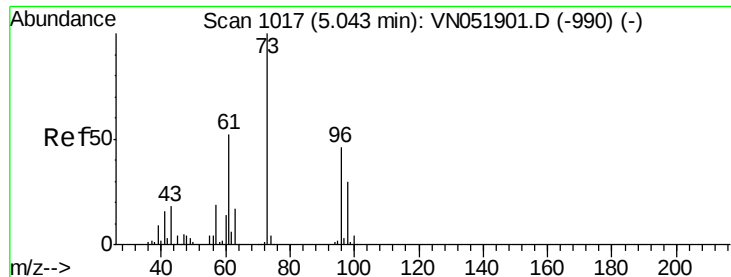
MMDadoda
10/19/2018 4:37:57 PM



#20
Methylene Chloride
Concen: 20.63 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion: 84 Resp: 169435
Ion Ratio Lower Upper
84 100
49 95.4 79.0 118.4
51 29.2 24.9 37.3
86 62.7 54.6 82.0





#21

trans-1,2-Dichloroethene

Concen: 19.90 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

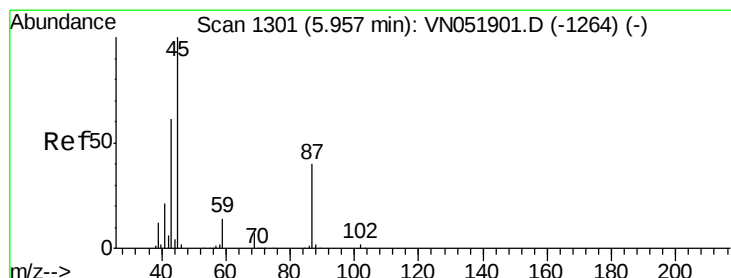
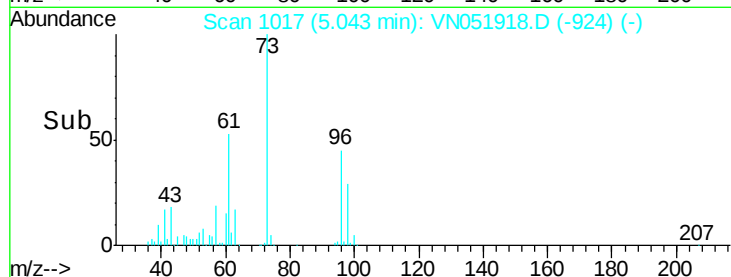
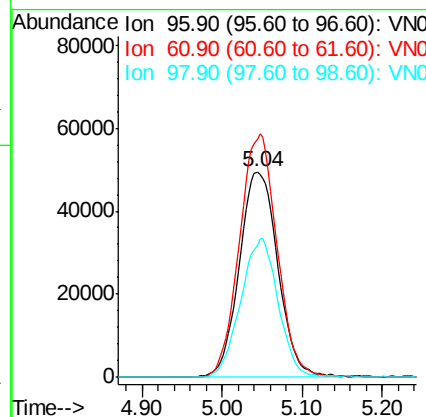
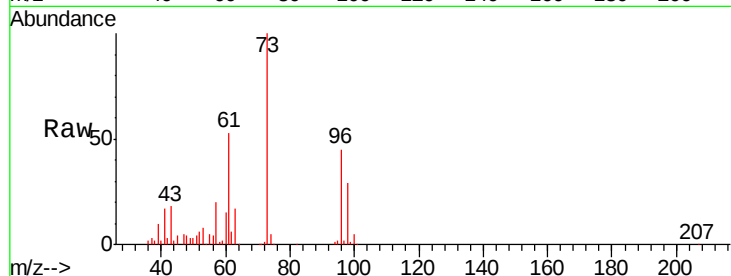
ClientSampleId :

VN1018WBSD02

Tgt Ion:	96	Resp:	161999
Ion	Ratio	Lower	Upper
96	100		
61	116.0	89.8	134.6
98	64.5	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.57 ug/l

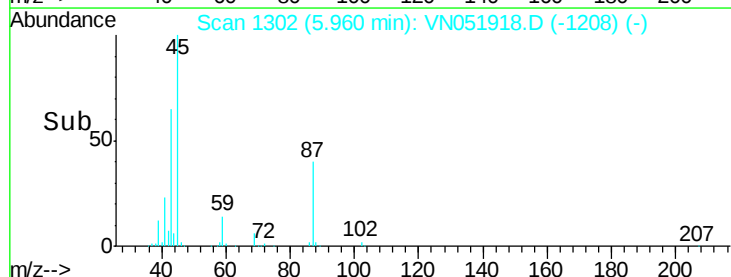
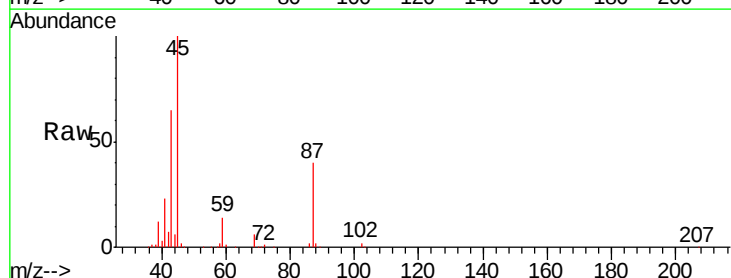
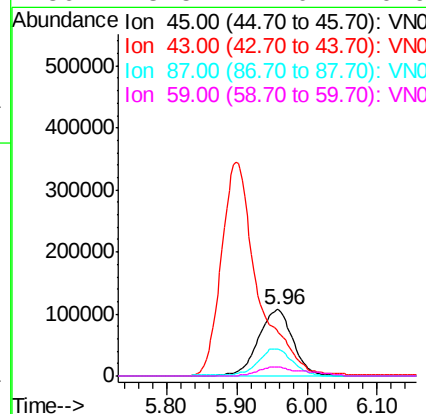
RT: 5.96 min Scan# 1302

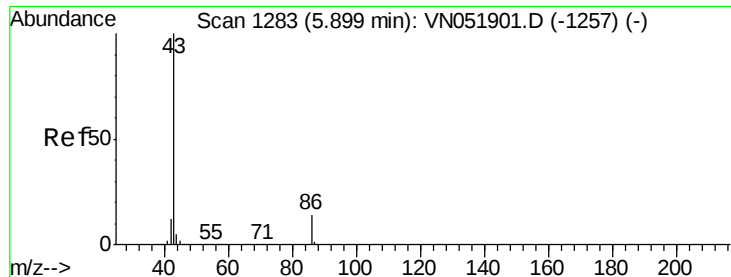
Delta R.T. 0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Tgt Ion:	45	Resp:	367873
Ion	Ratio	Lower	Upper
45	100		
43	63.9	48.9	73.3
87	39.4	32.6	48.8
59	13.5	11.0	16.6





#23

Vinyl Acetate

Concen: 100.49 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion: 43 Resp: 1236989

Ion Ratio Lower Upper

43 100

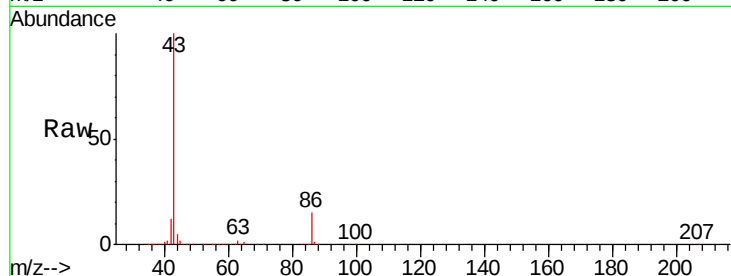
86 14.6 11.5 17.3

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

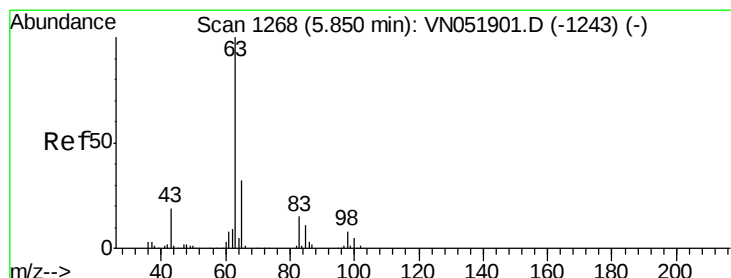
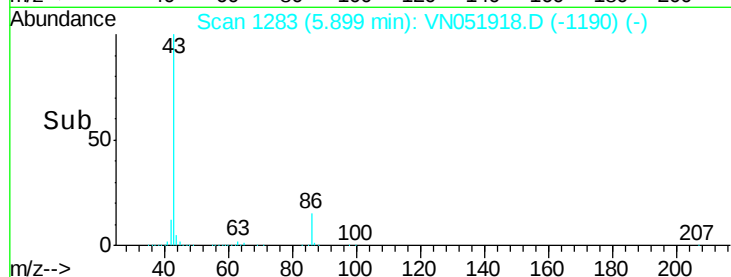
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.86 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

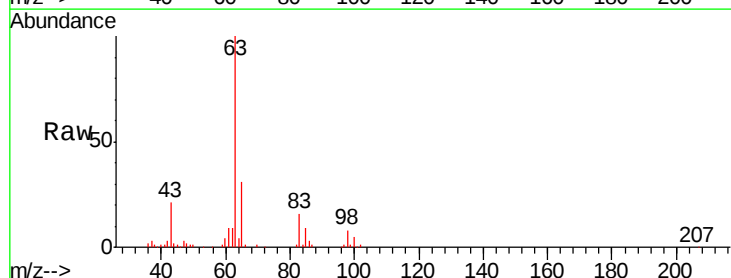
Tgt Ion: 63 Resp: 270074

Ion Ratio Lower Upper

63 100

98 7.6 4.0 12.0

100 4.9 2.4 7.1



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

5.85

100000

80000

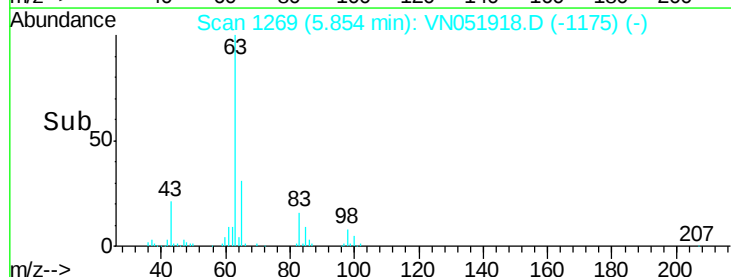
60000

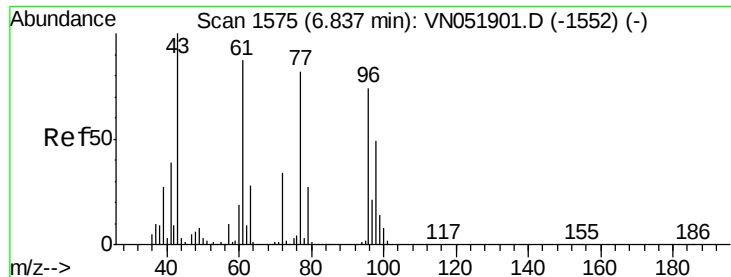
40000

20000

0

Time-->





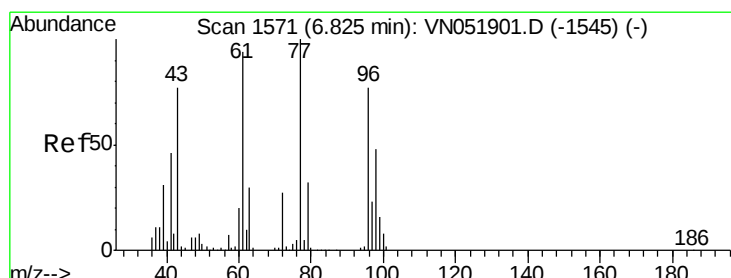
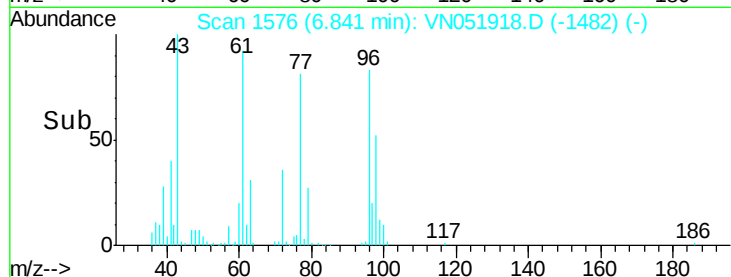
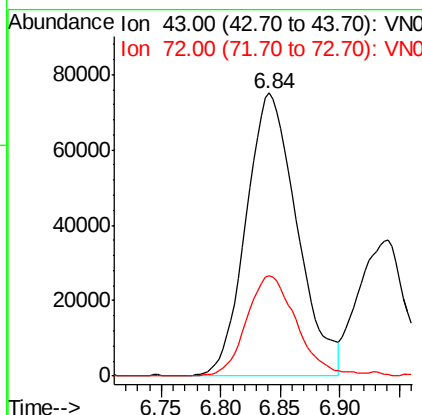
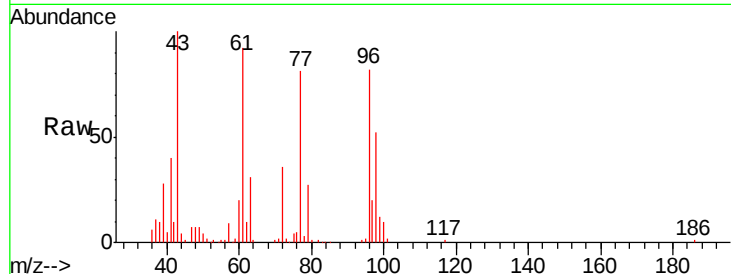
#25
2-Butanone
Concen: 95.78 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion: 43 Resp: 221177
Ion Ratio Lower Upper
43 100
72 35.7 27.0 40.6

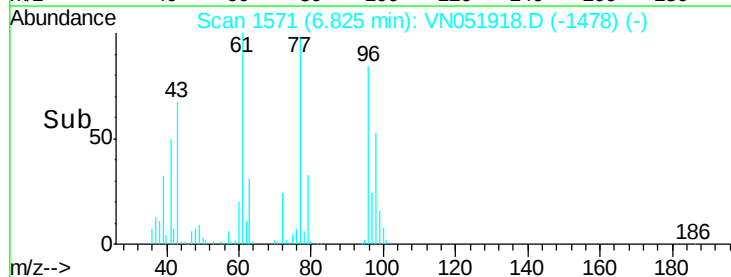
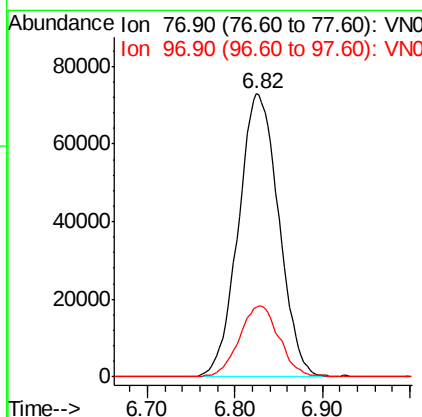
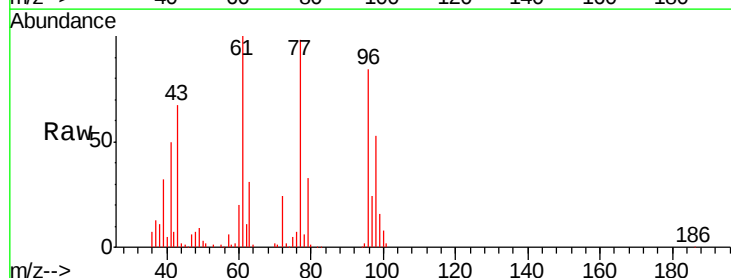
Manual Integrations
APPROVED

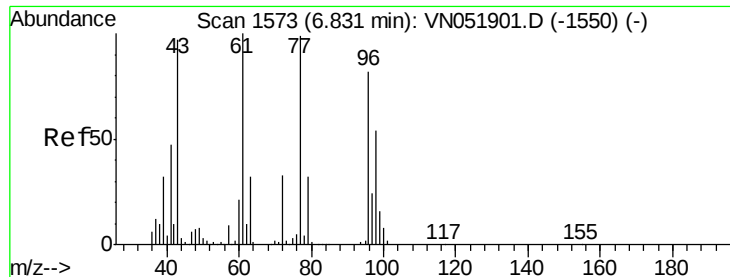
MMDadoda
10/19/2018 4:37:57 PM



#26
2,2-Dichloropropane
Concen: 19.04 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion: 77 Resp: 233177
Ion Ratio Lower Upper
77 100
97 24.8 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 20.79 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

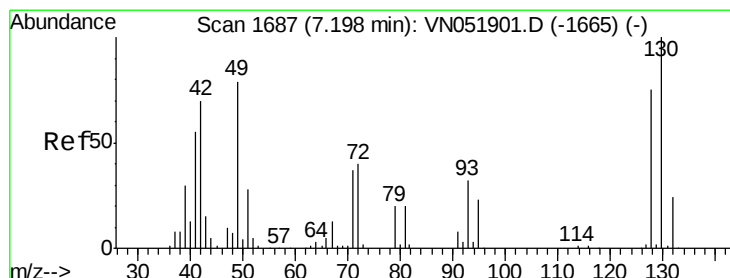
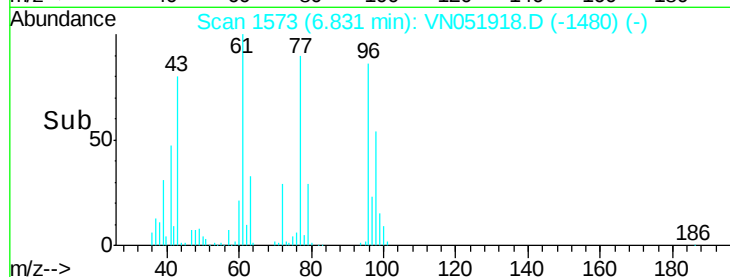
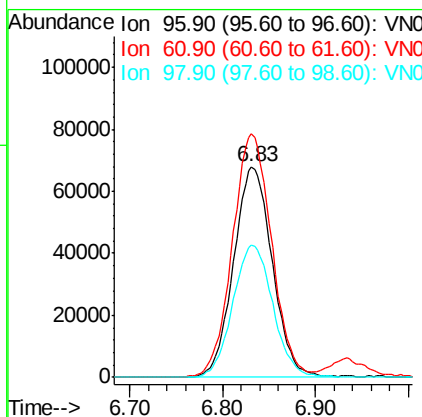
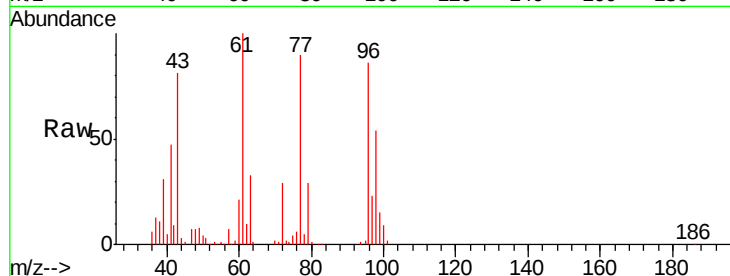
ClientSampleId :

VN1018WBSD02

Tgt Ion:	96	Resp:	196709
Ion	Ratio	Lower	Upper
96	100		
61	117.2	0.0	240.2
98	64.9	0.0	129.8

Manual Integrations
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MMDadoda
10/19/2018 4:37:57 PM



#28

Bromochloromethane

Concen: 20.84 ug/l

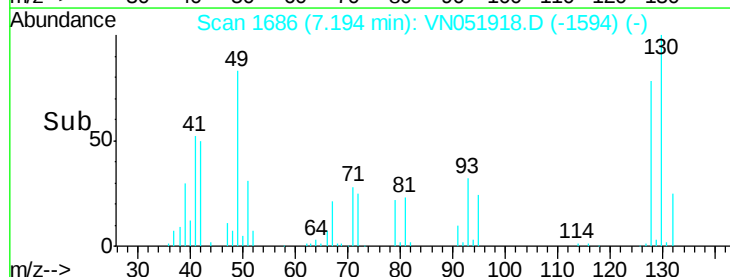
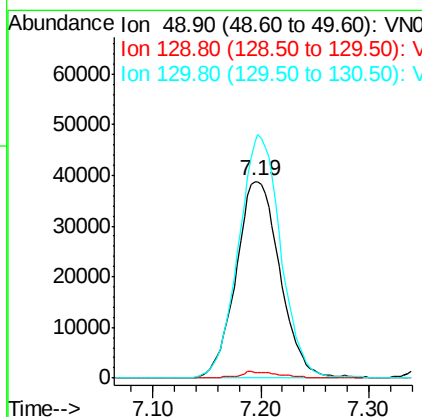
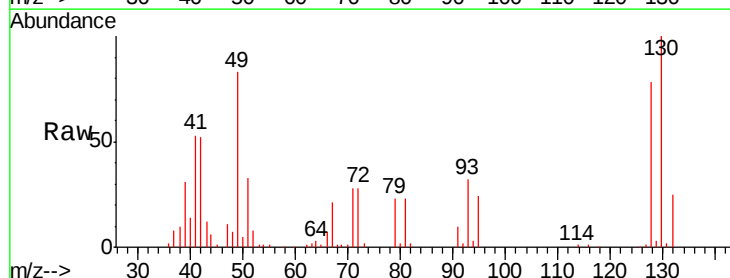
RT: 7.19 min Scan# 1686

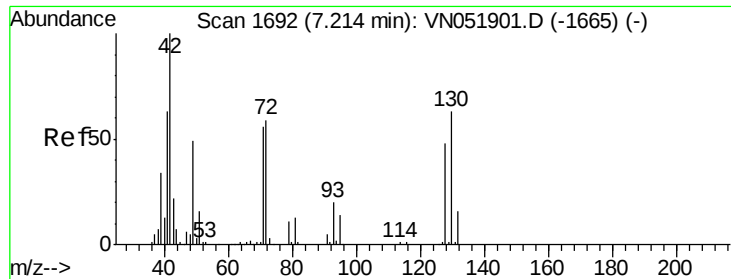
Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Tgt Ion:	49	Resp:	109583
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	6.0
130	118.7	96.7	145.1





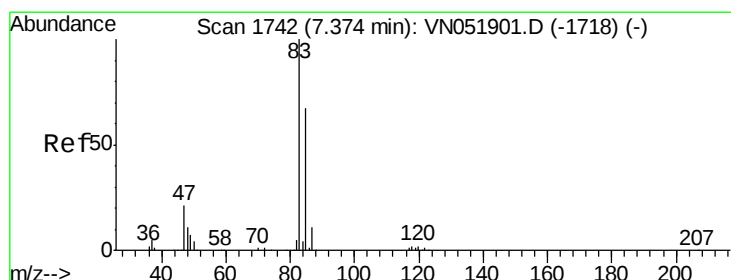
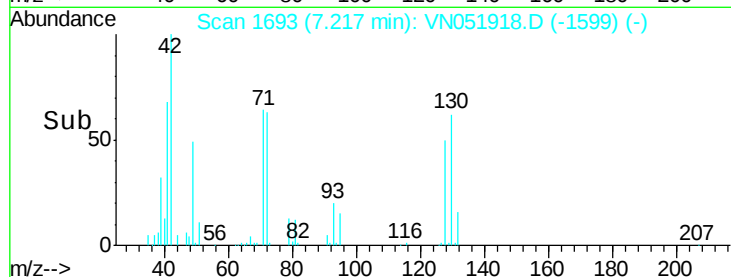
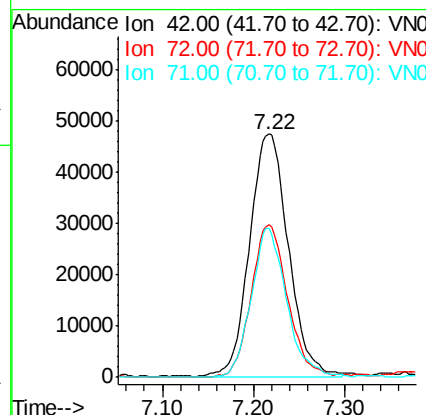
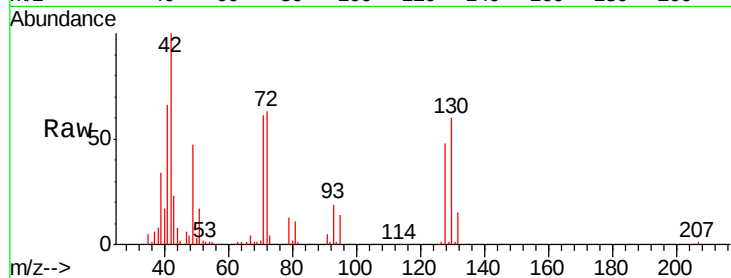
#29
Tetrahydrofuran
Concen: 98.93 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	59.3	47.7	71.5
71	56.4	45.4	68.0

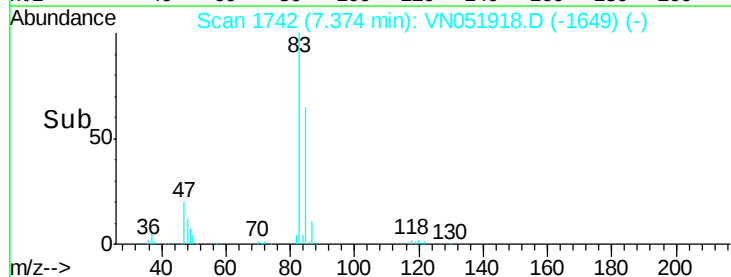
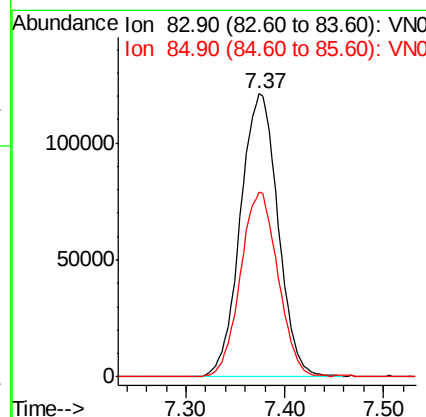
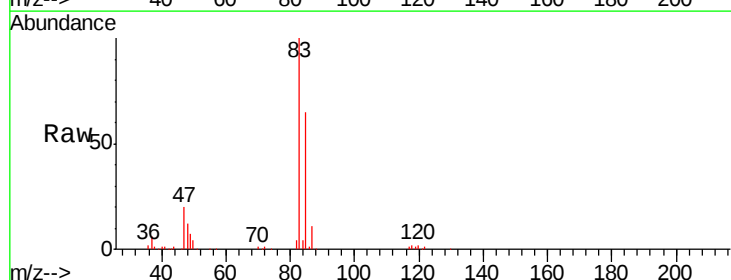
Manual Integrations
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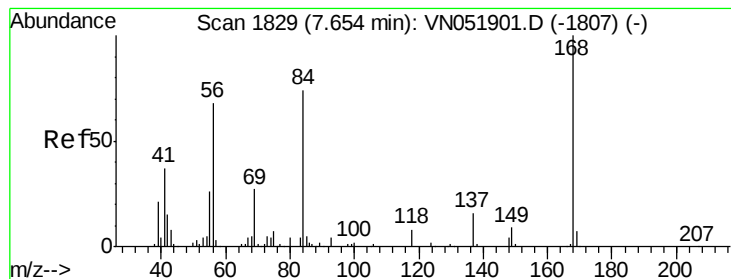
MMDadoda
10/19/2018 4:37:57 PM



#30
Chloroform
Concen: 20.68 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.4	80.2





#31

Cyclohexane

Concen: 19.35 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion: 56 Resp: 220723
Ion Ratio Lower Upper

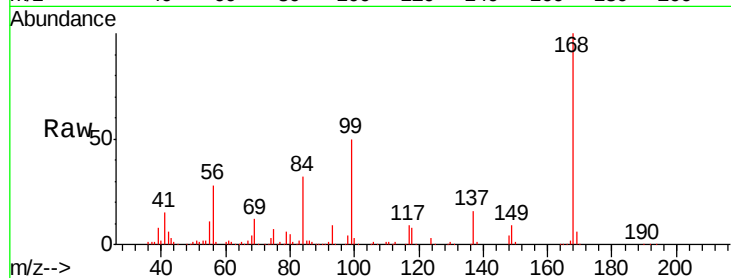
56 100

69 42.1 31.2 46.8

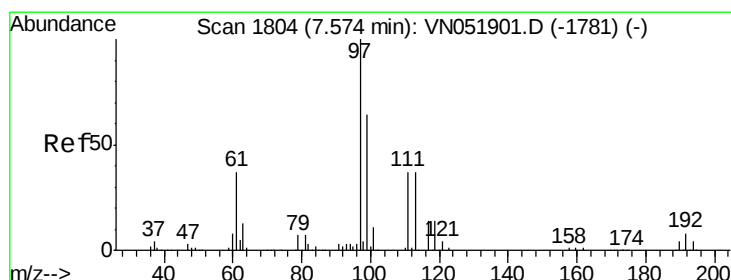
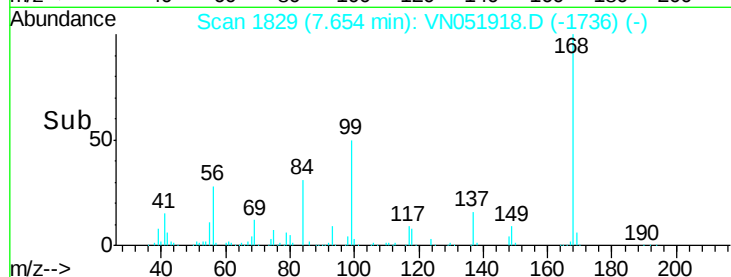
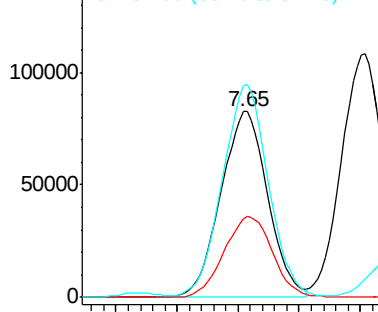
84 112.0 86.6 130.0

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.62 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051918.D

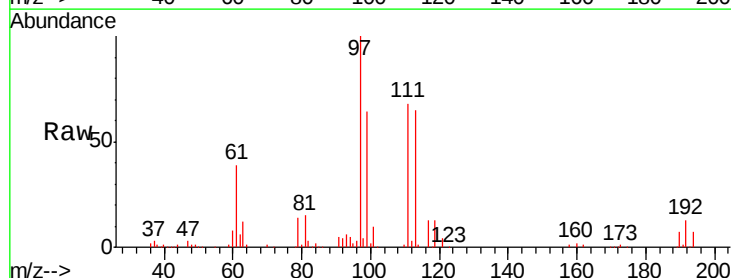
Acq: 18 Oct 2018 16:01

Tgt Ion: 97 Resp: 297891
Ion Ratio Lower Upper

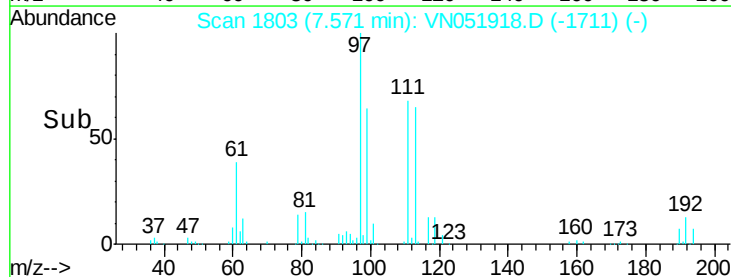
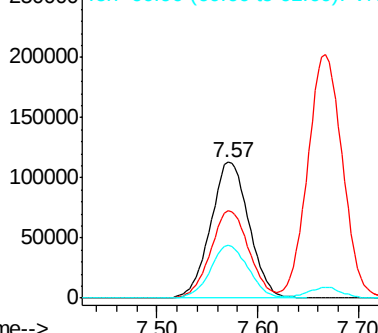
97 100

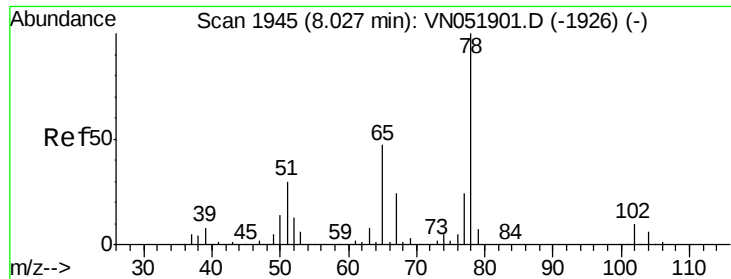
99 64.4 51.3 76.9

61 38.4 29.8 44.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





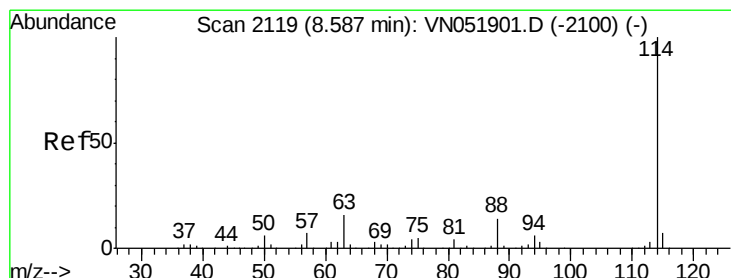
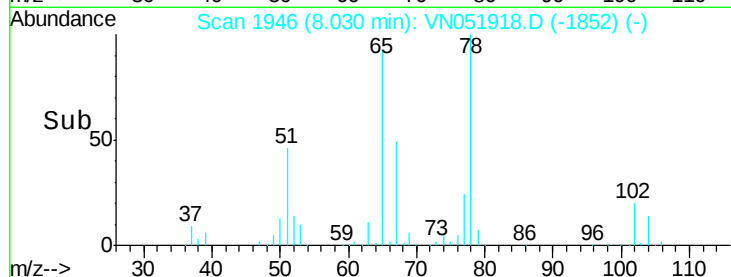
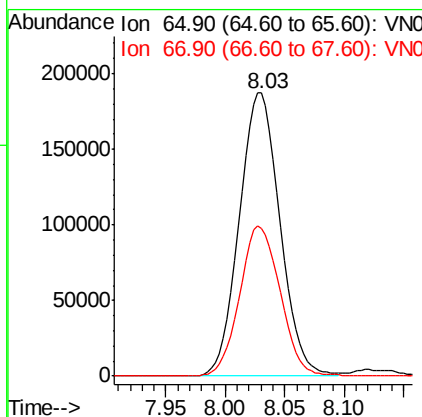
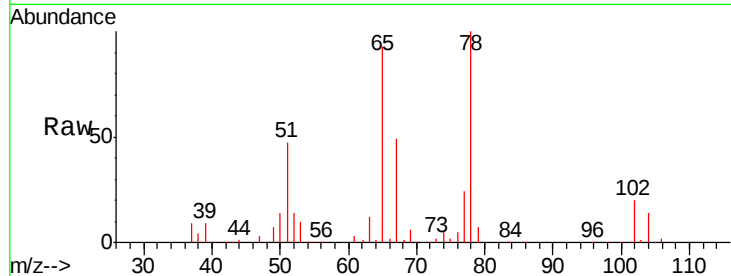
#33
 1,2-Dichloroethane-d4
 Concen: 20.62 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Tgt Ion: 65 Resp: 444515
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.0

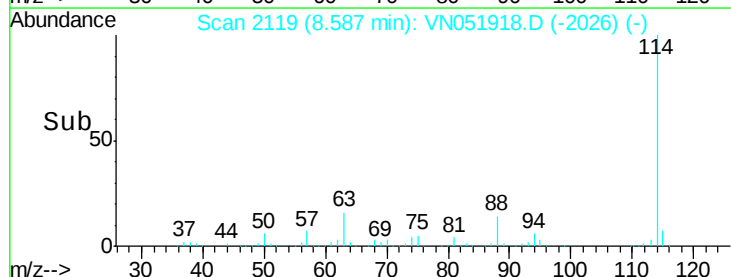
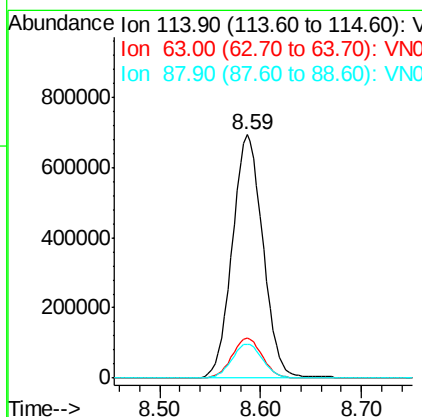
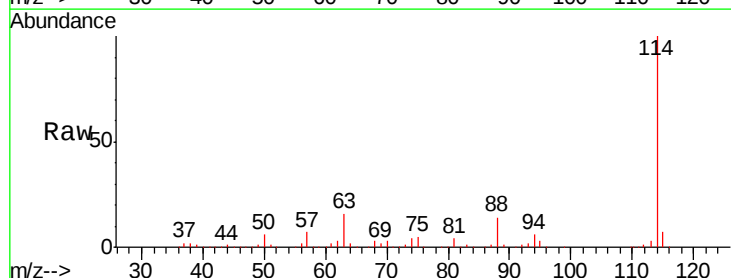
Manual Integrations
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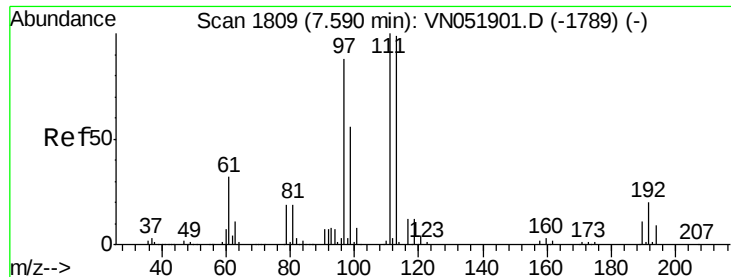
MMDadoda
 10/19/2018 4:37:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion: 114 Resp: 1464028
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.8
 88 14.0 0.0 28.0





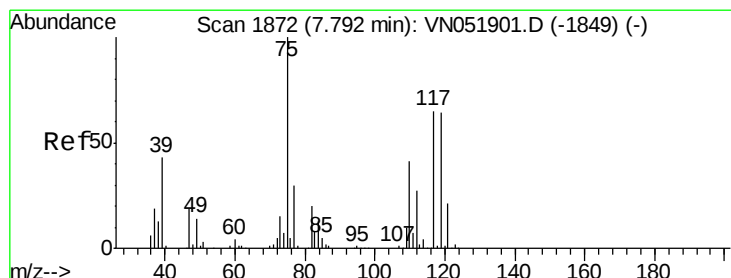
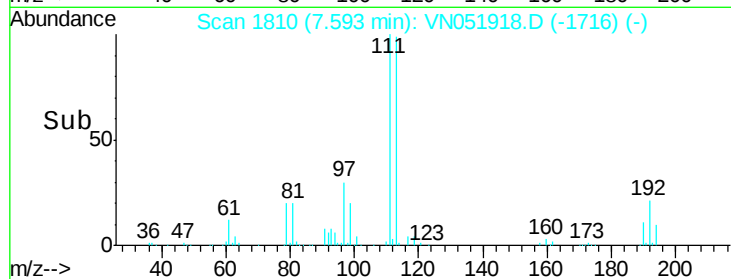
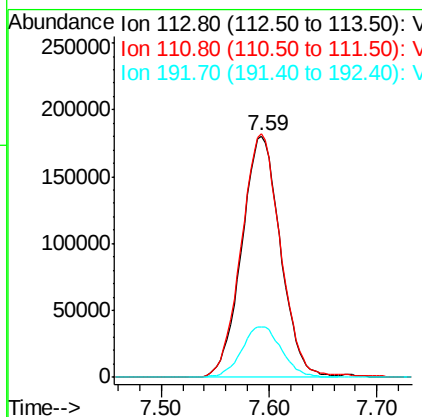
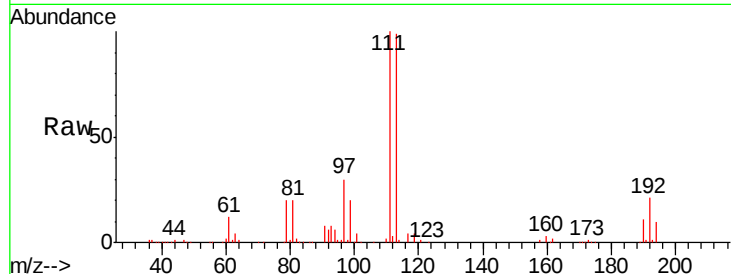
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	449088		
111	102.5	82.6	123.8	
192	21.8	17.3	25.9	

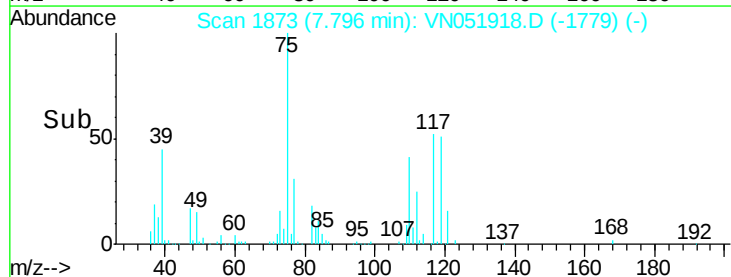
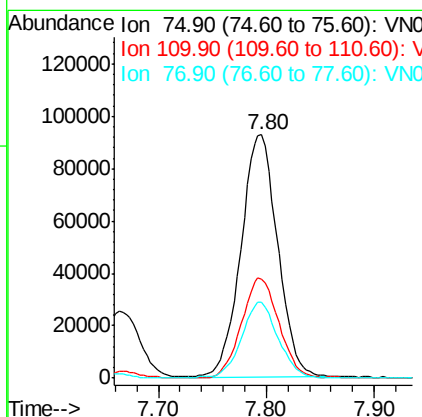
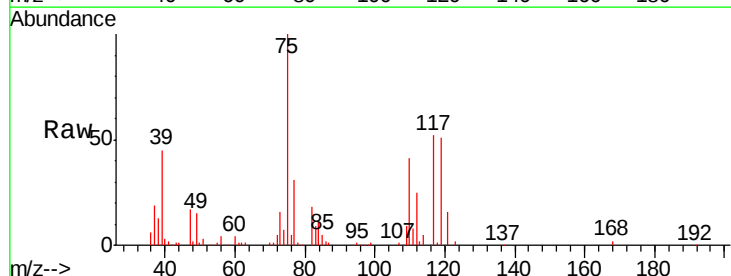
Manual Integrations
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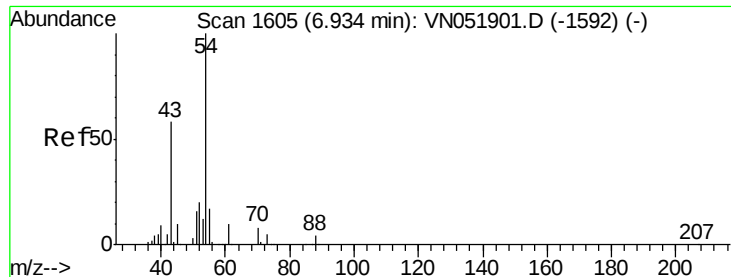
MMDadoda
 10/19/2018 4:37:57 PM



#36
 1,1-Dichloropropene
 Concen: 19.34 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	219709		
110	41.9	21.0	63.0	
77	31.2	24.9	37.3	





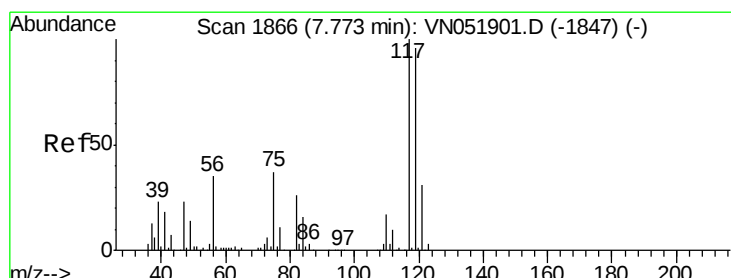
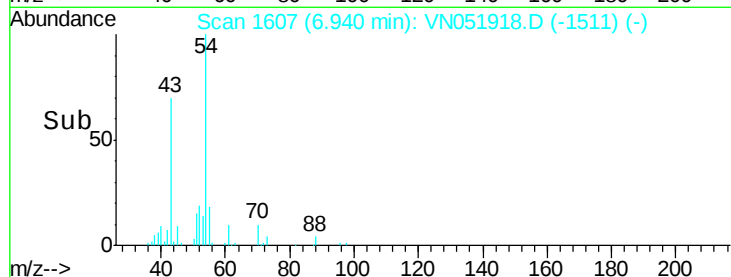
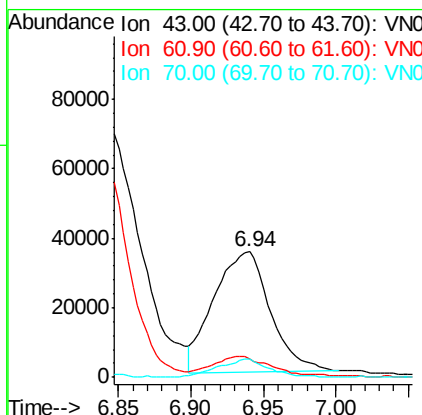
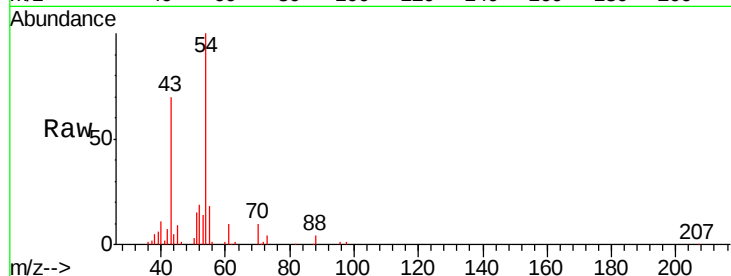
#37
Ethyl Acetate
Concen: 17.03 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.3	13.0	19.6
70	13.6	10.4	15.6

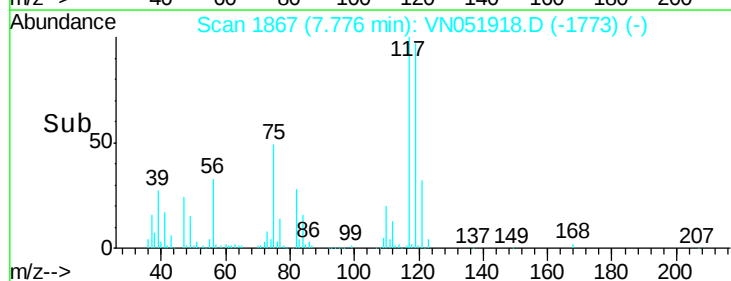
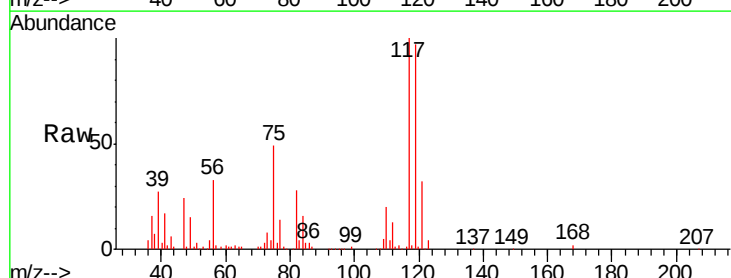
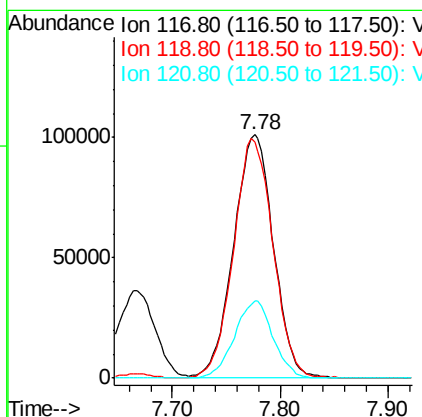
Manual Integrations
APPROVED

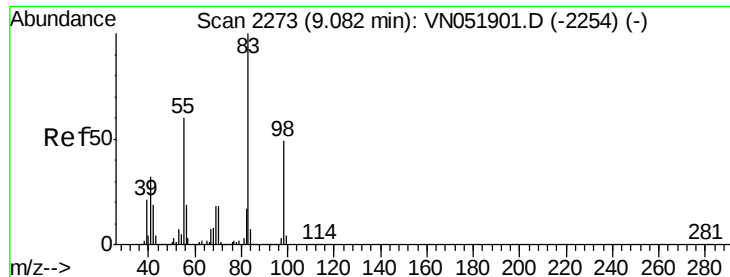
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.34 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.0	115.6
121	31.8	25.1	37.7





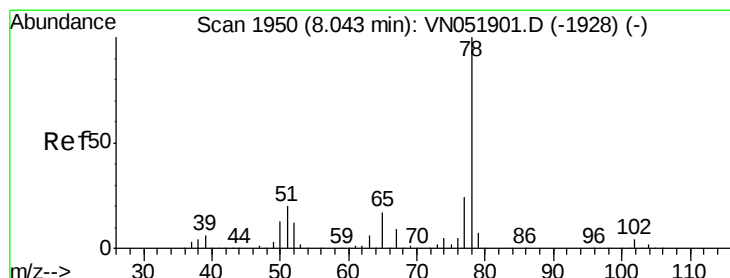
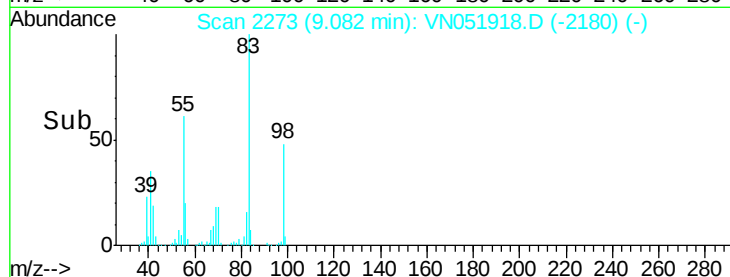
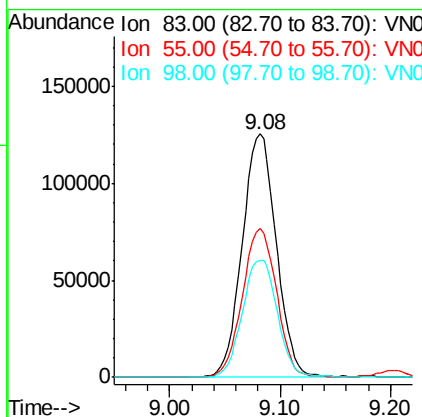
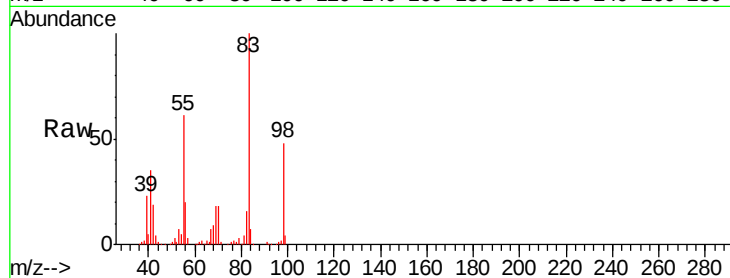
#39
Methylcyclohexane
Concen: 19.18 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	61.0	47.8	71.8
98	48.1	39.0	58.4

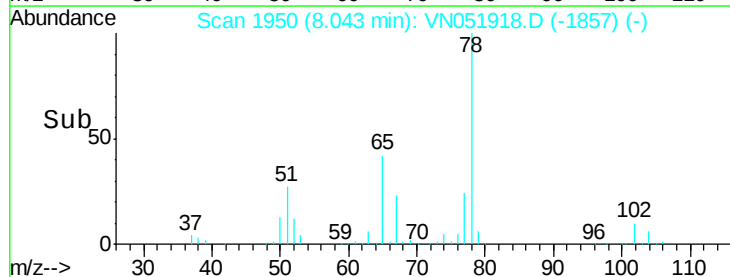
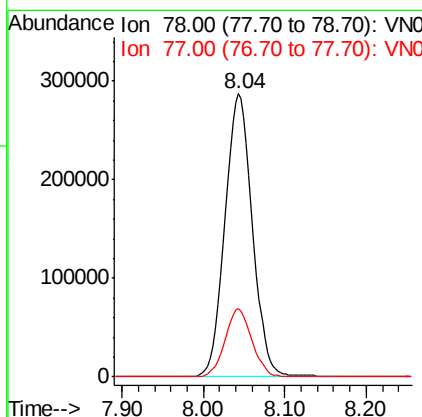
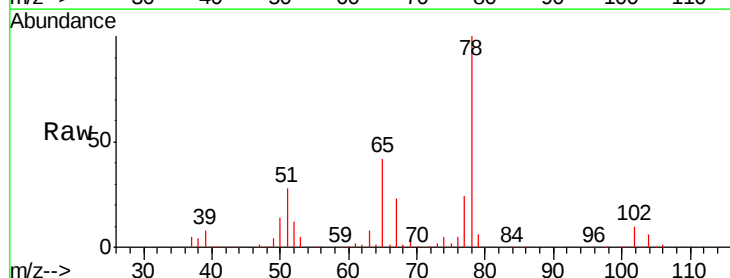
Manual Integrations
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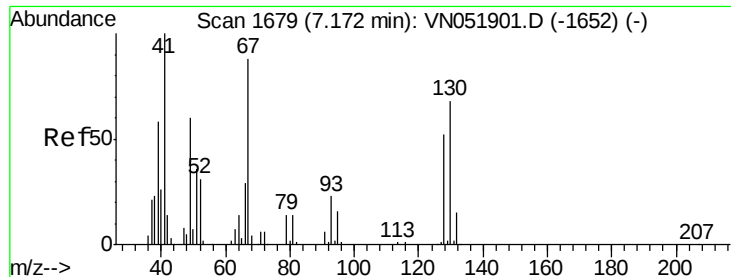
MMDadoda
10/19/2018 4:37:57 PM



#40
Benzene
Concen: 20.49 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3





#41

Methacrylonitrile

Concen: 18.77 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

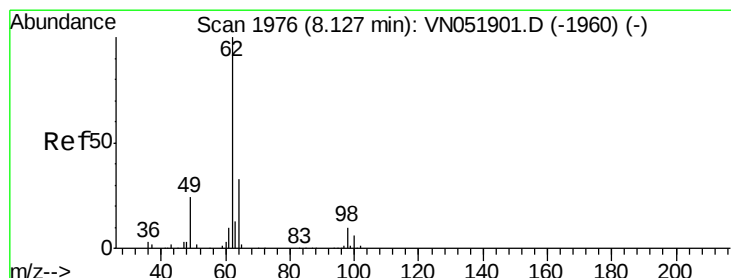
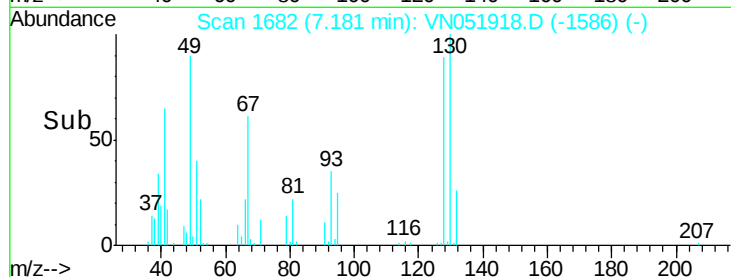
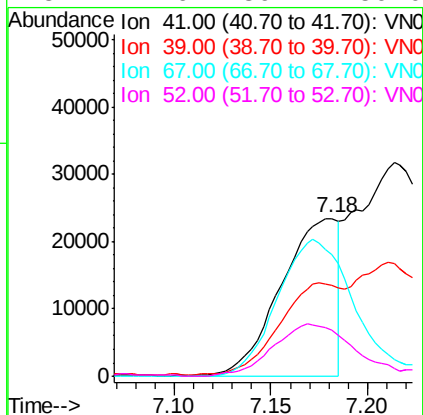
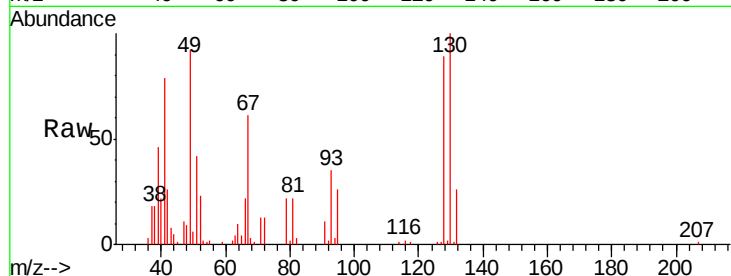
ClientSampleId :

VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.4	56.1	84.1
67	116.3	106.5	159.7
52	47.6	39.4	59.0

Manual Integrations
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MMDadoda
10/19/2018 4:37:57 PM



#42

1,2-Dichloroethane

Concen: 20.24 ug/l

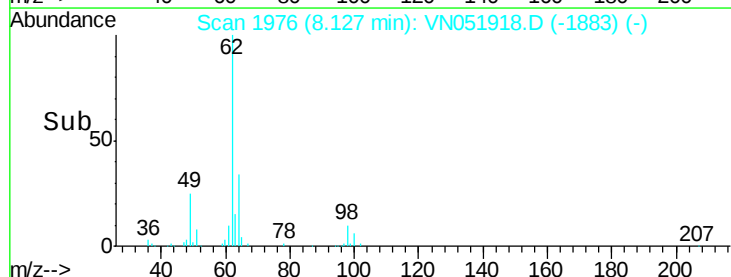
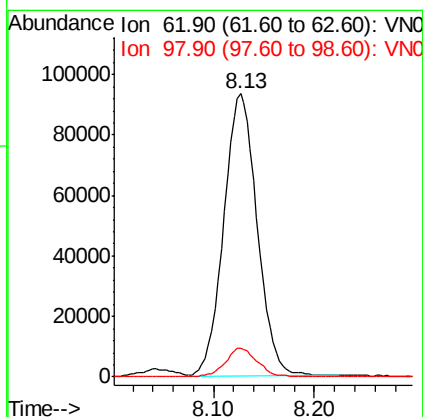
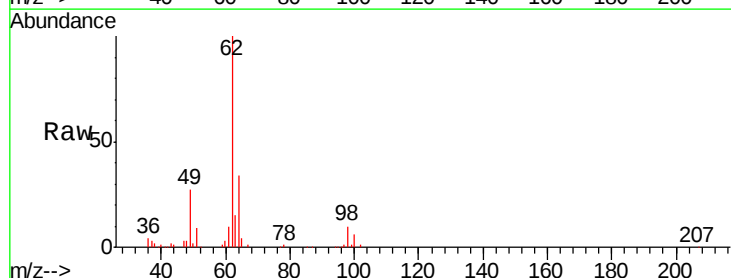
RT: 8.13 min Scan# 1976

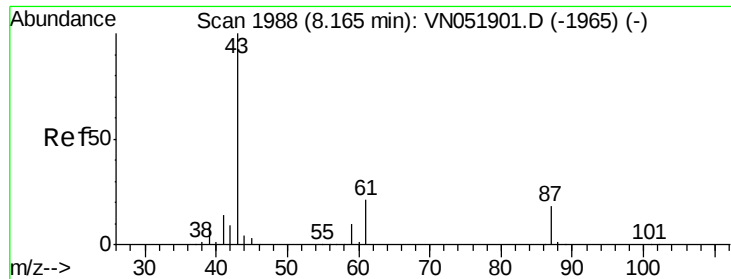
Delta R.T. -0.00 min

Lab File: VN051918.D

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Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





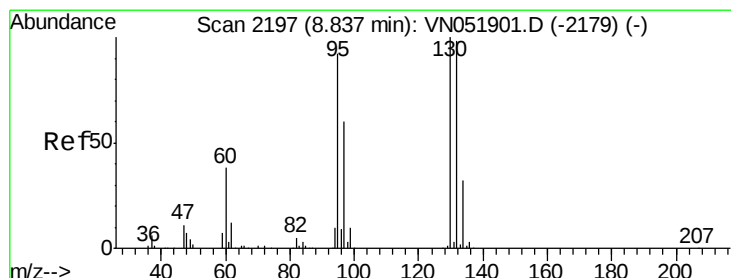
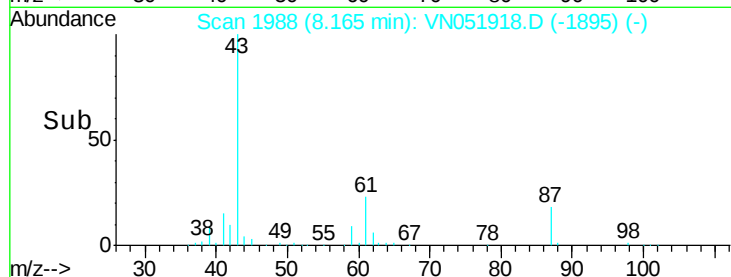
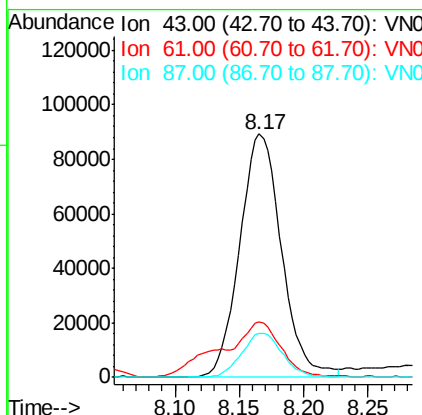
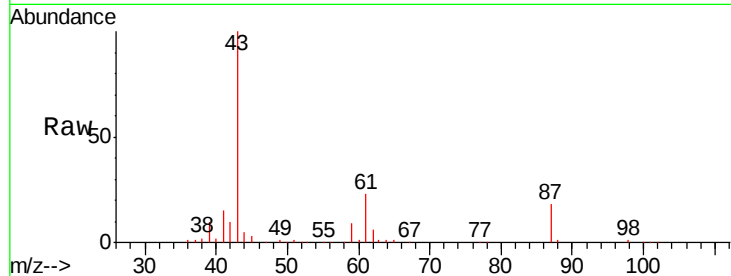
#43
Isopropyl Acetate
Concen: 18.59 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.7	24.9	37.3#
87	17.9	14.6	22.0

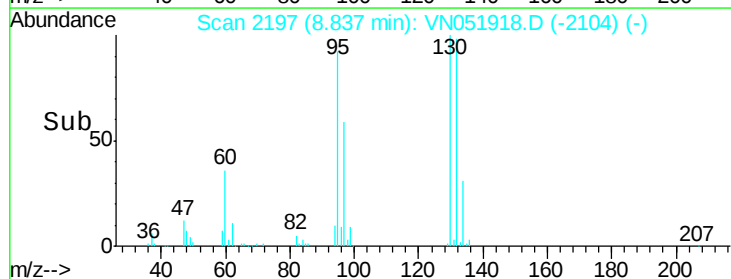
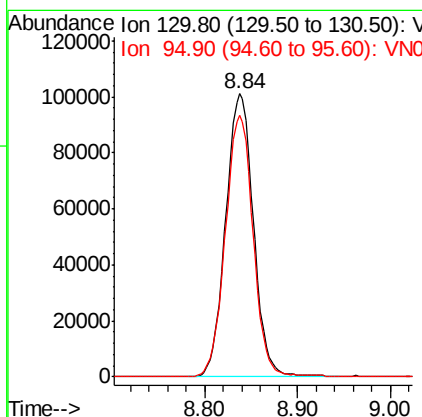
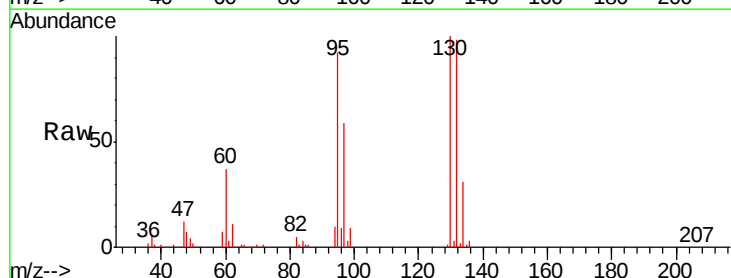
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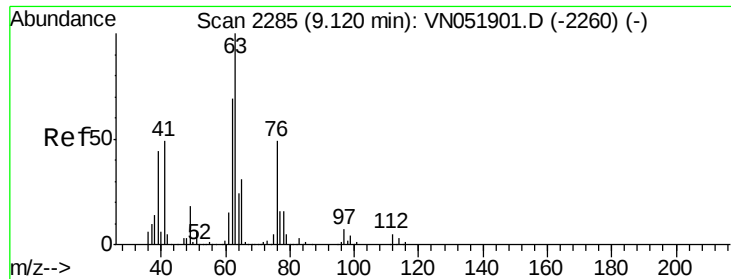
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#44
Trichloroethene
Concen: 20.15 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	183.2





#45

1,2-Dichloropropane

Concen: 20.79 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion: 63 Resp: 159565

Ion Ratio Lower Upper

63 100

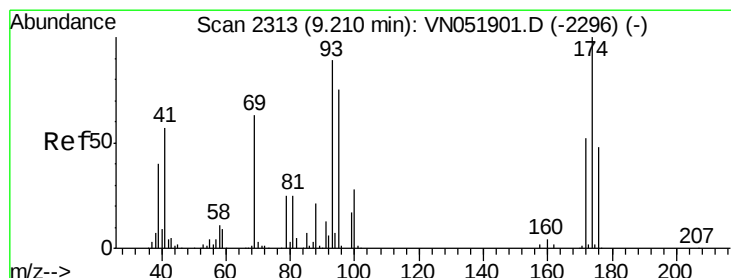
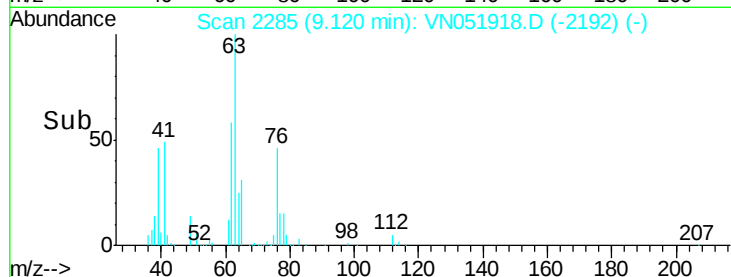
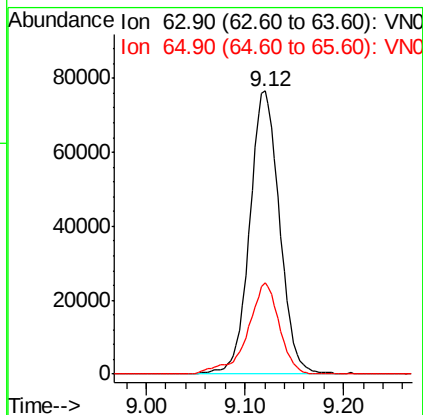
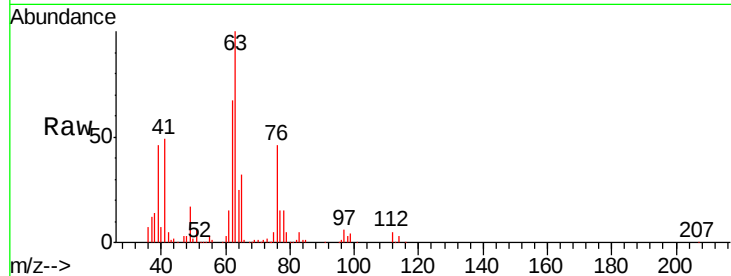
65 32.1 24.9 37.3

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#46

Dibromomethane

Concen: 20.54 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

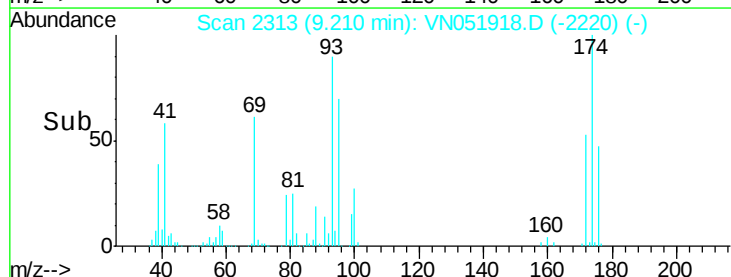
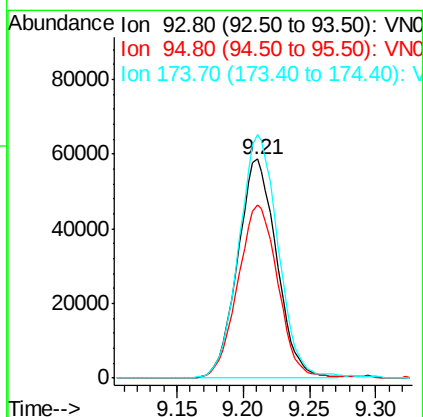
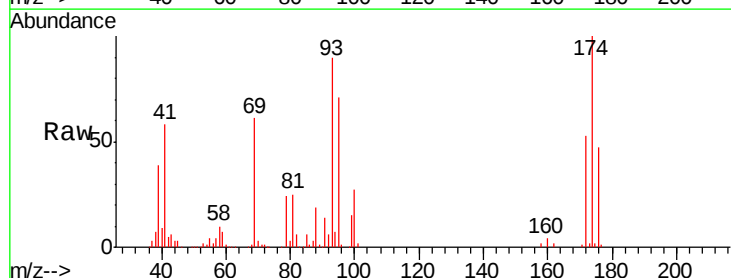
Tgt Ion: 93 Resp: 120156

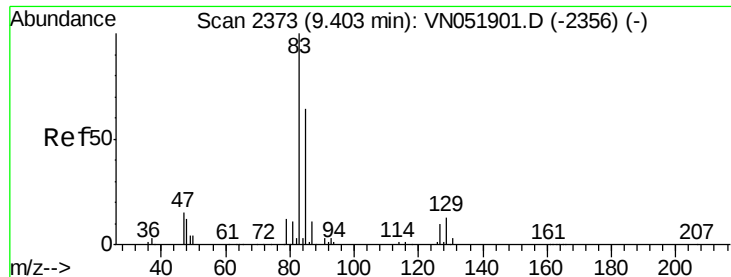
Ion Ratio Lower Upper

93 100

95 81.0 67.8 101.6

174 112.6 91.9 137.9





#47

Bromodichloromethane

Concen: 20.58 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

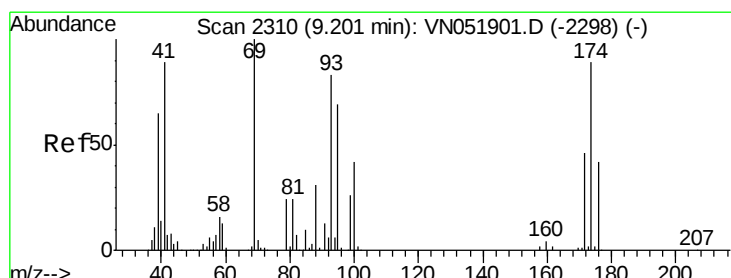
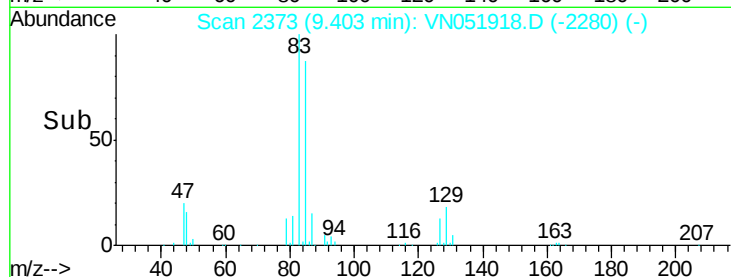
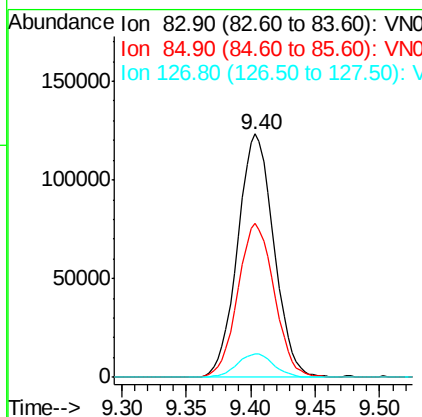
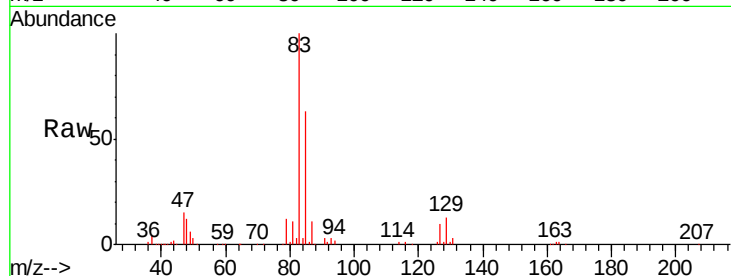
ClientSampleId :

VN1018WBSD02

Tgt Ion:	83	Resp:	241375
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.4	77.2
127	9.5	7.9	11.9

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#48

Methyl methacrylate

Concen: 19.44 ug/l

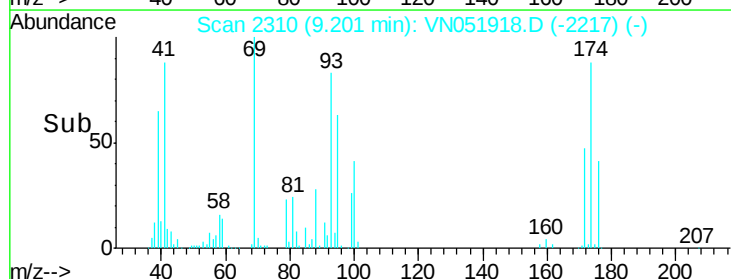
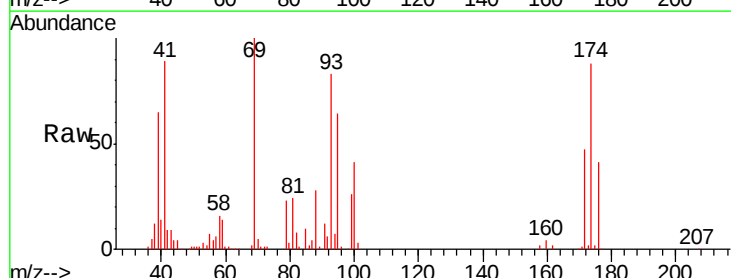
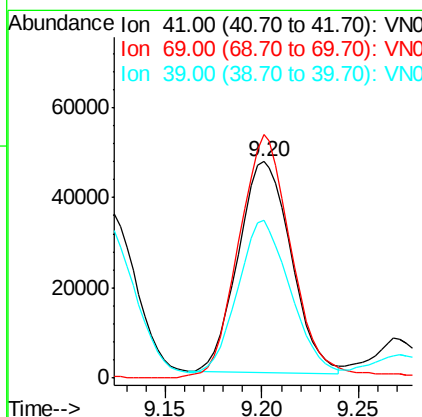
RT: 9.20 min Scan# 2310

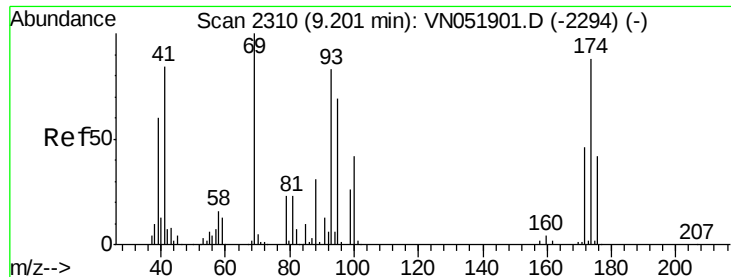
Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Tgt Ion:	41	Resp:	89179
Ion Ratio	Lower	Upper	
41	100		
69	116.3	90.2	135.2
39	75.0	59.7	89.5





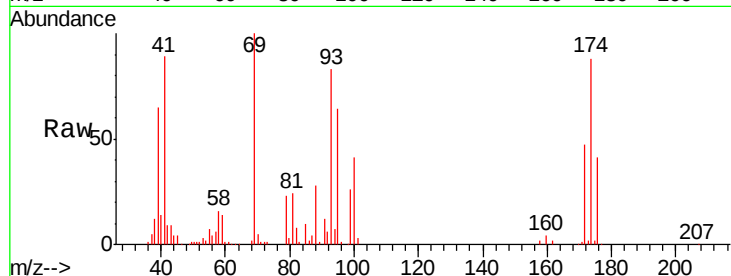
#49
1,4-Dioxane
Concen: 380.88 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

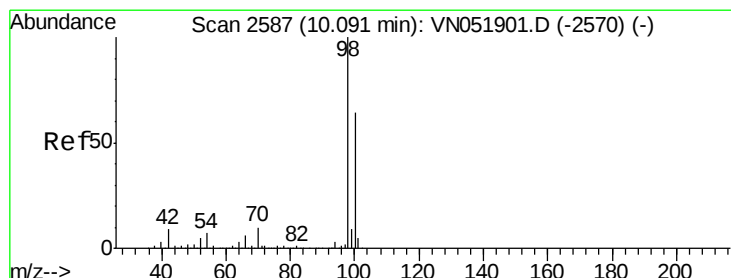
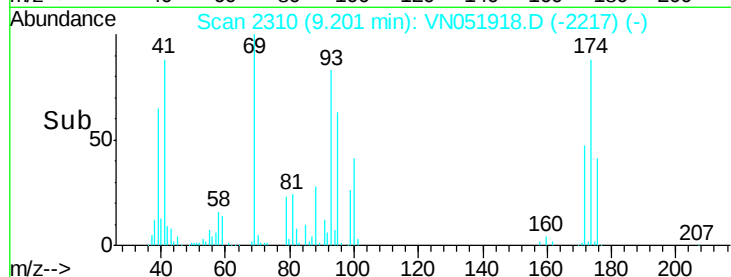
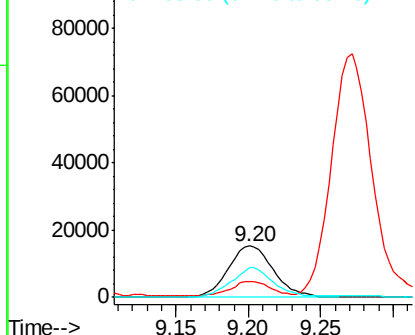
Tgt Ion	Ratio	Lower	Upper
88	100		
43	25.3	19.7	29.5
58	53.5	42.6	64.0

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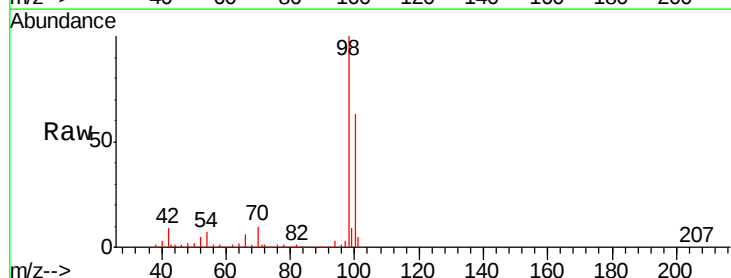


Abundance Ion 88.00 (87.70 to 88.70): VN051918.D (-2294) (-)
Ion 43.00 (42.70 to 43.70): VN051918.D (-2294) (-)
Ion 58.00 (57.70 to 58.70): VN051918.D (-2294) (-)

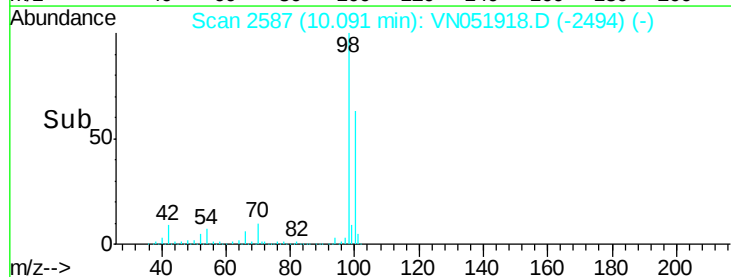
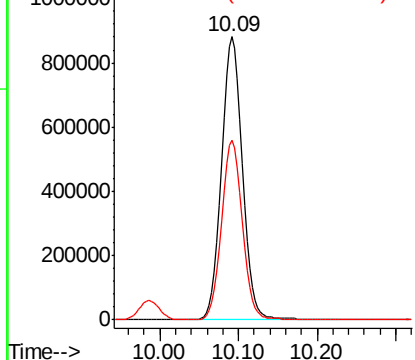


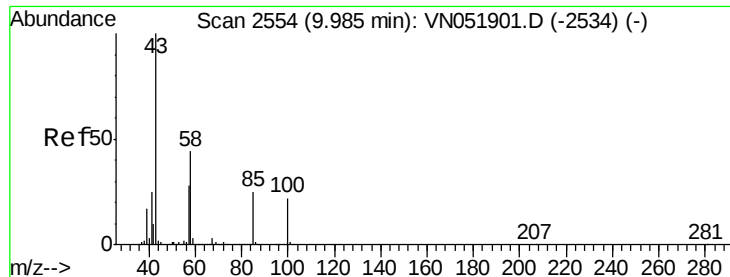
#50
Toluene-d8
Concen: 380.88 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	51.0	76.4



Abundance Ion 98.00 (97.70 to 98.70): VN051918.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN051918.D (-2494) (-)





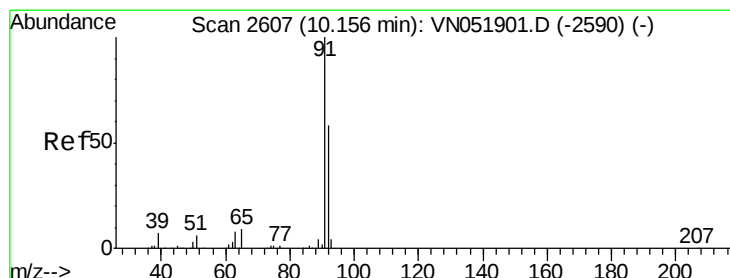
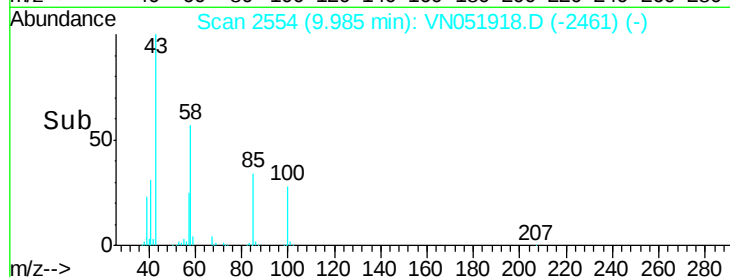
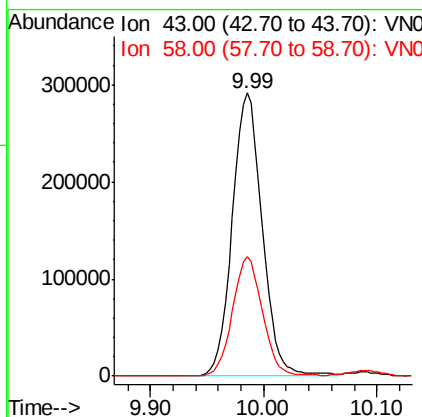
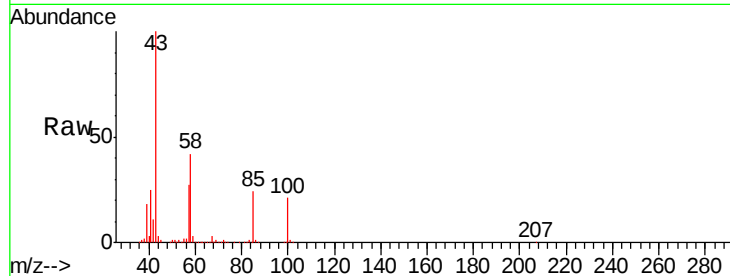
#51
 4-Methyl-2-Pentanone
 Concen: 101.16 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Tgt Ion: 43 Resp: 535080
 Ion Ratio Lower Upper
 43 100
 58 42.4 34.6 52.0

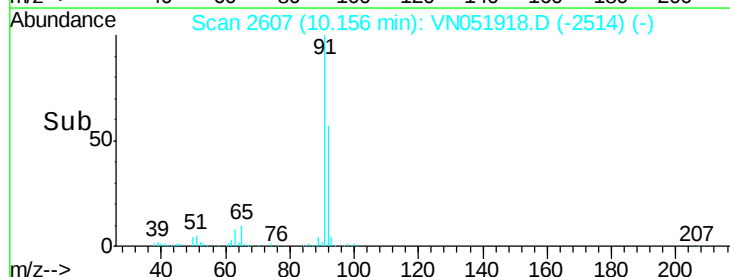
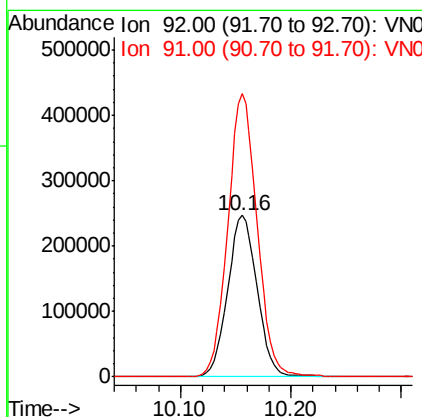
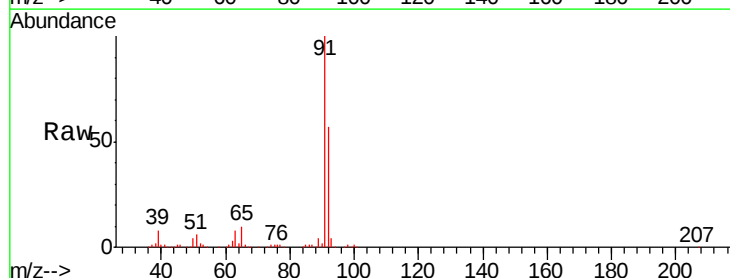
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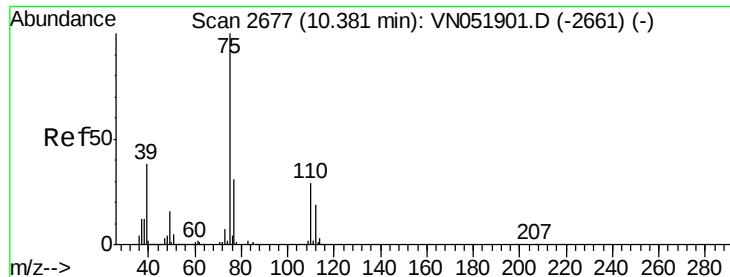
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#52
 Toluene
 Concen: 20.62 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion: 92 Resp: 457839
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.8 209.6





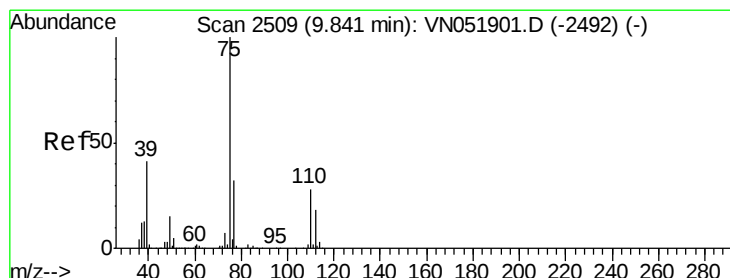
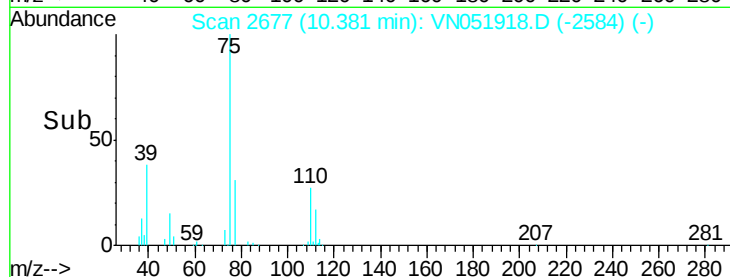
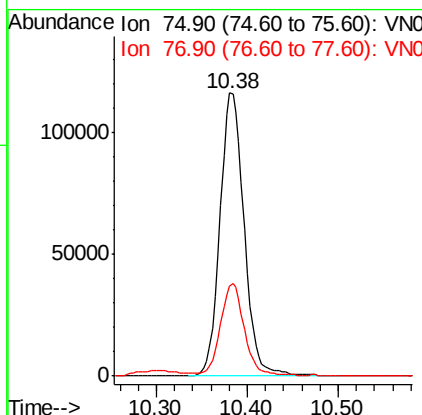
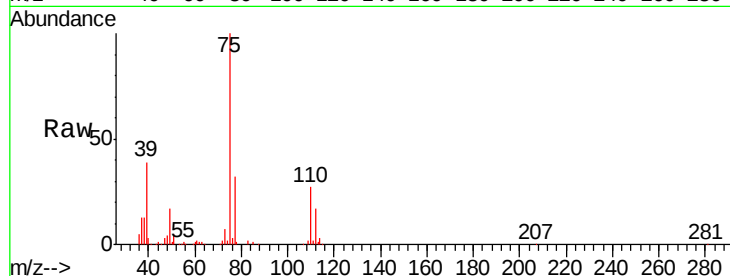
#53
t-1,3-Dichloropropene
Concen: 19.36 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion: 75 Resp: 215189
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0

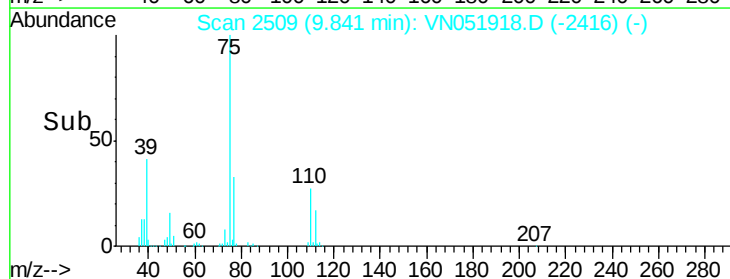
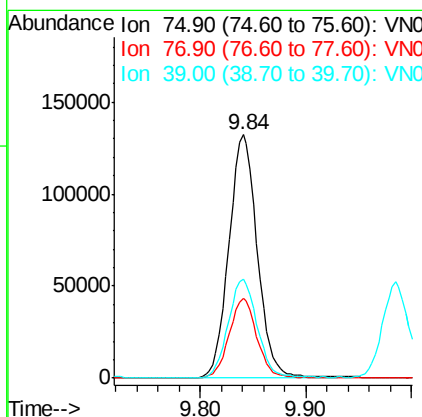
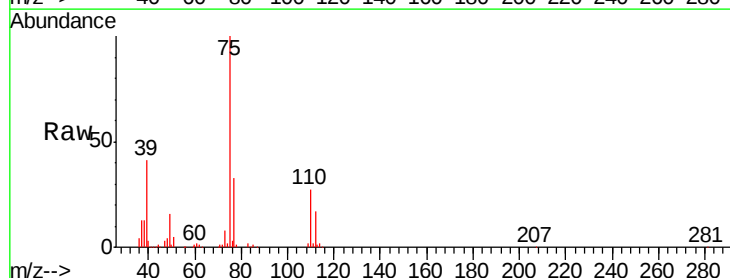
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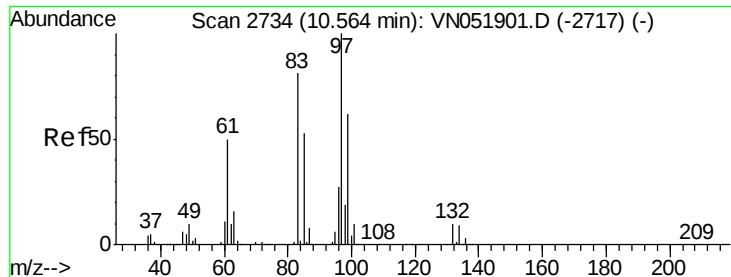
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#54
cis-1,3-Dichloropropene
Concen: 19.94 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion: 75 Resp: 247052
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9
39 40.5 32.8 49.2





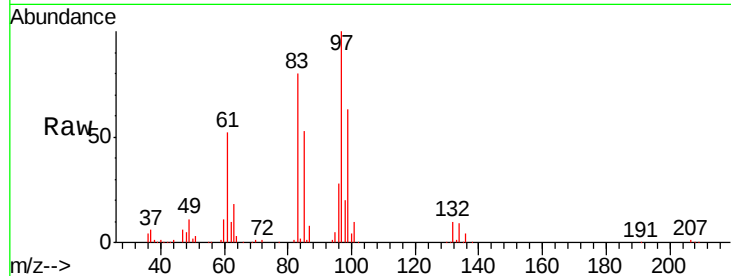
#55
 1,1,2-Trichloroethane
 Concen: 20.53 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

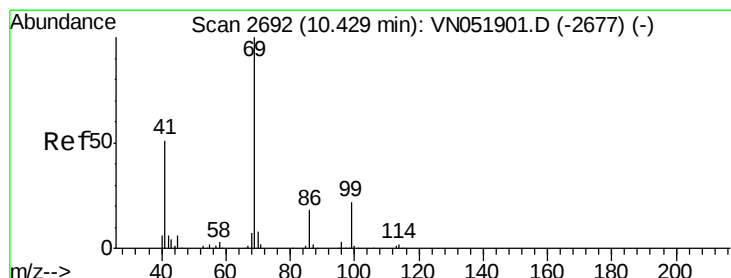
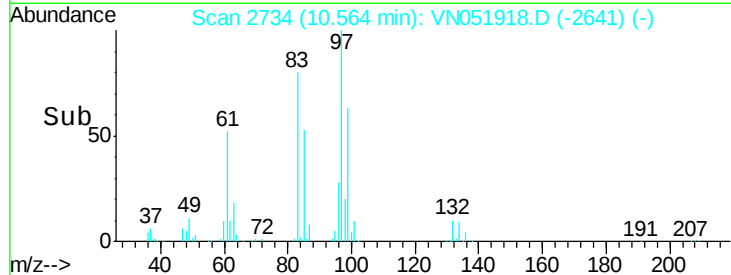
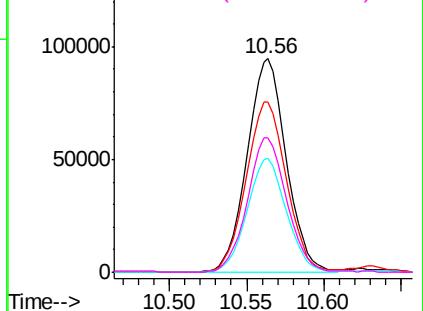
Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.0	64.6	96.8
85	53.2	42.3	63.5
99	62.8	49.7	74.5

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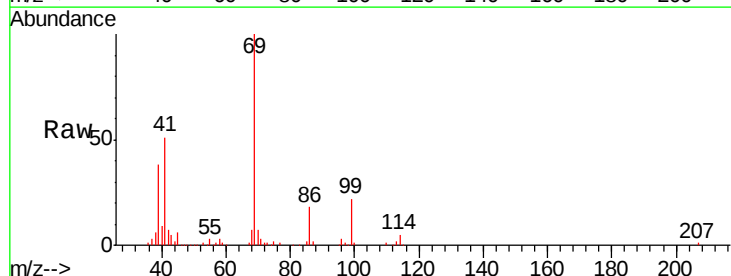


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

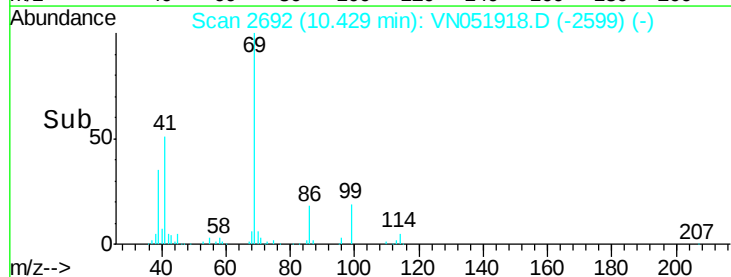
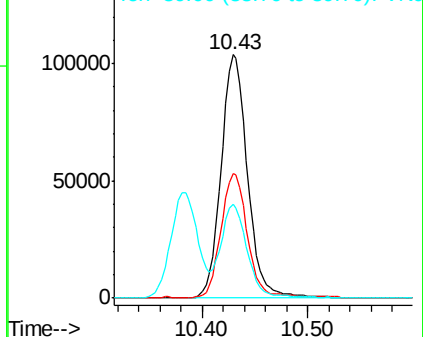


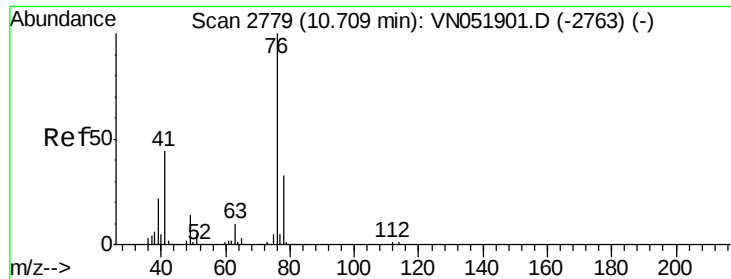
#56
 Ethyl methacrylate
 Concen: 19.73 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	50.6	40.6	61.0
39	38.5	29.4	44.0



Abundance Ion 69.00 (68.70 to 69.70): VNC
 Ion 41.00 (40.70 to 41.70): VNC
 Ion 39.00 (38.70 to 39.70): VNC





#57

1,3-Dichloropropane

Concen: 20.56 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion: 76 Resp: 254686

Ion Ratio Lower Upper

76 100

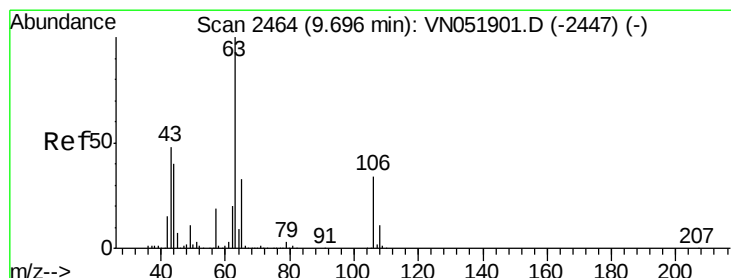
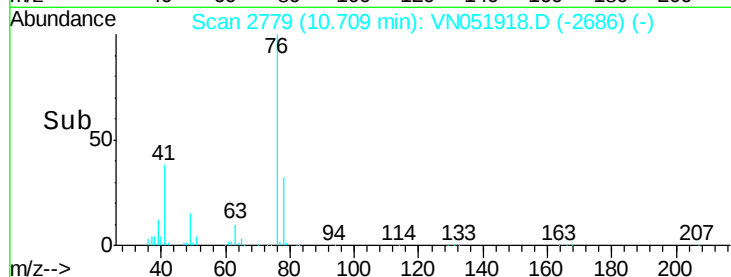
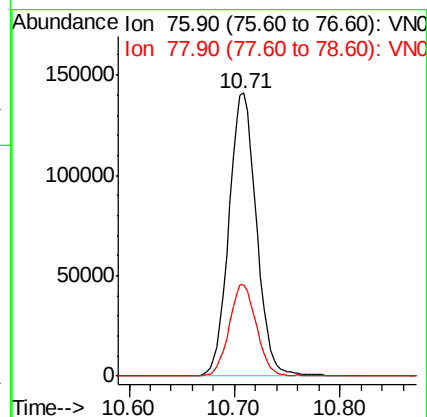
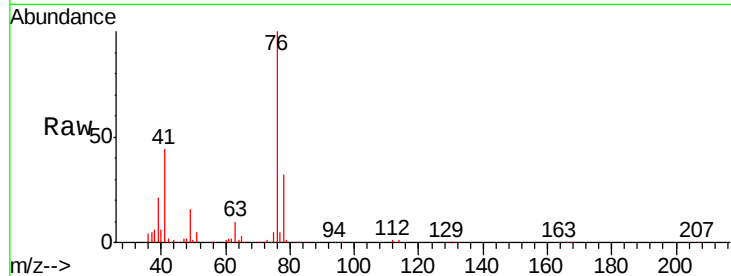
78 31.9 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 88.59 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051918.D

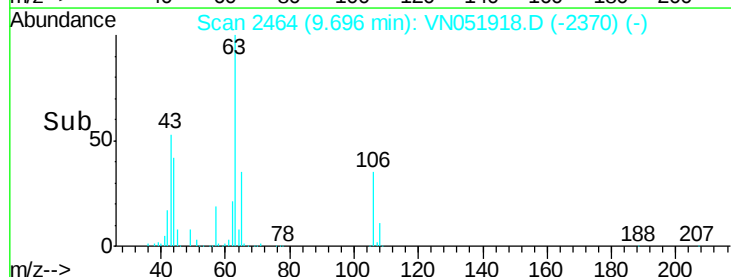
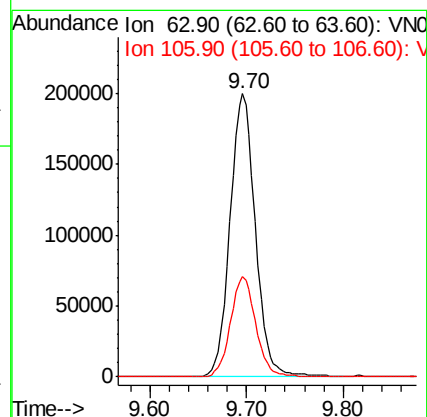
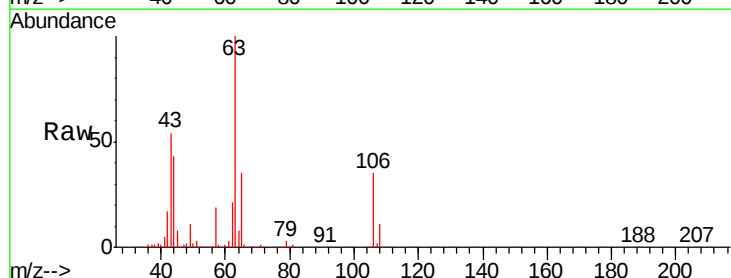
Acq: 18 Oct 2018 16:01

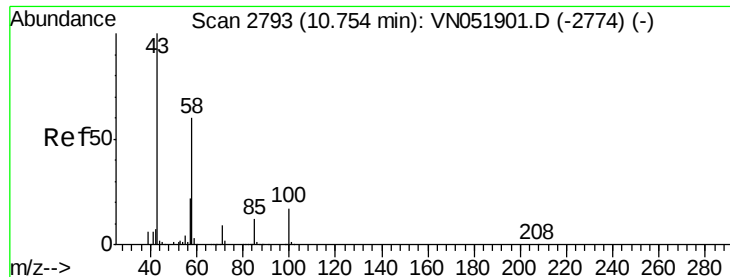
Tgt Ion: 63 Resp: 363451

Ion Ratio Lower Upper

63 100

106 35.5 27.5 41.3





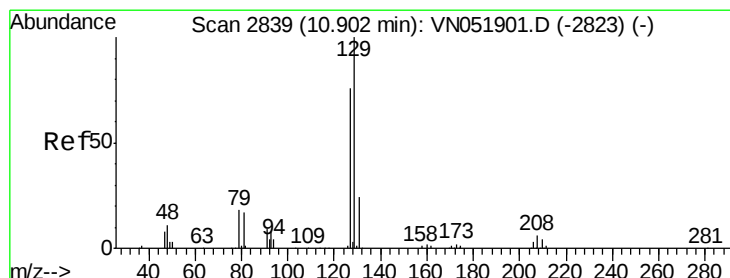
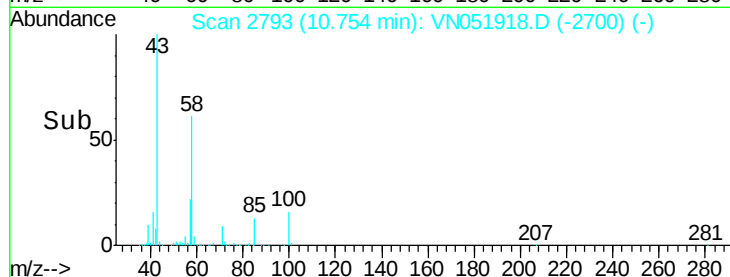
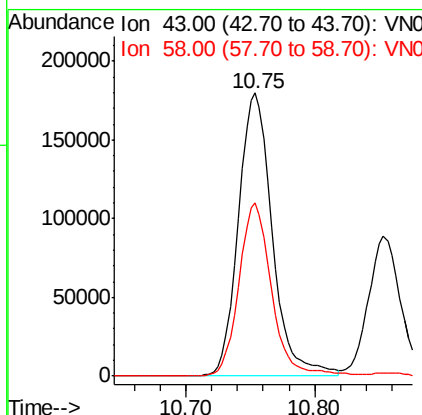
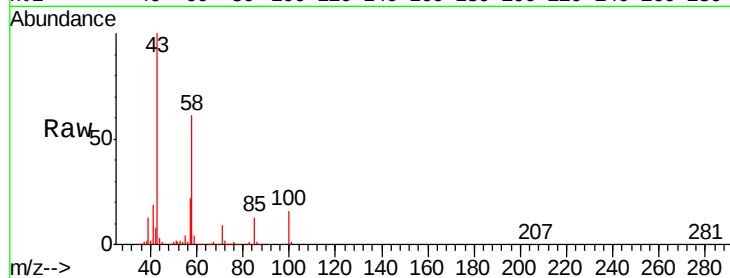
#59
2-Hexanone
Concen: 92.37 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion: 43 Resp: 327636
Ion Ratio Lower Upper
43 100
58 59.3 29.8 89.5

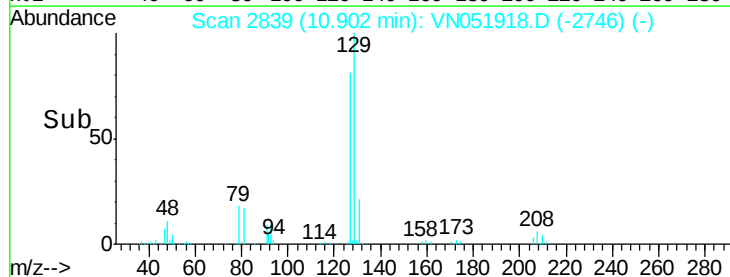
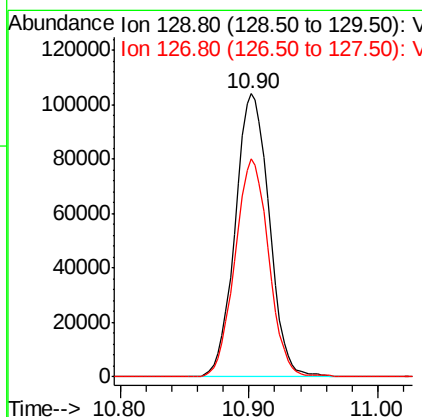
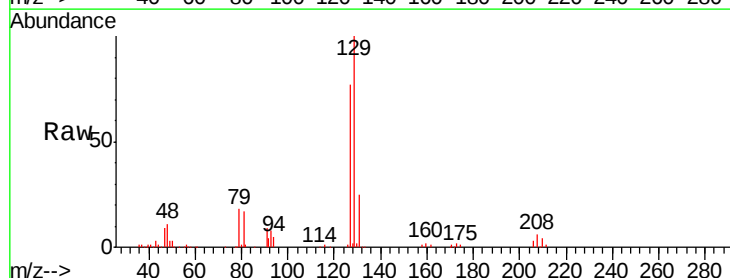
Manual Integrations
APPROVED

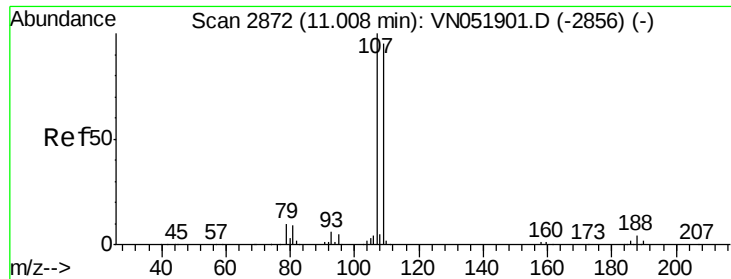
MMDadoda
10/19/2018 4:37:57 PM



#60
Dibromochloromethane
Concen: 18.86 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion: 129 Resp: 191194
Ion Ratio Lower Upper
129 100
127 76.2 38.3 114.8





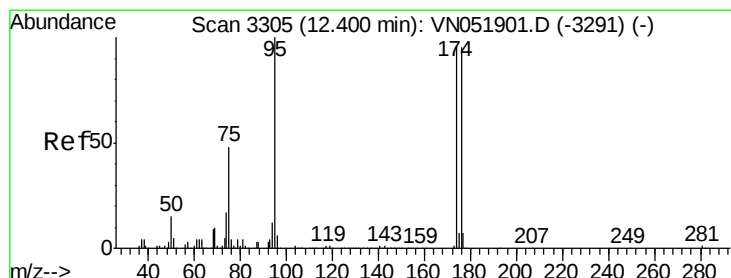
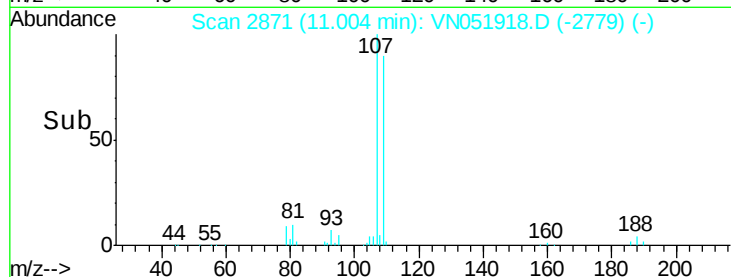
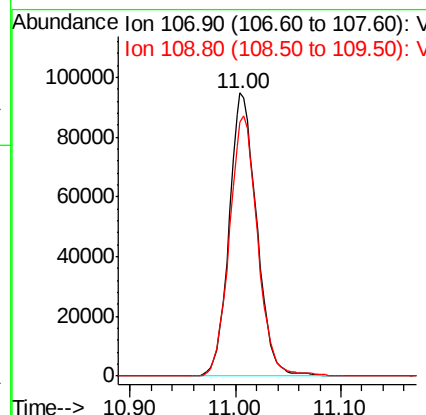
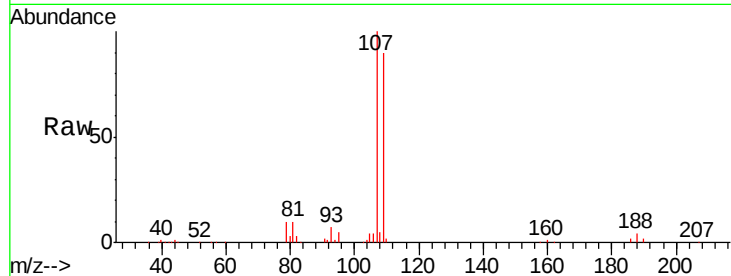
#61
 1,2-Dibromoethane
 Concen: 20.03 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.6

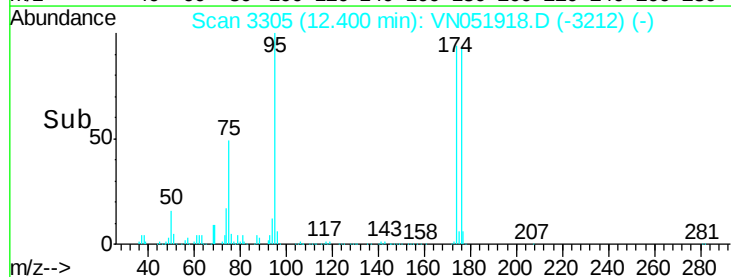
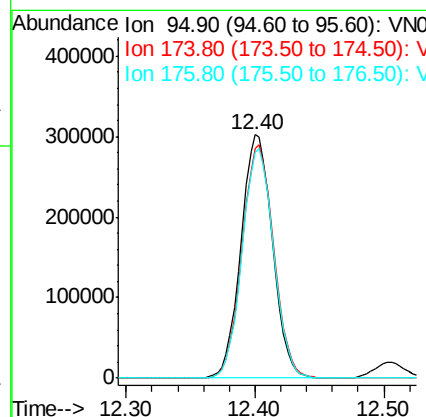
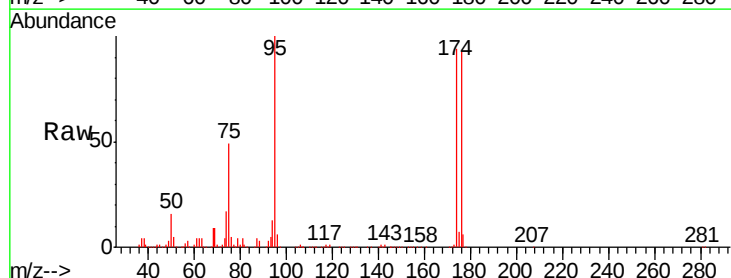
Manual Integrations
 APPROVED

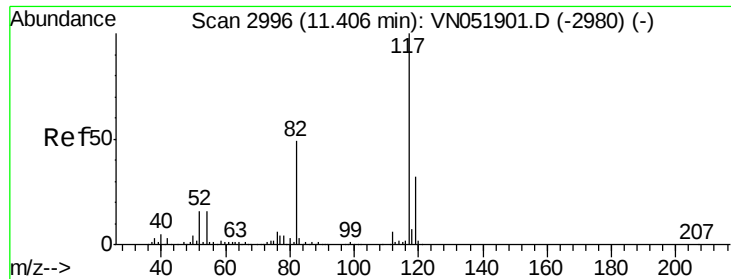
MMDadoda
 10/19/2018 4:37:57 PM



#62
 4-Bromofluorobenzene
 Concen: 20.03 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	195.0
176	94.2	0.0	191.4





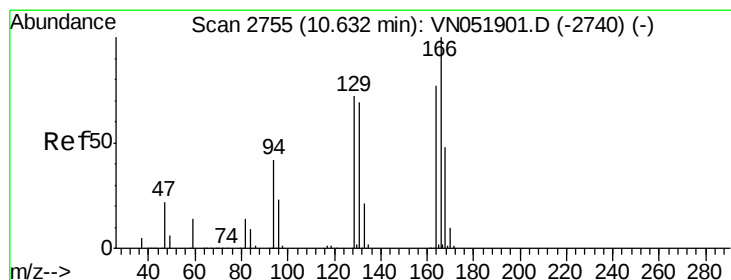
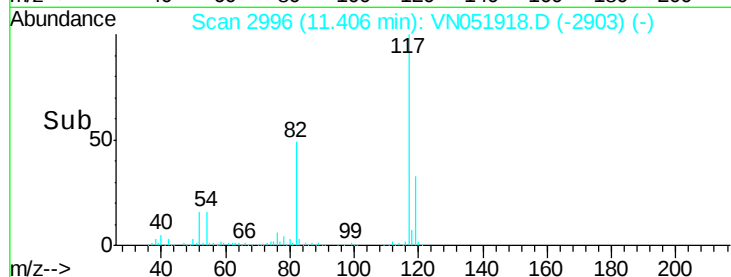
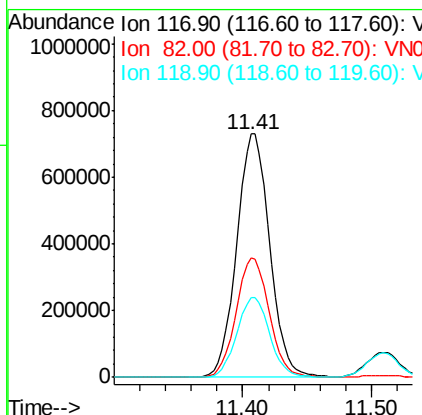
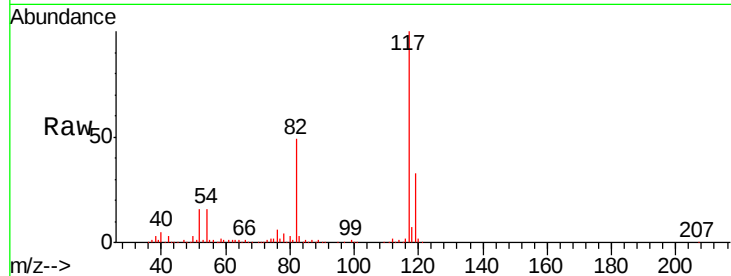
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.1	38.9	58.3
119	32.6	25.9	38.9

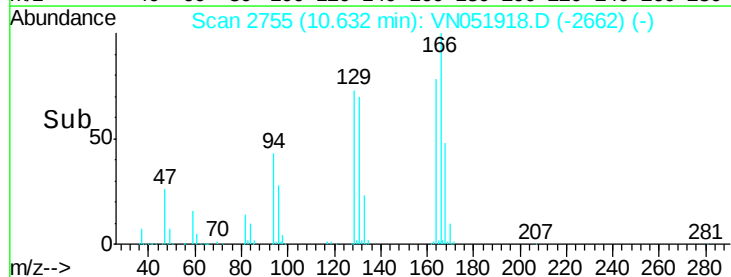
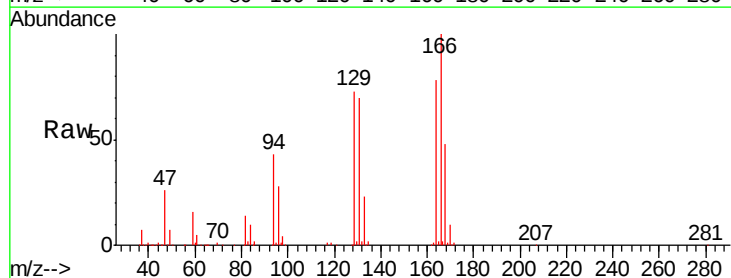
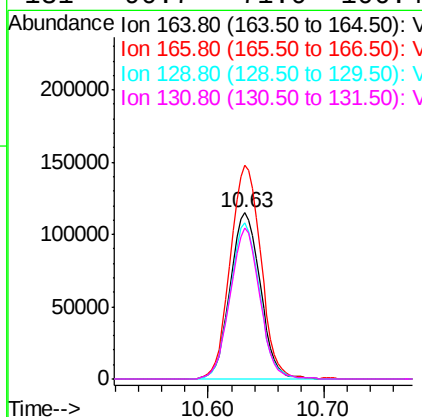
Manual Integrations
APPROVED

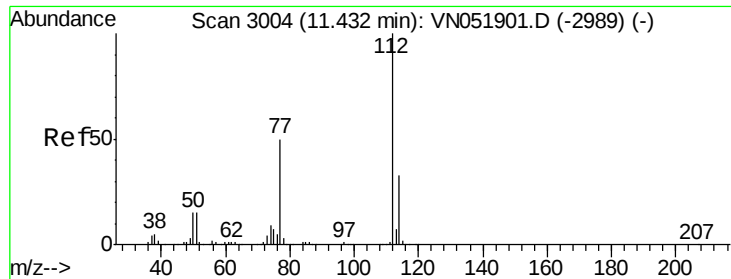
MMDadoda
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#64
Tetrachloroethene
Concen: 19.82 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.4	155.0
129	93.8	73.9	110.9
131	90.7	71.0	106.4





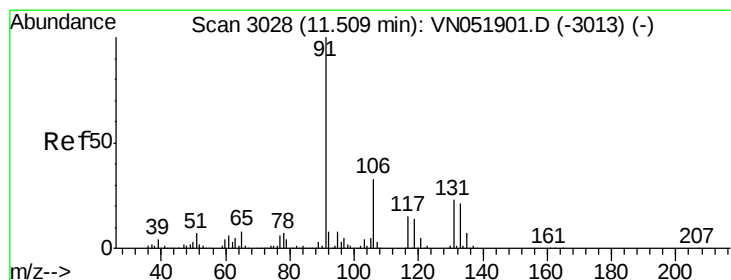
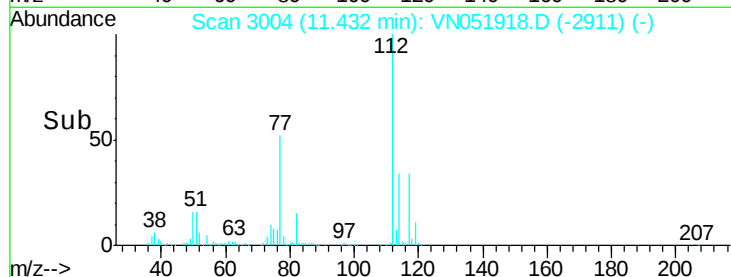
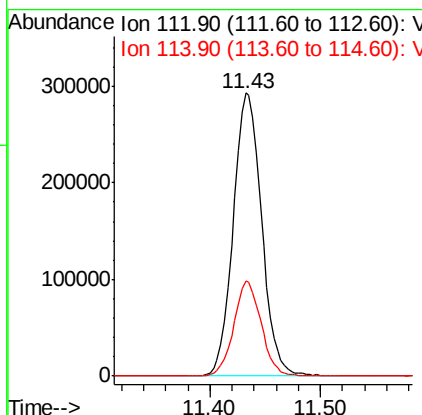
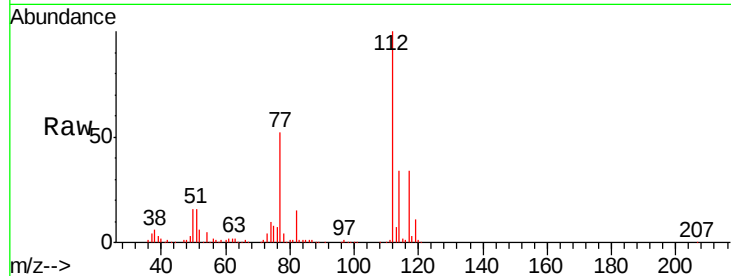
#65
Chlorobenzene
Concen: 20.06 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion:112 Resp: 522139
Ion Ratio Lower Upper
112 100
114 33.8 26.4 39.6

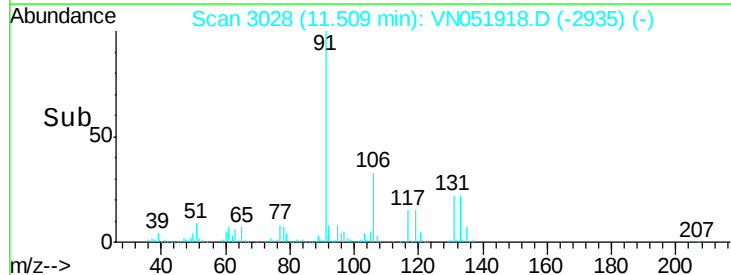
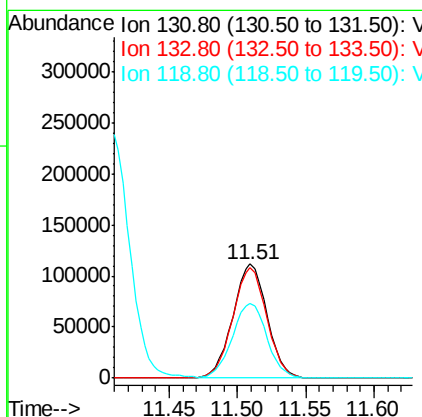
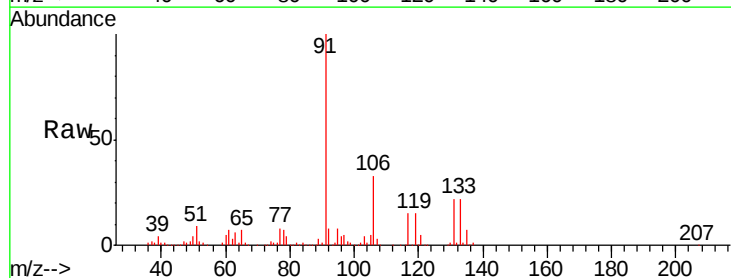
Manual Integrations
APPROVED

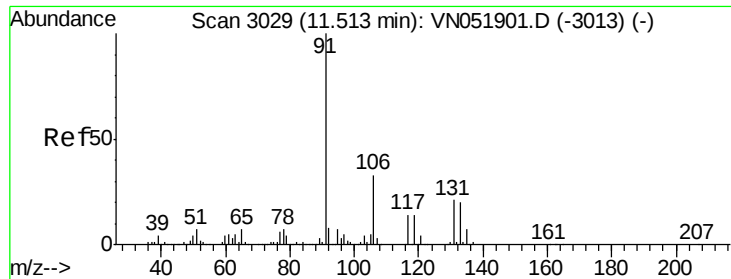
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.06 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion:131 Resp: 194323
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.6
119 66.3 32.1 96.5





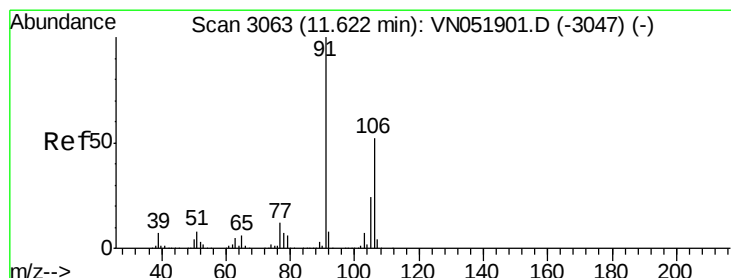
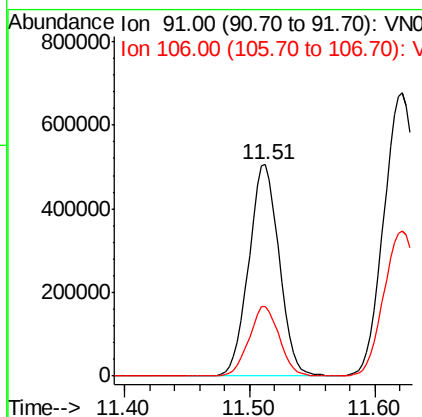
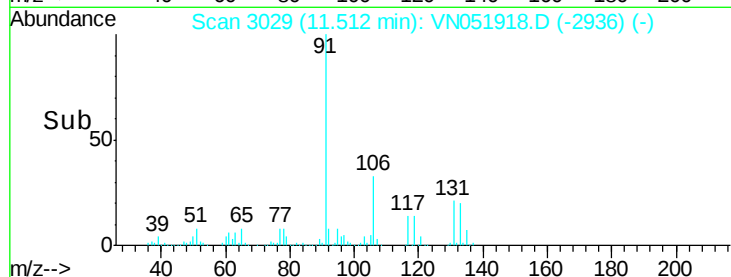
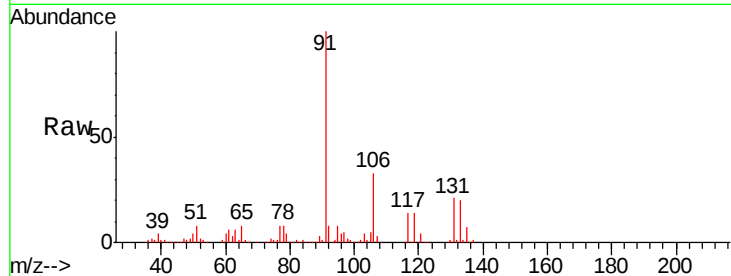
#67
Ethyl Benzene
Concen: 20.07 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion: 91 Resp: 855668
Ion Ratio Lower Upper
91 100
106 33.1 26.6 39.8

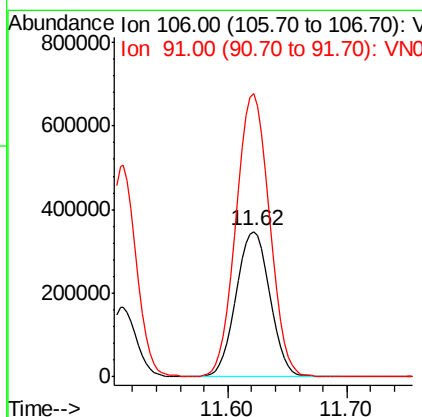
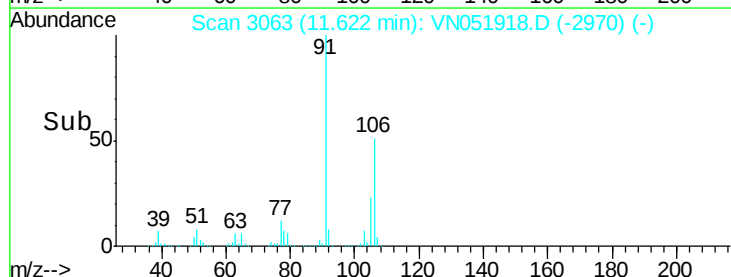
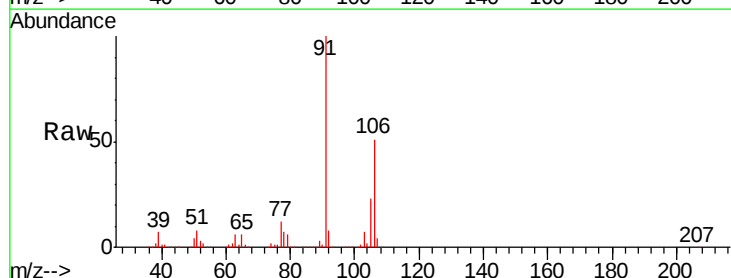
Manual Integrations
APPROVED

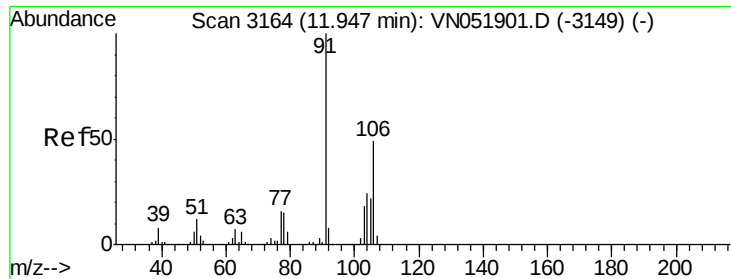
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#68
m/p-Xylenes
Concen: 39.99 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion: 106 Resp: 684604
Ion Ratio Lower Upper
106 100
91 193.0 153.6 230.4





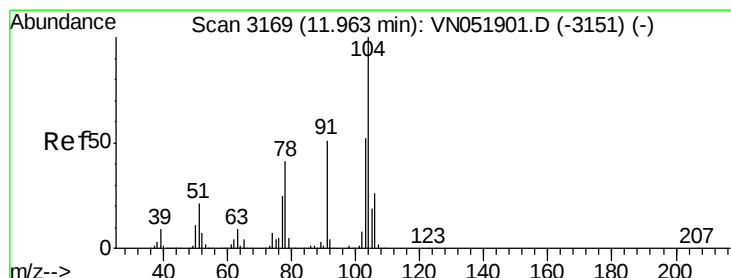
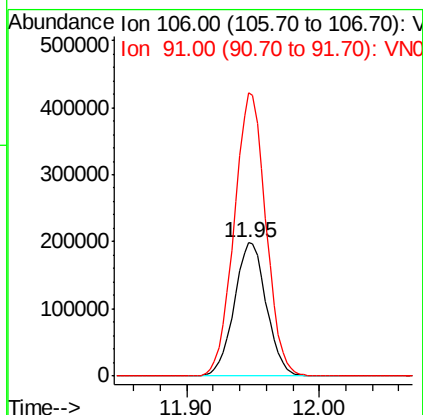
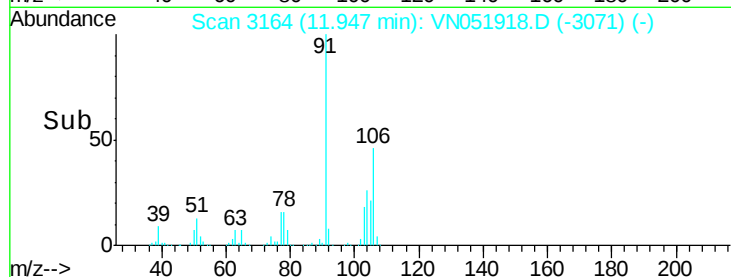
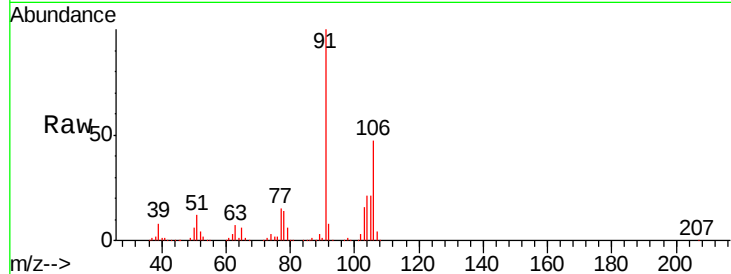
#69
o-Xylene
Concen: 20.06 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion:106 Resp: 334594
Ion Ratio Lower Upper
106 100
91 208.8 100.7 302.1

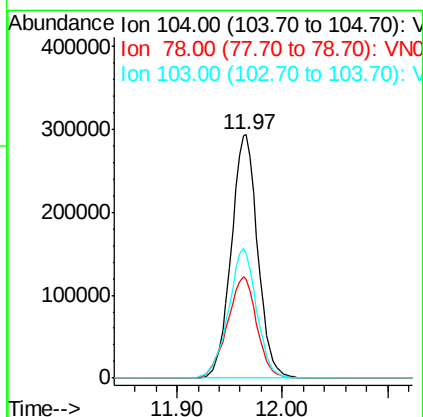
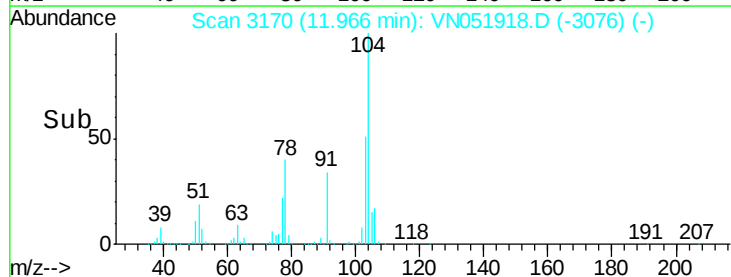
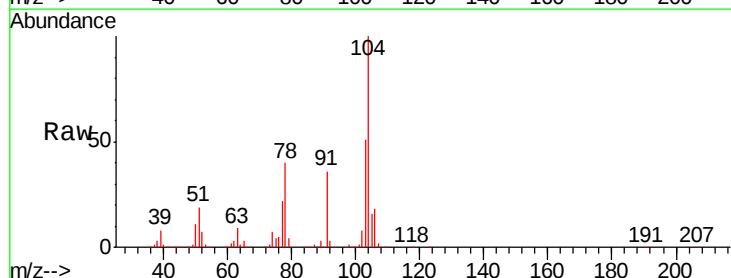
Manual Integrations
APPROVED

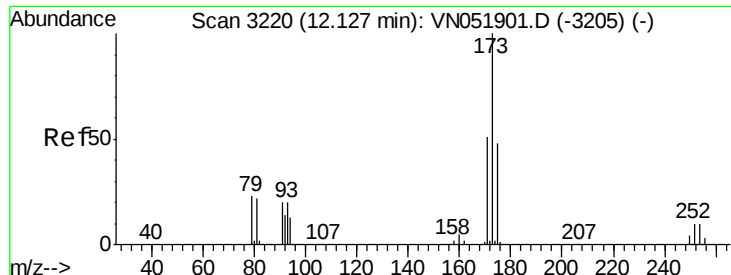
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#70
Styrene
Concen: 19.77 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion:104 Resp: 507459
Ion Ratio Lower Upper
104 100
78 46.2 36.6 55.0
103 56.7 44.6 67.0





#71

Bromoform

Concen: 17.95 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion:173 Resp: 114641

Ion Ratio Lower Upper

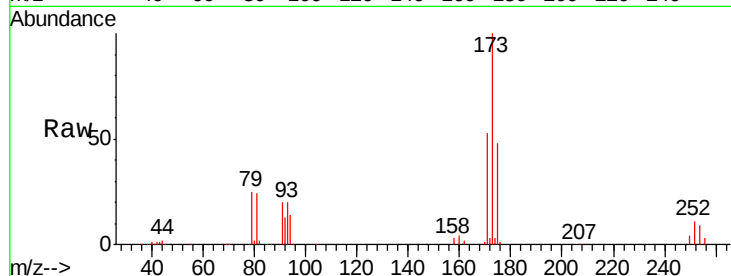
173 100

175 49.2 24.0 72.0

254 0.0 0.2 0.2#

Manual Integrations
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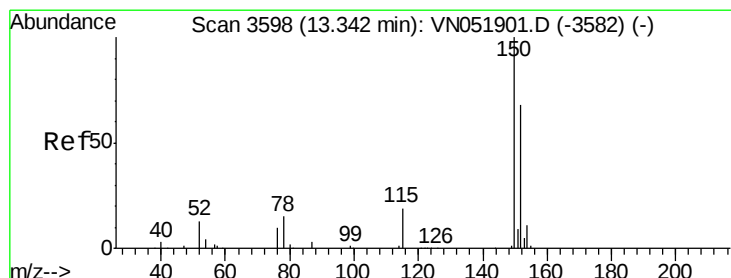
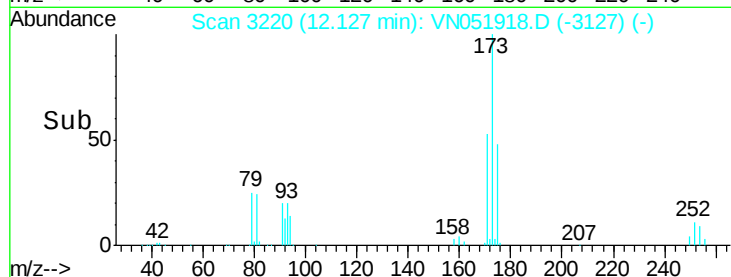
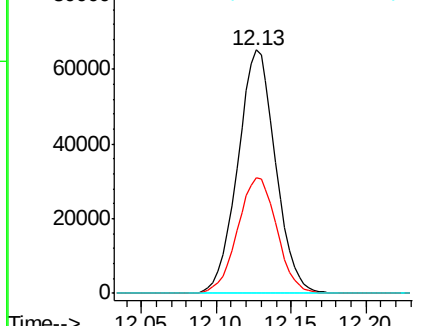
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN051918.D

Acq: 18 Oct 2018 16:01

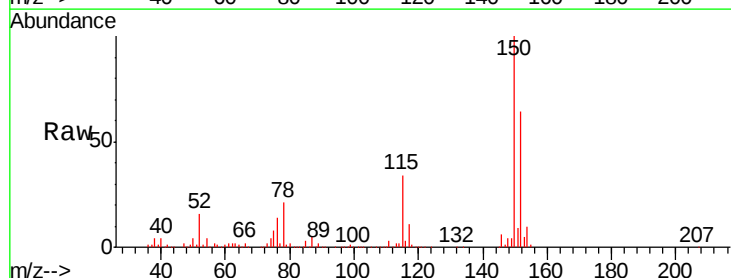
Tgt Ion:152 Resp: 567346

Ion Ratio Lower Upper

152 100

115 54.4 26.7 80.1

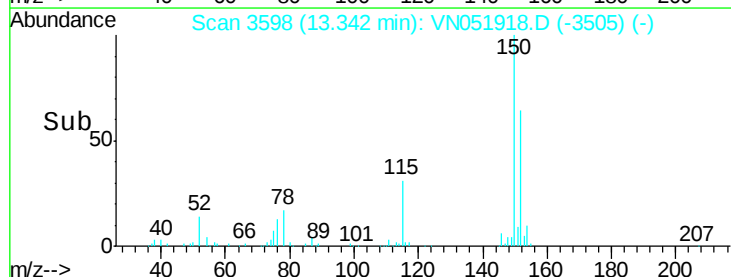
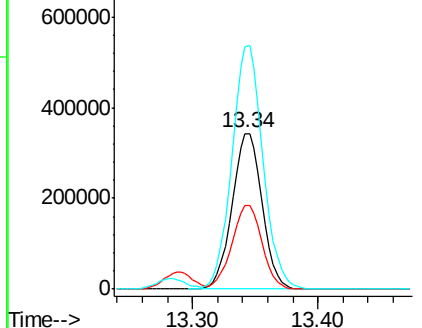
150 161.9 0.0 346.4

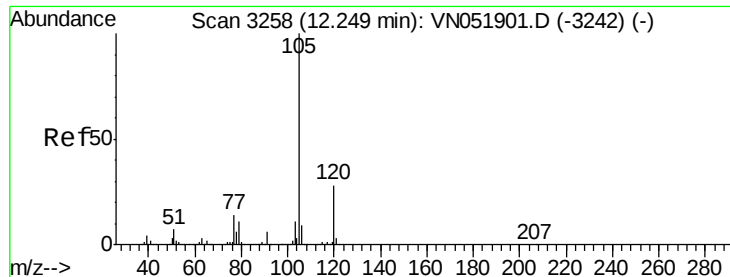


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.61 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion: 105 Resp: 905389

Ion Ratio Lower Upper

105 100

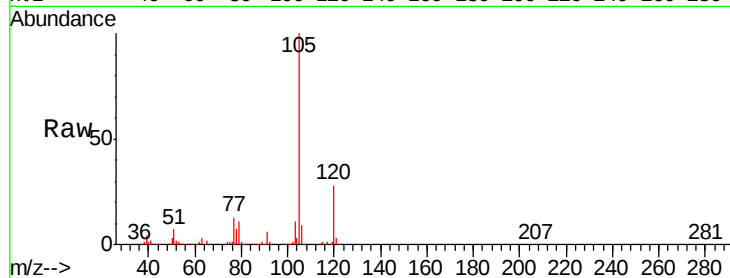
120 28.1 14.0 41.9

Manual Integrations

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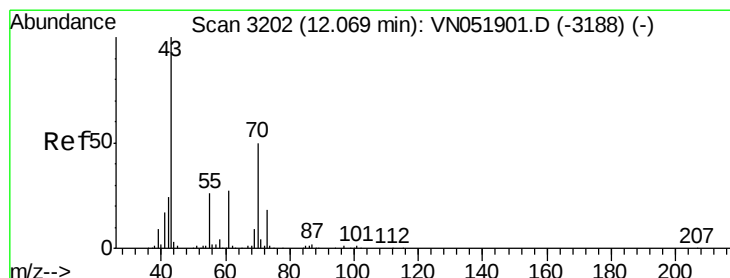
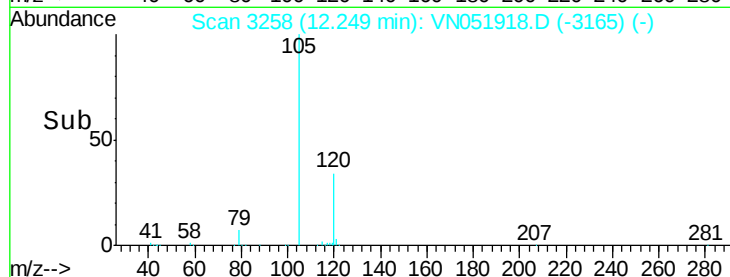
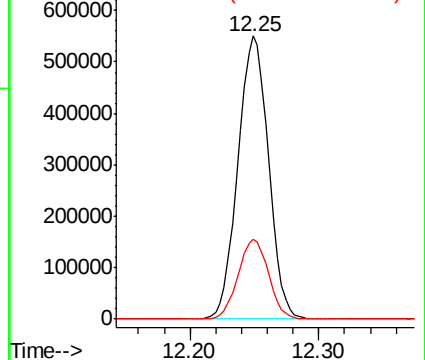
MMDadoda

10/19/2018 4:37:57 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.08 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Tgt Ion: 43 Resp: 144059

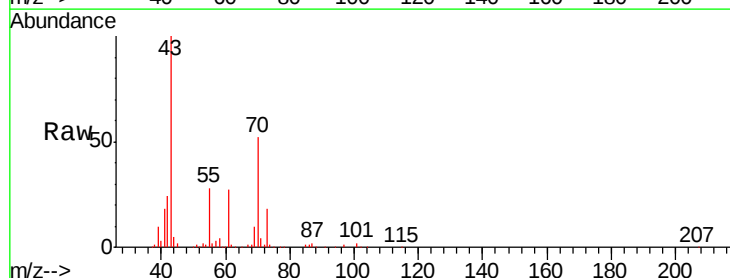
Ion Ratio Lower Upper

43 100

70 52.6 40.1 60.1

55 26.6 21.0 31.4

61 27.3 21.4 32.0

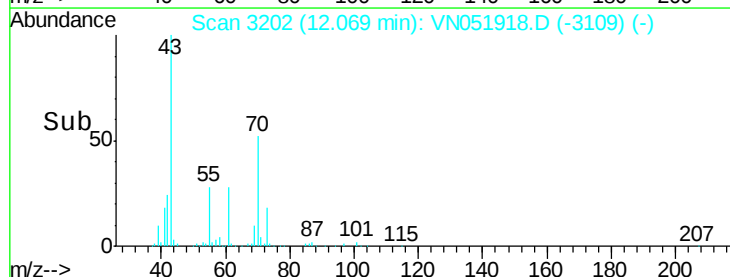
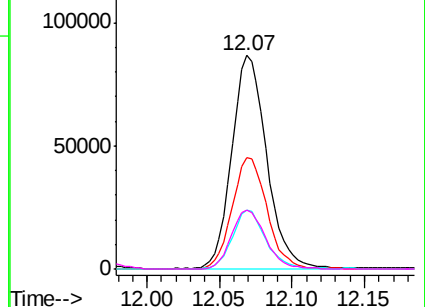


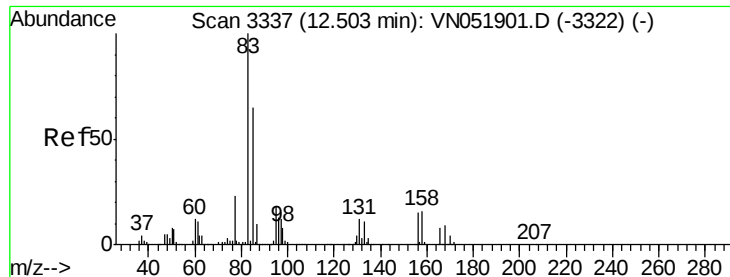
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.56 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion: 83 Resp: 182475
Ion Ratio Lower Upper

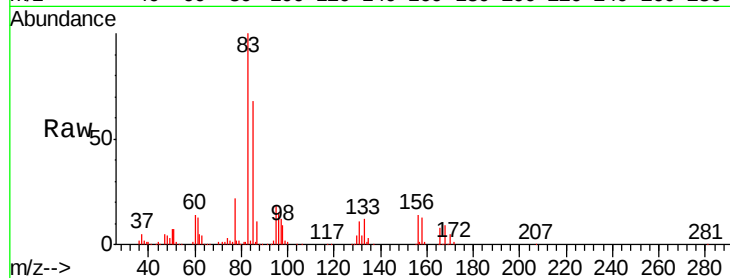
83 100

131 11.9 6.2 18.6

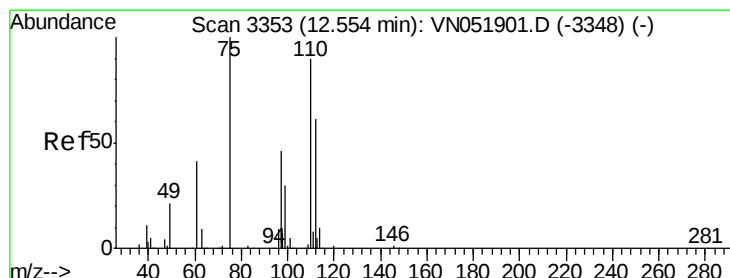
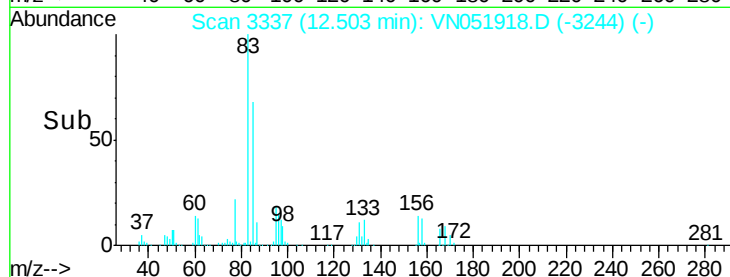
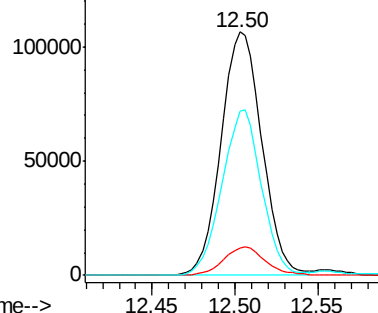
85 65.7 32.6 97.7

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 21.03 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

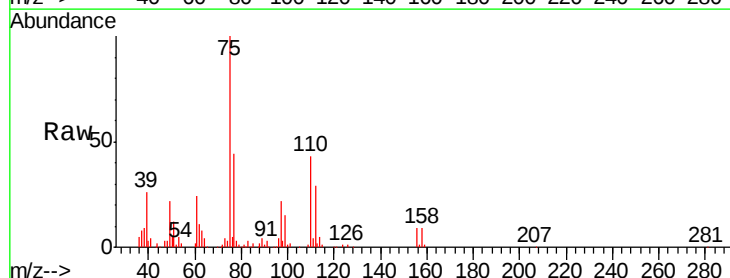
Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

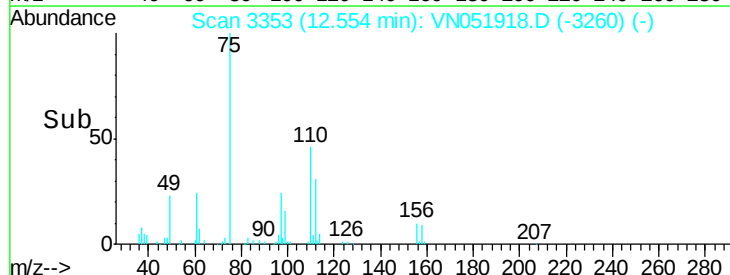
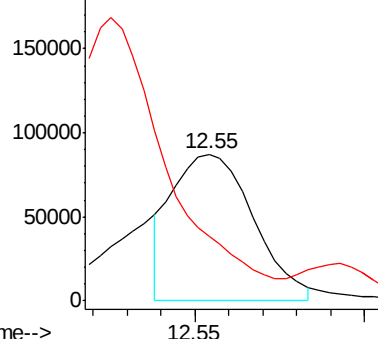
Tgt Ion: 75 Resp: 144984
Ion Ratio Lower Upper

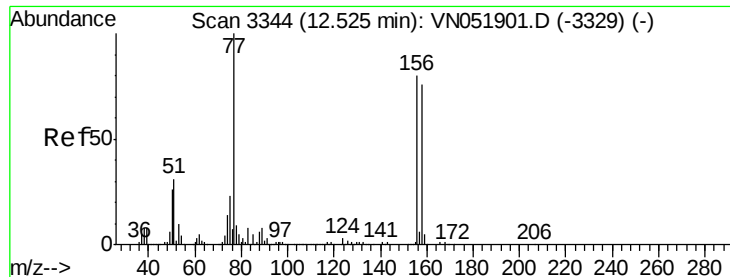
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.11 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

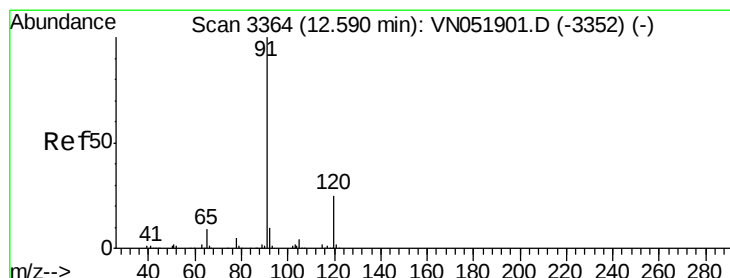
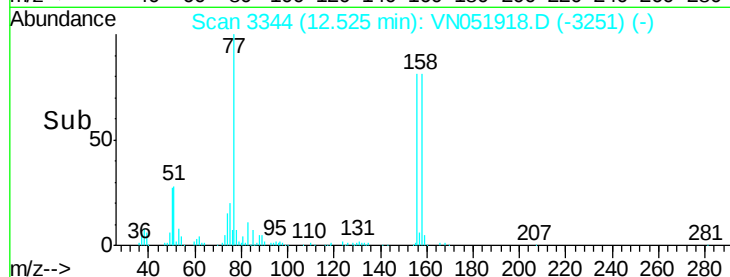
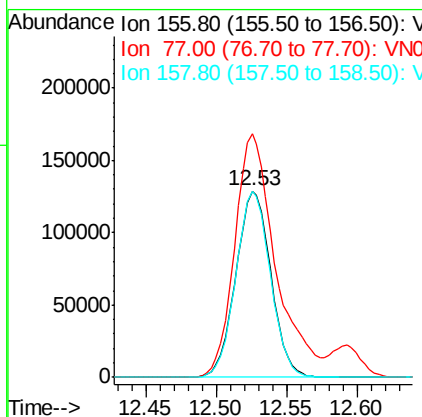
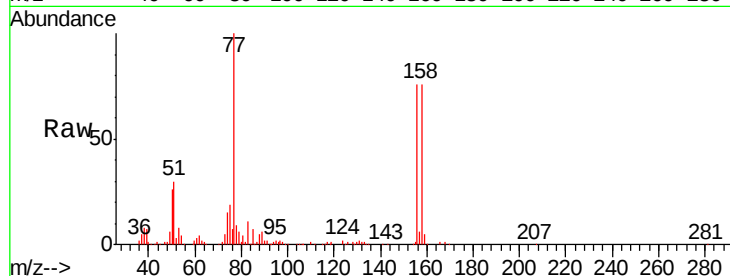
ClientSampleId :

VN1018WBSD02

Tgt Ion:	156	Resp:	224794
Ion Ratio	Lower	Upper	
156	100		
77	151.8	73.0	219.0
158	98.3	48.4	145.0

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#78

n-propylbenzene

Concen: 20.47 ug/l

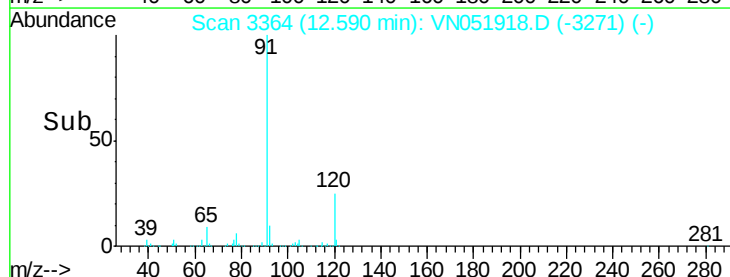
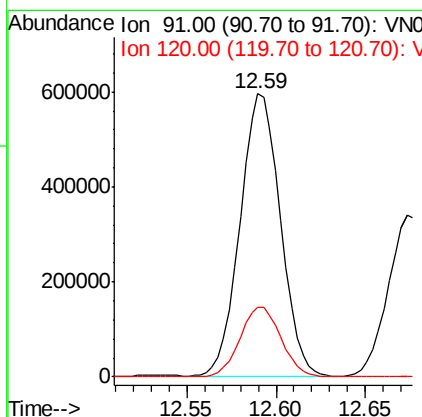
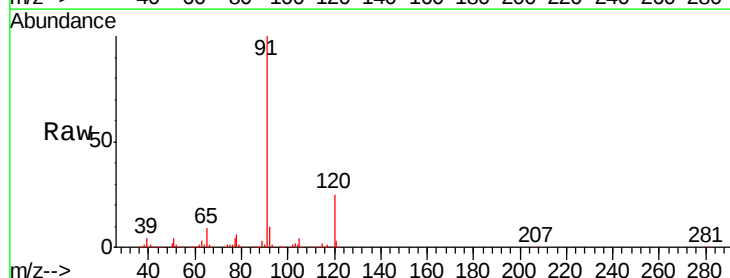
RT: 12.59 min Scan# 3364

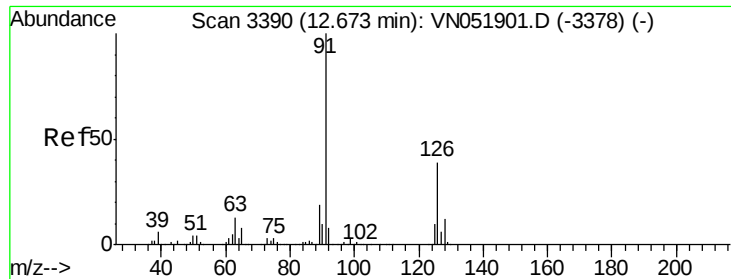
Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Tgt Ion:	91	Resp:	936037
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.9	38.7





#79

2-Chlorotoluene

Concen: 21.92 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD02

Tgt Ion: 91 Resp: 567544

Ion Ratio Lower Upper

91 100

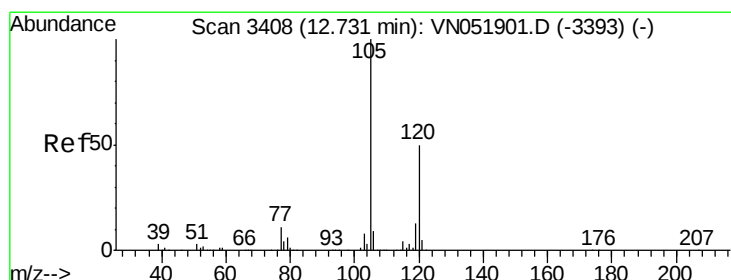
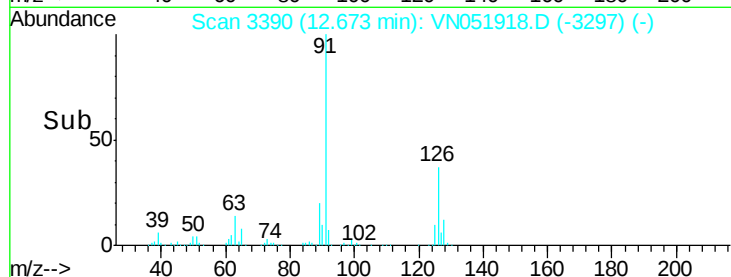
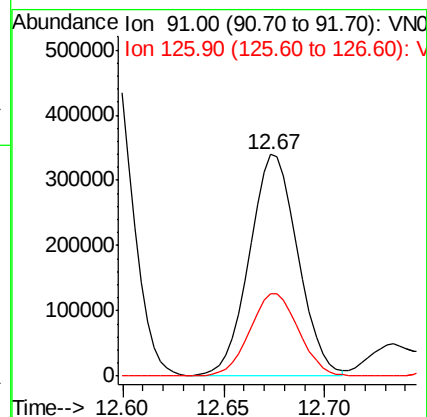
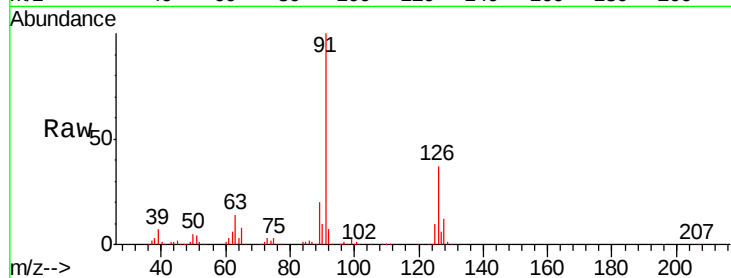
126 37.9 19.6 58.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.68 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051918.D

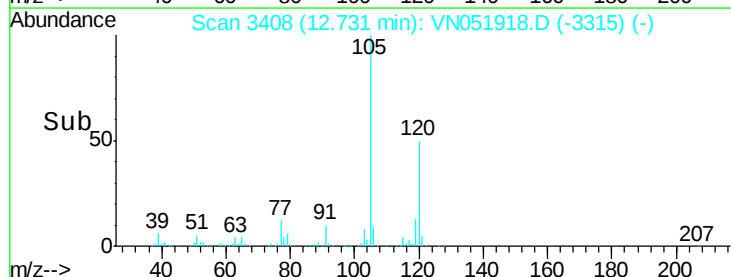
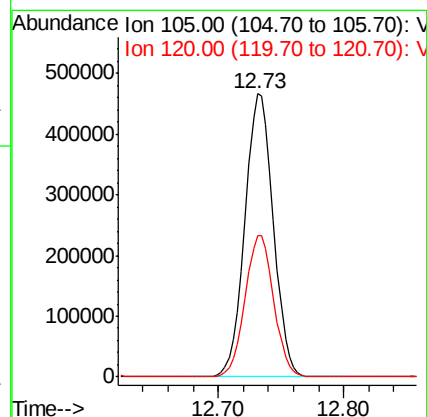
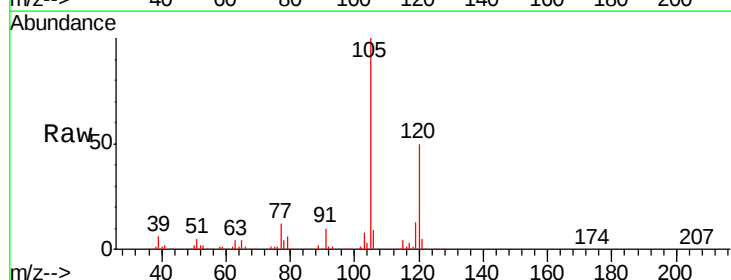
Acq: 18 Oct 2018 16:01

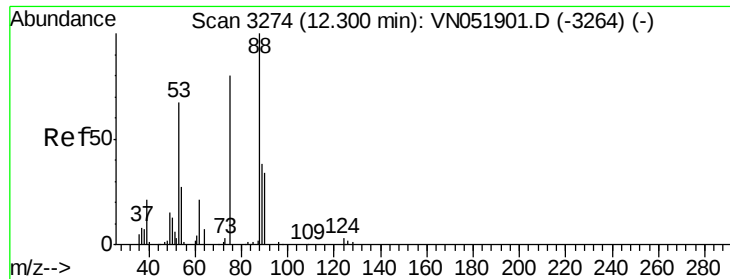
Tgt Ion: 105 Resp: 734207

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 17.17 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

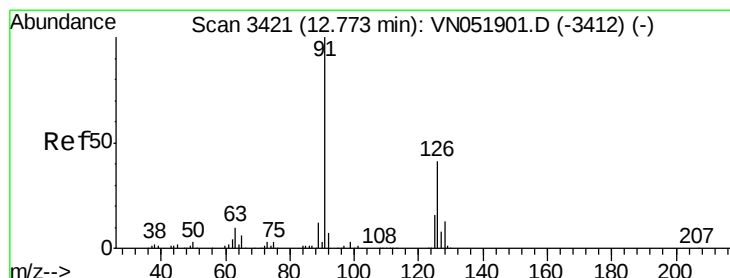
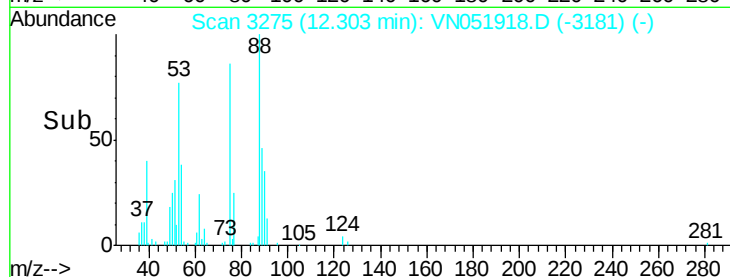
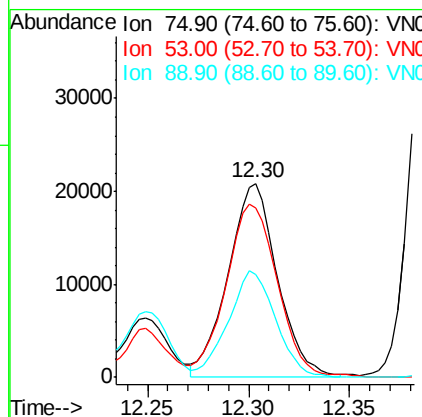
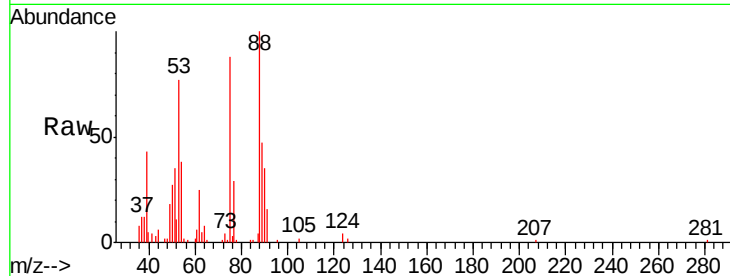
ClientSampleId :

VN1018WBSD02

Tgt Ion:	75	Resp:	35710
Ion	Ratio	Lower	Upper
75	100		
53	94.2	68.5	102.7
89	52.7	39.0	58.6

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#82

4-Chlorotoluene

Concen: 20.40 ug/l

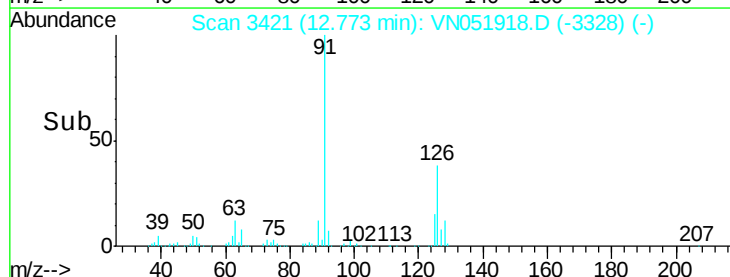
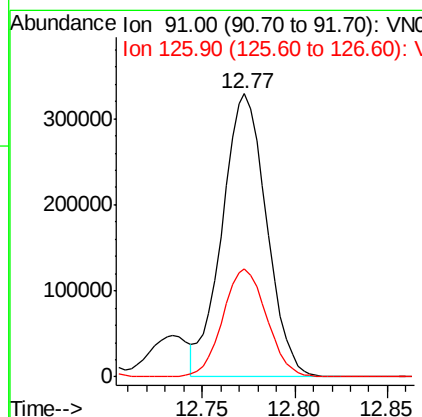
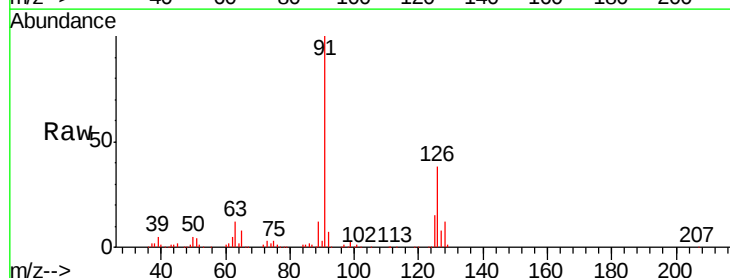
RT: 12.77 min Scan# 3421

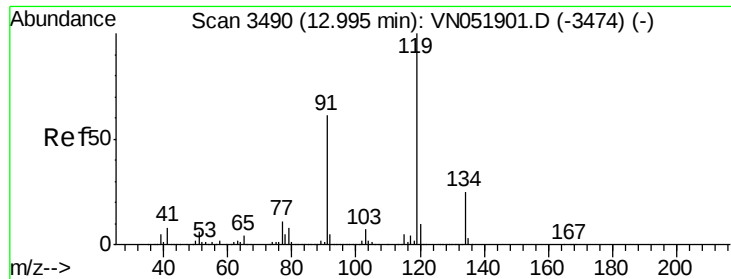
Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Tgt Ion:	91	Resp:	545038
Ion	Ratio	Lower	Upper
91	100		
126	37.8	18.9	56.7





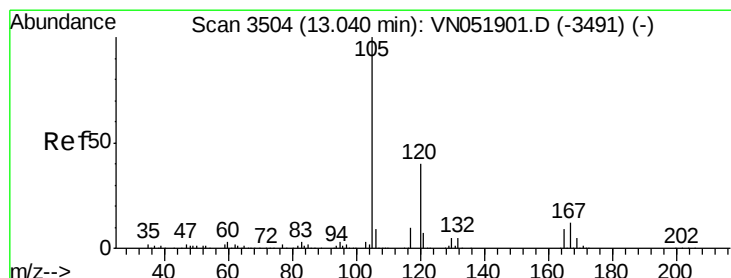
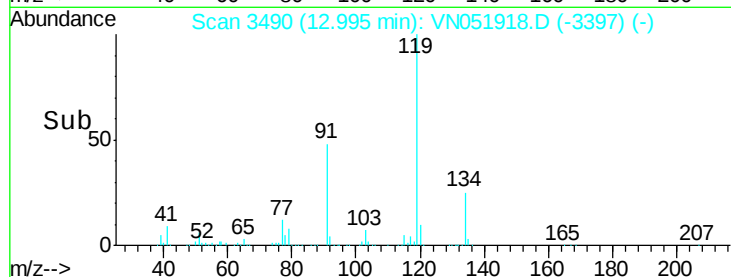
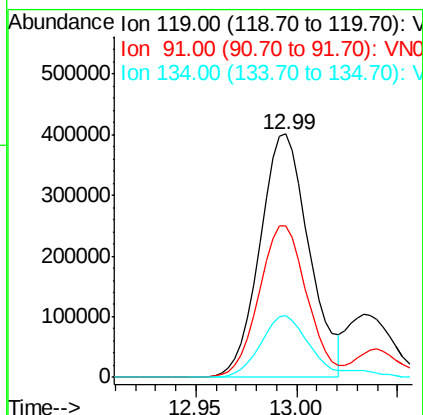
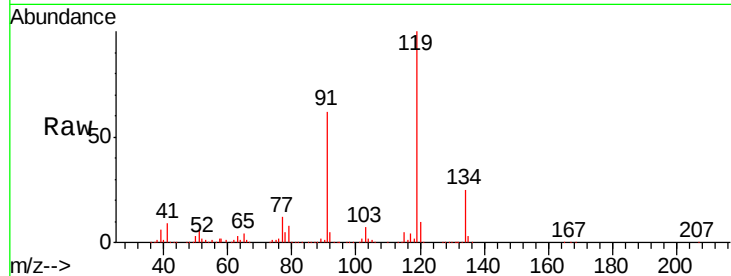
#83
 tert-Butylbenzene
 Concen: 20.39 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	680312		
91	60.6	30.3	90.9	
134	26.8	13.4	40.1	

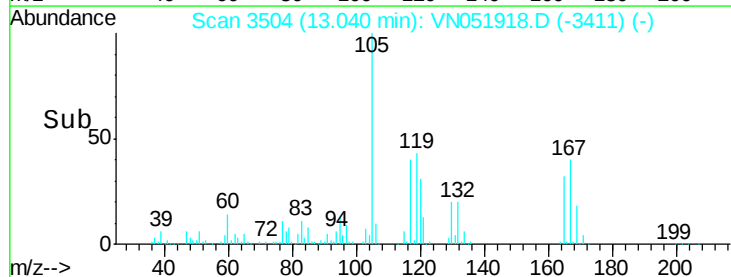
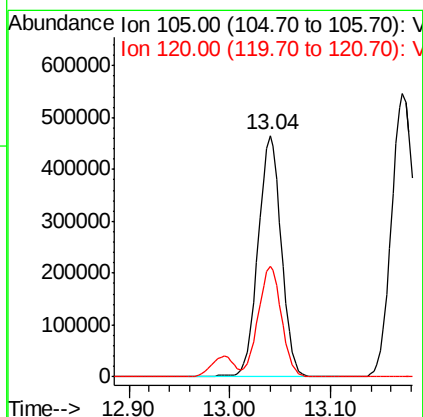
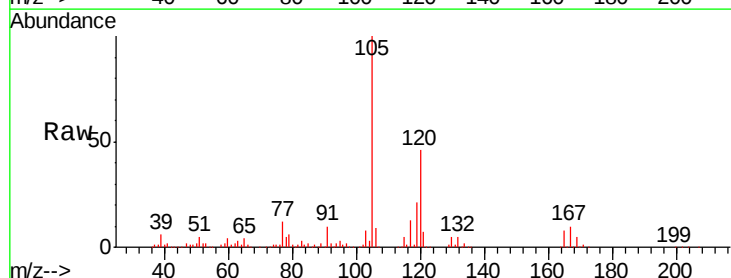
Manual Integrations
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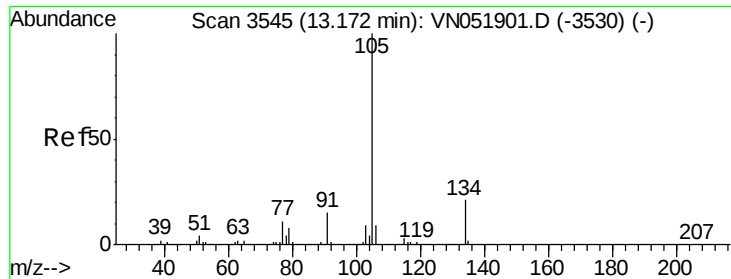
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.15 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	738337		
120	46.0	23.8	71.4	





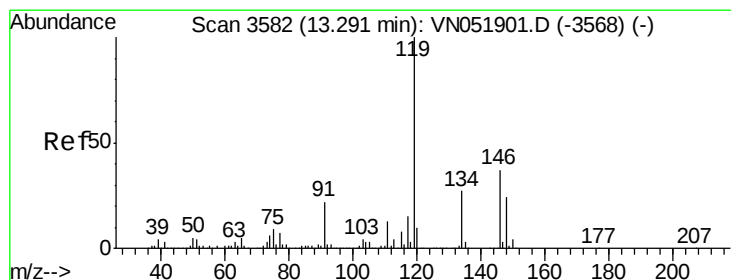
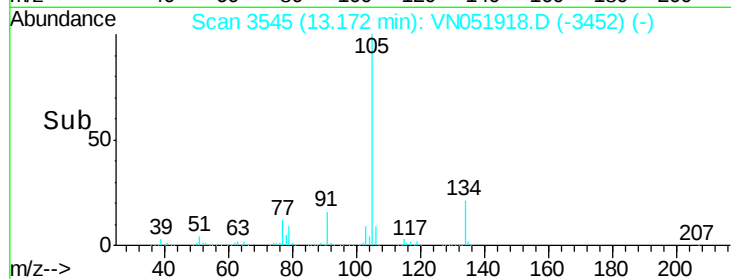
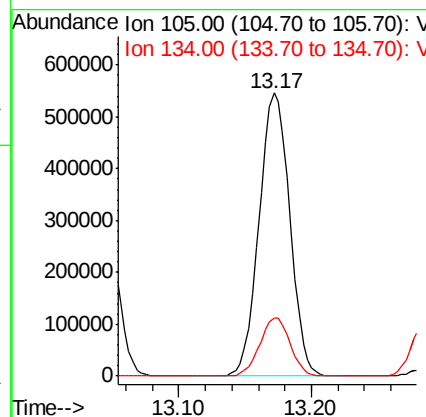
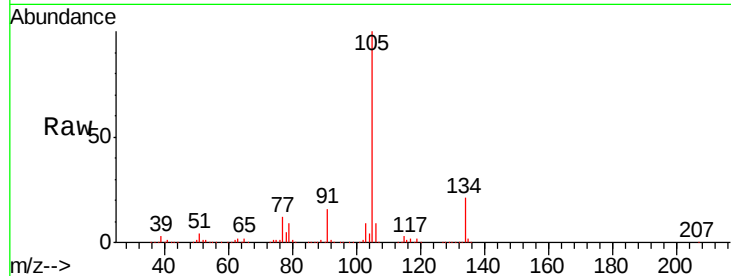
#85
 sec-Butylbenzene
 Concen: 20.67 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.8	32.3

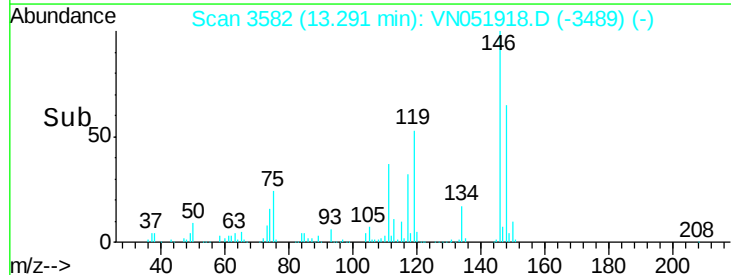
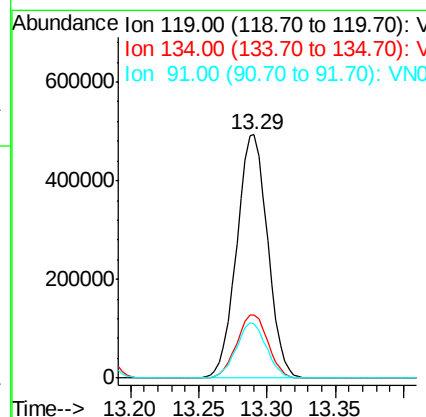
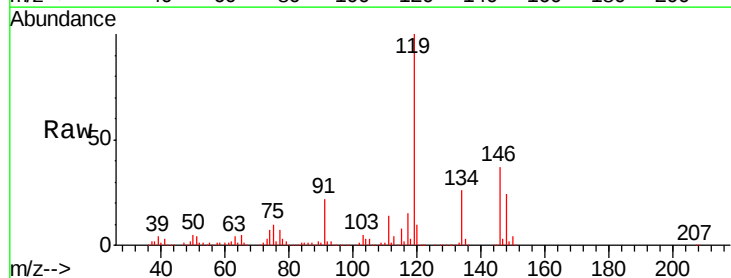
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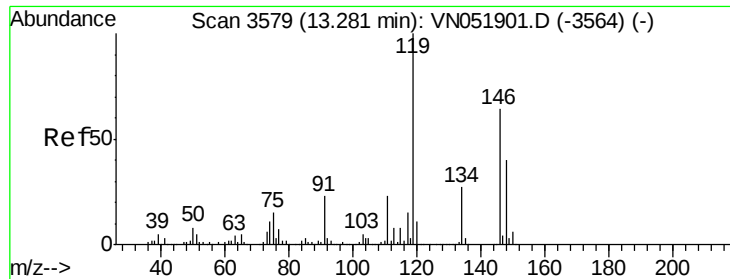
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#86
 p-Isopropyltoluene
 Concen: 21.06 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.8	41.3
91	22.1	10.9	32.9





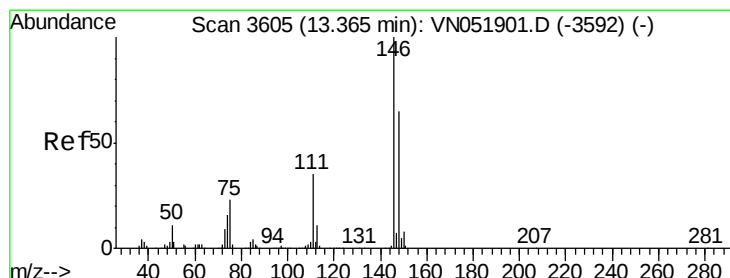
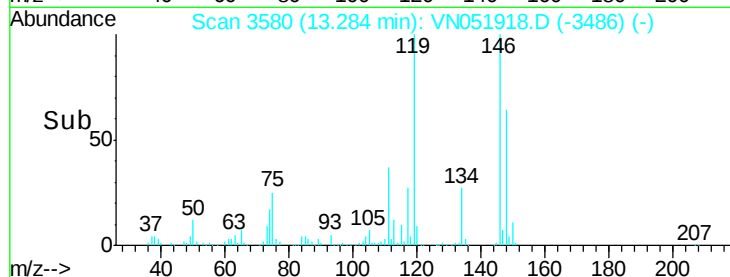
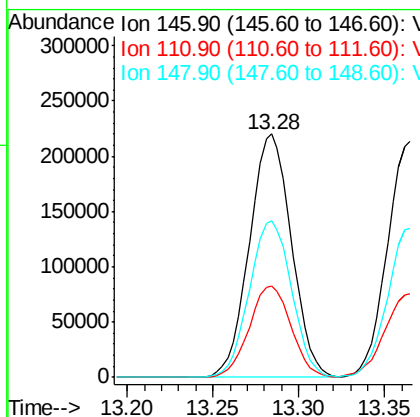
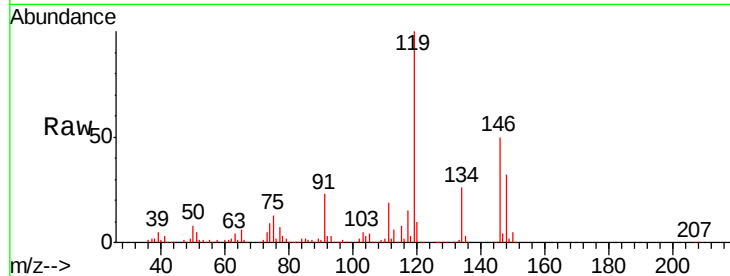
#87
 1,3-Dichlorobenzene
 Concen: 19.79 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.3	54.8
148	64.6	31.9	95.7

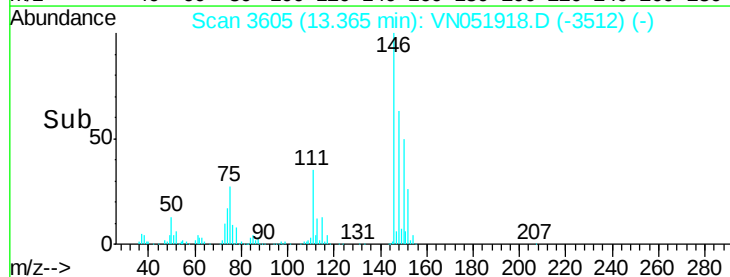
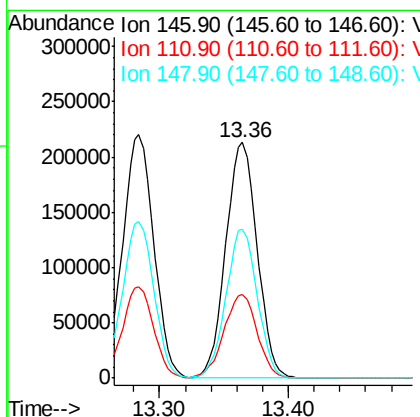
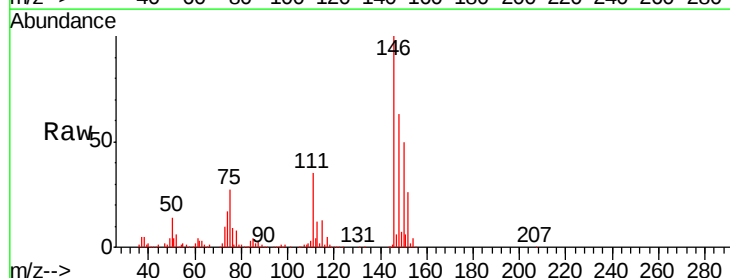
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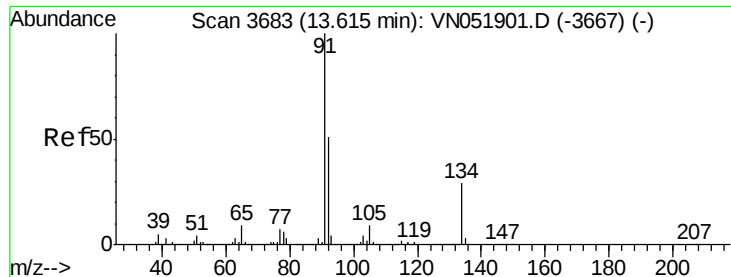
MMDadoda
 10/19/2018 4:37:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.46 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	17.9	53.7
148	63.0	32.8	98.3





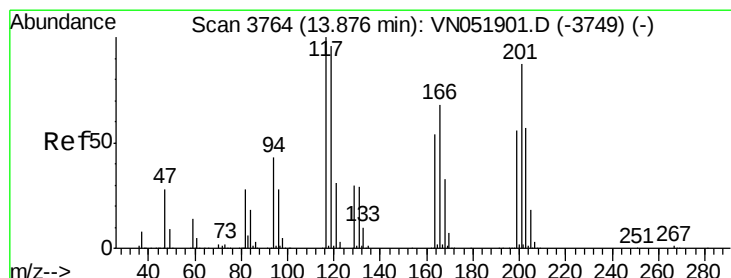
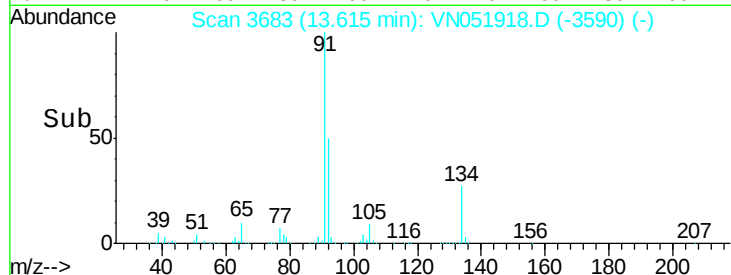
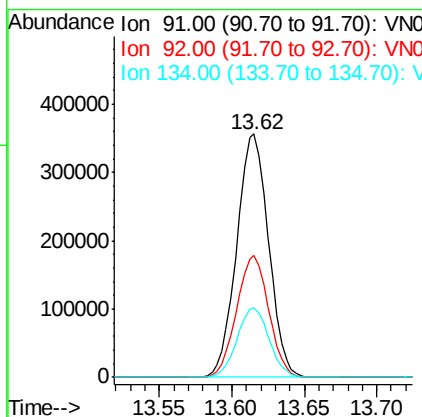
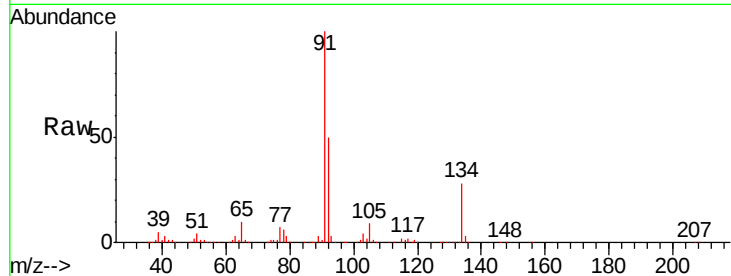
#89
n-Butylbenzene
Concen: 20.41 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD02

Tgt Ion: 91 Resp: 544189
Ion Ratio Lower Upper
91 100
92 50.6 25.9 77.7
134 28.8 14.6 43.8

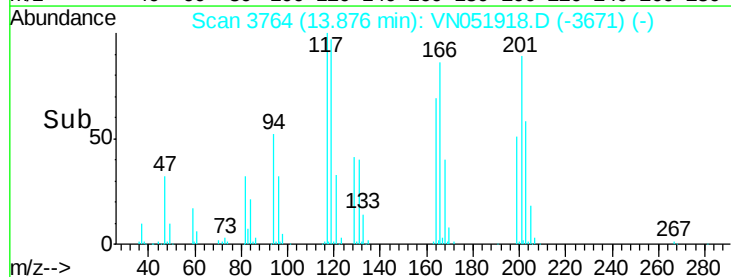
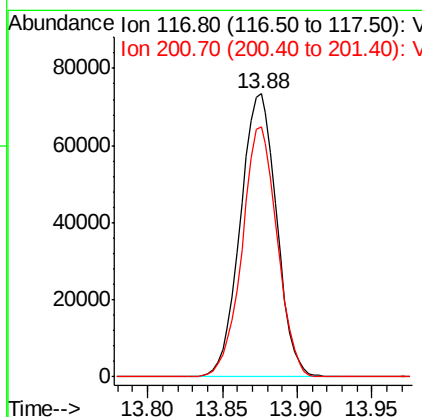
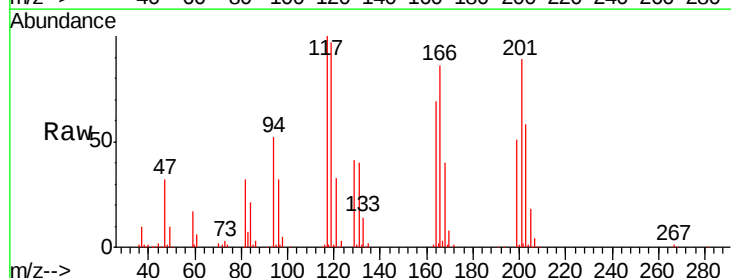
Manual Integrations
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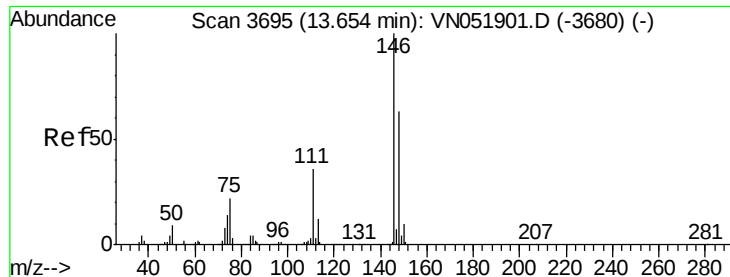
MMDadoda
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#90
Hexachloroethane
Concen: 20.17 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN051918.D
Acq: 18 Oct 2018 16:01

Tgt Ion: 117 Resp: 123977
Ion Ratio Lower Upper
117 100
201 85.3 43.8 131.3





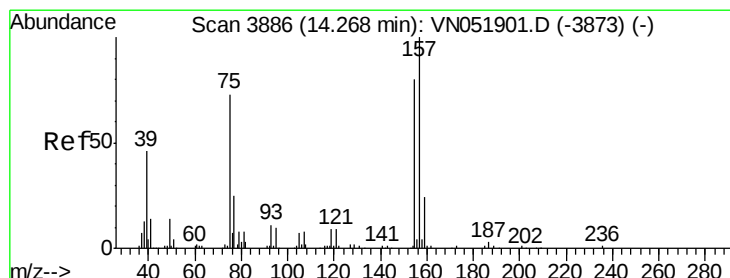
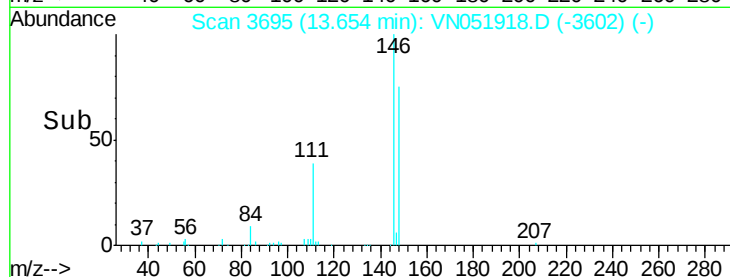
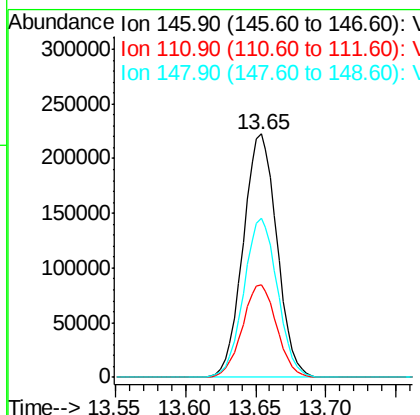
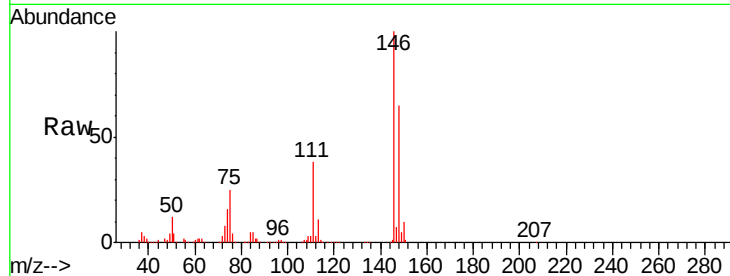
#91
 1,2-Dichlorobenzene
 Concen: 20.51 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	374213		
111	38.5	18.6	55.6	
148	65.1	32.0	96.2	

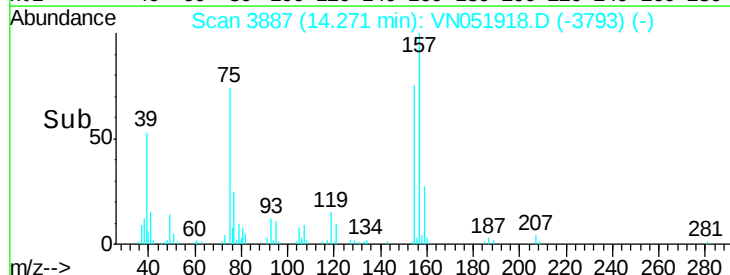
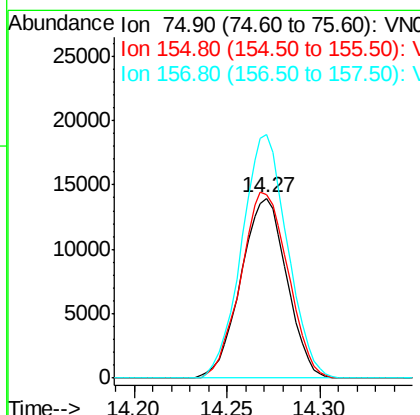
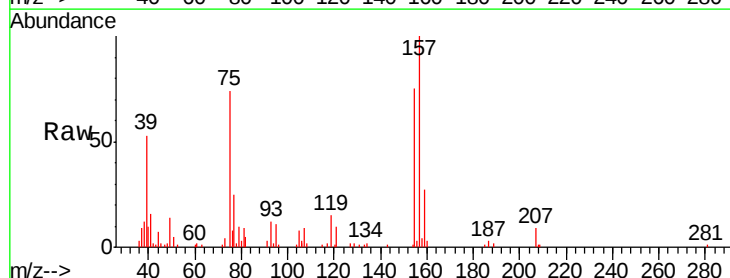
Manual Integrations
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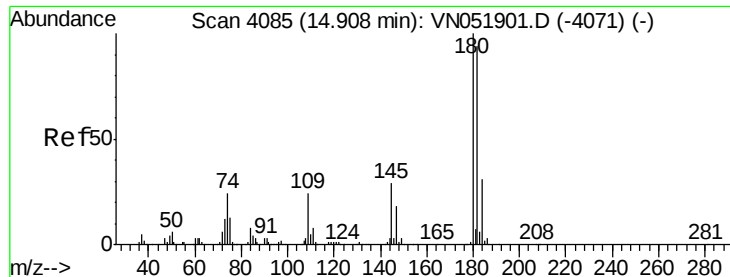
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.14 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23951		
155	106.5	53.4	160.2	
157	135.0	69.3	207.9	





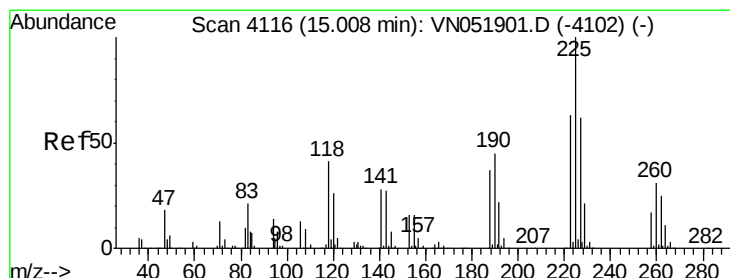
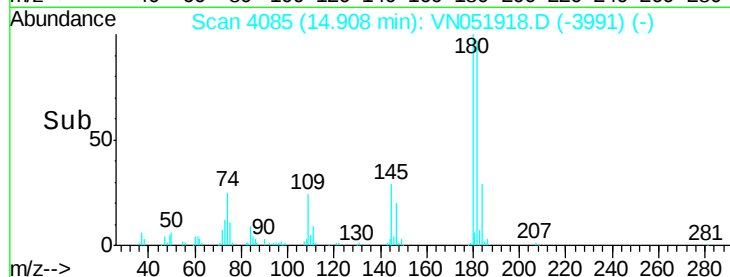
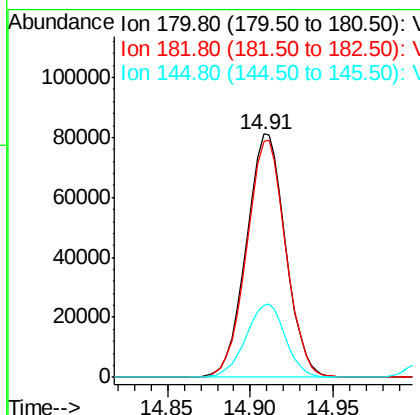
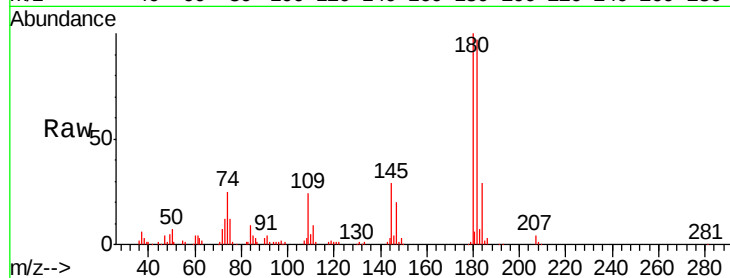
#93
 1,2,4-Trichlorobenzene
 Concen: 17.40 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.3	141.9
145	30.2	14.5	43.5

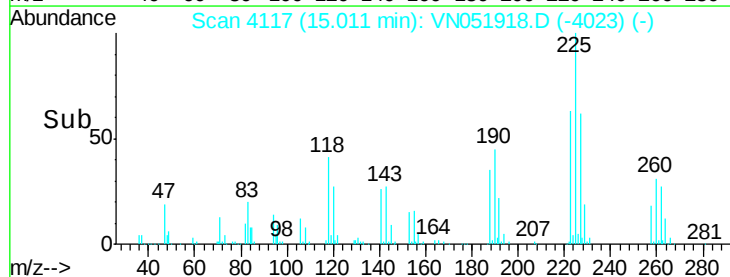
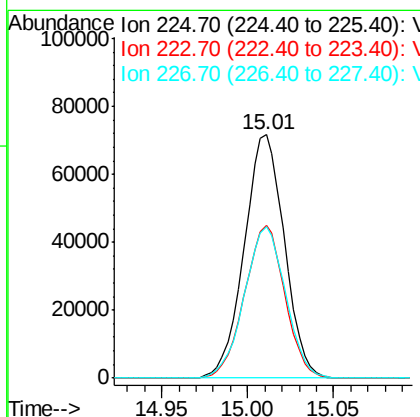
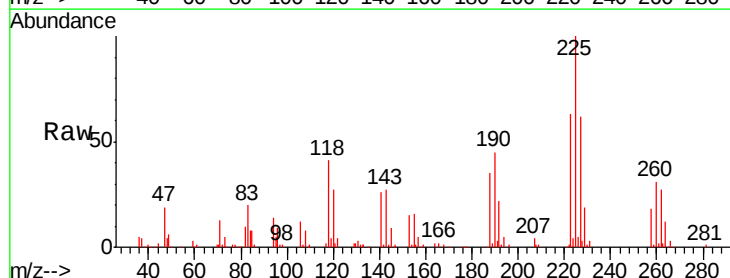
Manual Integrations
 APPROVED

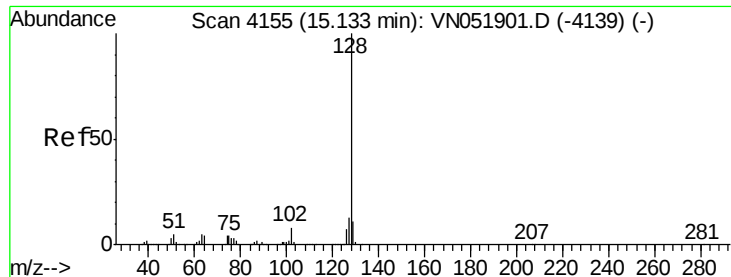
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 10/19/2018 4:37:57 PM



#94
 Hexachlorobutadiene
 Concen: 20.13 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051918.D
 Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.0	96.2
227	63.7	31.9	95.9





#95

Naphthalene

Concen: 16.84 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Instrument :

MSVOA_N

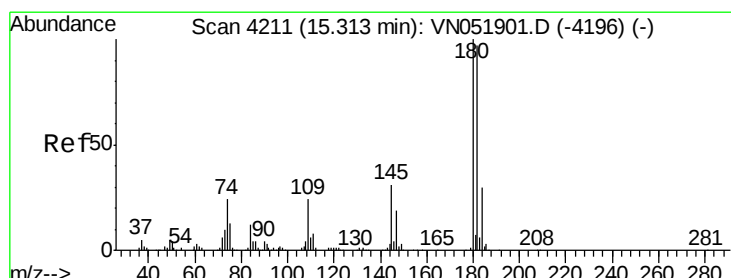
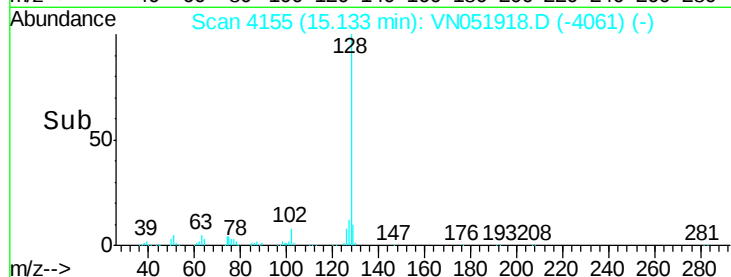
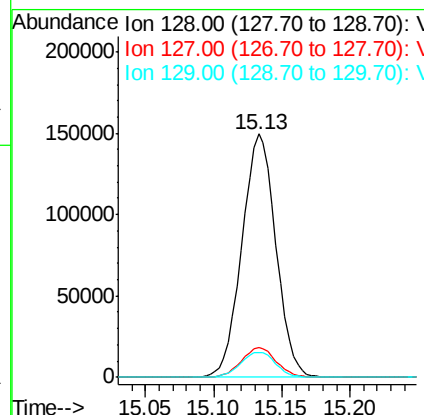
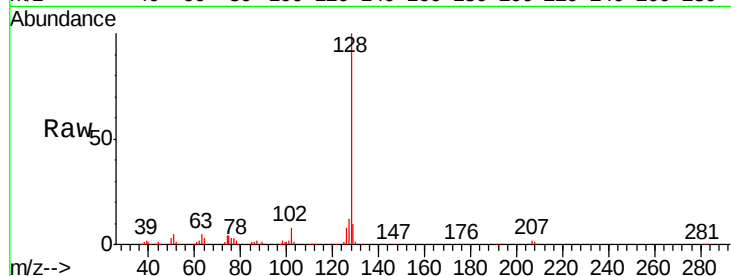
ClientSampleId :

VN1018WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	258422		
127	12.5	10.2	15.2	
129	10.5	8.5	12.7	

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.34 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051918.D

Acq: 18 Oct 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	144891		
182	96.4	47.9	143.8	
145	31.9	15.2	45.6	

