

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060106.D
 Acq On : 1 Oct 2018 20:11
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100118

Manual Integrations
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10/2/2018 12:31:31 PM

Quant Time: Oct 02 07:14:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1627884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2215447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1793373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	936366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	632572	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
35) Dibromofluoromethane	6.30	113	897191	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	9.44	98	2487496	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.41	95	927932	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	765073m	49.962	ug/l
3) Chloromethane	1.73	50	725039	52.508	ug/l
4) Vinyl Chloride	1.83	62	580745	51.393	ug/l
5) Bromomethane	2.12	94	101899	71.816	ug/l
6) Chloroethane	2.23	64	182924	59.320	ug/l
7) Trichlorofluoromethane	2.48	101	688543	50.888	ug/l
8) Diethyl Ether	2.80	74	146233	52.559	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.06	101	439636	52.156	ug/l
10) Methyl Iodide	3.22	142	457560	51.187	ug/l
11) Tert butyl alcohol	3.94	59	226993	256.496	ug/l
12) 1,1-Dichloroethene	3.04	96	351282	52.899	ug/l
13) Acrolein	2.95	56	122680	224.877	ug/l
14) Allyl chloride	3.51	41	715314	51.865	ug/l
15) Acrylonitrile	4.06	53	908127	247.917	ug/l
16) Acetone	3.13	43	521532	232.924	ug/l
17) Carbon Disulfide	3.29	76	1167816	52.296	ug/l
18) Methyl Acetate	3.53	43	247706	51.471	ug/l
19) Methyl tert-butyl Ether	4.10	73	1465976	50.210	ug/l
20) Methylene Chloride	3.69	84	870051	49.307	ug/l
21) trans-1,2-Dichloroethene	4.07	96	847905	49.439	ug/l
22) Diisopropyl ether	4.82	45	3134320	50.887	ug/l
23) Vinyl Acetate	4.78	43	8679526	250.694	ug/l
24) 1,1-Dichloroethane	4.73	63	1416304	50.714	ug/l
25) 2-Butanone	5.59	43	1438866	257.228	ug/l
26) 2,2-Dichloropropane	5.56	77	1054538	49.810	ug/l
27) cis-1,2-Dichloroethene	5.56	96	943151	51.905	ug/l
28) Bromochloromethane	5.90	49	682390	50.283	ug/l
29) Tetrahydrofuran	5.93	42	827637	254.726	ug/l
30) Chloroform	6.07	83	1451872	51.394	ug/l
31) Cyclohexane	6.34	56	1310014	49.003	ug/l
32) 1,1,1-Trichloroethane	6.26	97	1178639	50.926	ug/l
36) 1,1-Dichloropropene	6.50	75	1058033	49.977	ug/l
37) Ethyl Acetate	5.67	43	691866	49.235	ug/l
38) Carbon Tetrachloride	6.47	117	982260	51.120	ug/l

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	1249910	51.962	ug/l	98
40) Benzene	6.77	78	2831146	51.117	ug/l	100
41) Methacrylonitrile	5.91	41	392137m	49.371	ug/l	
42) 1,2-Dichloroethane	6.87	62	813539	51.234	ug/l	100
43) Isopropyl Acetate	8.33	43	940375	50.867	ug/l	98
44) Trichloroethene	7.72	130	892419	52.052	ug/l	97
45) 1,2-Dichloropropane	8.08	63	766145	52.829	ug/l	100
46) Dibromomethane	8.19	93	488597	52.039	ug/l	94
47) Bromodichloromethane	8.48	83	1034273	51.700	ug/l	99
48) Methyl methacrylate	8.23	41	532418	50.559	ug/l	97
49) 1,4-Dioxane	8.21	88	104869	1012.126	ug/l	96
51) 4-Methyl-2-Pentanone	9.32	43	2954651	253.391	ug/l	99
52) Toluene	9.53	92	1803031	50.547	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	955596	52.791	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	1144697	51.210	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	581869	49.898	ug/l	98
56) Ethyl methacrylate	10.01	69	693487	53.875	ug/l	96
57) 1,3-Dichloropropane	10.36	76	902118	50.725	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1712104	239.521	ug/l	100
59) 2-Hexanone	10.47	43	2117113	252.495	ug/l	99
60) Dibromochloromethane	10.62	129	764675	53.446	ug/l	99
61) 1,2-Dibromoethane	10.75	107	649068	52.386	ug/l	100
64) Tetrachloroethene	10.24	164	816519	51.983	ug/l	99
65) Chlorobenzene	11.30	112	1989176	51.271	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	681300	52.639	ug/l	99
67) Ethyl Benzene	11.42	91	3209009	51.051	ug/l	99
68) m/p-Xylenes	11.56	106	2327899	99.117	ug/l	98
69) o-Xylene	11.92	106	1153795	49.666	ug/l	95
70) Styrene	11.95	104	1961795	50.497	ug/l	99
71) Bromoform	12.11	173	559650	53.399	ug/l	99
73) Isopropylbenzene	12.26	105	3194950	51.720	ug/l	99
74) N-amyl acetate	12.13	43	1231034	54.405	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	704854	52.265	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	694533	51.505	ug/l	100
77) Bromobenzene	12.53	156	941444	52.445	ug/l	93
78) n-propylbenzene	12.63	91	3860970	50.336	ug/l	98
79) 2-Chlorotoluene	12.70	91	2237337	52.554	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2478149	51.833	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	204502	53.972	ug/l	95
82) 4-Chlorotoluene	12.81	91	2437577	50.623	ug/l	95
83) tert-Butylbenzene	13.04	119	2832596	51.629	ug/l	95
84) 1,2,4-Trimethylbenzene	13.08	105	2590140	51.403	ug/l	96
85) sec-Butylbenzene	13.21	105	3316287	51.122	ug/l	97
86) p-Isopropyltoluene	13.34	119	2783399	52.313	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1611504	51.526	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1570947	50.007	ug/l	97
89) n-Butylbenzene	13.64	91	2611725	50.306	ug/l	98
90) Hexachloroethane	13.85	117	678052	55.064	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	1342063	51.034	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	97422	54.103	ug/l	80

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Manual Integrations
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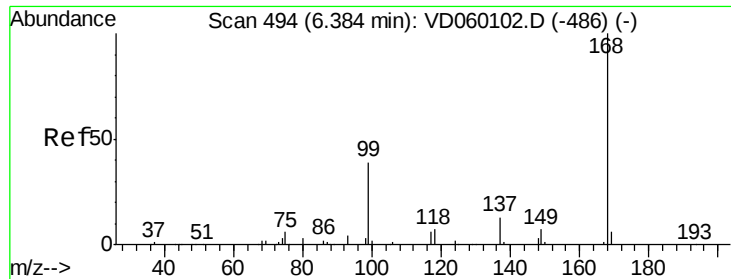
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1164661	52.178	ug/l	97
94) Hexachlorobutadiene	14.87	225	767819	51.751	ug/l	99
95) Naphthalene	14.96	128	1708460	51.637	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1026156	52.848	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion:168 Resp: 1627884

Ion Ratio Lower Upper

168 100

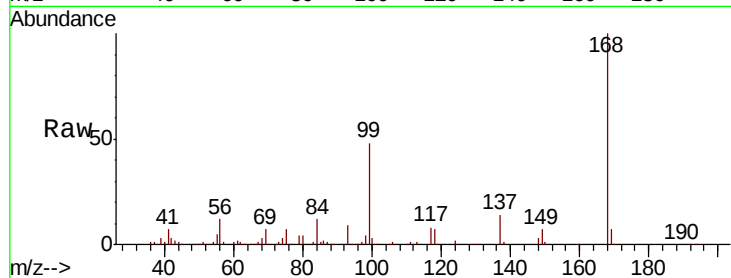
99 48.0 35.4 53.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.38

600000

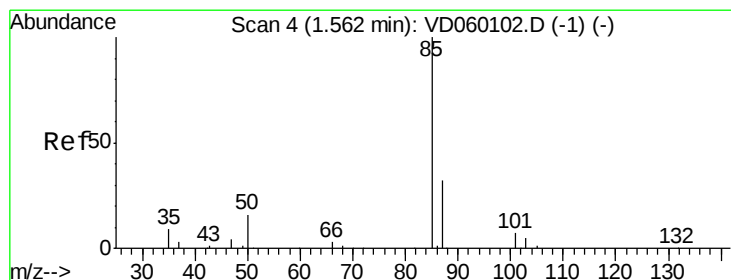
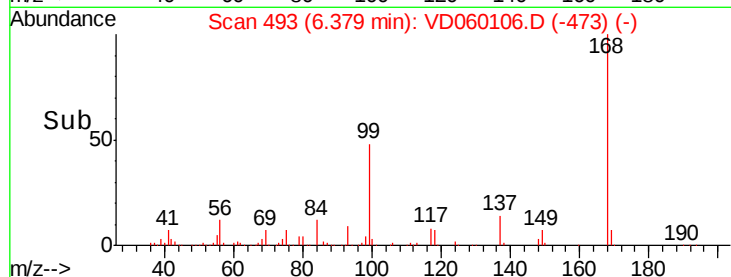
400000

200000

0

6.20 6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 49.962 ug/l m

RT: 1.57 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060106.D

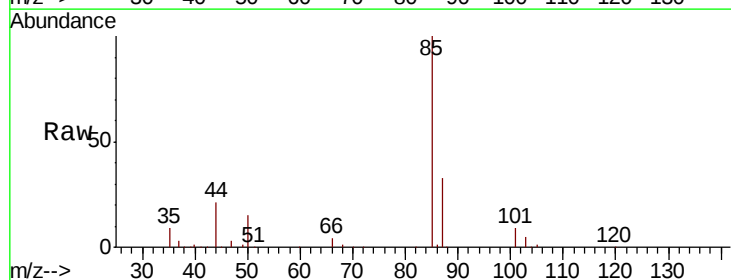
Acq: 1 Oct 2018 20:11

Tgt Ion: 85 Resp: 765073

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.57

400000

300000

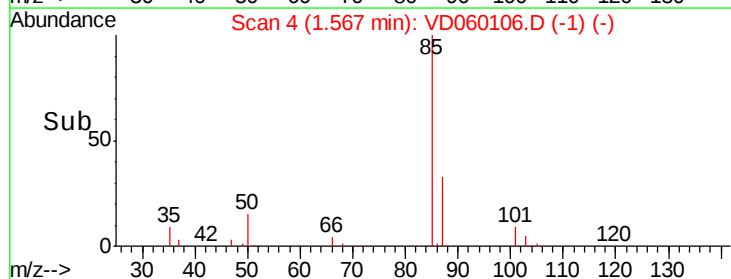
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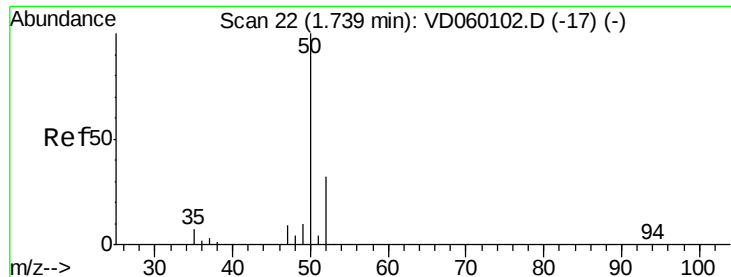
100000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 52.508 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion: 50 Resp: 725039

Ion Ratio Lower Upper

50 100

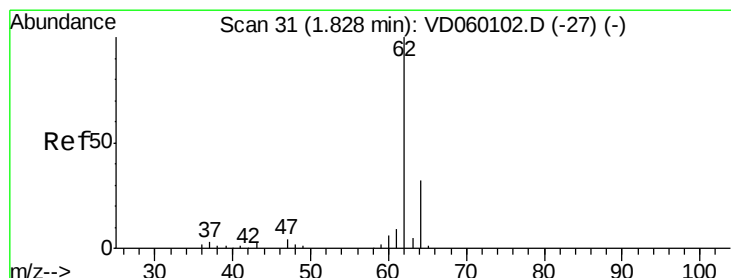
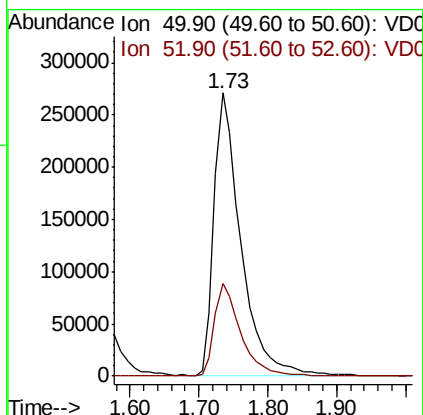
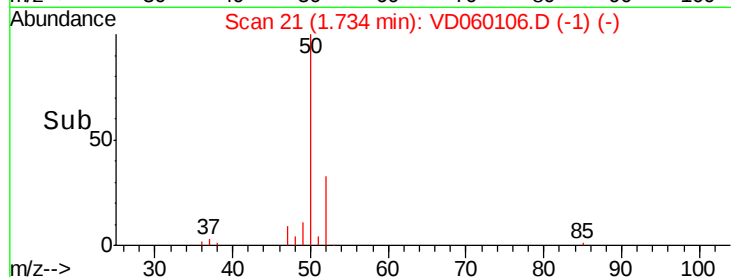
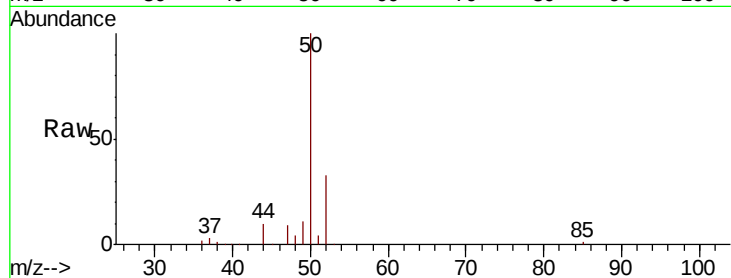
52 33.0 25.3 37.9

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#4

Vinyl Chloride

Concen: 51.393 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060106.D

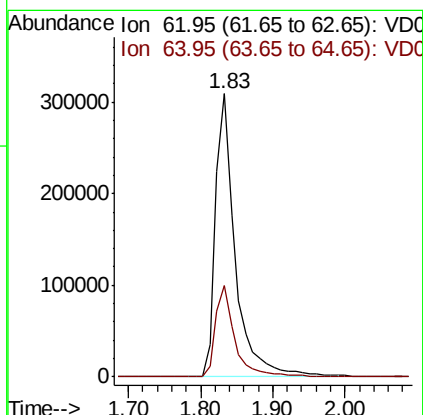
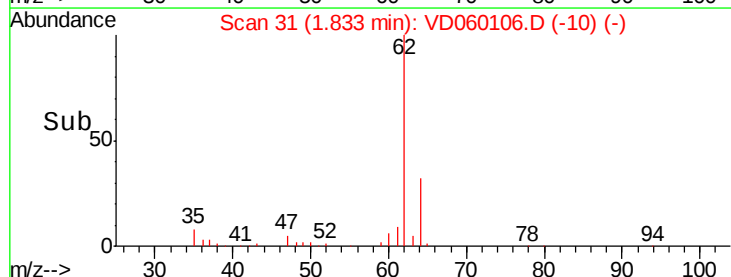
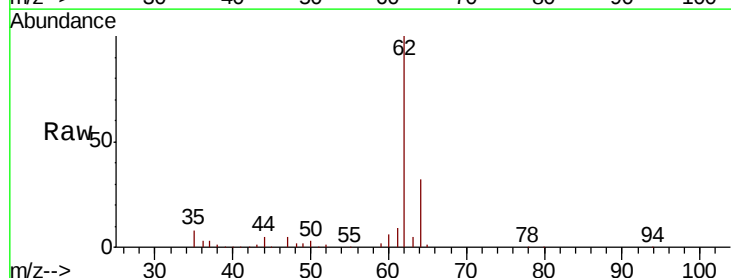
Acq: 1 Oct 2018 20:11

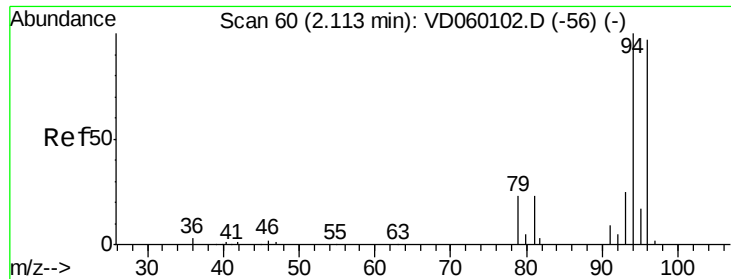
Tgt Ion: 62 Resp: 580745

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 71.816 ug/l

RT: 2.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion: 94 Resp: 101899

Ion Ratio Lower Upper

94 100

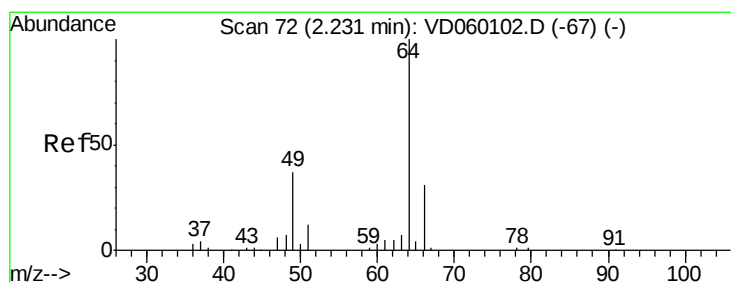
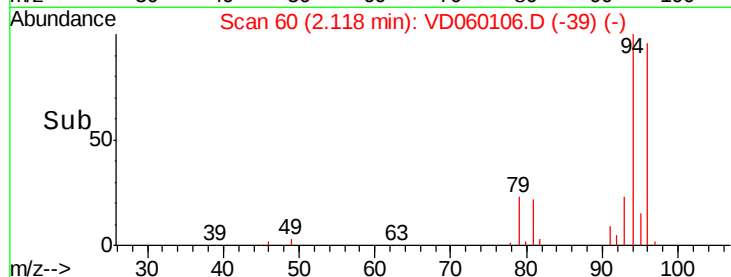
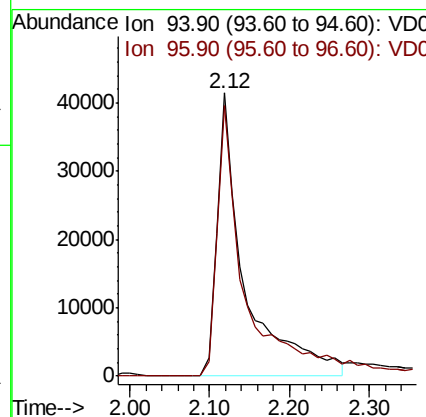
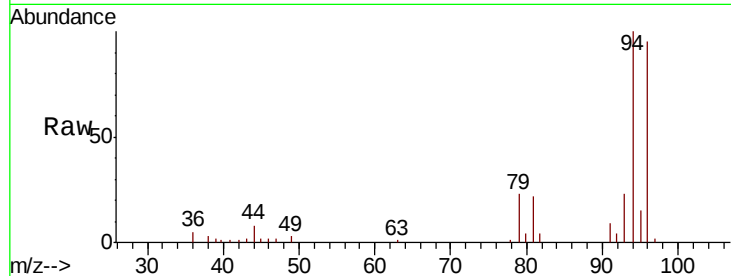
96 95.4 77.4 116.2

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#6

Chloroethane

Concen: 59.320 ug/l

RT: 2.23 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060106.D

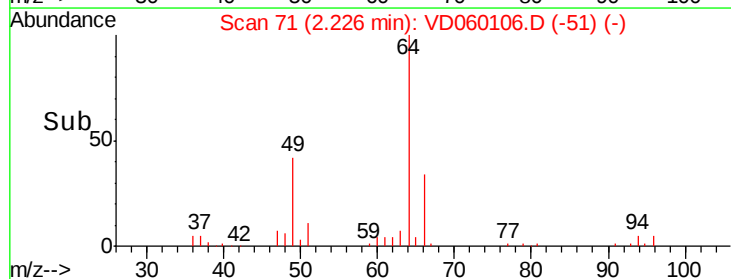
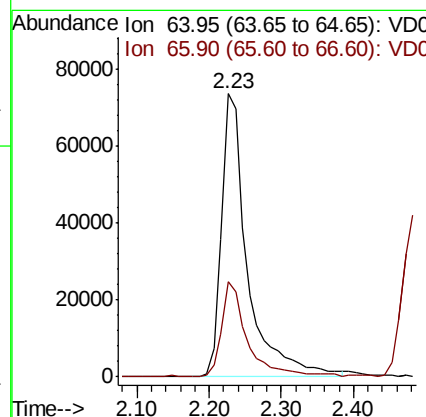
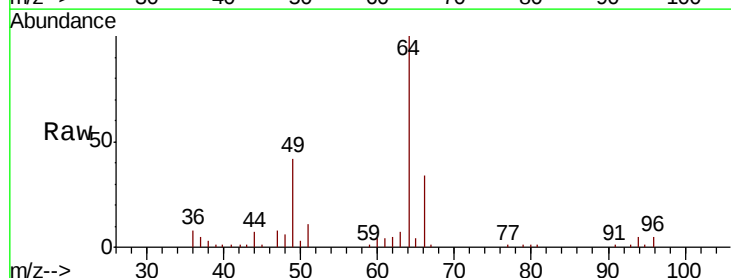
Acq: 1 Oct 2018 20:11

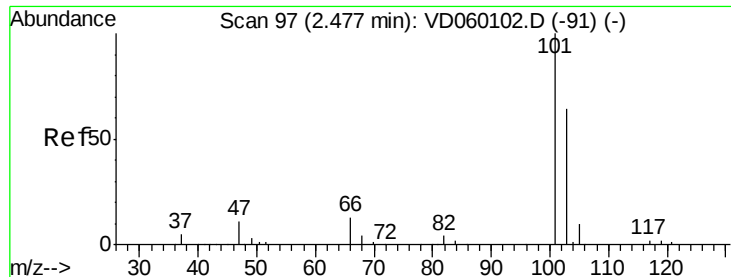
Tgt Ion: 64 Resp: 182924

Ion Ratio Lower Upper

64 100

66 33.5 24.6 37.0





#7

Trichlorofluoromethane
Concen: 50.888 ug/l
RT: 2.48 min Scan# 97
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

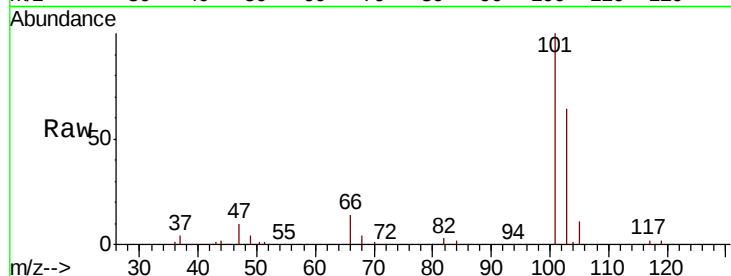
Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion:101 Resp: 688543
Ion Ratio Lower Upper
101 100
103 64.0 51.5 77.3

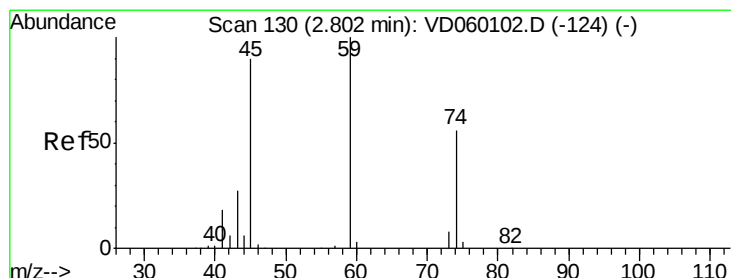
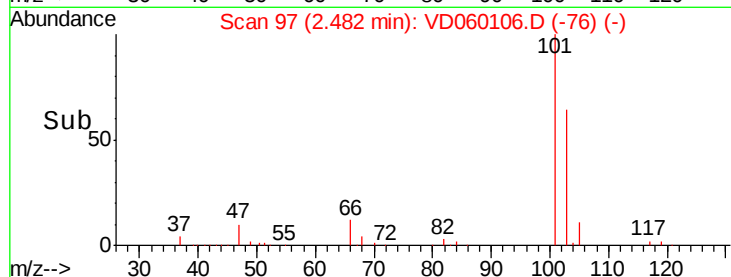
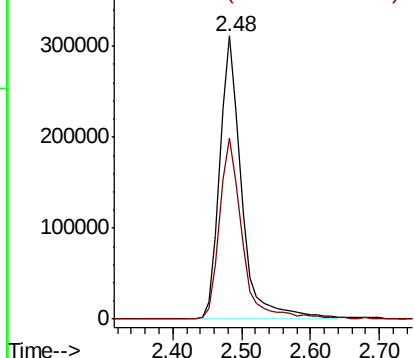
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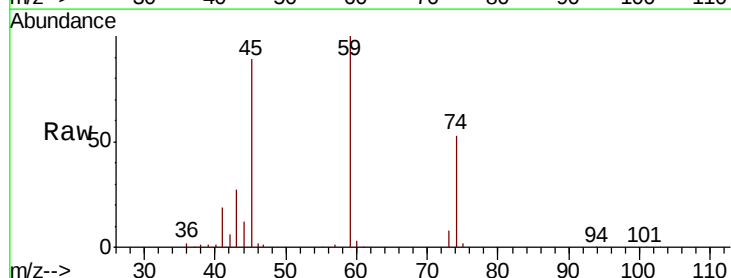
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



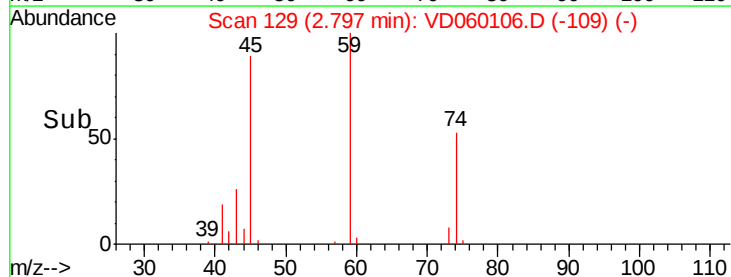
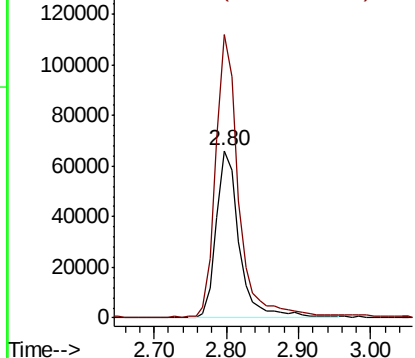
#8

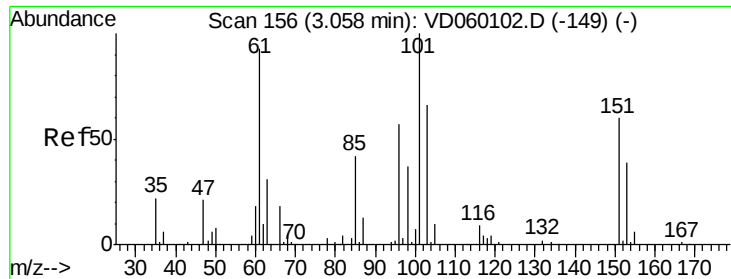
Diethyl Ether
Concen: 52.559 ug/l
RT: 2.80 min Scan# 129
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion: 74 Resp: 146233
Ion Ratio Lower Upper
74 100
45 169.1 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.156 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

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ClientSampleId :

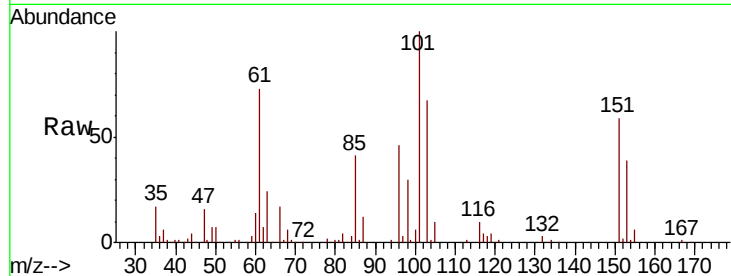
ICVVD100118

Tot Ion:	101	Resp:	439636
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.4	50.0
151	58.8	48.0	72.0

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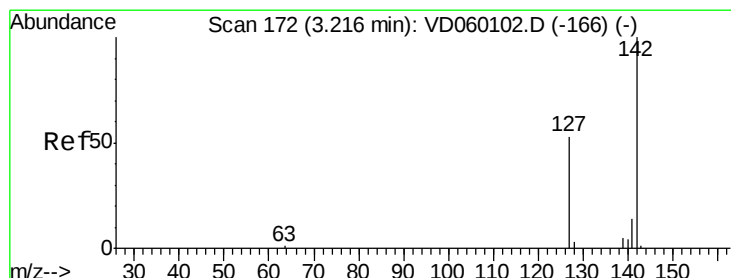
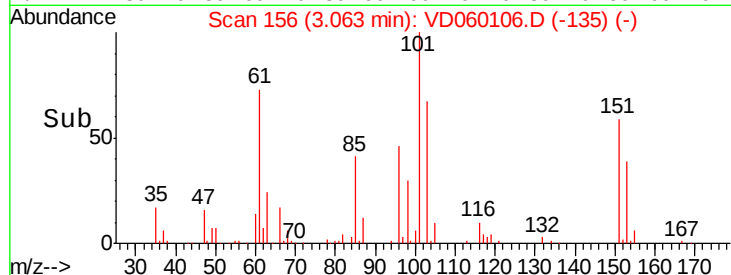
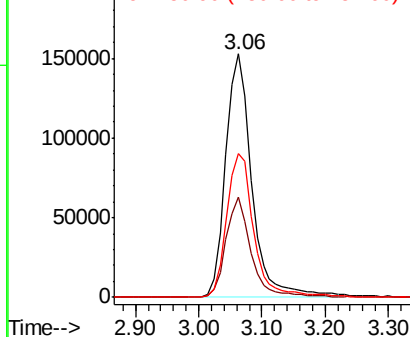


Abundance

Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.187 ug/l

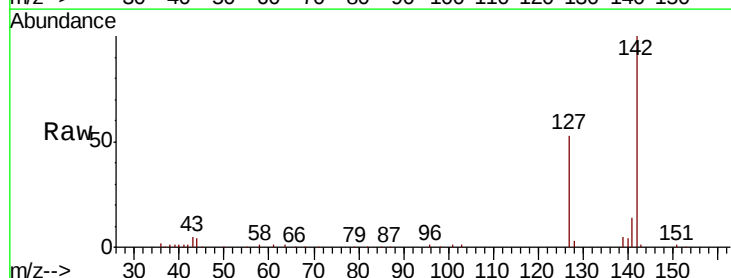
RT: 3.22 min Scan# 172

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Tgt Ion:	142	Resp:	457560
Ion Ratio	Lower	Upper	
142	100		
127	53.2	42.0	63.0
141	14.2	11.4	17.0

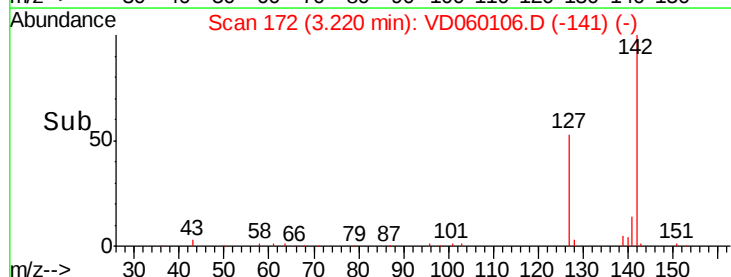
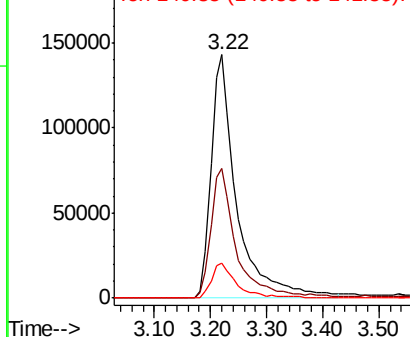


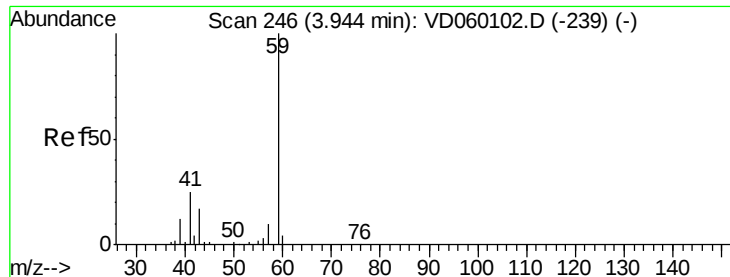
Abundance

Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol
Concen: 256.496 ug/l
RT: 3.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

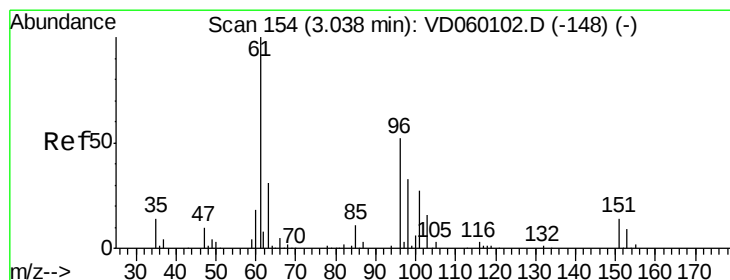
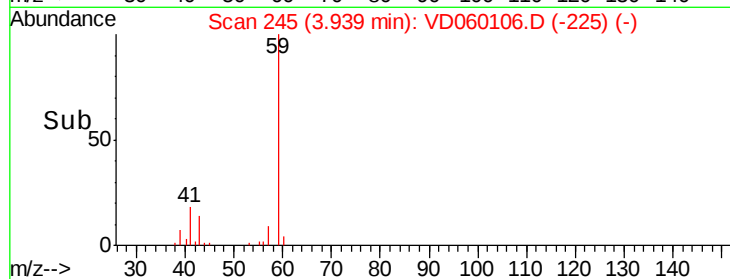
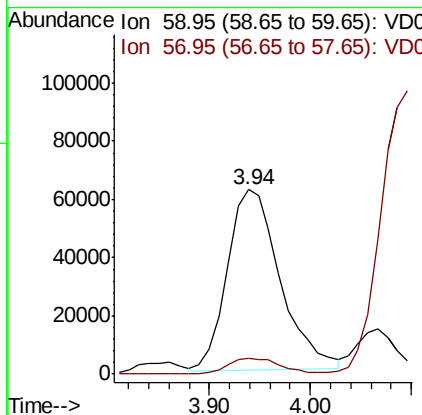
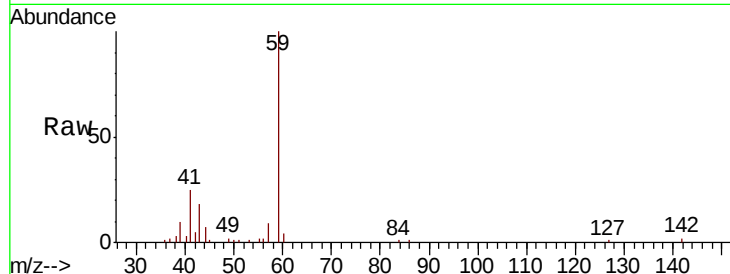
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.5	7.8	11.6

Manual Integrations
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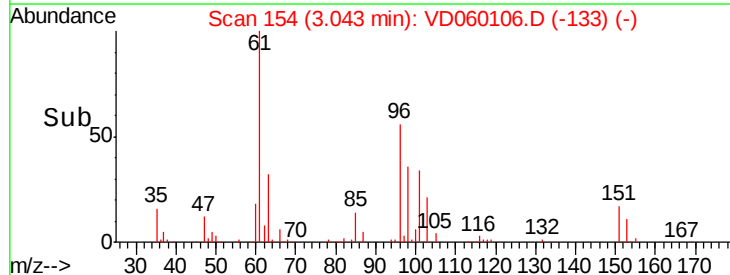
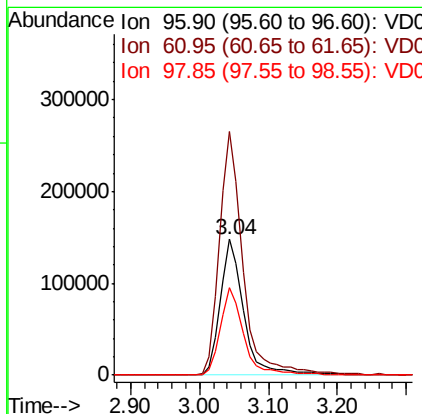
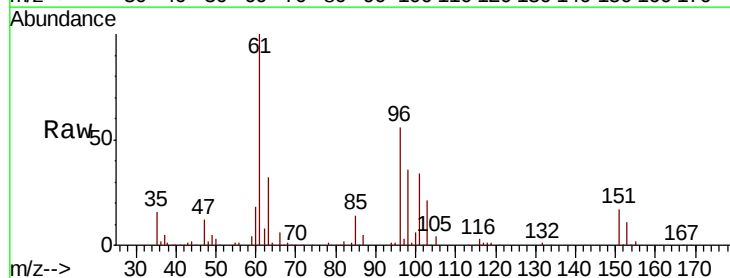
10/2/2018 12:31:31 PM

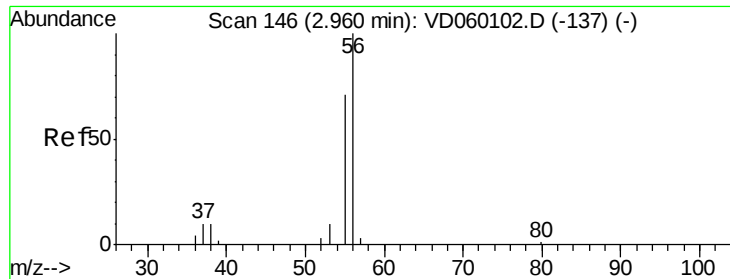


#12

1,1-Dichloroethene
Concen: 52.899 ug/l
RT: 3.04 min Scan# 154
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.0	153.0	229.4
98	64.2	51.1	76.7





#13
Acrolein
Concen: 224.877 ug/l
RT: 2.95 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

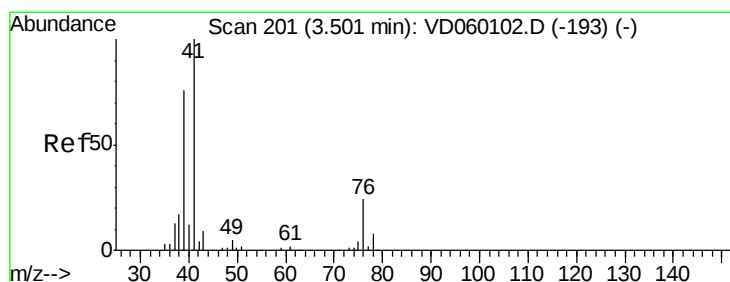
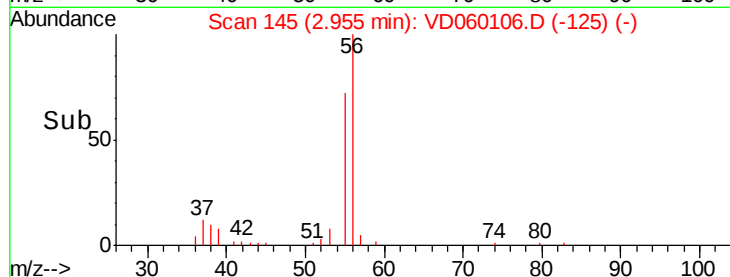
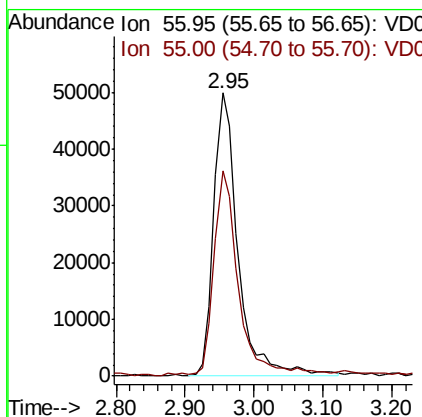
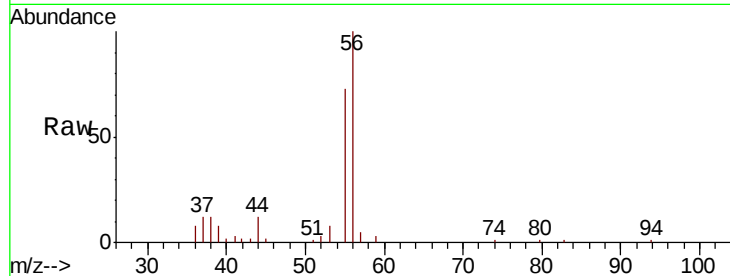
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion	56	55	Ratio	Lower	Upper
122680	100	72.5		57.4	86.2

Manual Integrations
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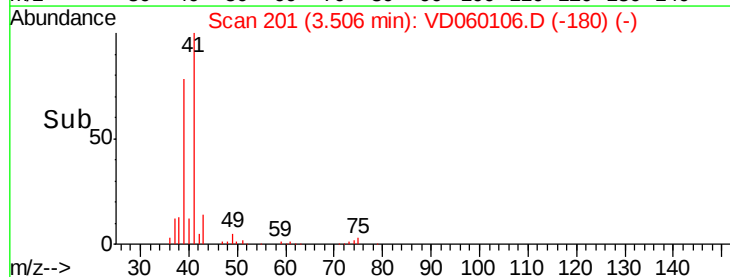
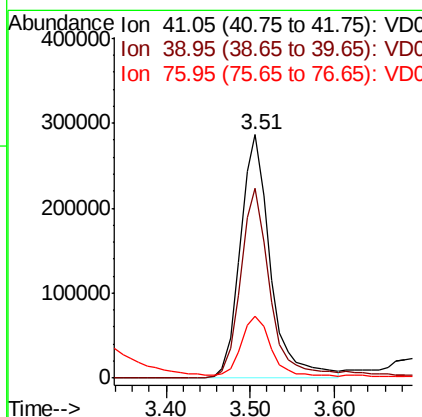
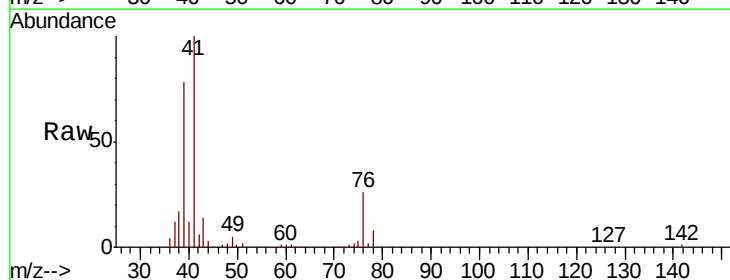
apatel

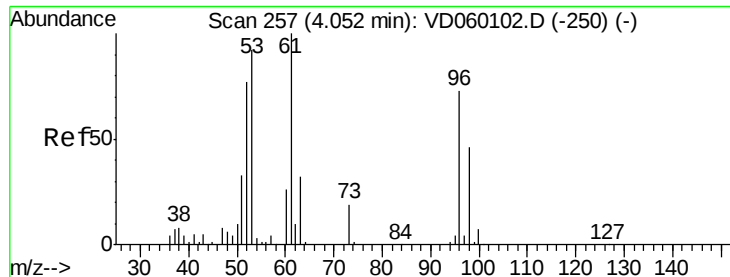
10/2/2018 12:31:31 PM



#14
Allyl chloride
Concen: 51.865 ug/l
RT: 3.51 min Scan# 201
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion	41	39	76	Ratio	Lower	Upper
715314	100	78.1	25.6		60.6	90.8





#15

Acrylonitrile

Concen: 247.917 ug/l

RT: 4.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

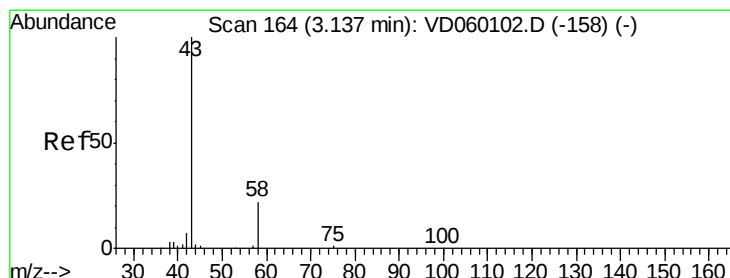
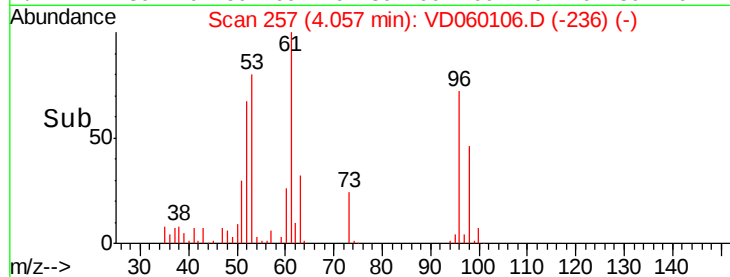
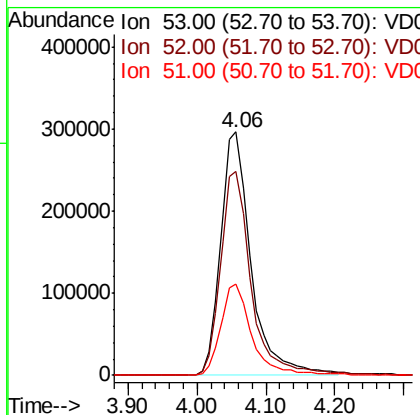
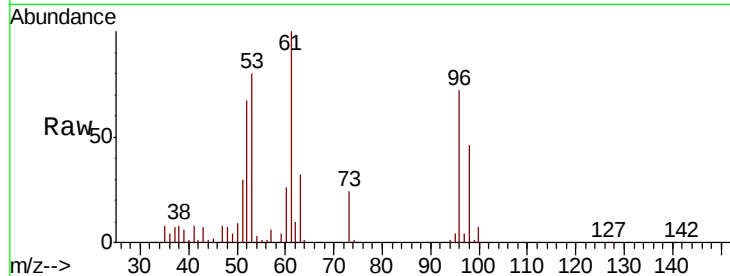
ICVVD100118

Tot Ion:	53	Resp:	908127
Ion Ratio	Lower	Upper	
53	100		
52	83.6	67.5	101.3
51	37.7	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 232.924 ug/l

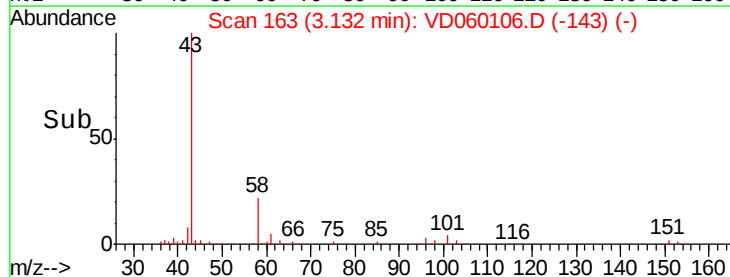
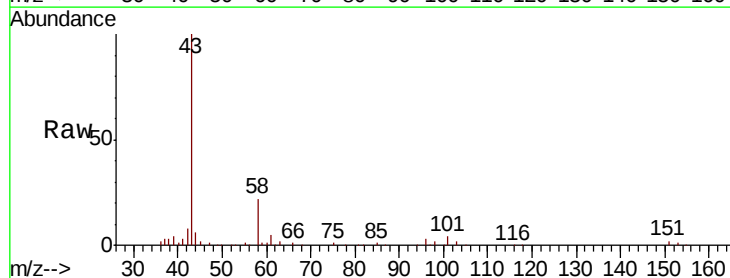
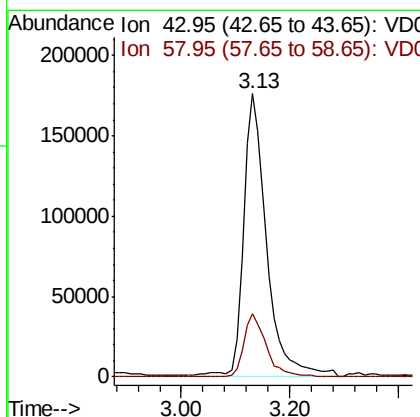
RT: 3.13 min Scan# 163

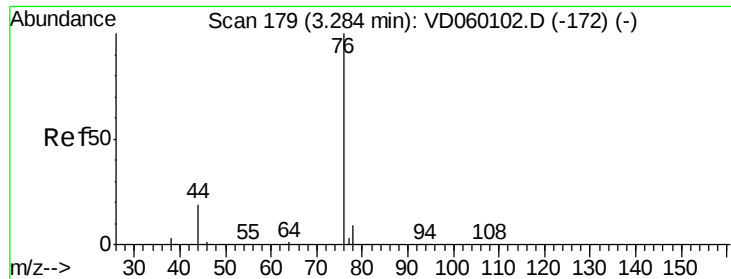
Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Tgt Ion:	43	Resp:	521532
Ion Ratio	Lower	Upper	
43	100		
58	22.2	17.7	26.5





#17
Carbon Disulfide
Concen: 52.296 ug/l
RT: 3.29 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

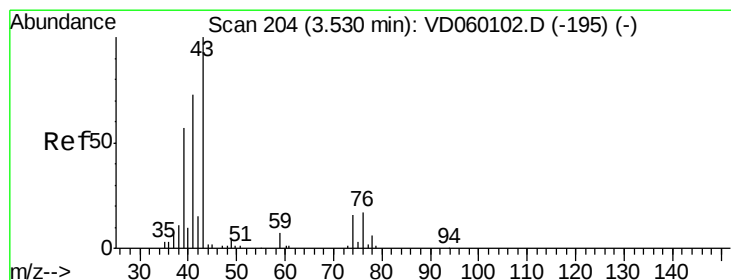
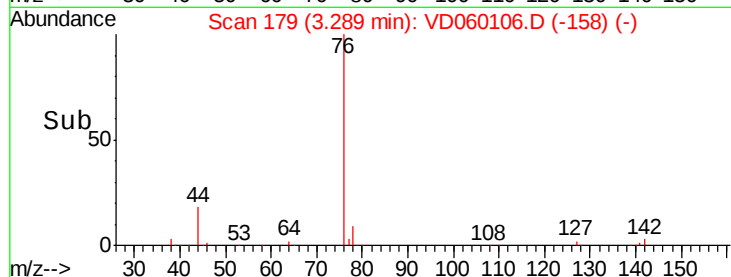
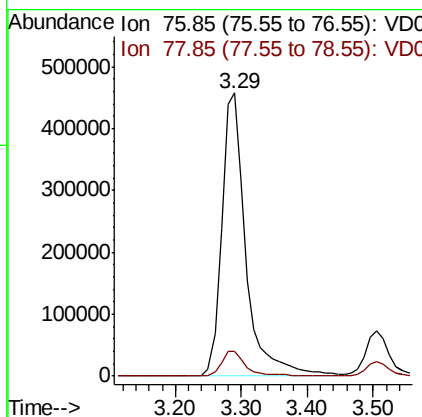
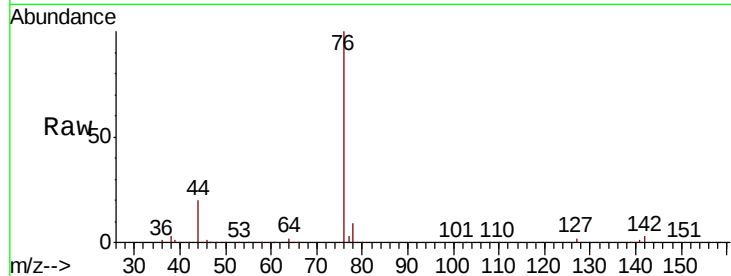
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion: 76 Resp: 1167816
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

Manual Integrations
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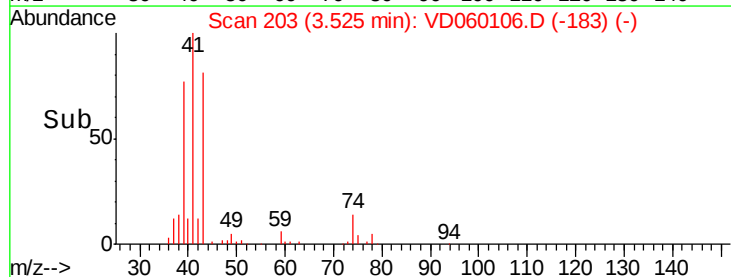
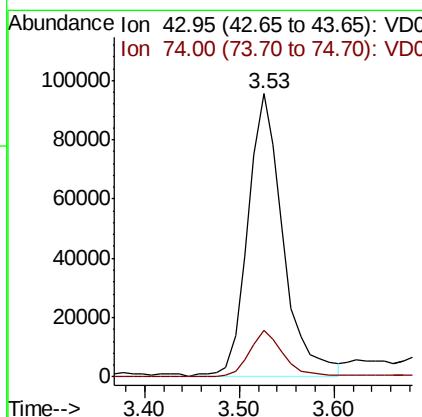
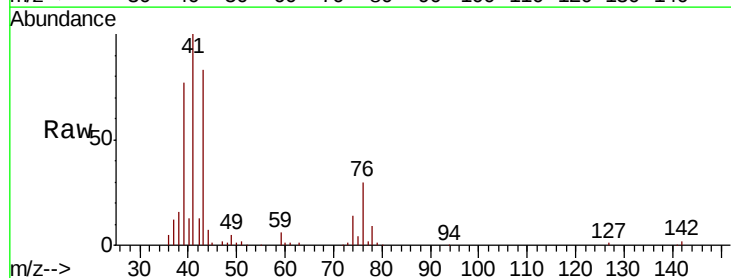
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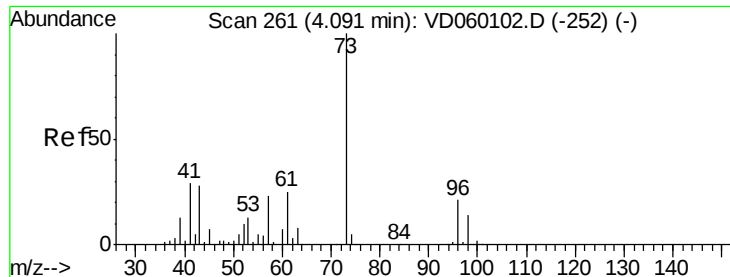
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#18
Methyl Acetate
Concen: 51.471 ug/l
RT: 3.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion: 43 Resp: 247706
Ion Ratio Lower Upper
43 100
74 16.6 12.6 19.0





#19
Methyl tert-butyl Ether
Concen: 50.210 ug/l
RT: 4.10 min Scan# 261
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

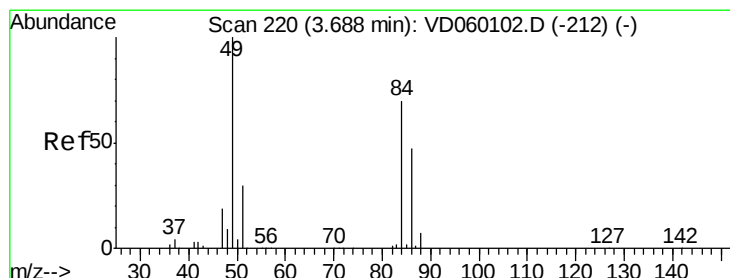
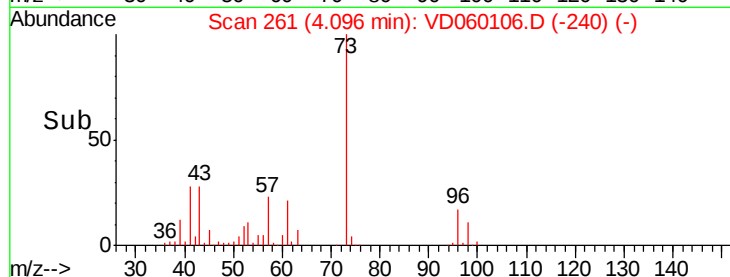
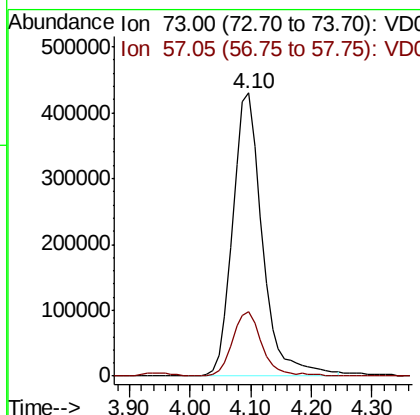
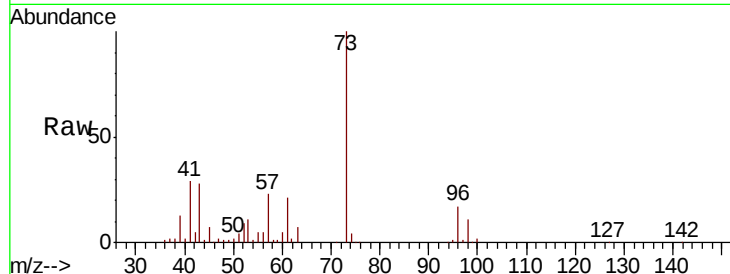
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion: 73 Resp: 1465976
Ion Ratio Lower Upper
73 100
57 22.6 18.7 28.1

Manual Integrations
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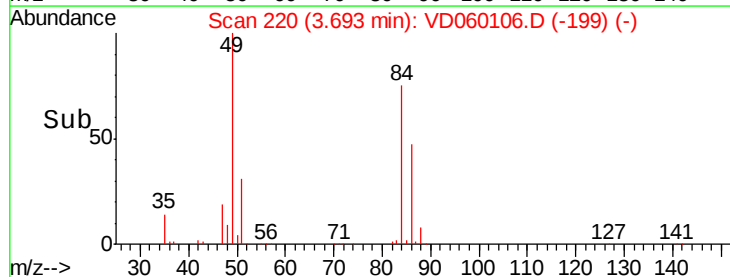
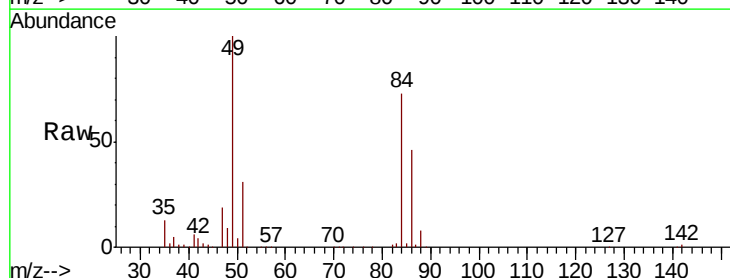
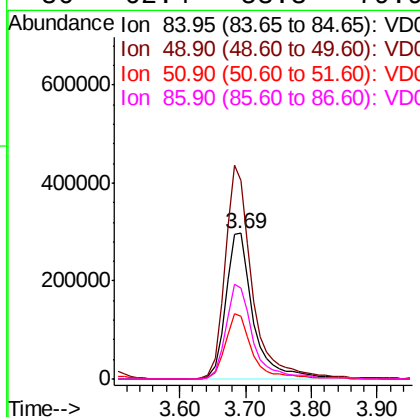
apatel

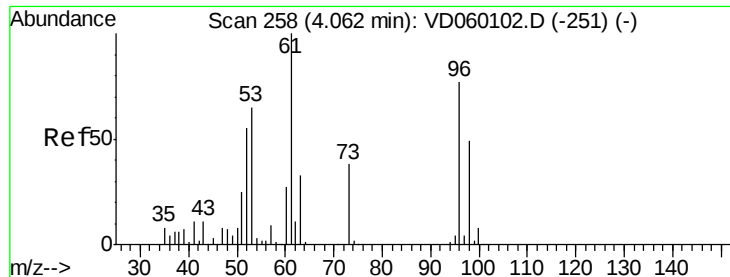
10/2/2018 12:31:31 PM



#20
Methylene Chloride
Concen: 49.307 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion: 84 Resp: 870051
Ion Ratio Lower Upper
84 100
49 136.1 114.6 172.0
51 42.7 33.8 50.8
86 62.4 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 49.439 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion: 96 Resp: 847905

Ion Ratio Lower Upper

96 100

61 128.0 103.3 154.9

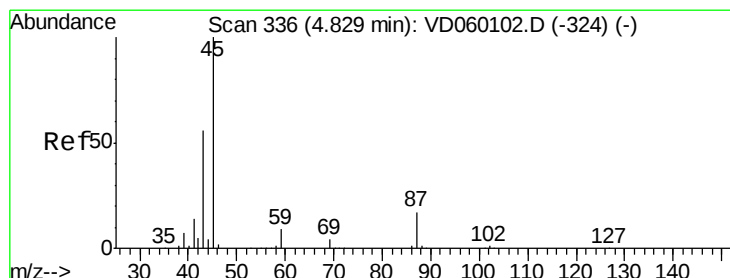
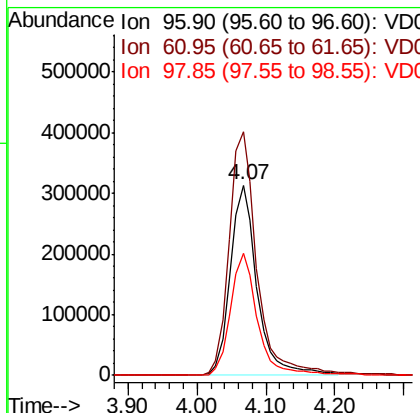
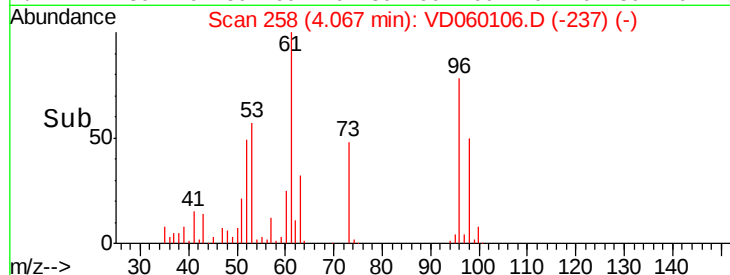
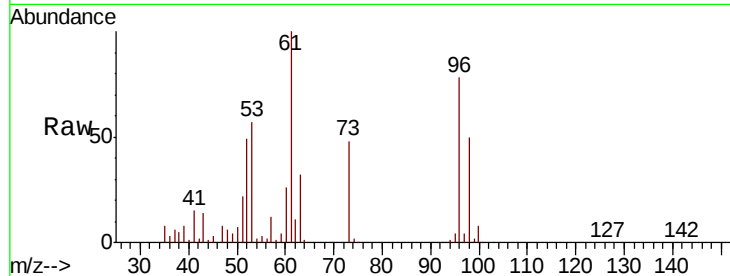
98 64.2 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.887 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Tgt Ion: 45 Resp: 3134320

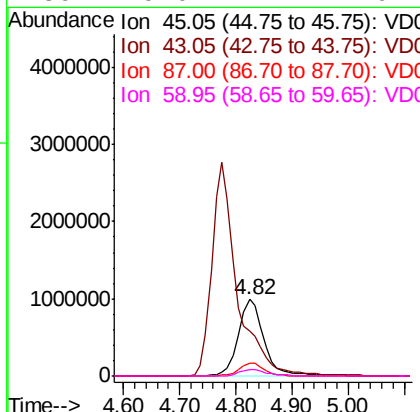
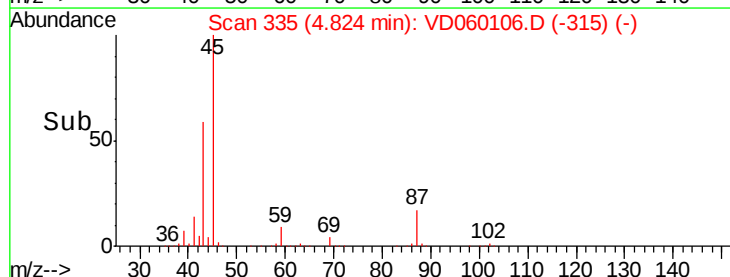
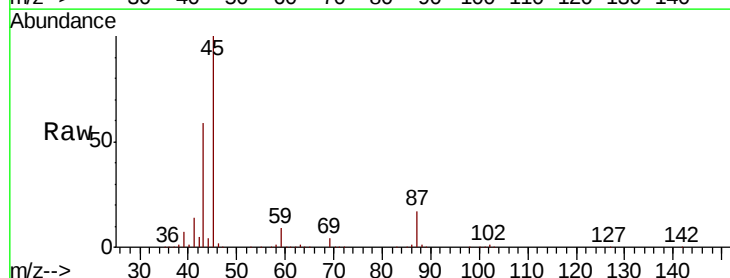
Ion Ratio Lower Upper

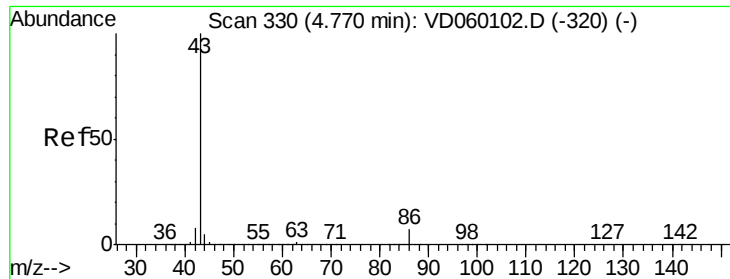
45 100

43 59.1 44.8 67.2

87 17.5 13.9 20.9

59 9.0 7.1 10.7





#23

Vinyl Acetate

Concen: 250.694 ug/l

RT: 4.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion: 43 Resp: 8679526

Ion Ratio Lower Upper

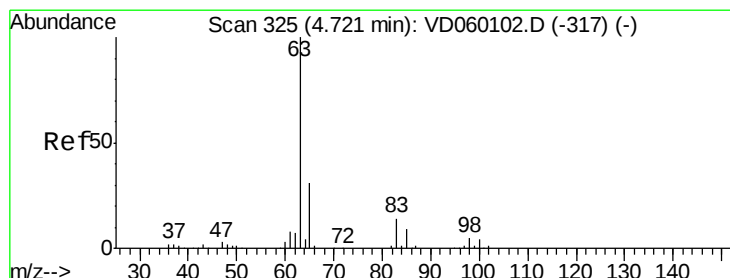
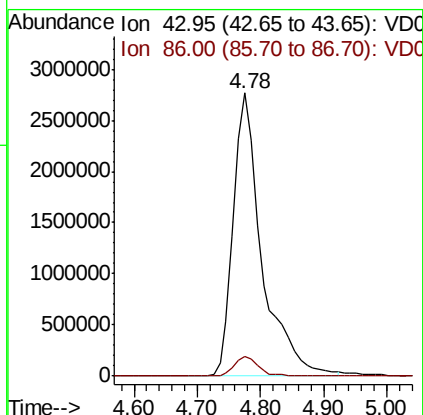
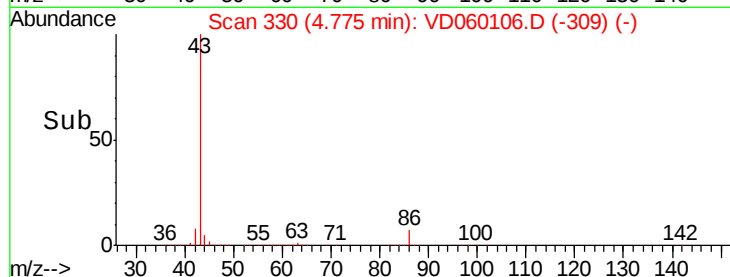
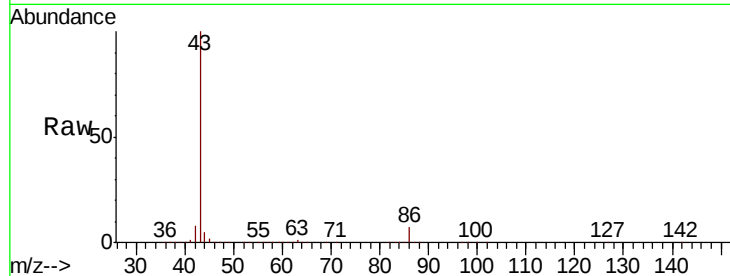
43 100

86 7.1 5.6 8.4

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 50.714 ug/l

RT: 4.73 min Scan# 325

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

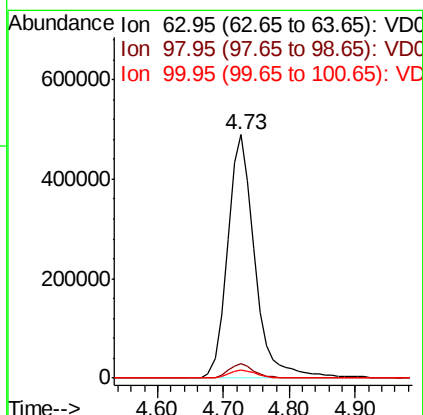
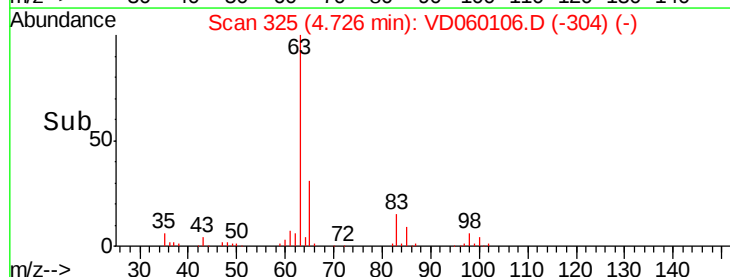
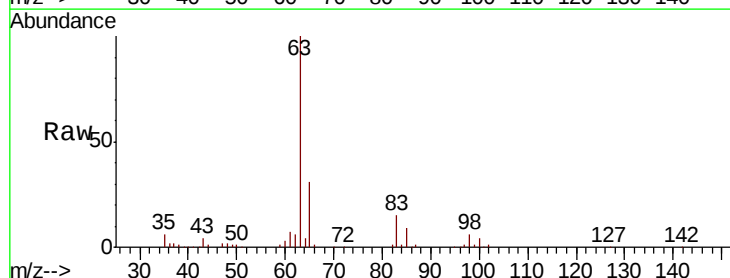
Tgt Ion: 63 Resp: 1416304

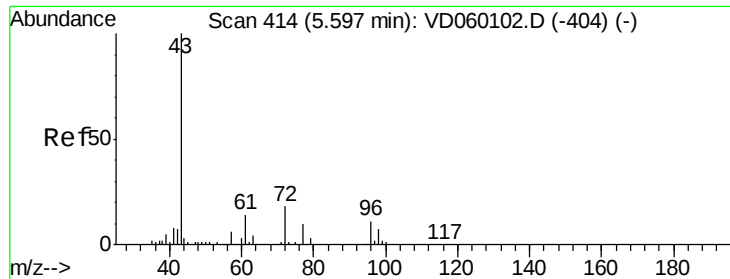
Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 257.228 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion: 43 Resp: 1438866

Ion Ratio Lower Upper

43 100

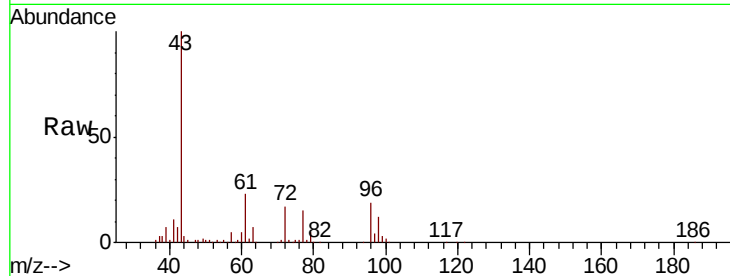
72 17.2 14.5 21.7

Manual Integrations

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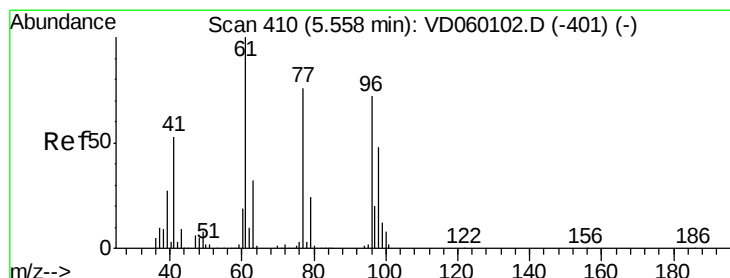
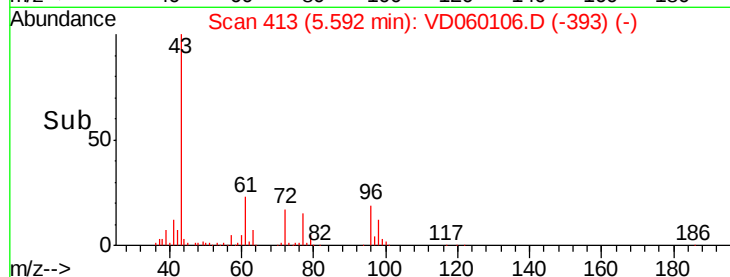
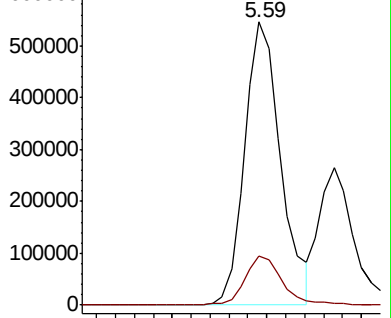
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.810 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060106.D

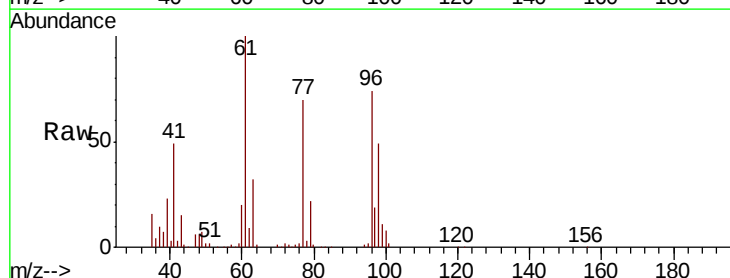
Acq: 1 Oct 2018 20:11

Tgt Ion: 77 Resp: 1054538

Ion Ratio Lower Upper

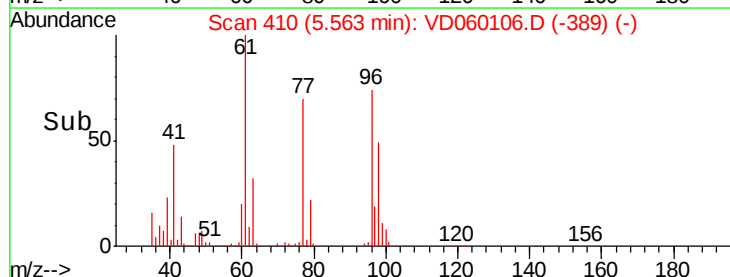
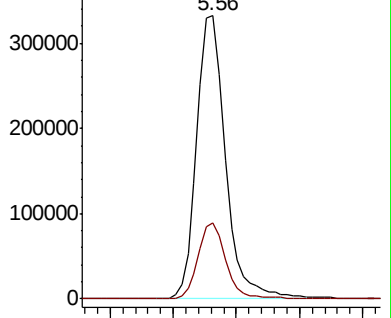
77 100

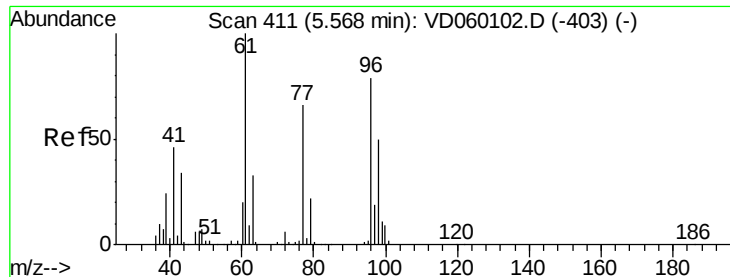
97 26.9 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene
Concen: 51.905 ug/l
RT: 5.56 min Scan# 410
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

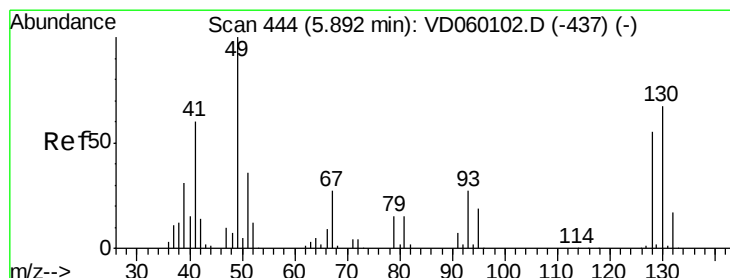
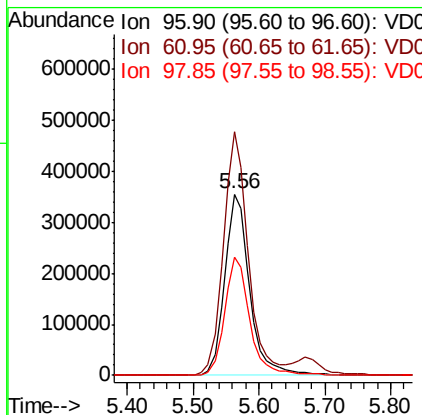
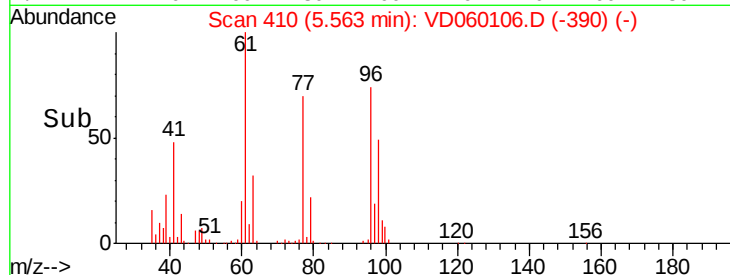
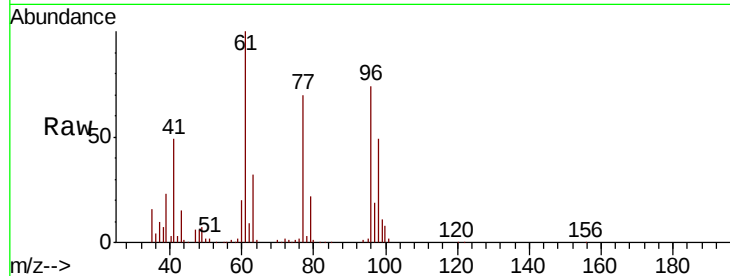
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.6	0.0	251.8	
98	65.5	0.0	125.2	

Manual Integrations
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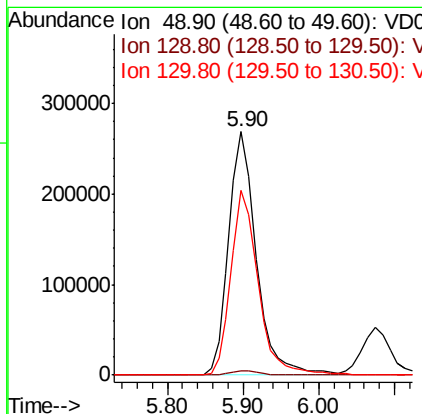
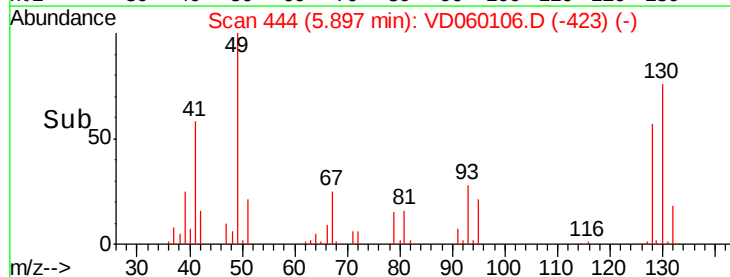
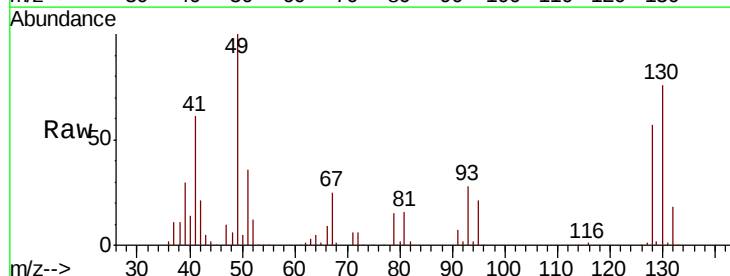
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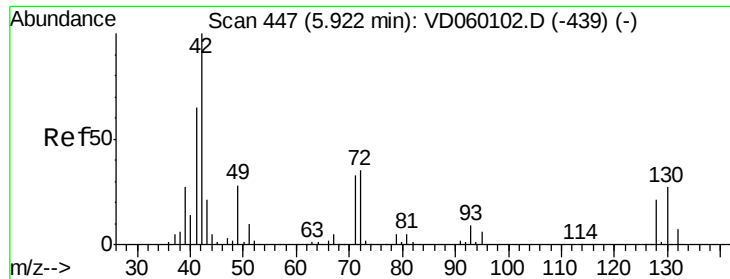


#28

Bromochloromethane
Concen: 50.283 ug/l
RT: 5.90 min Scan# 444
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	75.7	53.9	80.9	





#29
Tetrahydrofuran
Concen: 254.726 ug/l
RT: 5.93 min Scan# 447
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

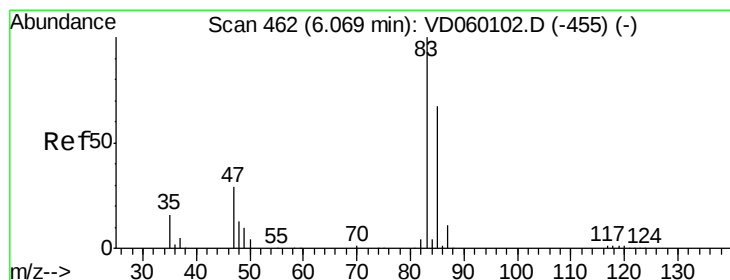
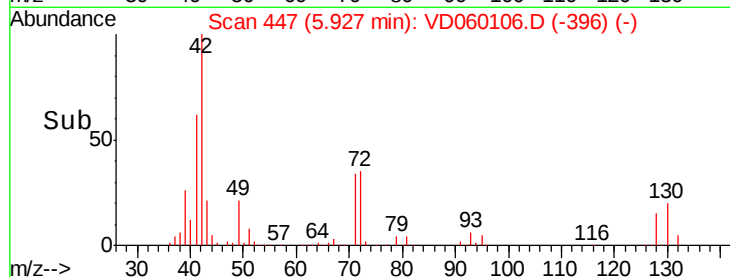
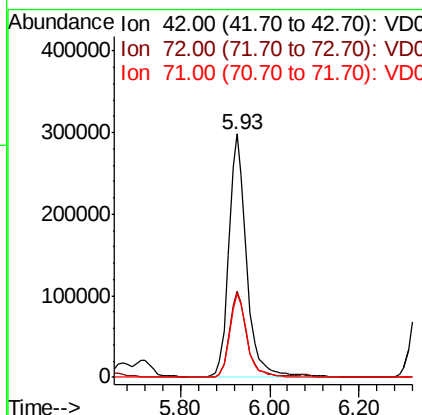
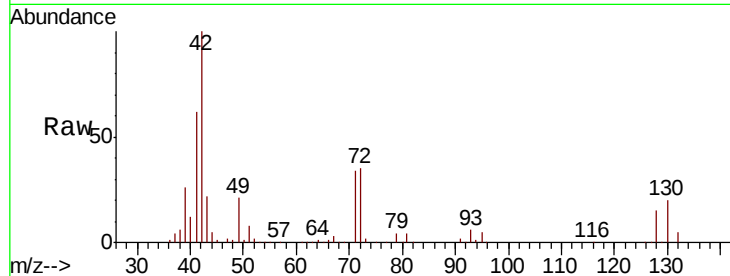
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	26.9	40.3
71	33.6	26.7	40.1

Manual Integrations
APPROVED

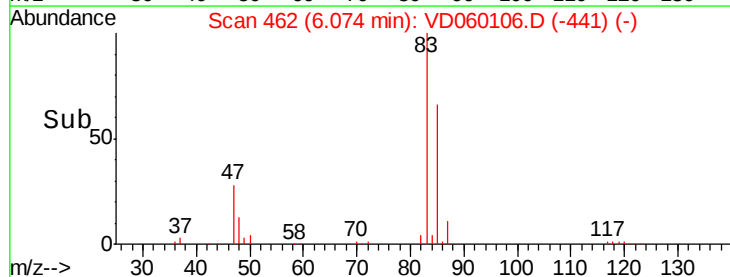
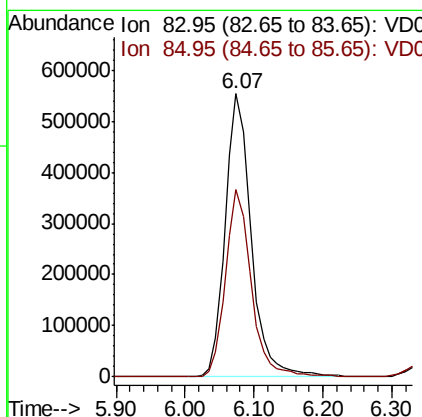
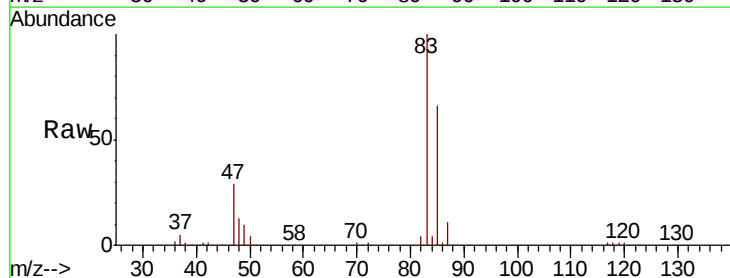
apatel

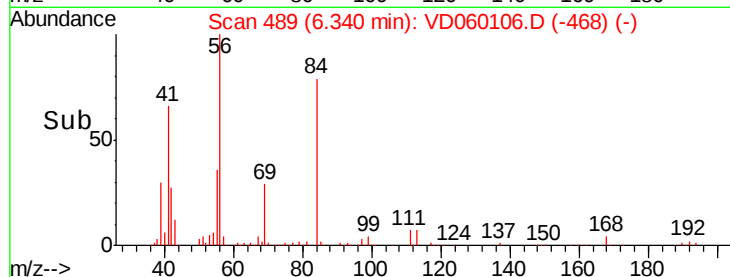
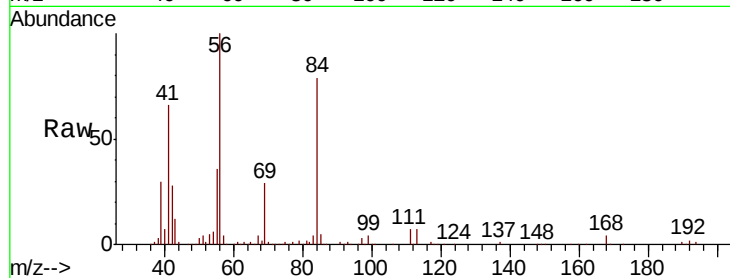
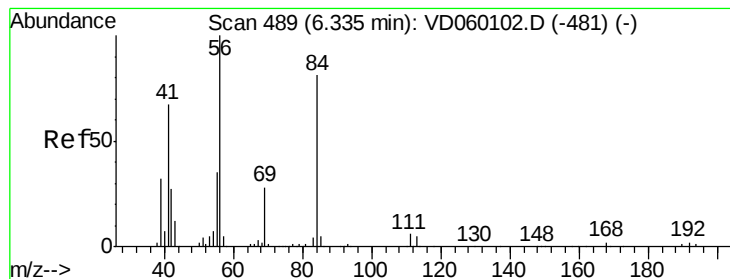
10/2/2018 12:31:31 PM



#30
Chloroform
Concen: 51.394 ug/l
RT: 6.07 min Scan# 462
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.8	80.8





#31

Cyclohexane

Concen: 49.003 ug/l

RT: 6.34 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Tot Ion: 56 Resp: 1310014

Ion Ratio Lower Upper

56 100

69 28.6 22.8 34.2

84 79.2 64.9 97.3

Instrument :

MSVOA_D

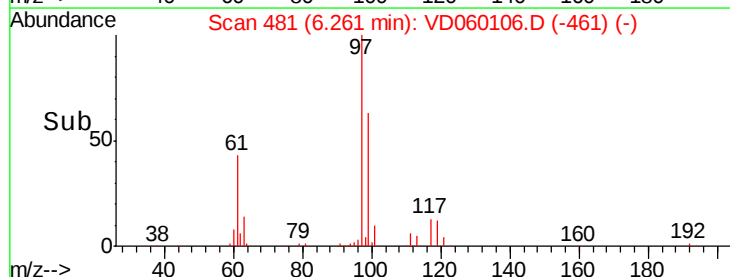
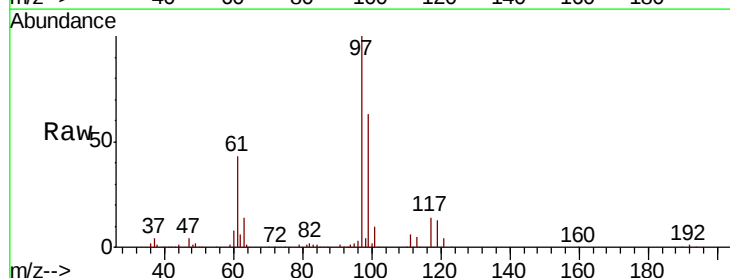
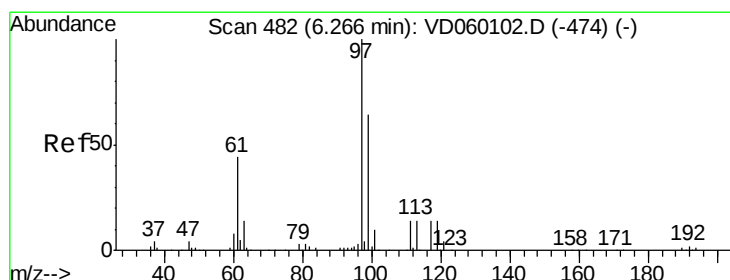
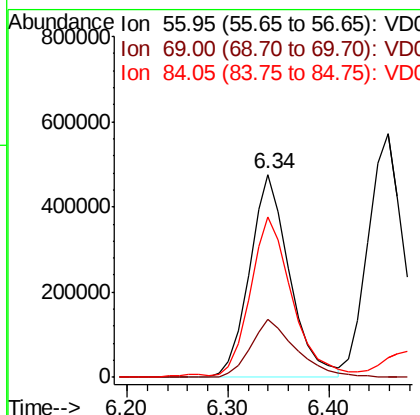
ClientSampleId :

ICVVD100118

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.926 ug/l

RT: 6.26 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

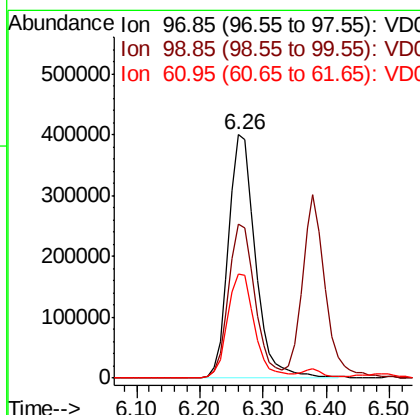
Tgt Ion: 97 Resp: 1178639

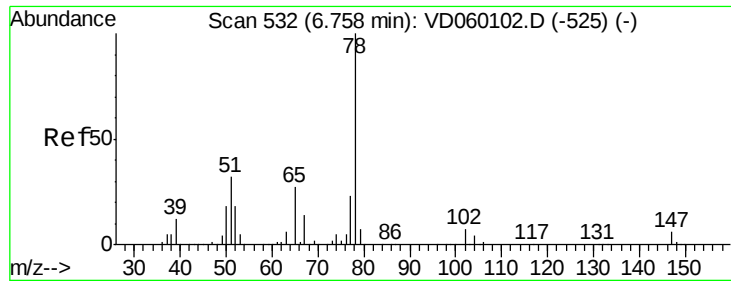
Ion Ratio Lower Upper

97 100

99 63.4 51.4 77.0

61 42.9 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 50.926 ug/l

RT: 6.76 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Tot Ion: 65 Resp: 632572

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.2

Instrument :

MSVOA_D

ClientSampleId :

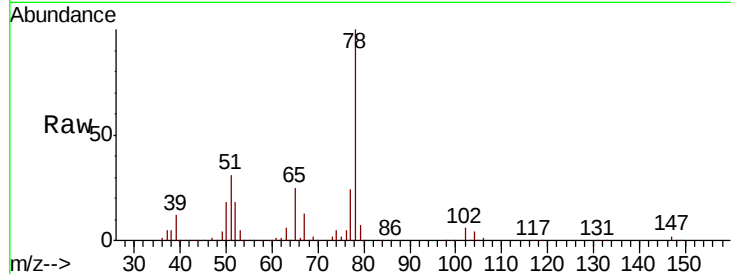
ICVVD100118

Manual Integrations

APPROVED

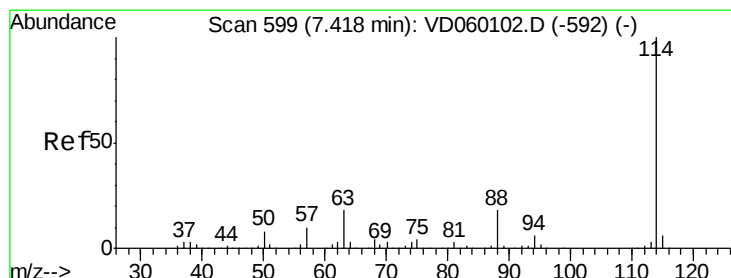
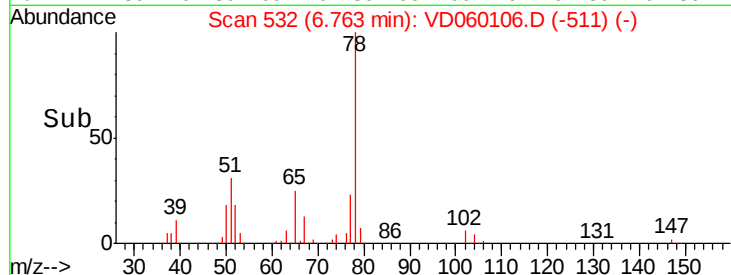
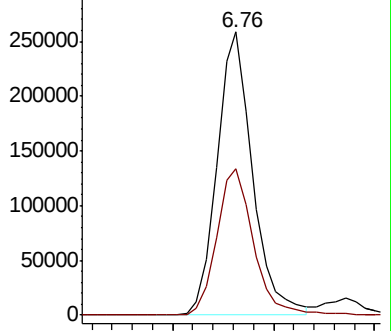
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

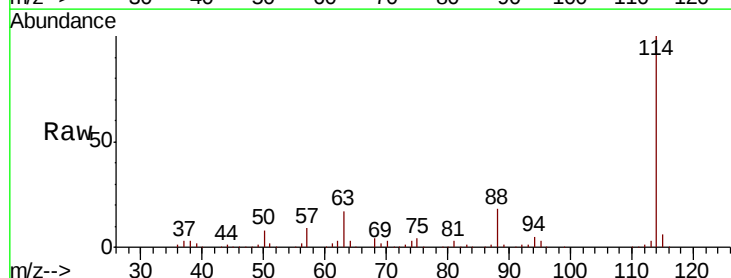
Tgt Ion: 114 Resp: 2215447

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.0

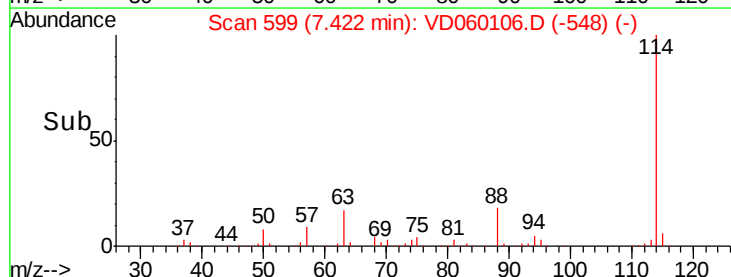
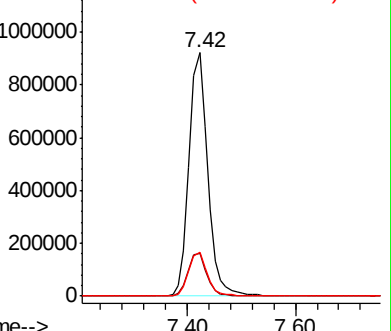
88 17.9 0.0 36.2

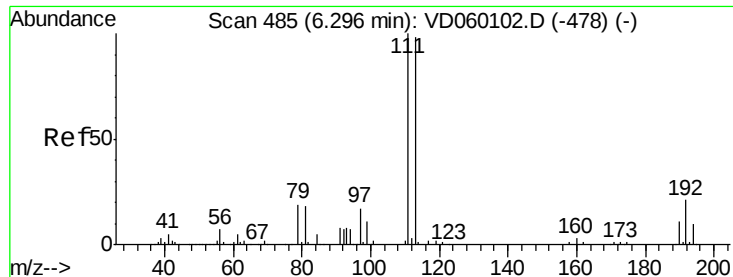


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

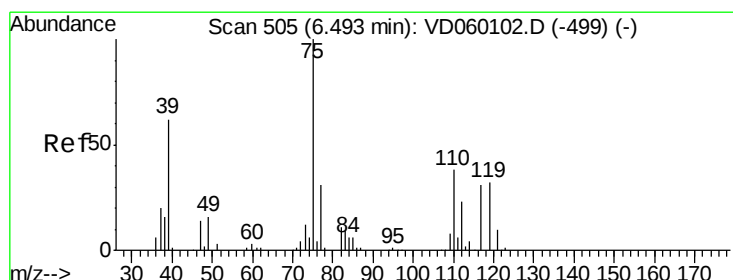
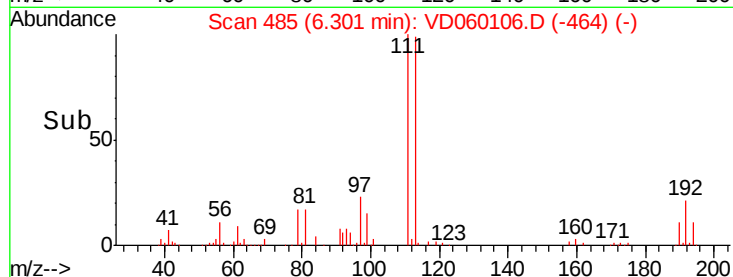
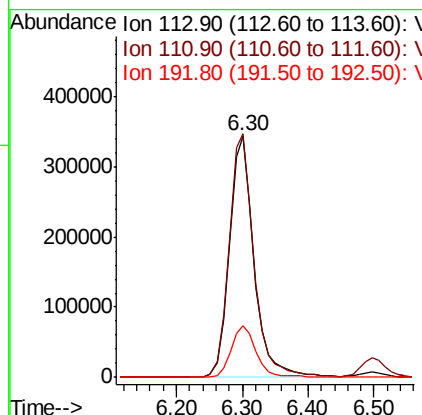
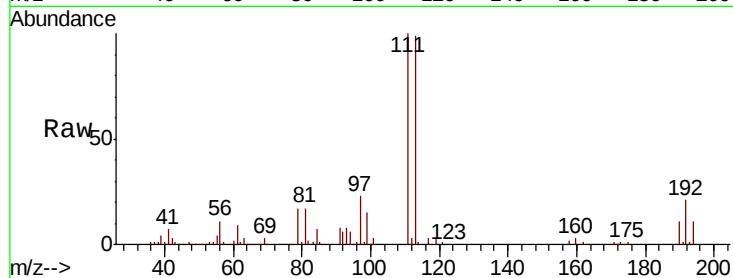
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100118

Tot Ion	Ratio	Resp	Lower	Upper
113	100	897191		
111	100.8	81.5	122.3	
192	21.5	17.4	26.0	

Manual Integrations
 APPROVED

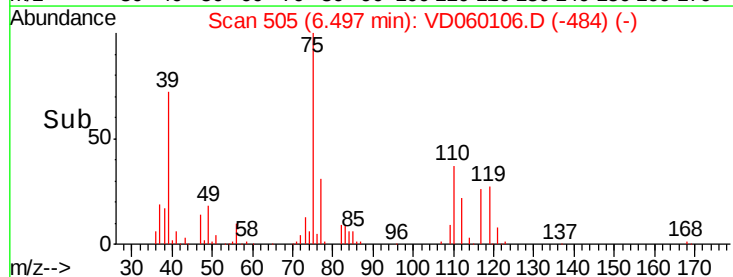
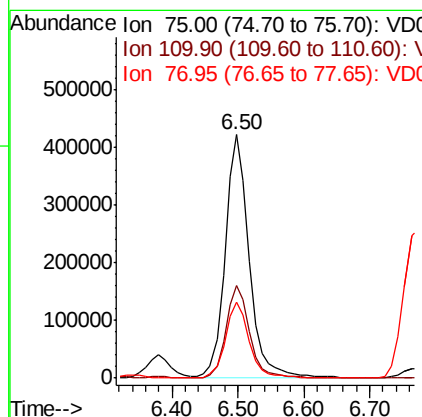
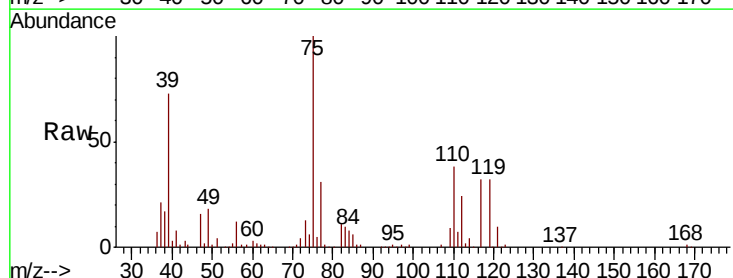
apatel

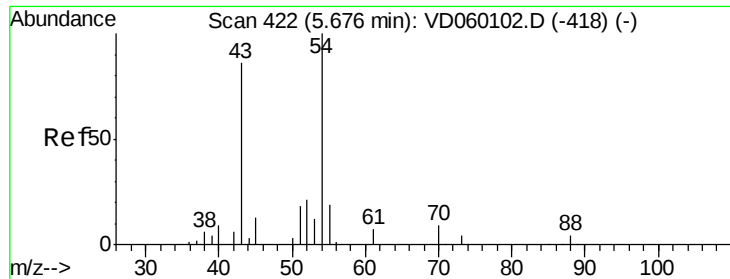
10/2/2018 12:31:31 PM



#36
 1,1-Dichloropropene
 Concen: 49.977 ug/l
 RT: 6.50 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1058033		
110	38.2	19.0	57.0	
77	31.4	24.9	37.3	





#37
Ethyl Acetate
Concen: 49.235 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

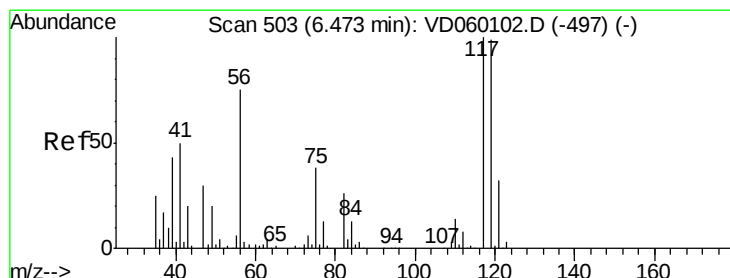
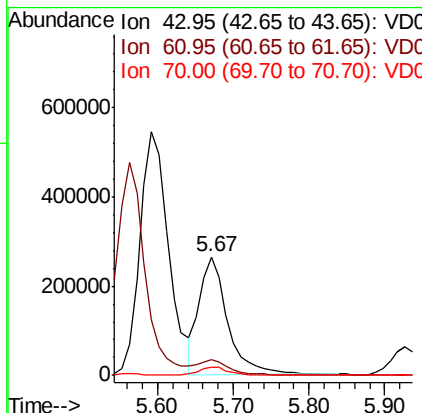
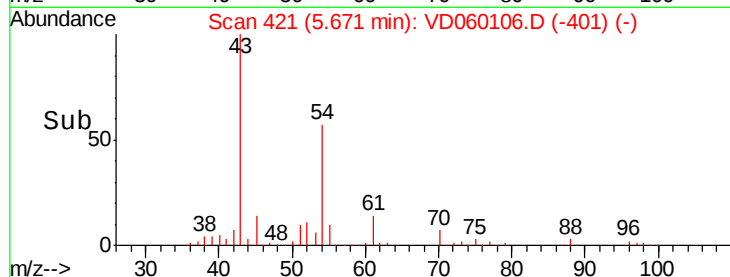
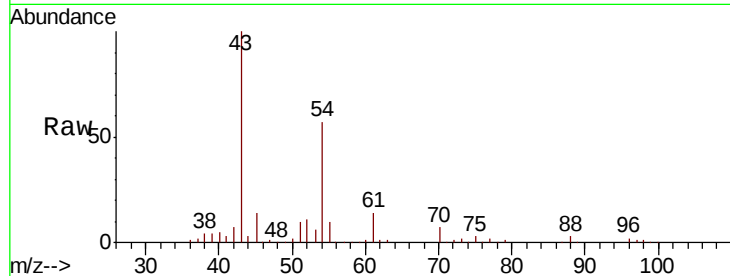
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	7.3	6.3	9.5

Manual Integrations
APPROVED

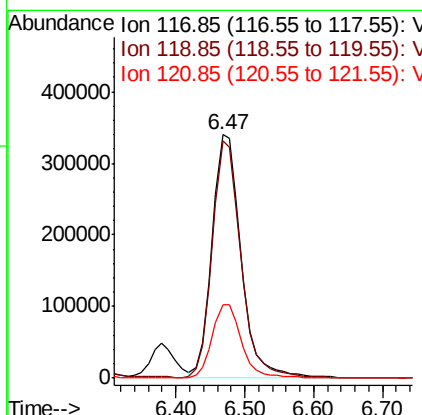
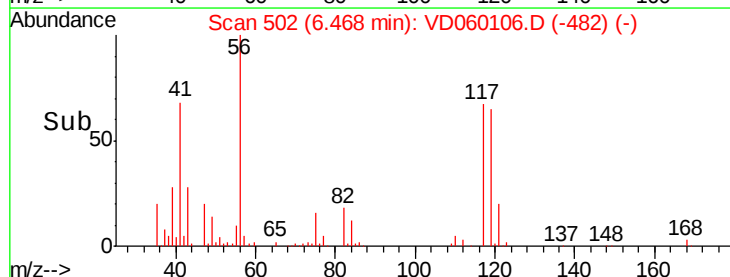
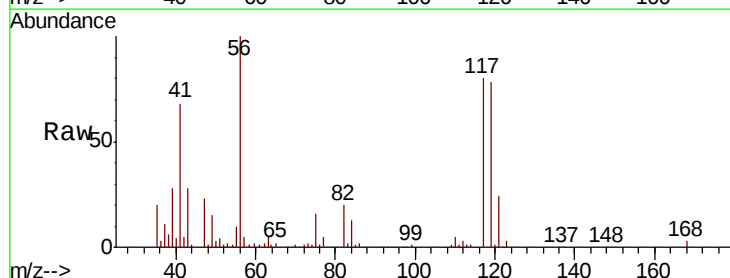
apatel

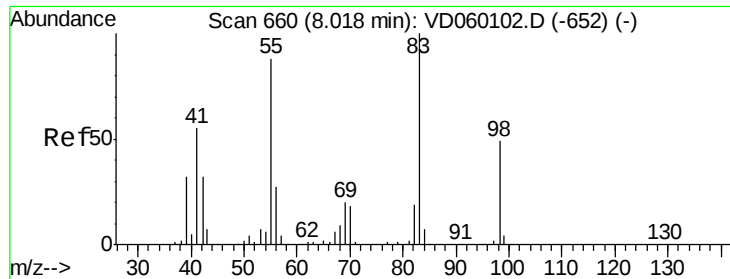
10/2/2018 12:31:31 PM



#38
Carbon Tetrachloride
Concen: 51.120 ug/l
RT: 6.47 min Scan# 502
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.6
121	30.1	24.8	37.2





#39
Methvlcvclohexane
Concen: 51.962 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

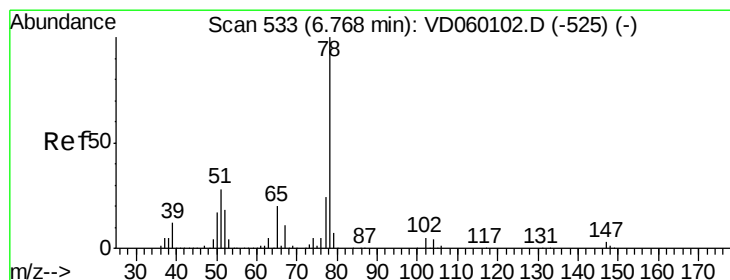
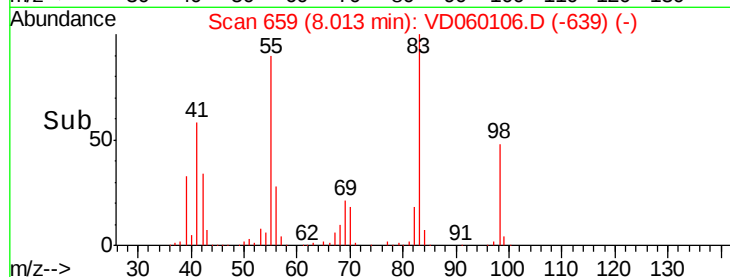
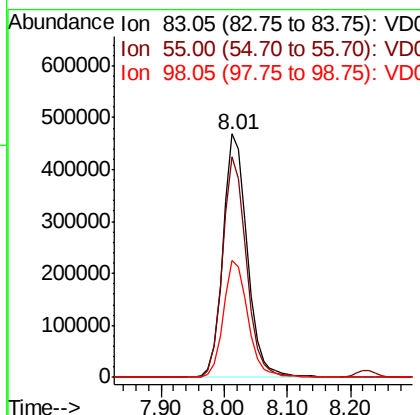
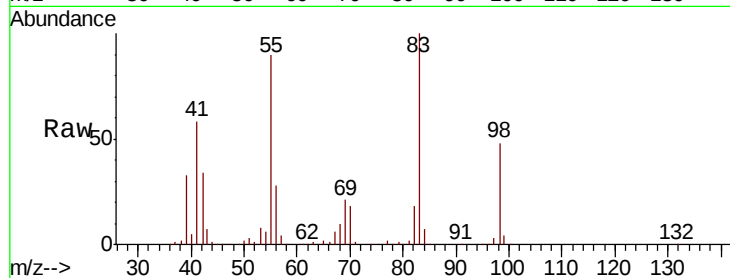
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion: 83 Resp: 1249910
Ion Ratio Lower Upper
83 100
55 90.4 70.5 105.7
98 48.1 39.4 59.2

Manual Integrations
APPROVED

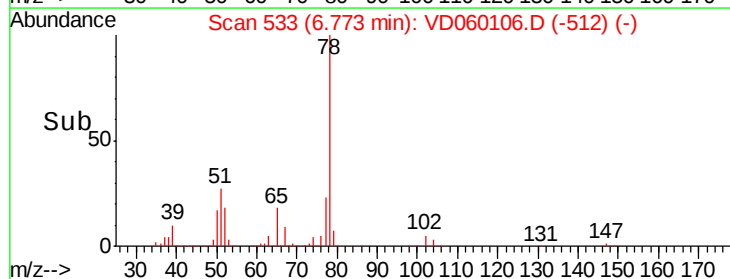
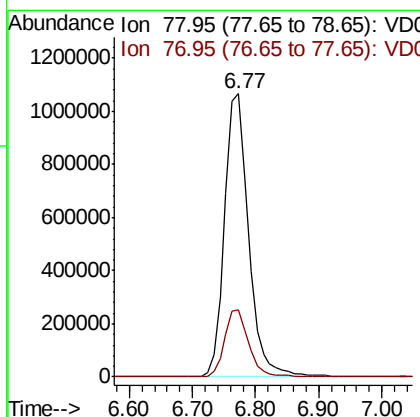
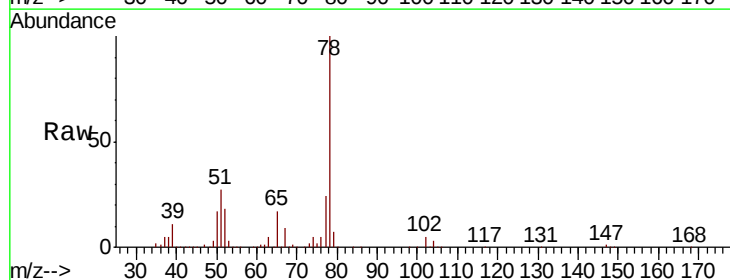
apatel

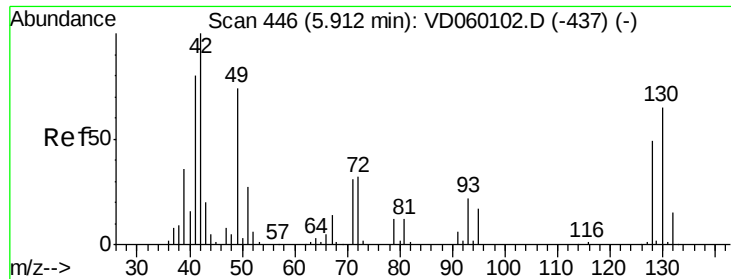
10/2/2018 12:31:31 PM



#40
Benzene
Concen: 51.117 ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion: 78 Resp: 2831146
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 49.371 ug/l m

RT: 5.91 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Tot Ion: 41 Resp: 392137

Ion Ratio Lower Upper

41 100

39 46.2 36.0 54.0

67 25.4 13.9 20.9#

52 12.2 6.1 9.1#

Instrument :

MSVOA_D

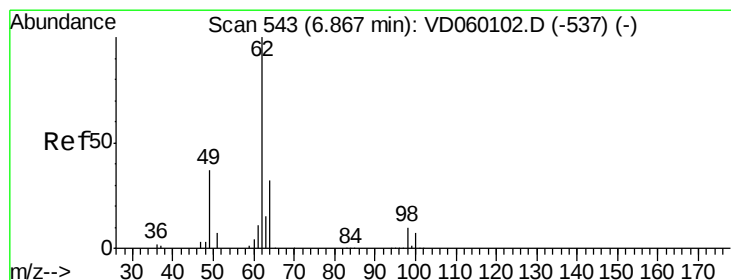
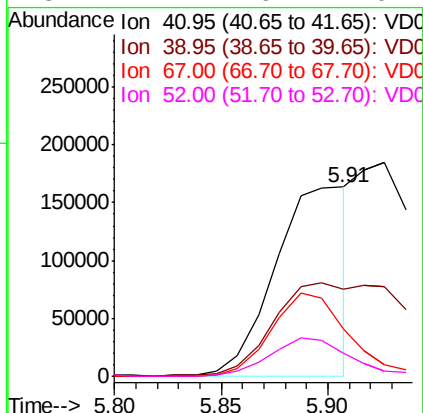
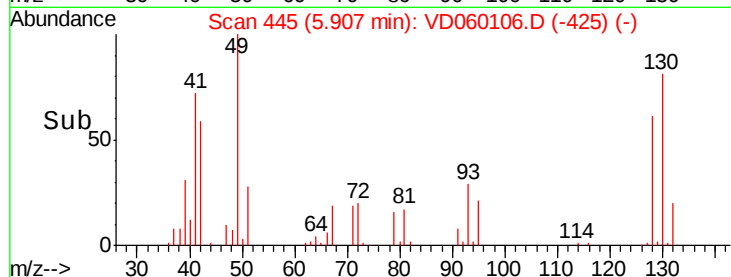
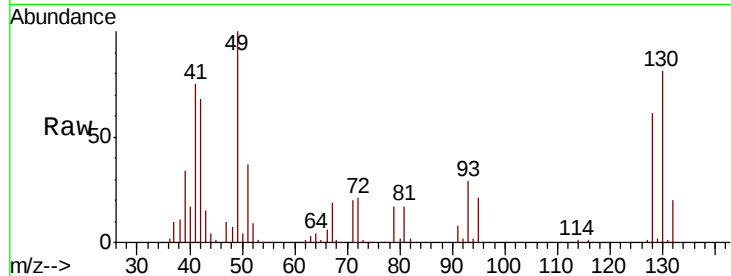
ClientSampleId :

ICVVD100118

Manual Integrations
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apatel

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#42

1,2-Dichloroethane

Concen: 51.234 ug/l

RT: 6.87 min Scan# 543

Delta R.T. 0.00 min

Lab File: VD060106.D

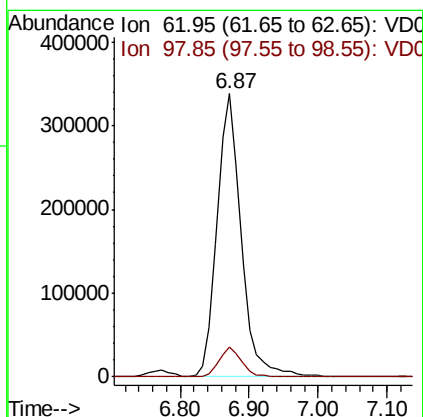
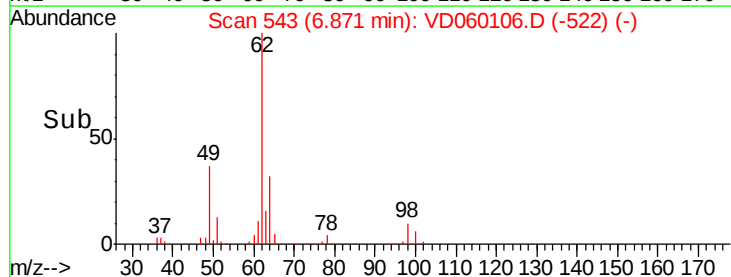
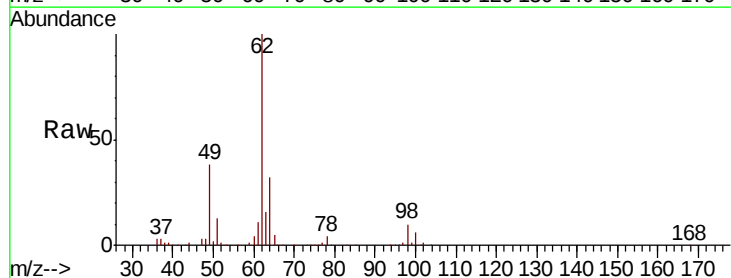
Acq: 1 Oct 2018 20:11

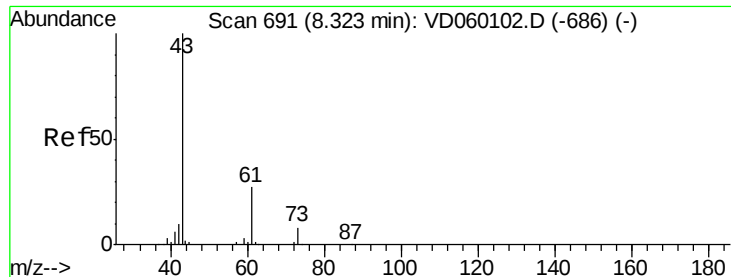
Tgt Ion: 62 Resp: 813539

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.6





#43

Isopropyl Acetate
 Concen: 50.867 ug/l
 RT: 8.33 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

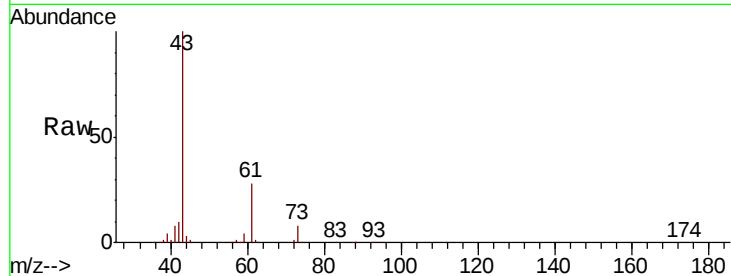
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100118

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	21.4	32.2
87	0.2	0.2	0.2

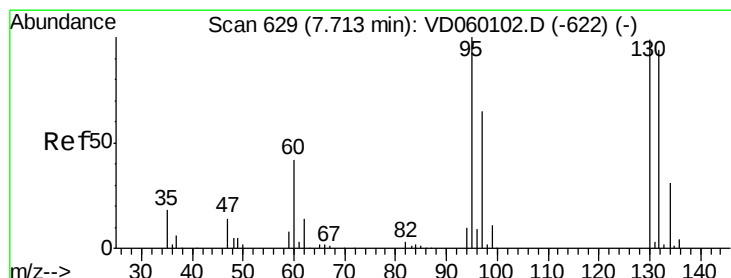
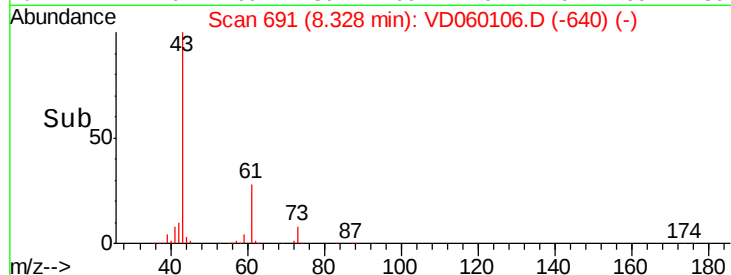
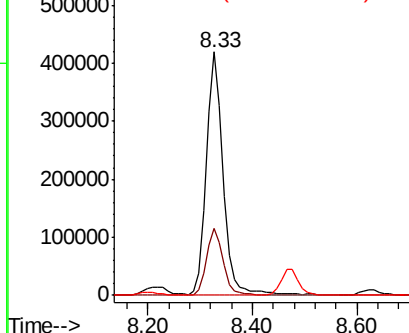
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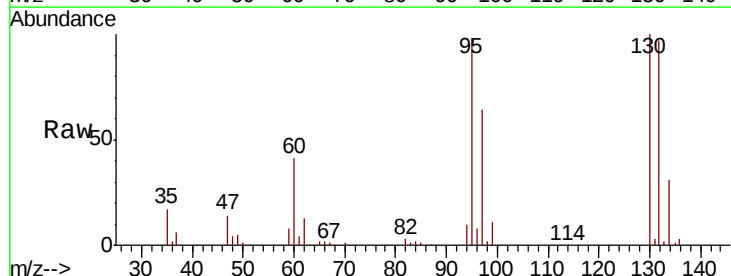
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



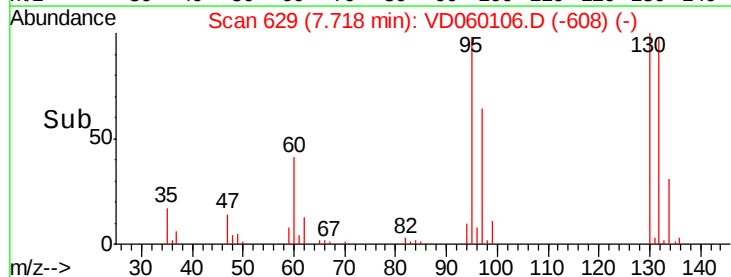
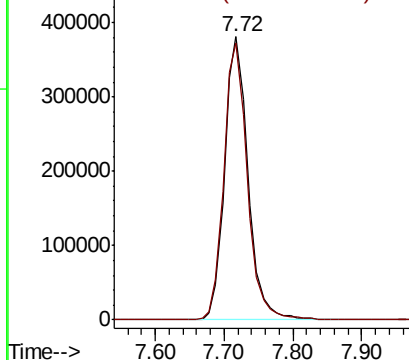
#44

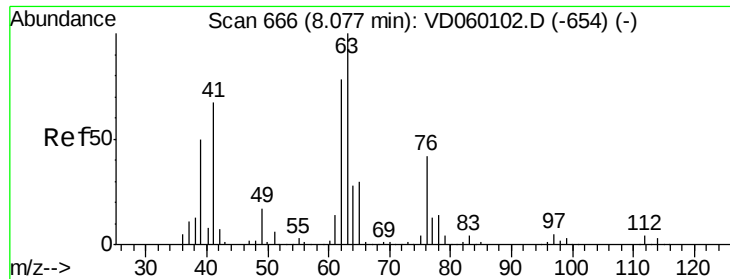
Trichloroethene
 Concen: 52.052 ug/l
 RT: 7.72 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.829 ug/l

RT: 8.08 min Scan# 666

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion: 63 Resp: 766145

Ion Ratio Lower Upper

63 100

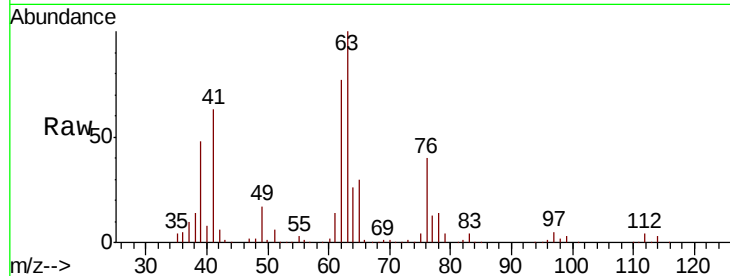
65 30.0 24.1 36.1

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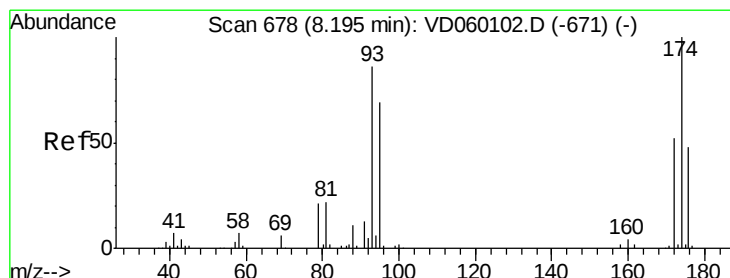
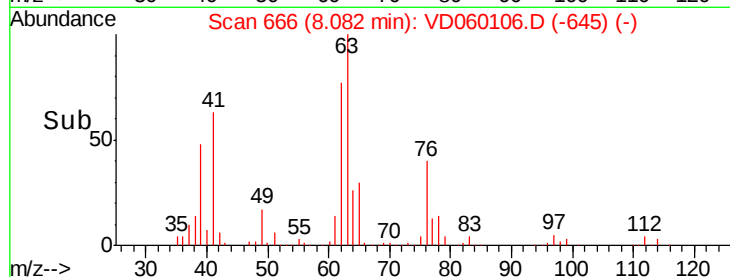
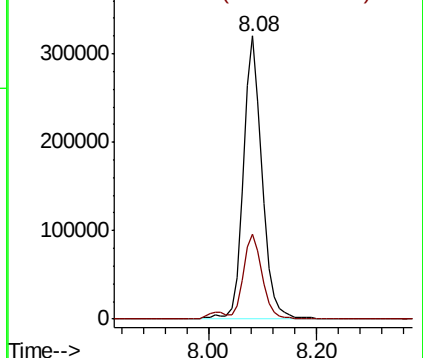
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.039 ug/l

RT: 8.19 min Scan# 677

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

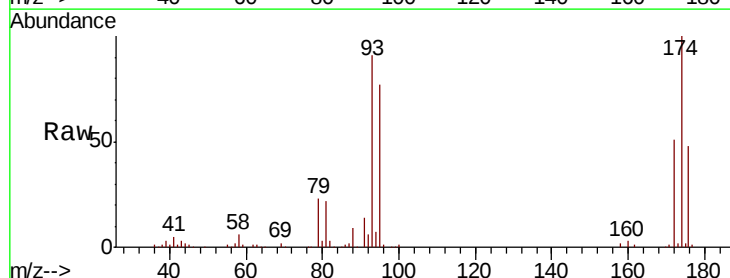
Tgt Ion: 93 Resp: 488597

Ion Ratio Lower Upper

93 100

95 84.1 63.8 95.6

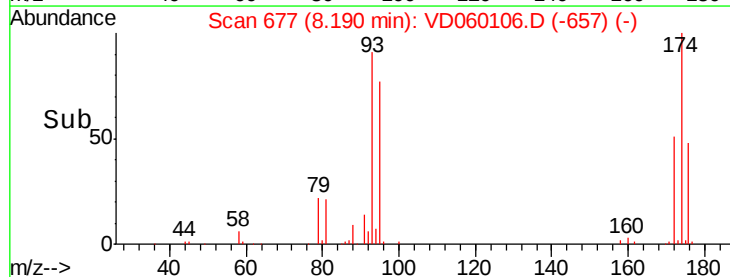
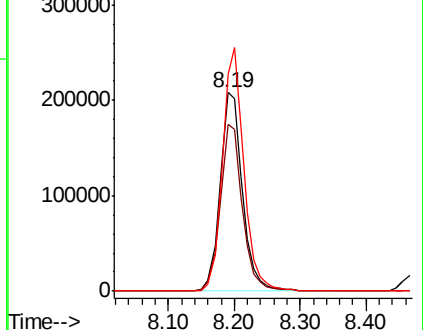
174 109.5 92.9 139.3

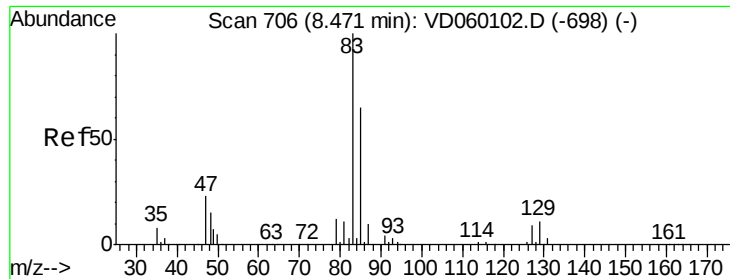


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 51.700 ug/l

RT: 8.48 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Tot Ion: 83 Resp: 1034273

Ion Ratio Lower Upper

83 100

85 65.7 52.2 78.2

127 8.8 7.4 11.0

Instrument :

MSVOA_D

ClientSampleId :

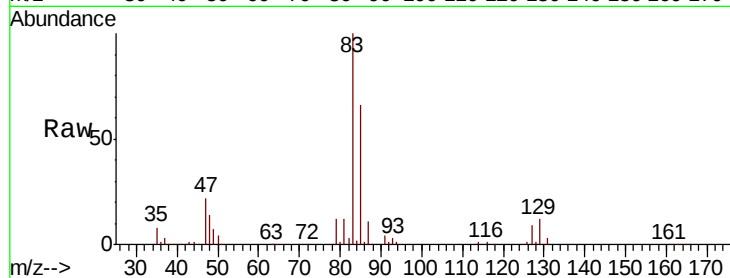
ICVVD100118

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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC

8.48

400000

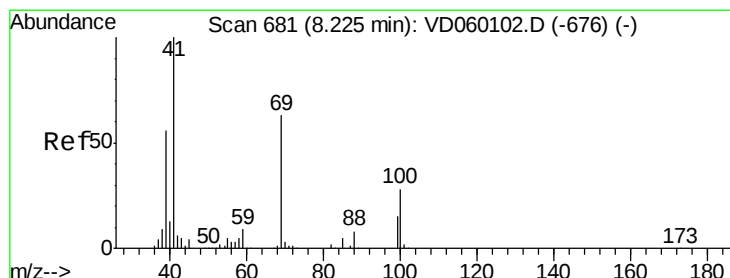
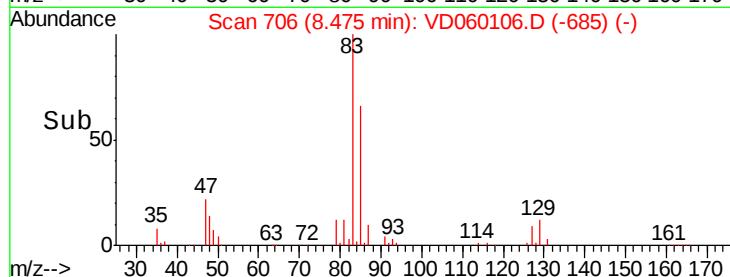
300000

200000

100000

0

Time-->



#48

Methyl methacrylate

Concen: 50.559 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

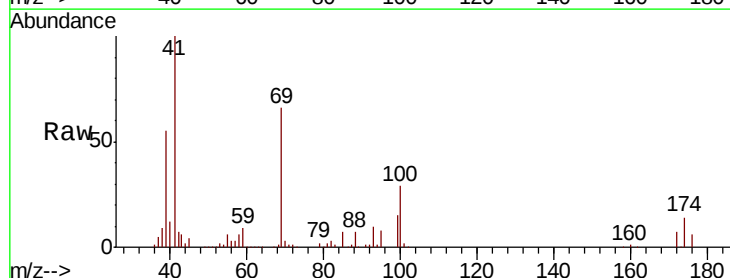
Tgt Ion: 41 Resp: 532418

Ion Ratio Lower Upper

41 100

69 65.5 49.7 74.5

39 54.9 45.2 67.8



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

8.23

300000

250000

200000

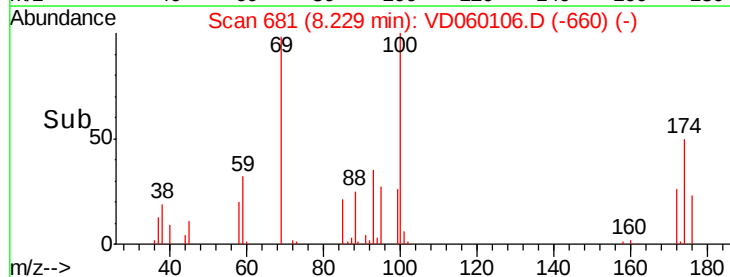
150000

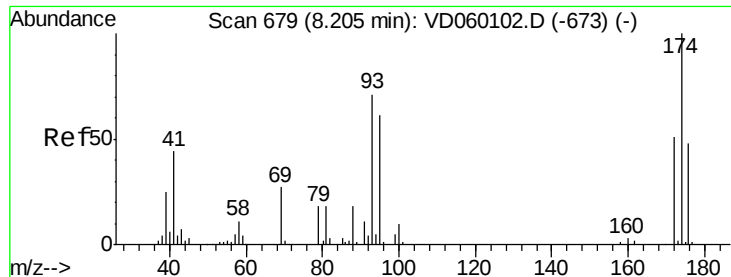
100000

50000

0

Time-->





#49
1,4-Dioxane
Concen: 1012.126 ug/l
RT: 8.21 min Scan# 679
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

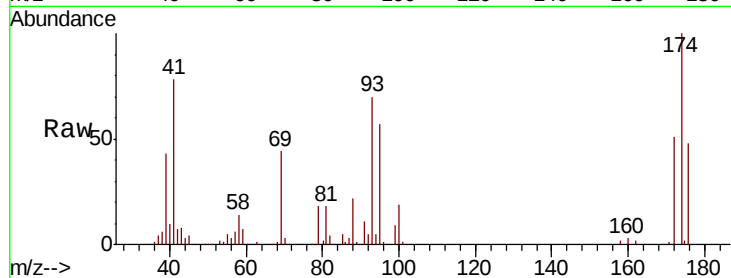
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	33.7	50.5
58	63.3	49.1	73.7

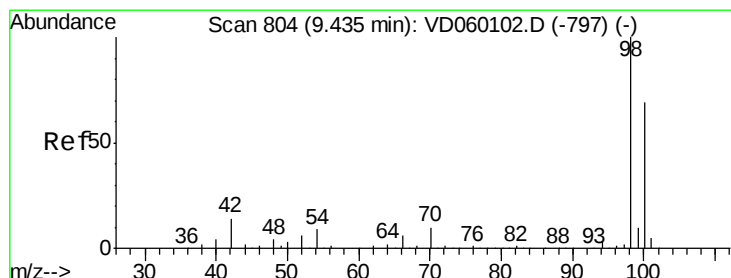
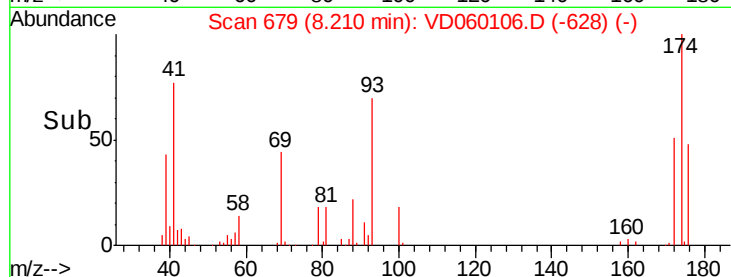
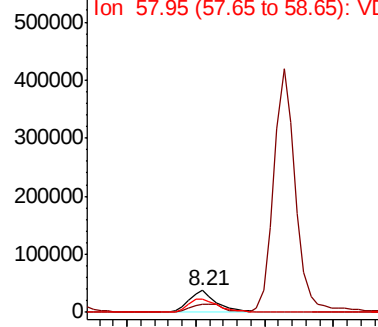
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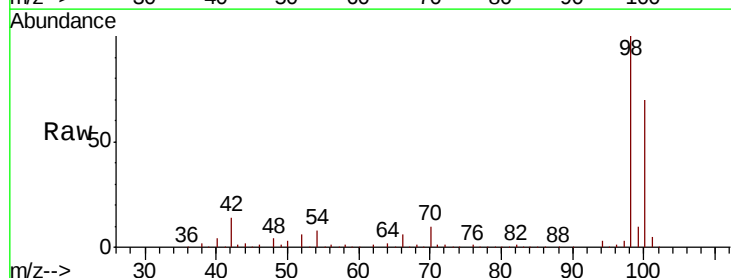


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

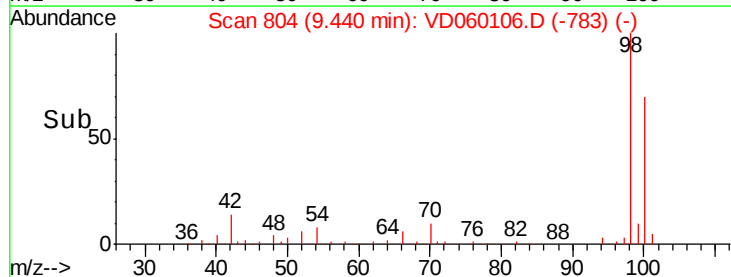
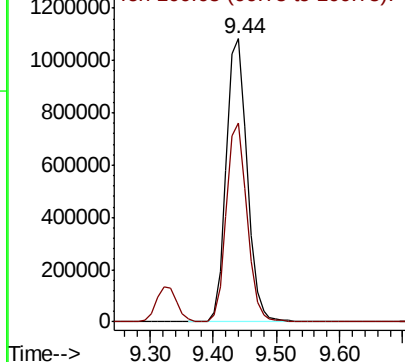


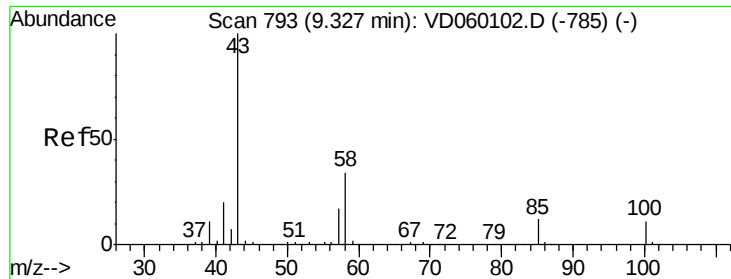
#50
Toluene-d8
Concen: 1012.126 ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.1	55.4	83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 253.391 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion: 43 Resp: 2954651

Ion Ratio Lower Upper

43 100

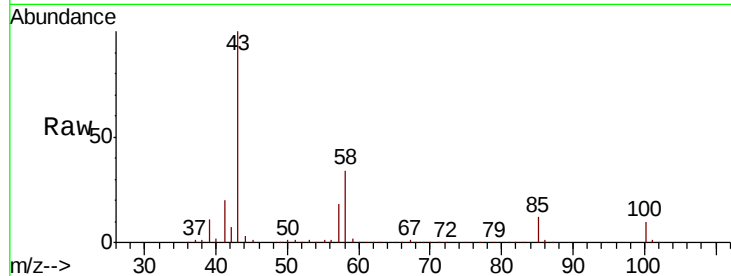
58 33.6 27.2 40.8

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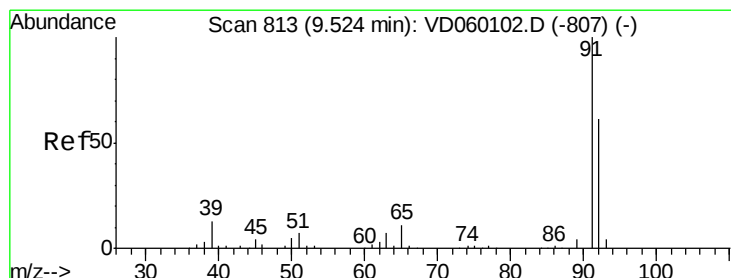
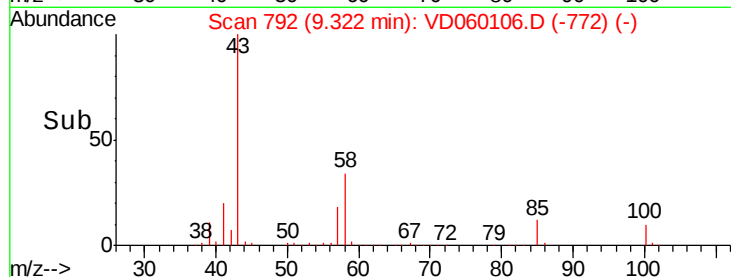
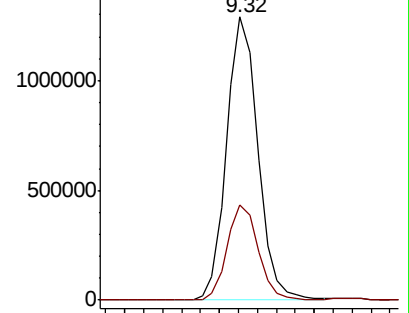
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Abundance Ion 42.95 (42.65 to 43.65): VDC

1500000 Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.547 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD060106.D

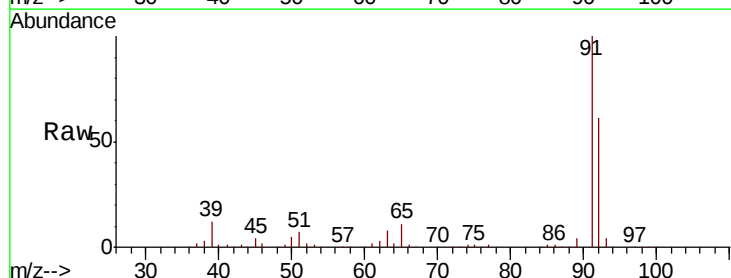
Acq: 1 Oct 2018 20:11

Tgt Ion: 92 Resp: 1803031

Ion Ratio Lower Upper

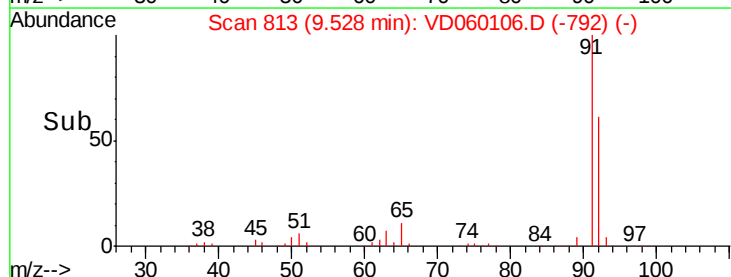
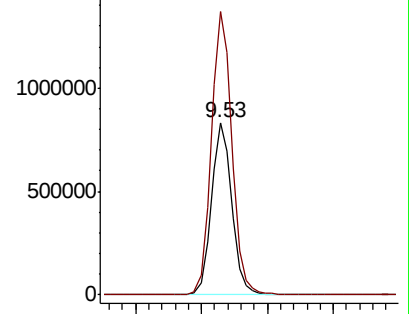
92 100

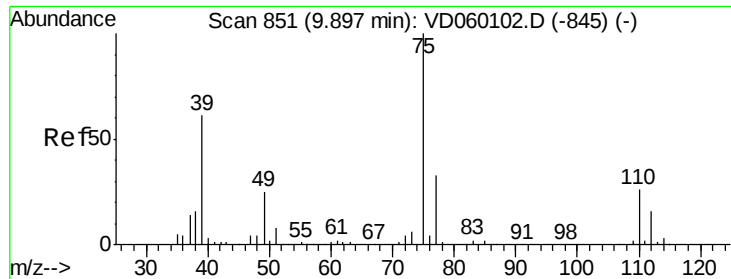
91 164.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

1500000 Ion 91.00 (90.70 to 91.70): VDC





#53
 t-1,3-Dichloropropene
 Concen: 52.791 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

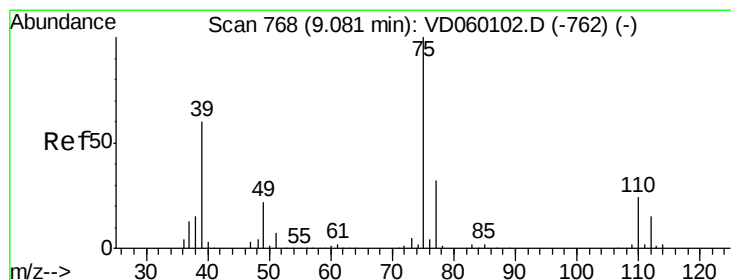
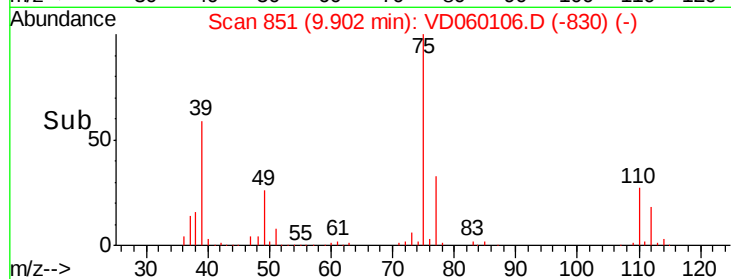
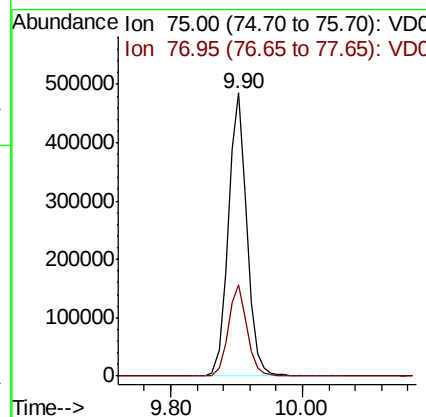
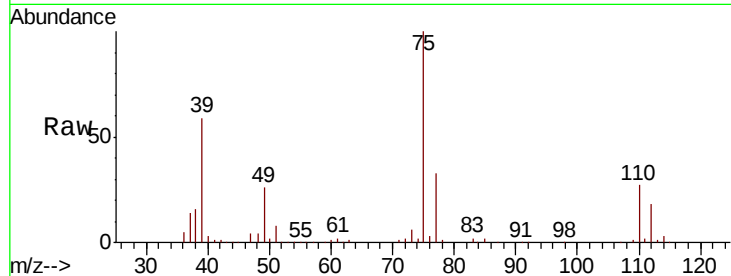
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100118

Tot Ion: 75 Resp: 955596
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2

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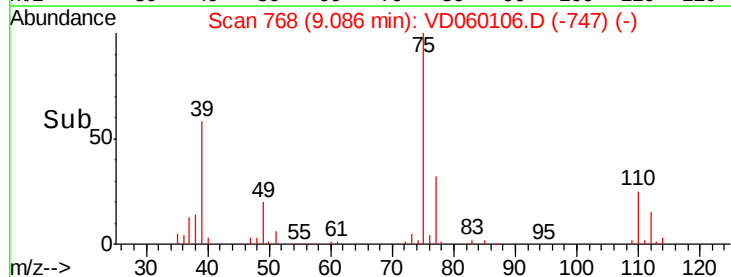
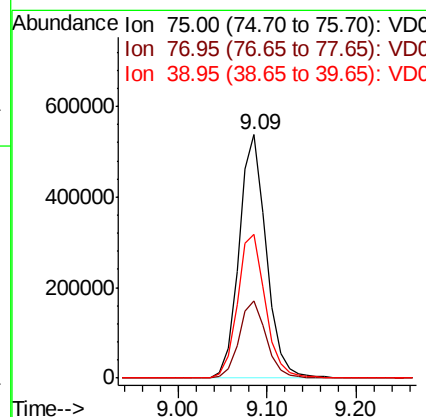
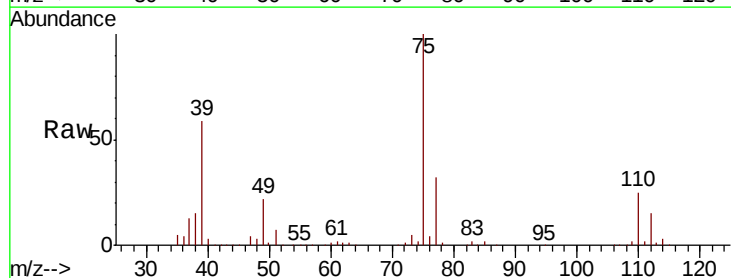
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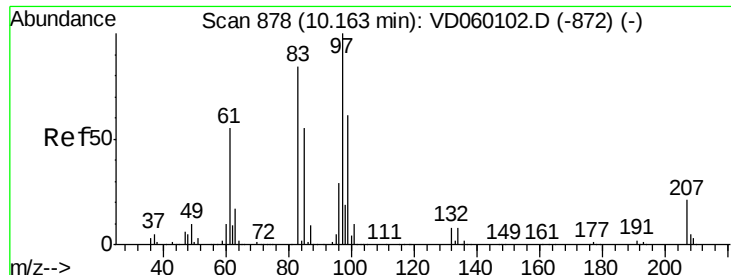
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#54
 cis-1,3-Dichloropropene
 Concen: 51.210 ug/l
 RT: 9.09 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Tgt Ion: 75 Resp: 1144697
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.7 38.5
 39 59.1 48.2 72.4





#55
1,1,2-Trichloroethane
Concen: 49.898 ug/l
RT: 10.17 min Scan# 878
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

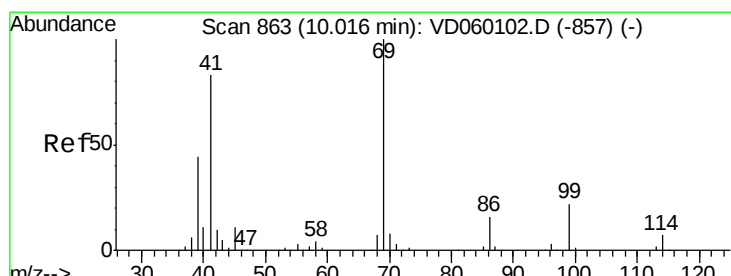
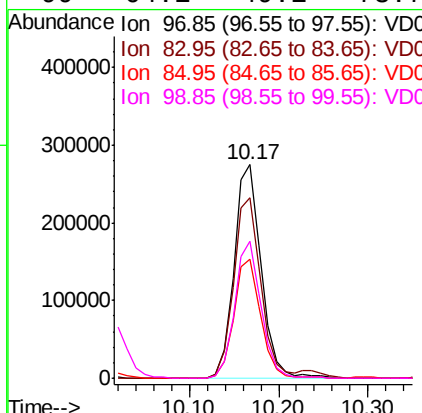
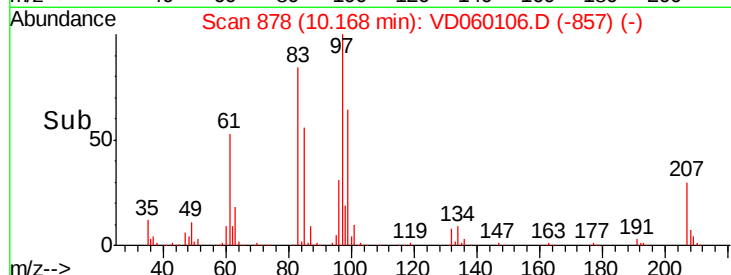
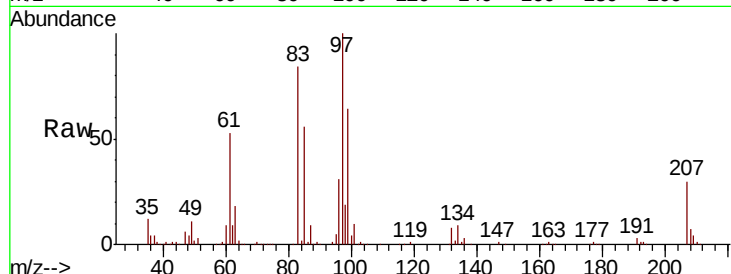
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion	97	Resp	581869
Ion Ratio	Lower	Upper	
97	100		
83	84.5	67.0	100.6
85	55.6	43.9	65.9
99	64.1	49.1	73.7

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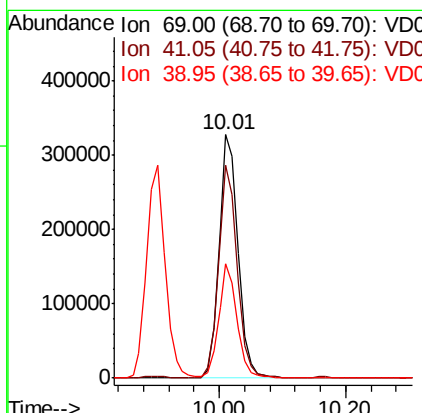
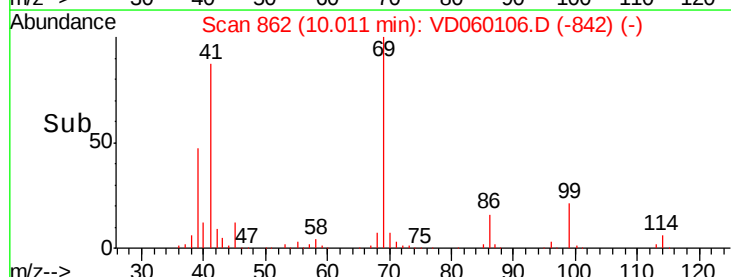
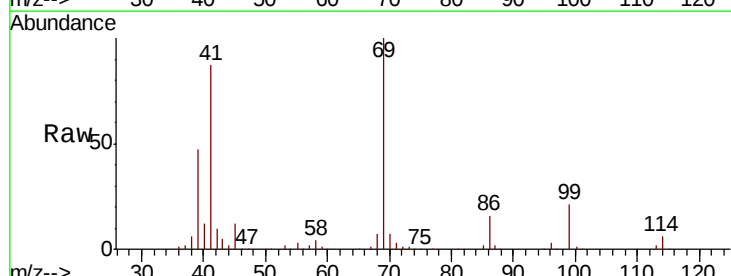
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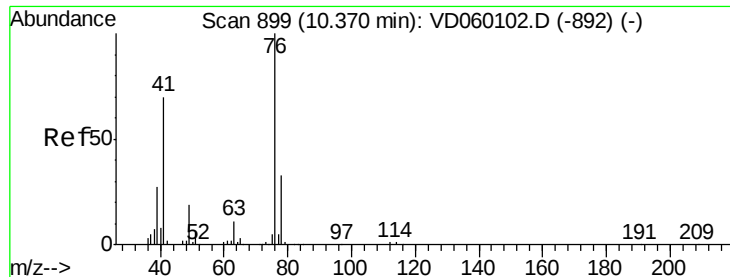
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#56
Ethyl methacrylate
Concen: 53.875 ug/l
RT: 10.01 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion	69	Resp	693487
Ion Ratio	Lower	Upper	
69	100		
41	87.3	66.6	100.0
39	46.8	36.0	54.0





#57
 1,3-Dichloropropane
 Concen: 50.725 ug/l
 RT: 10.36 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

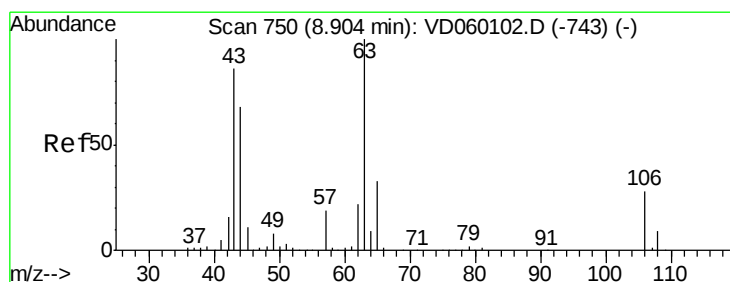
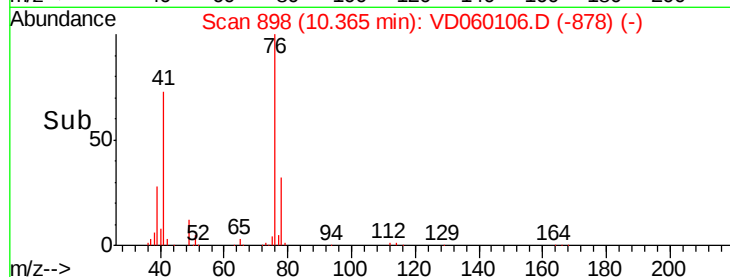
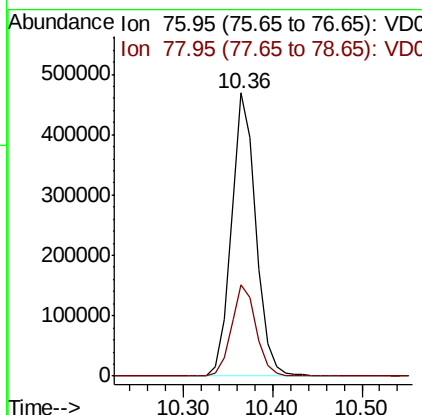
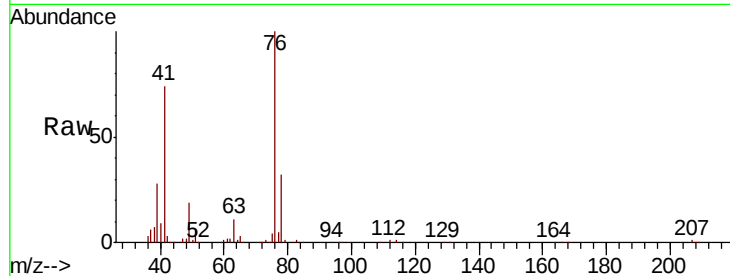
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100118

Tot Ion: 76 Resp: 902118
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

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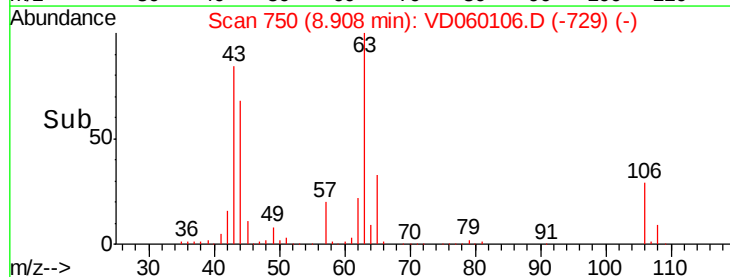
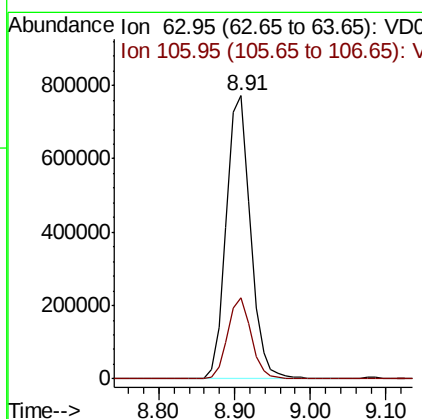
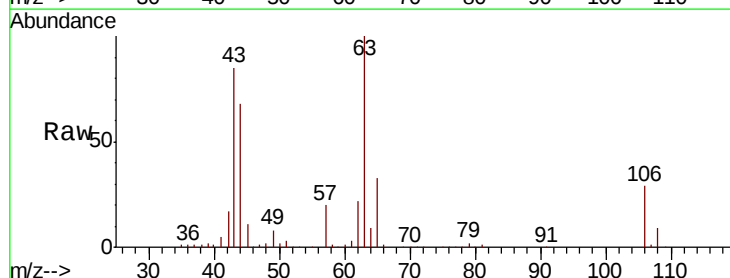
apatel

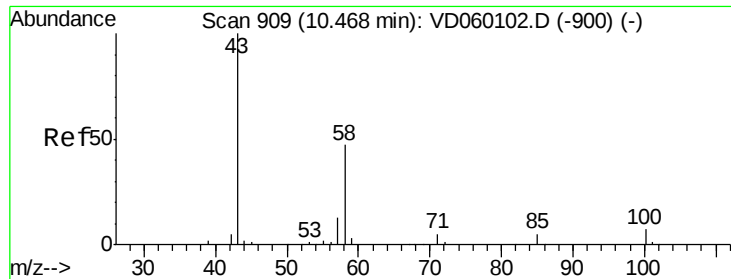
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#58
 2-Chloroethyl Vinyl ether
 Concen: 239.521 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Tgt Ion: 63 Resp: 1712104
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.6 34.0





#59
2-Hexanone
Concen: 252.495 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

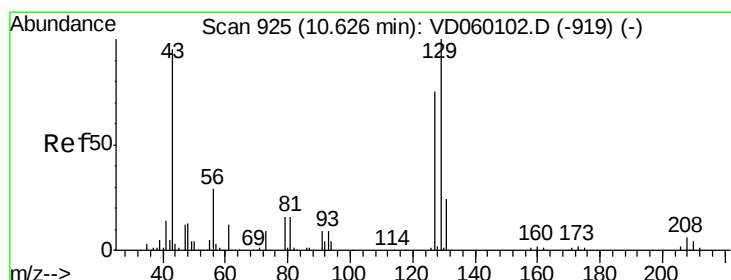
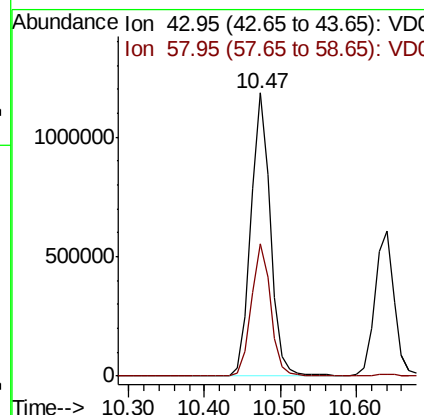
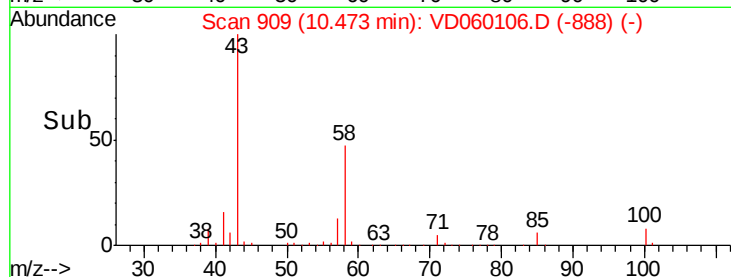
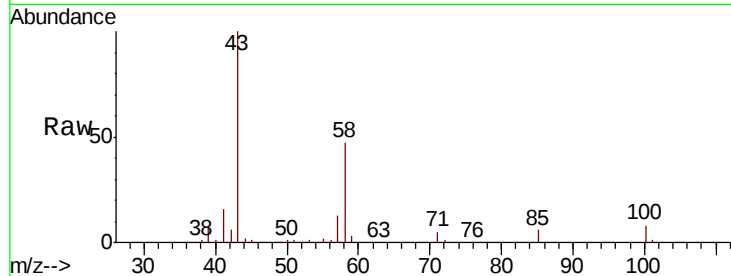
Instrument :
MSVOA_D
ClientSampled :
ICVVD100118

Tot Ion: 43 Resp: 2117113
Ion Ratio Lower Upper
43 100
58 46.9 23.3 69.9

Manual Integrations
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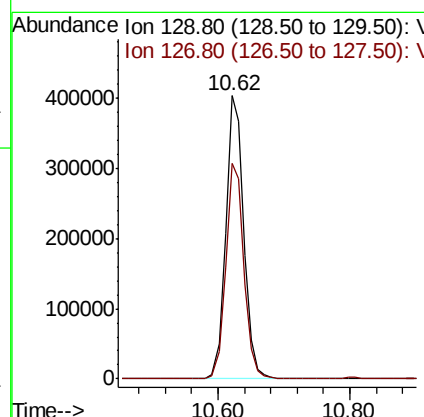
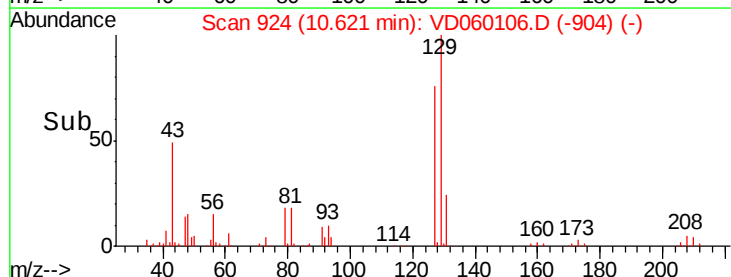
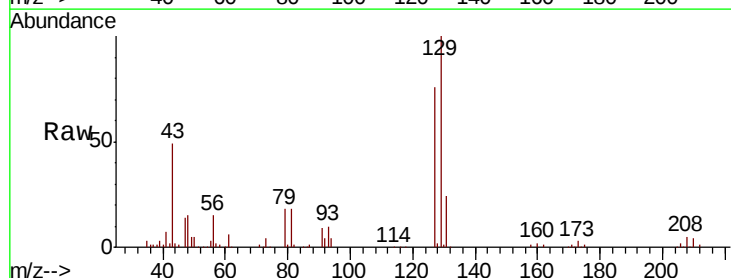
apatel

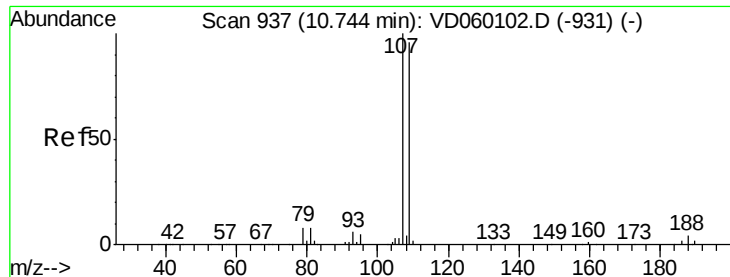
10/2/2018 12:31:31 PM



#60
Dibromochloromethane
Concen: 53.446 ug/l
RT: 10.62 min Scan# 924
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion: 129 Resp: 764675
Ion Ratio Lower Upper
129 100
127 76.0 37.4 112.2





#61

1,2-Dibromoethane

Concen: 52.386 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion:107 Resp: 649068

Ion Ratio Lower Upper

107 100

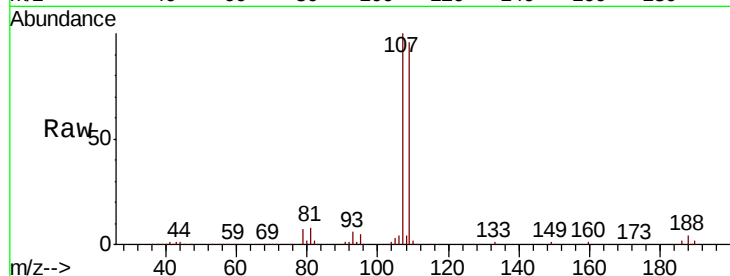
109 96.0 77.1 115.7

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

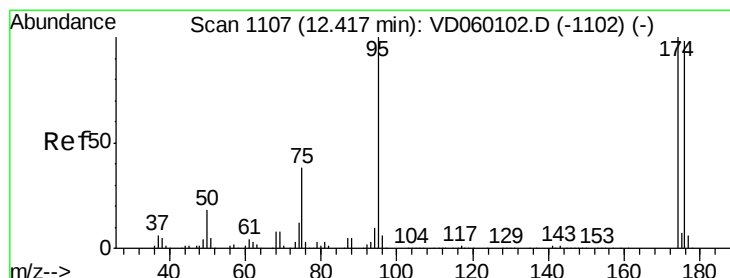
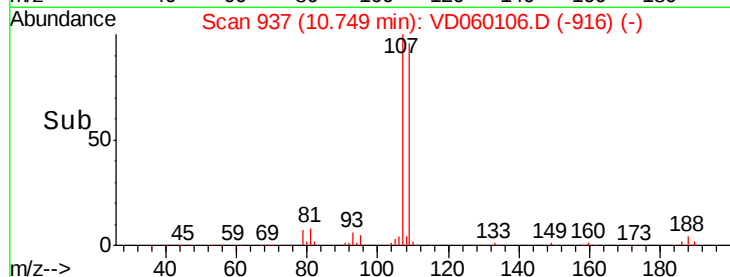
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.386 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

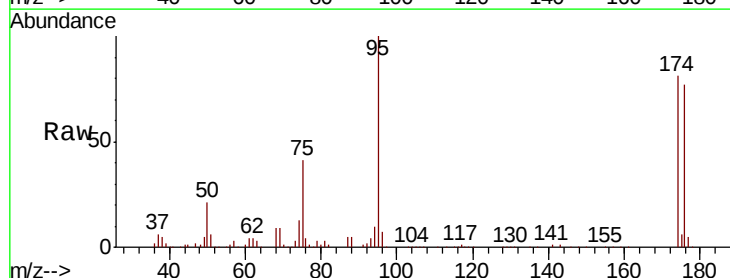
Tgt Ion: 95 Resp: 927932

Ion Ratio Lower Upper

95 100

174 80.6 0.0 200.2

176 76.8 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

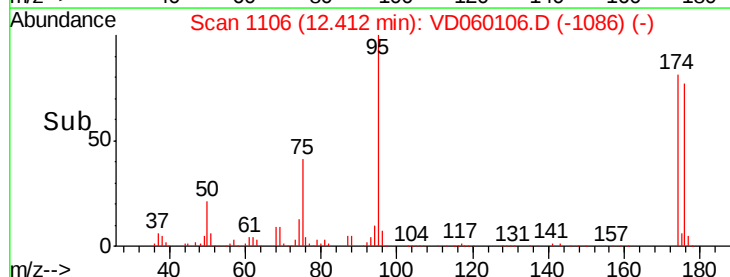
600000

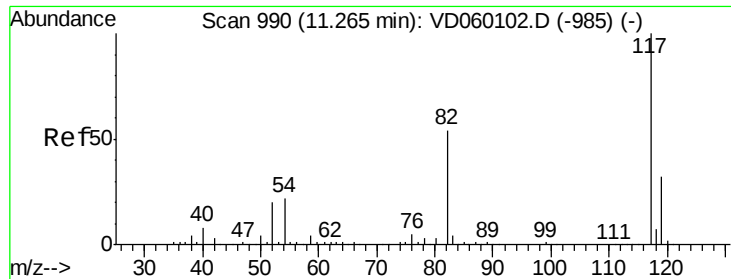
400000

200000

0

Time-->





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

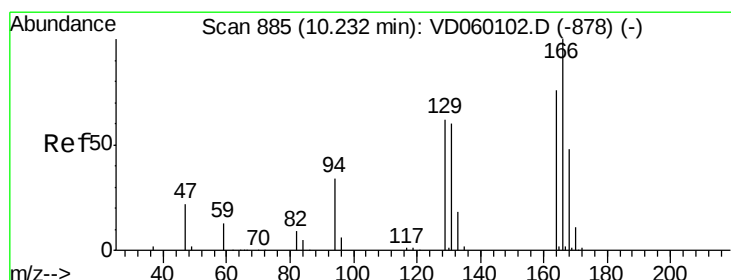
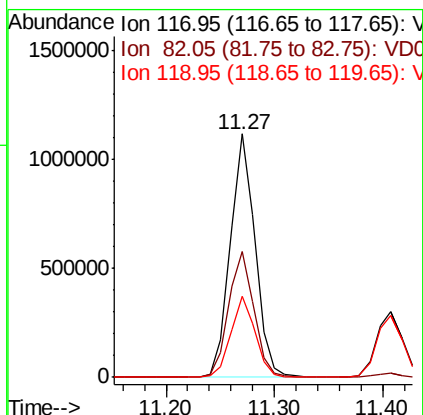
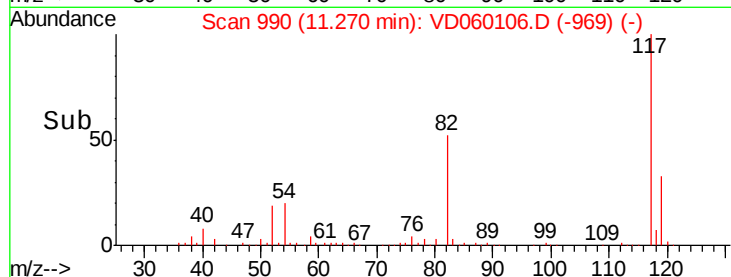
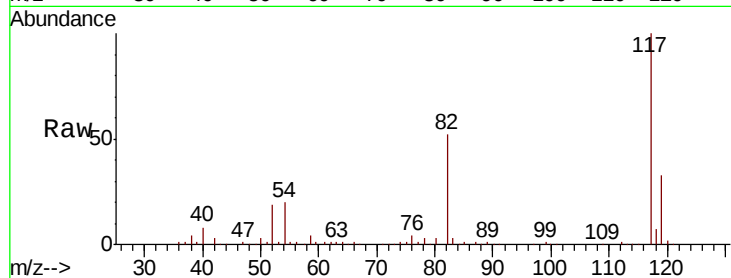
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion:117 Resp: 1793373
Ion Ratio Lower Upper
117 100
82 51.8 43.4 65.2
119 33.5 26.0 39.0

Manual Integrations
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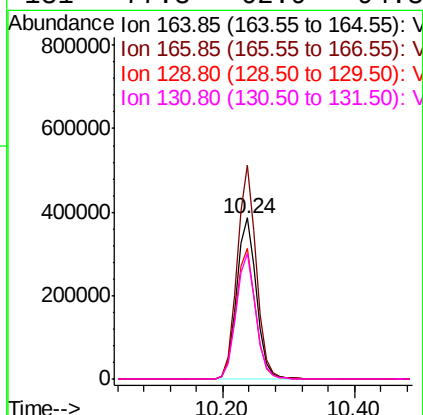
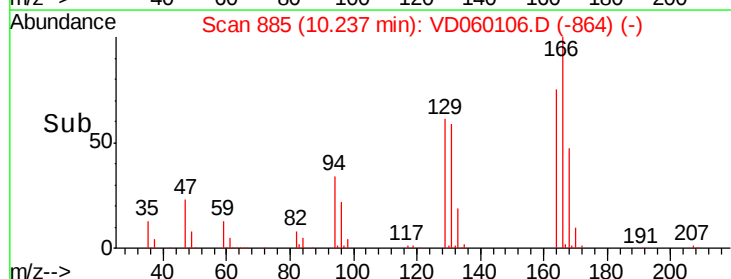
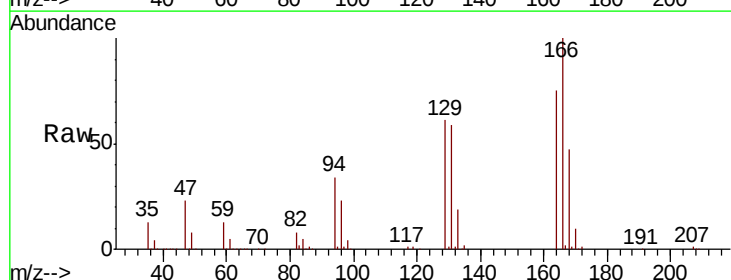
apatel

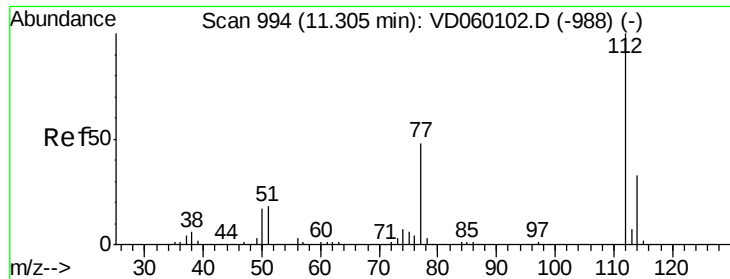
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#64
Tetrachloroethene
Concen: 51.983 ug/l
RT: 10.24 min Scan# 885
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion:164 Resp: 816519
Ion Ratio Lower Upper
164 100
166 132.7 105.4 158.0
129 81.3 65.7 98.5
131 77.8 62.9 94.3





#65
Chlorobenzene
Concen: 51.271 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

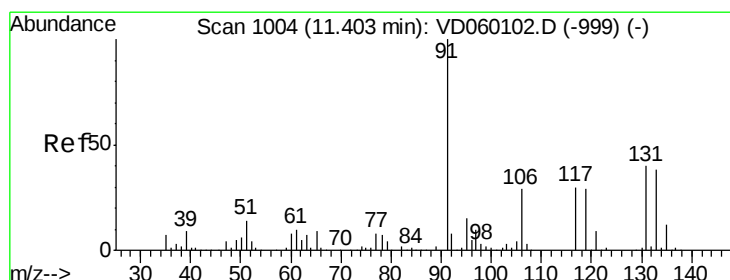
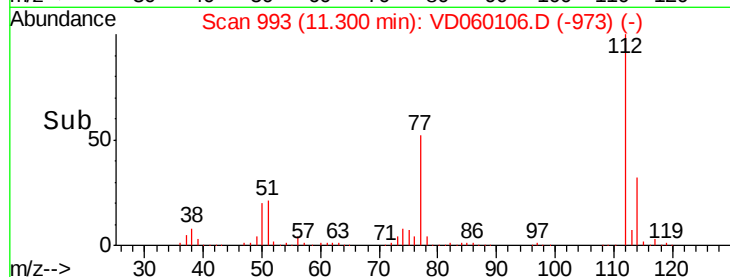
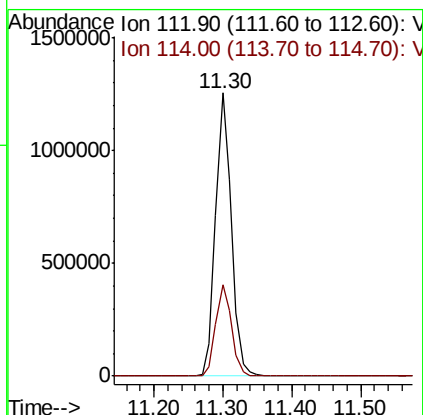
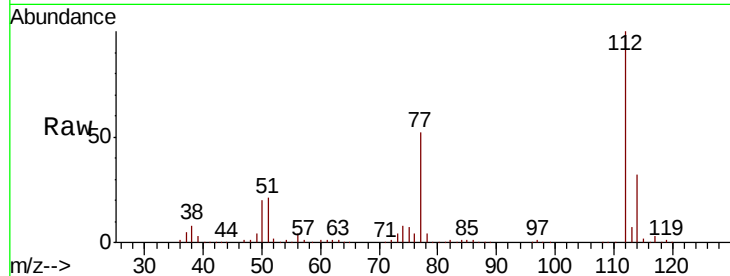
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion:112 Resp: 1989176
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0

Manual Integrations
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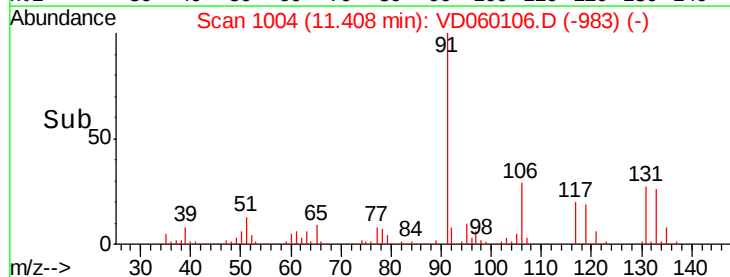
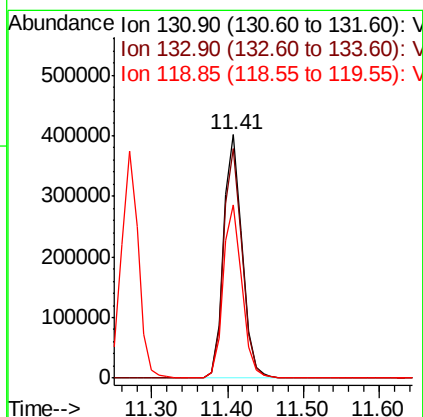
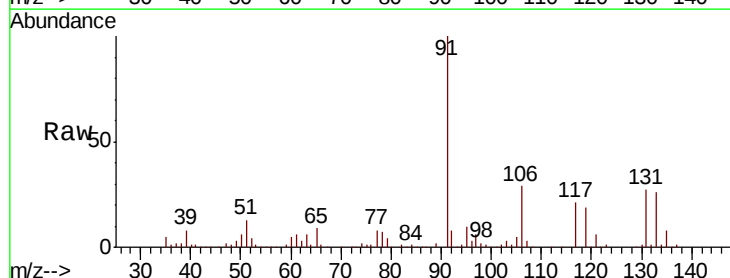
apatel

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#66
1,1,1,2-Tetrachloroethane
Concen: 52.639 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion:131 Resp: 681300
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.3
119 71.1 36.1 108.3





#67
Ethyl Benzene
Concen: 51.051 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

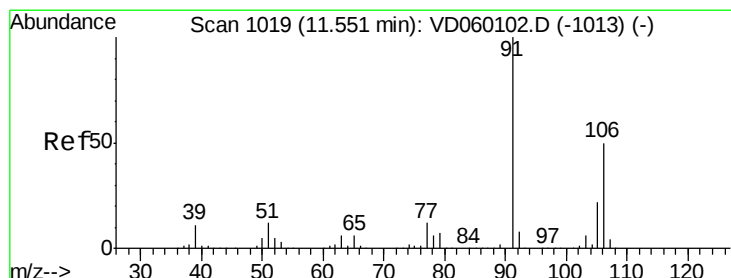
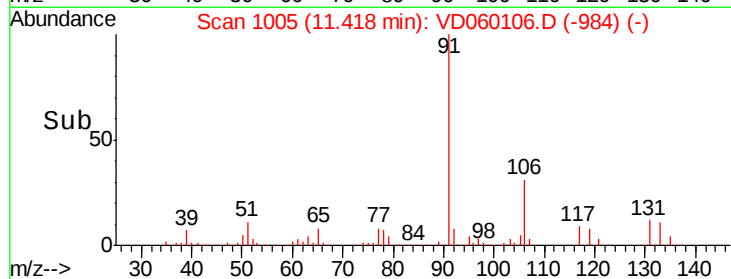
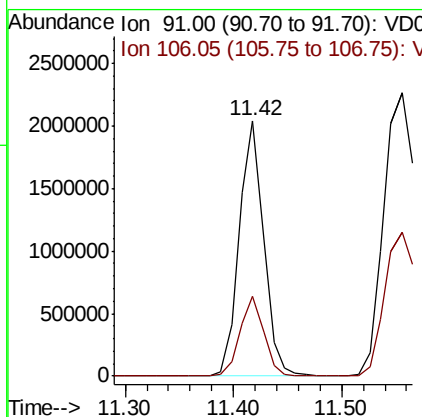
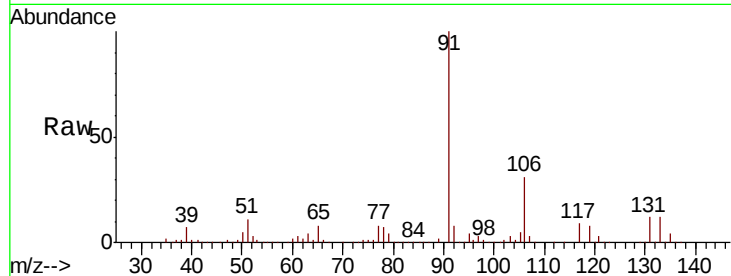
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion: 91 Resp: 3209009
Ion Ratio Lower Upper
91 100
106 31.3 24.4 36.6

Manual Integrations
APPROVED

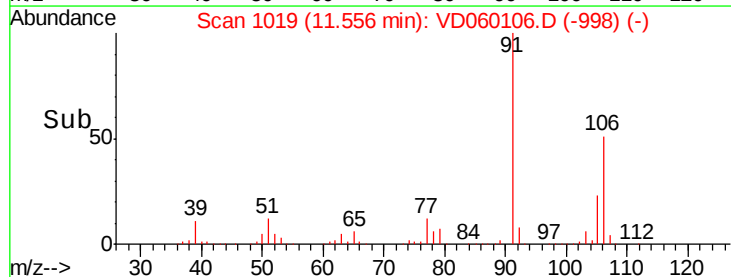
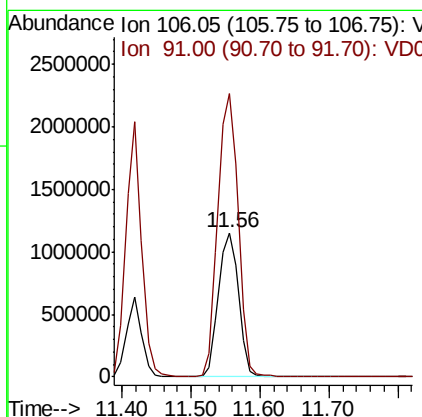
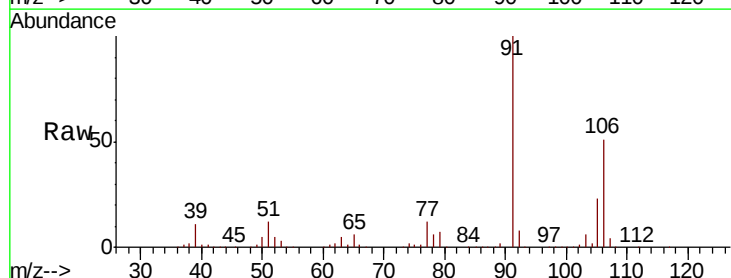
apatel

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#68
m/p-Xylenes
Concen: 99.117 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion: 106 Resp: 2327899
Ion Ratio Lower Upper
106 100
91 196.6 160.0 240.0





#69
o-Xylene
Concen: 49.666 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

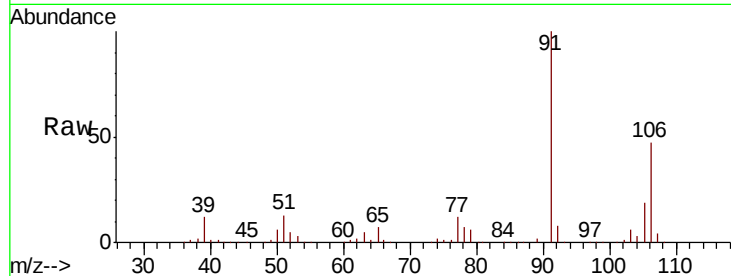
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion:106 Resp: 1153795
Ion Ratio Lower Upper
106 100
91 213.0 102.5 307.5

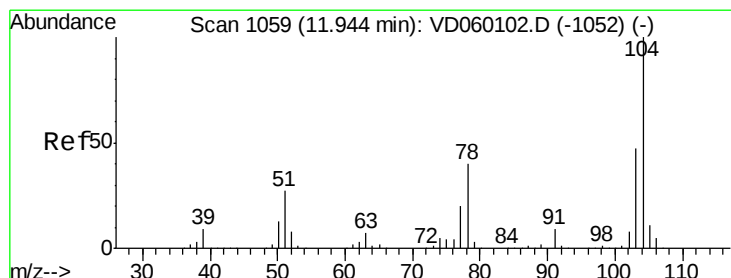
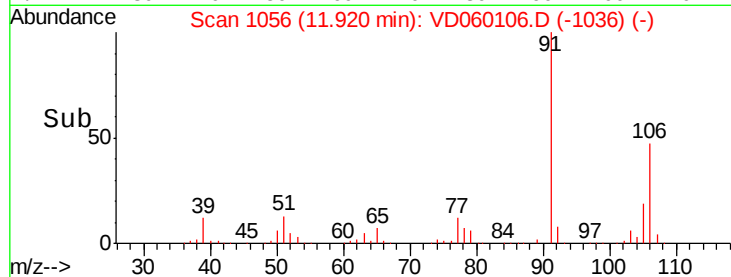
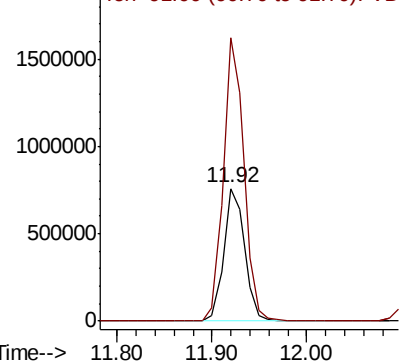
Manual Integrations
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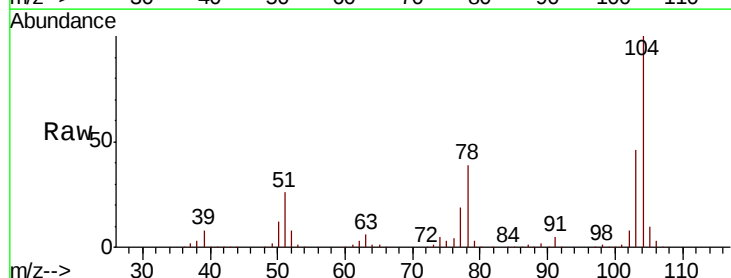


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

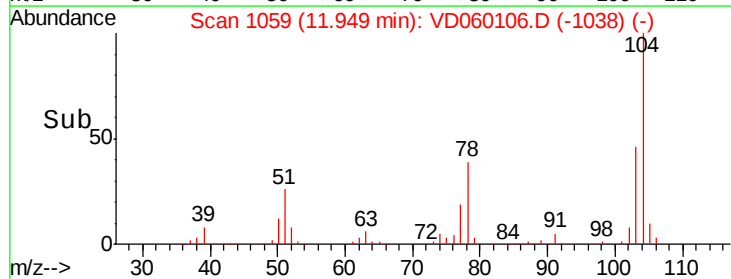
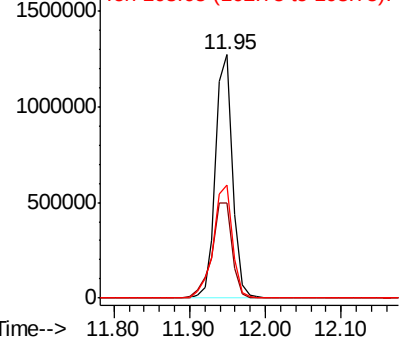


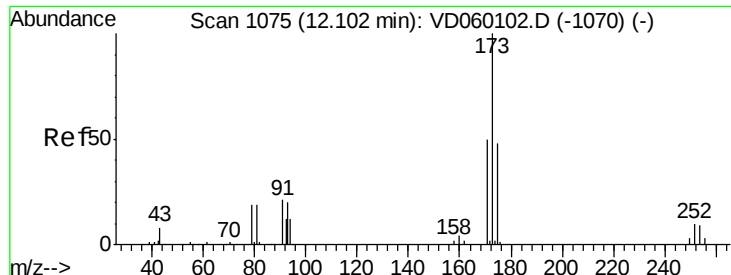
#70
Styrene
Concen: 50.497 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion:104 Resp: 1961795
Ion Ratio Lower Upper
104 100
78 39.1 32.2 48.4
103 46.4 37.4 56.0



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71
Bromoform
Concen: 53.399 ug/l
RT: 12.11 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

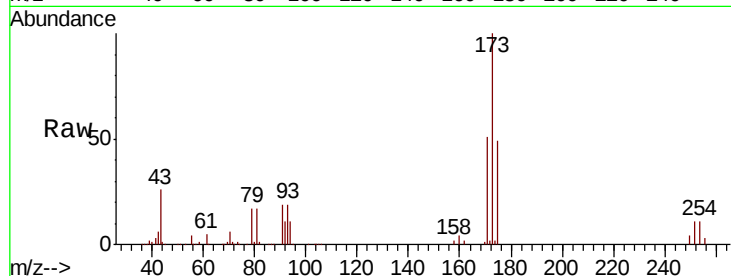
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	10.9	7.4	11.0

Manual Integrations
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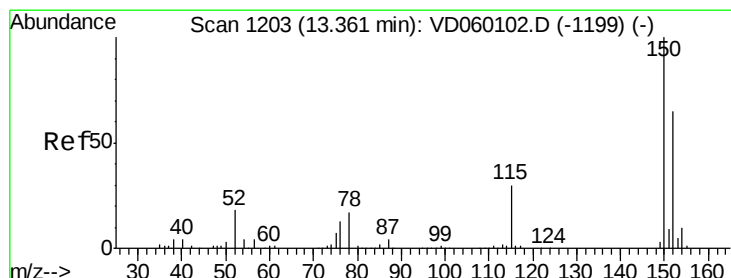
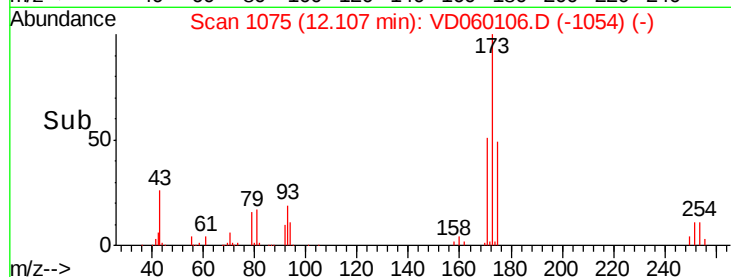
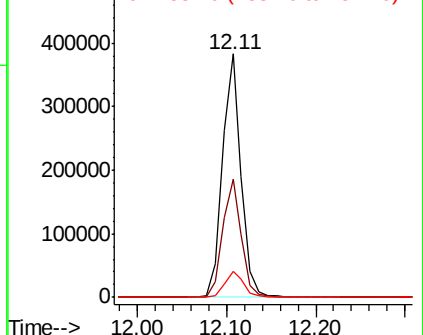


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

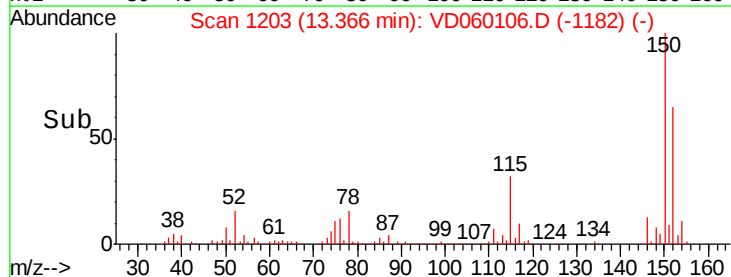
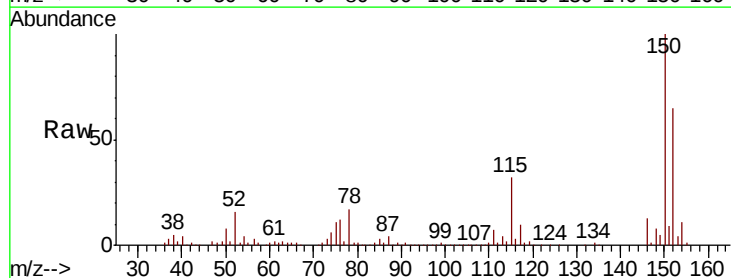
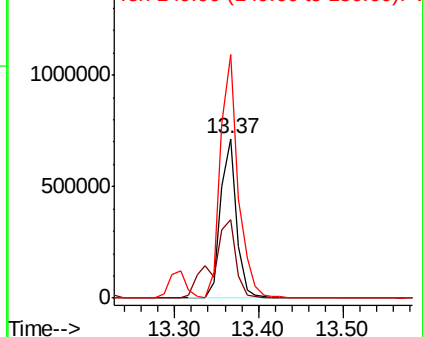
Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.3	27.1	81.2
150	152.9	0.0	311.8

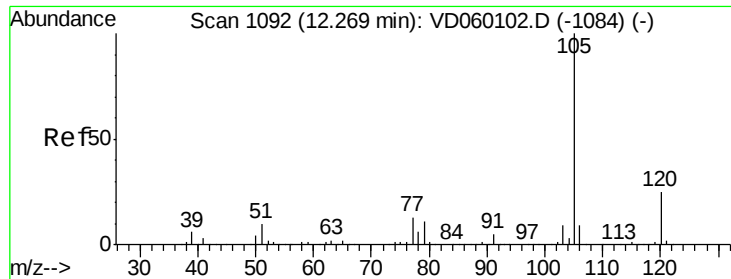
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.720 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion:105 Resp: 3194950

Ion Ratio Lower Upper

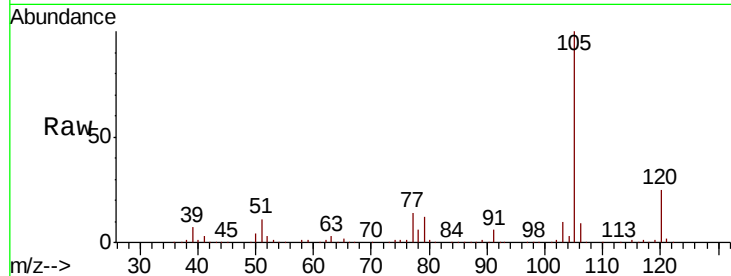
105 100

120 24.7 12.6 37.6

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

1000000

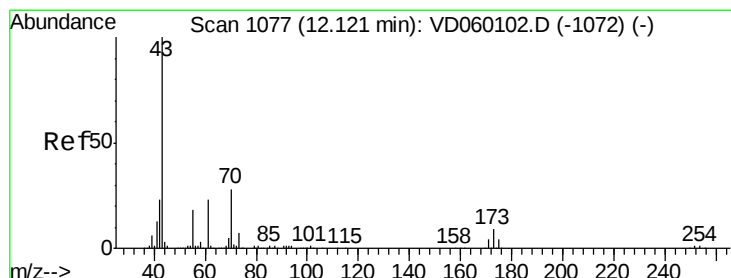
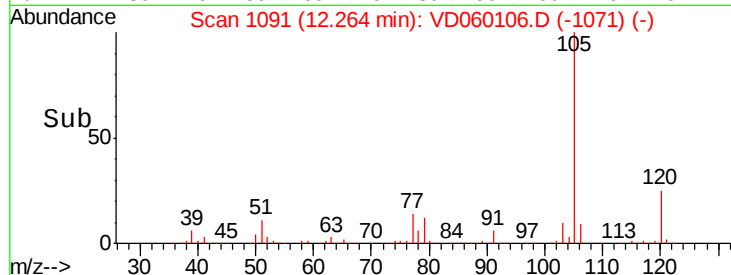
500000

0

12.26

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 54.405 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Tgt Ion: 43 Resp: 1231034

Ion Ratio Lower Upper

43 100

70 29.2 22.1 33.1

55 17.4 14.1 21.1

61 23.8 18.4 27.6

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

1000000

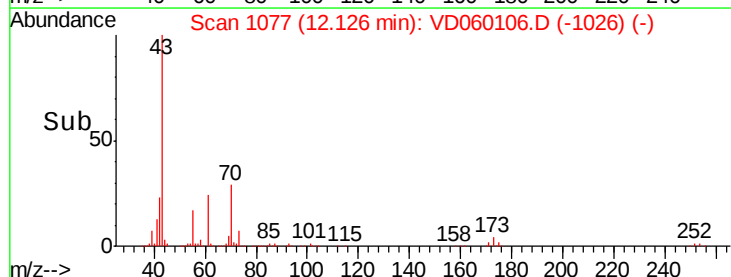
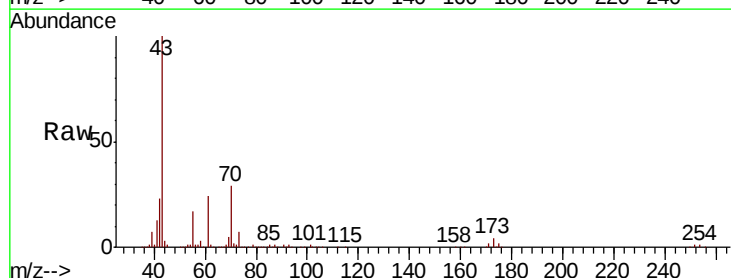
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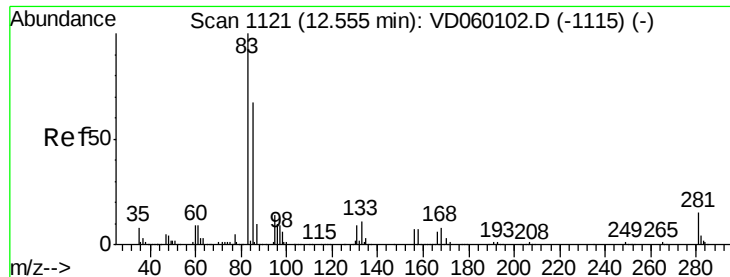
0

12.13

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.265 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion: 83 Resp: 704854
Ion Ratio Lower Upper

83 100

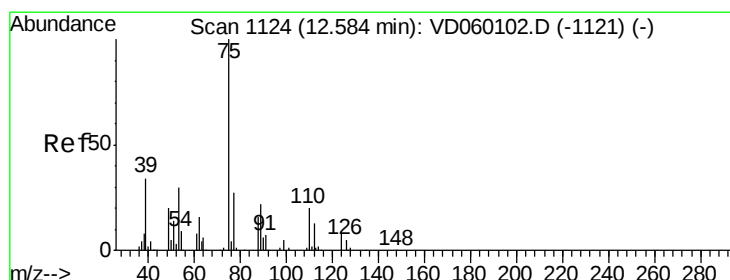
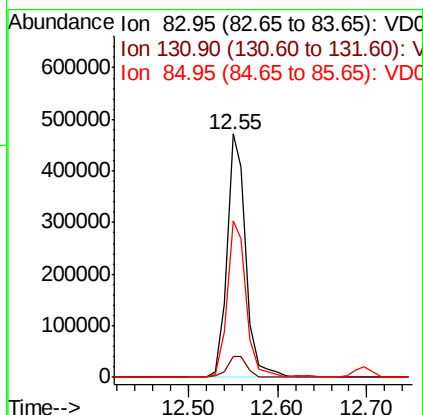
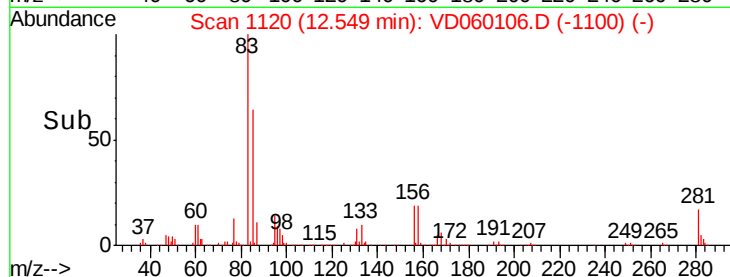
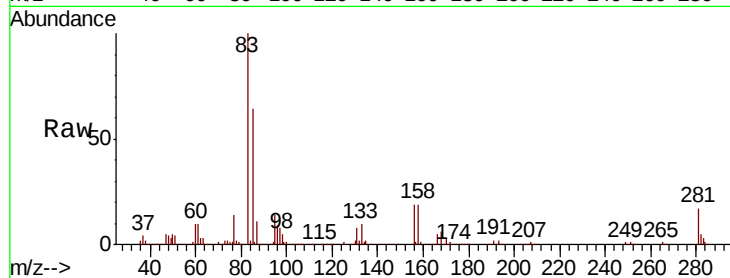
131 8.4 4.5 13.4

85 64.1 33.3 99.9

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#76

1,2,3-Trichloropropane

Concen: 51.505 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

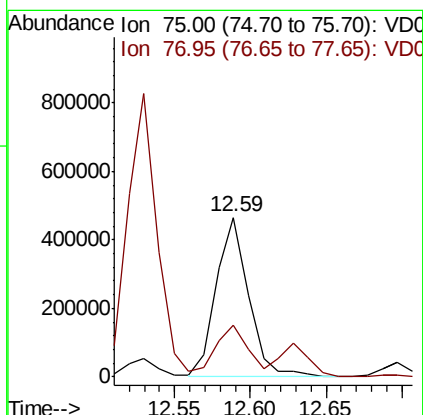
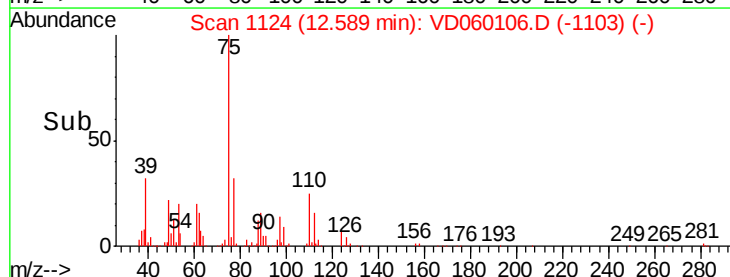
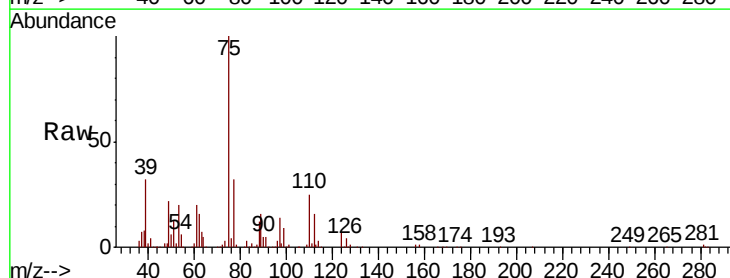
Lab File: VD060106.D

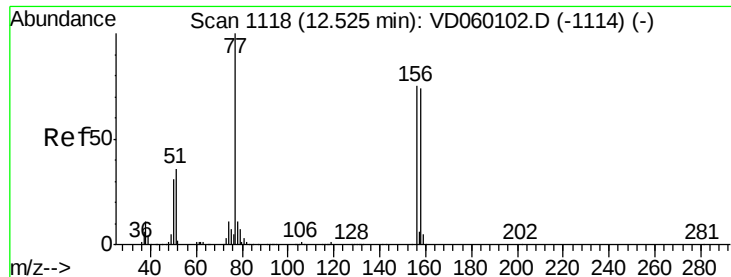
Acq: 1 Oct 2018 20:11

Tgt Ion: 75 Resp: 694533
Ion Ratio Lower Upper

75 100

77 32.3 16.3 48.9





#77

Bromobenzene

Concen: 52.445 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

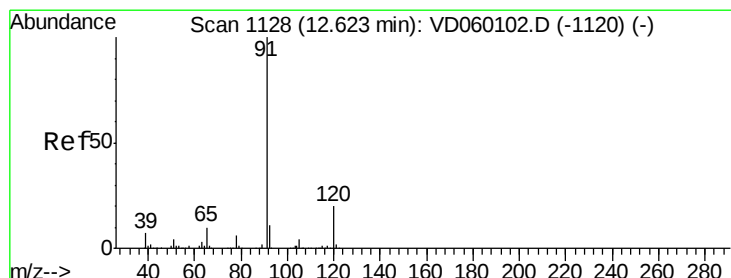
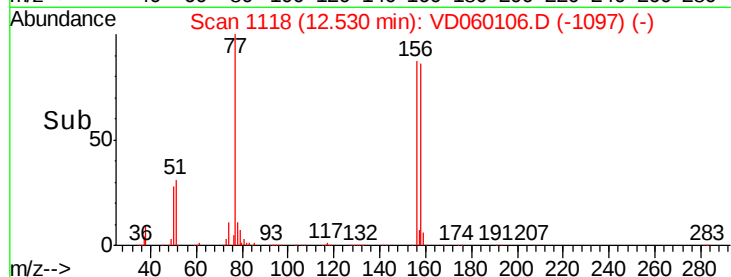
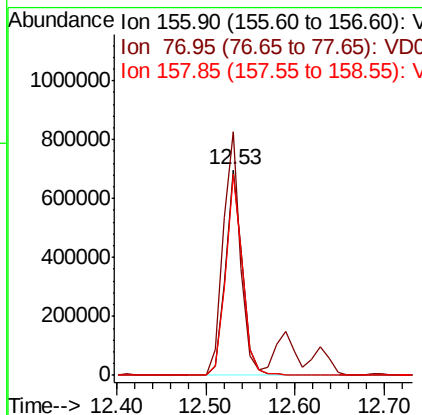
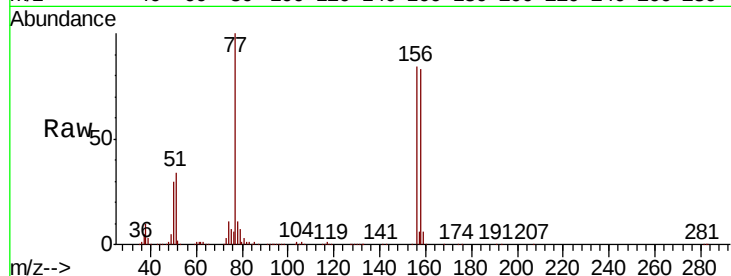
ClientSampleId :

ICVVD100118

Tot Ion	Ratio	Lower	Upper
156	100		
77	118.5	66.9	200.7
158	98.2	49.1	147.4

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#78

n-propylbenzene

Concen: 50.336 ug/l

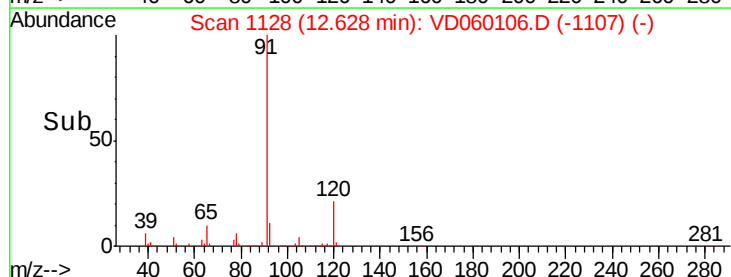
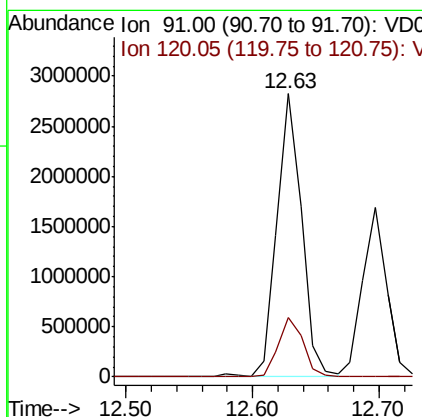
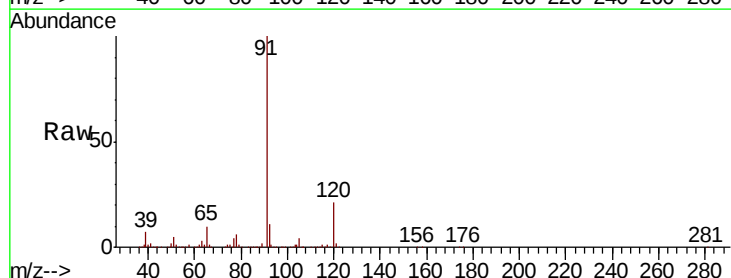
RT: 12.63 min Scan# 1128

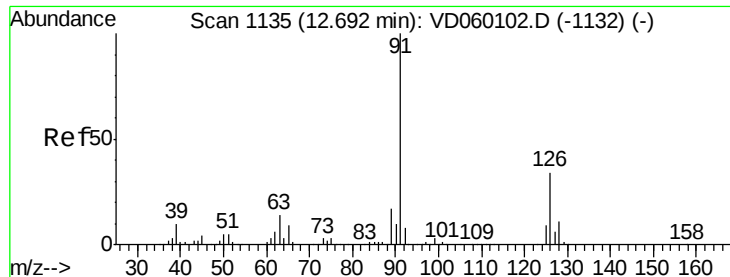
Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.0	30.0





#79

2-Chlorotoluene

Concen: 52.554 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion: 91 Resp: 2237337

Ion Ratio Lower Upper

91 100

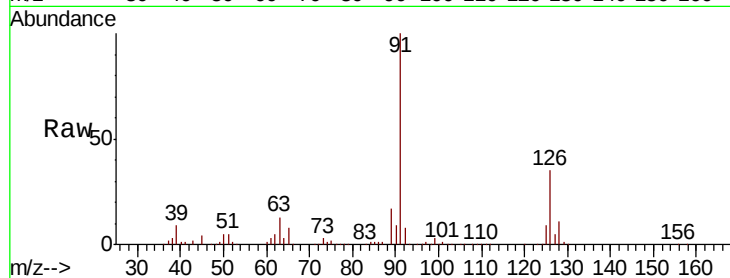
126 34.6 16.8 50.3

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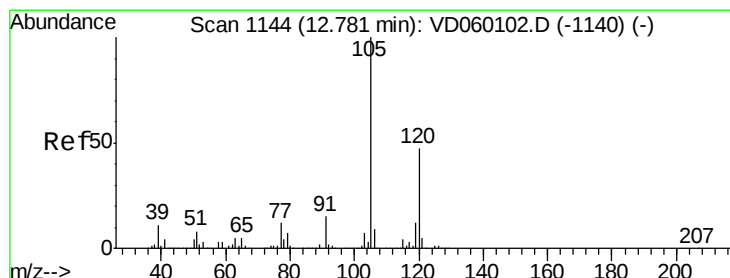
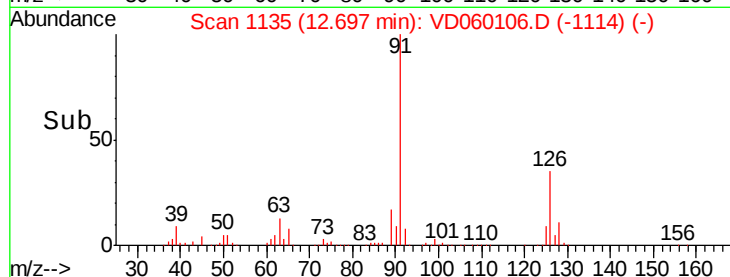
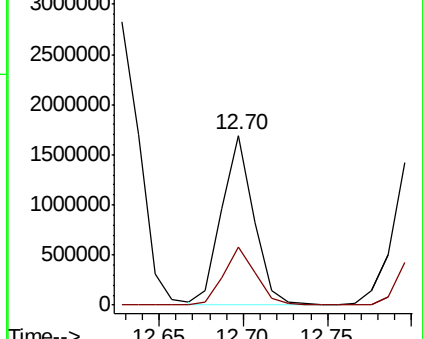
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.833 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VD060106.D

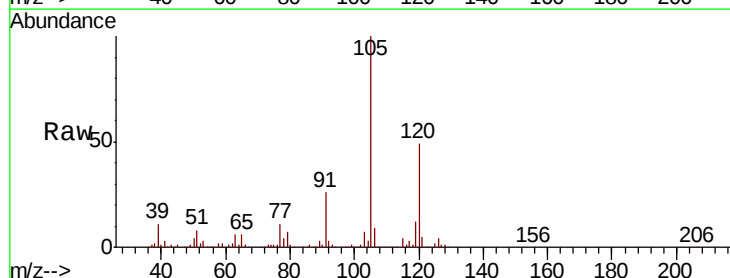
Acq: 1 Oct 2018 20:11

Tgt Ion:105 Resp: 2478149

Ion Ratio Lower Upper

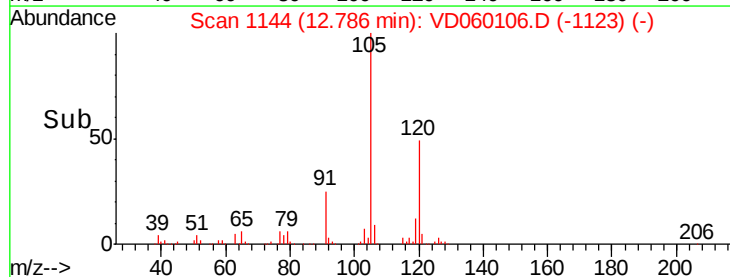
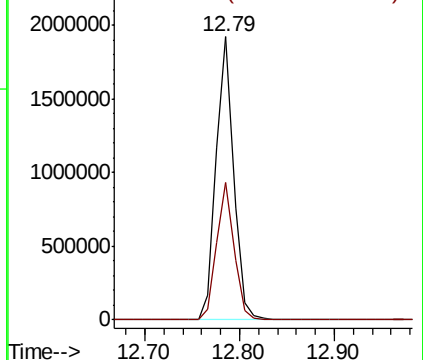
105 100

120 48.7 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.972 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD060106.D

Acq: 1 Oct 2018 20:11

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100118

Tot Ion: 75 Resp: 204502

Ion Ratio Lower Upper

75 100

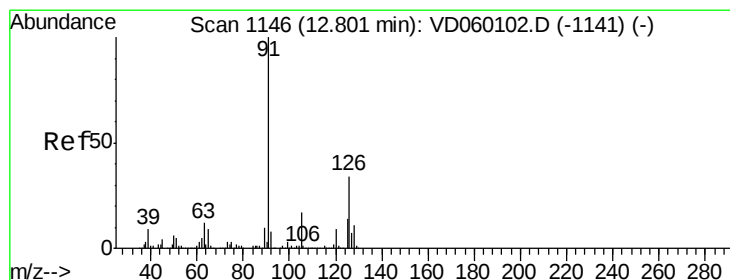
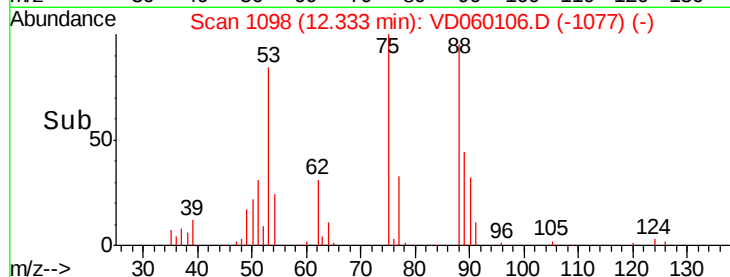
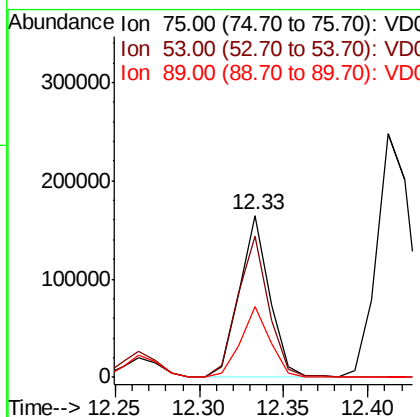
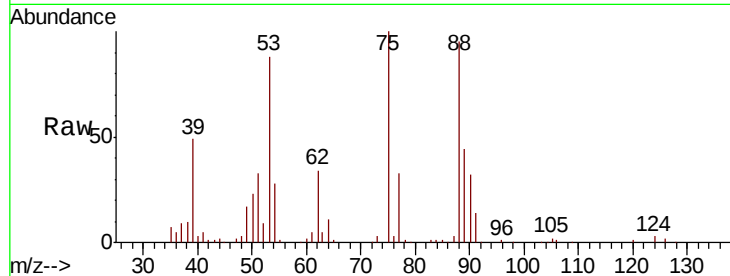
53 87.6 73.0 109.6

89 44.0 32.0 48.0

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#82

4-Chlorotoluene

Concen: 50.623 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060106.D

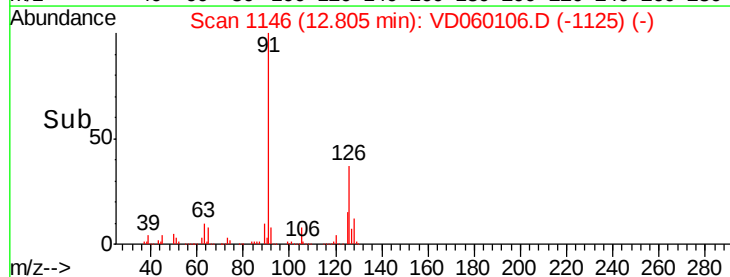
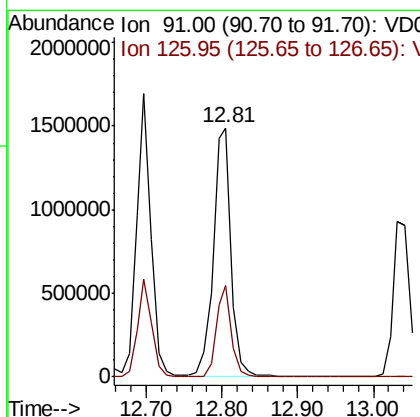
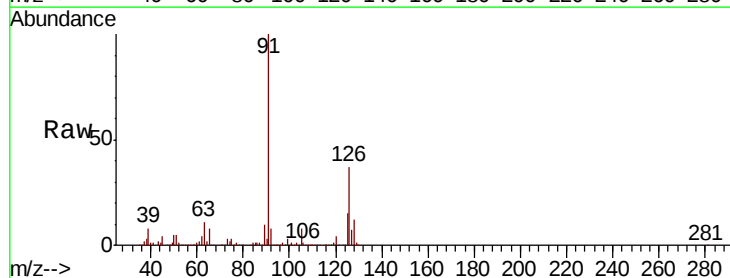
Acq: 1 Oct 2018 20:11

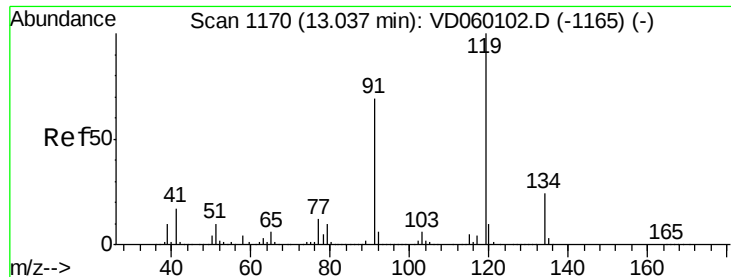
Tgt Ion: 91 Resp: 2437577

Ion Ratio Lower Upper

91 100

126 36.7 17.1 51.2





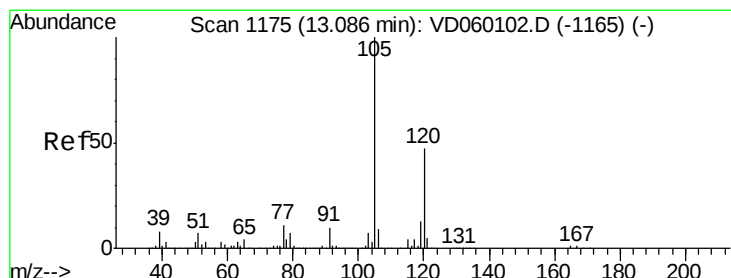
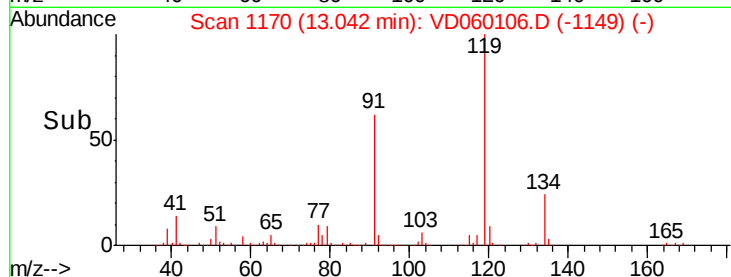
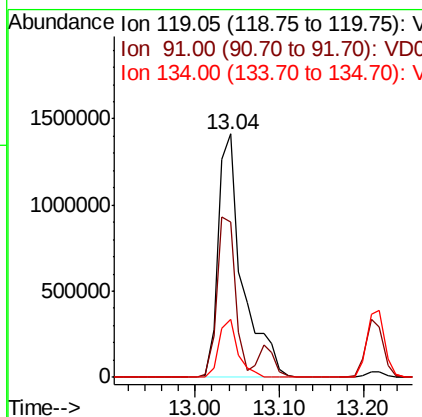
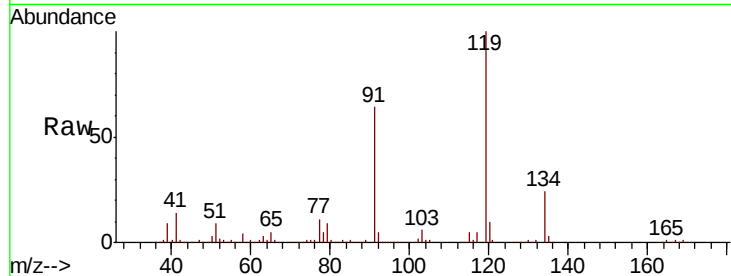
#83
 tert-Butylbenzene
 Concen: 51.629 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100118

Tot Ion:119 Resp: 2832596
 Ion Ratio Lower Upper
 119 100
 91 63.9 34.8 104.4
 134 24.0 11.8 35.4

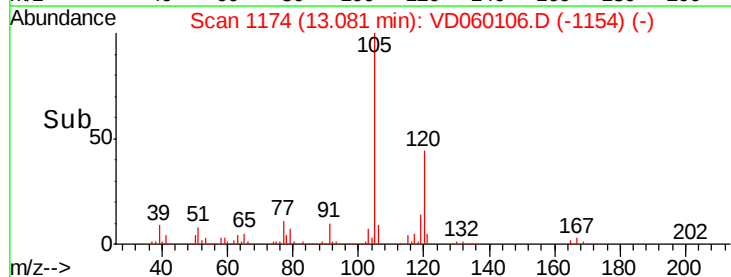
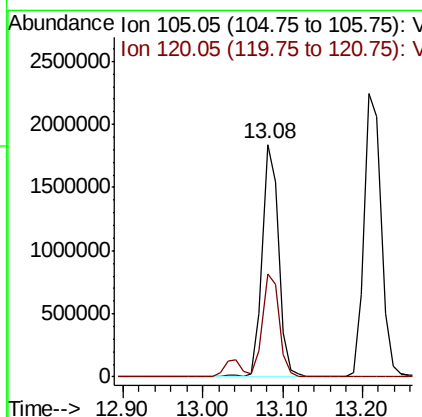
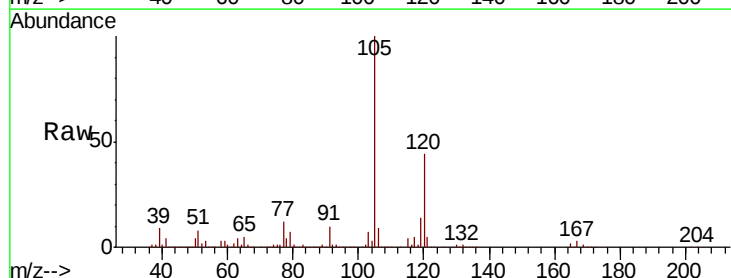
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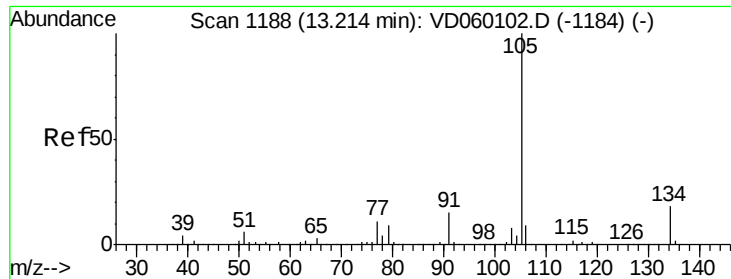
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.403 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Tgt Ion:105 Resp: 2590140
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.4 70.0





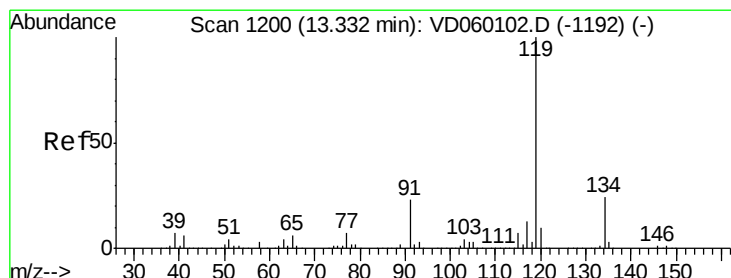
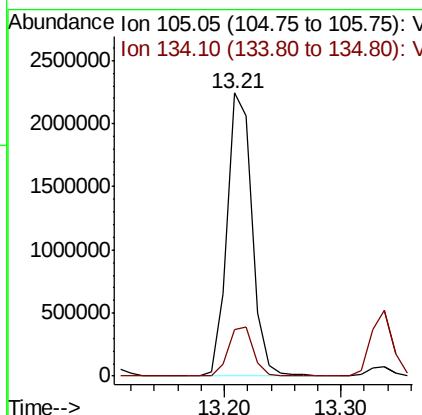
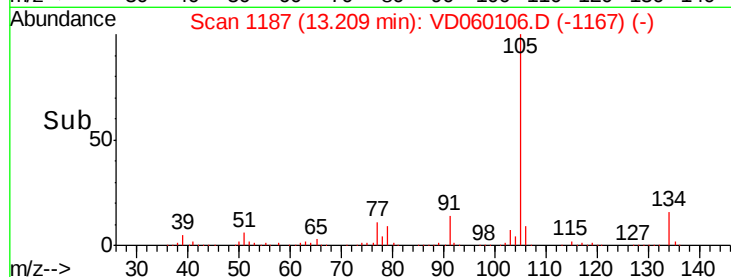
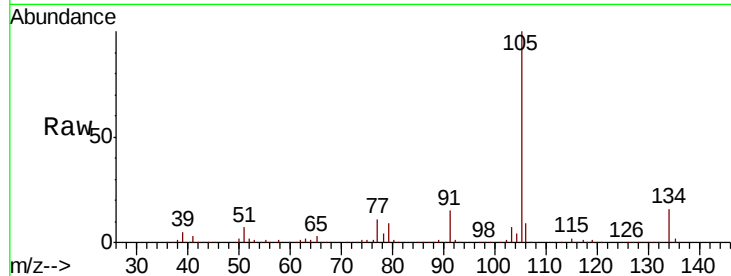
#85
 sec-Butylbenzene
 Concen: 51.122 ug/l
 RT: 13.21 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD100118

Tot Ion:105 Resp: 3316287
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.8 26.2

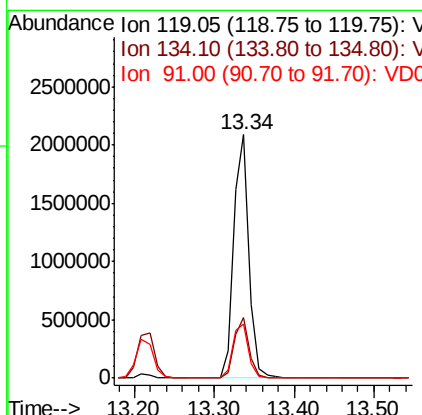
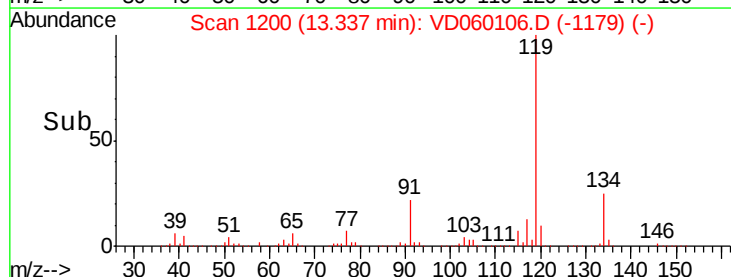
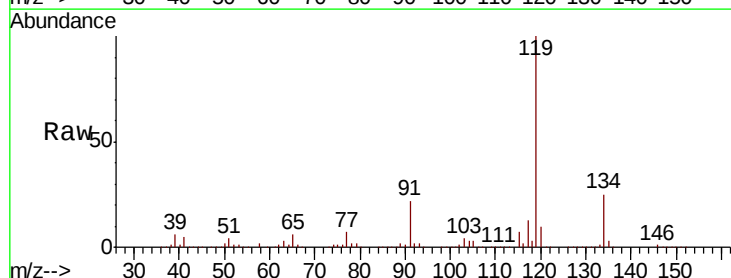
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#86
 p-Isopropyltoluene
 Concen: 52.313 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Tgt Ion:119 Resp: 2783399
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.3 36.8
 91 22.2 11.8 35.4





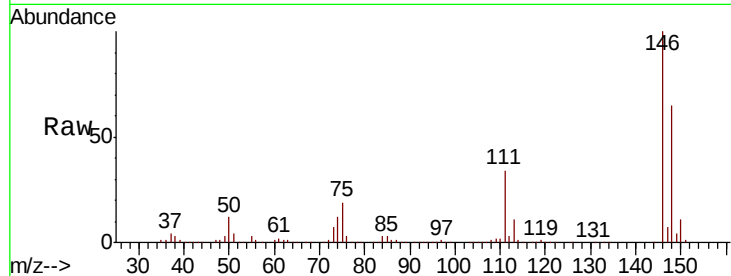
#87
 1,3-Dichlorobenzene
 Concen: 51.526 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100118

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.0	18.1	54.3
148	65.3	32.3	96.9

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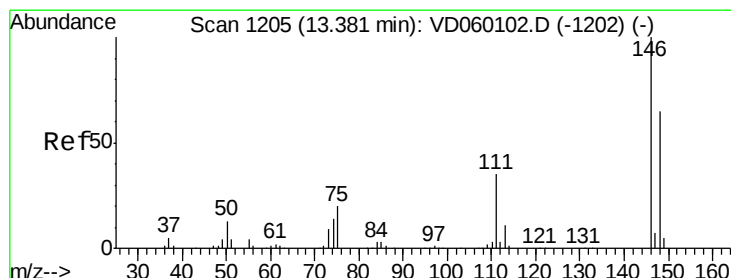
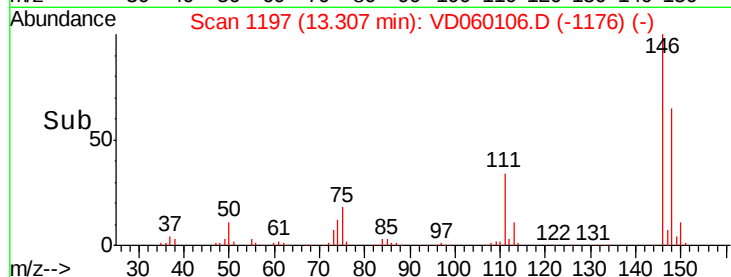
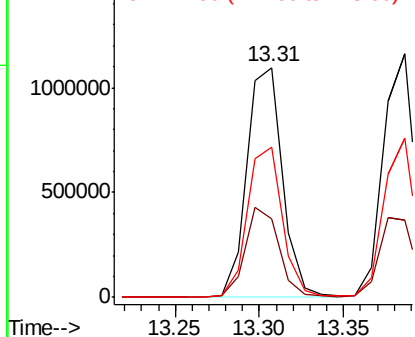


Abundance

Ion 145.95 (145.65 to 146.65): V

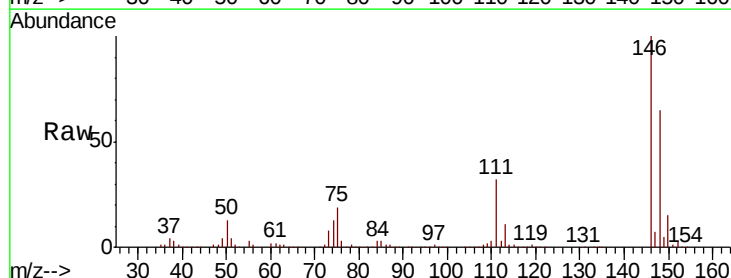
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 50.007 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.7	17.8	53.3
148	65.4	32.4	97.2

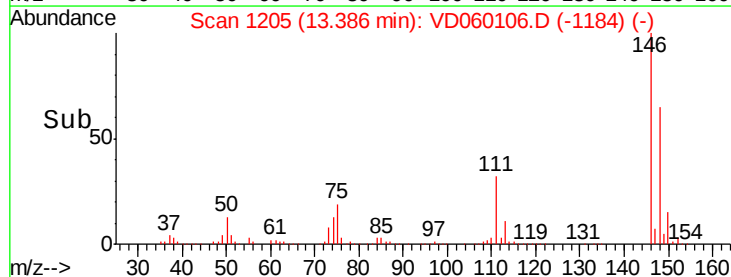
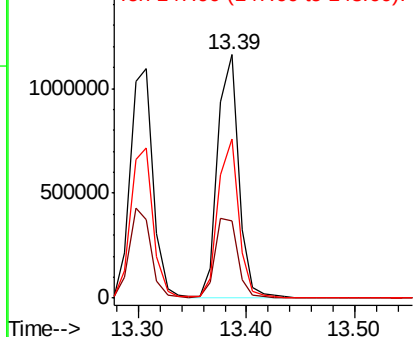


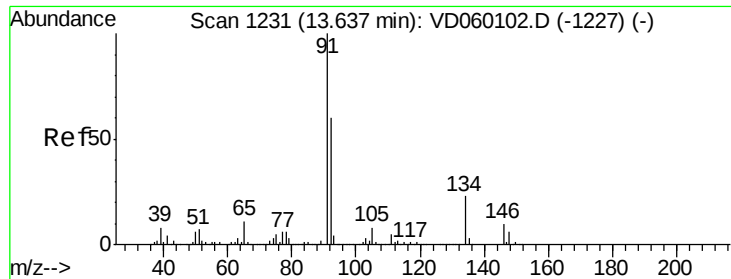
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





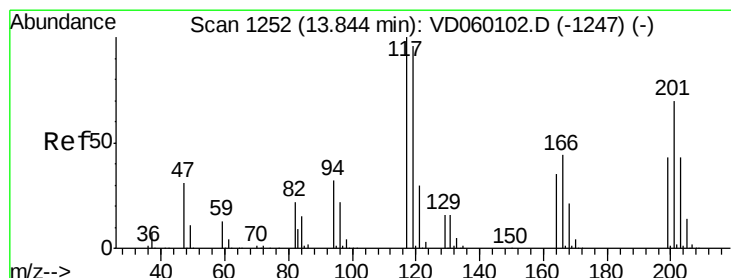
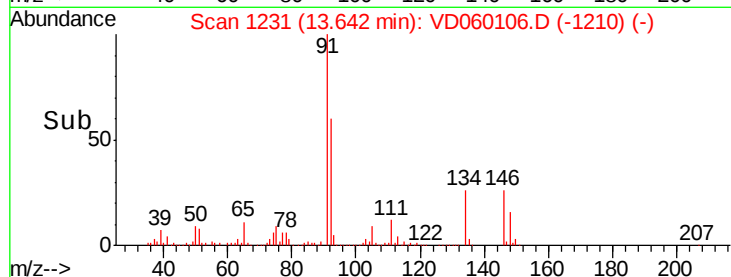
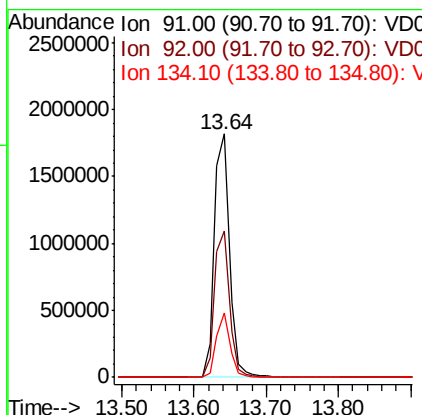
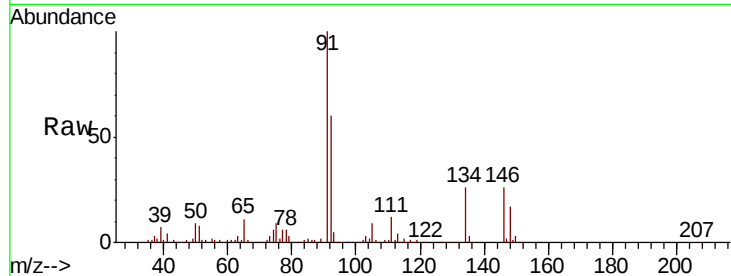
#89
n-Butylbenzene
Concen: 50.306 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion: 91 Resp: 2611725
Ion Ratio Lower Upper
91 100
92 60.1 30.1 90.3
134 26.5 11.6 34.7

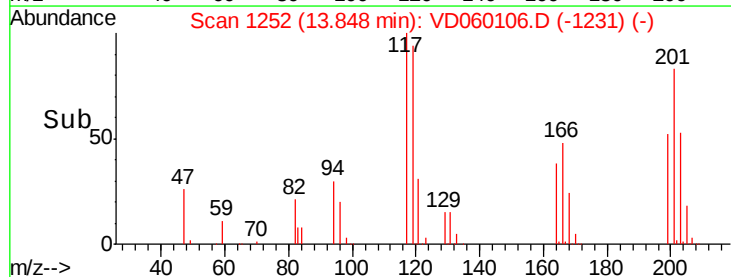
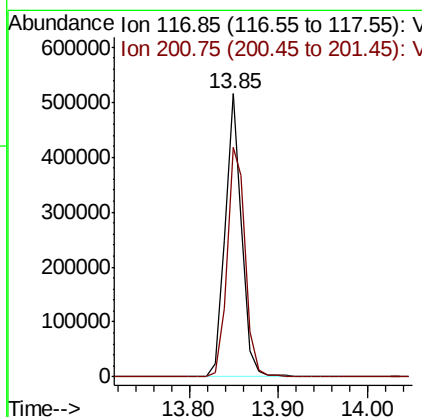
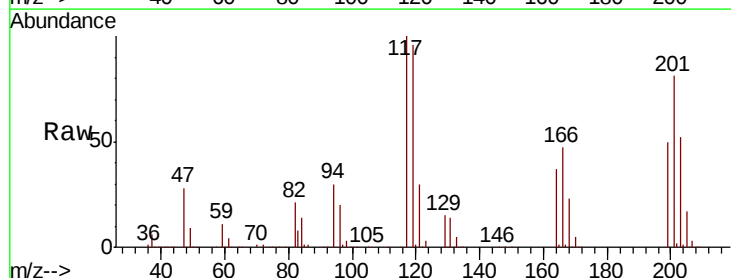
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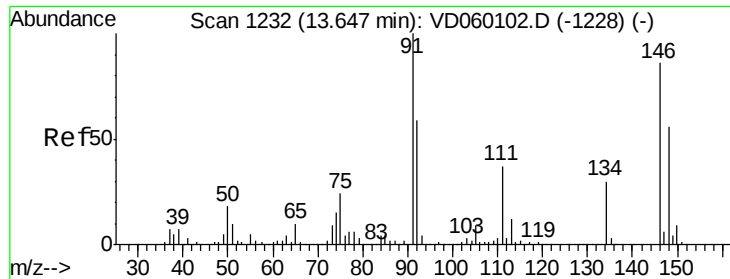
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#90
Hexachloroethane
Concen: 55.064 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion: 117 Resp: 678052
Ion Ratio Lower Upper
117 100
201 81.2 34.8 104.5





#91
 1,2-Dichlorobenzene
 Concen: 51.034 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

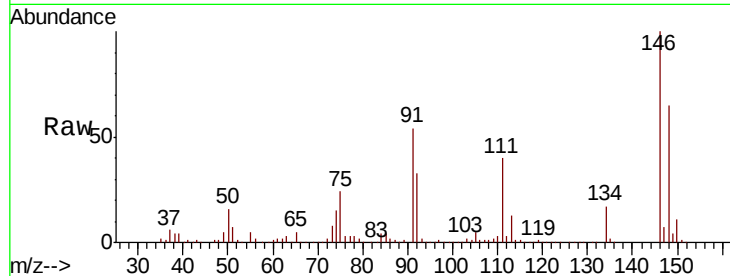
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100118

Tot Ion:146 Resp: 1342063

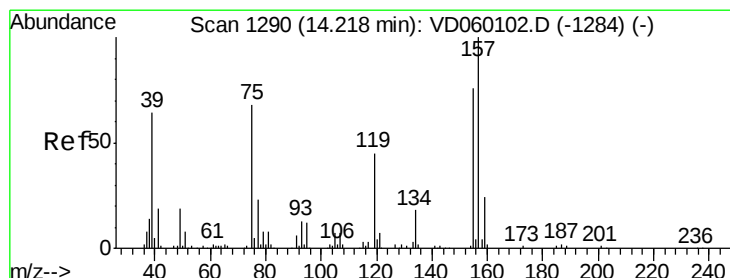
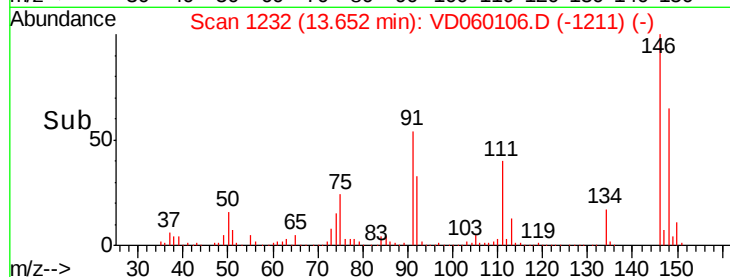
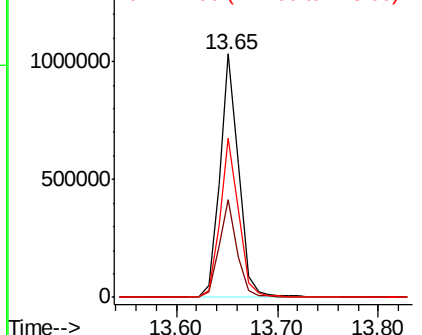
Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.4	64.3
148	65.3	32.2	96.6

Manual Integrations
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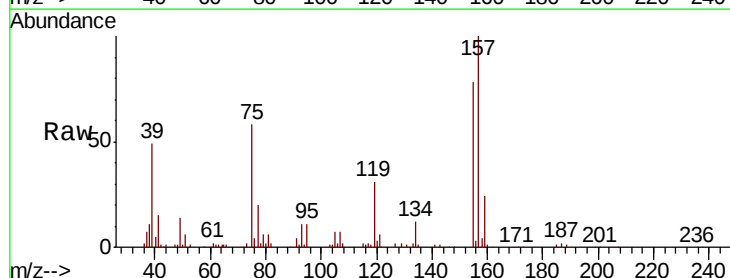
Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



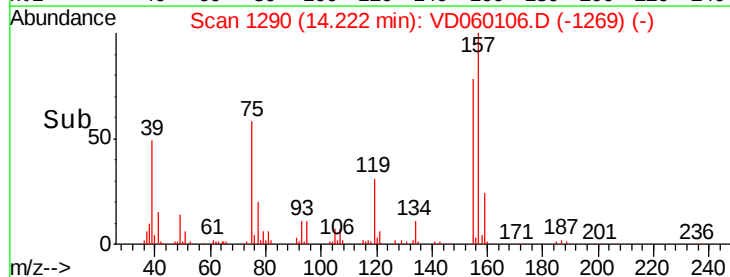
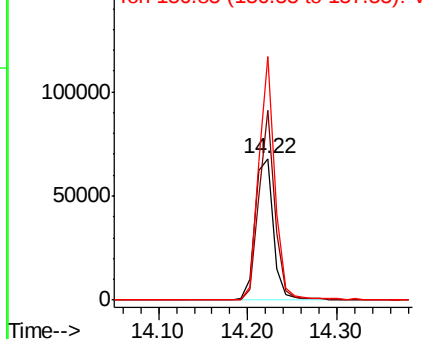
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.103 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

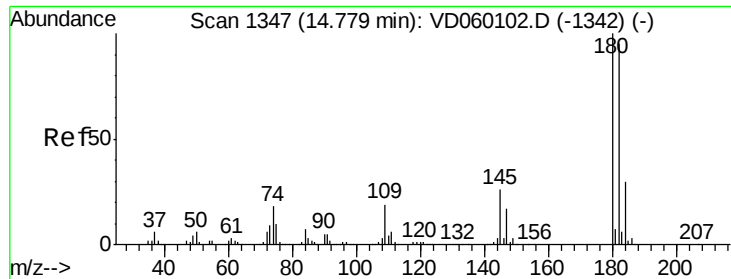
Tgt Ion: 75 Resp: 97422

Ion	Ratio	Lower	Upper
75	100		
155	133.5	55.9	167.7
157	171.7	73.3	219.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





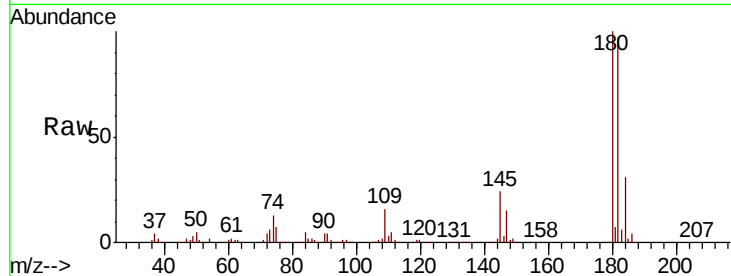
#93
 1,2,4-Trichlorobenzene
 Concen: 52.178 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100118

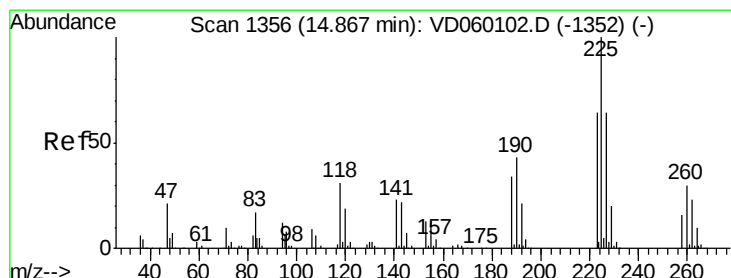
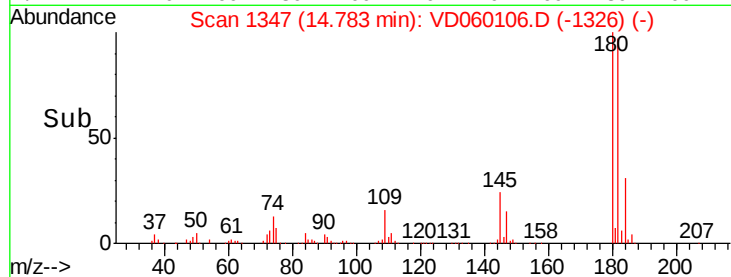
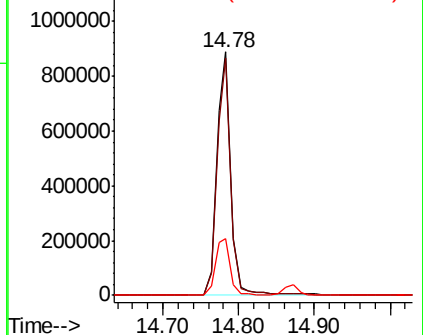
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.3	141.8
145	23.5	13.0	38.9

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:31:31 PM

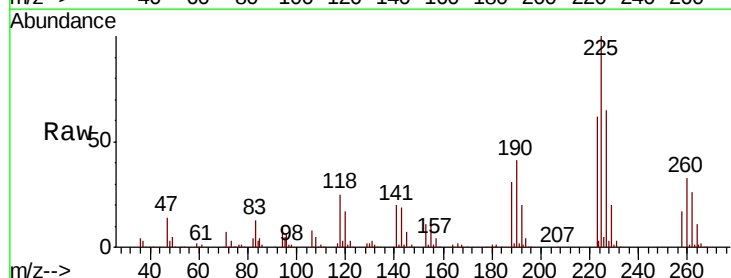


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

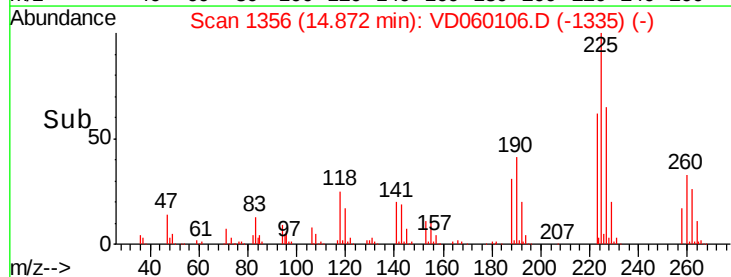
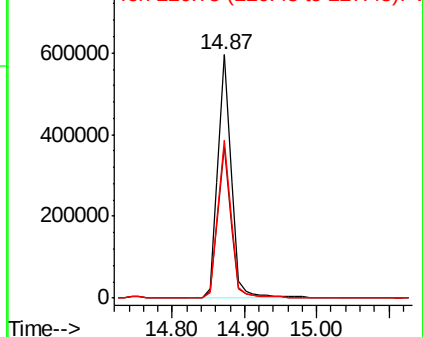


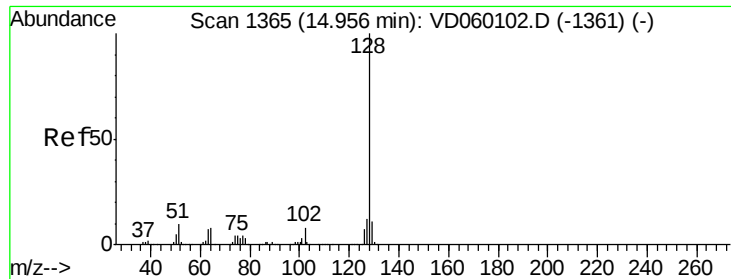
#94
 Hexachlorobutadiene
 Concen: 51.751 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD060106.D
 Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.8	95.4
227	64.8	32.0	96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





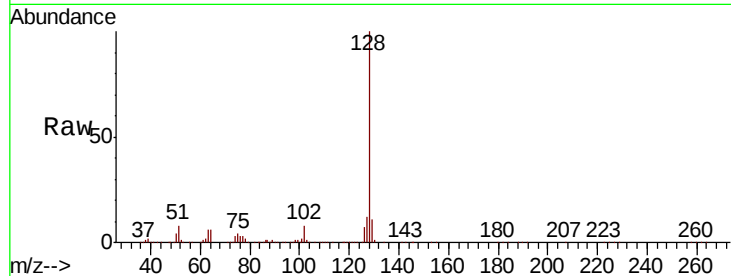
#95
Naphthalene
Concen: 51.637 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100118

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.9	14.9
129	11.1	8.8	13.2

Manual Integrations
APPROVED

apatel
10/2/2018 12:31:31 PM

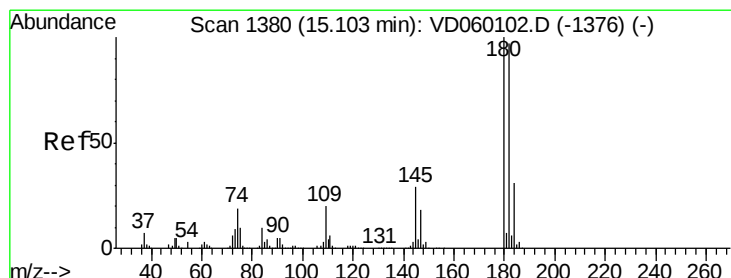
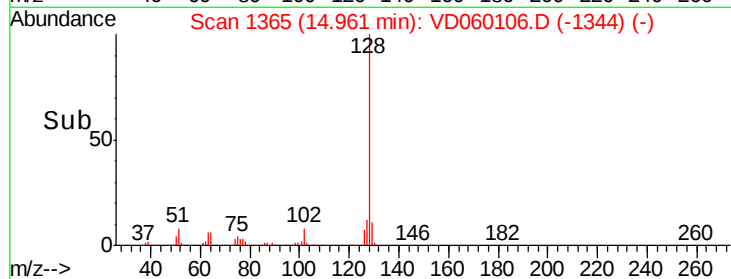
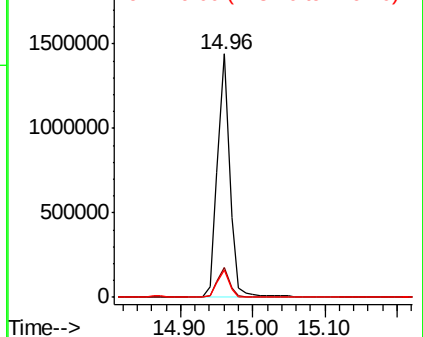


Abundance

Ion 128.00 (127.70 to 128.70): V

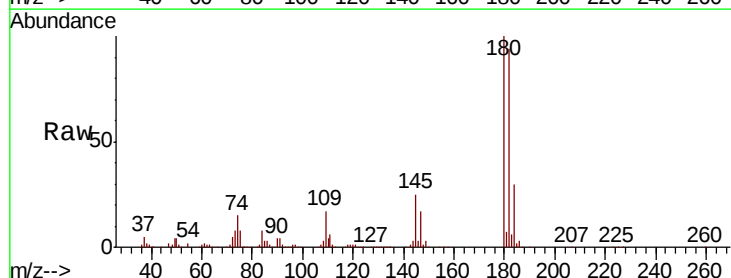
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.848 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060106.D
Acq: 1 Oct 2018 20:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.4	145.0
145	25.1	14.5	43.6



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

