

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058042.D
 Acq On : 9 Jun 2018 4:30
 Operator : VA/AP
 Sample : J3354-03MS
 Misc : 17.66g/5ml/MSVOA D/SOIL
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

Quant Time: Jun 09 05:44:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	251579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	391930	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	360949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	178206	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	219682	87.34	ug/l	0.00
Spiked Amount						
			Recovery	=	174.68%	
35) Dibromofluoromethane	5.54	113	193667	63.87	ug/l	-0.02
Spiked Amount						
			Recovery	=	127.74%	
50) Toluene-d8	8.70	98	377302	52.33	ug/l	0.00
Spiked Amount						
			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	11.92	95	183017	58.19	ug/l	0.00
Spiked Amount						
			Recovery	=	116.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	121497	35.98	ug/l	98
3) Chloromethane	1.49	50	88872	53.44	ug/l	95
4) Vinyl Chloride	1.57	62	68248	42.40	ug/l	99
5) Bromomethane	1.80	94	39190	62.12	ug/l	94
6) Chloroethane	1.89	64	39681	62.48	ug/l	# 87
7) Trichlorofluoromethane	2.10	101	101246	46.01	ug/l	94
8) Diethyl Ether	2.35	74	45223	110.63	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.56	101	62752	47.81	ug/l	96
10) Methyl Iodide	2.70	142	89627	52.92	ug/l	92
11) Tert butyl alcohol	3.26	59	52506	779.28	ug/l	100
12) 1,1-Dichloroethene	2.55	96	45155	44.75	ug/l	93
14) Allvl chloride	2.92	41	124401	53.45	ug/l	94
15) Acrylonitrile	3.36	53	269623	684.03	ug/l	99
16) Acetone	2.61	43	291139	803.44	ug/l	99
17) Carbon Disulfide	2.76	76	136817	37.43	ug/l	97
18) Methyl Acetate	2.93	43	133191	190.00	ug/l	# 88
19) Methyl tert-butyl Ether	3.41	73	482787	108.74	ug/l	99
20) Methylene Chloride	3.07	84	75887	74.04	ug/l	92
21) trans-1,2-Dichloroethene	3.39	96	103951	46.25	ug/l	86
22) Diisopropyl ether	4.07	45	806004	87.41	ug/l	97
23) Vinyl Acetate	4.02	43	2016020	423.15	ug/l	100
24) 1,1-Dichloroethane	3.97	63	324217	63.98	ug/l	98
25) 2-Butanone	4.82	43	564112	685.00	ug/l	98
26) 2,2-Dichloropropane	4.79	77	196059	46.96	ug/l	92
27) cis-1,2-Dichloroethene	4.80	96	170608	64.01	ug/l	94
28) Bromochloromethane	5.15	49	200114	91.23	ug/l	98
29) Tetrahydrofuran	5.18	42	303720	703.55	ug/l	99
30) Chloroform	5.32	83	368786	72.31	ug/l	99
31) Cyclohexane	5.59	56	176048	40.25	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	229343	53.70	ug/l	95
36) 1,1-Dichloropropene	5.74	75	160207	37.10	ug/l	98
37) Ethyl Acetate	4.91	43	261134	110.83	ug/l	97
38) Carbon Tetrachloride	5.72	117	173962	40.88	ug/l	94
39) Methylcyclohexane	7.28	83	139575	32.61	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.01	78	585719	58.07	ug/l	99
41) Methacrylonitrile	5.12	41	134553	124.90	ug/l	94
42) 1,2-Dichloroethane	6.12	62	325254	79.75	ug/l	96
43) Isopropyl Acetate	7.61	43	332456	107.73	ug/l #	99
44) Trichloroethene	6.97	130	127116	43.14	ug/l	97
45) 1,2-Dichloropropane	7.33	63	188837	67.36	ug/l	96
46) Dibromomethane	7.45	93	144388	80.17	ug/l	96
47) Bromodichloromethane	7.74	83	291780	69.19	ug/l	97
48) Methyl methacrylate	7.49	41	199968	105.27	ug/l	96
49) 1,4-Dioxane	7.48	88	39510	2510.82	ug/l #	86
51) 4-Methyl-2-Pentanone	8.58	43	1171439	591.79	ug/l	98
52) Toluene	8.79	92	310029	53.55	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	245369	67.54	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	265903	62.12	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	169159	90.29	ug/l	96
56) Ethyl methacrylate	9.30	69	233367	101.54	ug/l	92
57) 1,3-Dichloropropane	9.66	76	289411	88.07	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.18	63	565987	487.44	ug/l	100
59) 2-Hexanone	9.78	43	795136	548.13	ug/l	98
60) Dibromochloromethane	9.95	129	209206	79.18	ug/l	95
61) 1,2-Dibromoethane	10.08	107	180816	83.92	ug/l	96
64) Tetrachloroethene	9.50	164	123932	38.41	ug/l	97
65) Chlorobenzene	10.71	112	373596	51.13	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	168367	59.97	ug/l	99
67) Ethyl Benzene	10.85	91	611040	46.29	ug/l	98
68) m/p-Xylenes	11.01	106	410314	95.34	ug/l	92
69) o-Xylene	11.40	106	220068	51.52	ug/l	96
70) Stvrene	11.43	104	369945	52.31	ug/l	97
71) Bromoform	11.60	173	170201	80.59	ug/l	98
73) Isopropylbenzene	11.76	105	535783	45.39	ug/l	100
74) N-amyl acetate	11.64	43	360778	79.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	254595	98.93	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	247109	92.31	ug/l	99
77) Bromobenzene	12.03	156	192593	55.12	ug/l	99
78) n-propylbenzene	12.15	91	653566	42.55	ug/l	98
79) 2-Chlorotoluene	12.21	91	433208	49.44	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	445688	48.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	51488	77.66	ug/l	85
82) 4-Chlorotoluene	12.32	91	473940	56.00	ug/l	97
83) tert-Butylbenzene	12.57	119	498865	48.00	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	493391	49.85	ug/l	99
85) sec-Butylbenzene	12.75	105	490343	39.09	ug/l	99
86) p-Isopropyltoluene	12.88	119	413340	40.88	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	283487	47.97	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	280259	48.67	ug/l	99
89) n-Butylbenzene	13.19	91	370222	39.75	ug/l	97
90) Hexachloroethane	13.40	117	101719	39.42	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	296785	62.14	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	43235	108.86	ug/l #	47
93) 1,2,4-Trichlorobenzene	14.33	180	191779	42.98	ug/l	92

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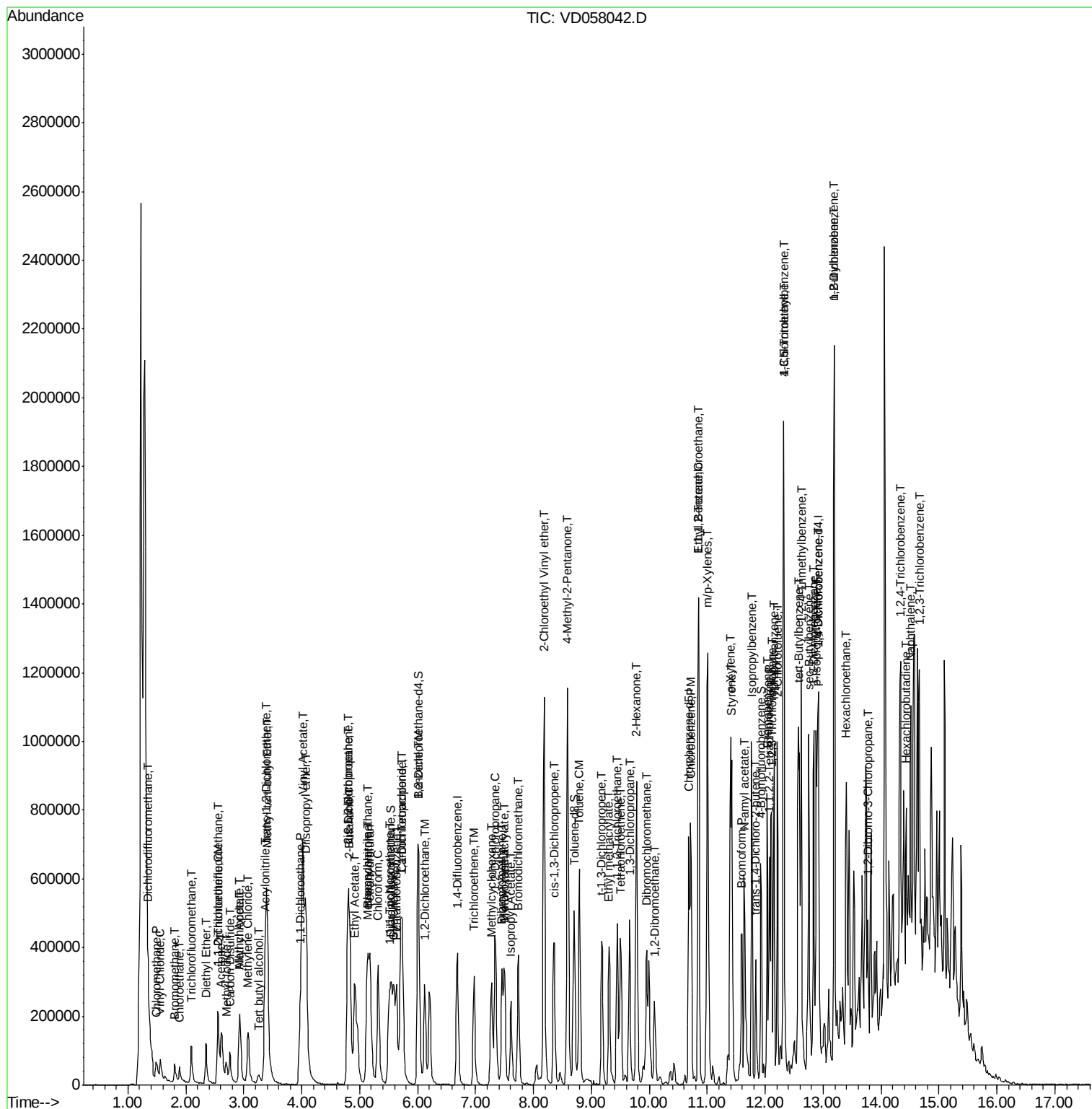
Instrument :
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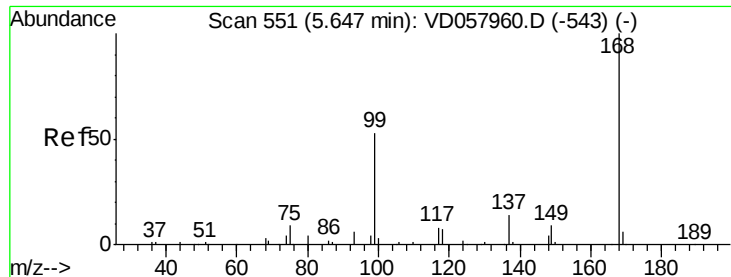
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.43	225	77719	22.14	ug/l	98
95) Naphthalene	14.51	128	395195	68.69	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	188947	49.69	ug/l #	83

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

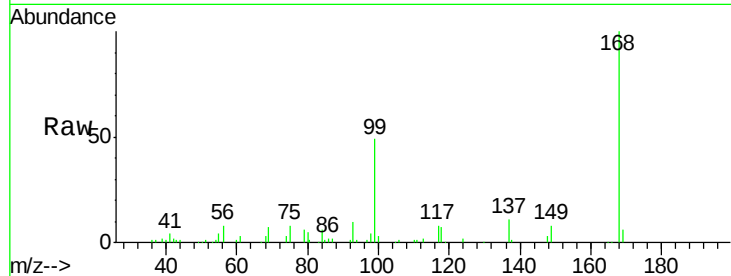
CAS1-SB-02-03-1-27MS

Tot Ion:168 Resp: 251579

Ion Ratio Lower Upper

168 100

99 49.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

100000

80000

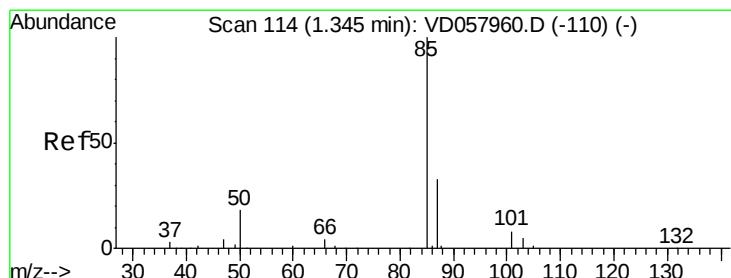
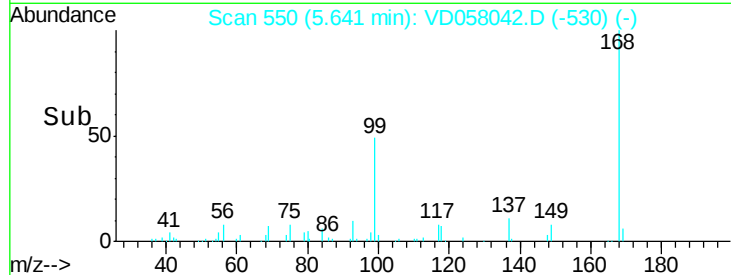
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 35.98 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD058042.D

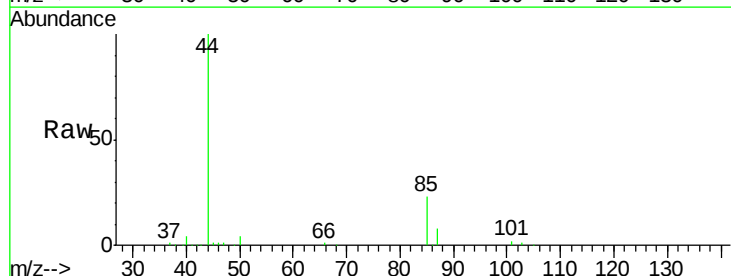
Acq: 9 Jun 2018 4:30

Tgt Ion: 85 Resp: 121497

Ion Ratio Lower Upper

85 100

87 34.0 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

60000

50000

40000

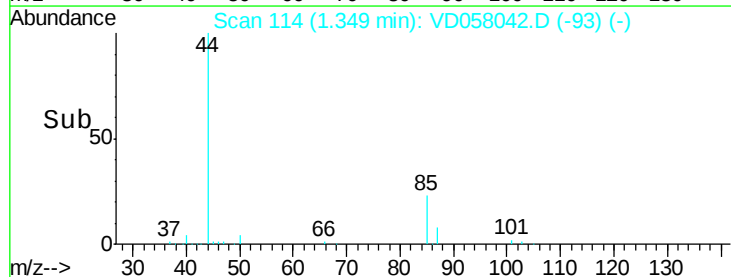
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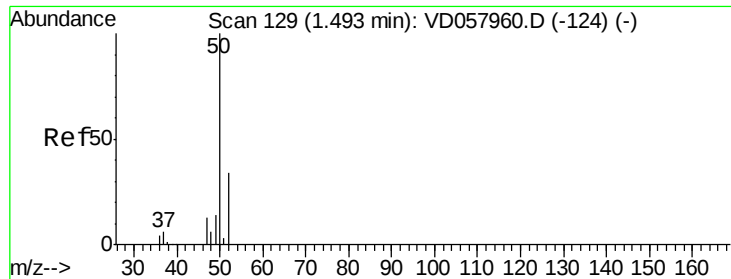
20000

10000

0

Time-->





#3

Chloromethane

Concen: 53.44 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

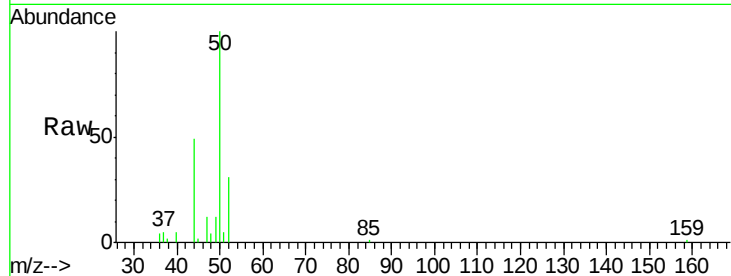
CAS1-SB-02-03-1-27MS

Tot Ion: 50 Resp: 88872

Ion Ratio Lower Upper

50 100

52 31.0 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.49

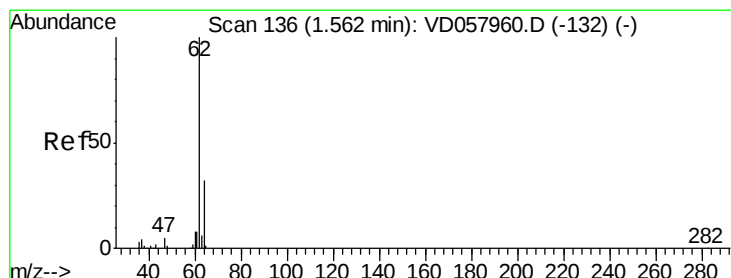
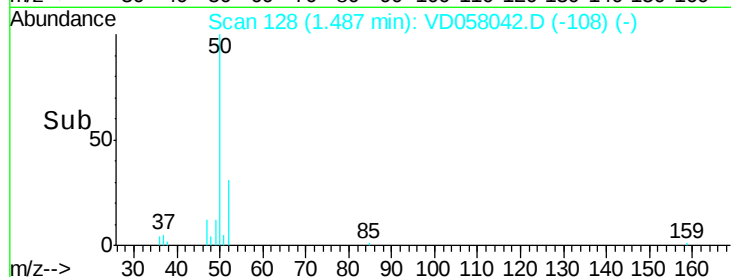
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 42.40 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD058042.D

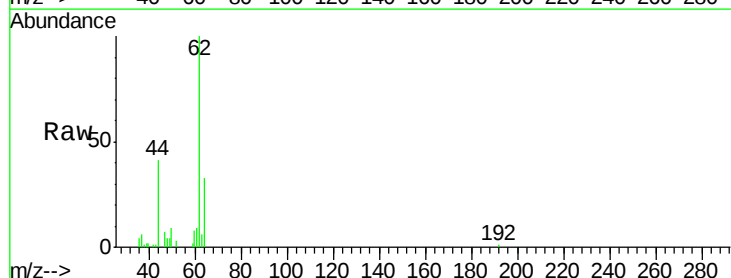
Acq: 9 Jun 2018 4:30

Tgt Ion: 62 Resp: 68248

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.57

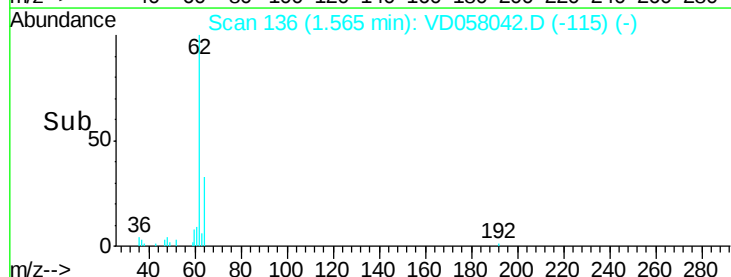
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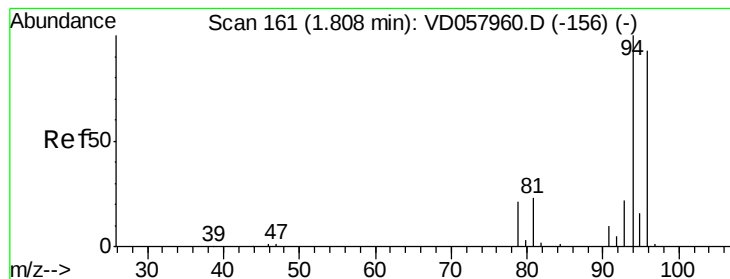
20000

10000

0

Time-->





#5

Bromomethane

Concen: 62.12 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

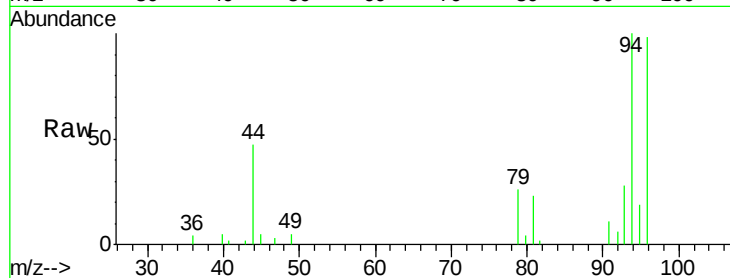
CAS1-SB-02-03-1-27MS

Tot Ion: 94 Resp: 39190

Ion Ratio Lower Upper

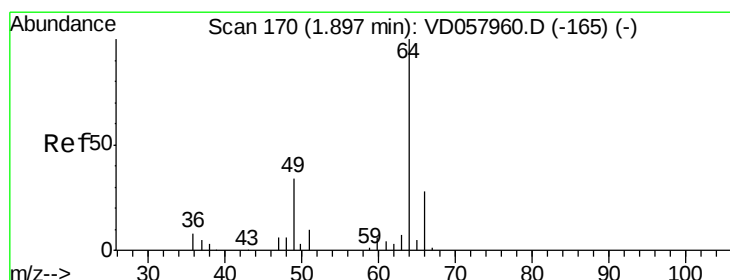
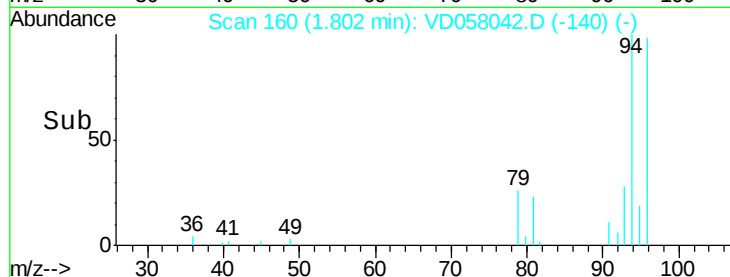
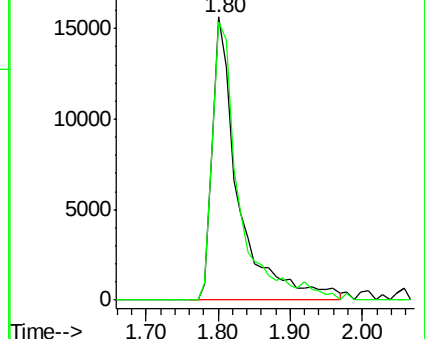
94 100

96 98.2 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 62.48 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD058042.D

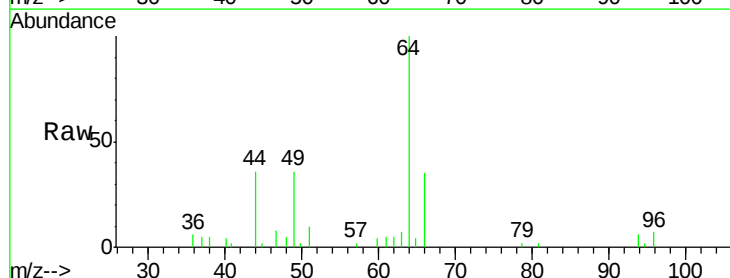
Acq: 9 Jun 2018 4:30

Tgt Ion: 64 Resp: 39681

Ion Ratio Lower Upper

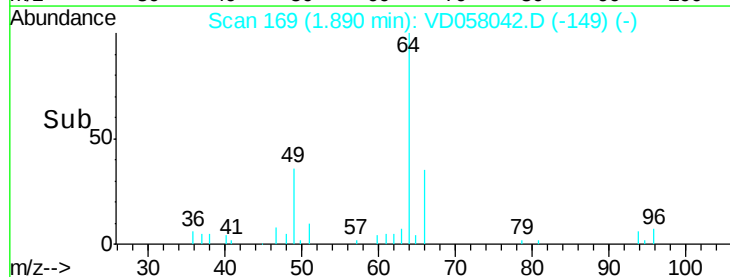
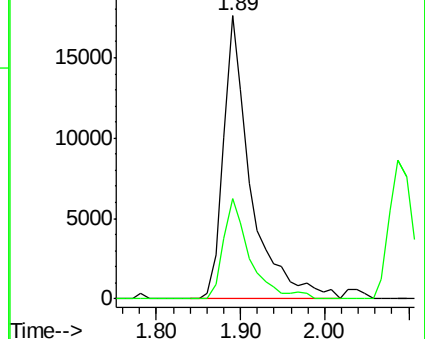
64 100

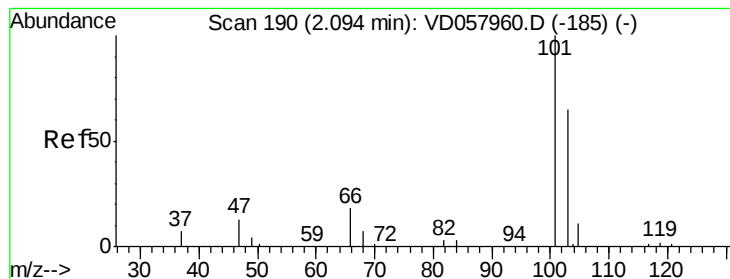
66 35.4 22.8 34.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 46.01 ug/l

RT: 2.10 min Scan# 190

Delta R.T. 0.00 min

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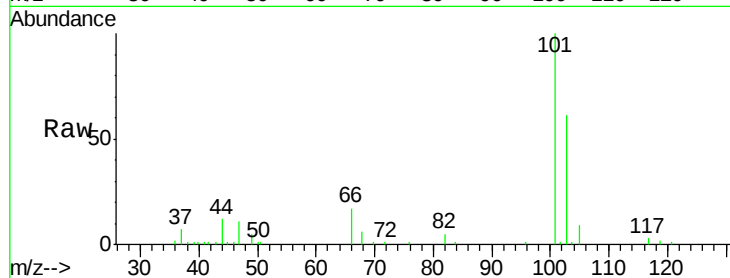
CAS1-SB-02-03-1-27MS

Tot Ion:101 Resp: 101246

Ion Ratio Lower Upper

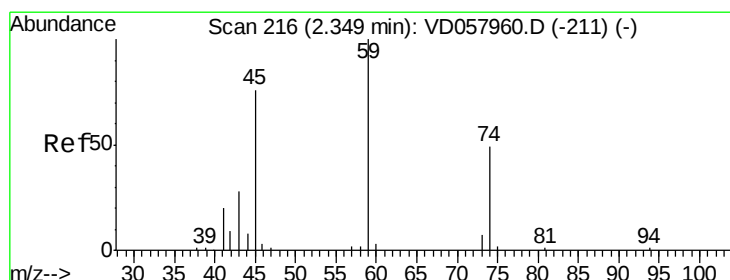
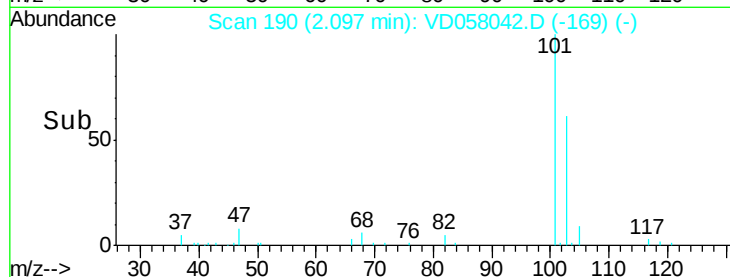
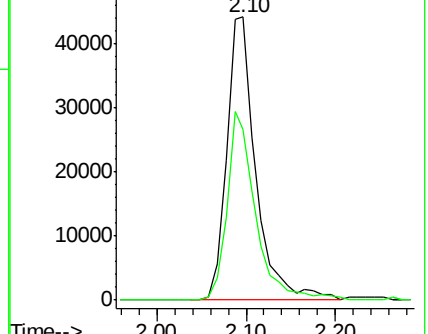
101 100

103 60.5 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 110.63 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.00 min

Lab File: VD058042.D

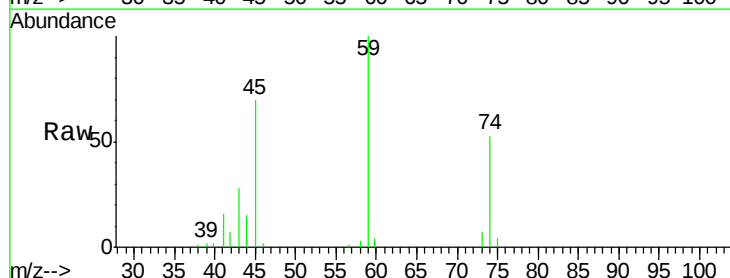
Acq: 9 Jun 2018 4:30

Tgt Ion: 74 Resp: 45223

Ion Ratio Lower Upper

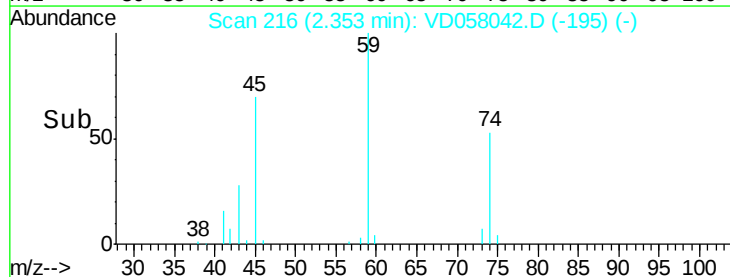
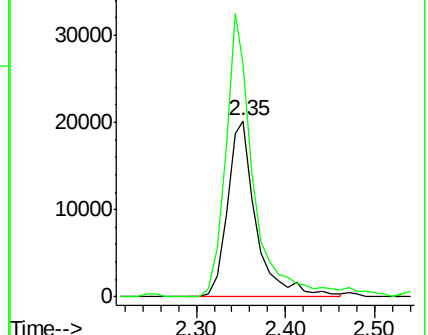
74 100

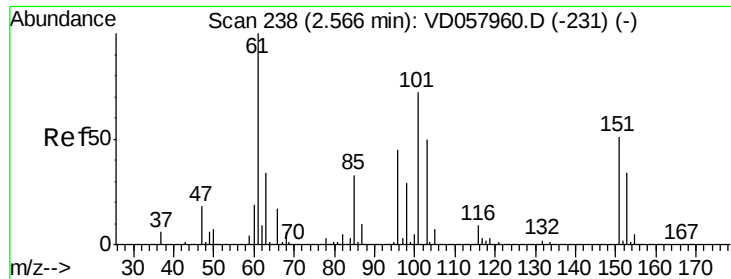
45 132.3 77.1 231.3



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: 47.81 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058042.D

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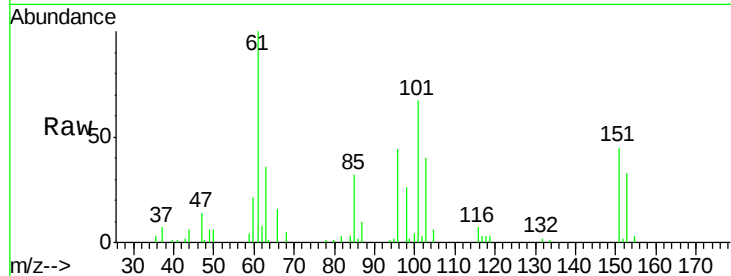
Tot Ion:101 Resp: 62752

Ion Ratio Lower Upper

101 100

85 48.2 37.3 55.9

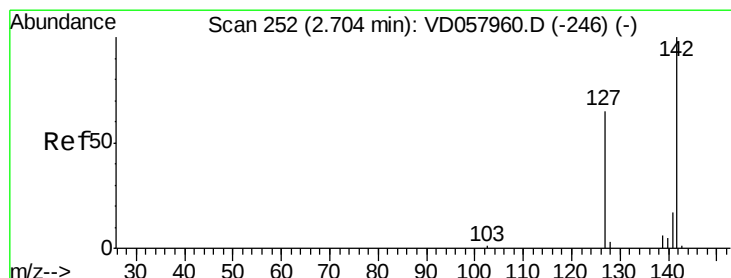
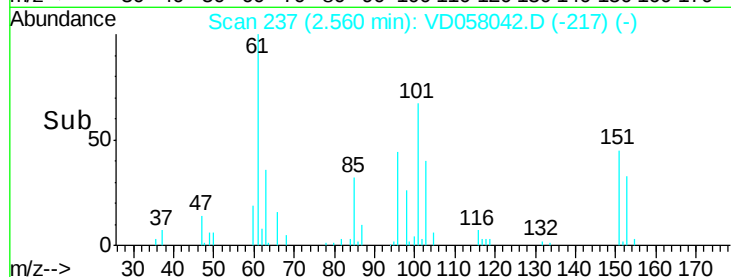
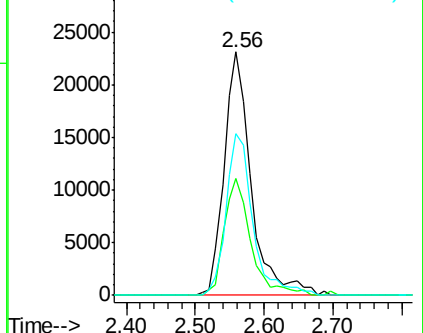
151 66.6 57.0 85.6



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: 52.92 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

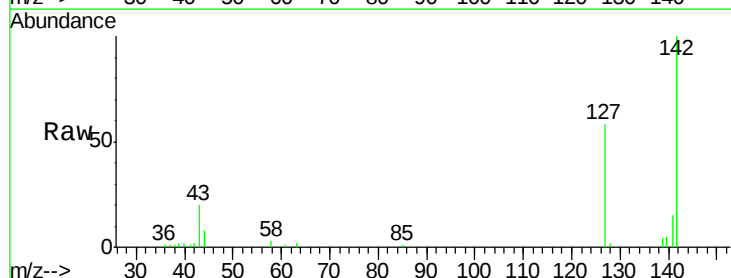
Tgt Ion:142 Resp: 89627

Ion Ratio Lower Upper

142 100

127 58.0 52.0 78.0

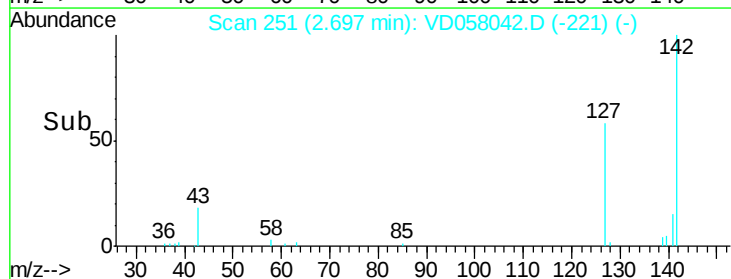
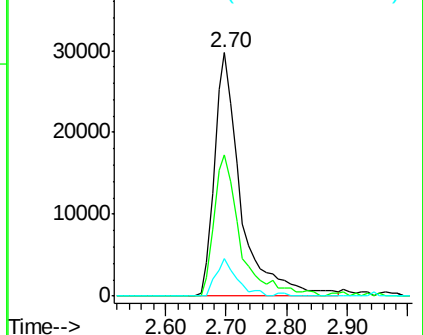
141 15.3 13.2 19.8

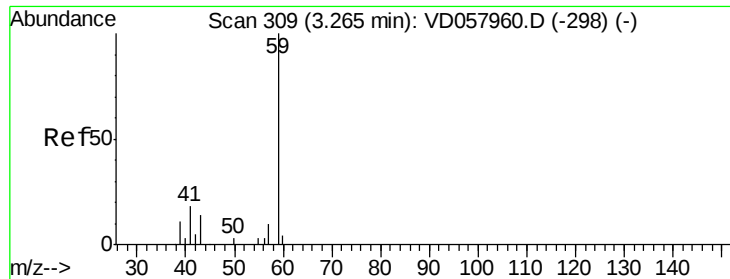


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

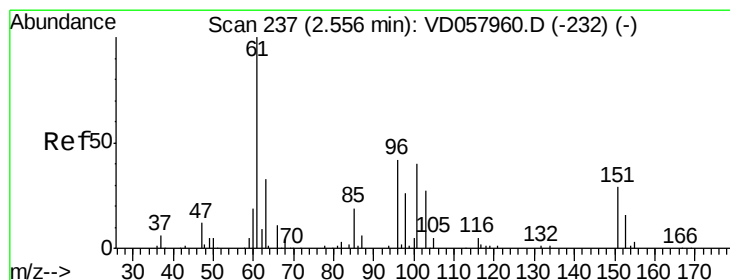
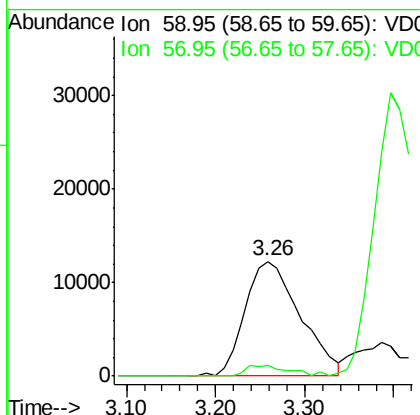
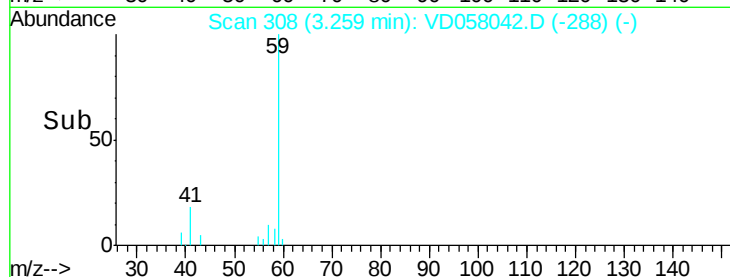
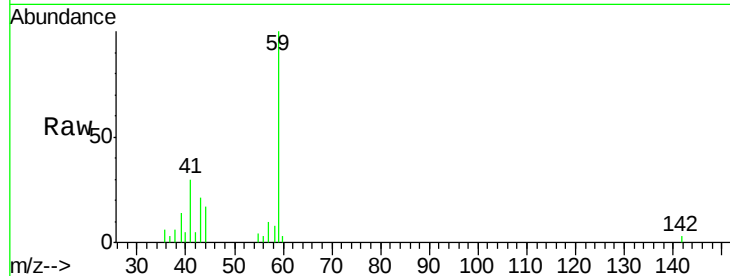




#11
Tert butyl alcohol
Concen: 779.28 ug/l
RT: 3.26 min Scan# 308
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

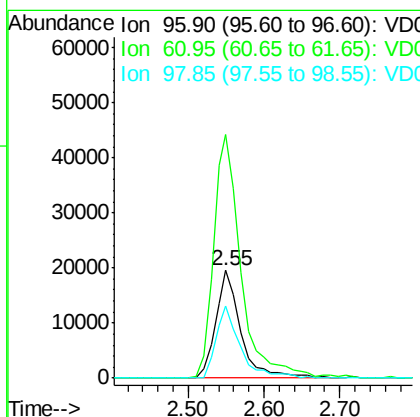
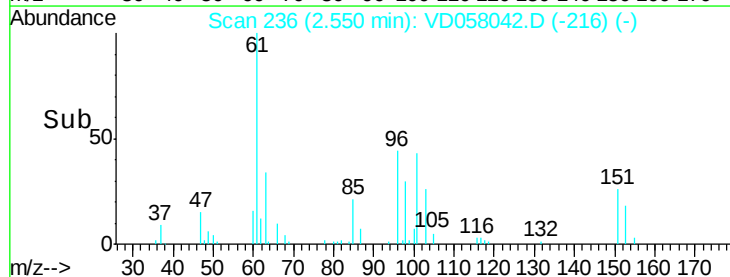
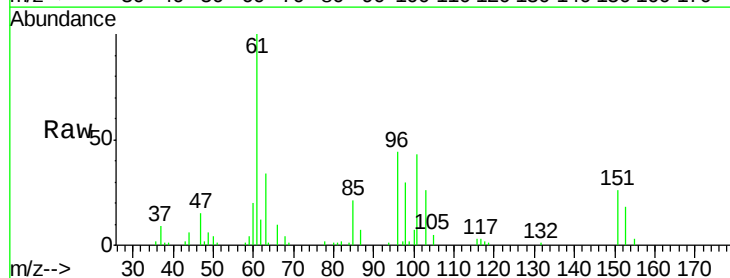
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

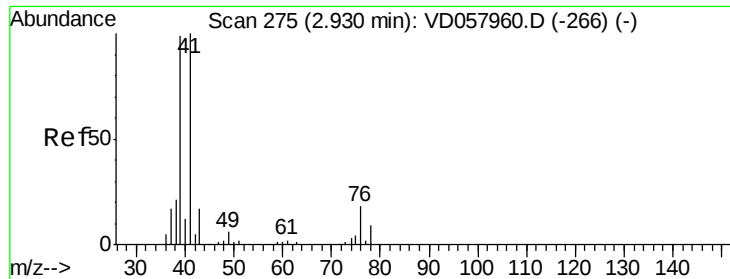
Tot Ion: 59 Resp: 52506
Ion Ratio Lower Upper
59 100
57 9.6 7.8 11.6



#12
1,1-Dichloroethene
Concen: 44.75 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 96 Resp: 45155
Ion Ratio Lower Upper
96 100
61 225.8 190.2 285.4
98 66.8 49.6 74.4





#14

Allvl chloride

Concen: 53.45 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

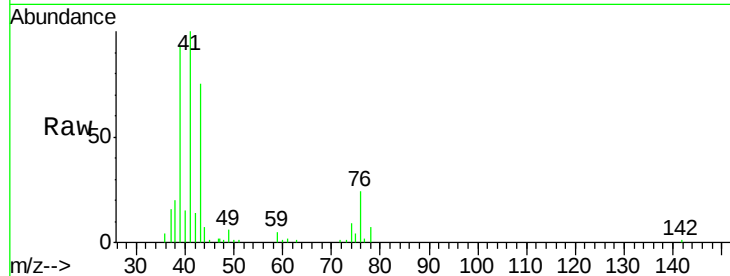
Tot Ion: 41 Resp: 124401

Ion Ratio Lower Upper

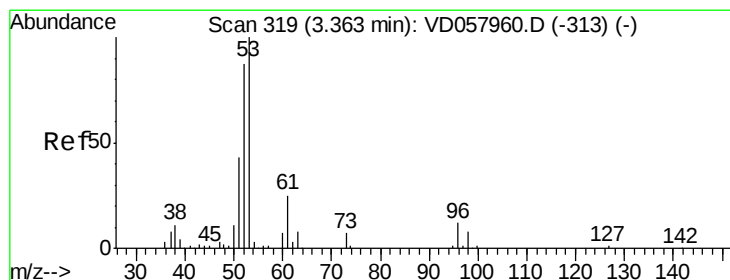
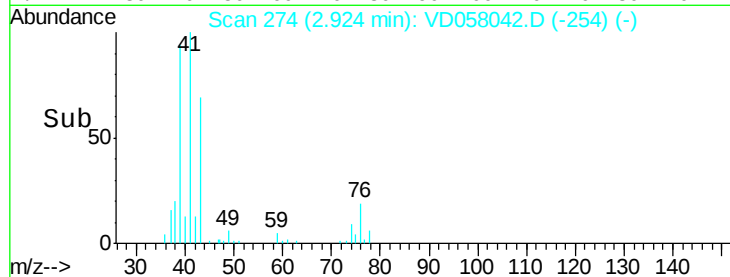
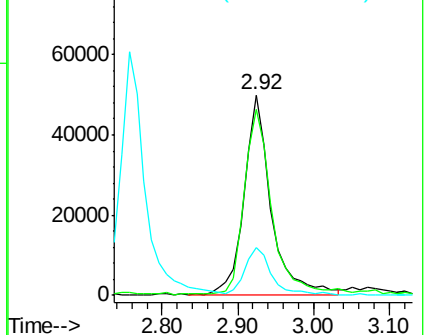
41 100

39 93.0 79.5 119.3

76 24.0 20.7 31.1



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC



#15

Acrylonitrile

Concen: 684.03 ug/l

RT: 3.36 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

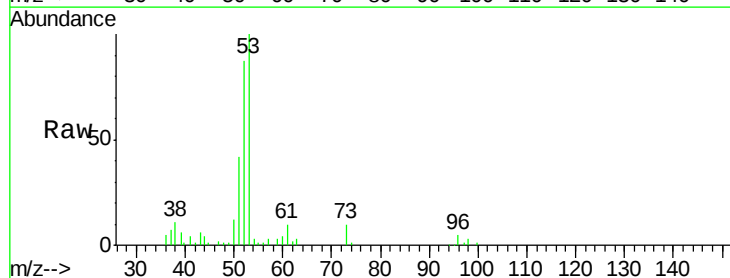
Tgt Ion: 53 Resp: 269623

Ion Ratio Lower Upper

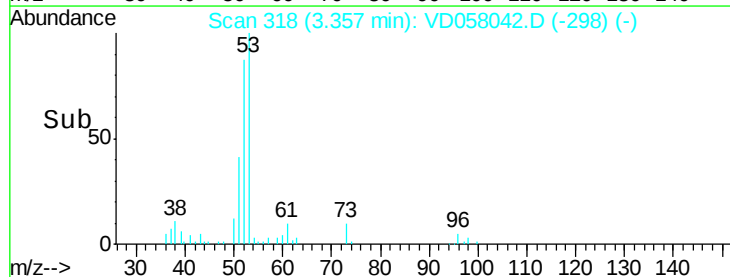
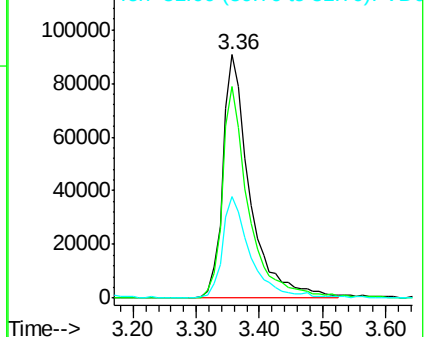
53 100

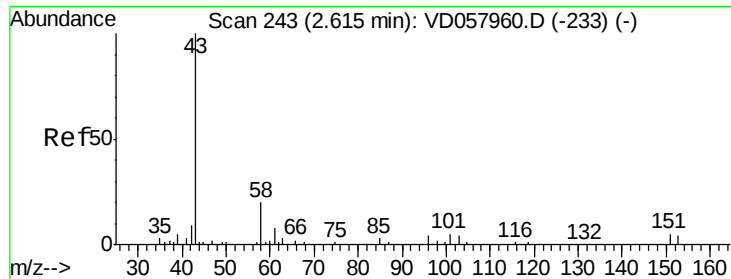
52 87.0 69.9 104.9

51 41.9 34.3 51.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC

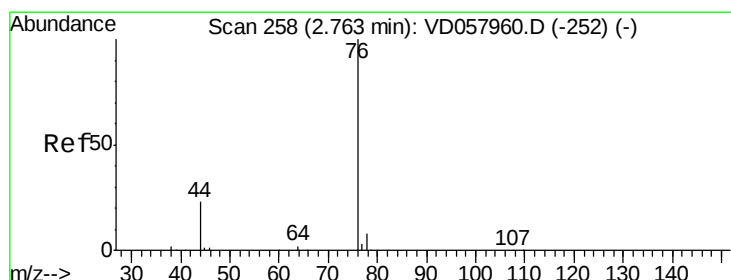
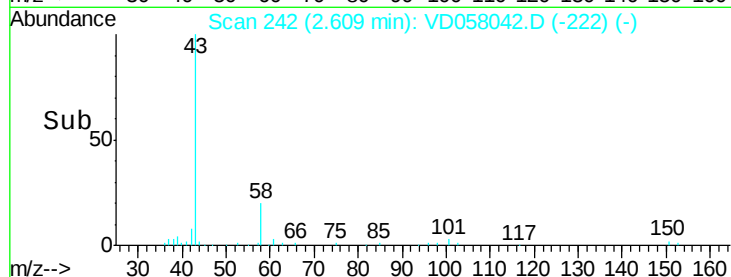
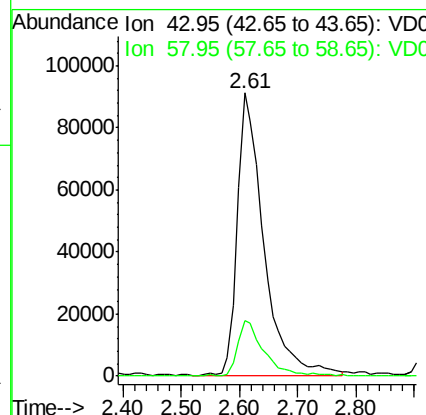
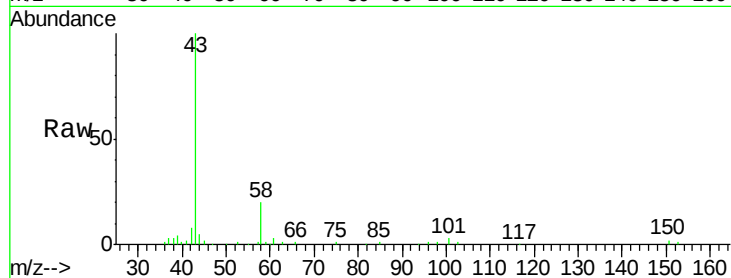




#16
Acetone
Concen: 803.44 ug/l
RT: 2.61 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

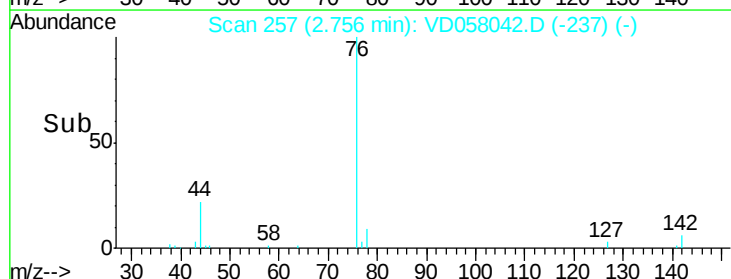
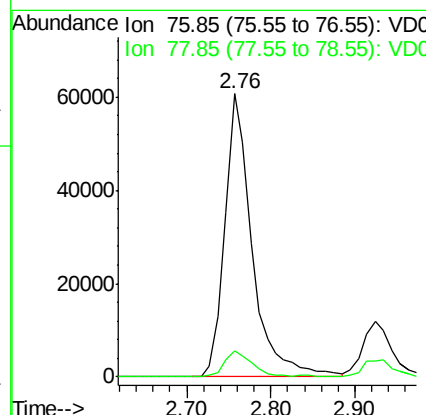
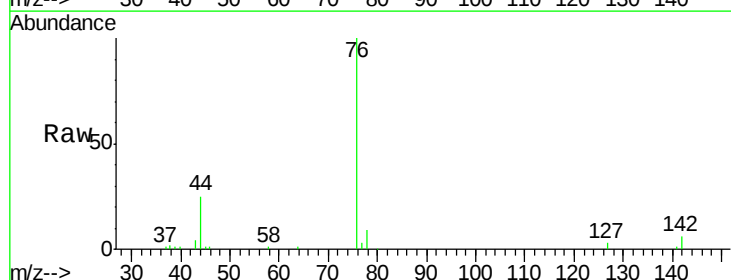
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

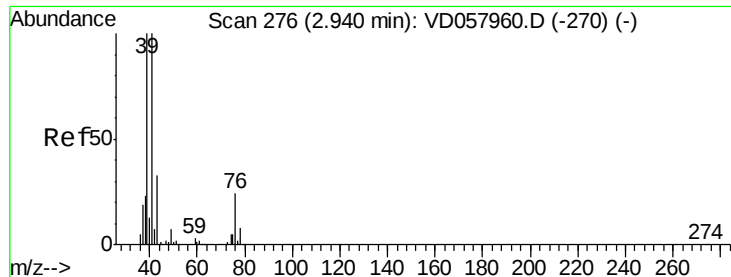
Tot Ion: 43 Resp: 291139
Ion Ratio Lower Upper
43 100
58 19.5 15.8 23.8



#17
Carbon Disulfide
Concen: 37.43 ug/l
RT: 2.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 76 Resp: 136817
Ion Ratio Lower Upper
76 100
78 9.4 6.7 10.1

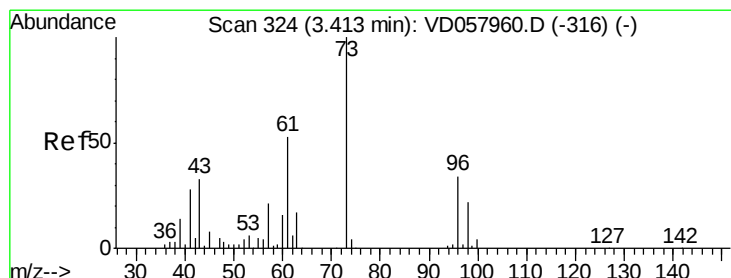
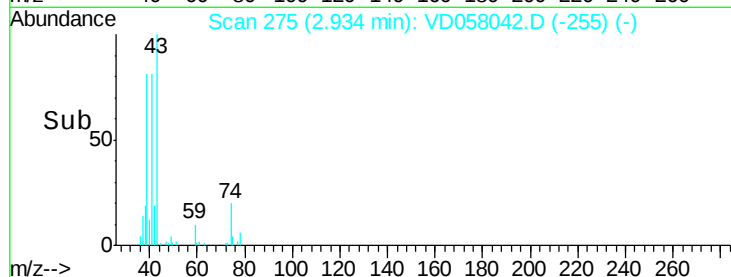
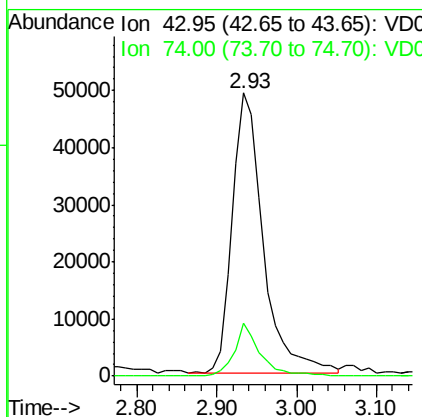
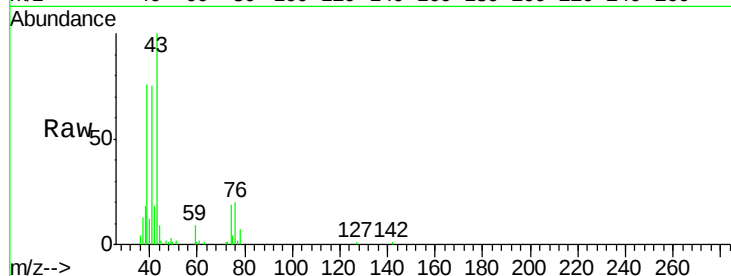




#18
Methvl Acetate
Concen: 190.00 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

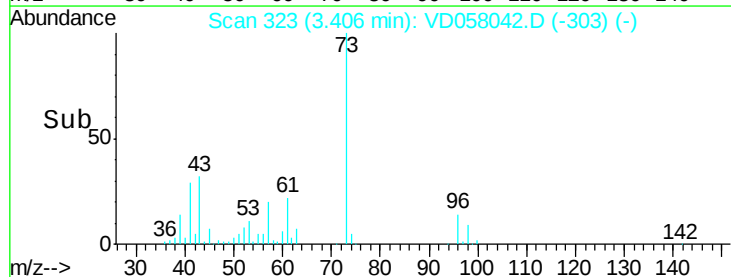
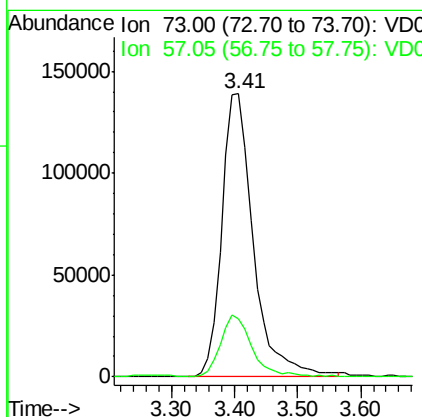
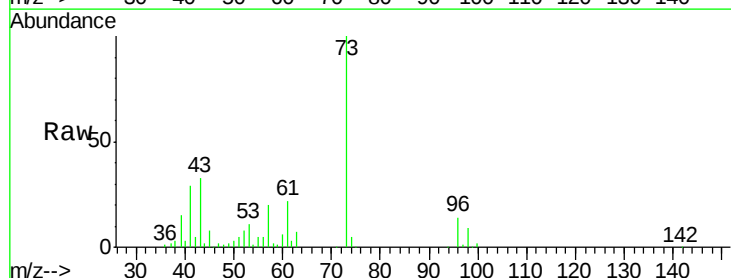
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

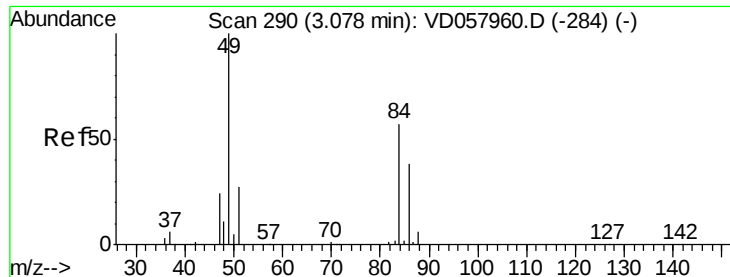
Tot Ion: 43 Resp: 133191
Ion Ratio Lower Upper
43 100
74 18.9 11.2 16.8#



#19
Methyl tert-butyl Ether
Concen: 108.74 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 73 Resp: 482787
Ion Ratio Lower Upper
73 100
57 20.5 16.7 25.1

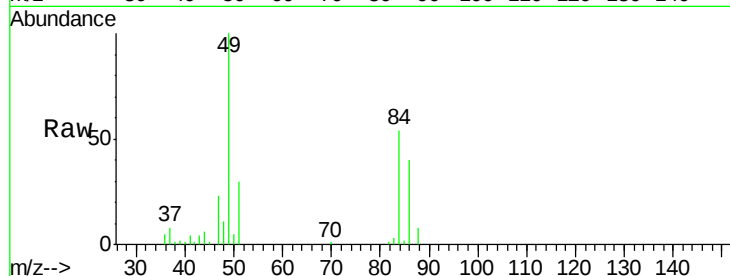




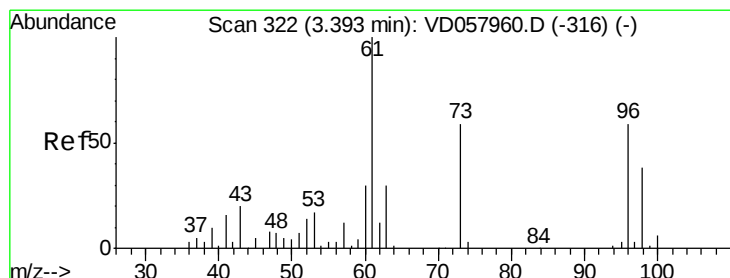
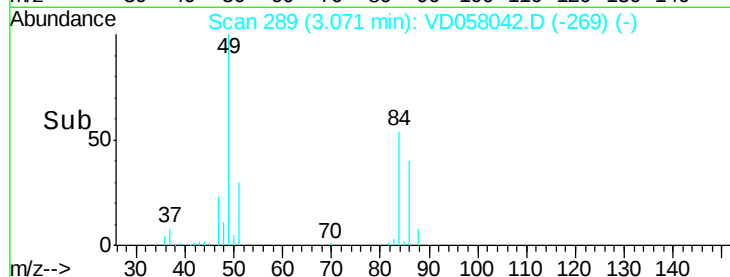
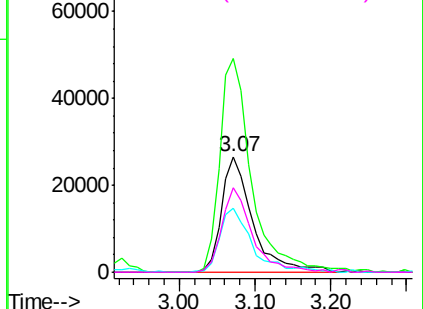
#20
Methylene Chloride
Concen: 74.04 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

Tot Ion: 84 Resp: 75887
Ion Ratio Lower Upper
84 100
49 185.3 141.4 212.0
51 55.1 38.3 57.5
86 73.8 52.9 79.3

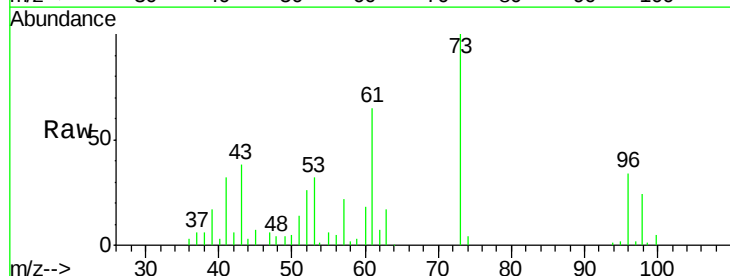


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

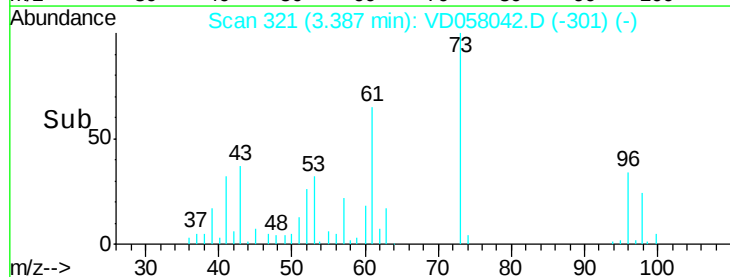
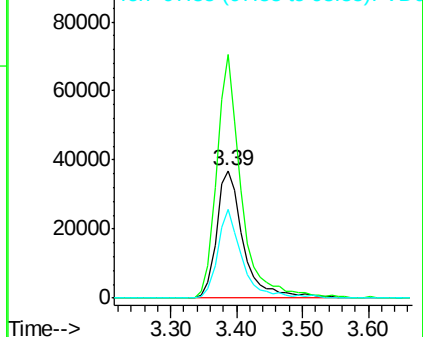


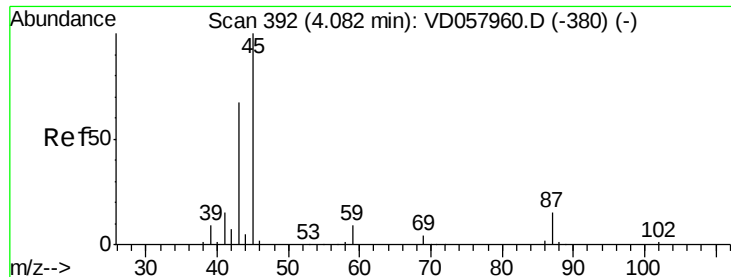
#21
trans-1,2-Dichloroethene
Concen: 46.25 ug/l
RT: 3.39 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 96 Resp: 103951
Ion Ratio Lower Upper
96 100
61 191.4 135.2 202.8
98 69.9 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



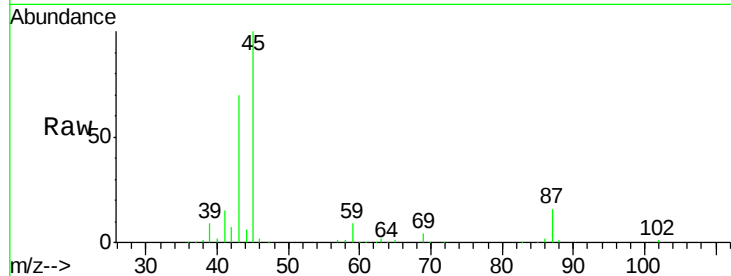


#22

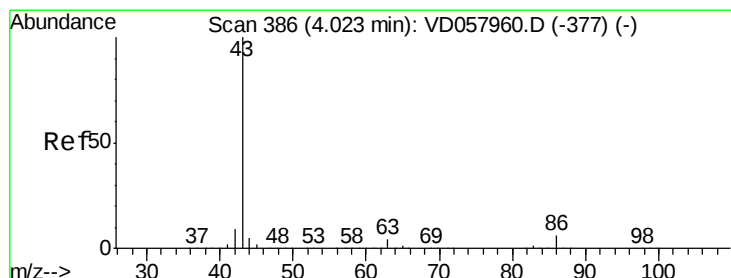
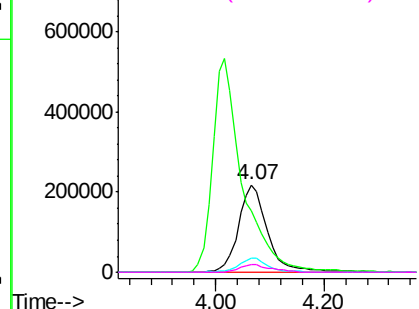
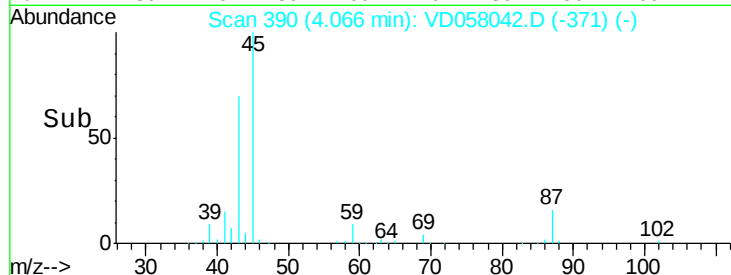
Diisopropyl ether
 Concen: 87.41 ug/l
 RT: 4.07 min Scan# 390
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

Tot Ion:	45	Resp:	806004
Ion	Ratio	Lower	Upper
45	100		
43	70.4	53.8	80.8
87	15.9	12.5	18.7
59	8.7	7.3	10.9



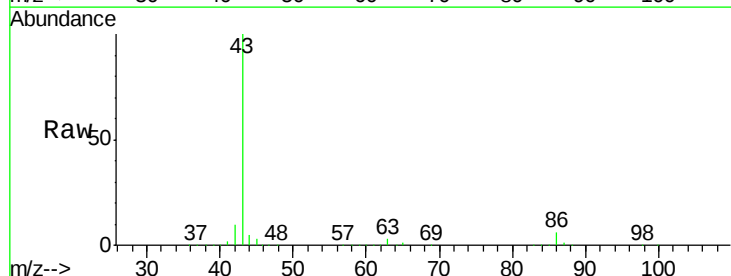
Abundance Ion 45.05 (44.75 to 45.75): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 87.00 (86.70 to 87.70): VDC
 Ion 58.95 (58.65 to 59.65): VDC



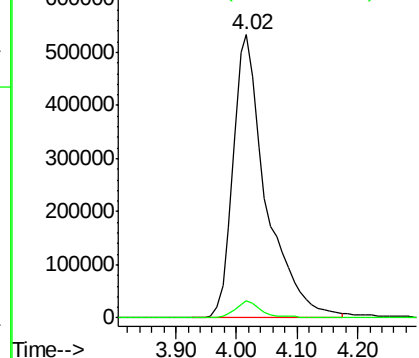
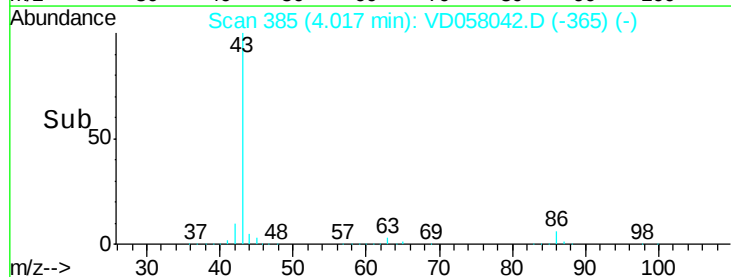
#23

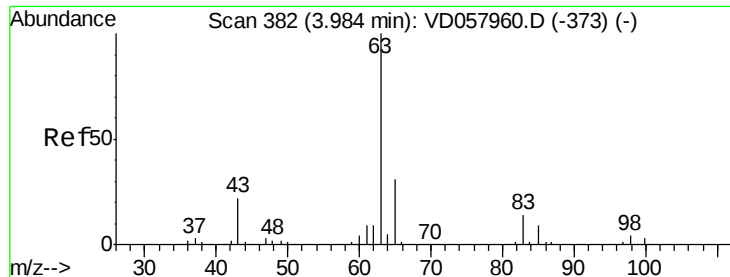
Vinyl Acetate
 Concen: 423.15 ug/l
 RT: 4.02 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion:	43	Resp:	2016020
Ion	Ratio	Lower	Upper
43	100		
86	6.0	4.7	7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 63.98 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

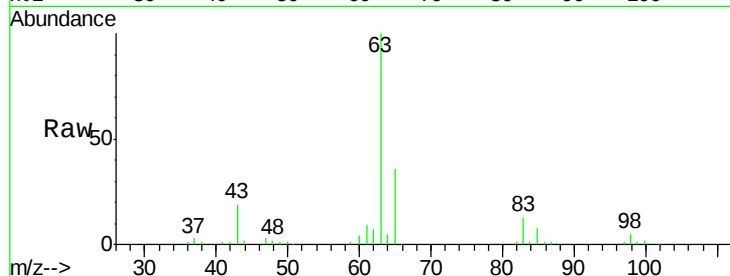
Tot Ion: 63 Resp: 324217

Ion Ratio Lower Upper

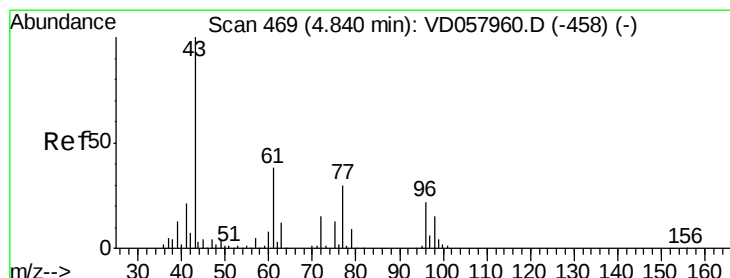
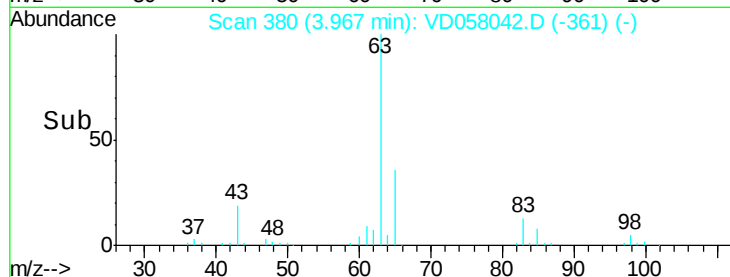
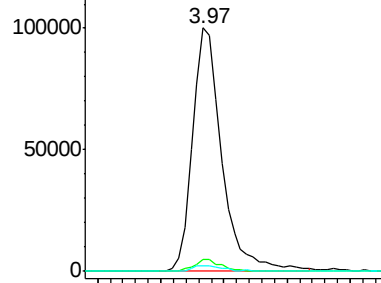
63 100

98 4.9 2.0 5.8

100 2.3 1.4 4.2



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 685.00 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD058042.D

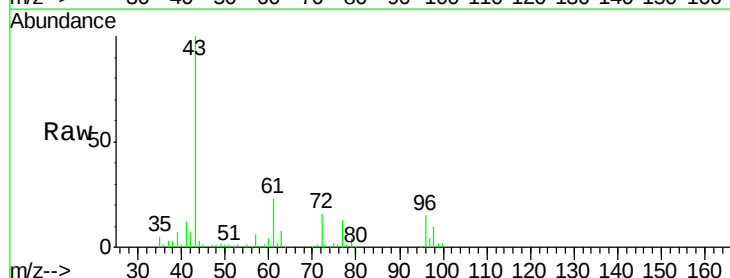
Acq: 9 Jun 2018 4:30

Tgt Ion: 43 Resp: 564112

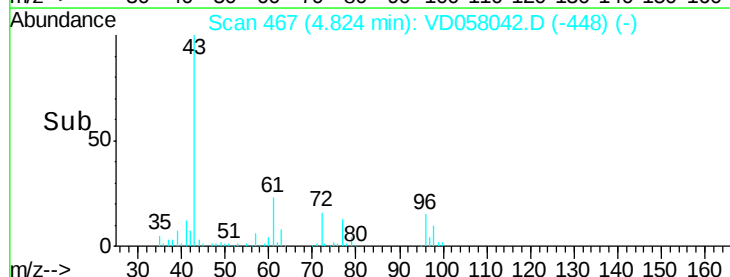
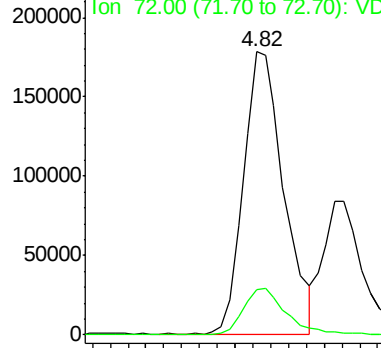
Ion Ratio Lower Upper

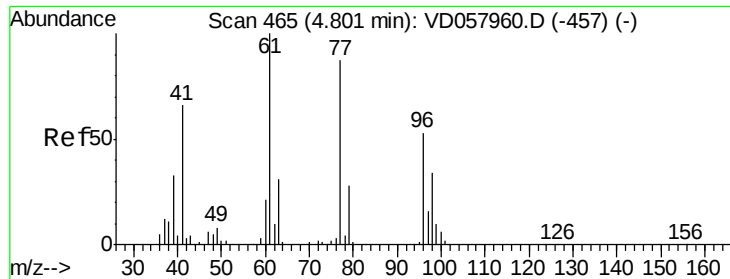
43 100

72 15.8 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

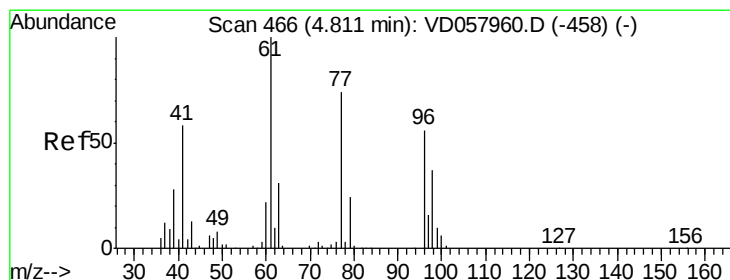
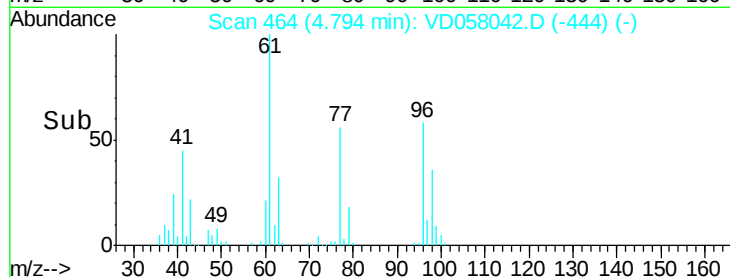
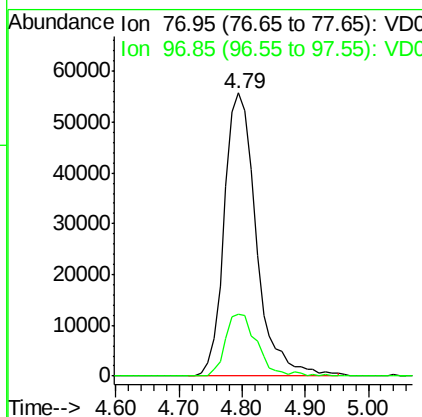
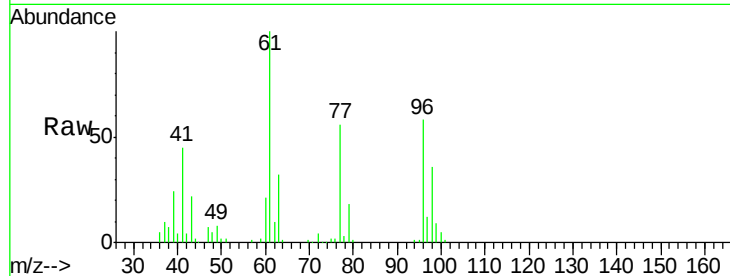




#26
 2,2-Dichloropropane
 Concen: 46.96 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

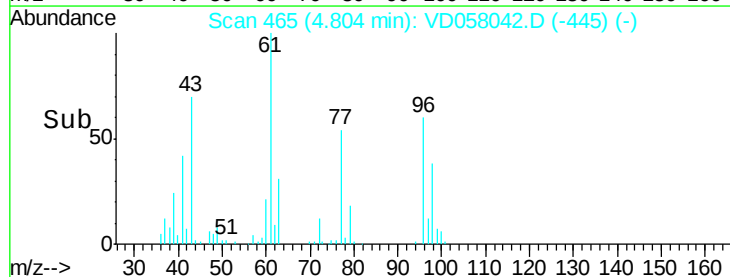
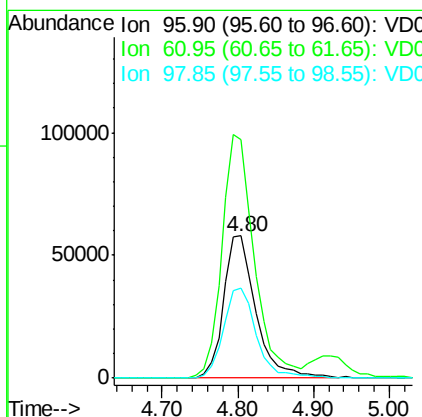
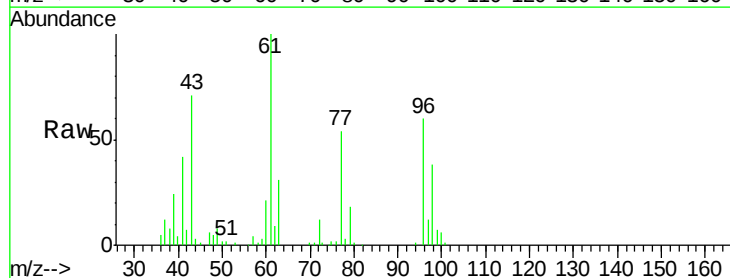
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

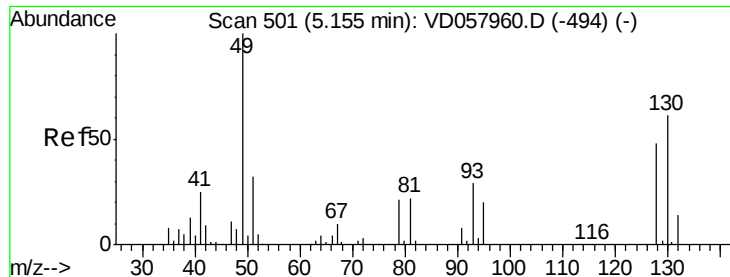
Tot Ion: 77 Resp: 196059
 Ion Ratio Lower Upper
 77 100
 97 22.1 9.2 27.6



#27
 cis-1,2-Dichloroethene
 Concen: 64.01 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 96 Resp: 170608
 Ion Ratio Lower Upper
 96 100
 61 167.9 0.0 355.0
 98 63.3 0.0 129.6





#28

Bromochloromethane

Concen: 91.23 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

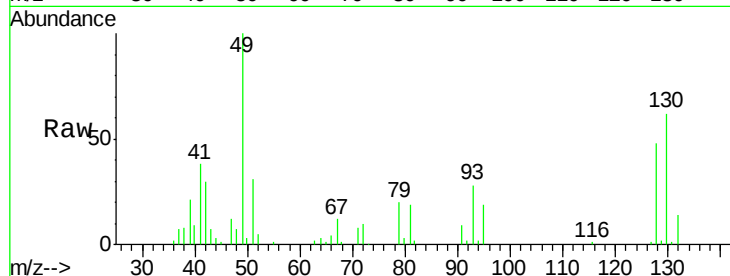
Tot Ion: 49 Resp: 200114

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.6

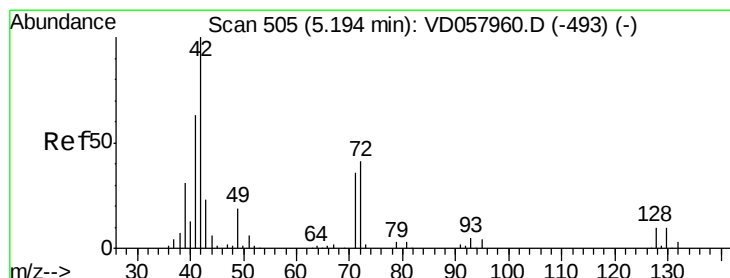
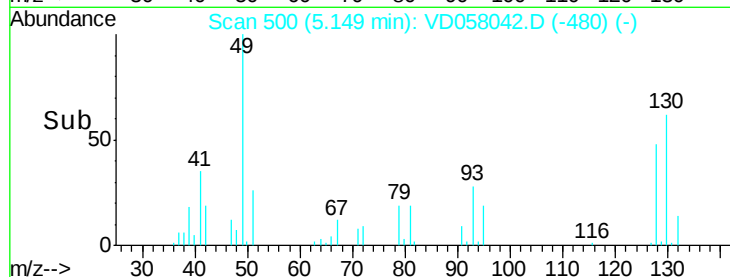
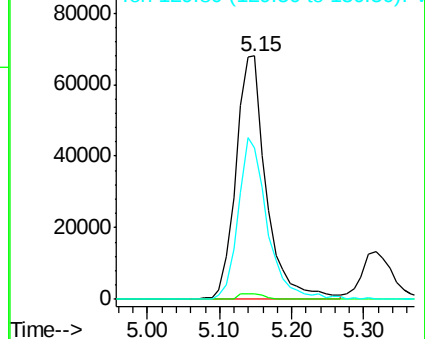
130 62.3 48.8 73.2



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 703.55 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

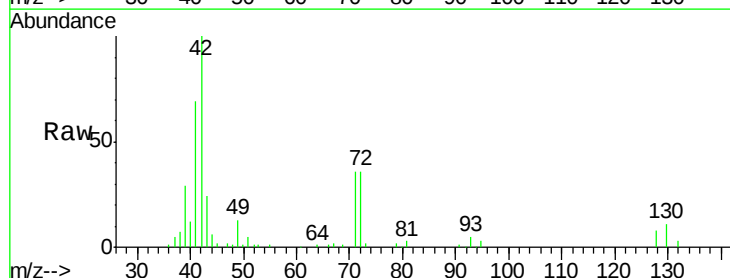
Tgt Ion: 42 Resp: 303720

Ion Ratio Lower Upper

42 100

72 34.6 28.5 42.7

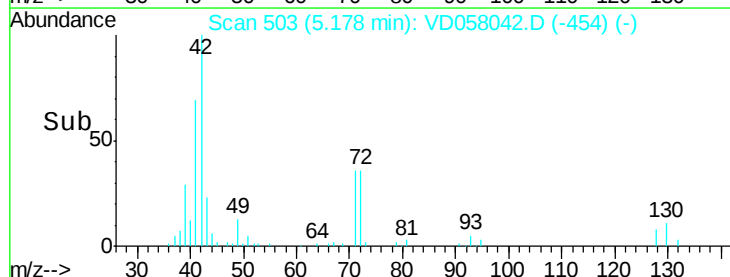
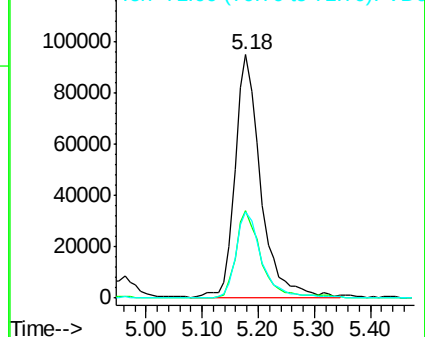
71 35.3 27.9 41.9

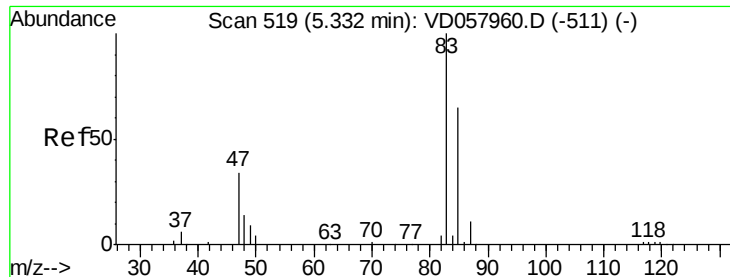


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

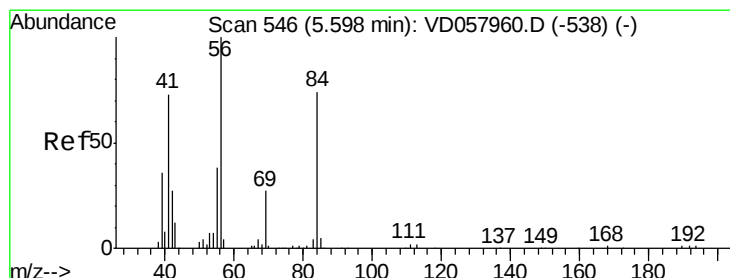
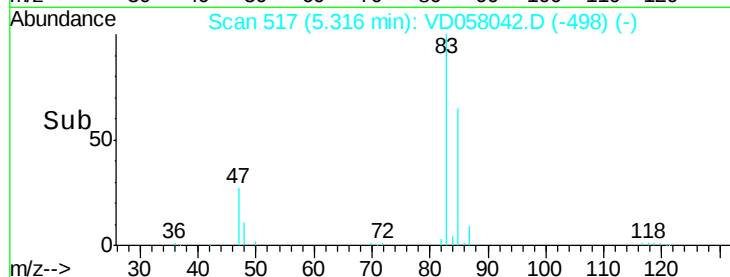
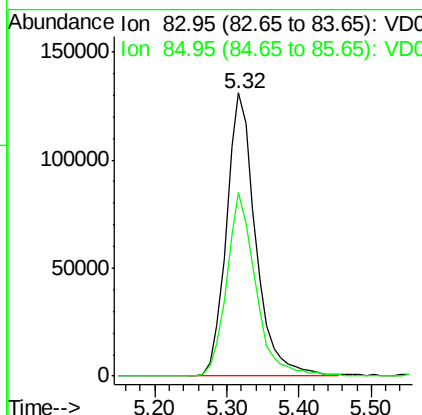
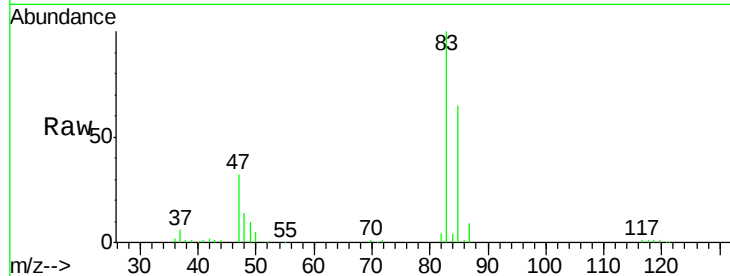




#30
Chloroform
Concen: 72.31 ug/l
RT: 5.32 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

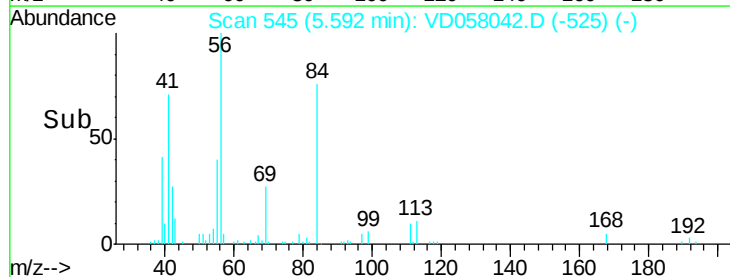
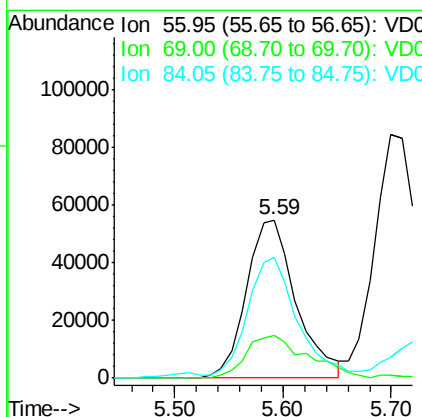
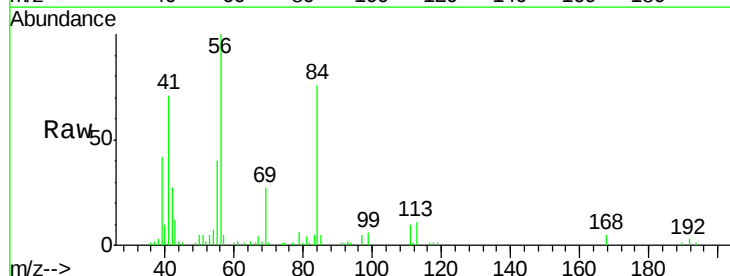
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

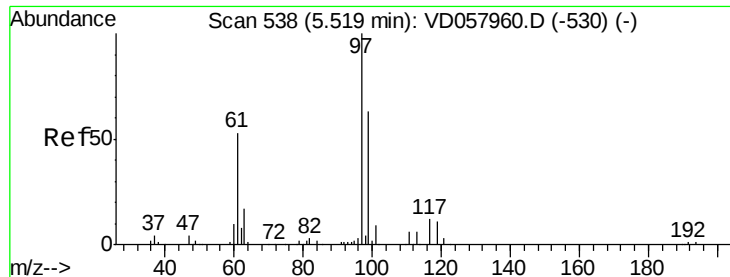
Tot Ion: 83 Resp: 368786
Ion Ratio Lower Upper
83 100
85 65.0 51.6 77.4



#31
Cyclohexane
Concen: 40.25 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 56 Resp: 176048
Ion Ratio Lower Upper
56 100
69 27.1 21.5 32.3
84 76.0 61.0 91.6





#32

1,1,1-Trichloroethane

Concen: 53.70 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

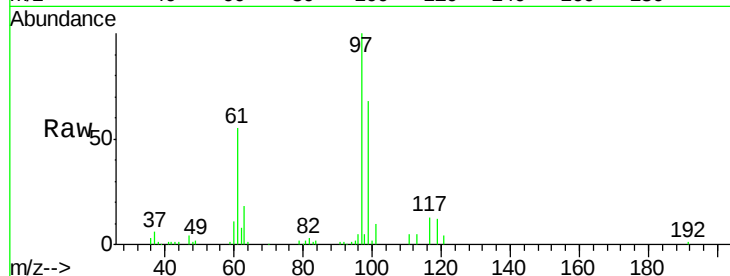
Tot Ion: 97 Resp: 229343

Ion Ratio Lower Upper

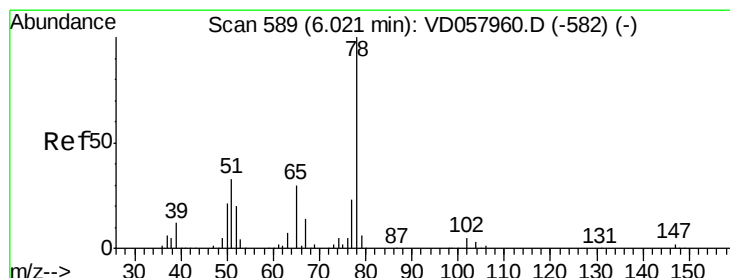
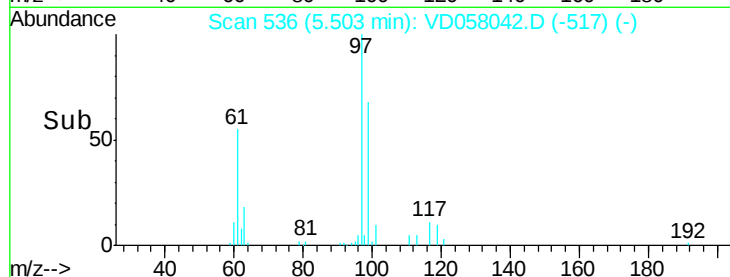
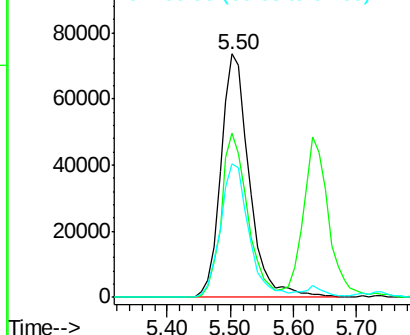
97 100

99 67.6 50.1 75.1

61 54.9 42.2 63.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 53.70 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058042.D

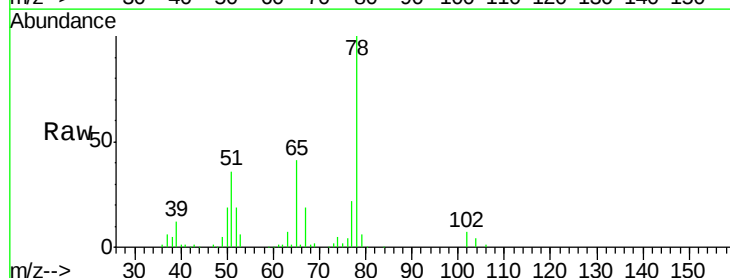
Acq: 9 Jun 2018 4:30

Tgt Ion: 65 Resp: 219682

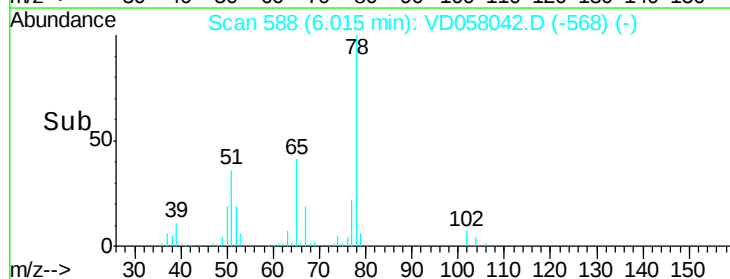
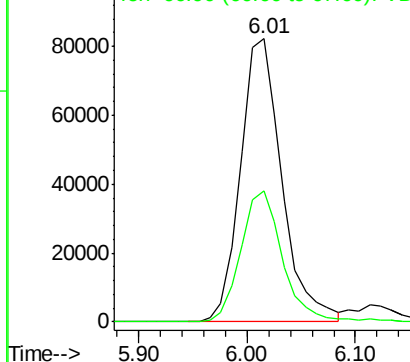
Ion Ratio Lower Upper

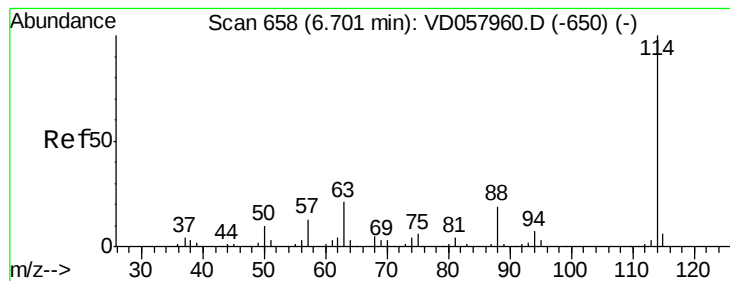
65 100

67 46.2 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

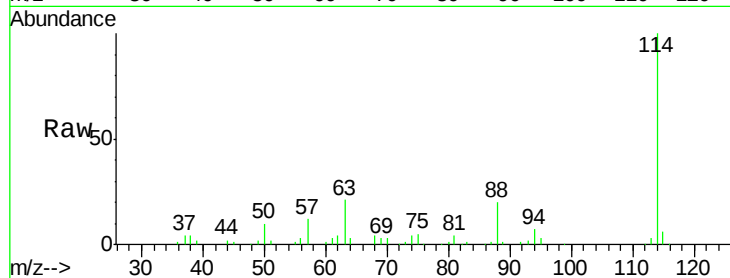
Tot Ion:114 Resp: 391930

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

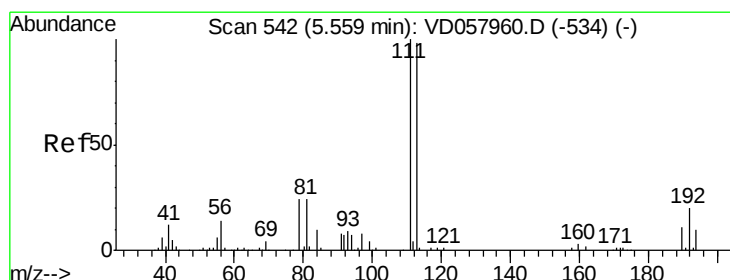
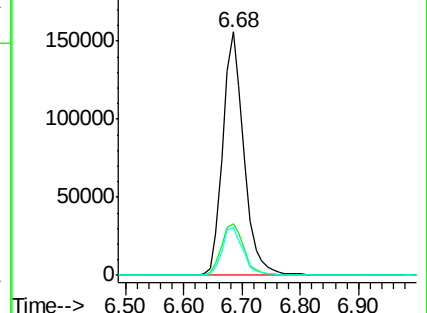
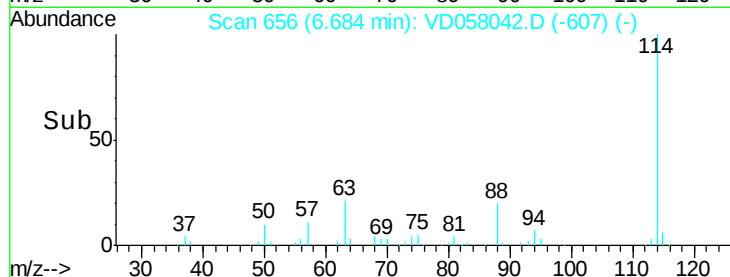
88 19.9 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

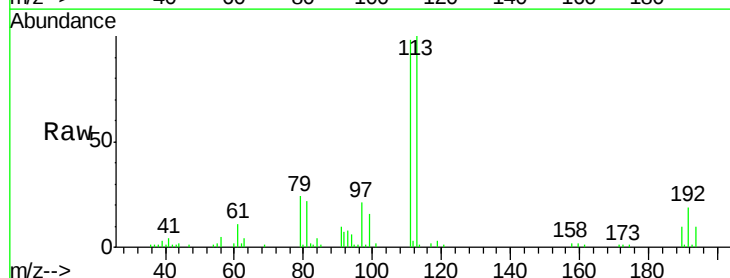
Tgt Ion:113 Resp: 193667

Ion Ratio Lower Upper

113 100

111 98.0 81.5 122.3

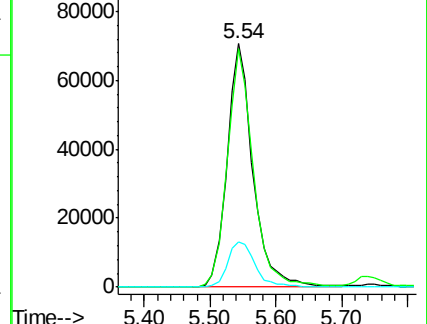
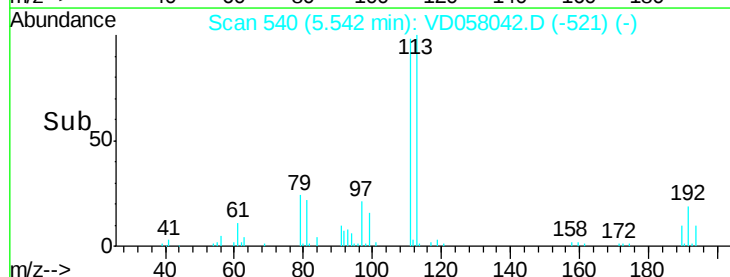
192 18.6 16.4 24.6

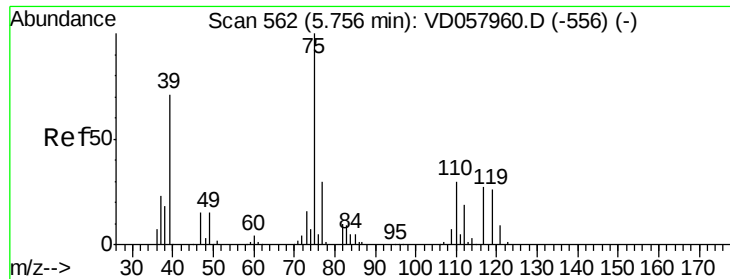


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

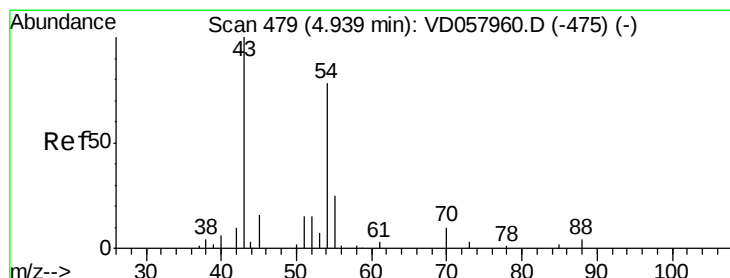
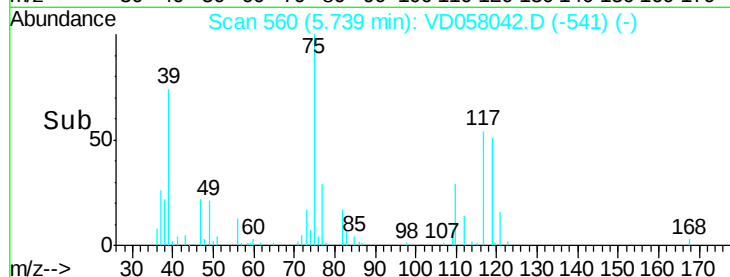
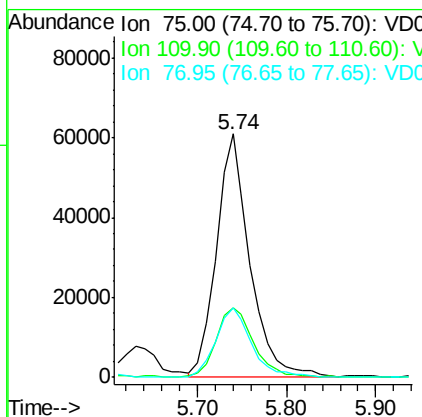
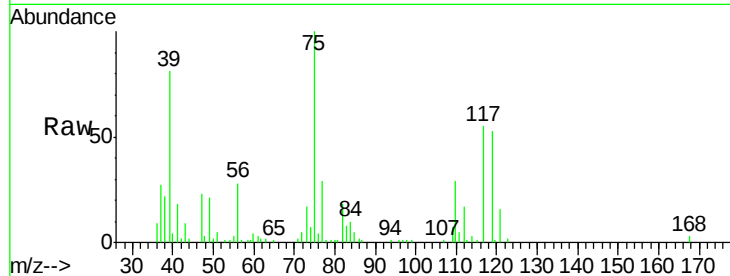




#36
 1,1-Dichloropropene
 Concen: 37.10 ug/l
 RT: 5.74 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

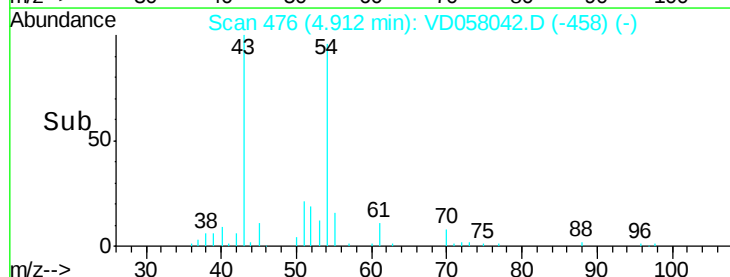
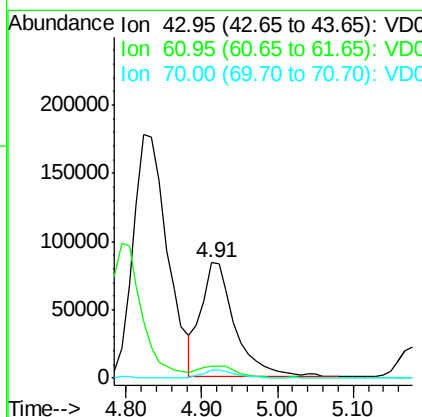
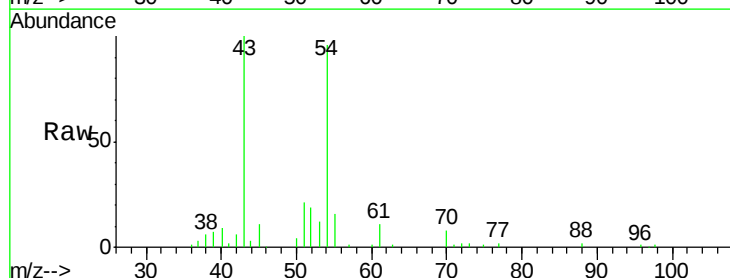
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

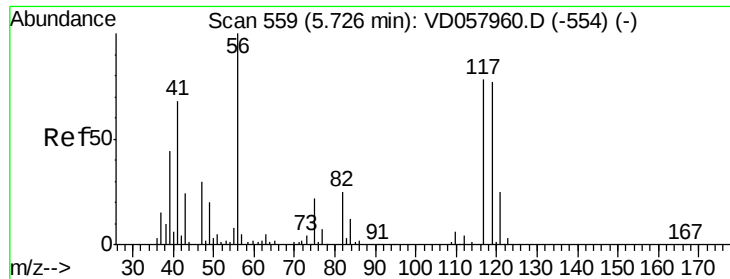
Tot Ion	Ratio	Lower	Upper
75	100		
110	28.6	14.8	44.3
77	28.7	23.9	35.9



#37
 Ethyl Acetate
 Concen: 110.83 ug/l
 RT: 4.91 min Scan# 476
 Delta R.T. -0.03 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.9	14.9
70	7.5	5.7	8.5





#38

Carbon Tetrachloride

Concen: 40.88 ug/l

RT: 5.72 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

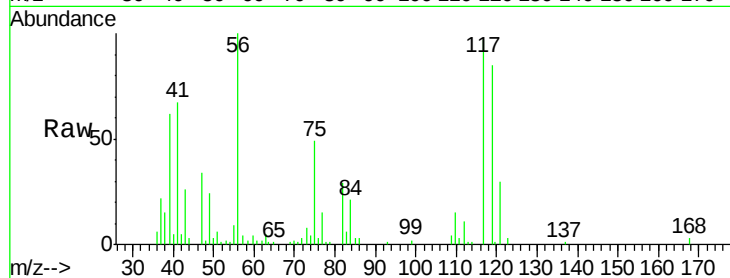
Tot Ion:117 Resp: 173962

Ion Ratio Lower Upper

117 100

119 87.2 76.1 114.1

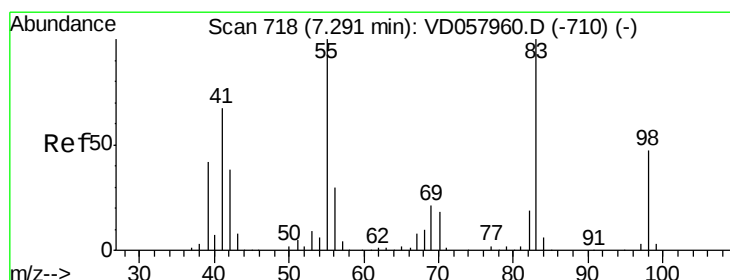
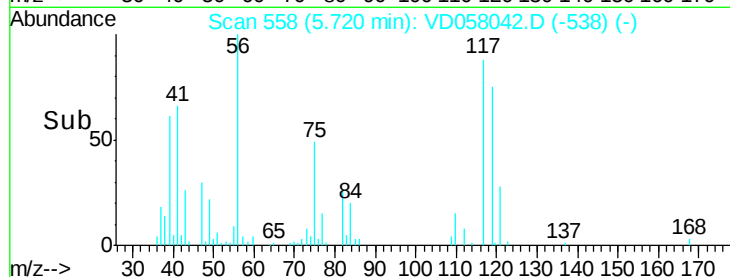
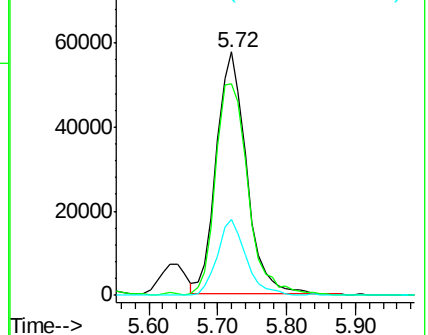
121 31.1 24.9 37.3



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 32.61 ug/l

RT: 7.28 min Scan# 716

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

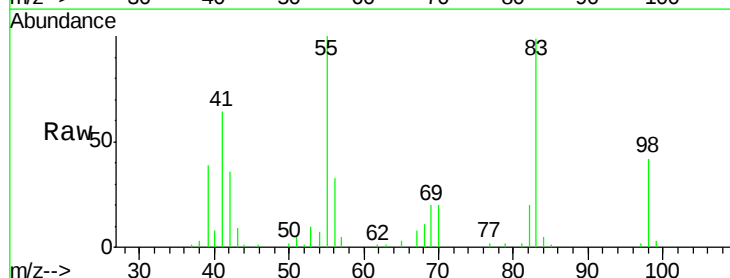
Tgt Ion: 83 Resp: 139575

Ion Ratio Lower Upper

83 100

55 101.4 80.3 120.5

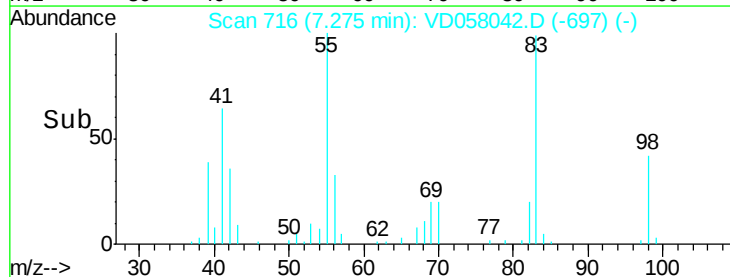
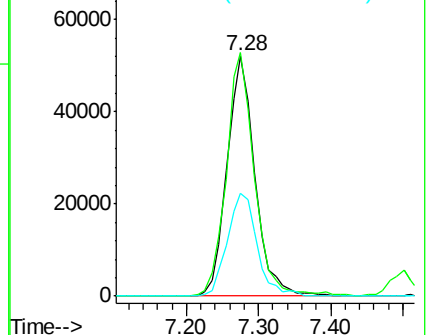
98 42.8 38.0 57.0

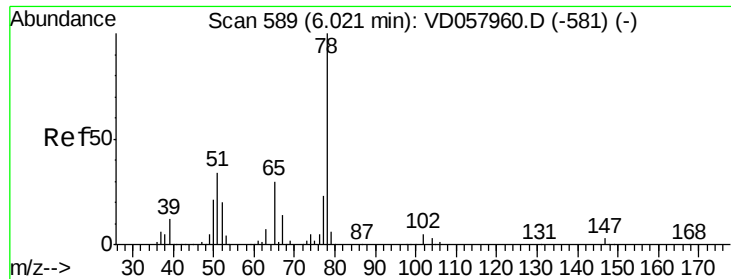


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 58.07 ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

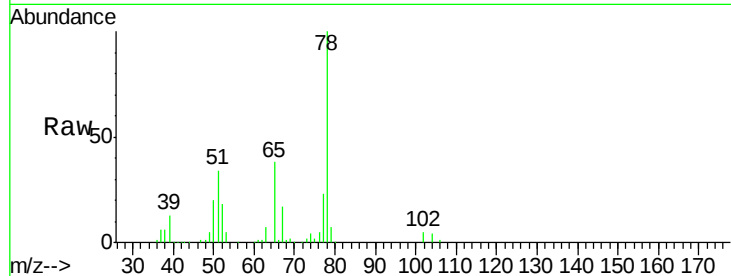
CAS1-SB-02-03-1-27MS

Tot Ion: 78 Resp: 585719

Ion Ratio Lower Upper

78 100

77 23.0 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

6.01

250000

200000

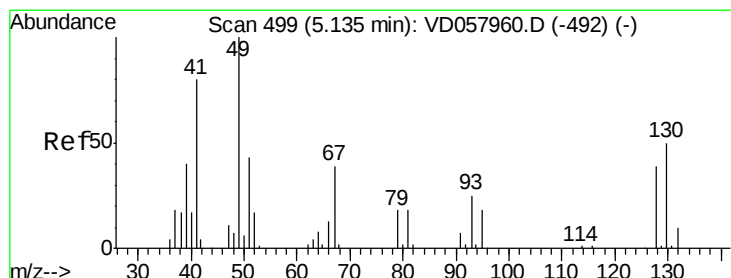
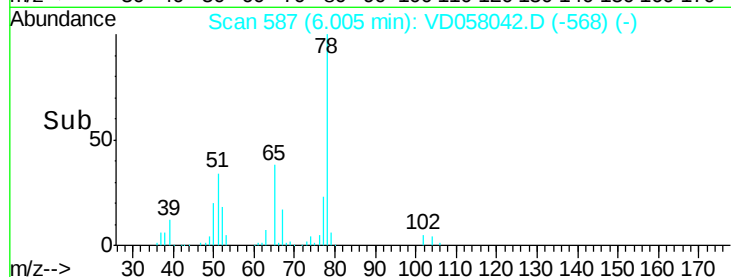
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 124.90 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Tgt Ion: 41 Resp: 134553

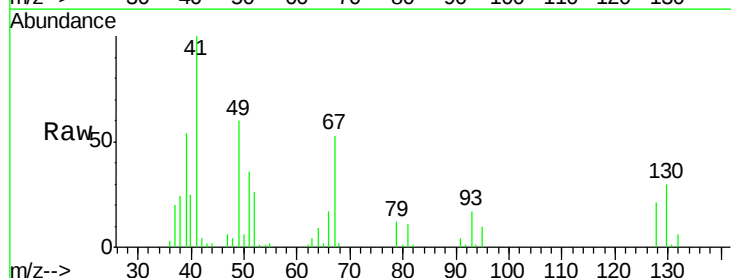
Ion Ratio Lower Upper

41 100

39 54.2 40.7 61.1

67 52.7 38.8 58.2

52 25.8 17.3 25.9



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

100000

80000

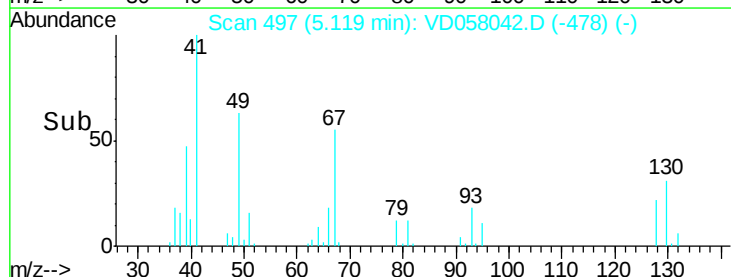
60000

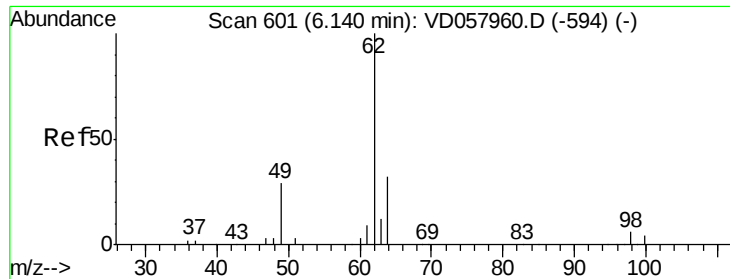
40000

20000

0

Time-->

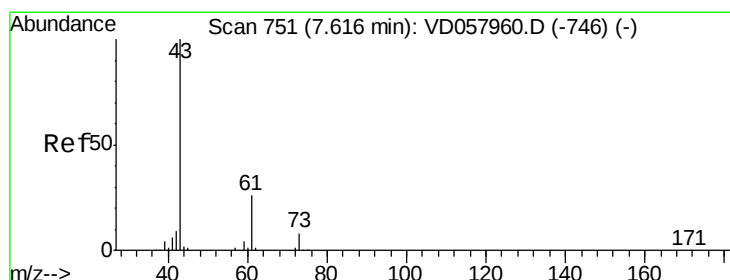
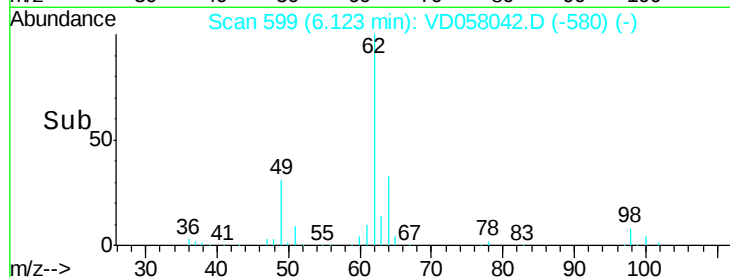
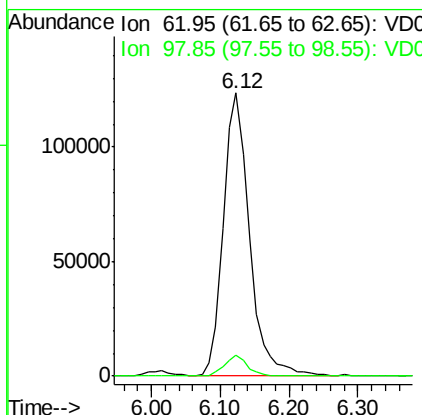
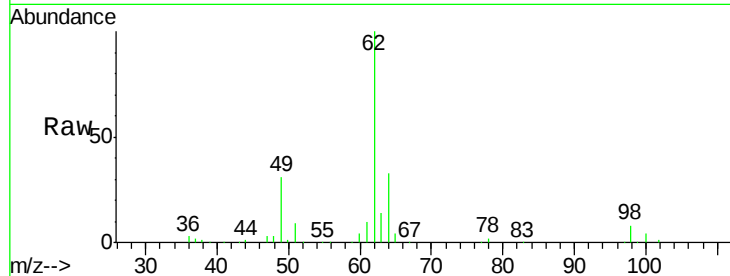




#42
 1,2-Dichloroethane
 Concen: 79.75 ug/l
 RT: 6.12 min Scan# 599
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

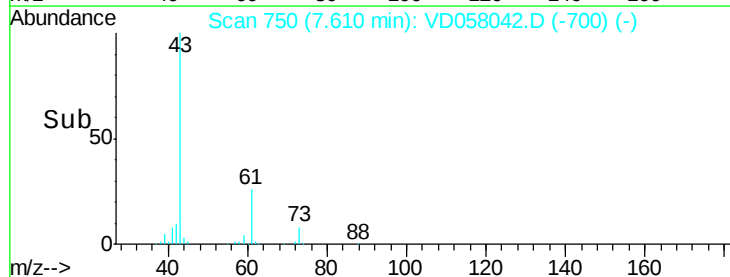
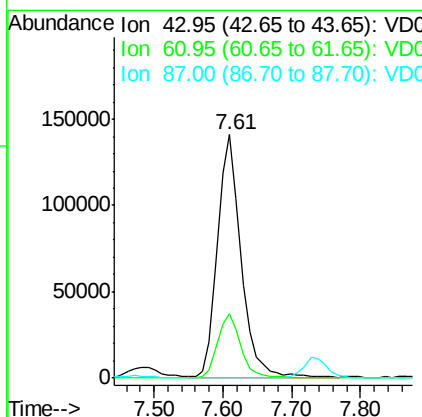
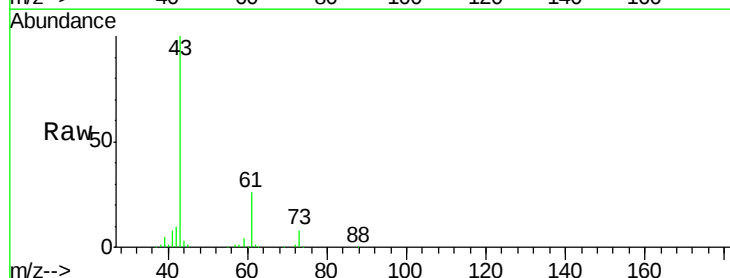
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

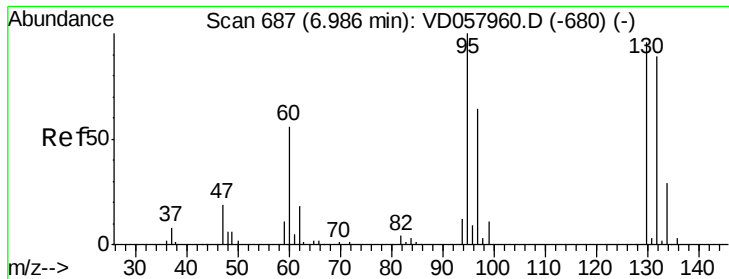
Tot Ion: 62 Resp: 325254
 Ion Ratio Lower Upper
 62 100
 98 7.6 0.0 12.8



#43
 Isopropyl Acetate
 Concen: 107.73 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 43 Resp: 332456
 Ion Ratio Lower Upper
 43 100
 61 26.4 20.6 30.8
 87 0.0 0.2 0.4#





#44

Trichloroethene

Concen: 43.14 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

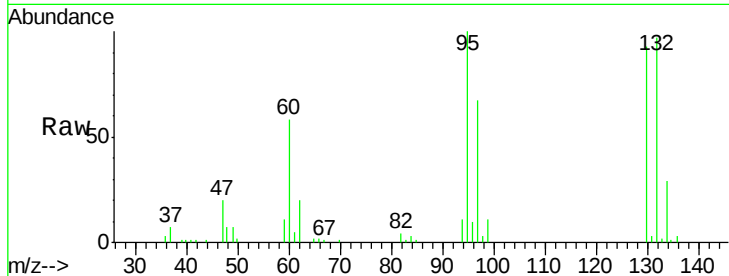
CAS1-SB-02-03-1-27MS

Tot Ion:130 Resp: 127116

Ion Ratio Lower Upper

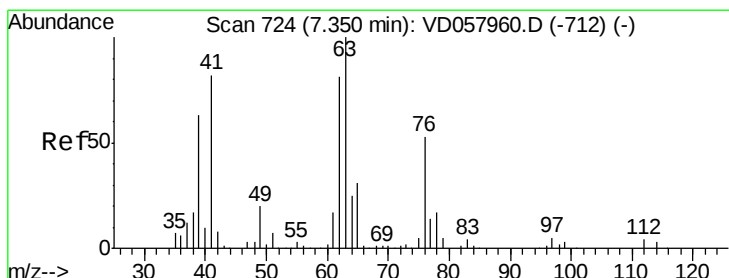
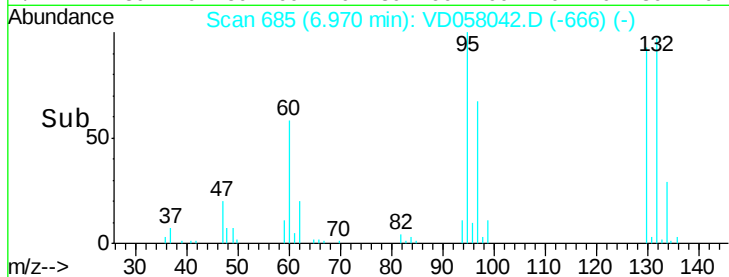
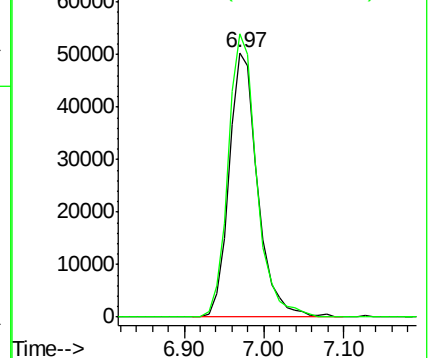
130 100

95 107.0 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#45

1,2-Dichloropropane

Concen: 67.36 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD058042.D

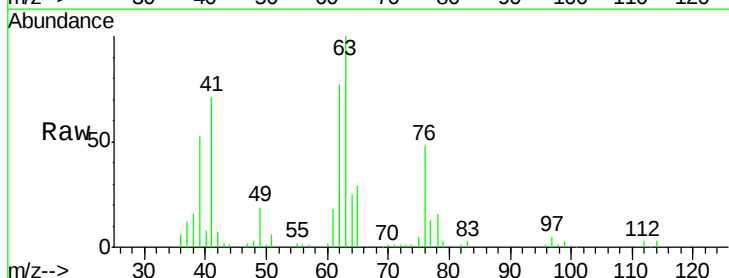
Acq: 9 Jun 2018 4:30

Tgt Ion: 63 Resp: 188837

Ion Ratio Lower Upper

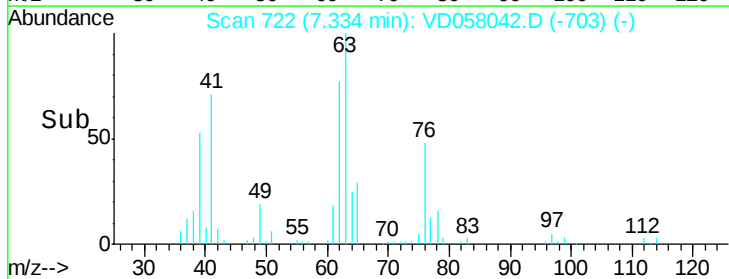
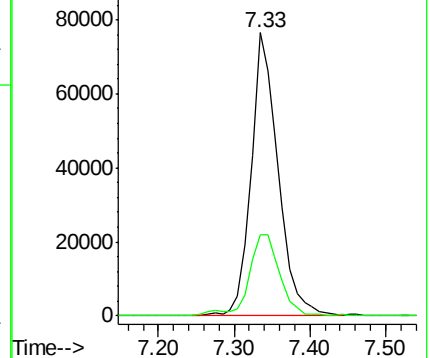
63 100

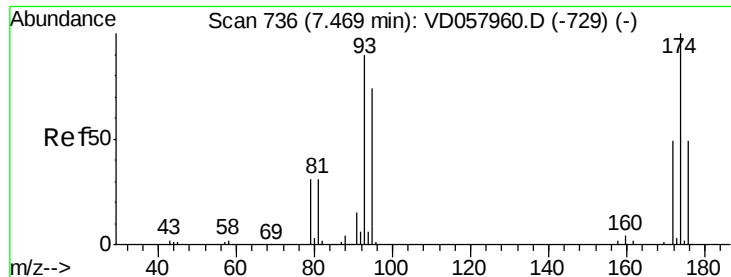
65 28.8 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

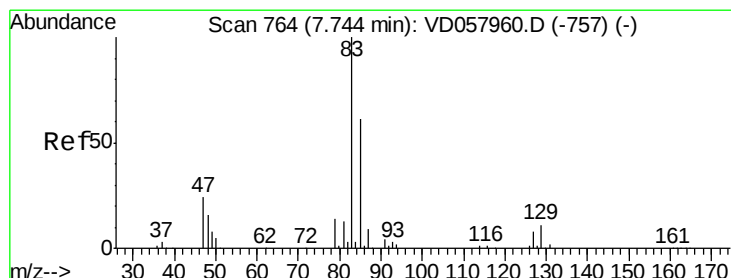
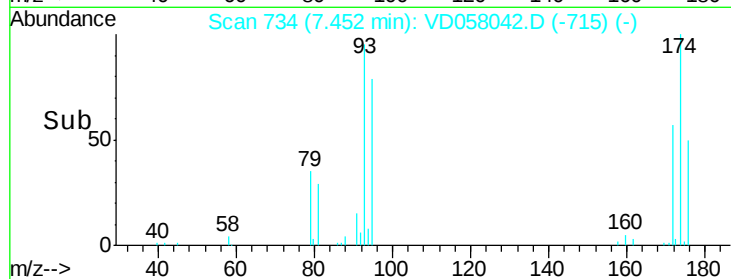
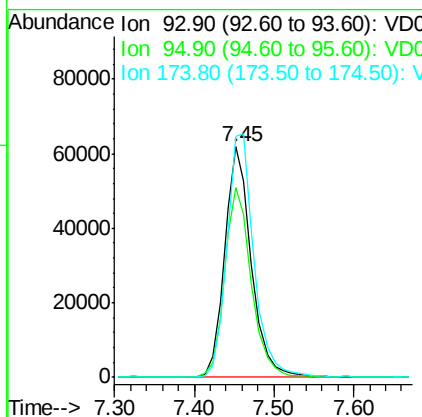
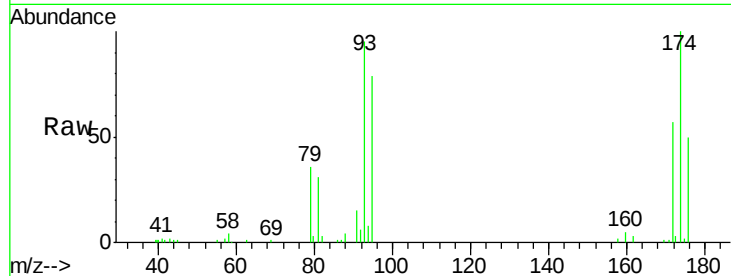




#46
Dibromomethane
Concen: 80.17 ug/l
RT: 7.45 min Scan# 734
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

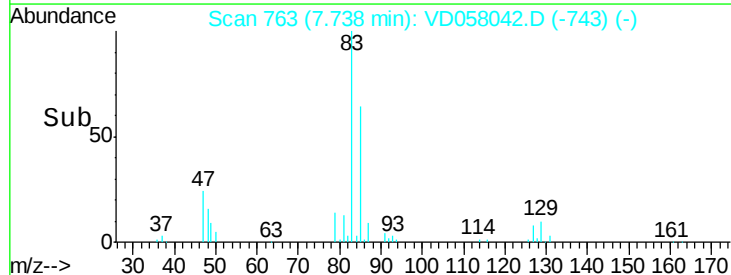
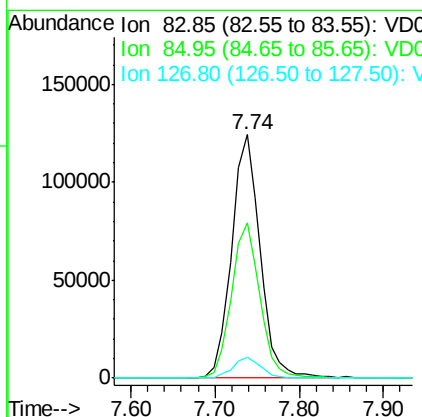
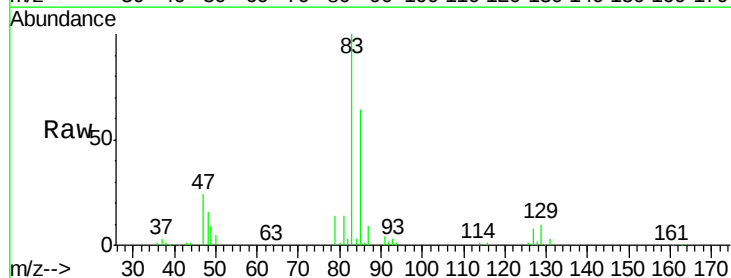
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

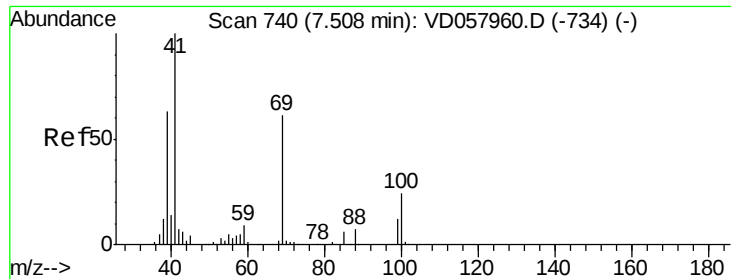
Tot Ion: 93 Resp: 144388
Ion Ratio Lower Upper
93 100
95 82.6 65.7 98.5
174 104.8 89.0 133.4



#47
Bromodichloromethane
Concen: 69.19 ug/l
RT: 7.74 min Scan# 763
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 83 Resp: 291780
Ion Ratio Lower Upper
83 100
85 63.7 49.1 73.7
127 8.5 6.2 9.2

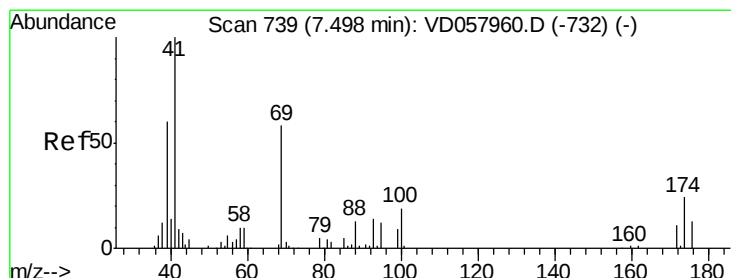
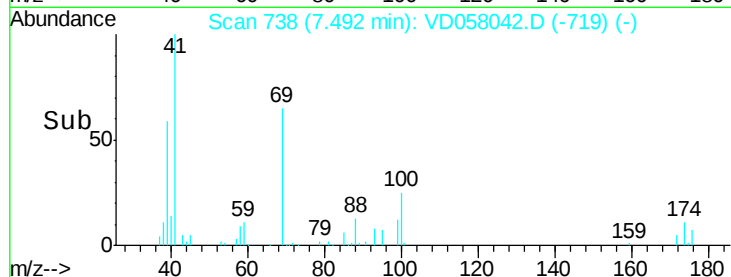
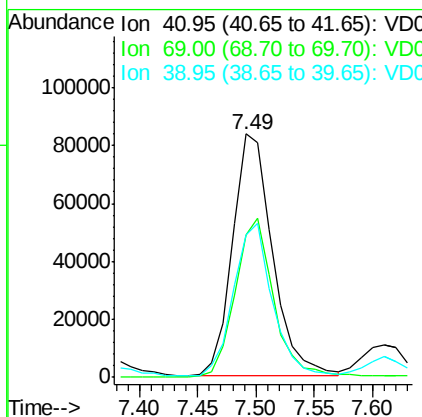
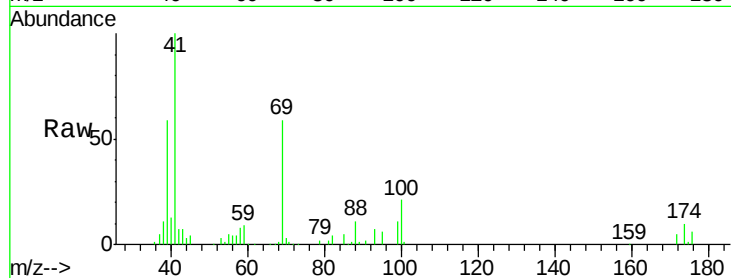




#48
Methvl methacrylate
Concen: 105.27 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

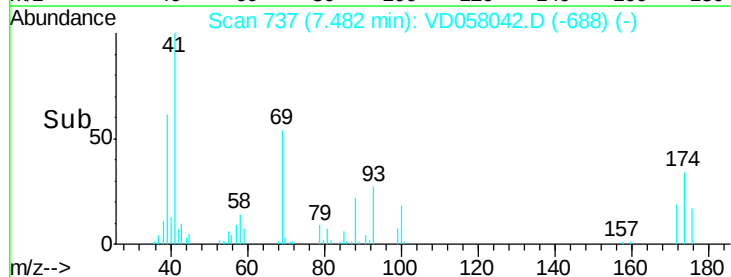
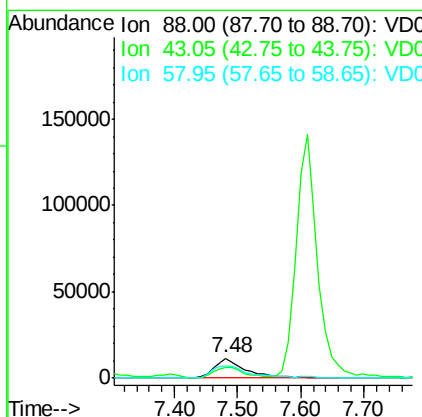
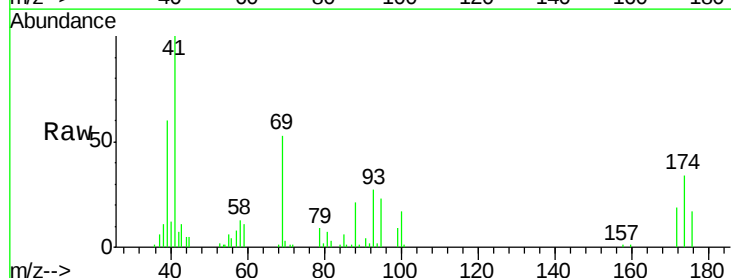
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

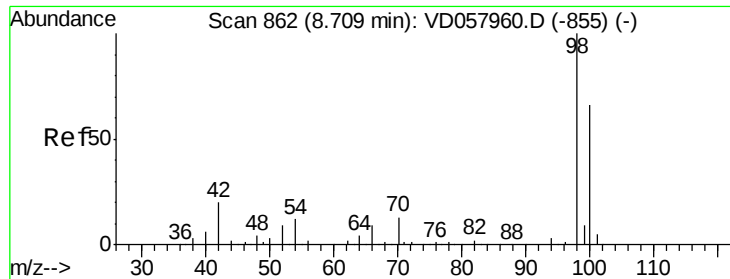
Tot Ion: 41 Resp: 199968
Ion Ratio Lower Upper
41 100
69 58.8 48.0 72.0
39 58.8 50.7 76.1



#49
1,4-Dioxane
Concen: 2510.82 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 88 Resp: 39510
Ion Ratio Lower Upper
88 100
43 52.5 46.6 69.8
58 63.3 63.6 95.4#





#50

Toluene-d8

Concen: 2510.82 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

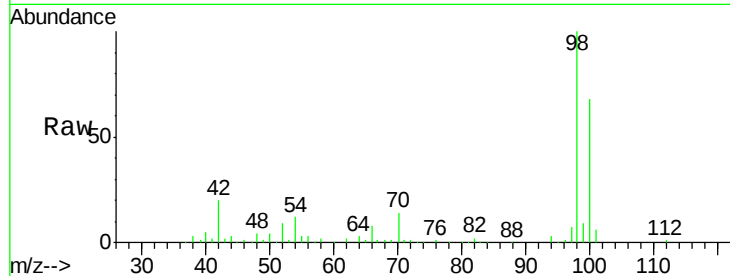
CAS1-SB-02-03-1-27MS

Tot Ion: 98 Resp: 377302

Ion Ratio Lower Upper

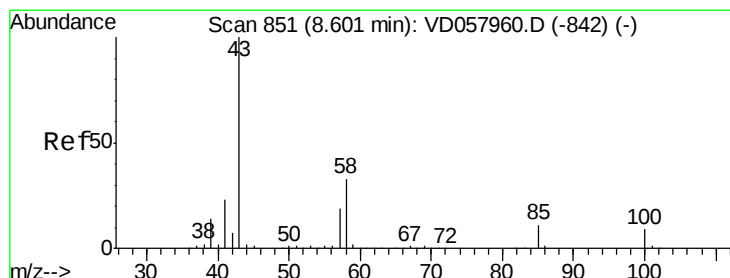
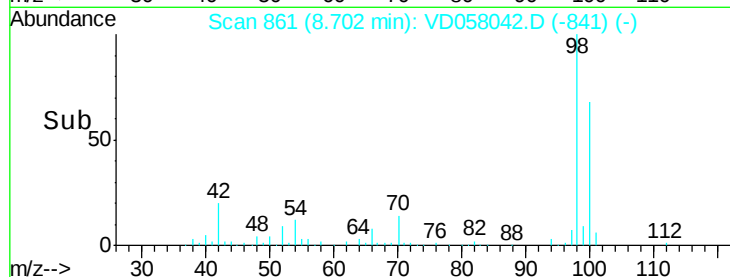
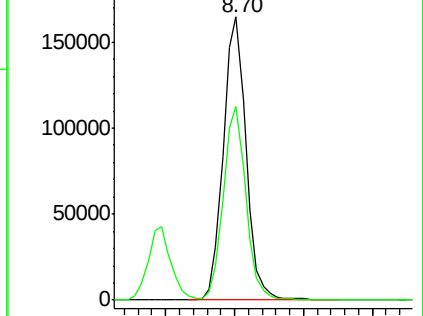
98 100

100 68.4 53.4 80.0



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: 591.79 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.02 min

Lab File: VD058042.D

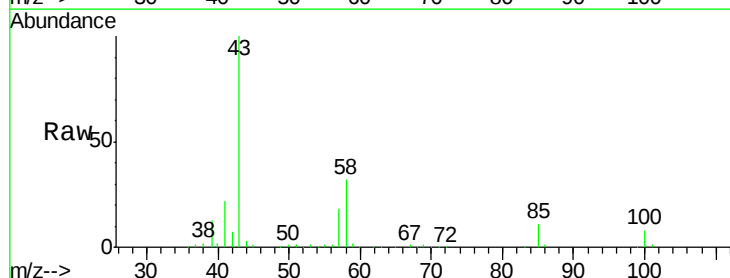
Acq: 9 Jun 2018 4:30

Tgt Ion: 43 Resp: 1171439

Ion Ratio Lower Upper

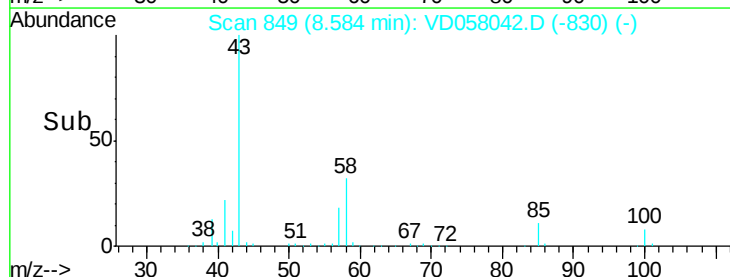
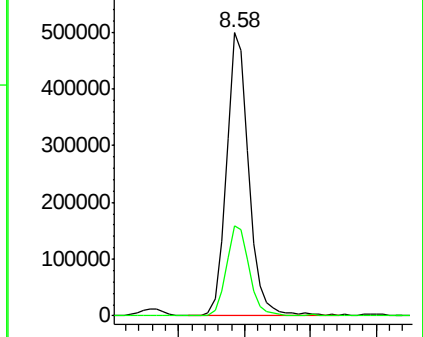
43 100

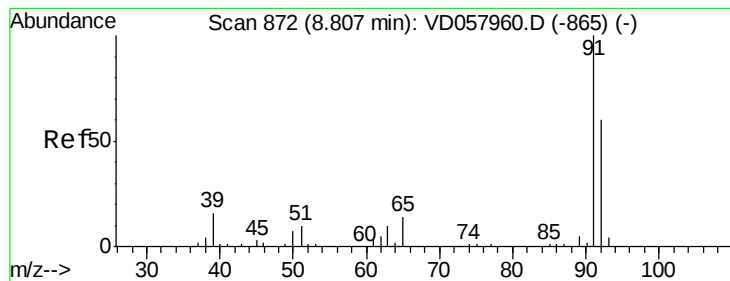
58 31.8 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 53.55 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

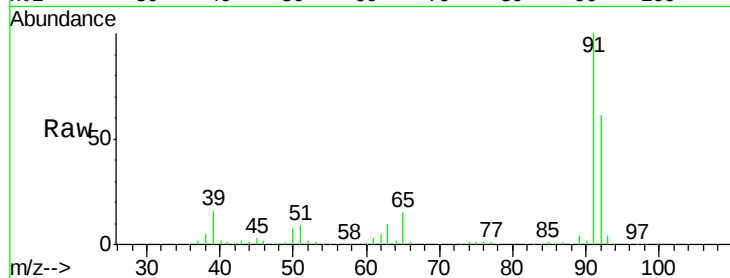
CAS1-SB-02-03-1-27MS

Tot Ion: 92 Resp: 310029

Ion Ratio Lower Upper

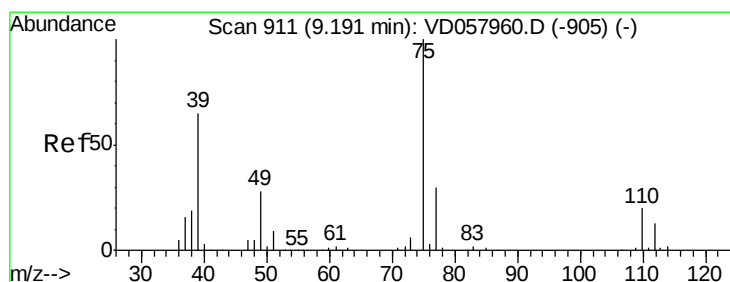
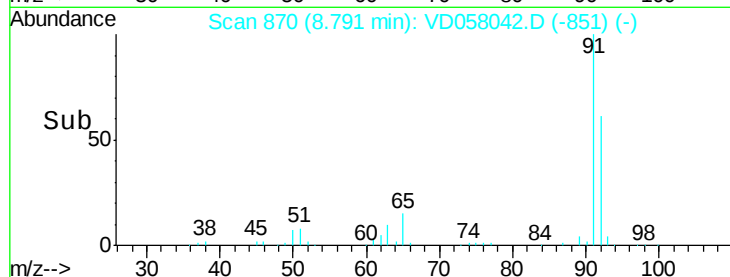
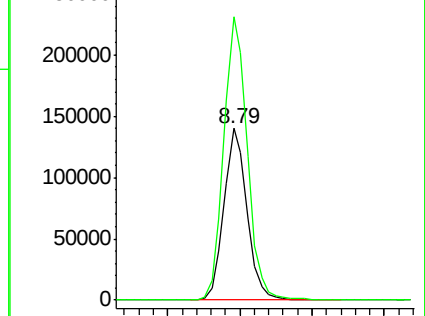
92 100

91 165.1 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 67.54 ug/l

RT: 9.17 min Scan# 909

Delta R.T. -0.02 min

Lab File: VD058042.D

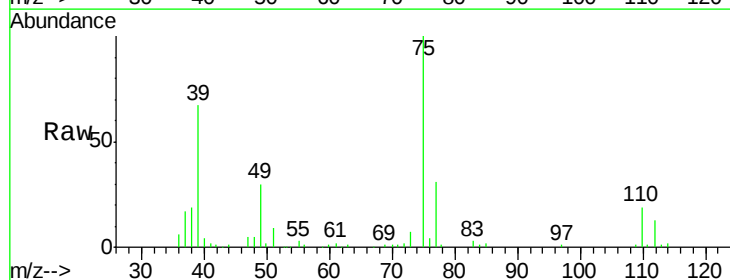
Acq: 9 Jun 2018 4:30

Tgt Ion: 75 Resp: 245369

Ion Ratio Lower Upper

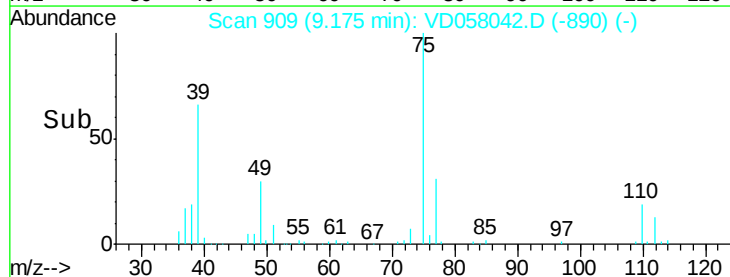
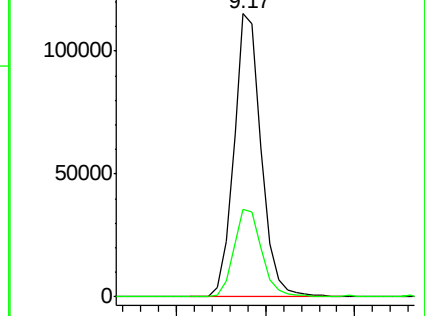
75 100

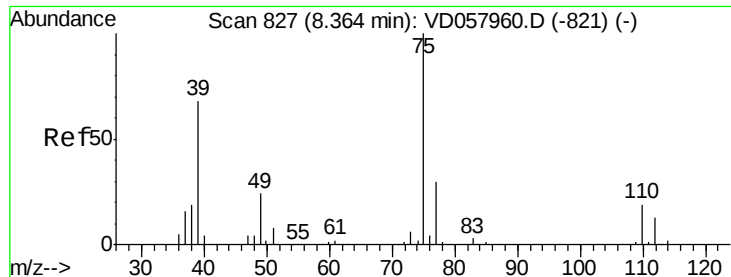
77 30.8 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#54

cis-1,3-Dichloropropene

Concen: 62.12 ug/l

RT: 8.35 min Scan# 825

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

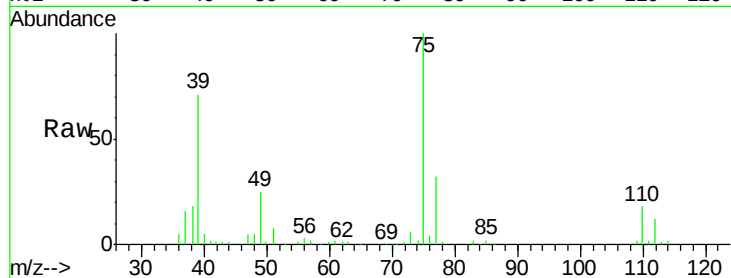
Tot Ion: 75 Resp: 265903

Ion Ratio Lower Upper

75 100

77 31.8 24.1 36.1

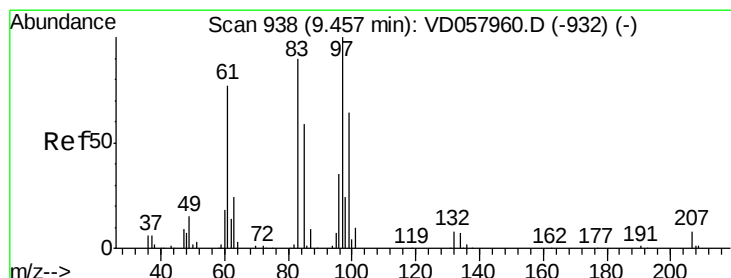
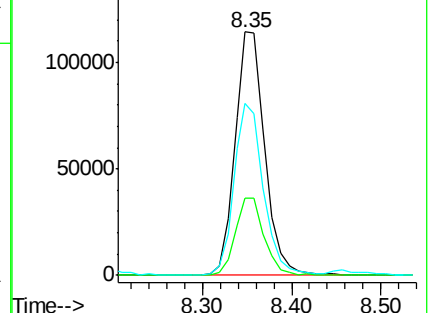
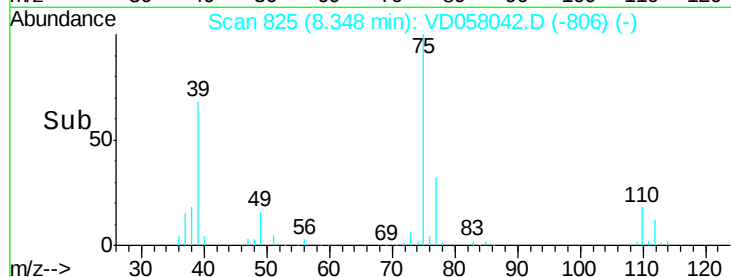
39 70.9 54.0 81.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



#55

1,1,2-Trichloroethane

Concen: 90.29 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Tgt Ion: 97 Resp: 169159

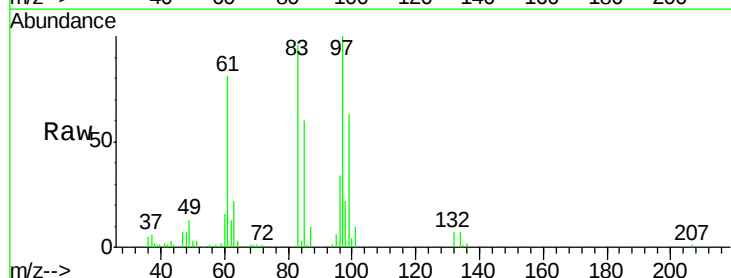
Ion Ratio Lower Upper

97 100

83 96.2 71.8 107.8

85 60.2 47.2 70.8

99 62.7 51.4 77.0

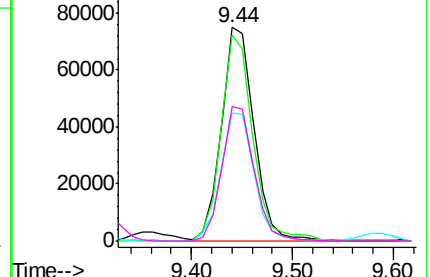
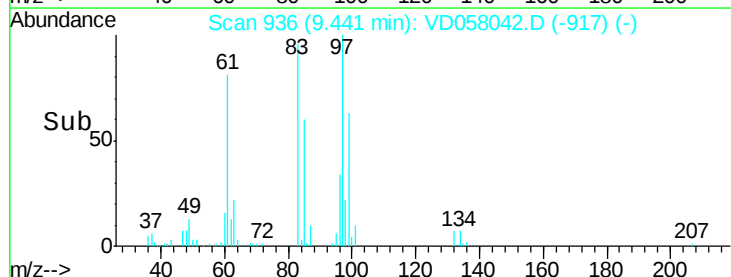


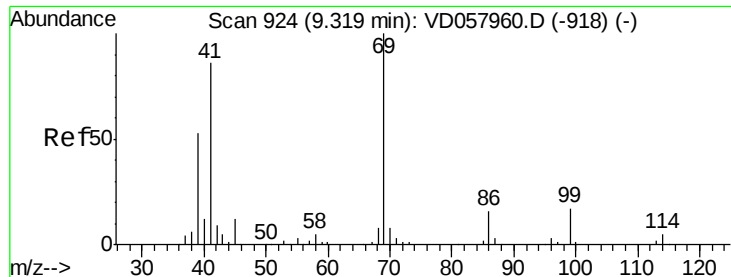
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC





#56

Ethyl methacrylate

Concen: 101.54 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

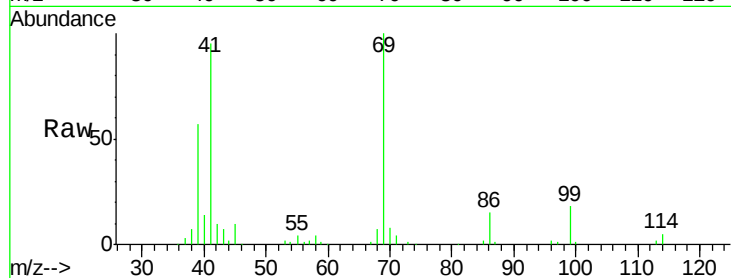
Tot Ion: 69 Resp: 233367

Ion Ratio Lower Upper

69 100

41 94.7 68.4 102.6

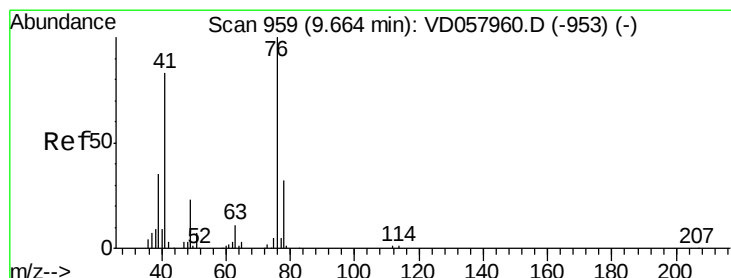
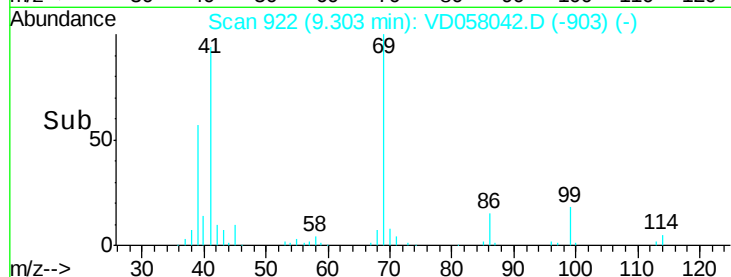
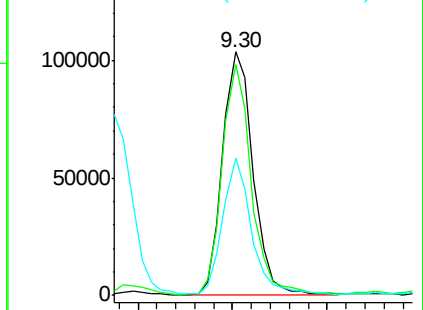
39 56.6 43.0 64.4



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#57

1,3-Dichloropropane

Concen: 88.07 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058042.D

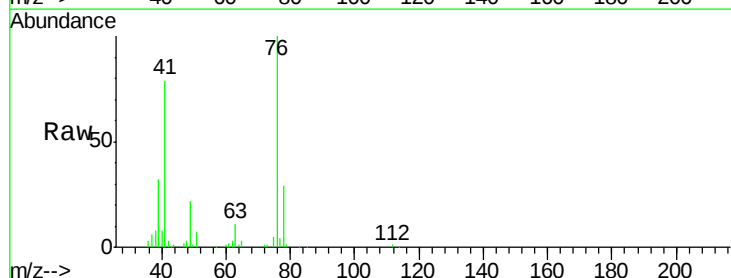
Acq: 9 Jun 2018 4:30

Tgt Ion: 76 Resp: 289411

Ion Ratio Lower Upper

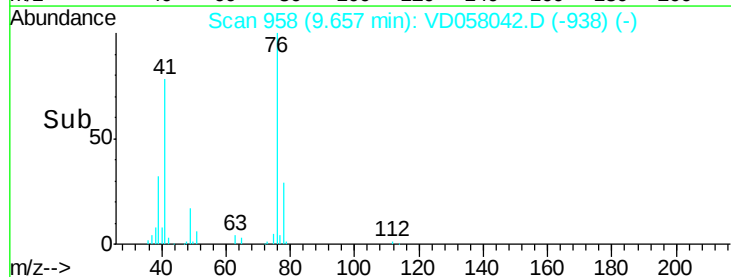
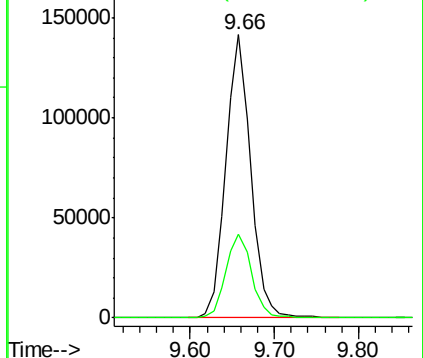
76 100

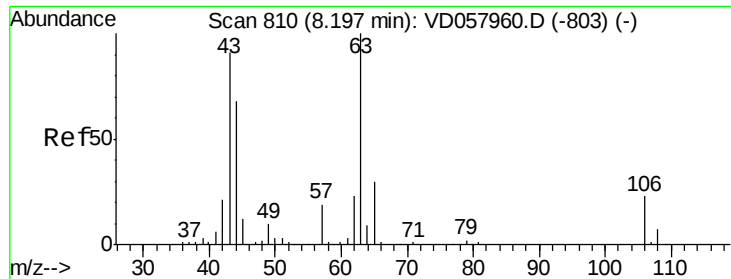
78 29.4 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC





#58

2-Chloroethyl Vinyl ether

Concen: 487.44 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

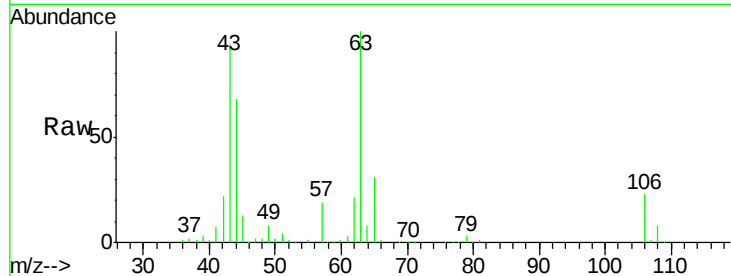
CAS1-SB-02-03-1-27MS

Tot Ion: 63 Resp: 565987

Ion Ratio Lower Upper

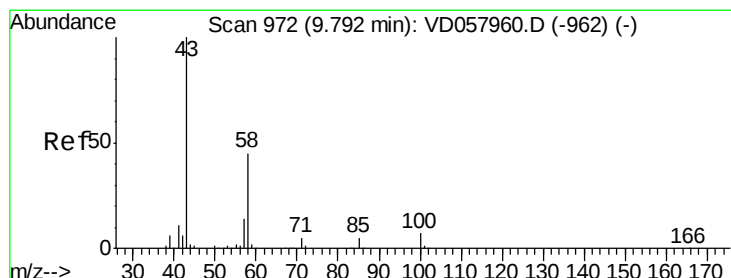
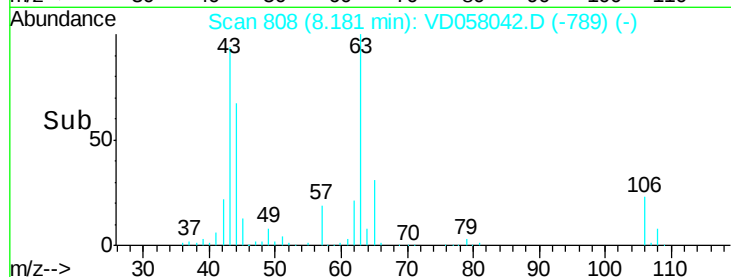
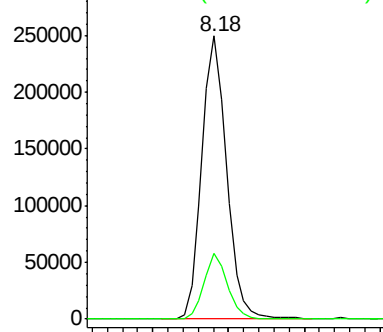
63 100

106 23.3 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



#59

2-Hexanone

Concen: 548.13 ug/l

RT: 9.78 min Scan# 970

Delta R.T. -0.02 min

Lab File: VD058042.D

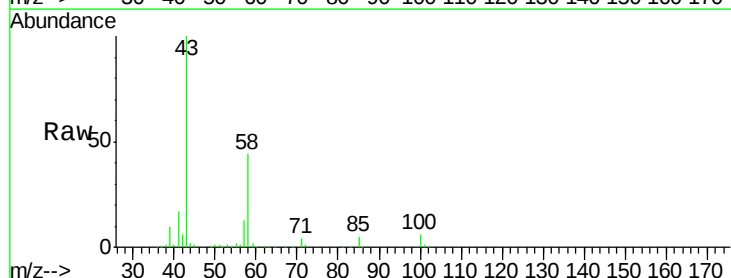
Acq: 9 Jun 2018 4:30

Tgt Ion: 43 Resp: 795136

Ion Ratio Lower Upper

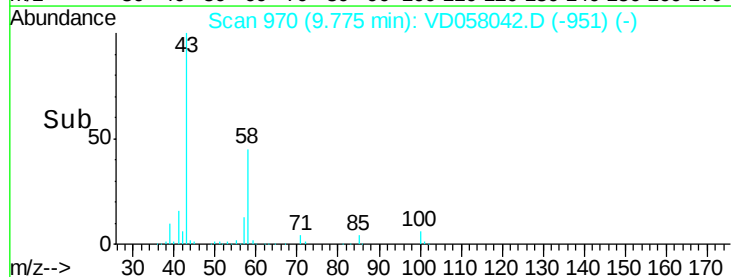
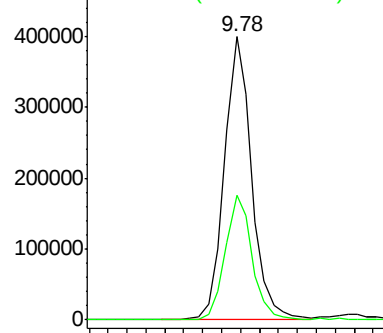
43 100

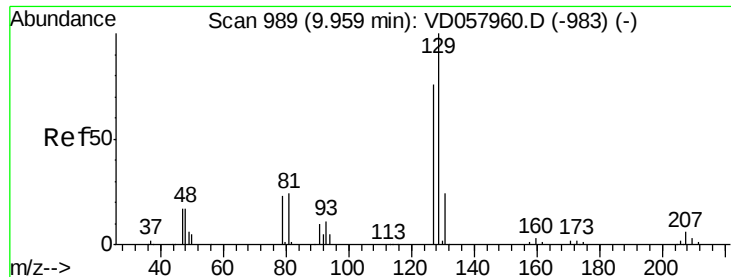
58 43.9 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#60

Dibromochloromethane

Concen: 79.18 ug/l

RT: 9.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

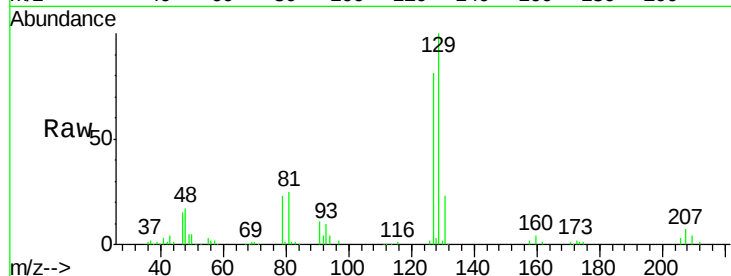
CAS1-SB-02-03-1-27MS

Tot Ion:129 Resp: 209206

Ion Ratio Lower Upper

129 100

127 80.8 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.95

100000

80000

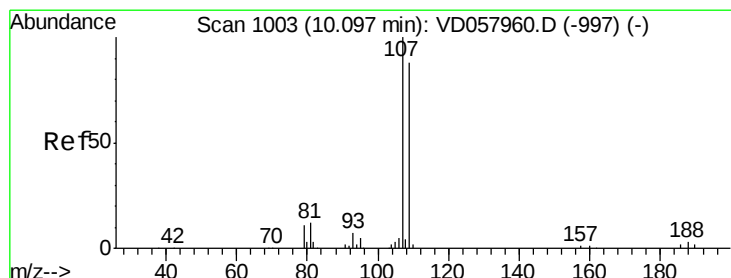
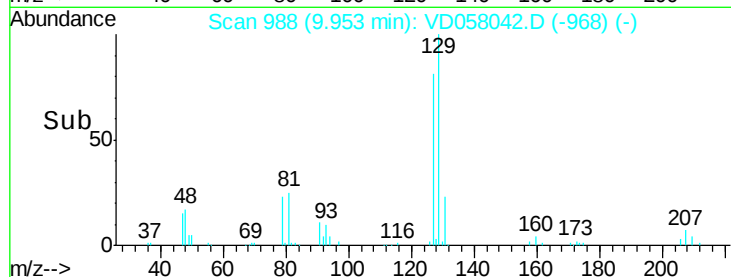
60000

40000

20000

0

Time--> 9.80 9.90 10.00 10.10



#61

1,2-Dibromoethane

Concen: 83.92 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.02 min

Lab File: VD058042.D

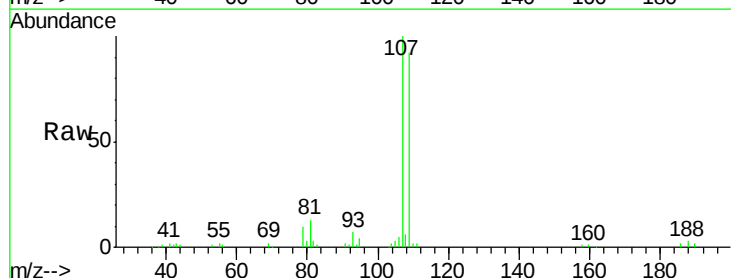
Acq: 9 Jun 2018 4:30

Tgt Ion:107 Resp: 180816

Ion Ratio Lower Upper

107 100

109 91.7 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

100000

80000

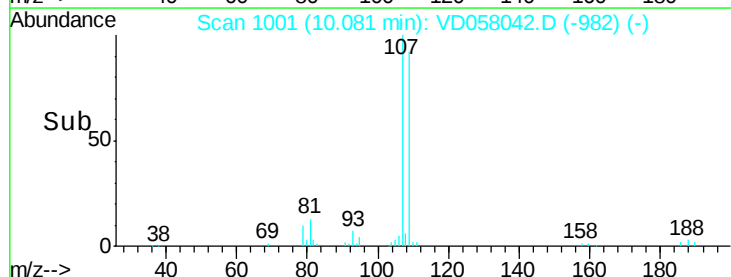
60000

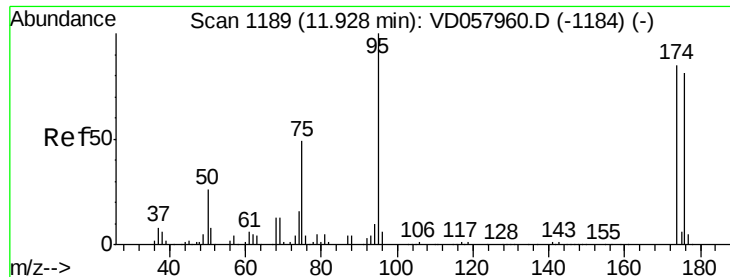
40000

20000

0

Time--> 10.00 10.10 10.20





#62

4-Bromofluorobenzene

Concen: 83.92 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

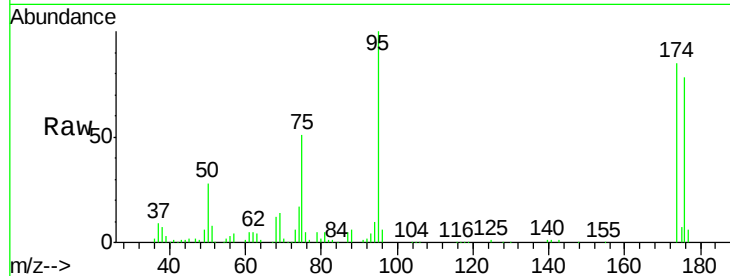
Tot Ion: 95 Resp: 183017

Ion Ratio Lower Upper

95 100

174 84.7 0.0 169.4

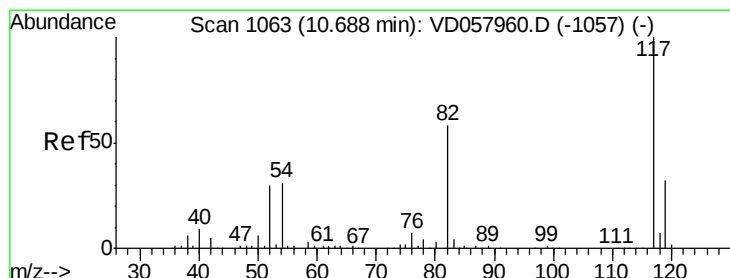
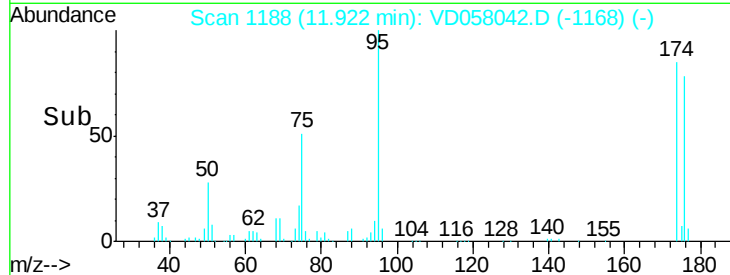
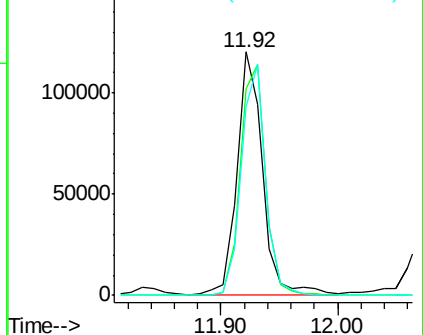
176 77.5 0.0 162.6



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

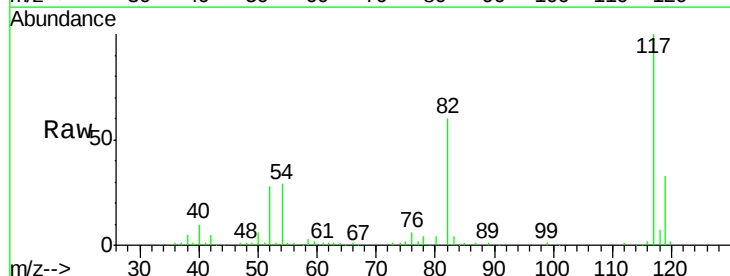
Tgt Ion: 117 Resp: 360949

Ion Ratio Lower Upper

117 100

82 60.4 46.8 70.2

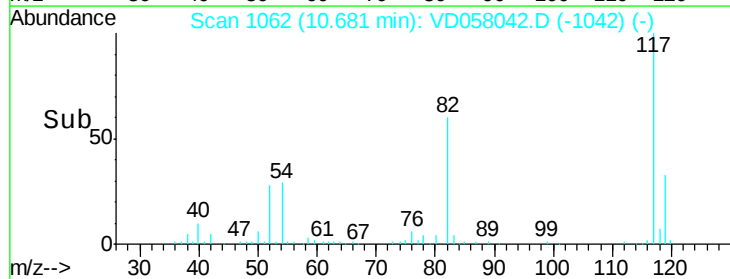
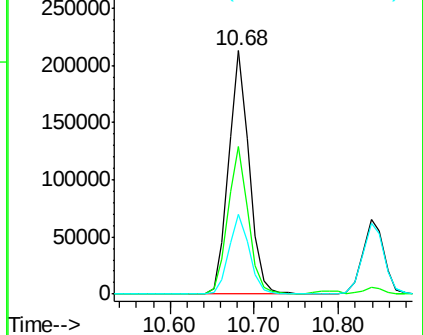
119 32.6 25.8 38.6

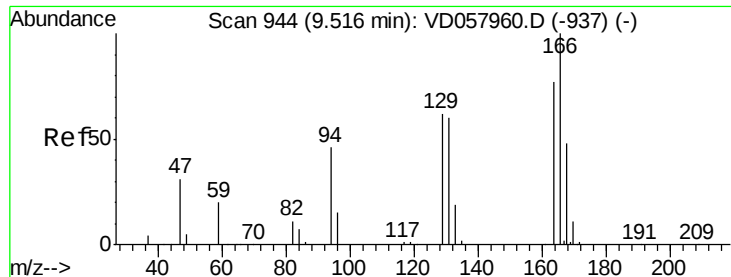


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 38.41 ug/l

RT: 9.50 min Scan# 942

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

Tot Ion:164 Resp: 123932

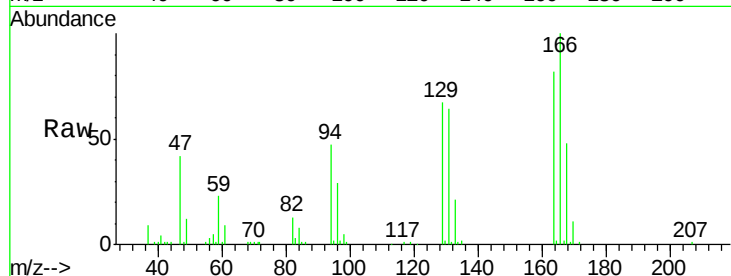
Ion Ratio Lower Upper

164 100

166 122.6 104.4 156.6

129 81.6 65.0 97.6

131 78.7 62.9 94.3

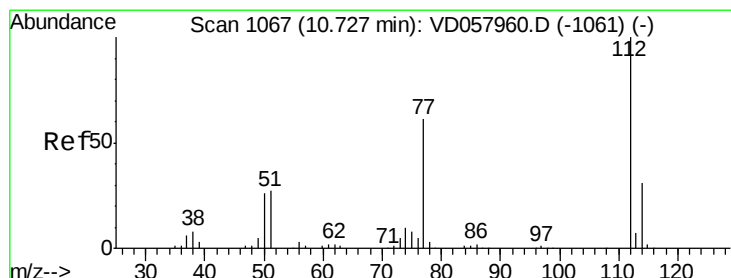
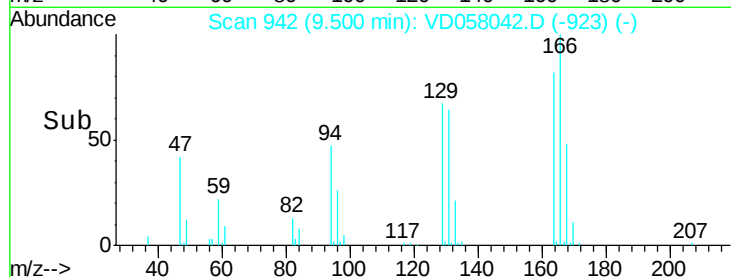
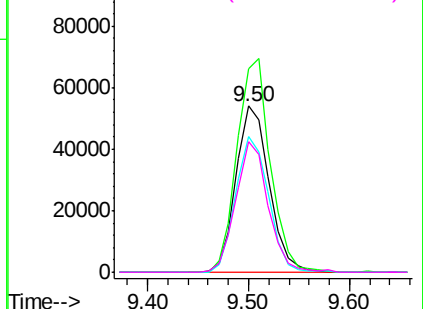


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 51.13 ug/l

RT: 10.71 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VD058042.D

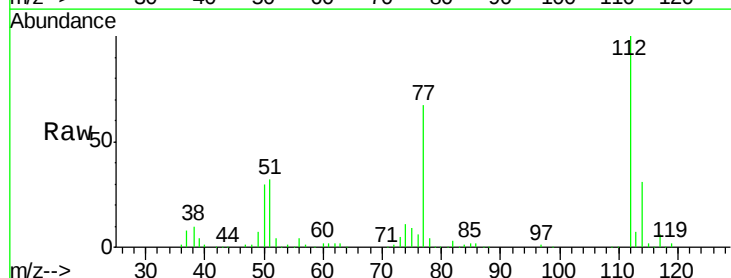
Acq: 9 Jun 2018 4:30

Tgt Ion:112 Resp: 373596

Ion Ratio Lower Upper

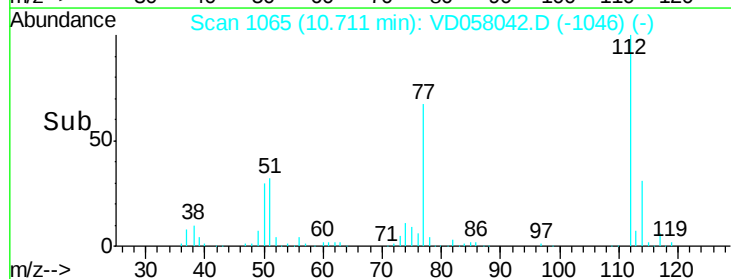
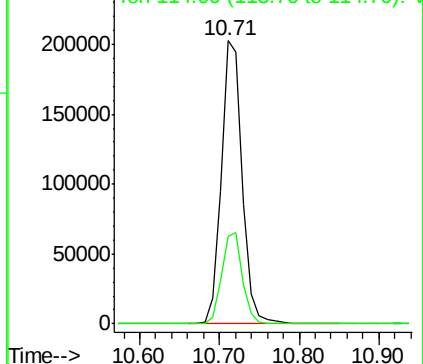
112 100

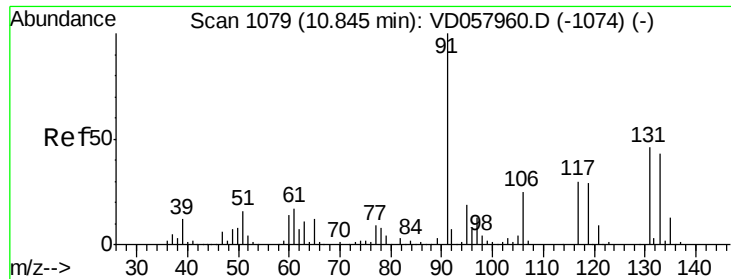
114 31.0 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

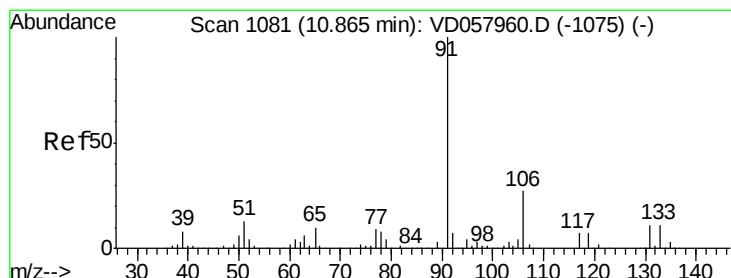
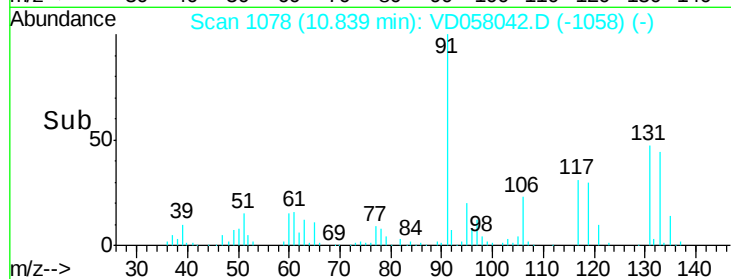
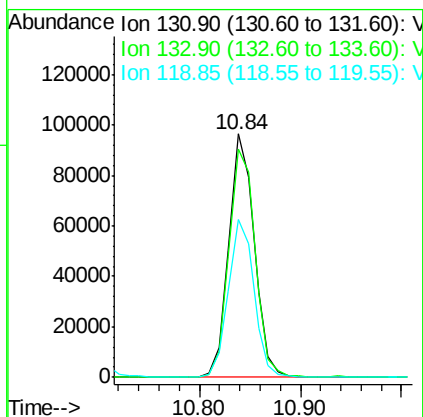
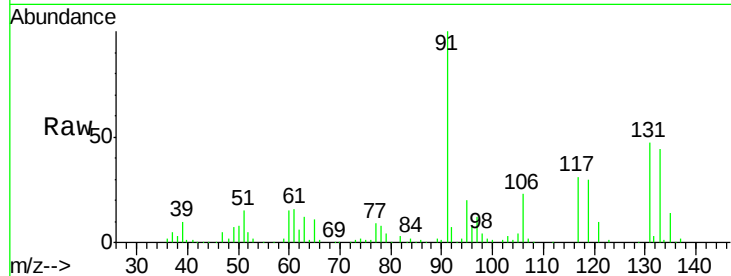




#66
 1,1,1,2-Tetrachloroethane
 Concen: 59.97 ug/l
 RT: 10.84 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

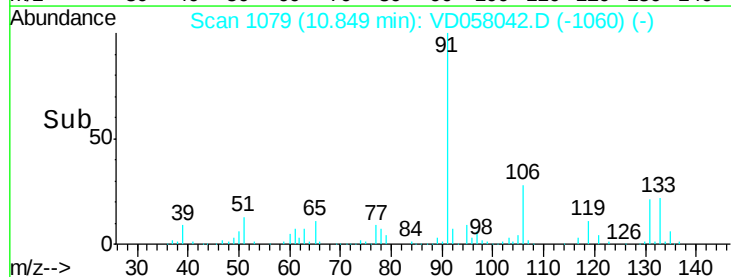
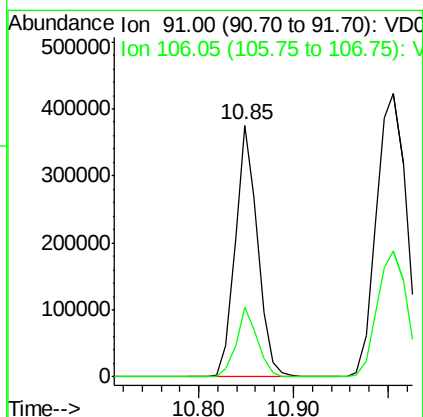
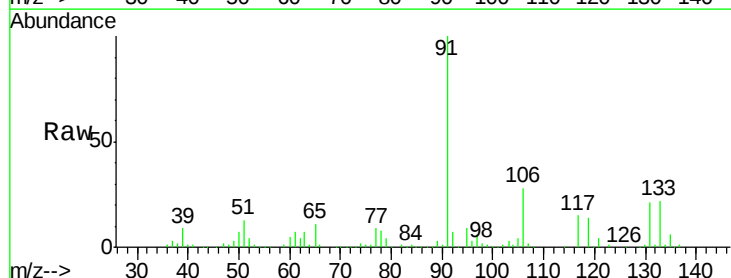
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

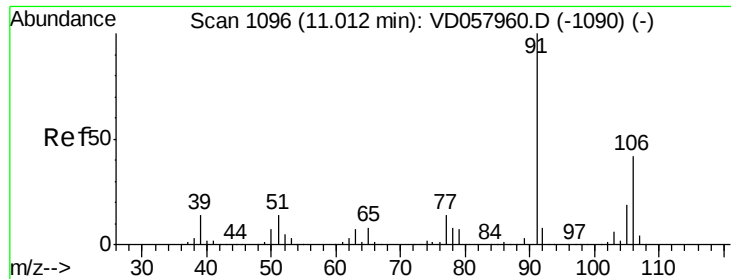
Tot Ion:131 Resp: 168367
 Ion Ratio Lower Upper
 131 100
 133 93.7 46.9 140.6
 119 64.8 31.8 95.3



#67
 Ethyl Benzene
 Concen: 46.29 ug/l
 RT: 10.85 min Scan# 1079
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 91 Resp: 611040
 Ion Ratio Lower Upper
 91 100
 106 27.8 21.5 32.3

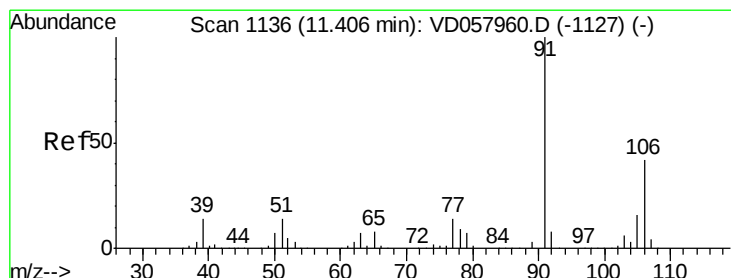
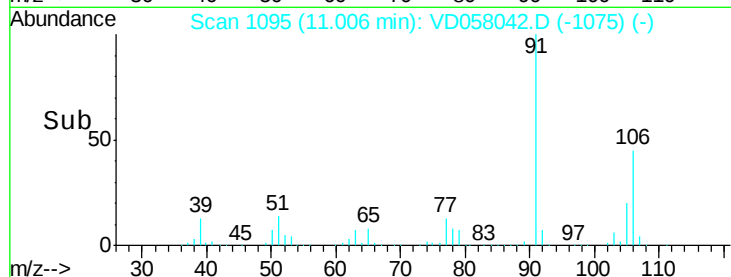
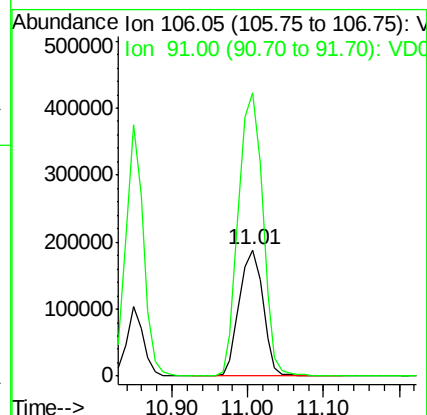
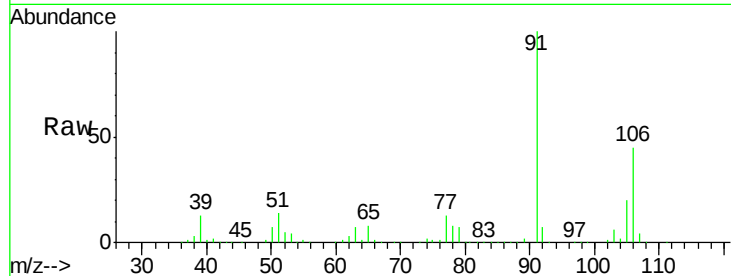




#68
m/p-Xylenes
Concen: 95.34 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

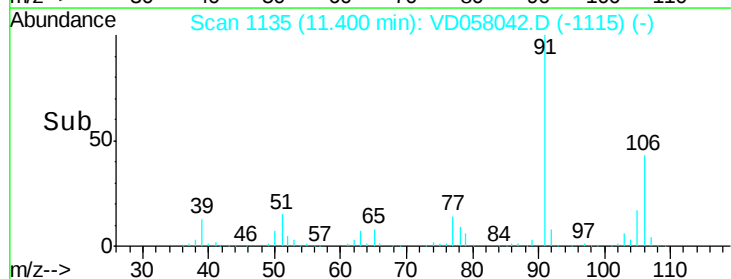
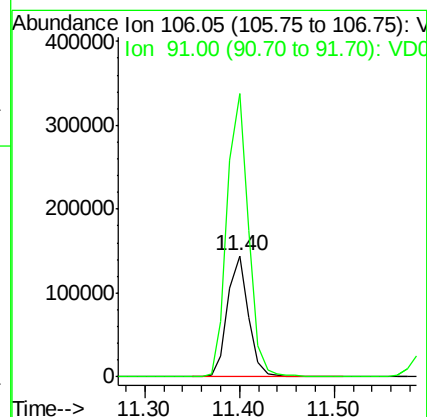
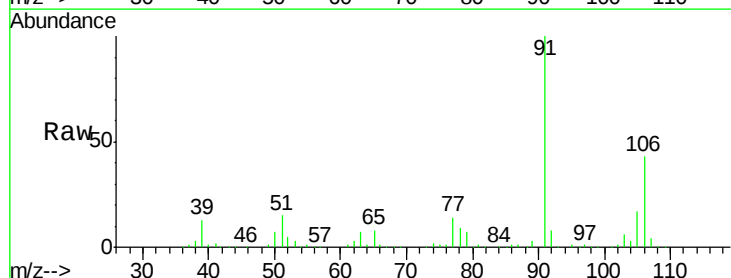
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

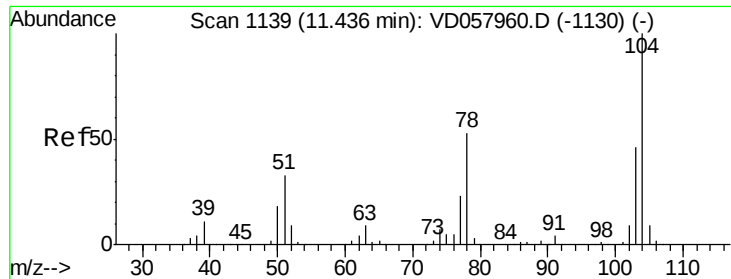
Tot Ion:106 Resp: 410314
Ion Ratio Lower Upper
106 100
91 224.1 190.4 285.6



#69
o-Xylene
Concen: 51.52 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion:106 Resp: 220068
Ion Ratio Lower Upper
106 100
91 233.8 120.6 361.7

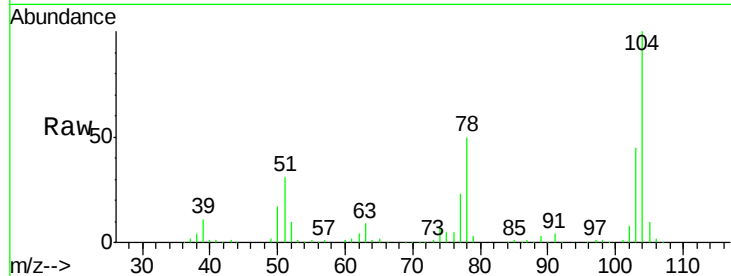




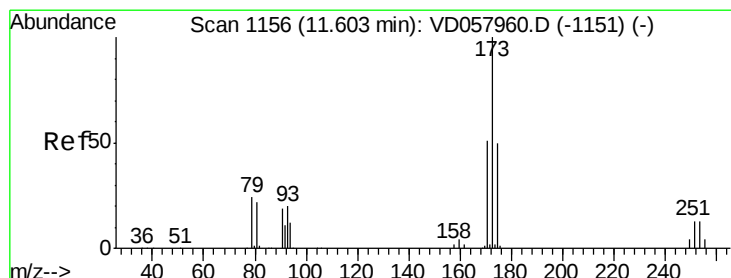
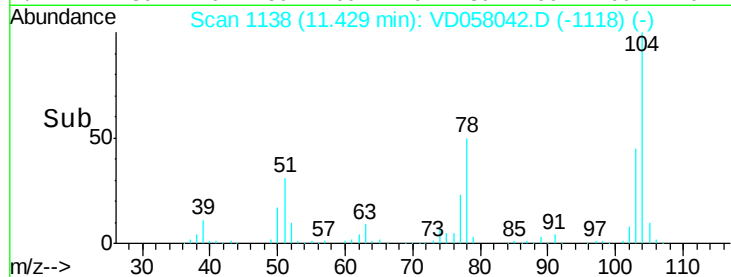
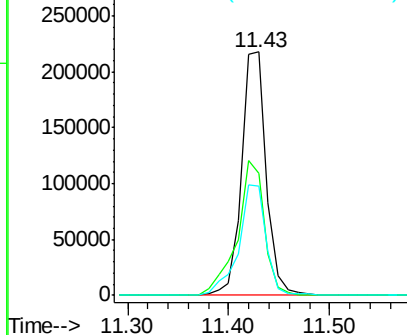
#70
Stvrene
Concen: 52.31 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

Tot Ion:104 Resp: 369945
Ion Ratio Lower Upper
104 100
78 50.2 42.1 63.1
103 44.8 37.0 55.6

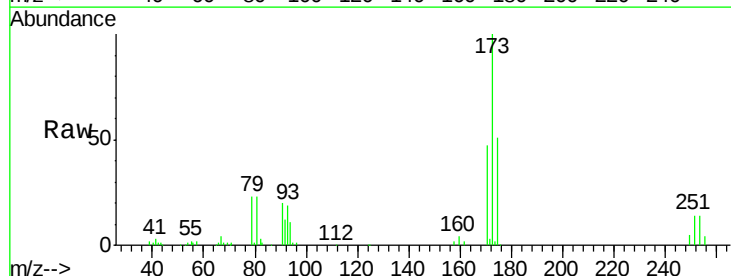


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

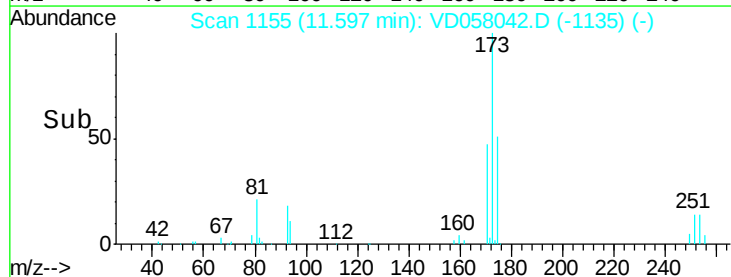
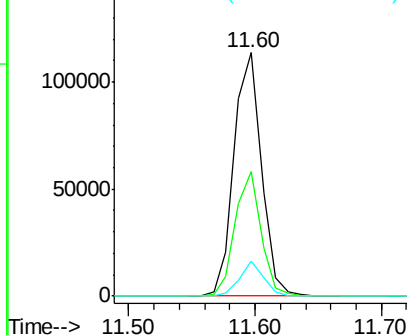


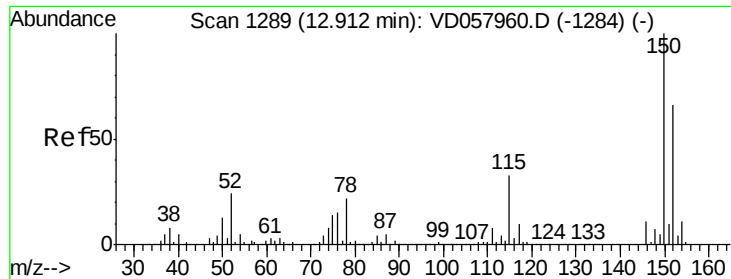
#71
Bromoform
Concen: 80.59 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion:173 Resp: 170201
Ion Ratio Lower Upper
173 100
175 51.0 25.1 75.2
254 14.4 10.7 16.1



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: 50.00 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

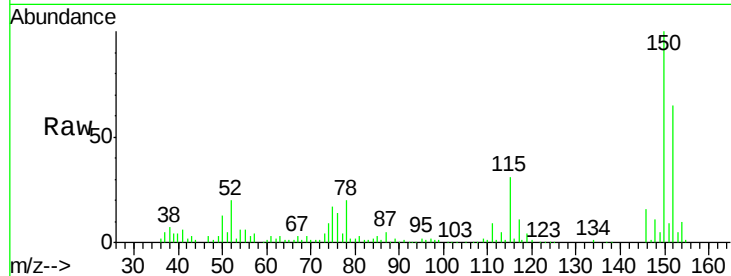
Tot Ion:152 Resp: 178206

Ion Ratio Lower Upper

152 100

115 48.4 25.6 76.6

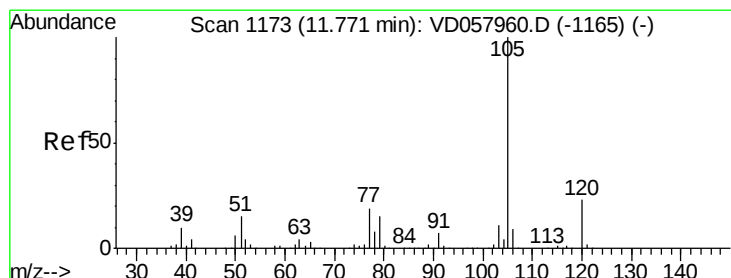
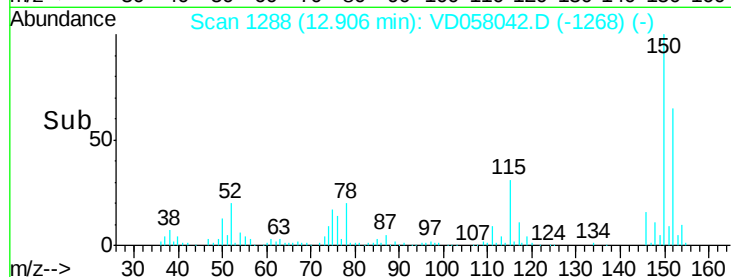
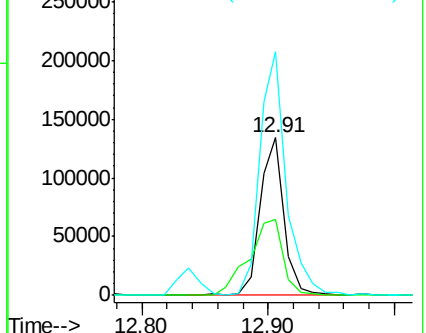
150 154.3 0.0 306.8



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: 45.39 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD058042.D

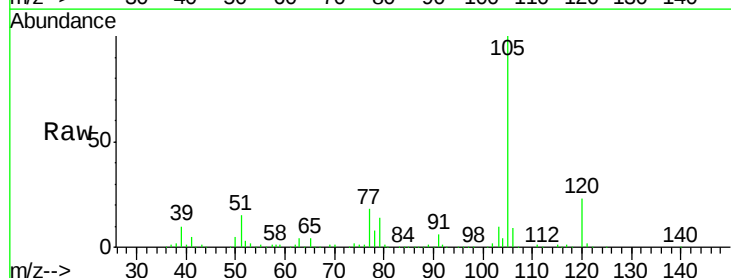
Acq: 9 Jun 2018 4:30

Tgt Ion:105 Resp: 535783

Ion Ratio Lower Upper

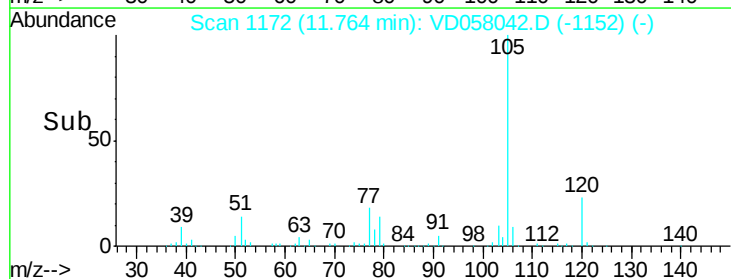
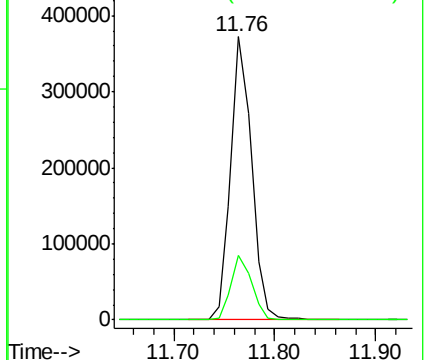
105 100

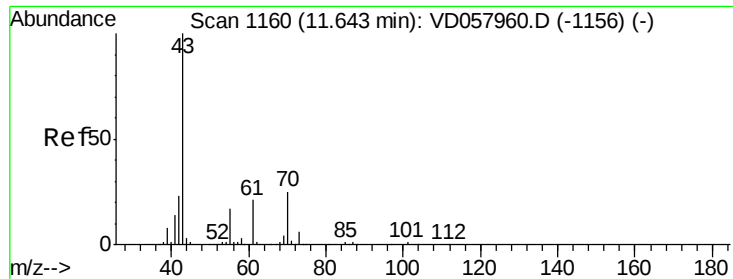
120 22.7 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 79.21 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

Tot Ion: 43 Resp: 360778

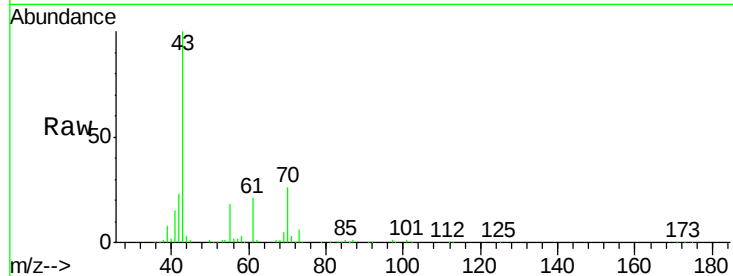
Ion Ratio Lower Upper

43 100

70 25.9 20.3 30.5

55 17.8 13.9 20.9

61 20.7 16.6 24.8

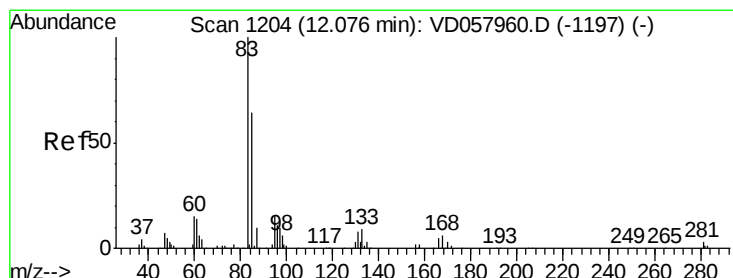
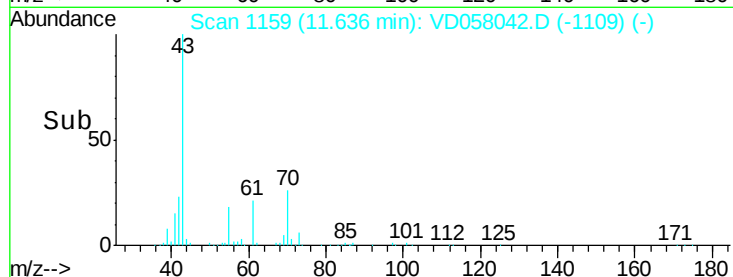
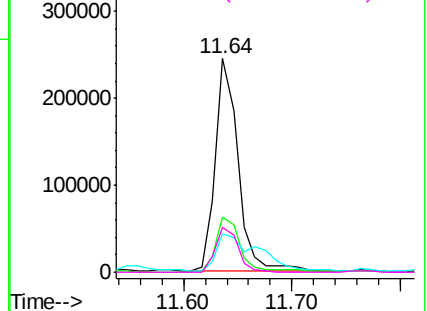


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#75

1,1,2,2-Tetrachloroethane

Concen: 98.93 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

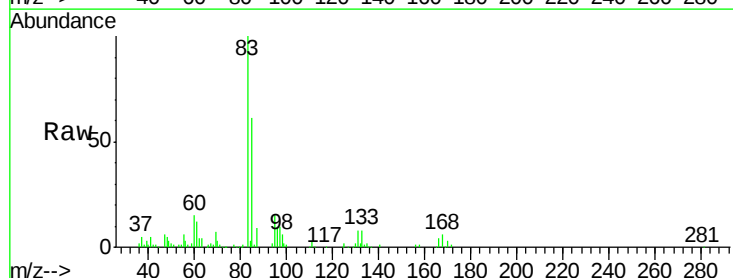
Tgt Ion: 83 Resp: 254595

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.6

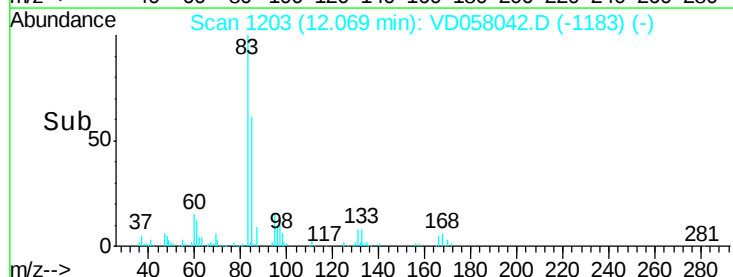
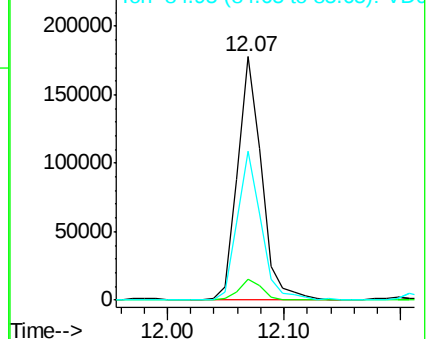
85 61.2 31.9 95.5

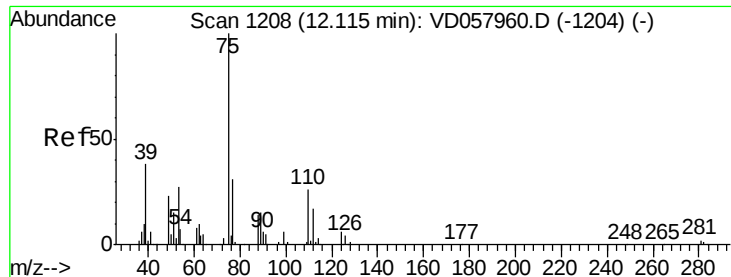


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#76

1,2,3-Trichloropropane

Concen: 92.31 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

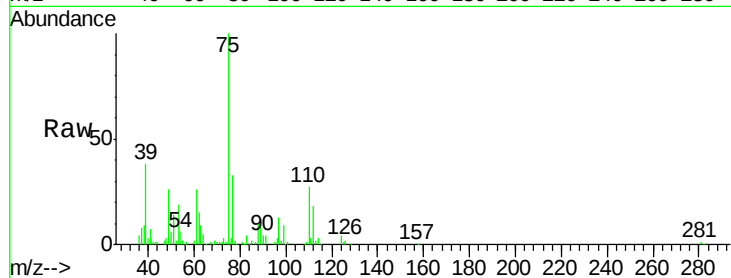
CAS1-SB-02-03-1-27MS

Tot Ion: 75 Resp: 247109

Ion Ratio Lower Upper

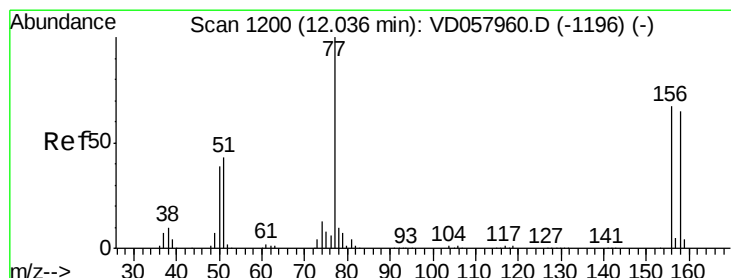
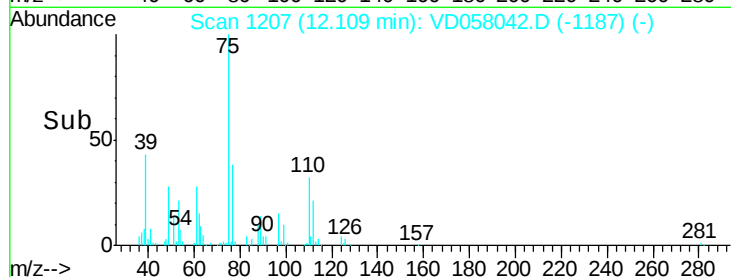
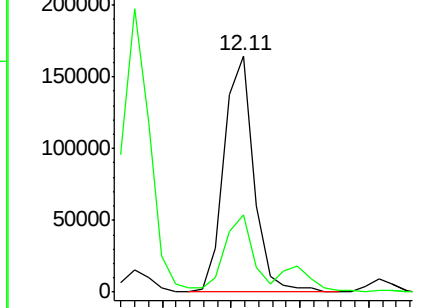
75 100

77 32.9 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#77

Bromobenzene

Concen: 55.12 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

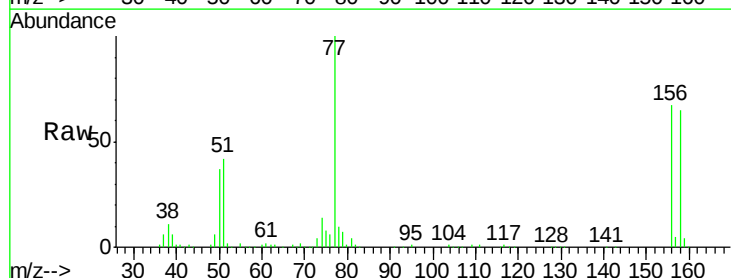
Tgt Ion: 156 Resp: 192593

Ion Ratio Lower Upper

156 100

77 148.5 75.0 224.8

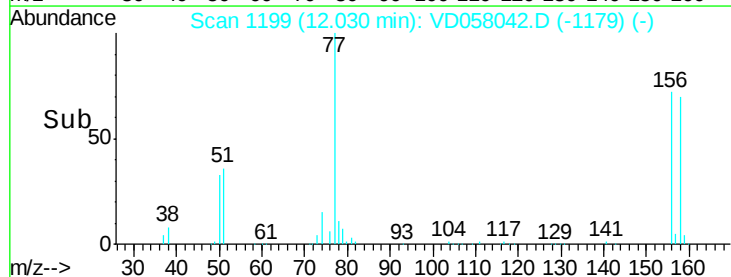
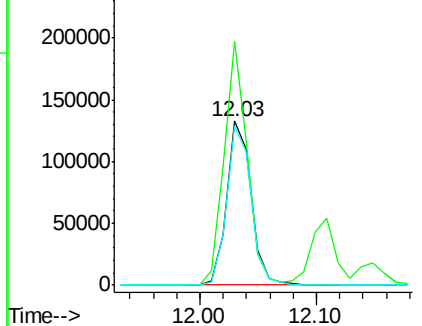
158 96.7 48.6 145.9

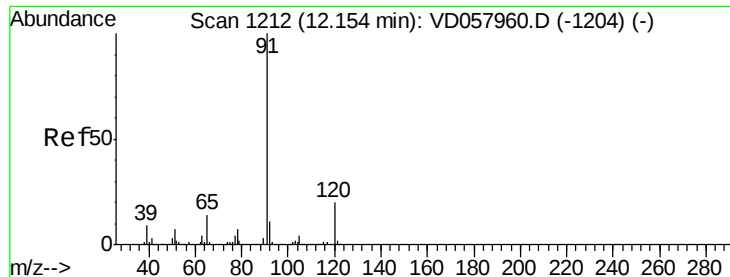


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#78

n-propylbenzene

Concen: 42.55 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

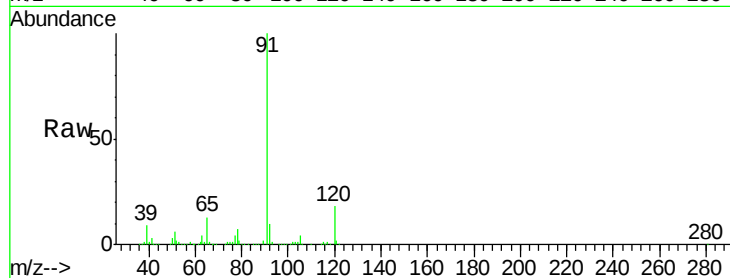
CAS1-SB-02-03-1-27MS

Tot Ion: 91 Resp: 653566

Ion Ratio Lower Upper

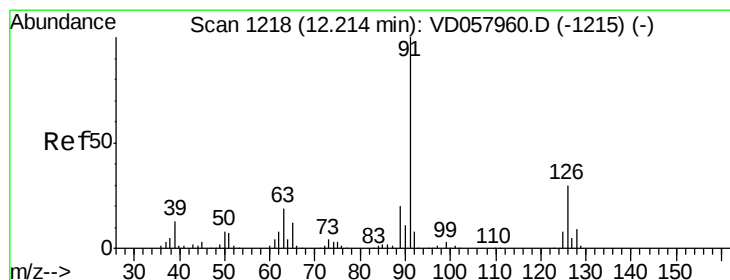
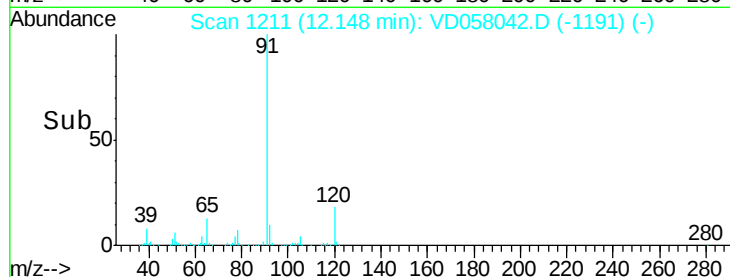
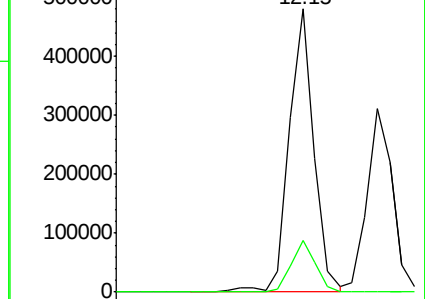
91 100

120 18.5 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 49.44 ug/l

RT: 12.21 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD058042.D

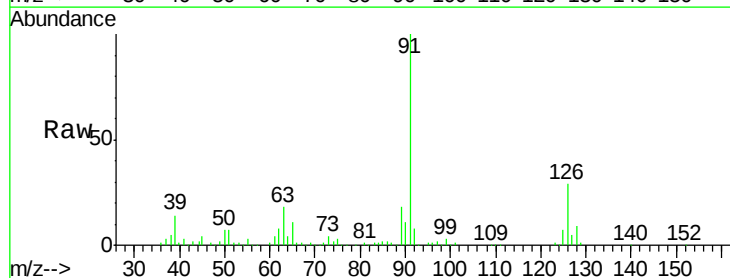
Acq: 9 Jun 2018 4:30

Tgt Ion: 91 Resp: 433208

Ion Ratio Lower Upper

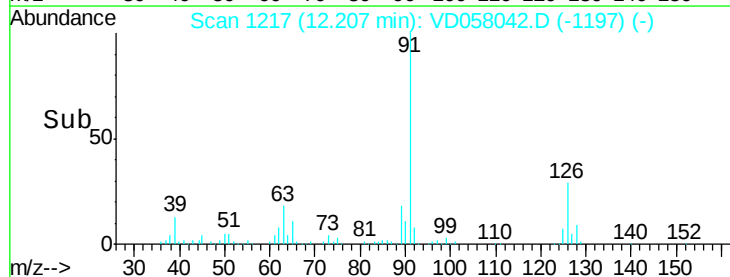
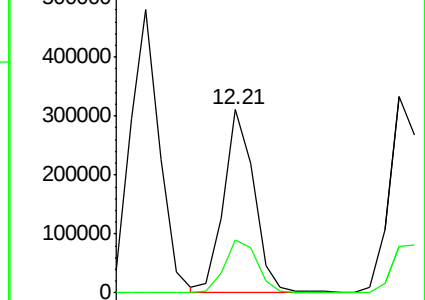
91 100

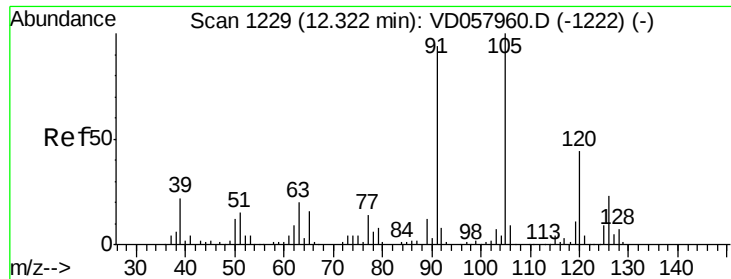
126 28.6 14.6 44.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

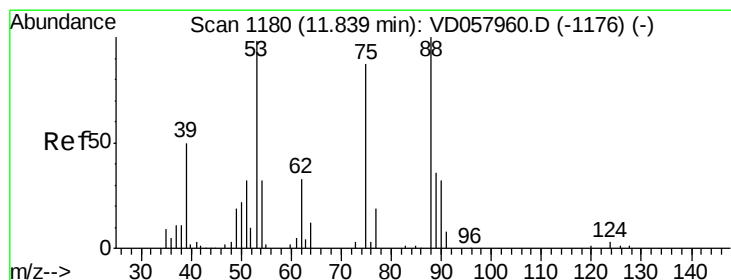
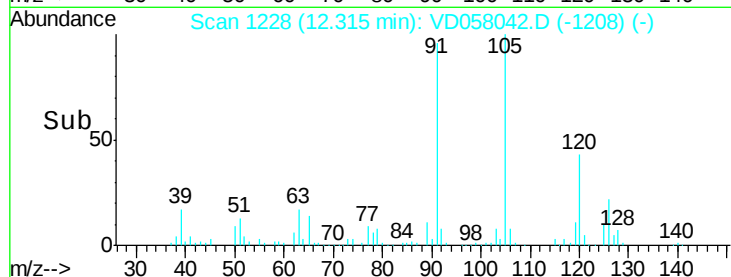
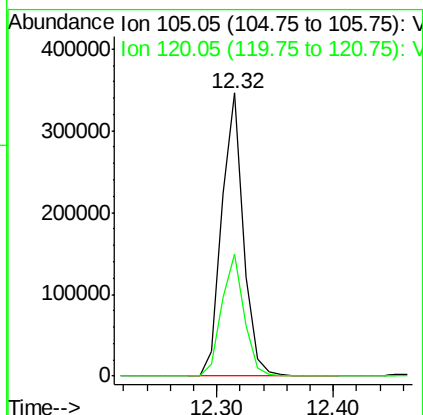
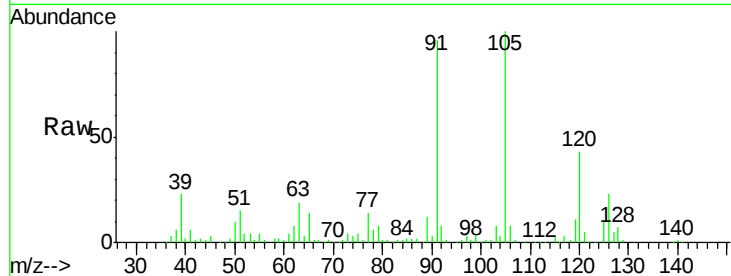




#80
 1,3,5-Trimethylbenzene
 Concen: 48.42 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

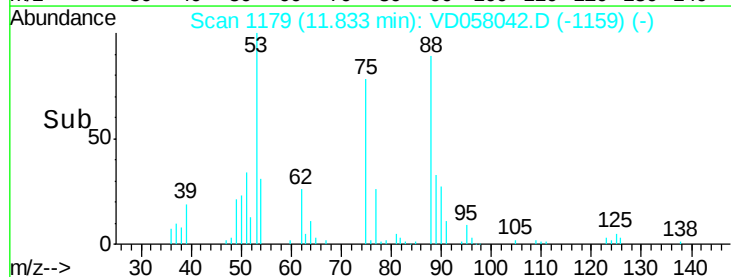
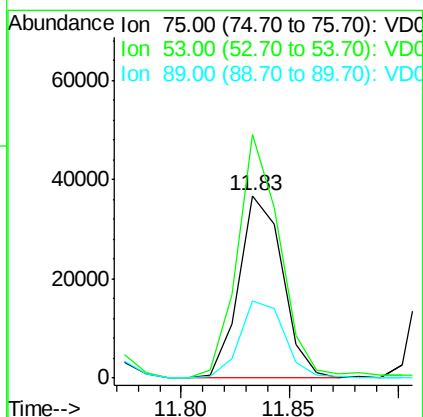
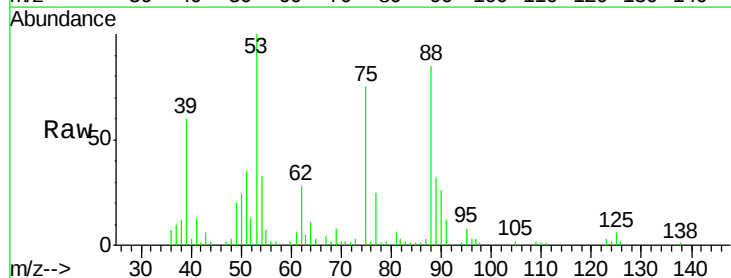
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

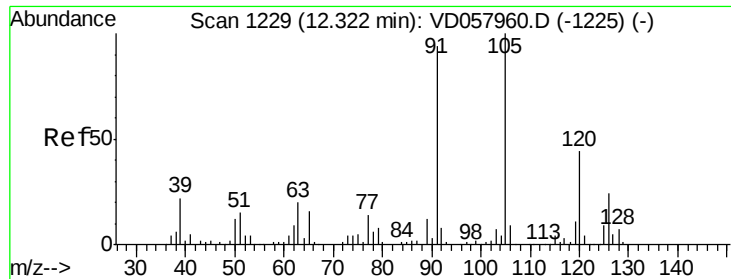
Tot Ion:105 Resp: 445688
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.0 66.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.66 ug/l
 RT: 11.83 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 75 Resp: 51488
 Ion Ratio Lower Upper
 75 100
 53 133.3 89.3 133.9
 89 42.5 33.3 49.9

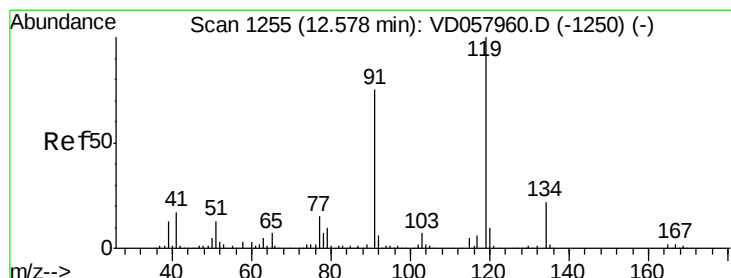
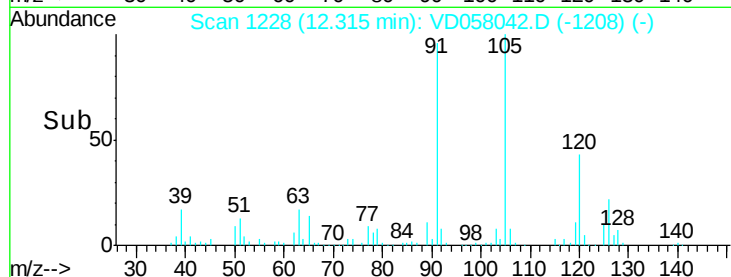
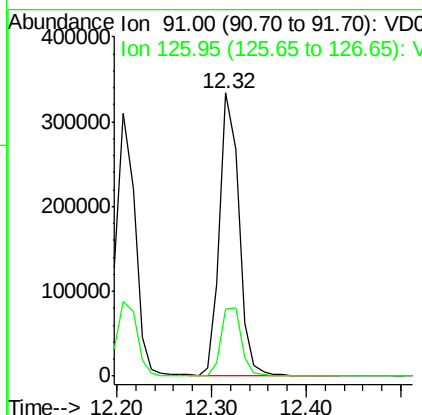
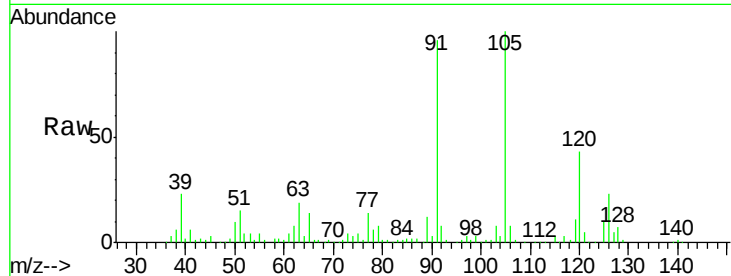




#82
4-Chlorotoluene
Concen: 56.00 ug/l
RT: 12.32 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

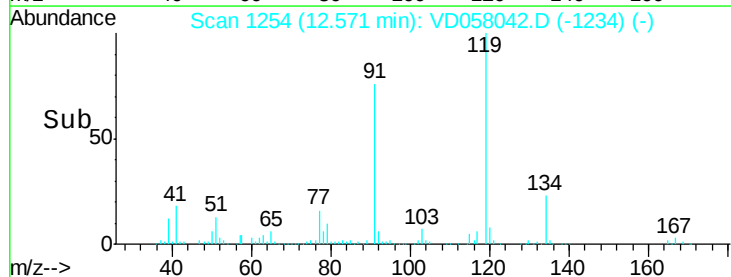
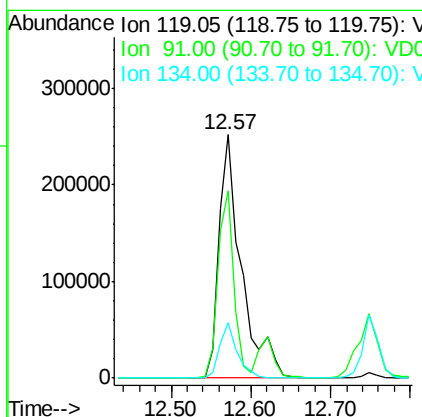
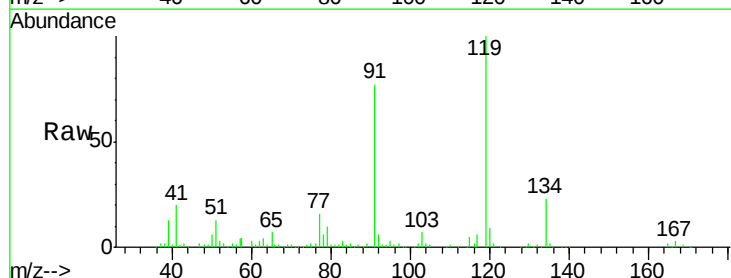
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

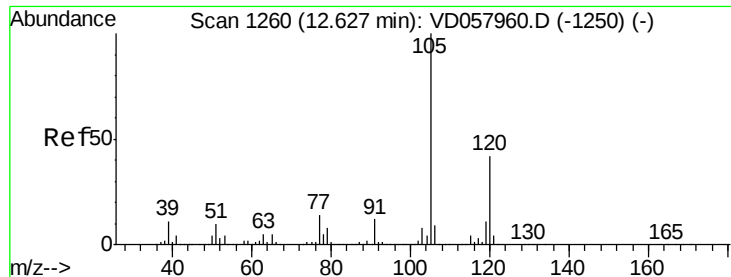
Tot Ion: 91 Resp: 473940
Ion Ratio Lower Upper
91 100
126 23.6 12.5 37.5



#83
tert-Butylbenzene
Concen: 48.00 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 119 Resp: 498865
Ion Ratio Lower Upper
119 100
91 76.8 37.6 112.9
134 22.6 11.2 33.5

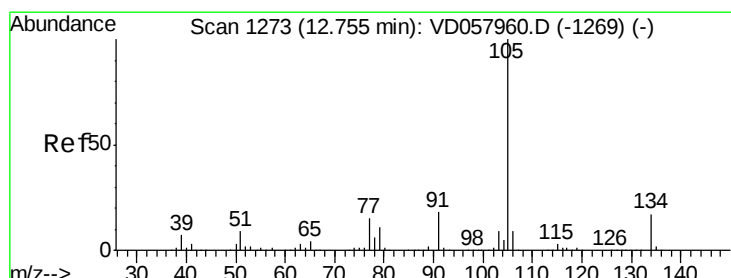
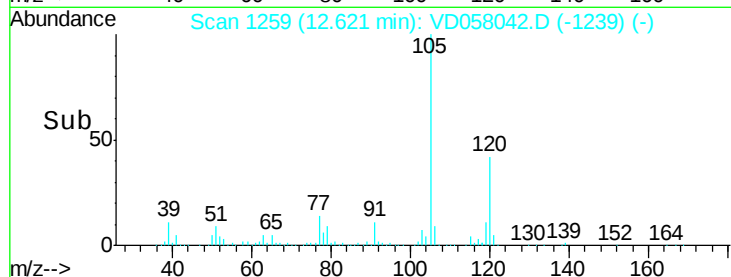
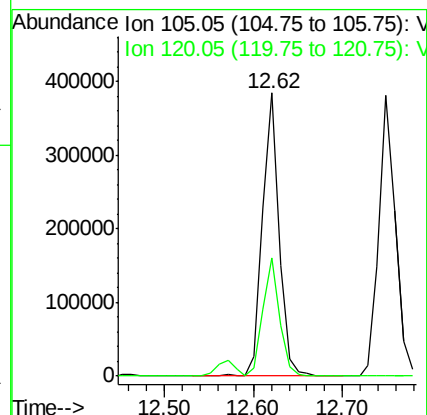
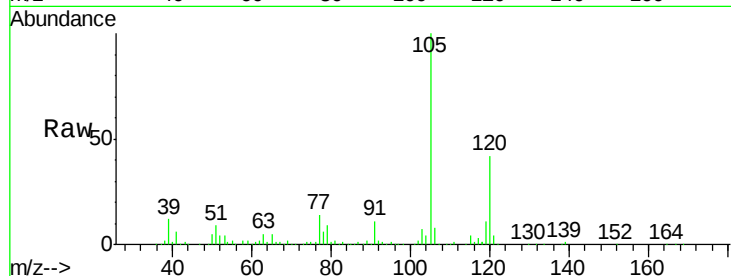




#84
 1,2,4-Trimethylbenzene
 Concen: 49.85 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

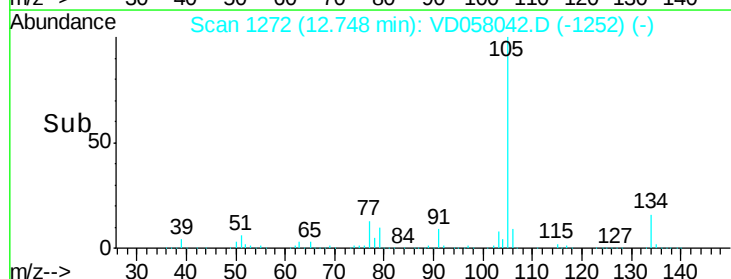
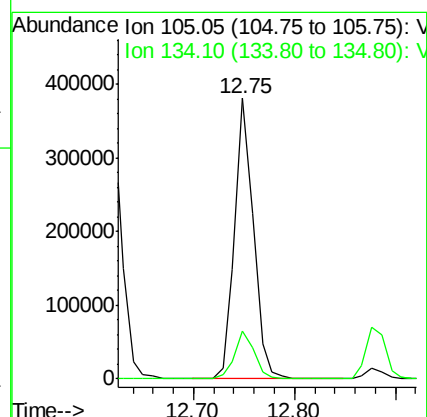
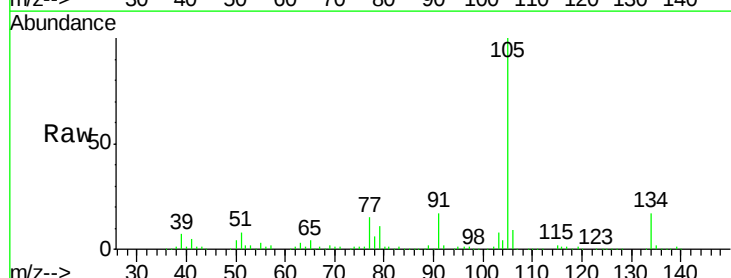
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

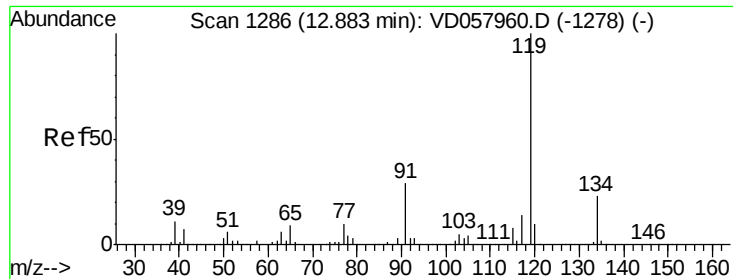
Tot Ion:105 Resp: 493391
 Ion Ratio Lower Upper
 105 100
 120 41.8 21.2 63.6



#85
 sec-Butylbenzene
 Concen: 39.09 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion:105 Resp: 490343
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.3 25.1

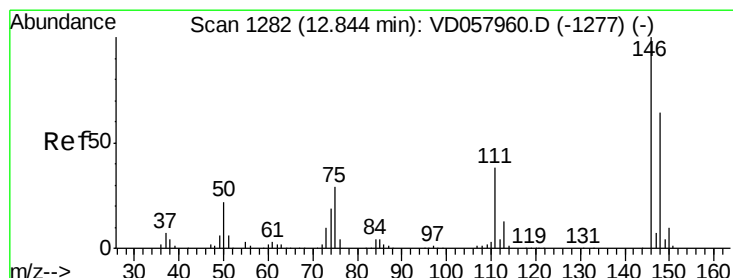
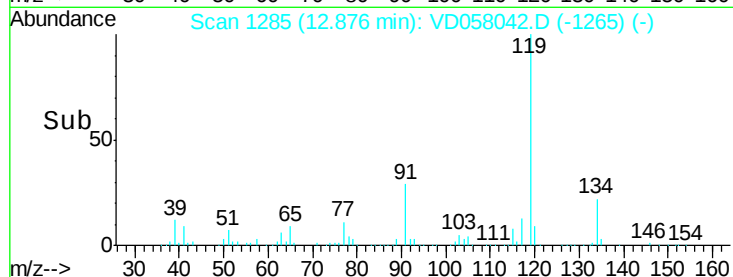
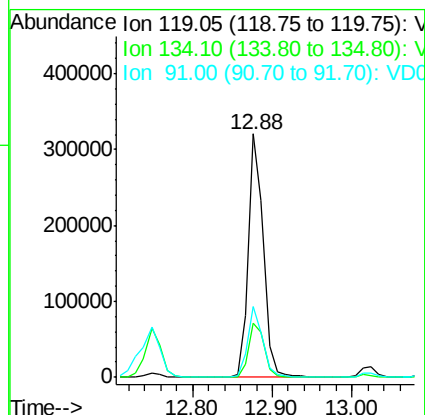
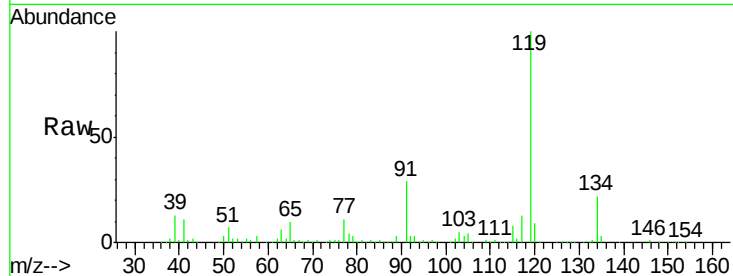




#86
 p-Isopropyltoluene
 Concen: 40.88 ug/l
 RT: 12.88 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

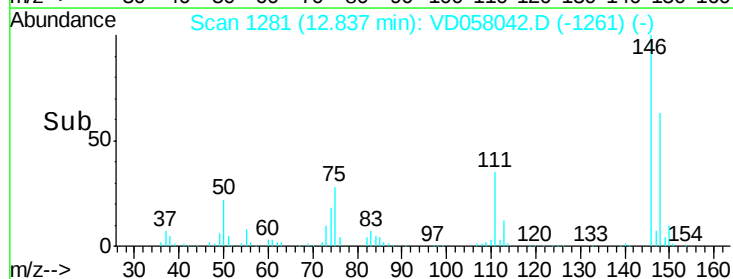
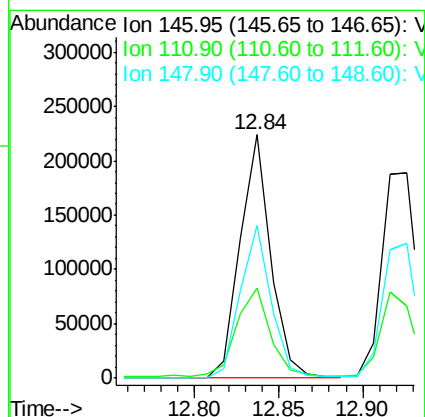
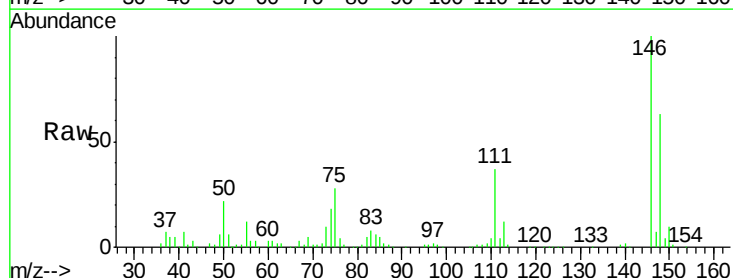
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

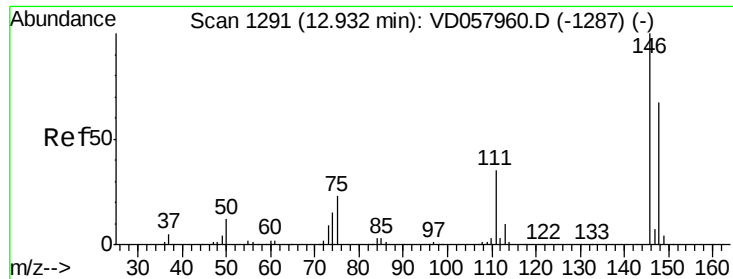
Tot Ion:119 Resp: 413340
 Ion Ratio Lower Upper
 119 100
 134 22.0 11.5 34.4
 91 28.8 14.5 43.6



#87
 1,3-Dichlorobenzene
 Concen: 47.97 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion:146 Resp: 283487
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.3
 148 62.6 32.0 96.2

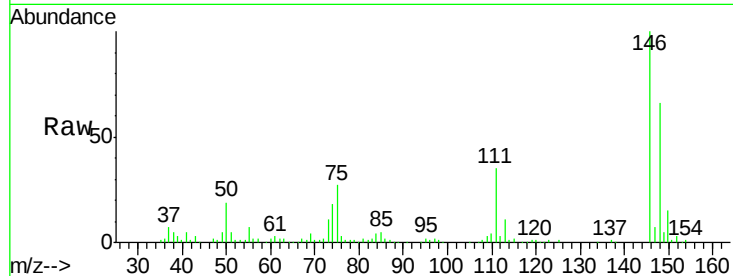




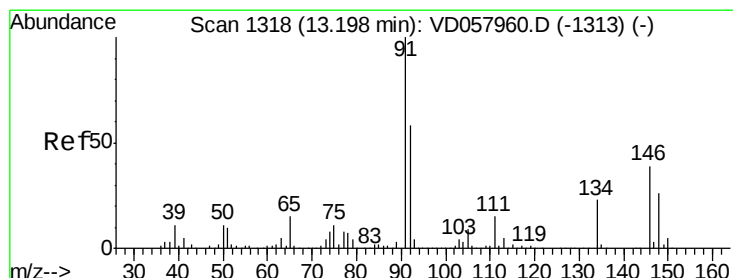
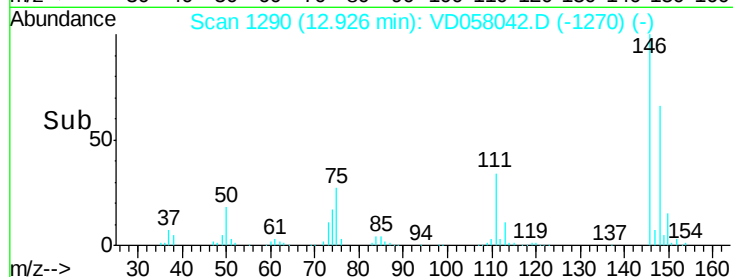
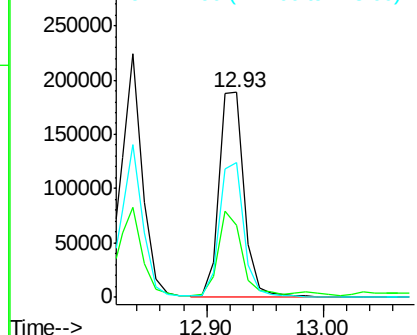
#88
 1,4-Dichlorobenzene
 Concen: 48.67 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

Tot Ion:146 Resp: 280259
 Ion Ratio Lower Upper
 146 100
 111 35.0 17.3 52.0
 148 65.7 33.4 100.2

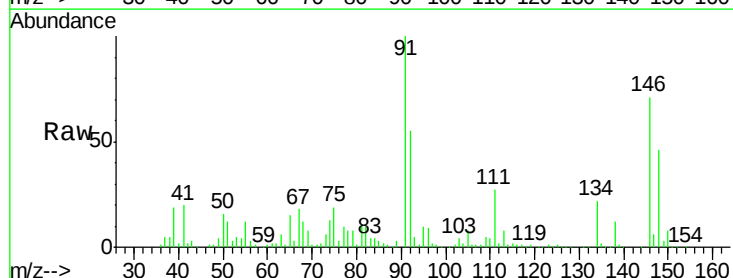


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

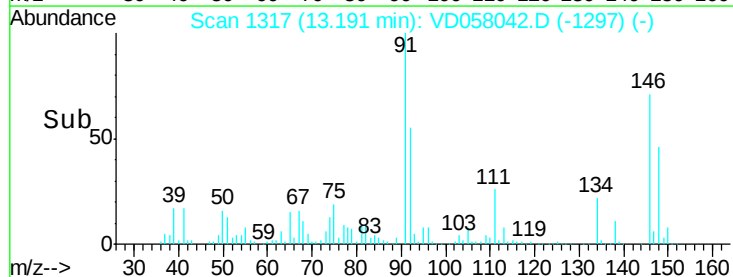
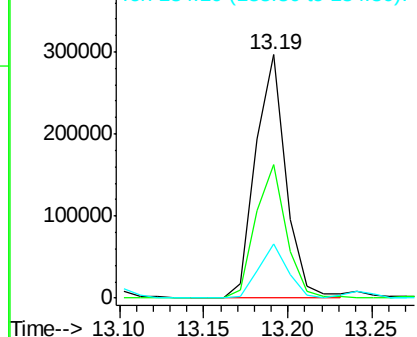


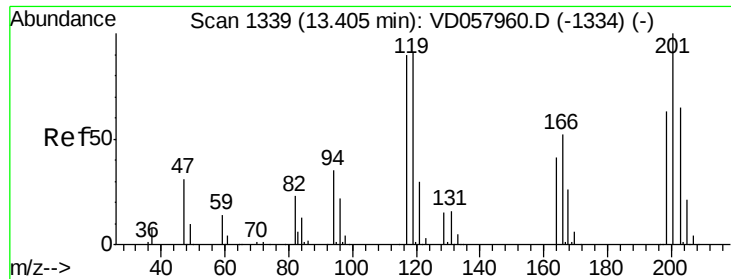
#89
 n-Butylbenzene
 Concen: 39.75 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 91 Resp: 370222
 Ion Ratio Lower Upper
 91 100
 92 55.0 29.2 87.6
 134 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 92.00 (91.70 to 92.70): VDC
 Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 39.42 ug/l

RT: 13.40 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

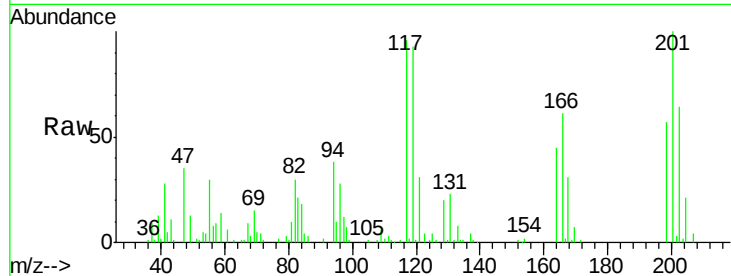
CAS1-SB-02-03-1-27MS

Tot Ion:117 Resp: 101719

Ion Ratio Lower Upper

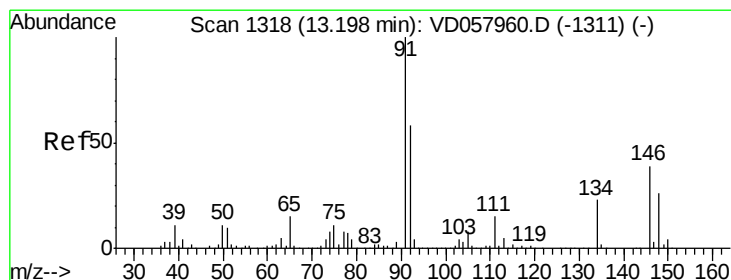
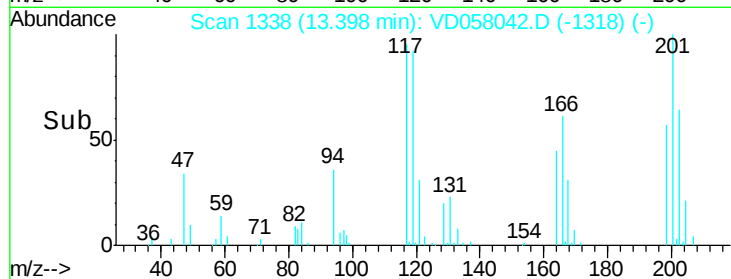
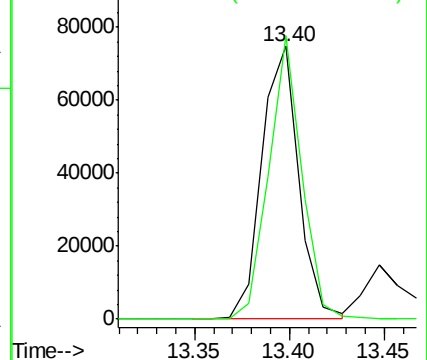
117 100

201 103.7 55.4 166.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 62.14 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

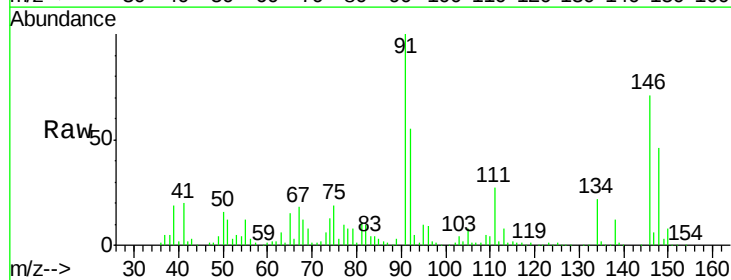
Tgt Ion:146 Resp: 296785

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.2

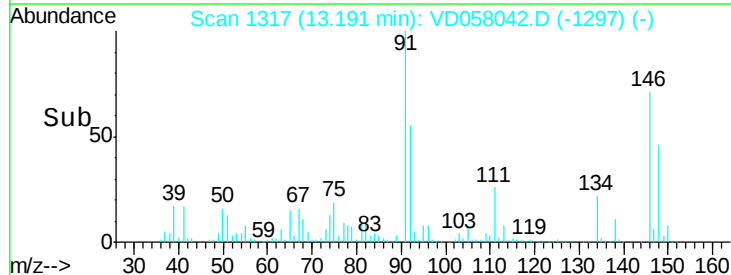
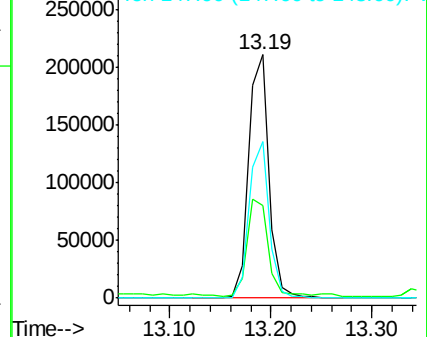
148 64.3 32.6 98.0

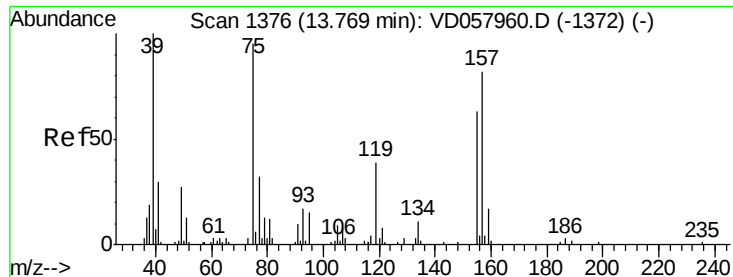


Abundance Ion 145.95 (145.65 to 146.65): V

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: 108.86 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

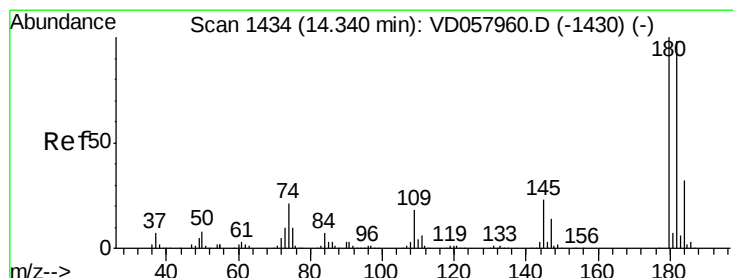
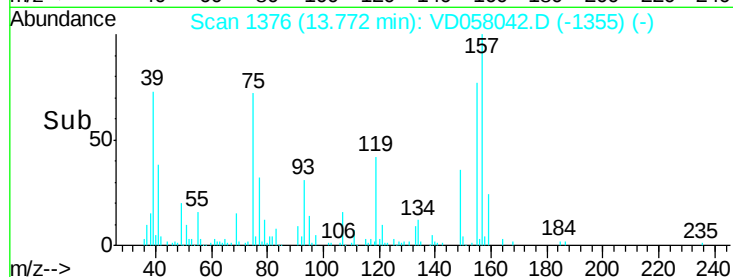
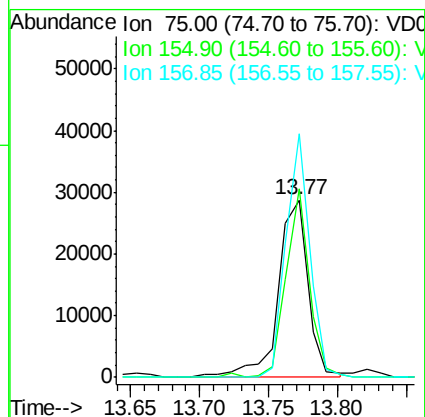
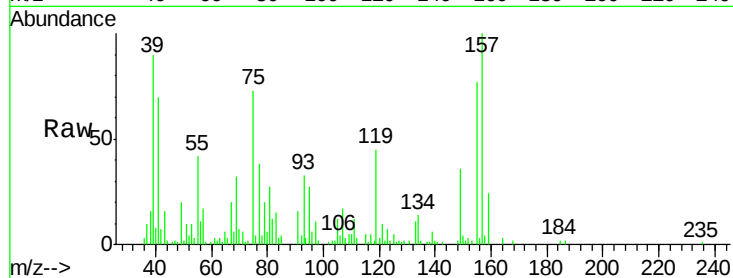
Tot Ion: 75 Resp: 43235

Ion Ratio Lower Upper

75 100

155 106.2 33.4 100.1#

157 137.1 42.9 128.5#



#93

1,2,4-Trichlorobenzene

Concen: 42.98 ug/l

RT: 14.33 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

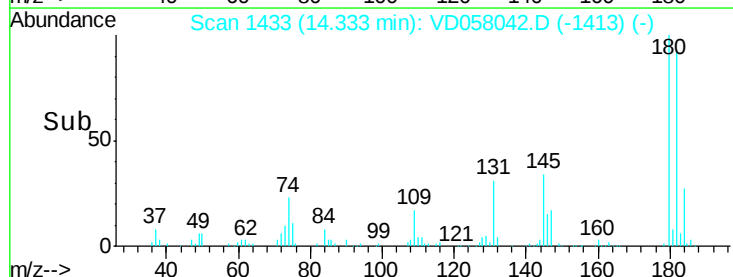
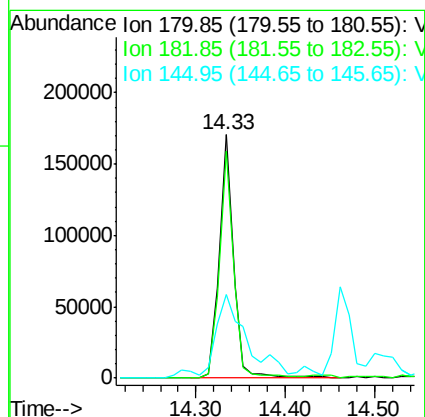
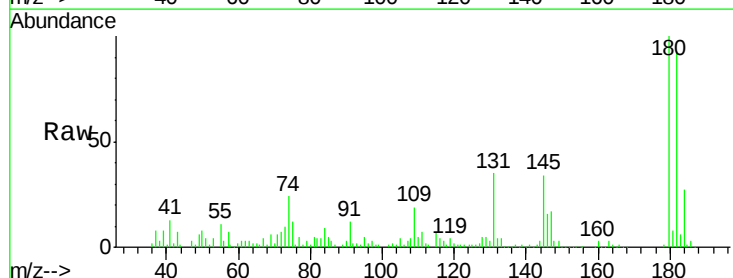
Tgt Ion:180 Resp: 191779

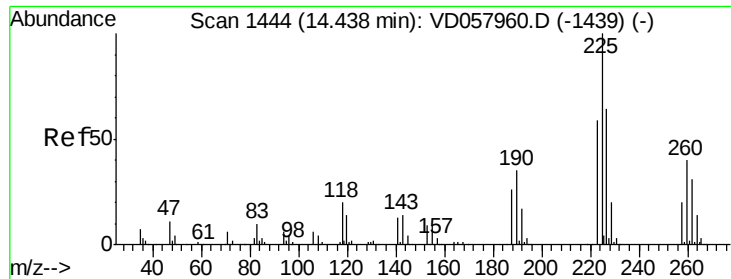
Ion Ratio Lower Upper

180 100

182 93.5 49.0 147.2

145 34.3 11.8 35.3





#94

Hexachlorobutadiene

Concen: 22.14 ug/l

RT: 14.43 min Scan# 1443

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MS

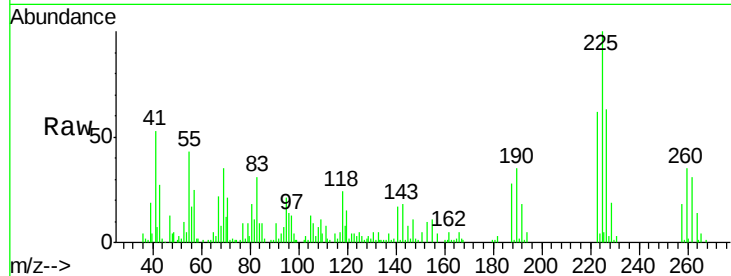
Tot Ion:225 Resp: 77719

Ion Ratio Lower Upper

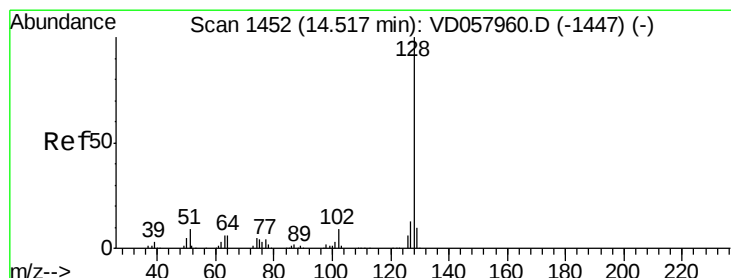
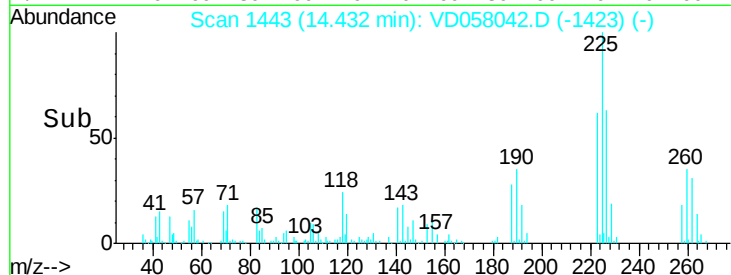
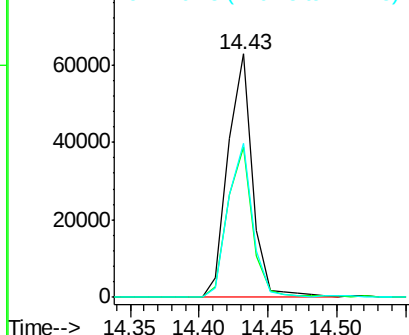
225 100

223 61.7 29.5 88.6

227 63.5 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: 68.69 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

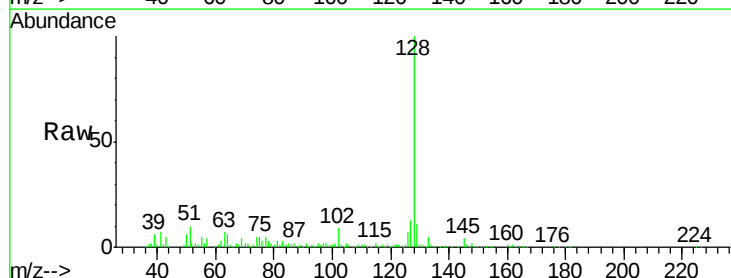
Tgt Ion:128 Resp: 395195

Ion Ratio Lower Upper

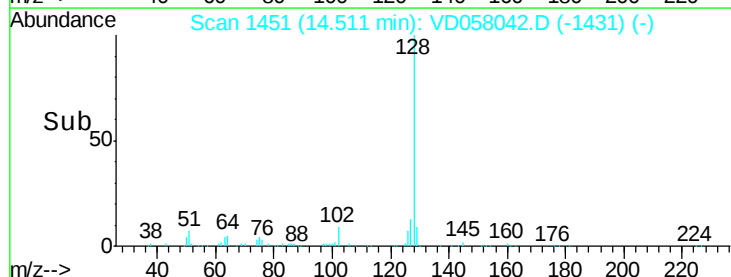
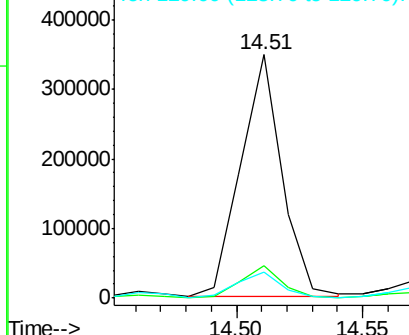
128 100

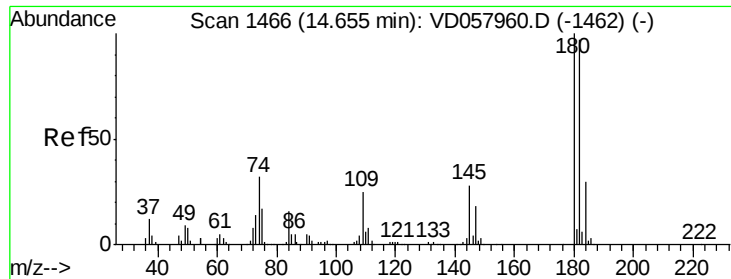
127 13.1 10.2 15.2

129 10.8 8.2 12.2



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: 49.69 ug/l
 RT: 14.66 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.9	48.5	145.5
145	57.1	14.2	42.8

