

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD058003.D
 Acq On : 8 Jun 2018 7:49
 Operator : JC/SY
 Sample : J3354-03MS
 Misc : 16.06g/5ml/MSVOA_D/SOIL
 ALS Vial : 67 Sample Multiplier: 1

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

Quant Time: Jun 08 08:46:57 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	725856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	1030990	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	794386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	362957	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	427101	58.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.72%	
35) Dibromofluoromethane	5.55	113	453116	56.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.60%	
50) Toluene-d8	8.70	98	1023188	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
62) 4-Bromofluorobenzene	11.92	95	423468	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.36	85	457445	46.956	ug/l	97
3) Chloromethane	1.49	50	240667	50.161	ug/l	98
4) Vinyl Chloride	1.57	62	228275	49.152	ug/l	97
5) Bromomethane	1.81	94	112206	61.645	ug/l	100
6) Chloroethane	1.90	64	113382	61.878	ug/l	93
7) Trichlorofluoromethane	2.09	101	369455	58.196	ug/l	94
8) Diethyl Ether	2.35	74	74765	63.395	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.57	101	214008	56.516	ug/l	95
10) Methyl Iodide	2.71	142	274993	56.281	ug/l	98
11) Tert butyl alcohol	3.28	59	62933	323.732	ug/l #	94
12) 1,1-Dichloroethene	2.56	96	156955	53.915	ug/l	99
14) Allyl chloride	2.93	41	348915	51.957	ug/l	96
15) Acrylonitrile	3.36	53	338544	297.683	ug/l	96
16) Acetone	2.62	43	312478	298.878	ug/l	98
17) Carbon Disulfide	2.76	76	479706	45.487	ug/l	99
18) Methyl Acetate	2.94	43	171612	84.851	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	786636	61.410	ug/l	99
20) Methylene Chloride	3.08	84	180886	62.697	ug/l	98
21) trans-1,2-Dichloroethene	3.39	96	319229	49.232	ug/l	97
22) Diisopropyl ether	4.07	45	1632791	61.372	ug/l	95
23) Vinyl Acetate	4.02	43	3053657	222.147	ug/l	98
24) 1,1-Dichloroethane	3.97	63	842873	57.645	ug/l	99
25) 2-Butanone	4.84	43	653072	274.858	ug/l	99
26) 2,2-Dichloropropane	4.80	77	591489	49.107	ug/l	93
27) cis-1,2-Dichloroethene	4.80	96	411047	53.450	ug/l	99
28) Bromochloromethane	5.15	49	380983	60.201	ug/l	98
29) Tetrahydrofuran	5.19	42	357864	287.318	ug/l	99
30) Chloroform	5.32	83	879060	59.737	ug/l	99
31) Cyclohexane	5.59	56	589211	46.695	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	686151	55.688	ug/l	97
36) 1,1-Dichloropropene	5.75	75	529836	46.646	ug/l	97
37) Ethyl Acetate	4.93	43	319651	51.574	ug/l	98
38) Carbon Tetrachloride	5.73	117	574669	51.335	ug/l	99
39) Methylcyclohexane	7.28	83	499152	44.329	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.01	78	1417527	53.421	ug/l	98
41) Methacrylonitrile	5.13	41	177235	62.540	ug/l	97
42) 1,2-Dichloroethane	6.13	62	594312	55.396	ug/l	99
43) Isopropyl Acetate	7.61	43	402721	49.607	ug/l	98
44) Trichloroethene	6.98	130	366727	47.315	ug/l	98
45) 1,2-Dichloropropane	7.34	63	430028	58.310	ug/l	96
46) Dibromomethane	7.46	93	258564	54.577	ug/l	98
47) Bromodichloromethane	7.74	83	626577	56.486	ug/l	99
48) Methyl methacrylate	7.50	41	274705	54.977	ug/l	96
49) 1,4-Dioxane	7.49	88	47538	1148.427	ug/l	88
51) 4-Methyl-2-Pentanone	8.59	43	1443035	277.126	ug/l	98
52) Toluene	8.80	92	814380	53.477	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	458372	47.962	ug/l	98
54) cis-1,3-Dichloropropene	8.36	75	569150	50.550	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	277549	56.314	ug/l	97
56) Ethyl methacrylate	9.30	69	351354	58.116	ug/l	97
57) 1,3-Dichloropropane	9.66	76	467039	54.029	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	816756	267.397	ug/l	97
59) 2-Hexanone	9.78	43	975972	255.759	ug/l	100
60) Dibromochloromethane	9.95	129	399044	57.416	ug/l	99
61) 1,2-Dibromoethane	10.09	107	291842	51.490	ug/l	90
64) Tetrachloroethene	9.51	164	354809	49.960	ug/l	99
65) Chlorobenzene	10.72	112	829471	51.579	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	358456	58.015	ug/l	96
67) Ethyl Benzene	10.85	91	1501680	51.686	ug/l	99
68) m/p-Xylenes	11.00	106	983557	103.844	ug/l	98
69) o-Xylene	11.40	106	503181	53.521	ug/l	95
70) Styrene	11.43	104	804964	51.721	ug/l	97
71) Bromoform	11.59	173	257915	55.489	ug/l	99
73) Isopropylbenzene	11.76	105	1333119	55.453	ug/l	99
74) N-amyl acetate	11.63	43	498351	53.721	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	348550	66.499	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	331033	60.716	ug/l	97
77) Bromobenzene	12.04	156	390661	54.898	ug/l	81
78) n-propylbenzene	12.15	91	1656926	52.966	ug/l	97
79) 2-Chlorotoluene	12.20	91	986216	55.261	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	1045361	55.758	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	72073	53.371	ug/l	94
82) 4-Chlorotoluene	12.32	91	1047698	61.069	ug/l	92
83) tert-Butylbenzene	12.57	119	1135377	53.632	ug/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	1136391	56.373	ug/l	98
85) sec-Butylbenzene	12.75	105	1241003	48.574	ug/l	99
86) p-Isopropyltoluene	12.88	119	1005110	48.811	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	571523	47.479	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	575712	49.087	ug/l	97
89) n-Butylbenzene	13.19	91	860163	46.021	ug/l	98
90) Hexachloroethane	13.40	117	259143	49.307	ug/l	89
91) 1,2-Dichlorobenzene	13.19	146	497863	51.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	54805	67.750	ug/l #	52
93) 1,2,4-Trichlorobenzene	14.33	180	323291	35.572	ug/l	93

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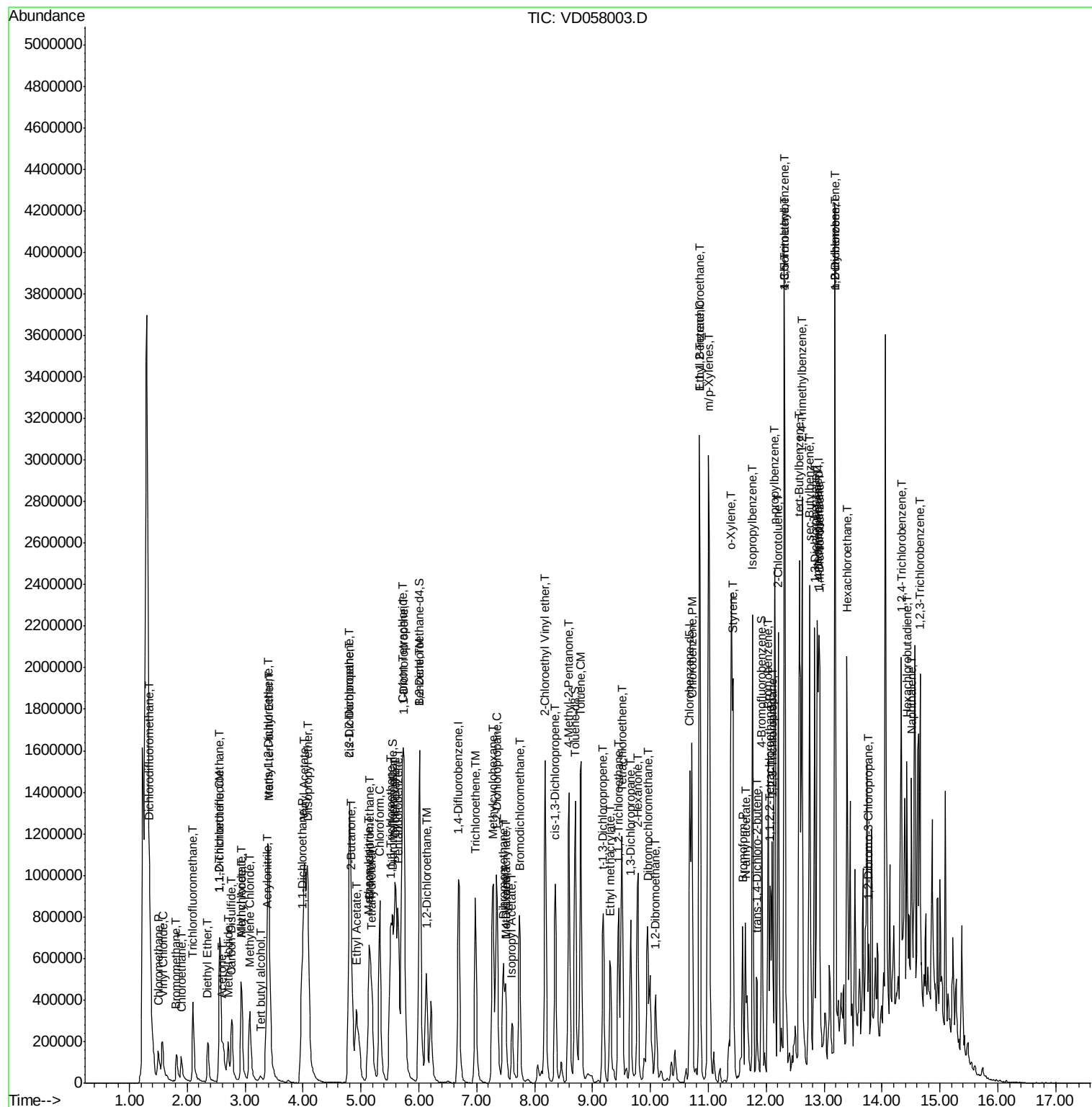
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.43	225	189734	26.541	ug/l	97
95) Naphthalene	14.51	128	523696	44.692	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	286147	36.945	ug/l #	88

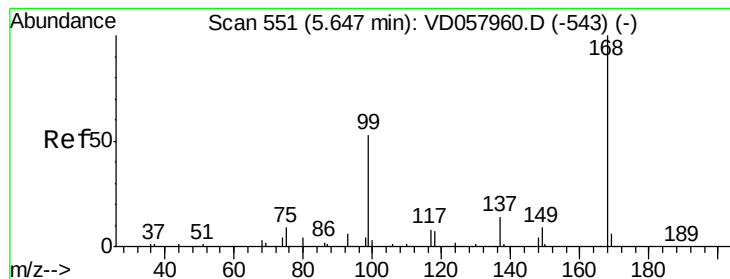
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

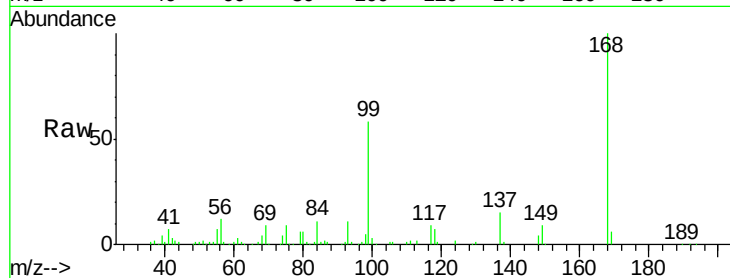
CAS1-SB-02-03-1-27MS

Tgt Ion: 168 Resp: 725856

Ion Ratio Lower Upper

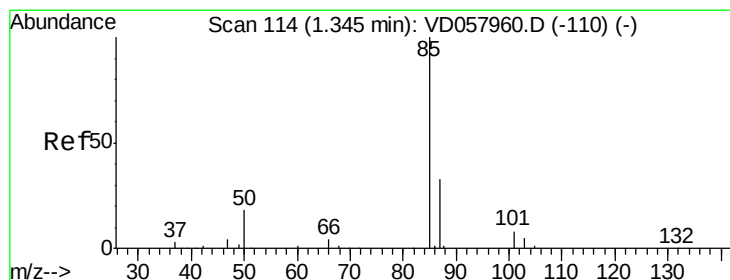
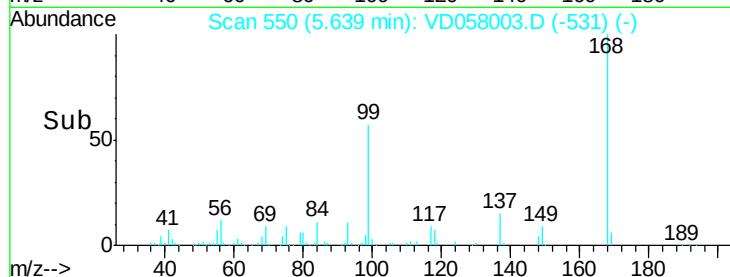
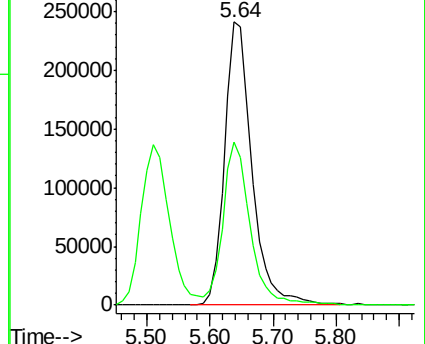
168 100

99 57.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.956 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.01 min

Lab File: VD058003.D

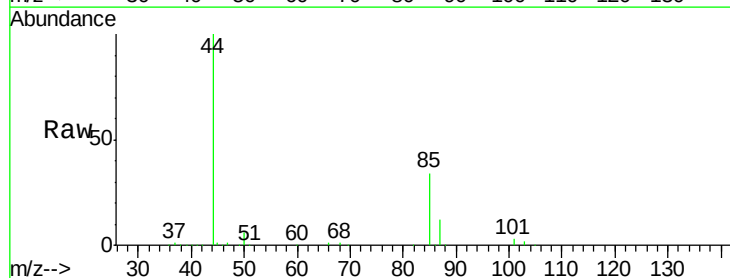
Acq: 8 Jun 2018 7:49

Tgt Ion: 85 Resp: 457445

Ion Ratio Lower Upper

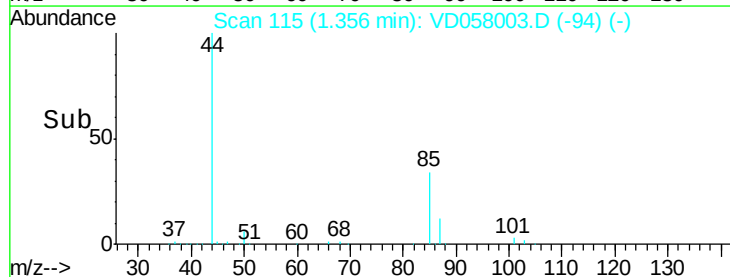
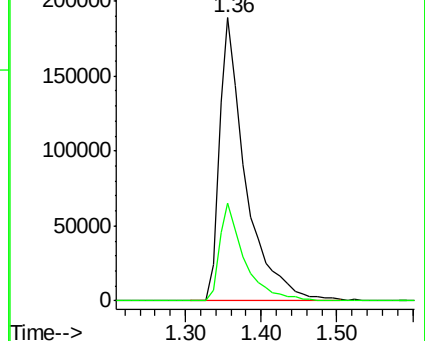
85 100

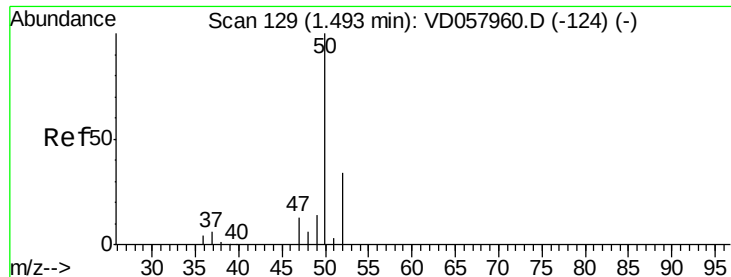
87 34.7 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.161 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

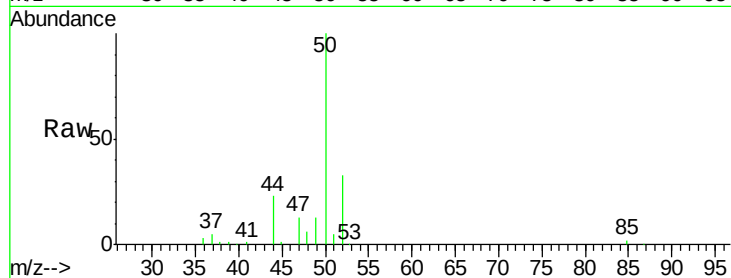
CAS1-SB-02-03-1-27MS

Tgt Ion: 50 Resp: 240667

Ion Ratio Lower Upper

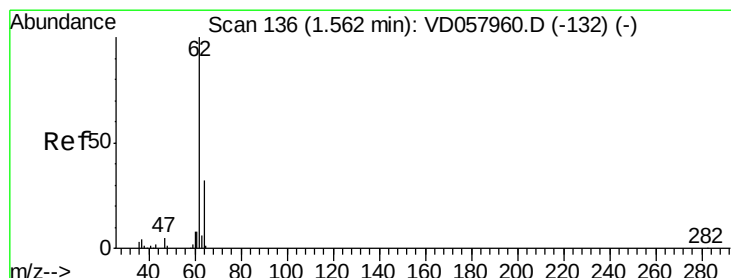
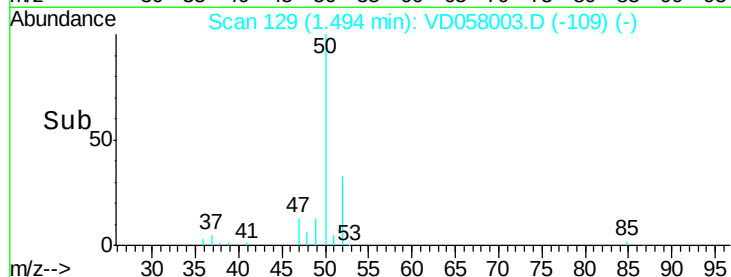
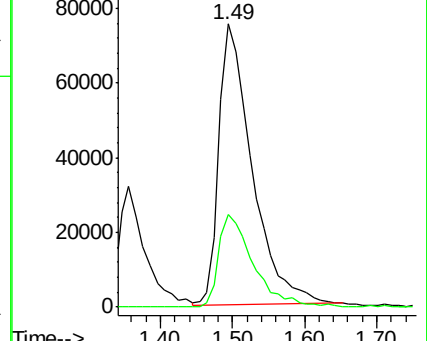
50 100

52 32.7 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.152 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.01 min

Lab File: VD058003.D

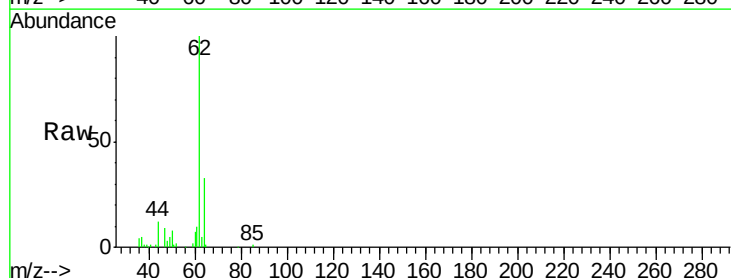
Acq: 8 Jun 2018 7:49

Tgt Ion: 62 Resp: 228275

Ion Ratio Lower Upper

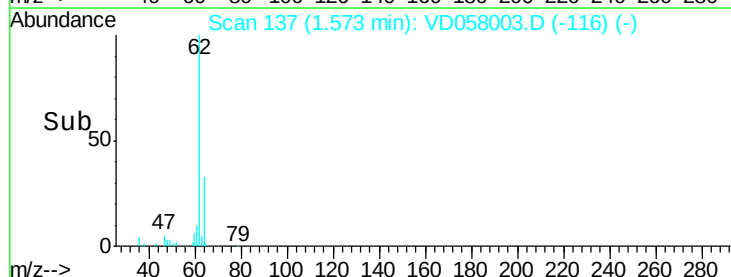
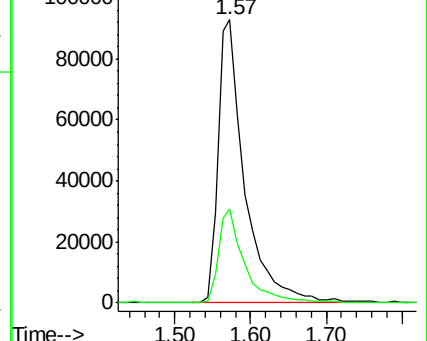
62 100

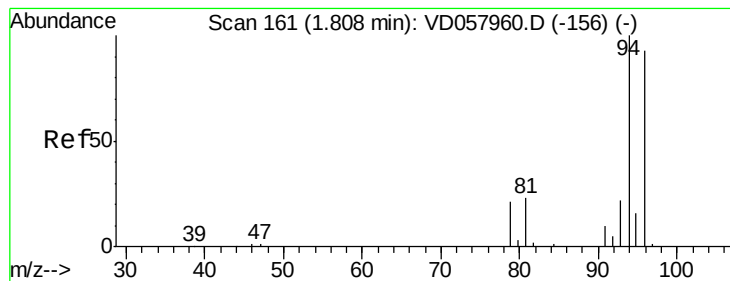
64 33.2 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 61.645 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

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ClientSampleId :

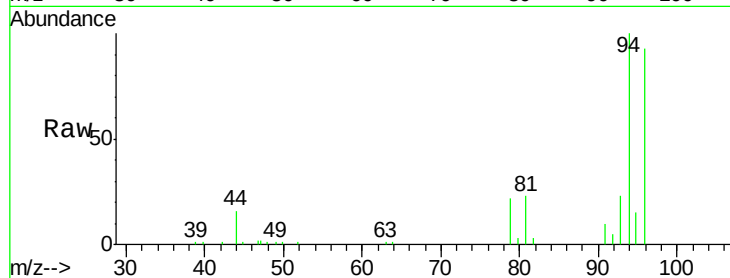
CAS1-SB-02-03-1-27MS

Tgt Ion: 94 Resp: 112206

Ion Ratio Lower Upper

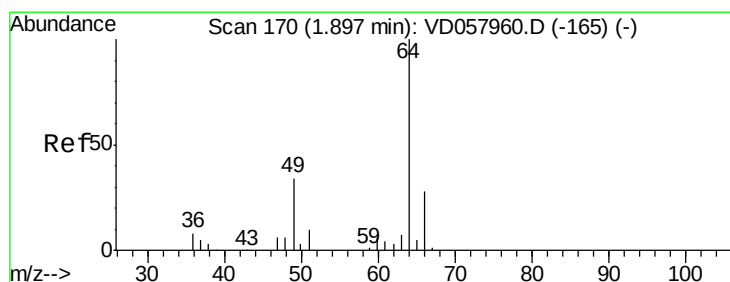
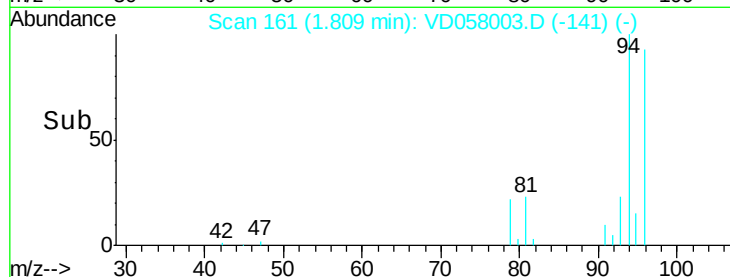
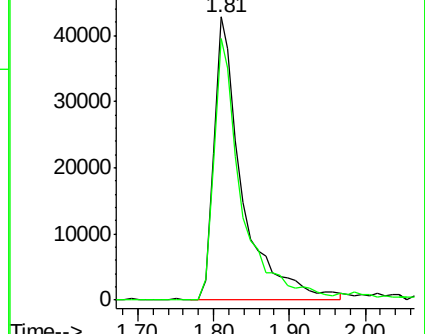
94 100

96 92.6 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: 61.878 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD058003.D

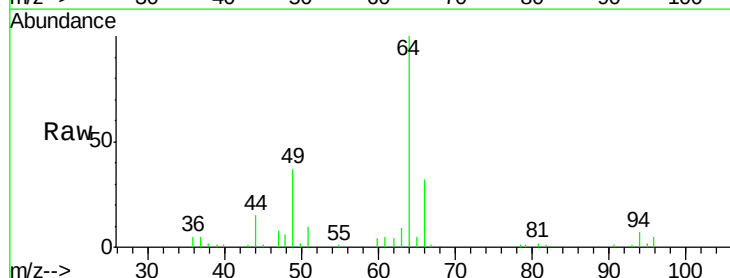
Acq: 8 Jun 2018 7:49

Tgt Ion: 64 Resp: 113382

Ion Ratio Lower Upper

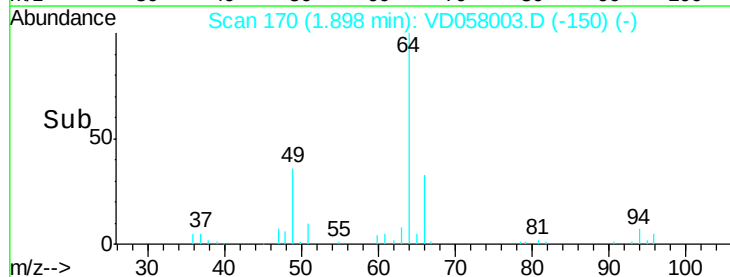
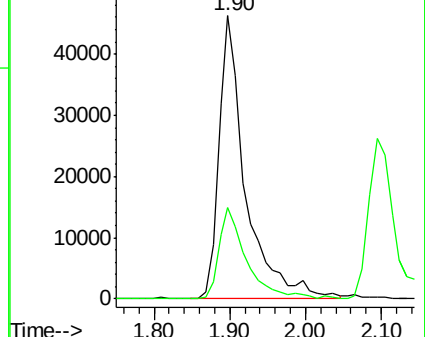
64 100

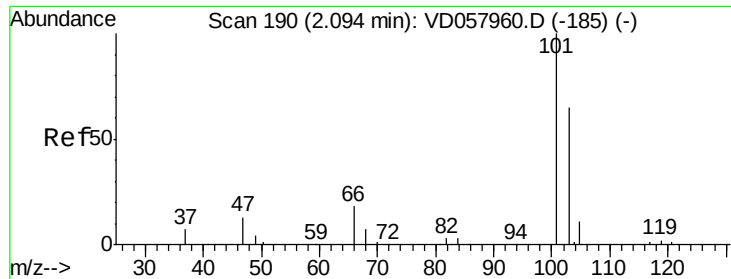
66 32.4 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



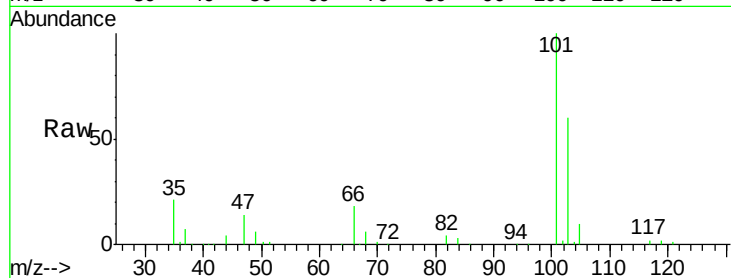


#7

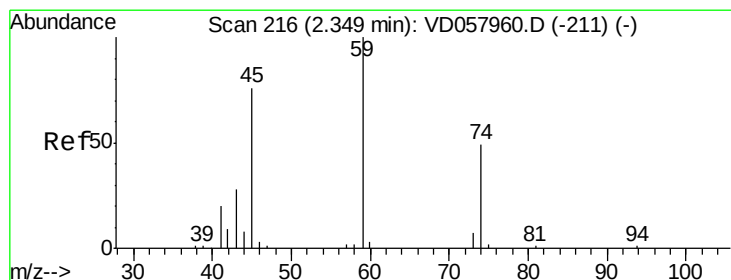
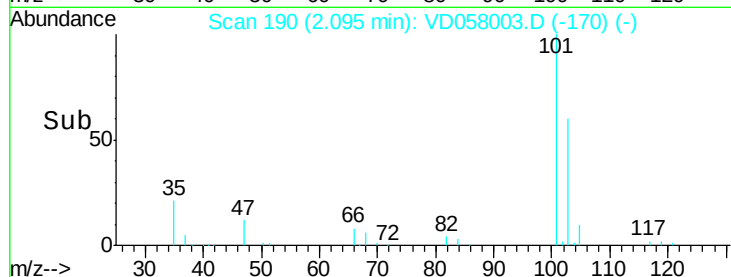
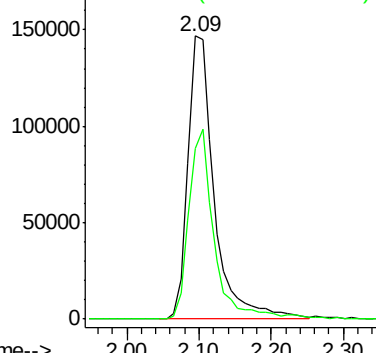
Trichlorofluoromethane
 Concen: 58.196 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VD058003.D
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Tgt Ion: 101 Resp: 369455
 Ion Ratio Lower Upper
 101 100
 103 60.4 52.4 78.6



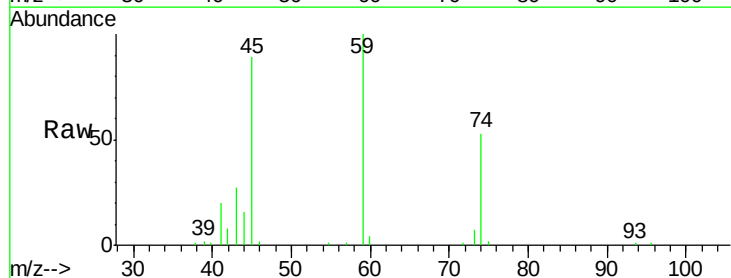
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



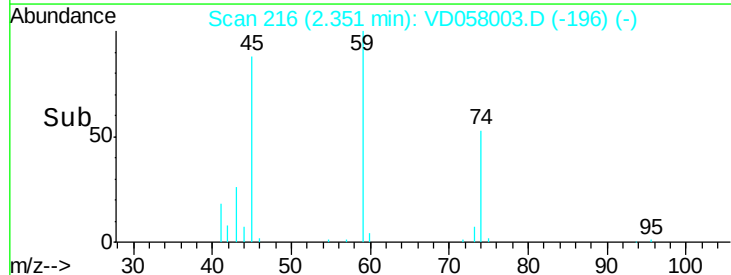
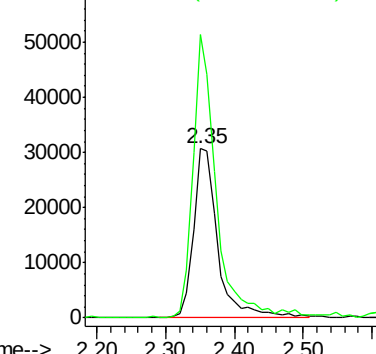
#8

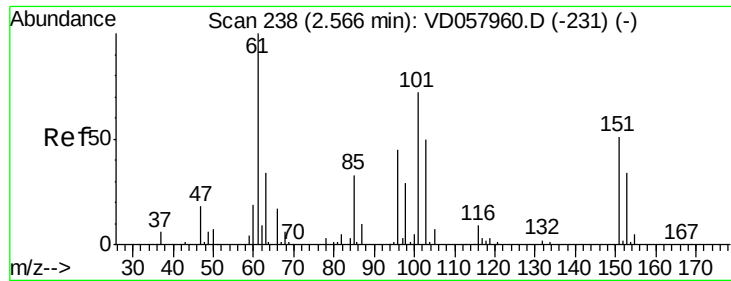
Diethyl Ether
 Concen: 63.395 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
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Tgt Ion: 74 Resp: 74765
 Ion Ratio Lower Upper
 74 100
 45 167.5 77.1 231.3



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: 56.516 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.00 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

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

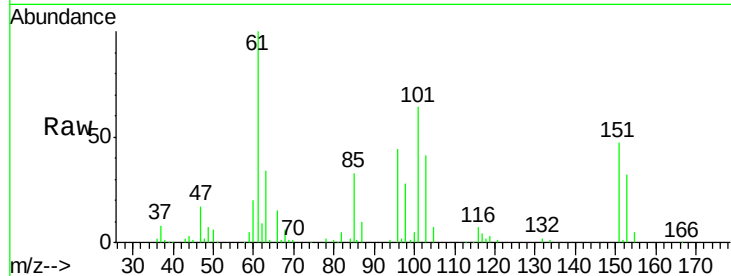
Tgt Ion:101 Resp: 214008

Ion Ratio Lower Upper

101 100

85 52.5 37.3 55.9

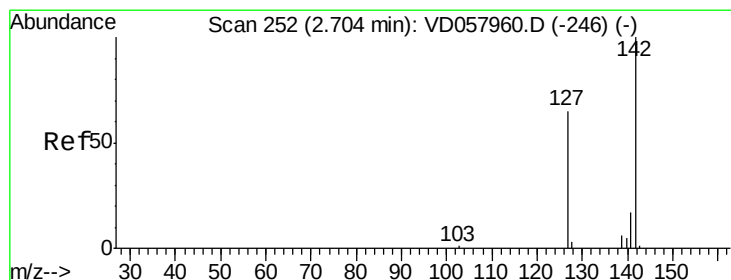
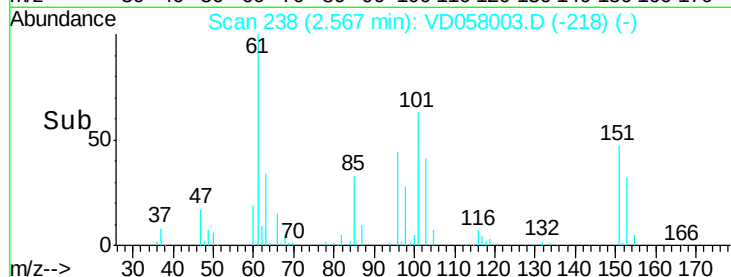
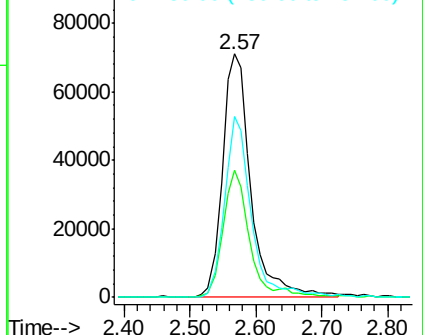
151 74.1 57.0 85.6



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: 56.281 ug/l

RT: 2.71 min Scan# 252

Delta R.T. 0.00 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

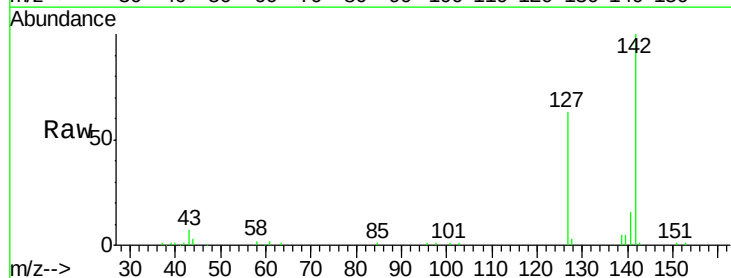
Tgt Ion:142 Resp: 274993

Ion Ratio Lower Upper

142 100

127 63.3 52.0 78.0

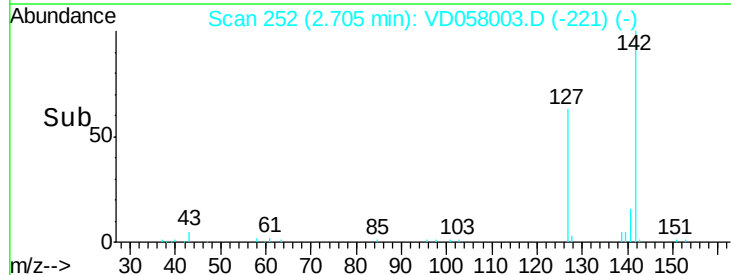
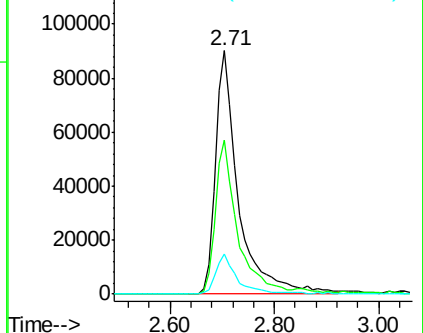
141 16.4 13.2 19.8

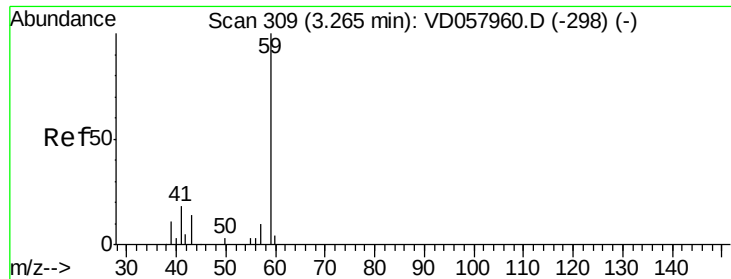


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



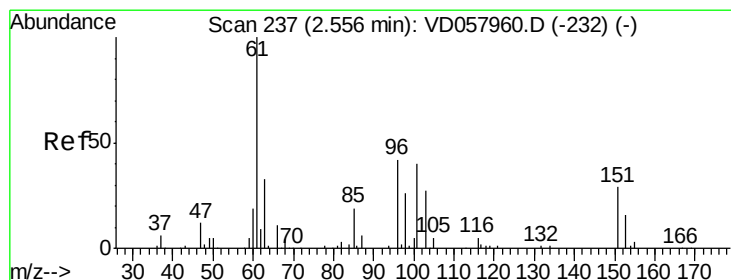
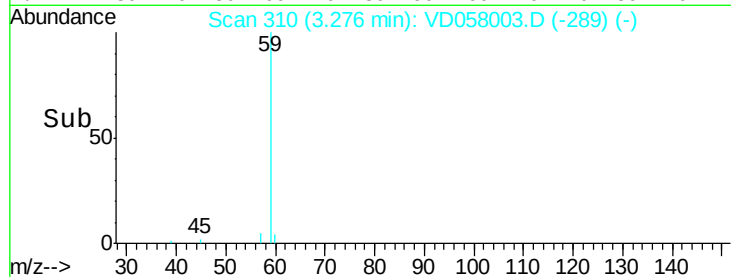
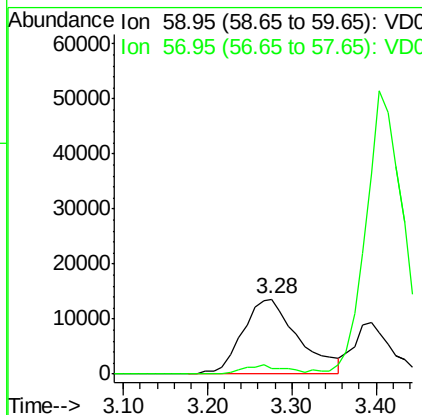
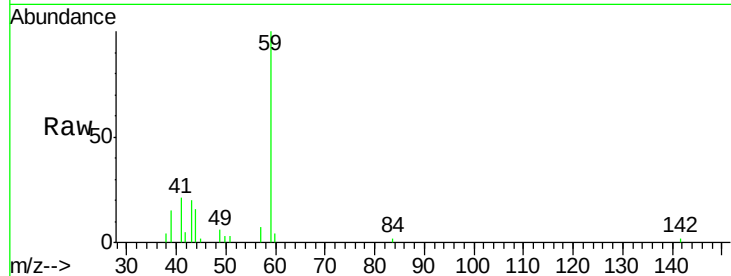


#11

Tert butyl alcohol
Concen: 323.732 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

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

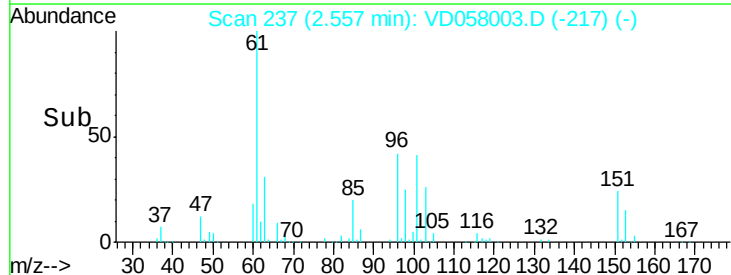
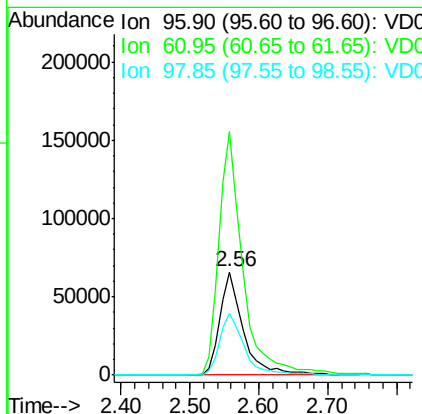
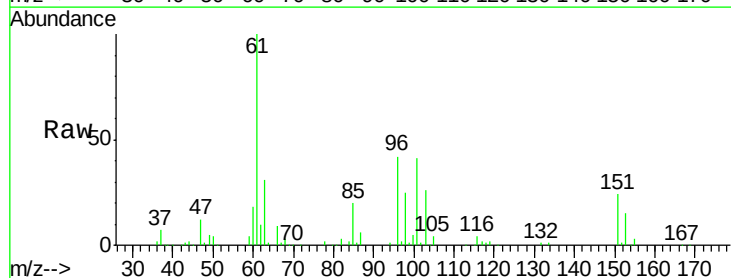
Tgt Ion: 59 Resp: 62933
Ion Ratio Lower Upper
59 100
57 7.4 7.8 11.6#

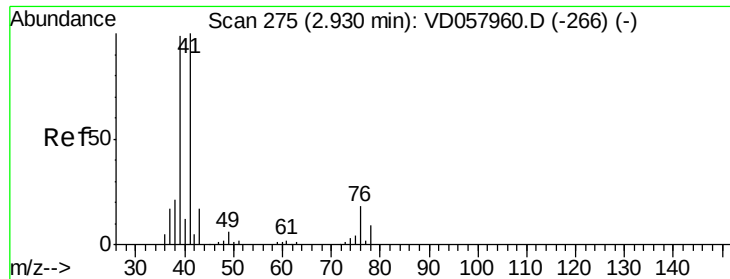


#12

1,1-Dichloroethene
Concen: 53.915 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion: 96 Resp: 156955
Ion Ratio Lower Upper
96 100
61 235.8 190.2 285.4
98 60.0 49.6 74.4

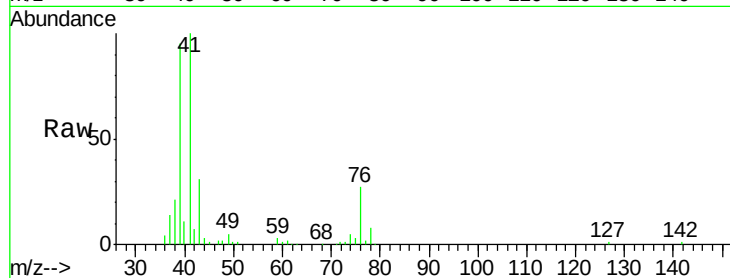




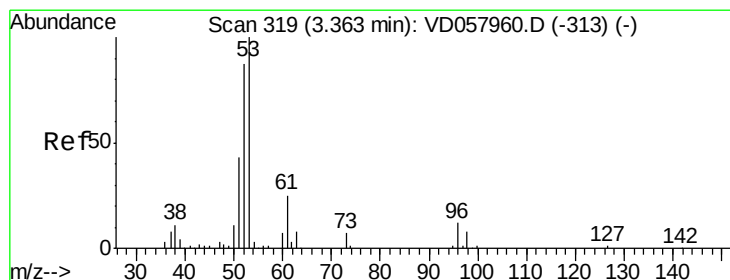
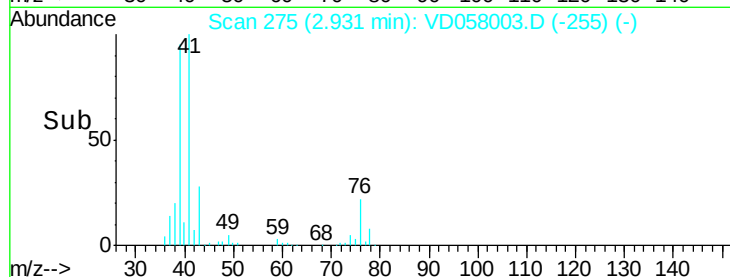
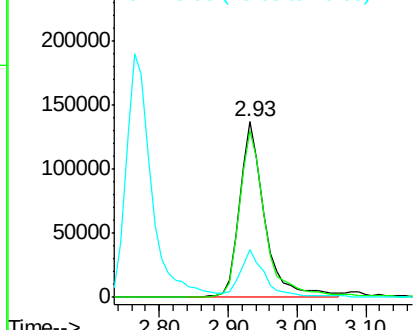
#14
 Allyl chloride
 Concen: 51.957 ug/l
 RT: 2.93 min Scan# 275
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

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

Tgt Ion: 41 Resp: 348915
 Ion Ratio Lower Upper
 41 100
 39 95.1 79.5 119.3
 76 27.2 20.7 31.1

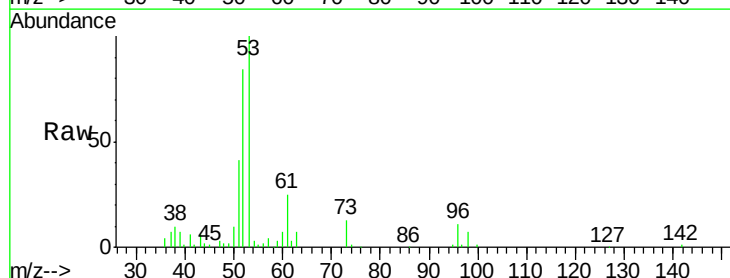


Abundance Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC
 Ion 75.95 (75.65 to 76.65): VDC

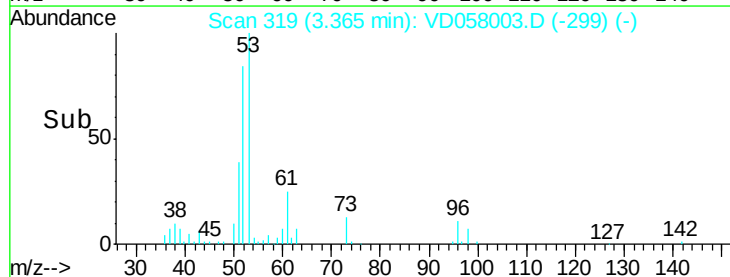
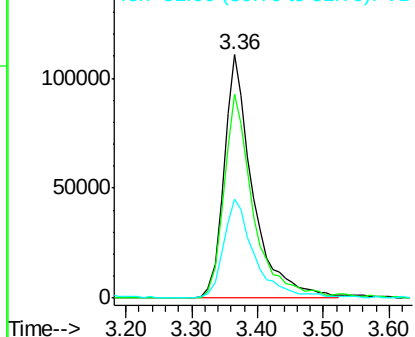


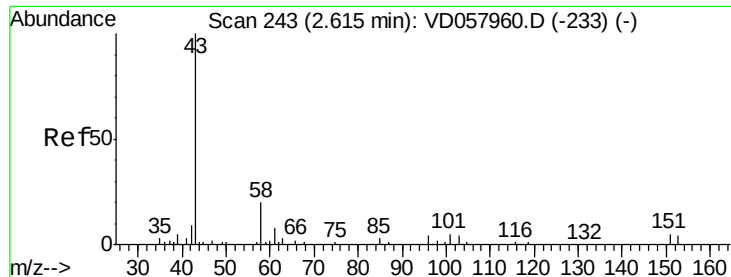
#15
 Acrylonitrile
 Concen: 297.683 ug/l
 RT: 3.36 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion: 53 Resp: 338544
 Ion Ratio Lower Upper
 53 100
 52 83.7 69.9 104.9
 51 40.5 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

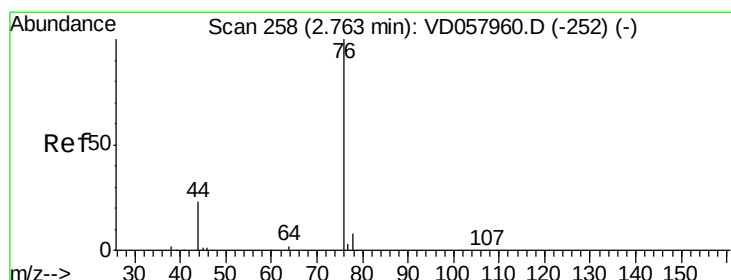
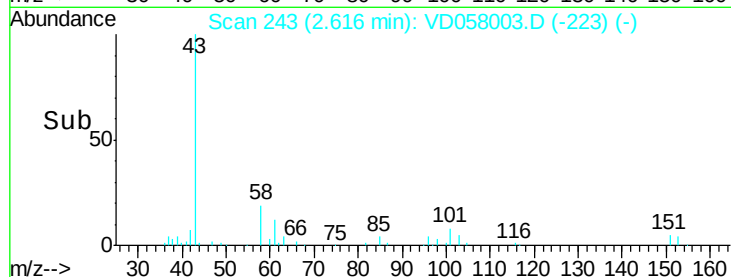
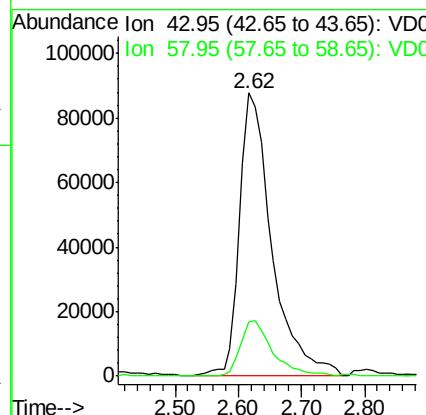
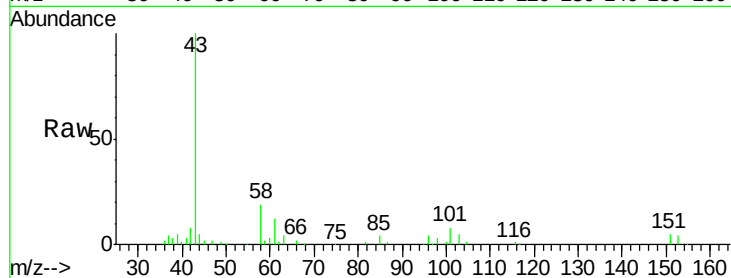




#16
Acetone
Concen: 298.878 ug/l
RT: 2.62 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

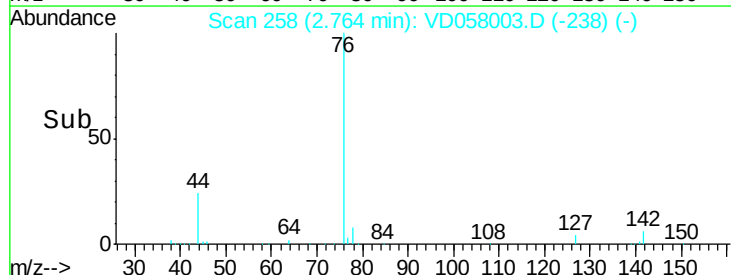
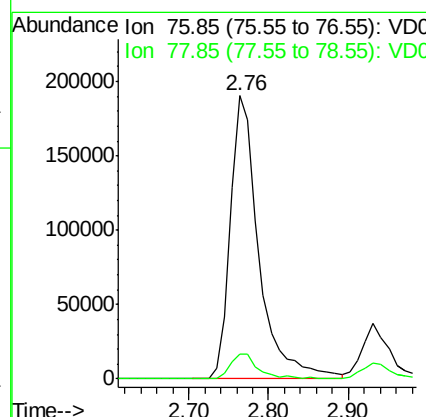
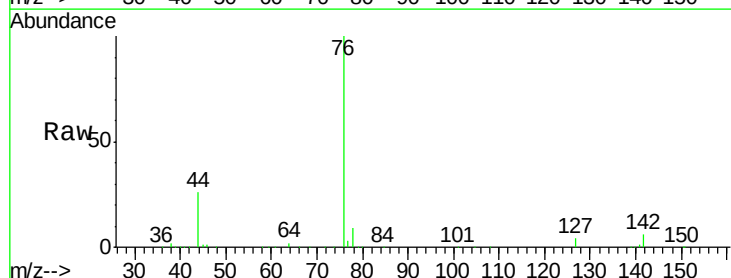
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

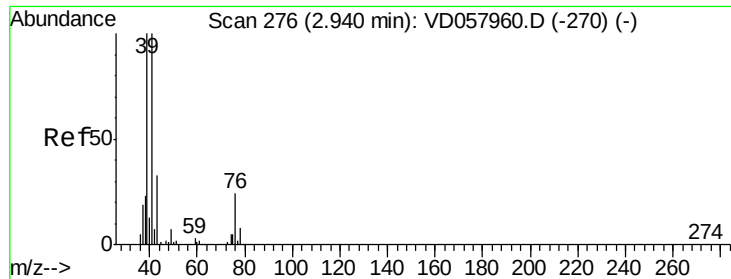
Tgt Ion: 43 Resp: 312478
Ion Ratio Lower Upper
43 100
58 19.1 15.8 23.8



#17
Carbon Disulfide
Concen: 45.487 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion: 76 Resp: 479706
Ion Ratio Lower Upper
76 100
78 8.9 6.7 10.1

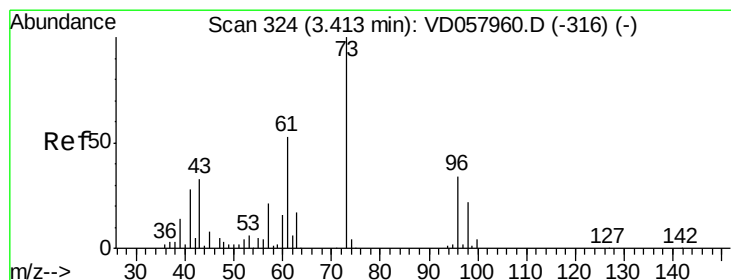
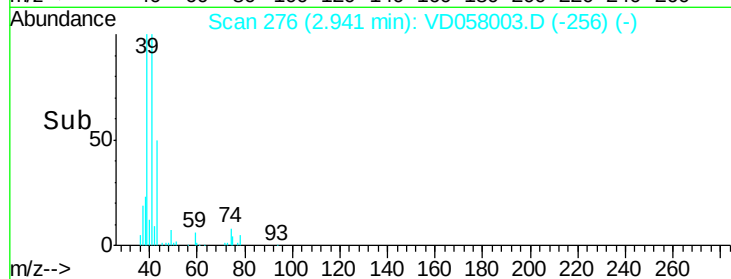
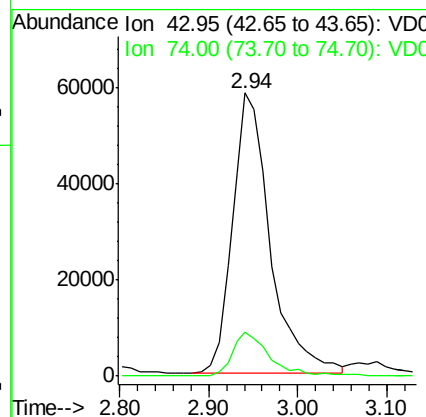
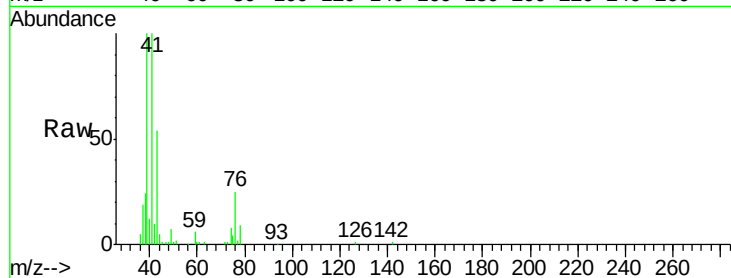




#18
Methyl Acetate
Concen: 84.851 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

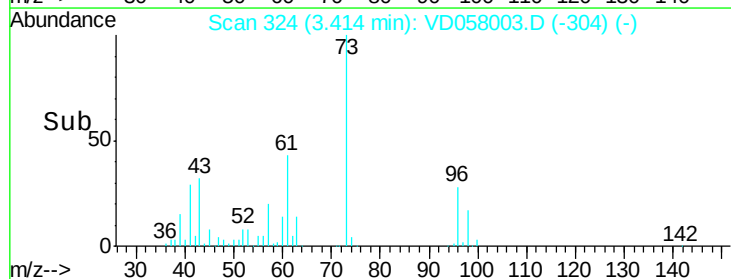
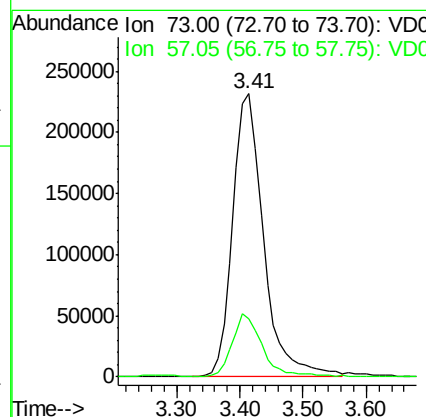
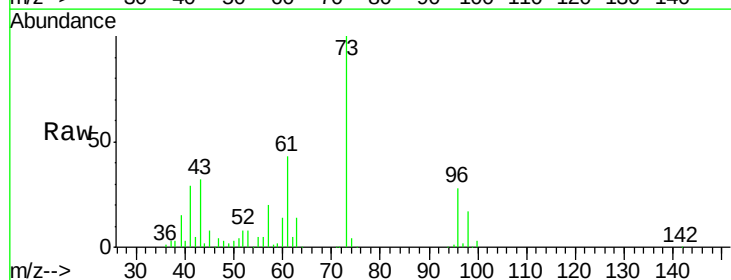
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

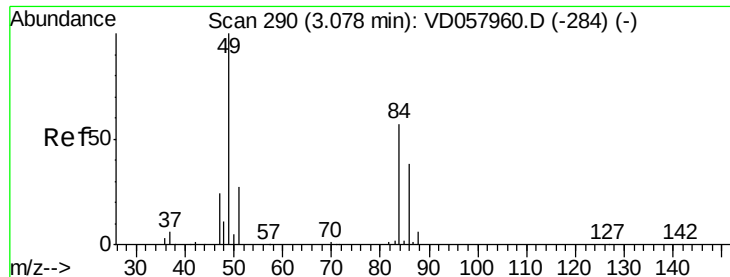
Tgt Ion: 43 Resp: 171612
Ion Ratio Lower Upper
43 100
74 15.4 11.2 16.8



#19
Methyl tert-butyl Ether
Concen: 61.410 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion: 73 Resp: 786636
Ion Ratio Lower Upper
73 100
57 20.5 16.7 25.1

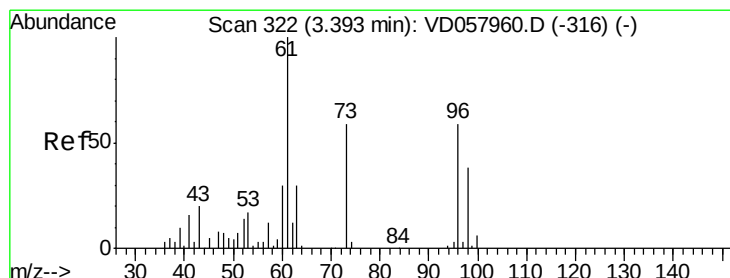
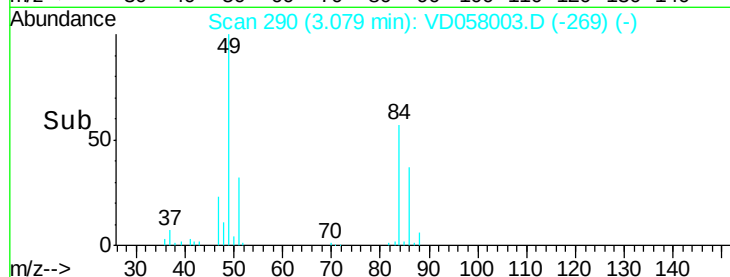
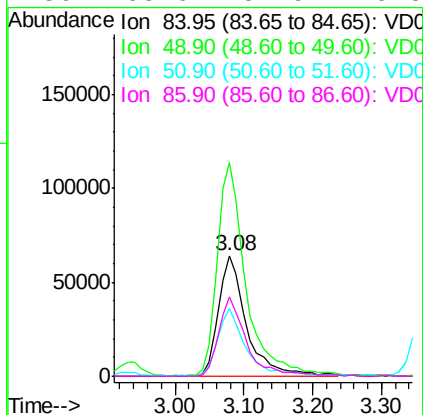
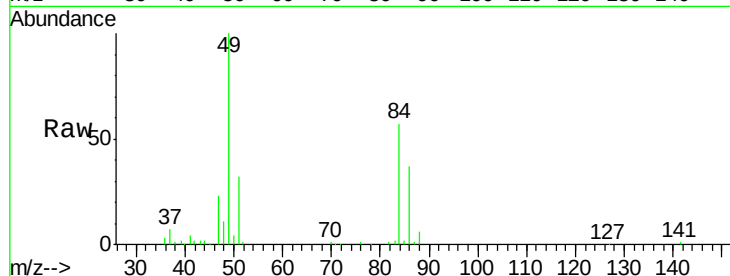




#20
Methylene Chloride
Concen: 62.697 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

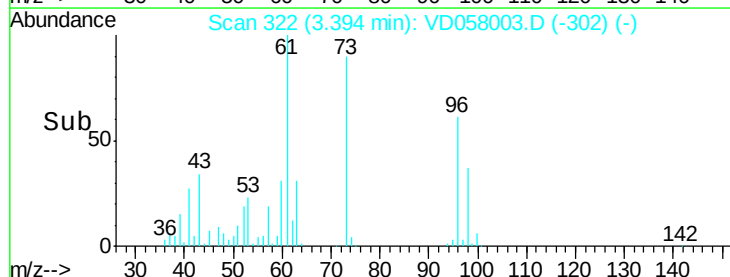
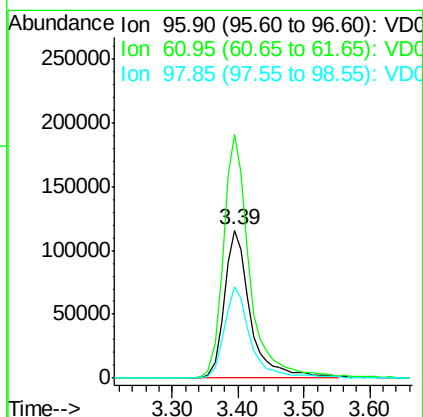
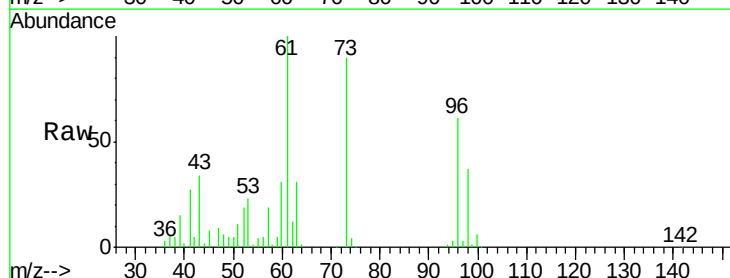
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

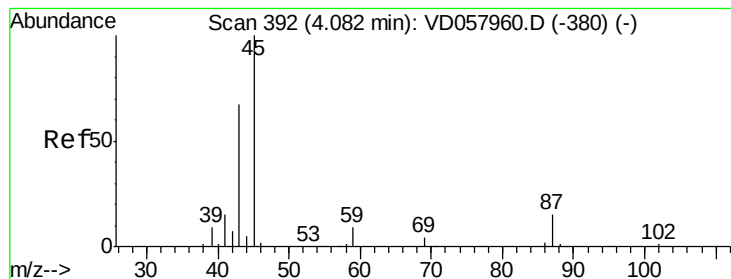
Tgt Ion: 84 Resp: 180886
Ion Ratio Lower Upper
84 100
49 176.6 141.4 212.0
51 55.6 38.3 57.5
86 65.6 52.9 79.3



#21
trans-1,2-Dichloroethene
Concen: 49.232 ug/l
RT: 3.39 min Scan# 322
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion: 96 Resp: 319229
Ion Ratio Lower Upper
96 100
61 164.8 135.2 202.8
98 61.7 51.7 77.5





#22

Diisopropyl ether

Concen: 61.372 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

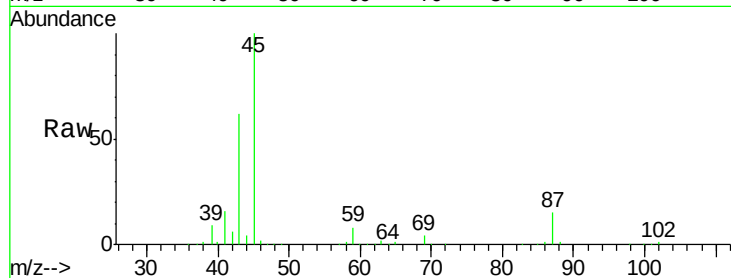
MSVOA_D

ClientSampleId :

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

Tgt Ion: 45 Resp: 1632791

Ion	Ratio	Lower	Upper
45	100		
43	62.3	53.8	80.8
87	15.4	12.5	18.7
59	8.4	7.3	10.9

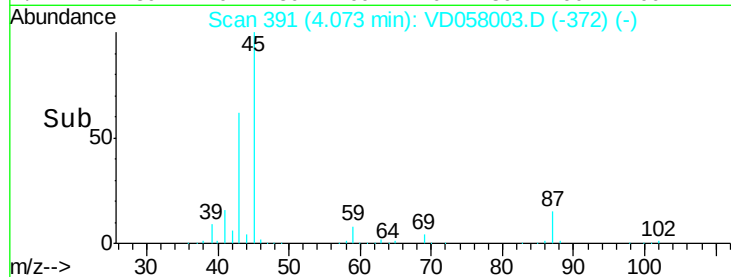


Abundance Ion 45.05 (44.75 to 45.75): VDC

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

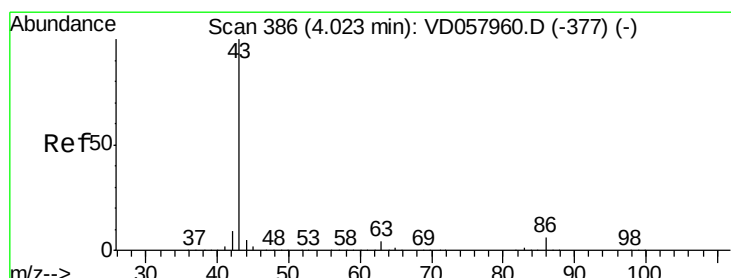


Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 222.147 ug/l

RT: 4.02 min Scan# 386

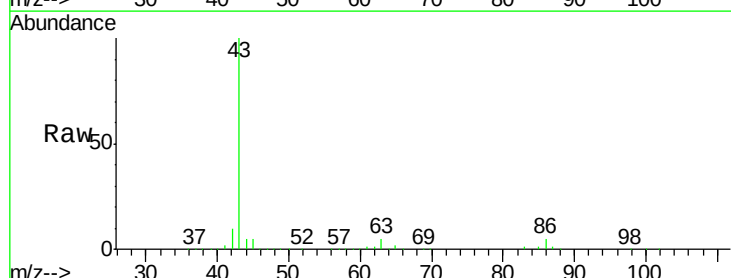
Delta R.T. 0.00 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

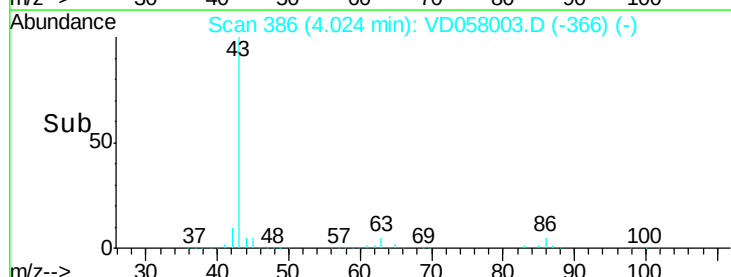
Tgt Ion: 43 Resp: 3053657

Ion	Ratio	Lower	Upper
43	100		
86	5.3	4.7	7.1



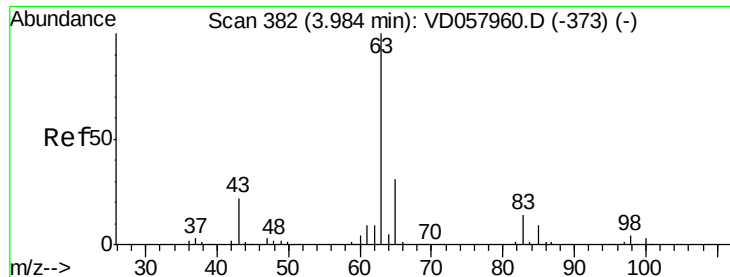
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Abundance Ion 42.95 (42.65 to 43.65): VDC

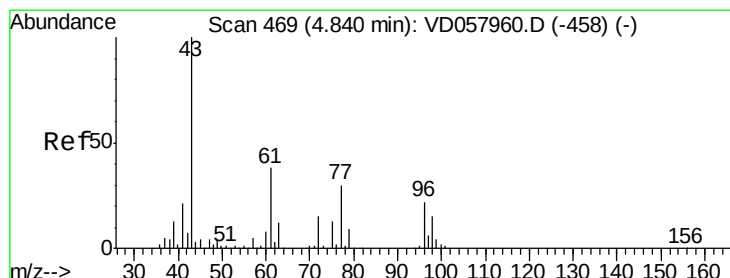
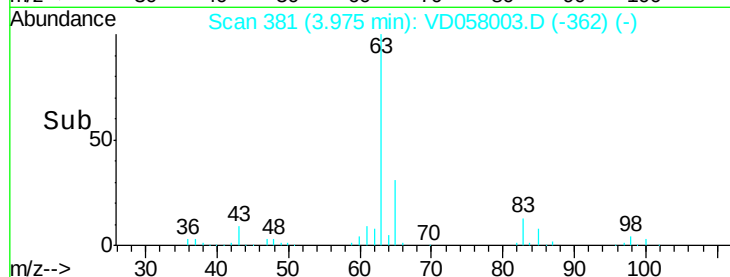
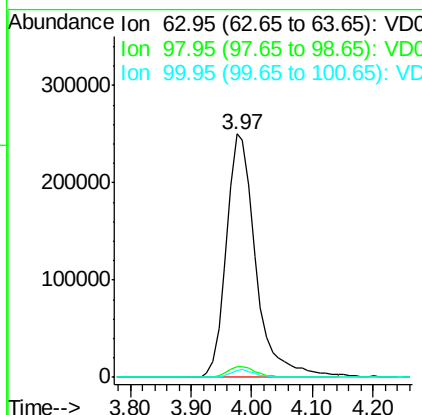
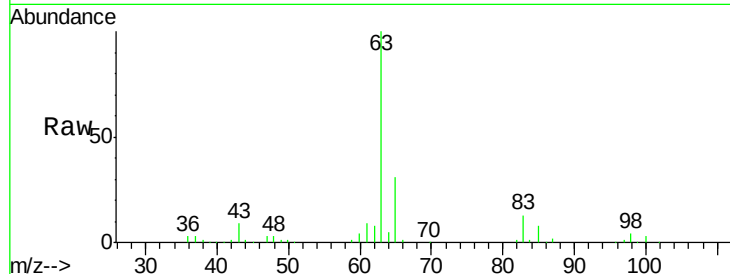
Ion 86.00 (85.70 to 86.70): VDC



#24
 1,1-Dichloroethane
 Concen: 57.645 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

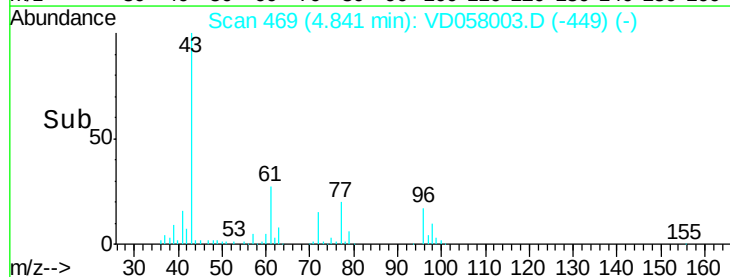
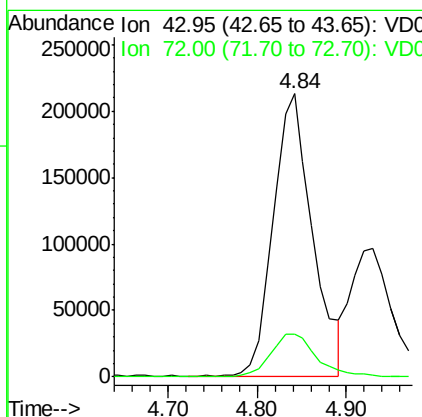
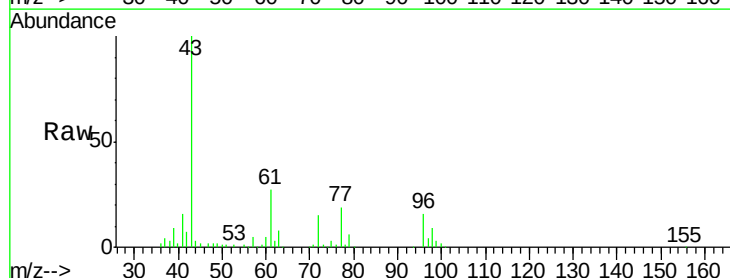
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

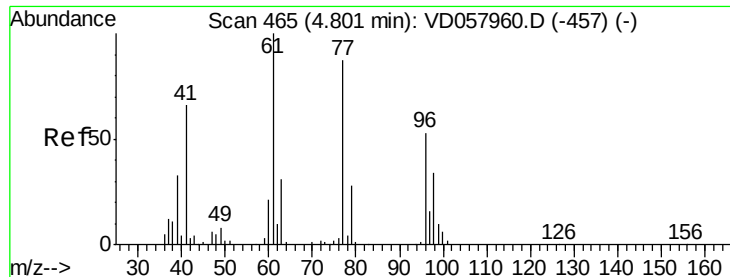
Tgt Ion: 63 Resp: 842873
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.0 5.8
 100 2.6 1.4 4.2



#25
 2-Butanone
 Concen: 274.858 ug/l
 RT: 4.84 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion: 43 Resp: 653072
 Ion Ratio Lower Upper
 43 100
 72 15.3 12.0 18.0

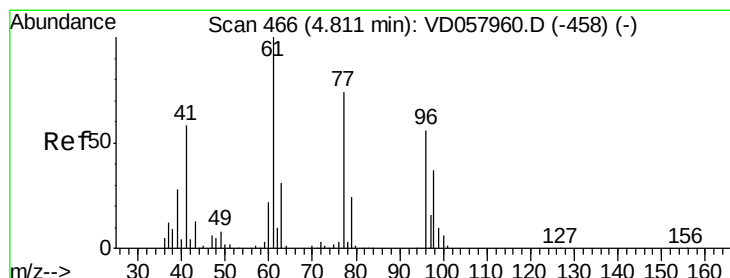
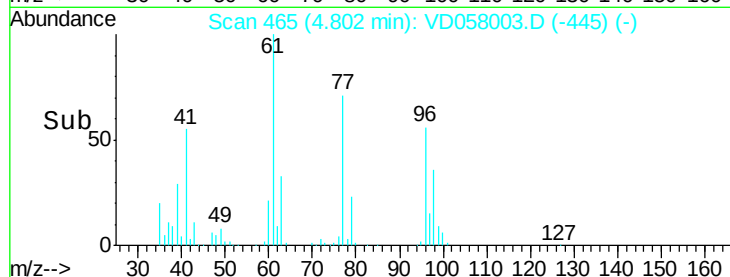
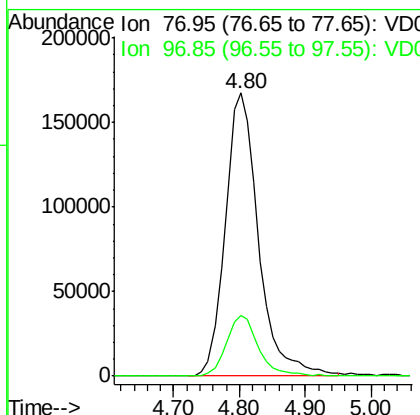
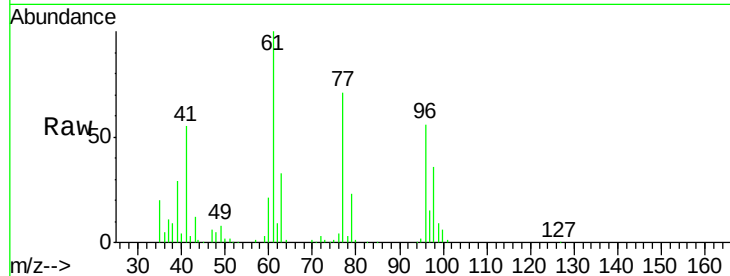




#26
 2,2-Dichloropropane
 Concen: 49.107 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

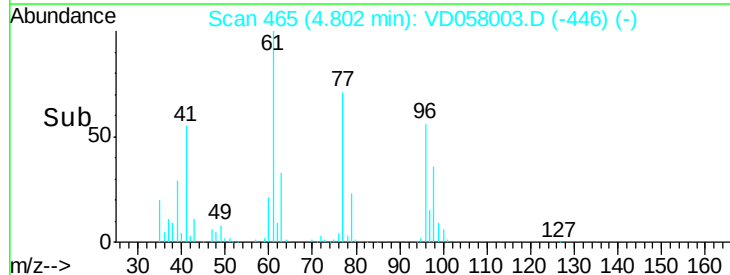
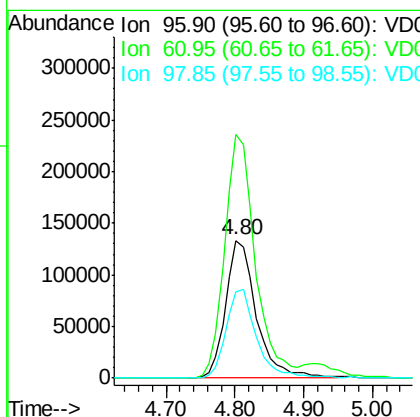
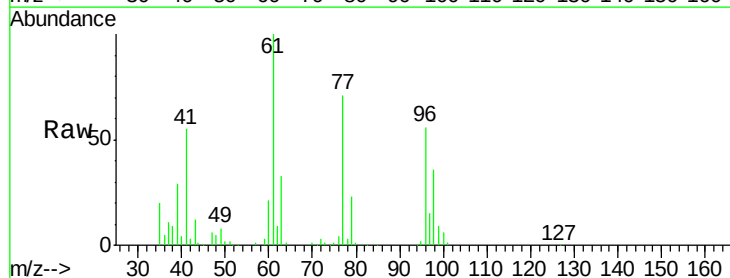
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

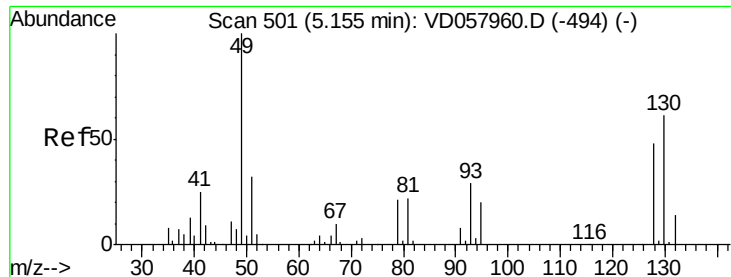
Tgt Ion: 77 Resp: 591489
 Ion Ratio Lower Upper
 77 100
 97 21.6 9.2 27.6



#27
 cis-1,2-Dichloroethene
 Concen: 53.450 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion: 96 Resp: 411047
 Ion Ratio Lower Upper
 96 100
 61 177.2 0.0 355.0
 98 63.1 0.0 129.6

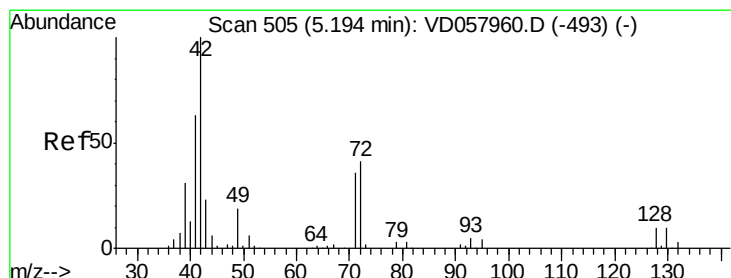
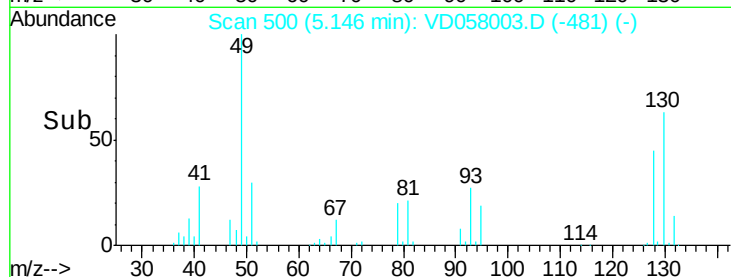
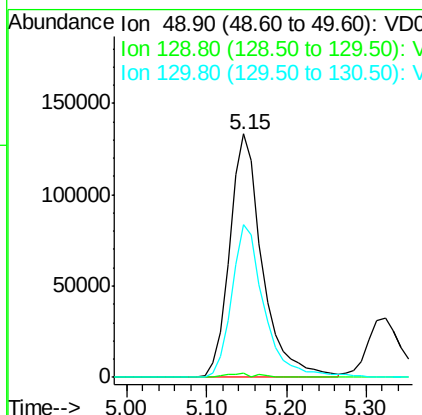
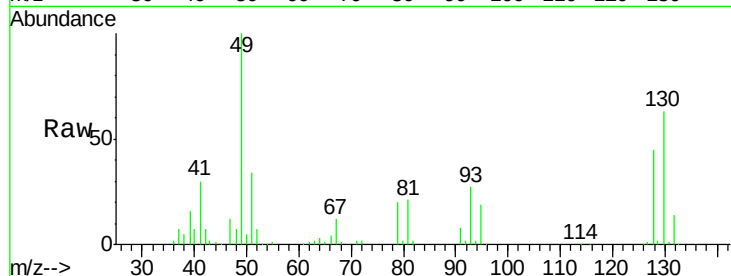




#28
 Bromochloromethane
 Concen: 60.201 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

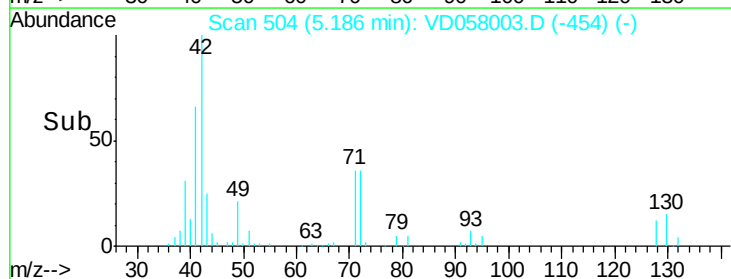
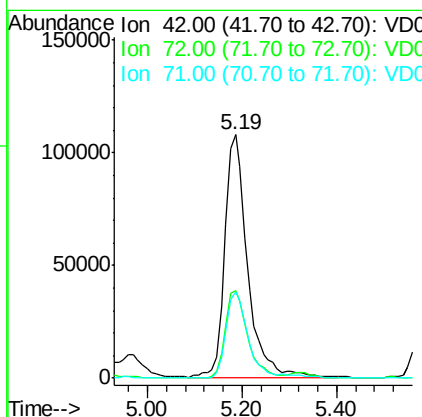
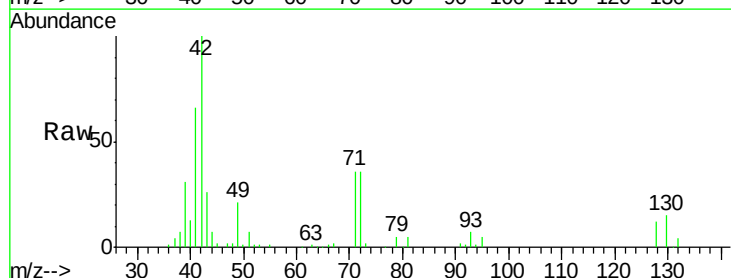
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

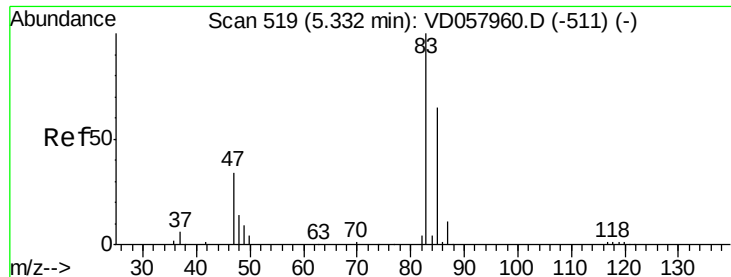
Tgt Ion: 49 Resp: 380983
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.6
 130 62.6 48.8 73.2



#29
 Tetrahydrofuran
 Concen: 287.318 ug/l
 RT: 5.19 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion: 42 Resp: 357864
 Ion Ratio Lower Upper
 42 100
 72 35.2 28.5 42.7
 71 35.3 27.9 41.9

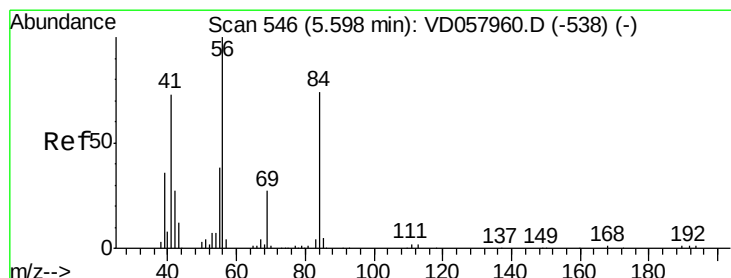
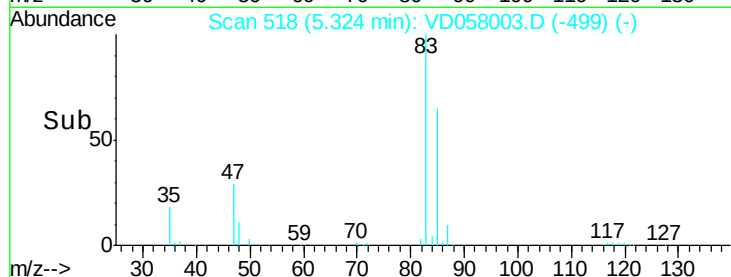
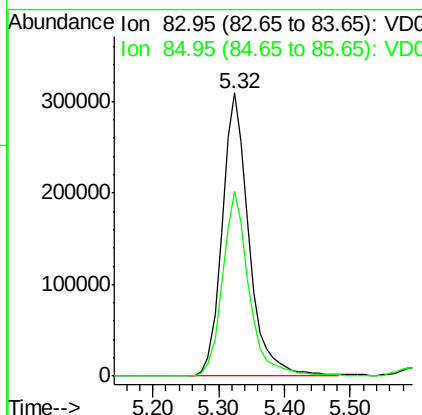
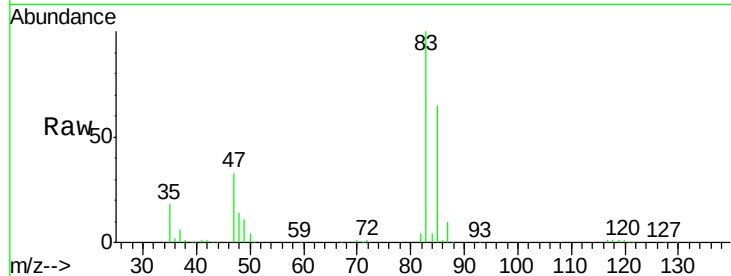




#30
Chloroform
Concen: 59.737 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

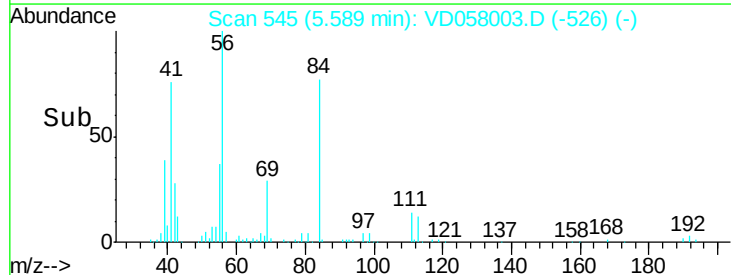
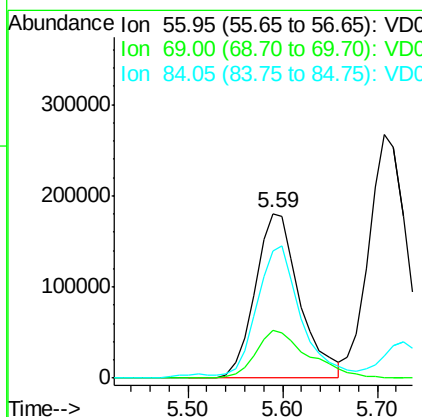
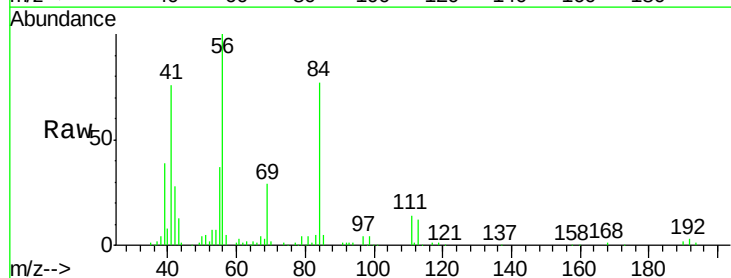
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

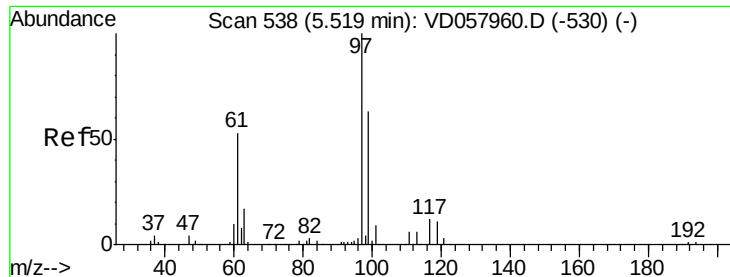
Tgt Ion: 83 Resp: 879060
Ion Ratio Lower Upper
83 100
85 65.5 51.6 77.4



#31
Cyclohexane
Concen: 46.695 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion: 56 Resp: 589211
Ion Ratio Lower Upper
56 100
69 29.1 21.5 32.3
84 77.4 61.0 91.6





#32

1,1,1-Trichloroethane

Concen: 55.688 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

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

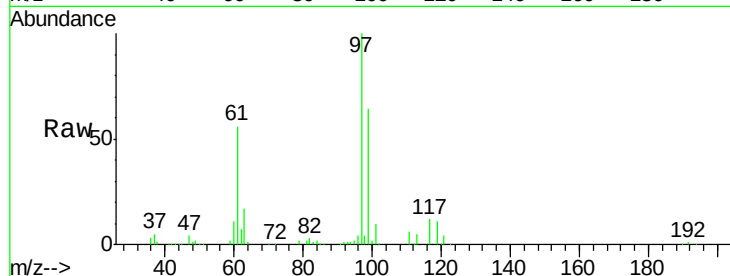
Tgt Ion: 97 Resp: 686151

Ion Ratio Lower Upper

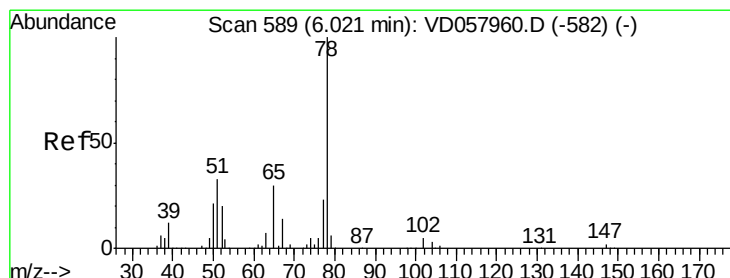
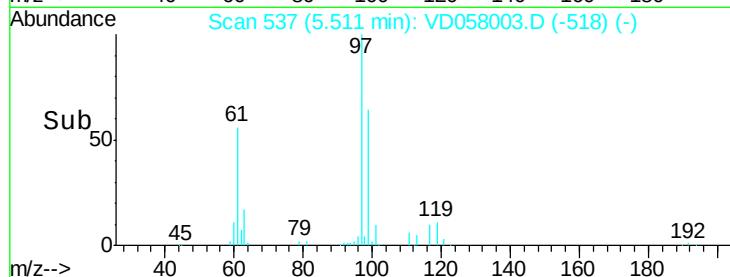
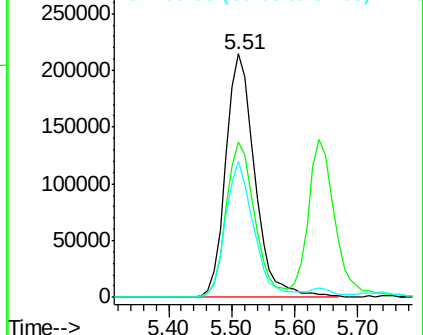
97 100

99 63.7 50.1 75.1

61 55.8 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: 55.688 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058003.D

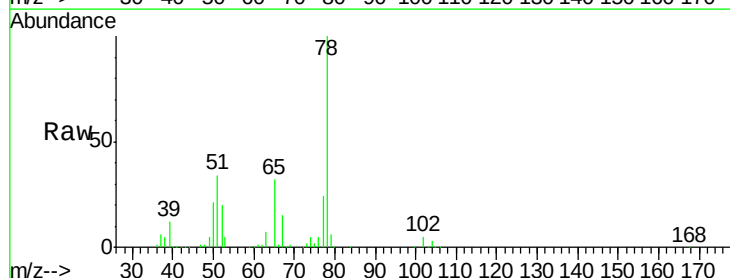
Acq: 8 Jun 2018 7:49

Tgt Ion: 65 Resp: 427101

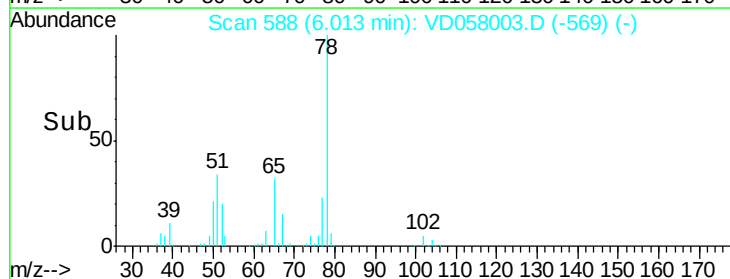
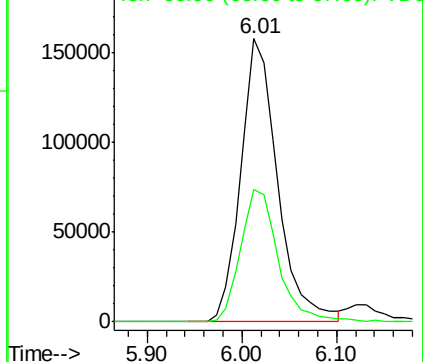
Ion Ratio Lower Upper

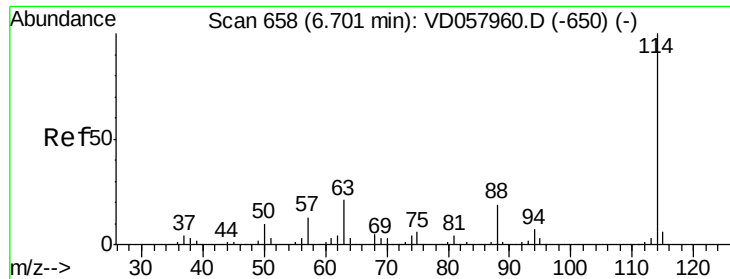
65 100

67 46.6 0.0 94.0



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

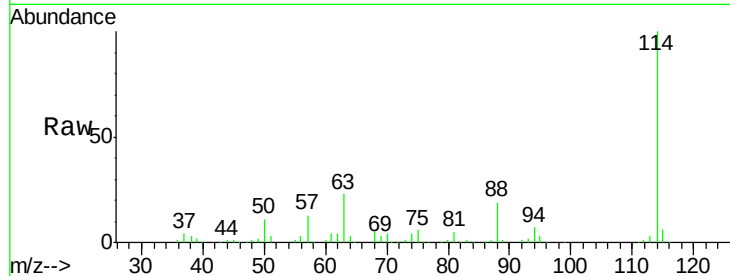




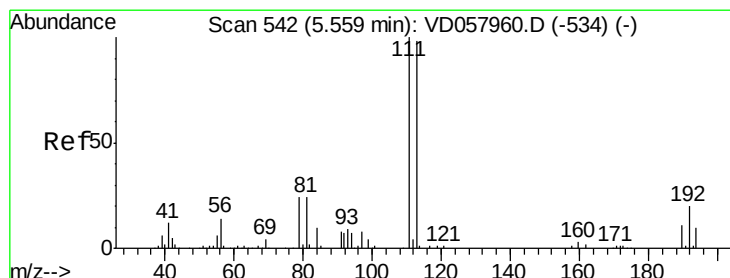
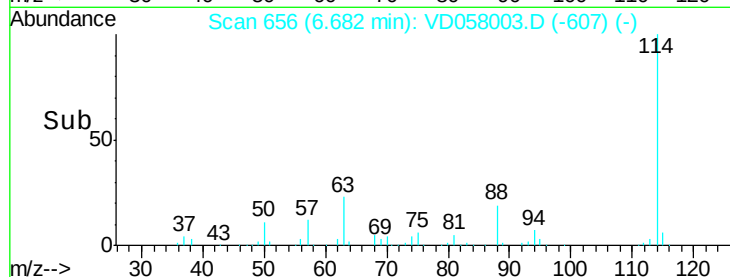
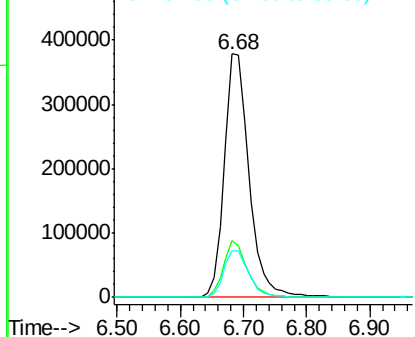
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

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

Tgt Ion:114 Resp: 1030990
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 42.8
 88 19.0 0.0 37.8

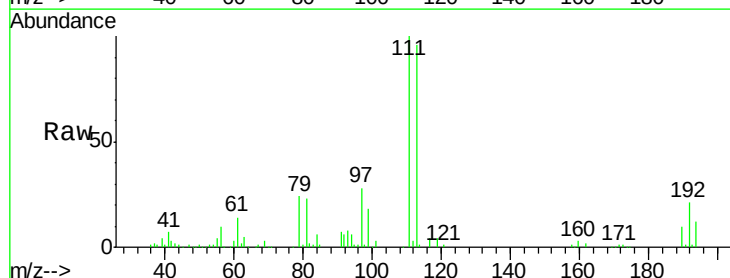


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

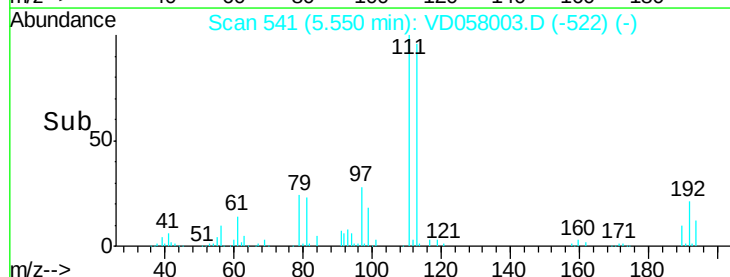
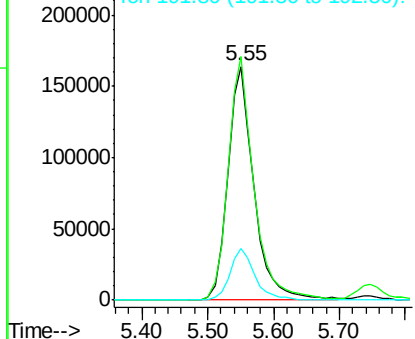


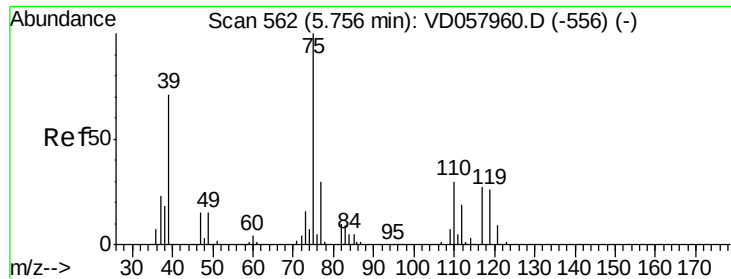
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion:113 Resp: 453116
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.5 122.3
 192 22.0 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

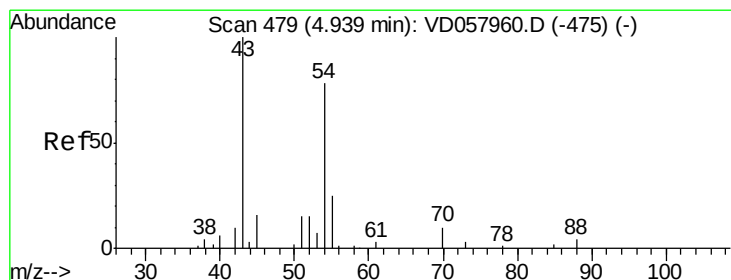
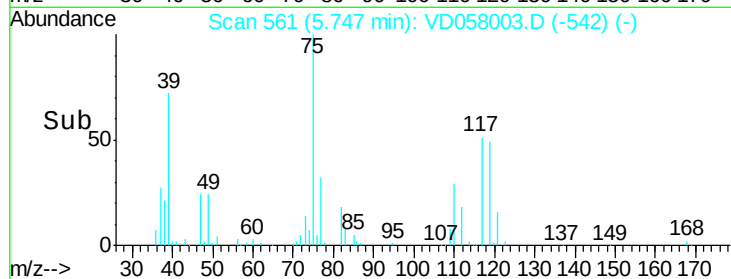
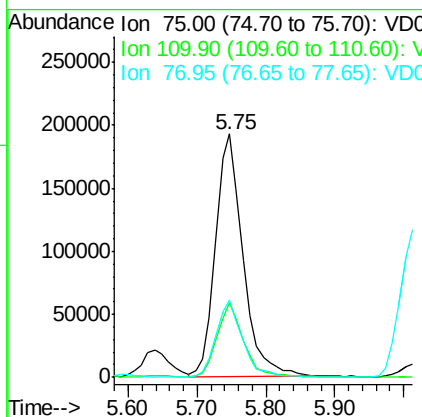
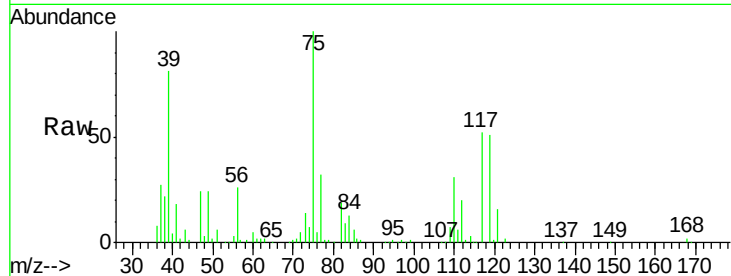




#36
 1,1-Dichloropropene
 Concen: 46.646 ug/l
 RT: 5.75 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

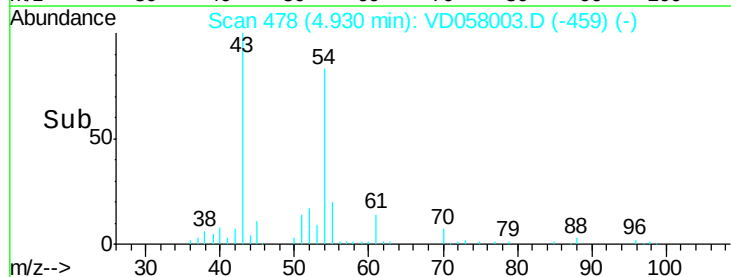
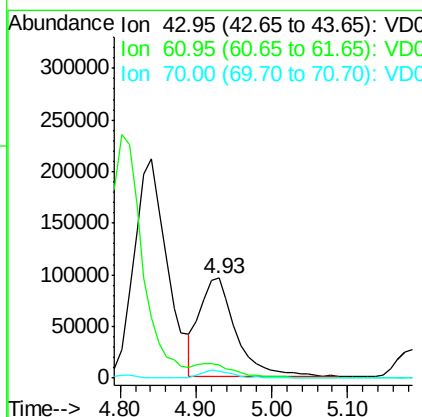
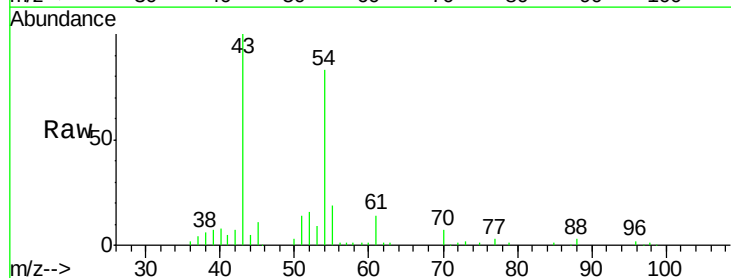
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

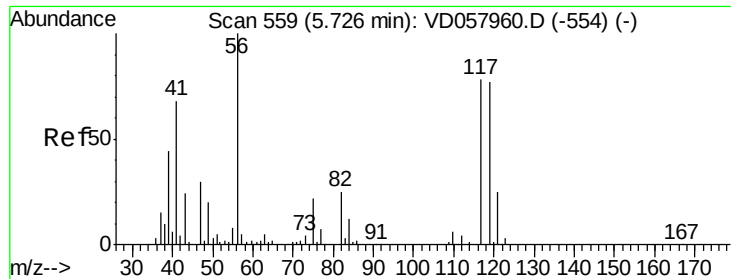
Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.6	14.8	44.3
77	32.0	23.9	35.9



#37
 Ethyl Acetate
 Concen: 51.574 ug/l
 RT: 4.93 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.9	14.9
70	7.0	5.7	8.5





#38

Carbon Tetrachloride

Concen: 51.335 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

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

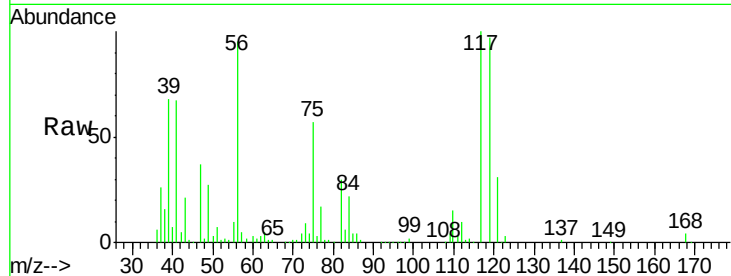
Tgt Ion:117 Resp: 574669

Ion Ratio Lower Upper

117 100

119 96.9 76.1 114.1

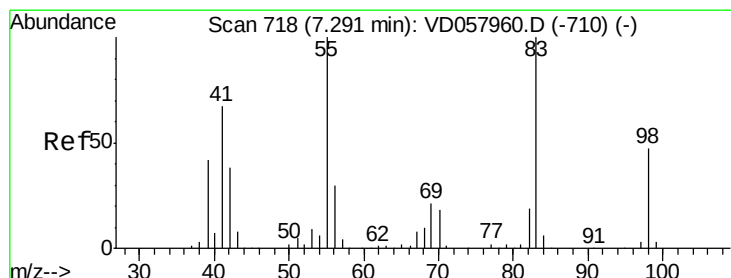
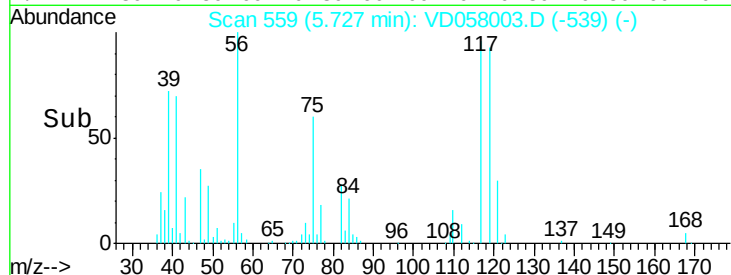
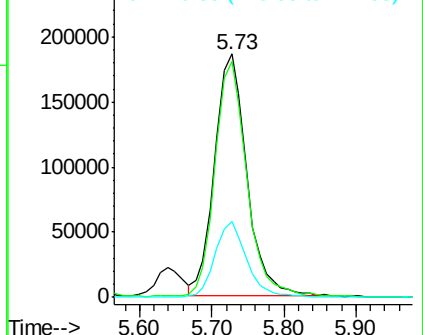
121 31.0 24.9 37.3



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: 44.329 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

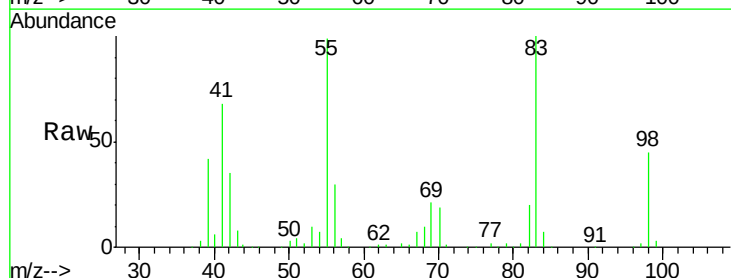
Tgt Ion: 83 Resp: 499152

Ion Ratio Lower Upper

83 100

55 99.0 80.3 120.5

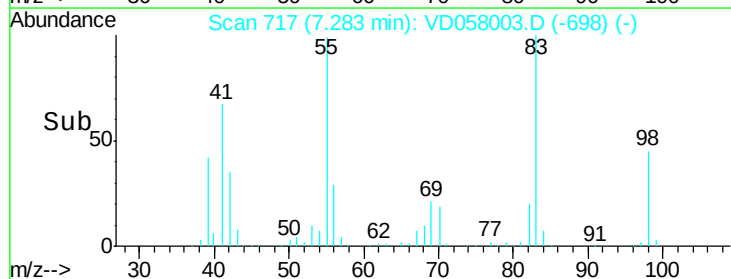
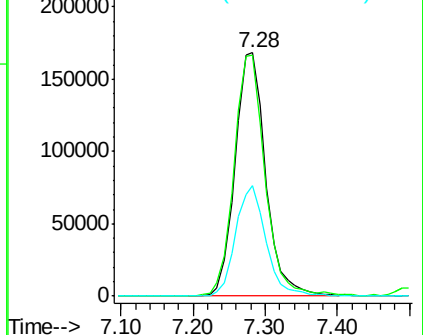
98 45.3 38.0 57.0

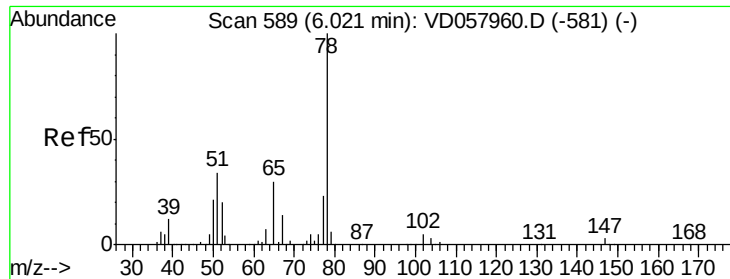


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 53.421 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

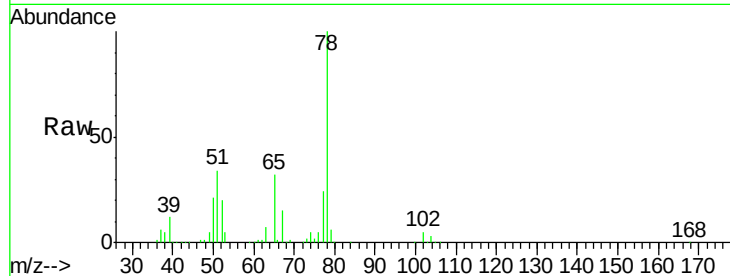
CAS1-SB-02-03-1-27MS

Tgt Ion: 78 Resp: 1417527

Ion Ratio Lower Upper

78 100

77 23.8 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

500000

400000

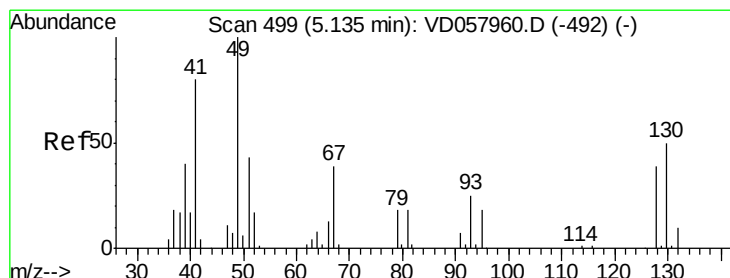
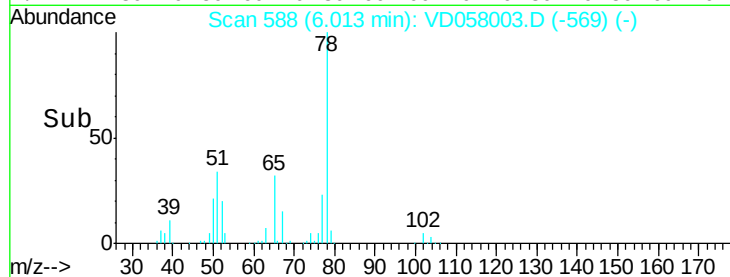
300000

200000

100000

0

Time-->



#41

Methacrylonitrile

Concen: 62.540 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Tgt Ion: 41 Resp: 177235

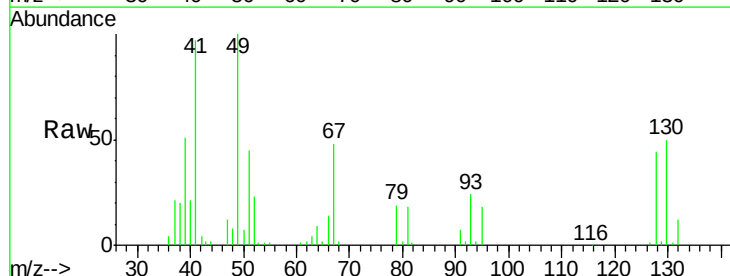
Ion Ratio Lower Upper

41 100

39 53.3 40.7 61.1

67 49.8 38.8 58.2

52 23.5 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

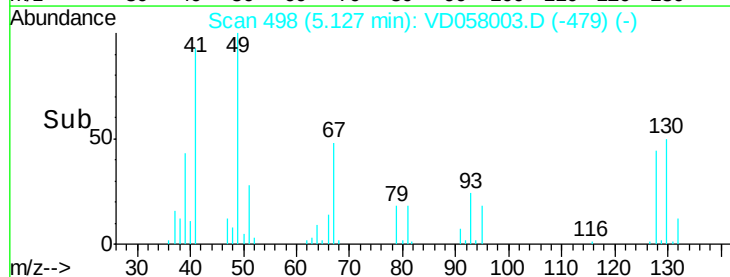
60000

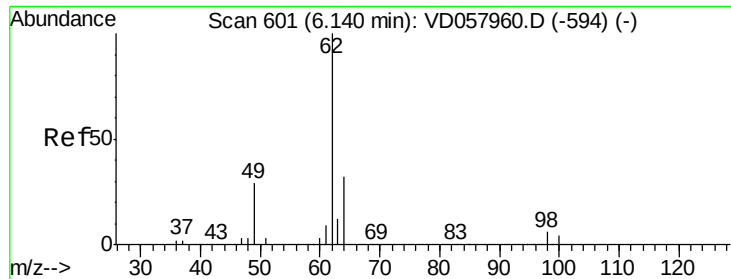
40000

20000

0

Time-->

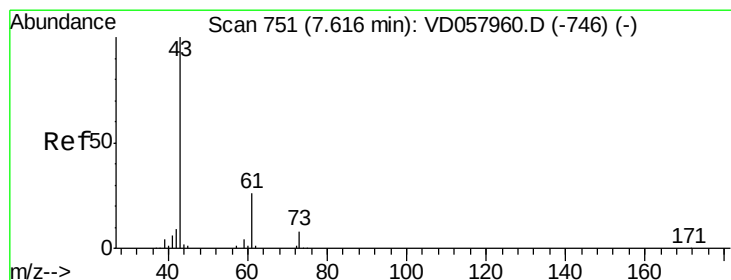
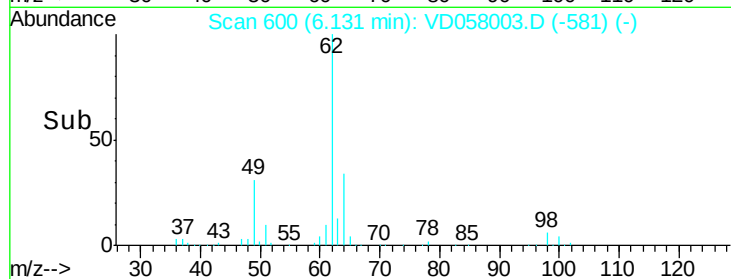
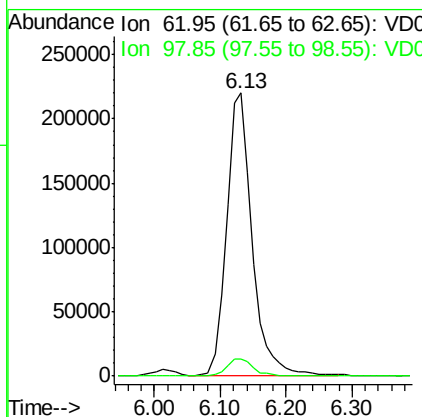
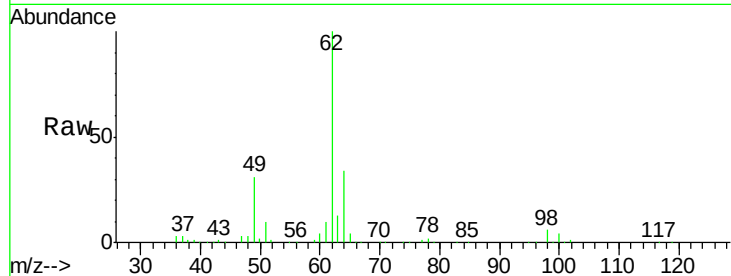




#42
 1,2-Dichloroethane
 Concen: 55.396 ug/l
 RT: 6.13 min Scan# 600
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

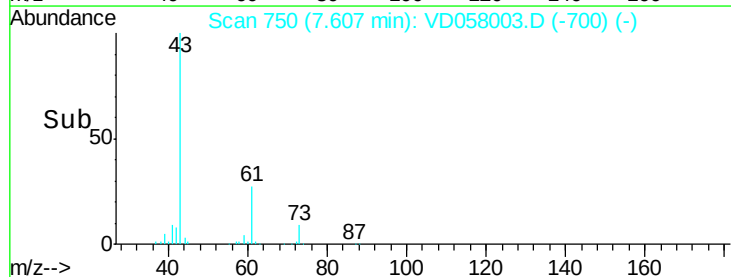
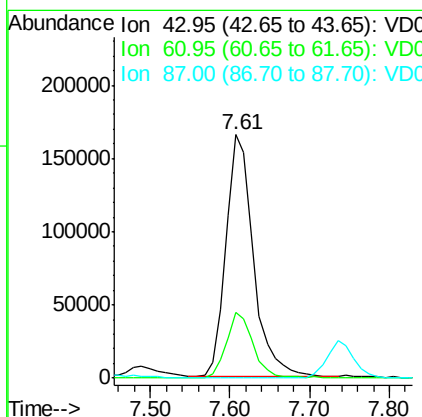
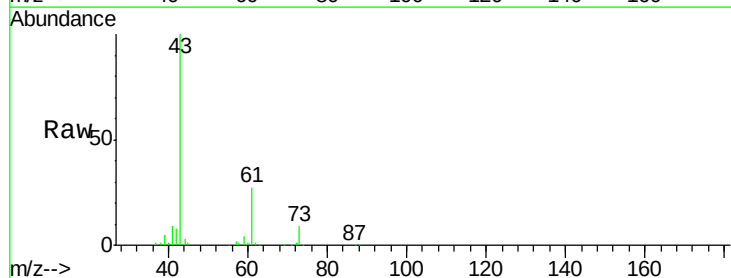
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

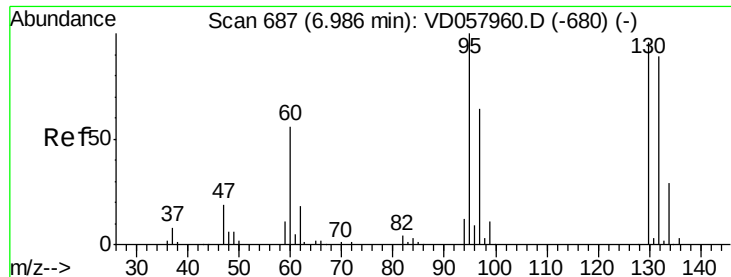
Tgt Ion: 62 Resp: 594312
 Ion Ratio Lower Upper
 62 100
 98 6.1 0.0 12.8



#43
 Isopropyl Acetate
 Concen: 49.607 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion: 43 Resp: 402721
 Ion Ratio Lower Upper
 43 100
 61 26.7 20.6 30.8
 87 0.3 0.2 0.4





#44

Trichloroethene

Concen: 47.315 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

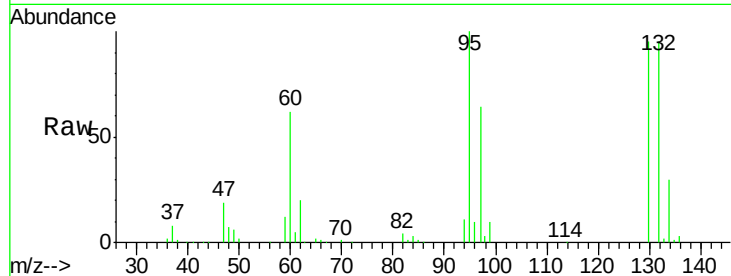
CAS1-SB-02-03-1-27MS

Tgt Ion:130 Resp: 366727

Ion Ratio Lower Upper

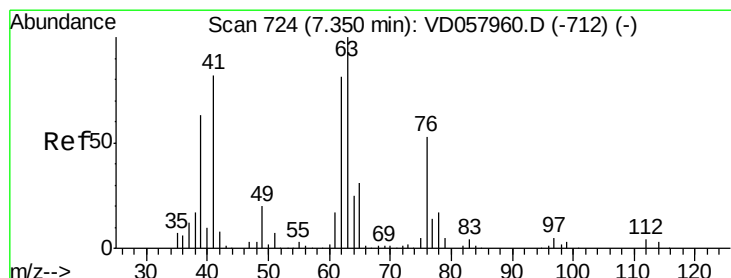
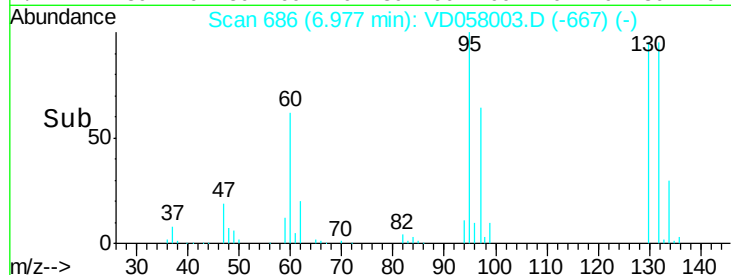
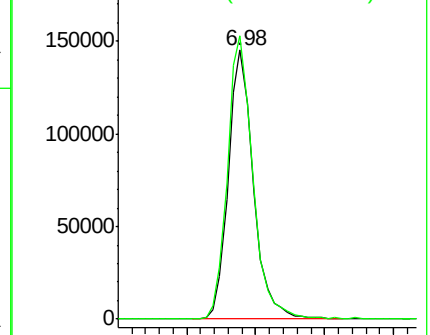
130 100

95 105.3 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: 58.310 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058003.D

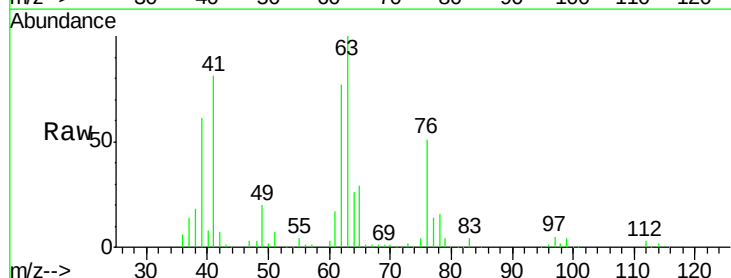
Acq: 8 Jun 2018 7:49

Tgt Ion: 63 Resp: 430028

Ion Ratio Lower Upper

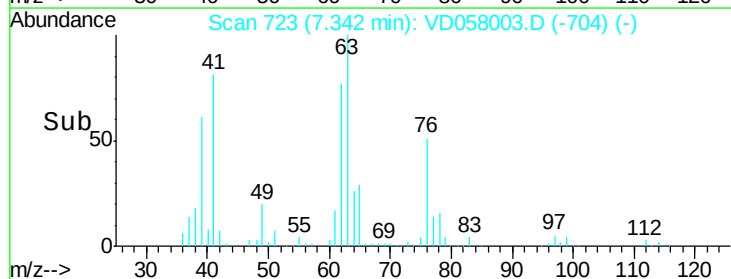
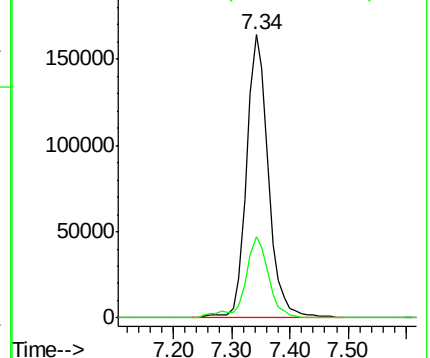
63 100

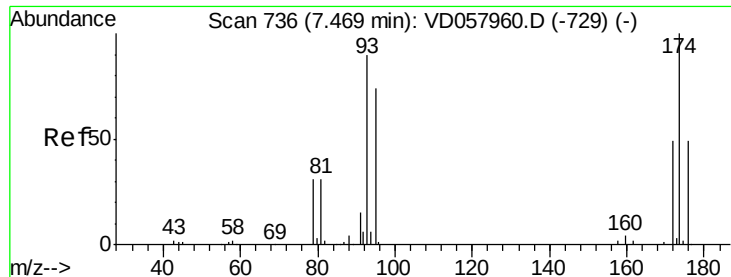
65 28.8 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

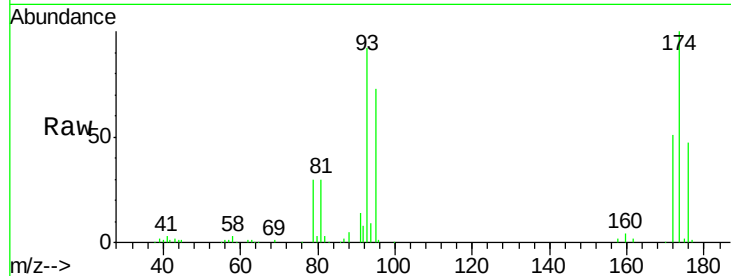




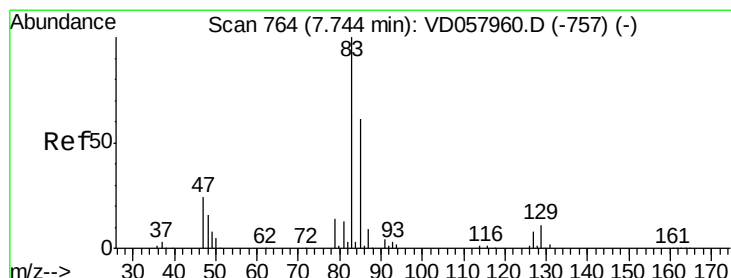
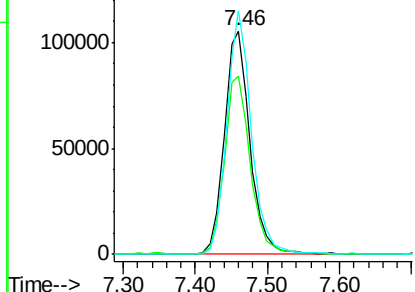
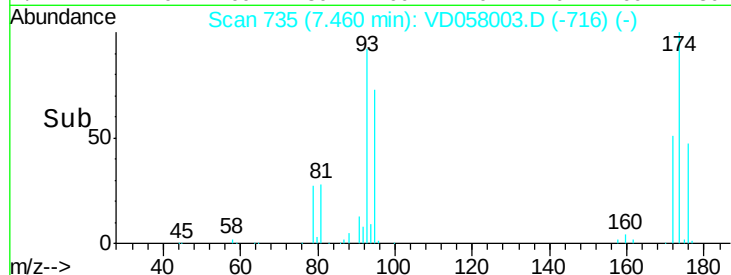
#46
 Dibromomethane
 Concen: 54.577 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

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

Tgt Ion: 93 Resp: 258564
 Ion Ratio Lower Upper
 93 100
 95 79.6 65.7 98.5
 174 109.0 89.0 133.4

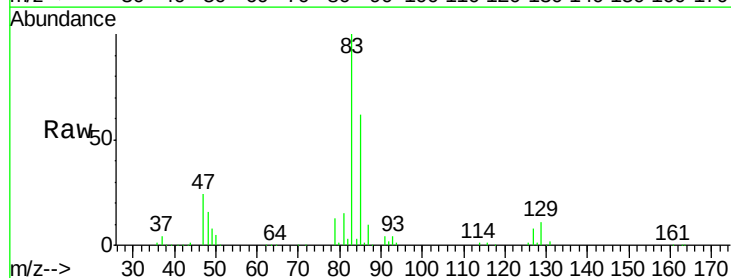


Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V

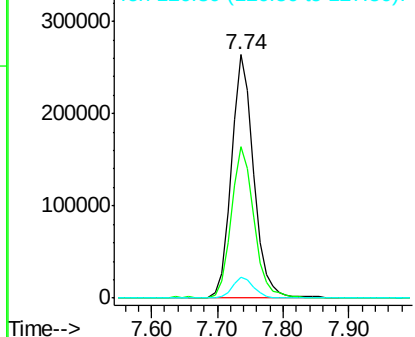
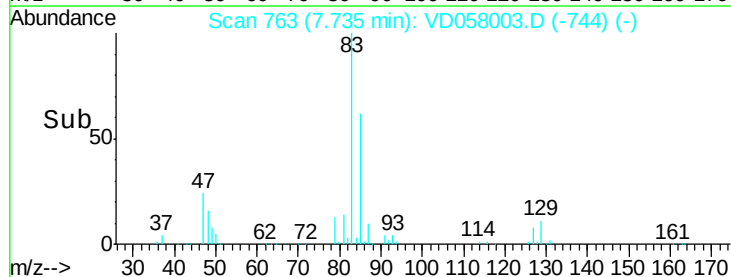


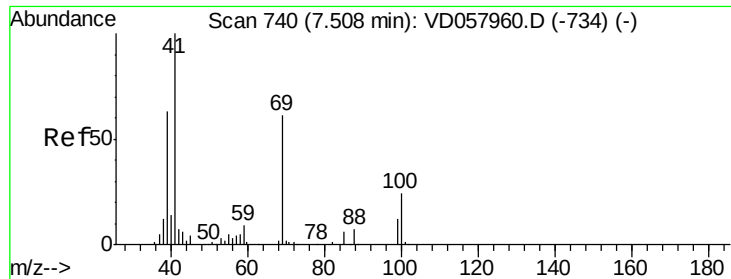
#47
 Bromodichloromethane
 Concen: 56.486 ug/l
 RT: 7.74 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion: 83 Resp: 626577
 Ion Ratio Lower Upper
 83 100
 85 62.2 49.1 73.7
 127 8.5 6.2 9.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 126.80 (126.50 to 127.50): V

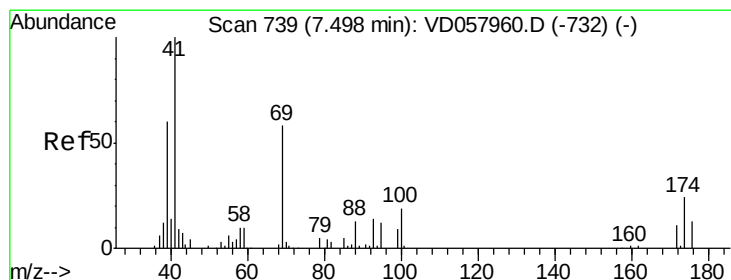
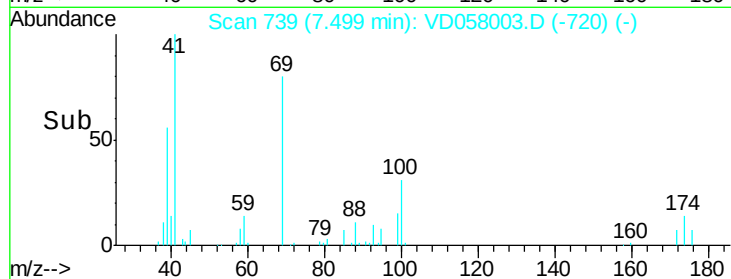
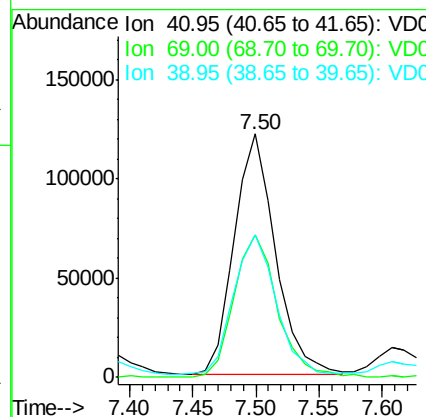
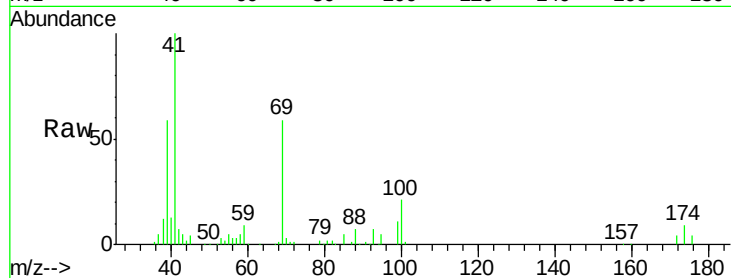




#48
Methyl methacrylate
Concen: 54.977 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

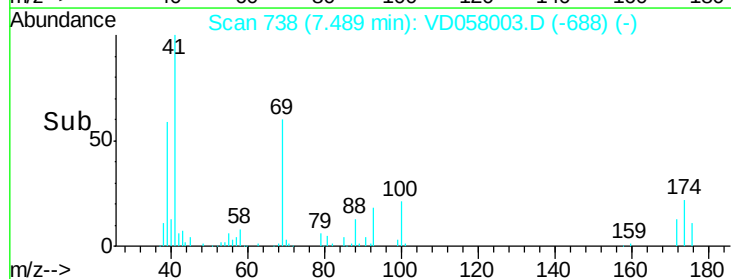
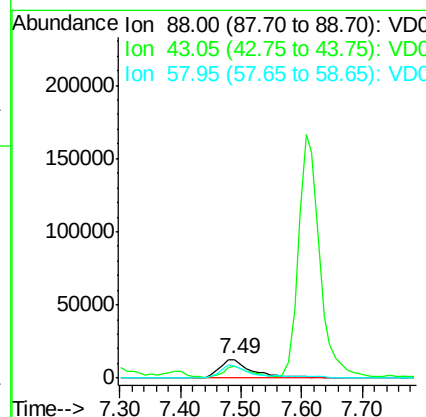
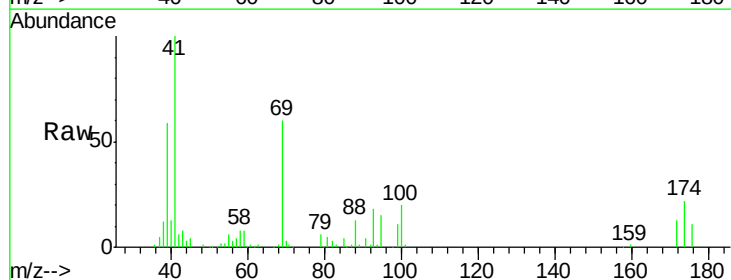
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

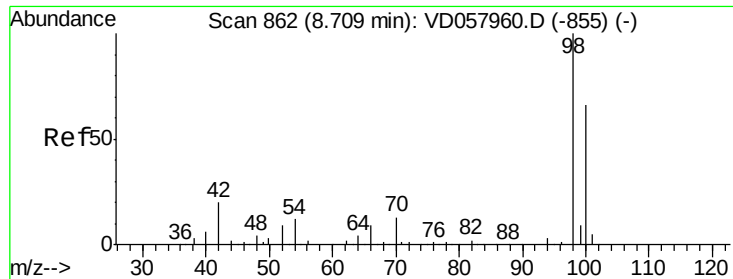
Tgt Ion: 41 Resp: 274705
Ion Ratio Lower Upper
41 100
69 58.7 48.0 72.0
39 58.6 50.7 76.1



#49
1,4-Dioxane
Concen: 1148.427 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion: 88 Resp: 47538
Ion Ratio Lower Upper
88 100
43 62.3 46.6 69.8
58 64.7 63.6 95.4

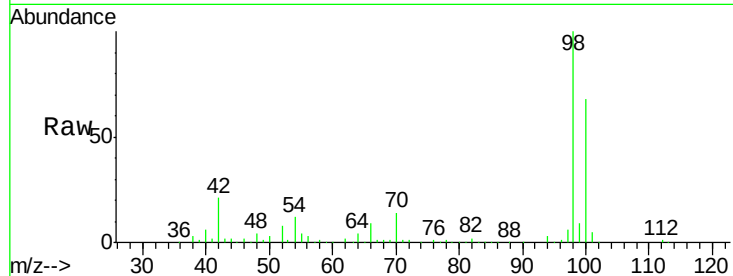




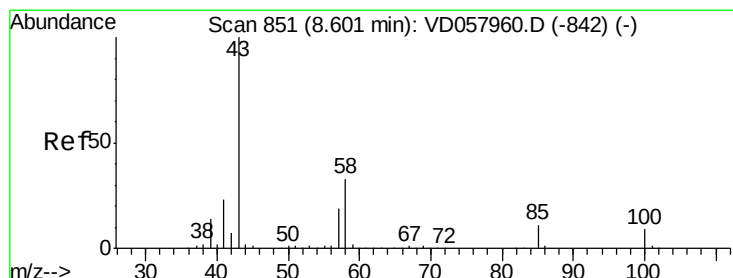
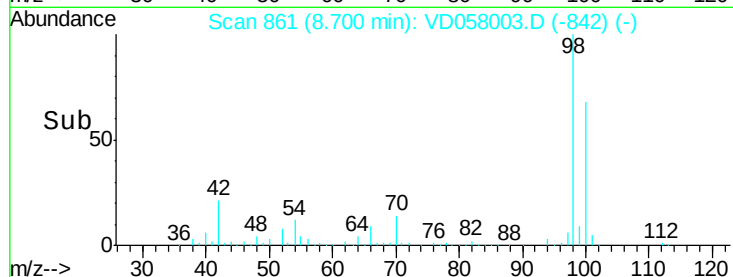
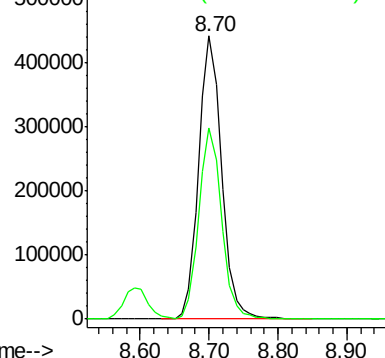
#50
Toluene-d8
Concen: 1148.427 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

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

Tgt Ion: 98 Resp: 1023188
Ion Ratio Lower Upper
98 100
100 67.6 53.4 80.0

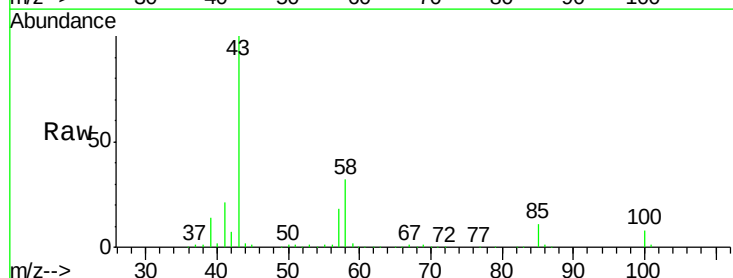


Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

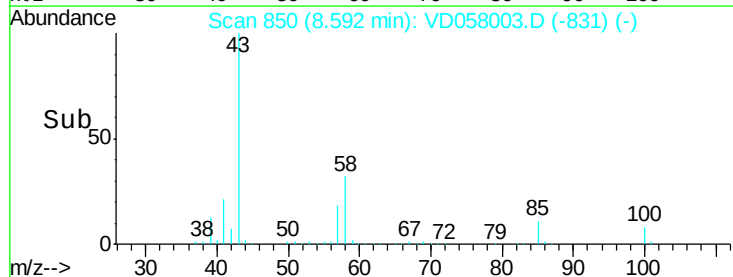
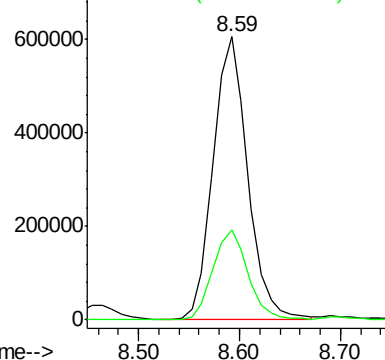


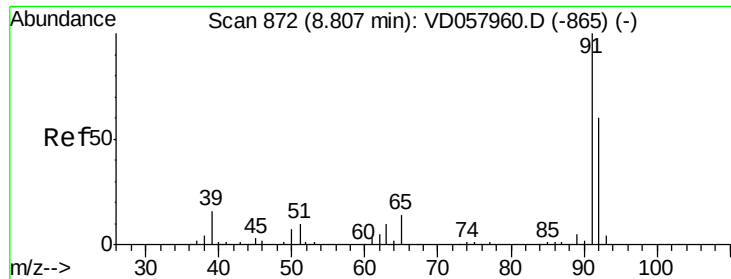
#51
4-Methyl-2-Pentanone
Concen: 277.126 ug/l
RT: 8.59 min Scan# 850
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion: 43 Resp: 1443035
Ion Ratio Lower Upper
43 100
58 31.7 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VD057960.D (-842) (-)
Ion 57.95 (57.65 to 58.65): VD057960.D (-842) (-)





#52

Toluene

Concen: 53.477 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

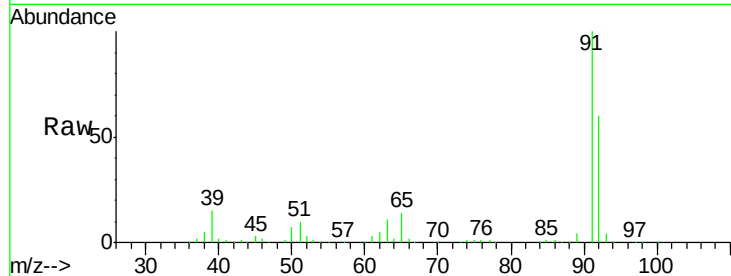
CAS1-SB-02-03-1-27MS

Tgt Ion: 92 Resp: 814380

Ion Ratio Lower Upper

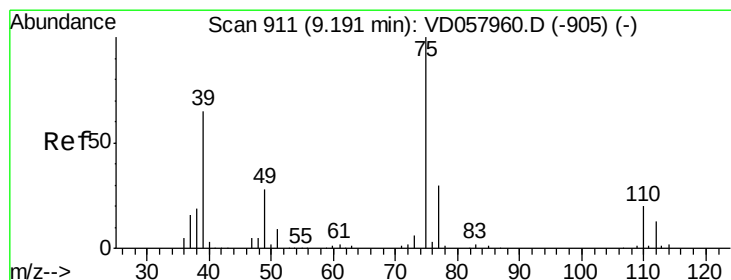
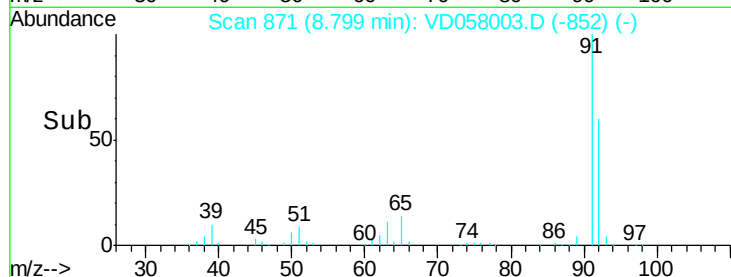
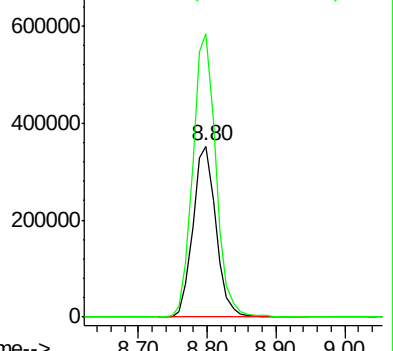
92 100

91 165.4 133.0 199.6



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: 47.962 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD058003.D

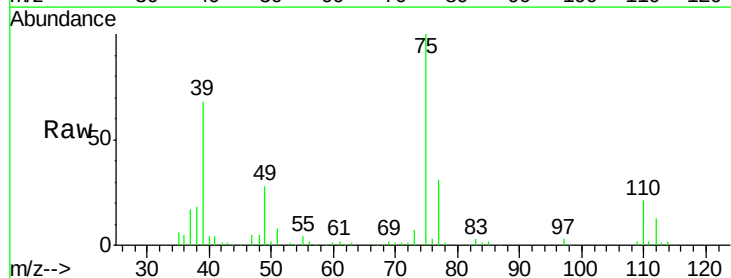
Acq: 8 Jun 2018 7:49

Tgt Ion: 75 Resp: 458372

Ion Ratio Lower Upper

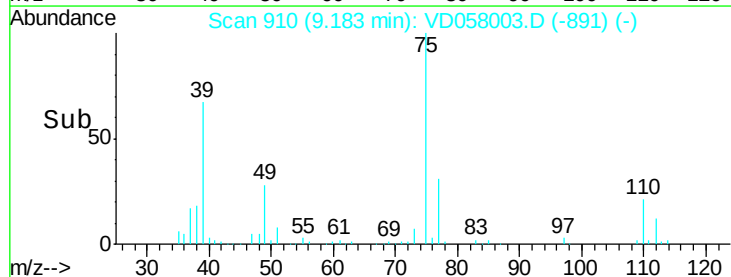
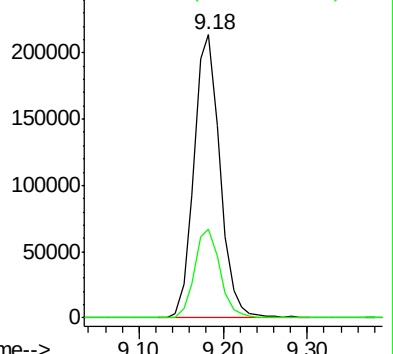
75 100

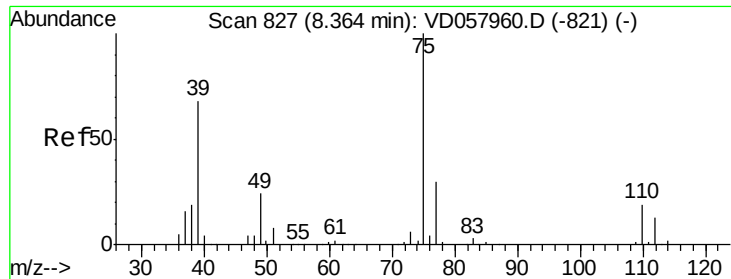
77 31.5 24.3 36.5



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: 50.550 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

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

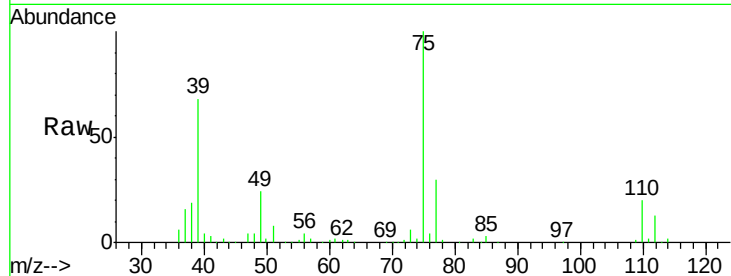
Tgt Ion: 75 Resp: 569150

Ion Ratio Lower Upper

75 100

77 30.4 24.1 36.1

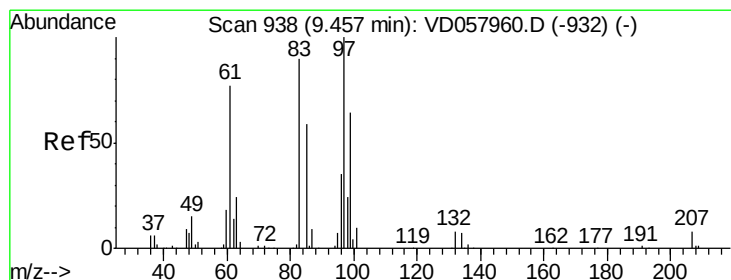
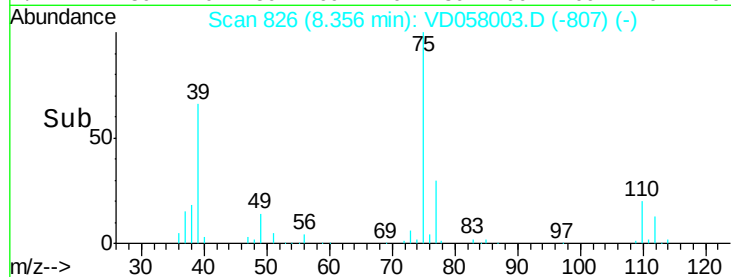
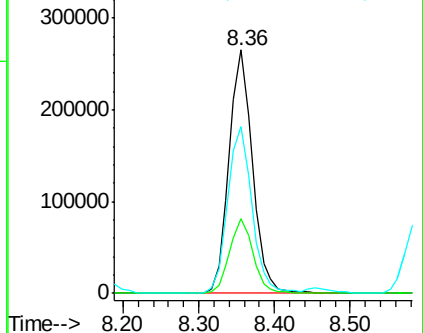
39 68.3 54.0 81.0



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: 56.314 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Tgt Ion: 97 Resp: 277549

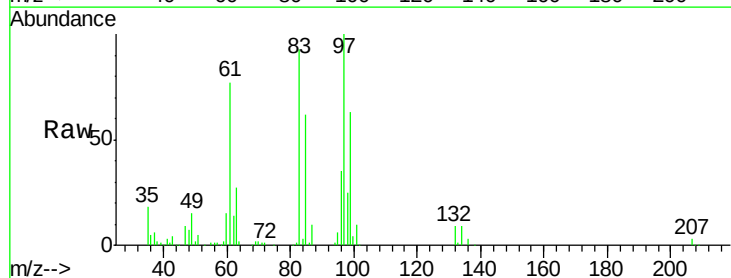
Ion Ratio Lower Upper

97 100

83 92.8 71.8 107.8

85 61.9 47.2 70.8

99 63.4 51.4 77.0

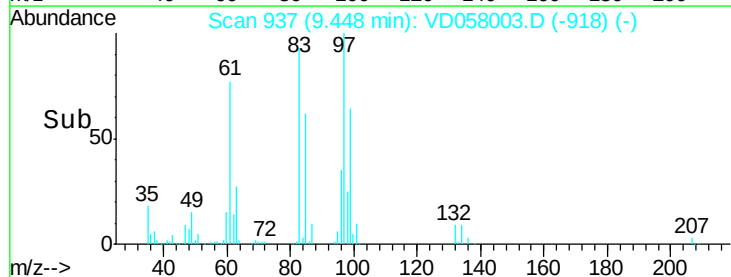
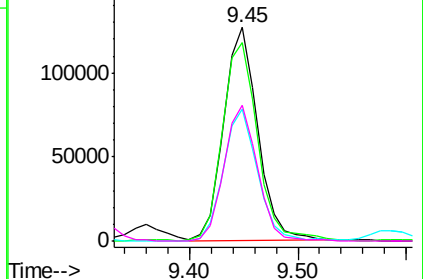


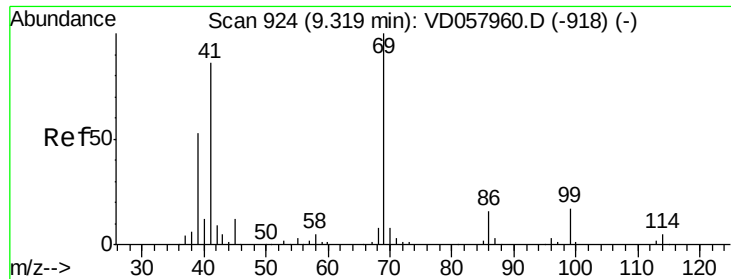
Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 58.116 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

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

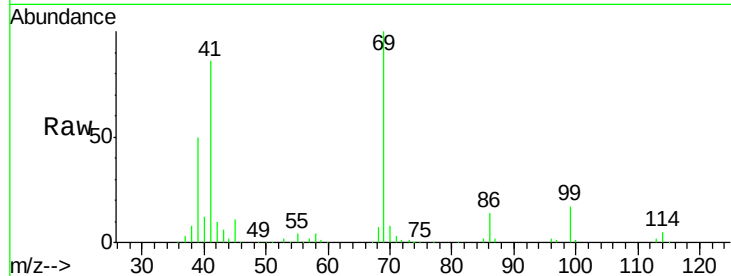
Tgt Ion: 69 Resp: 351354

Ion Ratio Lower Upper

69 100

41 86.2 68.4 102.6

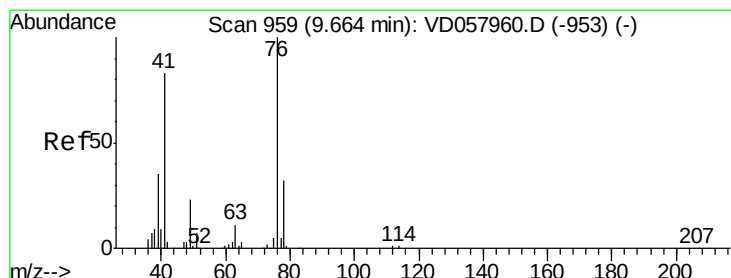
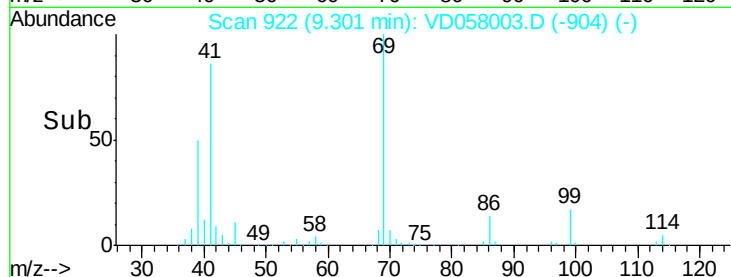
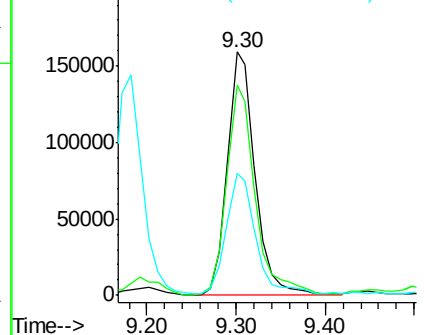
39 49.9 43.0 64.4



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: 54.029 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058003.D

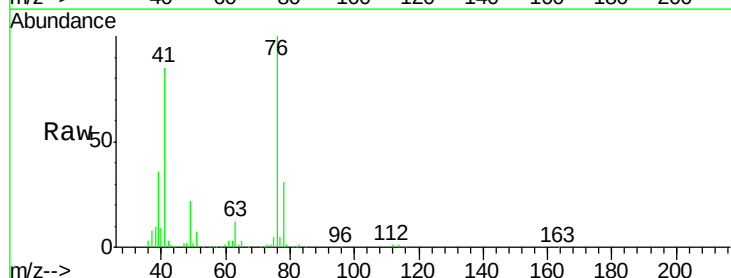
Acq: 8 Jun 2018 7:49

Tgt Ion: 76 Resp: 467039

Ion Ratio Lower Upper

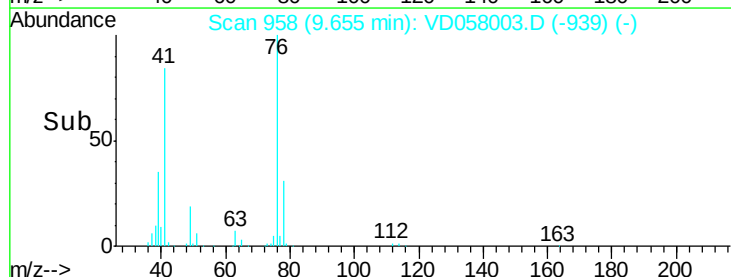
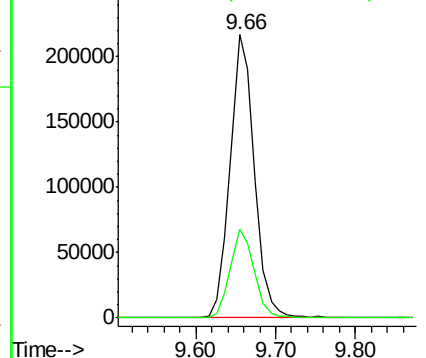
76 100

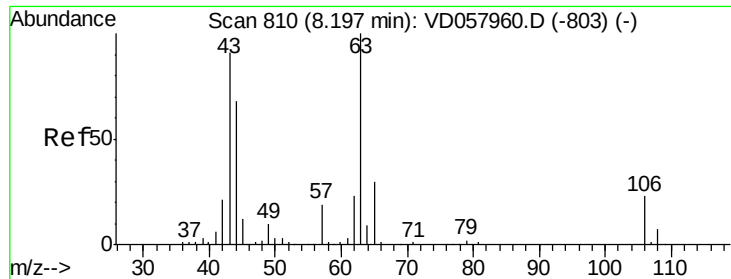
78 31.3 25.4 38.2



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: 267.397 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

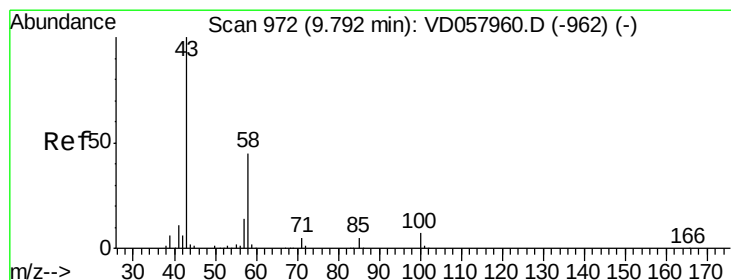
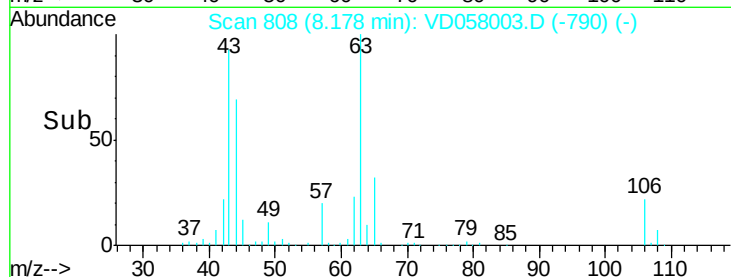
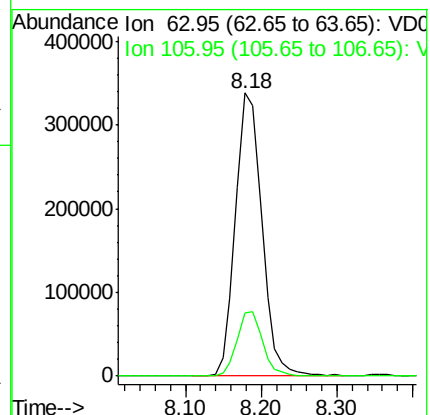
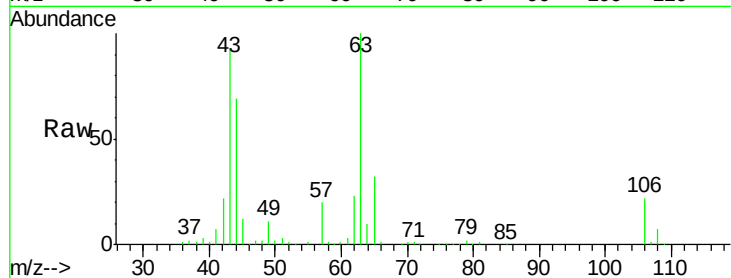
CAS1-SB-02-03-1-27MS

Tgt Ion: 63 Resp: 816756

Ion Ratio Lower Upper

63 100

106 22.1 18.7 28.1



#59

2-Hexanone

Concen: 255.759 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD058003.D

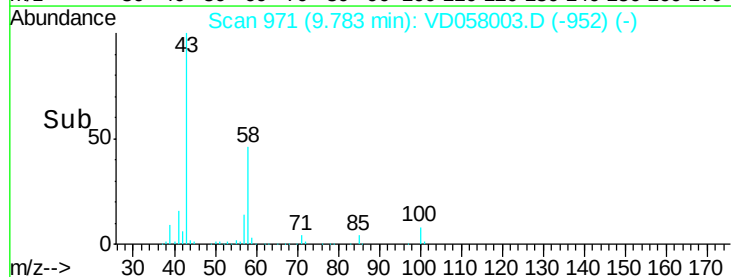
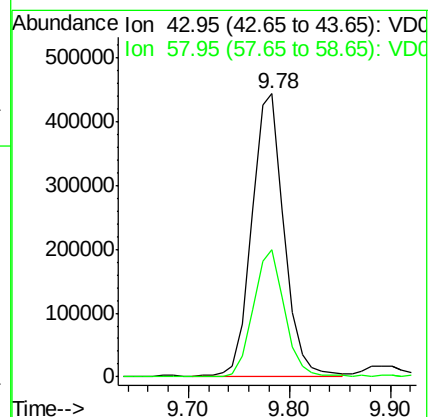
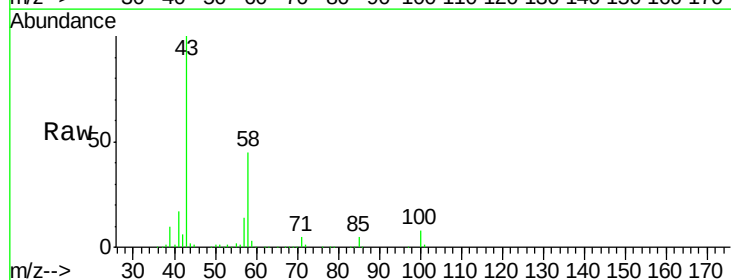
Acq: 8 Jun 2018 7:49

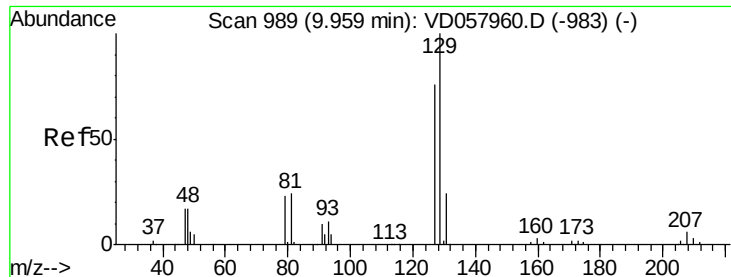
Tgt Ion: 43 Resp: 975972

Ion Ratio Lower Upper

43 100

58 45.0 22.5 67.5





#60

Dibromochloromethane

Concen: 57.416 ug/l

RT: 9.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

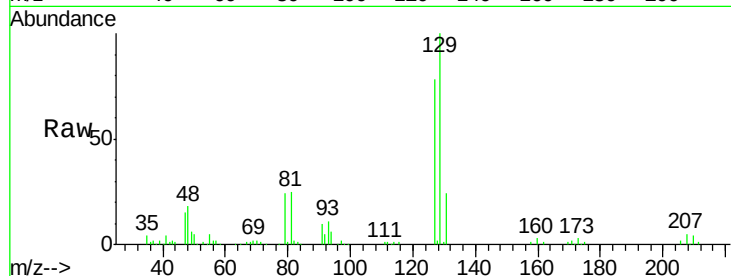
CAS1-SB-02-03-1-27MS

Tgt Ion:129 Resp: 399044

Ion Ratio Lower Upper

129 100

127 77.5 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

200000

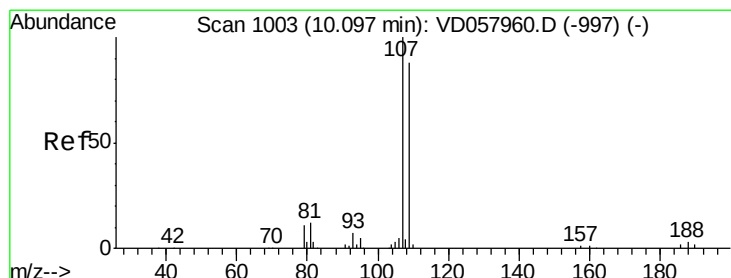
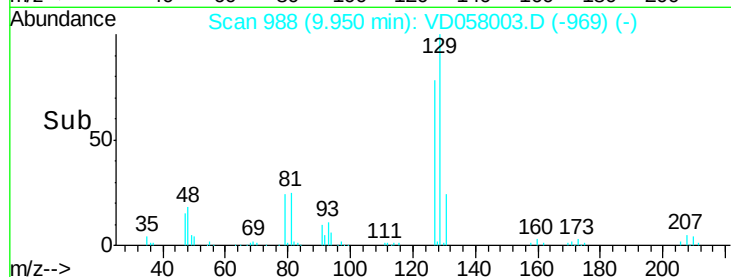
150000

100000

50000

0

Time--> 9.80 9.90 10.00 10.10



#61

1,2-Dibromoethane

Concen: 51.490 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058003.D

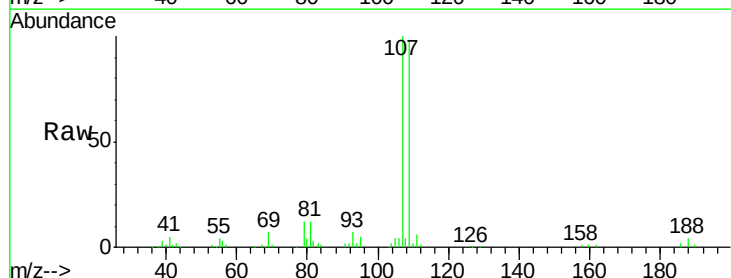
Acq: 8 Jun 2018 7:49

Tgt Ion:107 Resp: 291842

Ion Ratio Lower Upper

107 100

109 97.5 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

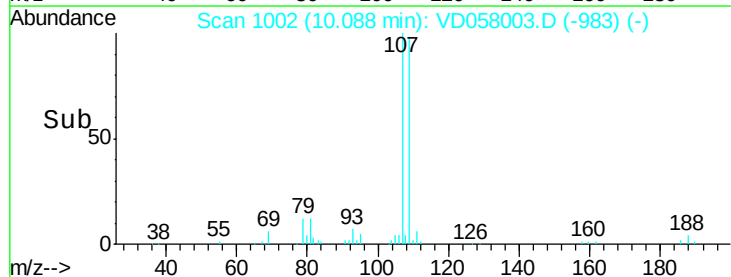
150000

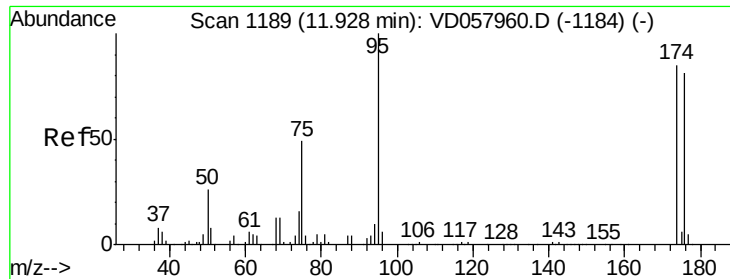
100000

50000

0

Time--> 10.00 10.10 10.20

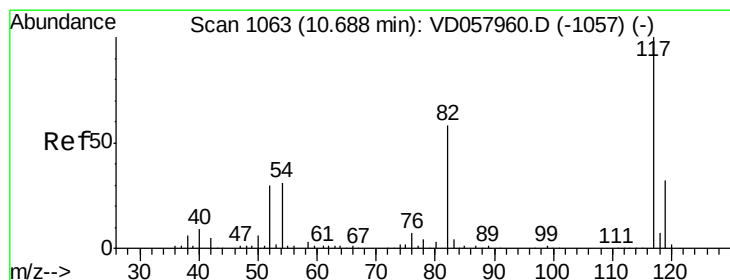
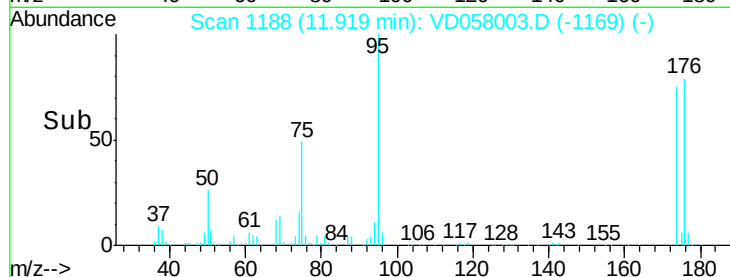
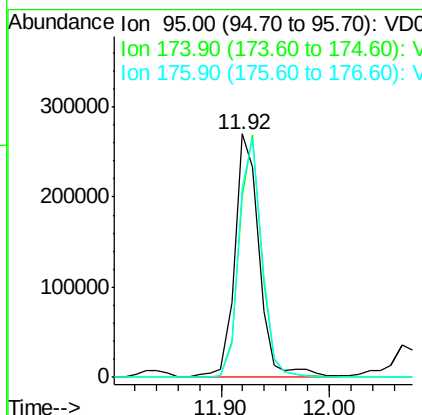
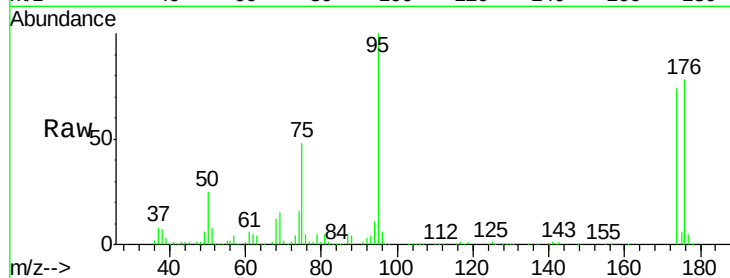




#62
4-Bromofluorobenzene
Concen: 51.490 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

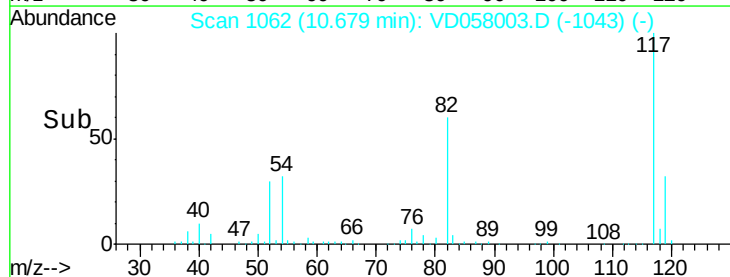
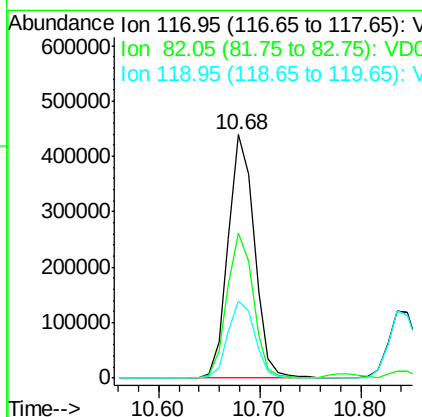
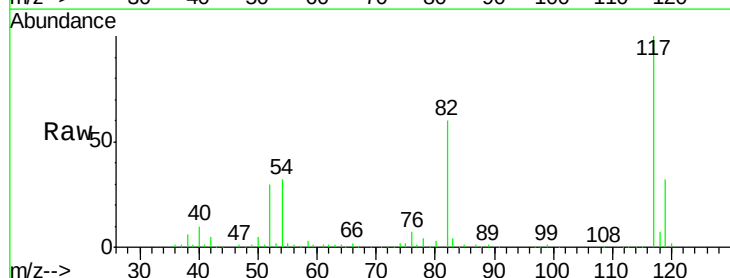
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

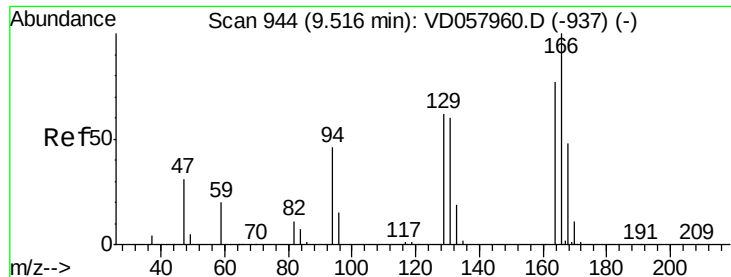
Tgt Ion: 95 Resp: 423468
Ion Ratio Lower Upper
95 100
174 74.2 0.0 169.4
176 78.1 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion: 117 Resp: 794386
Ion Ratio Lower Upper
117 100
82 59.7 46.8 70.2
119 31.9 25.8 38.6

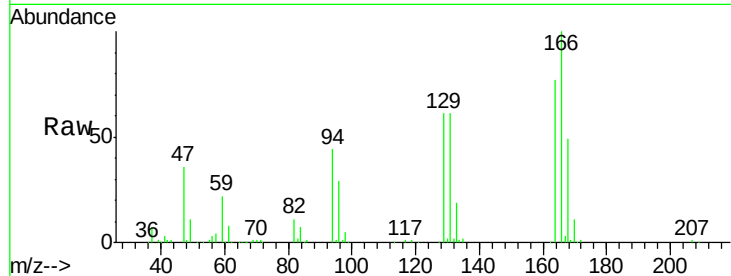




#64
Tetrachloroethene
Concen: 49.960 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

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

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.4	156.6
129	79.6	65.0	97.6
131	79.1	62.9	94.3



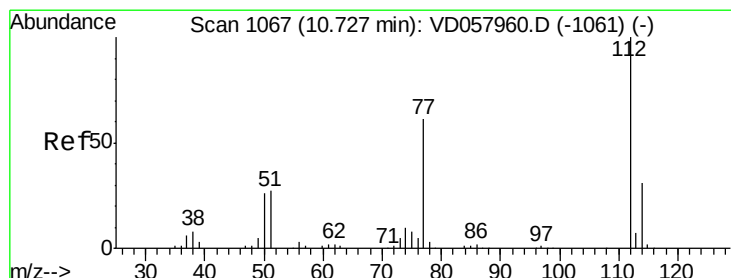
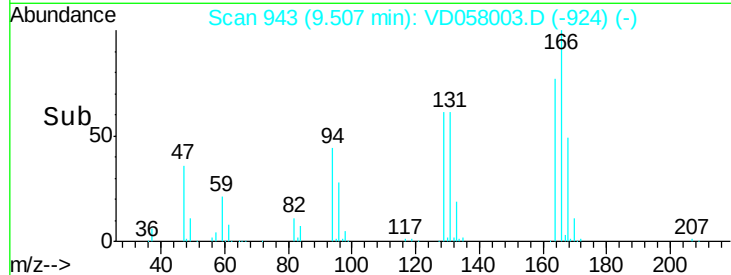
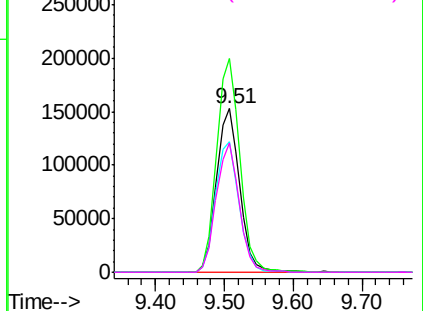
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

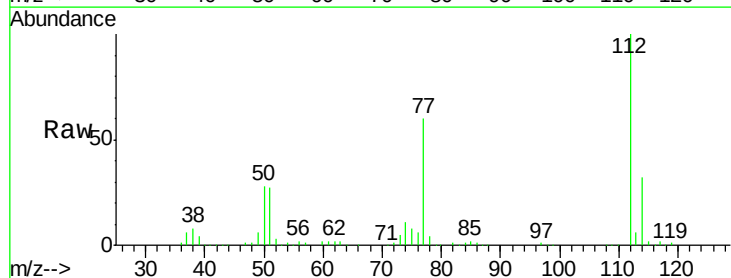
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 51.579 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

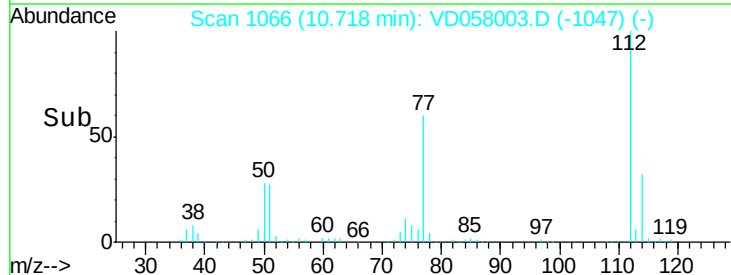
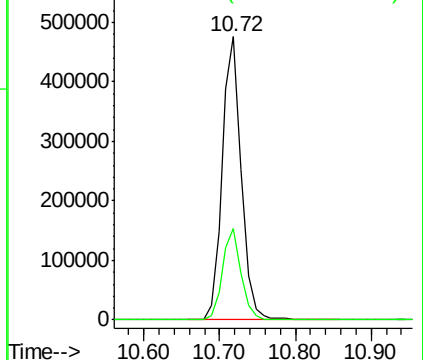
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	24.9	37.3

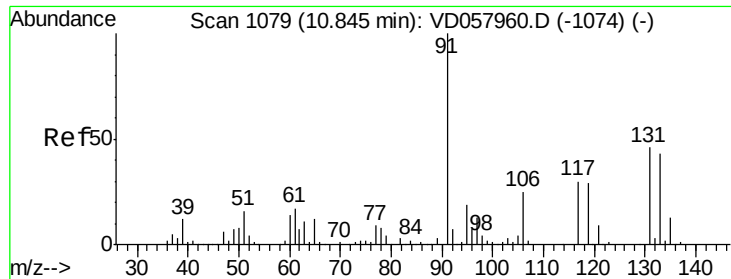


Abundance

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: 58.015 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

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

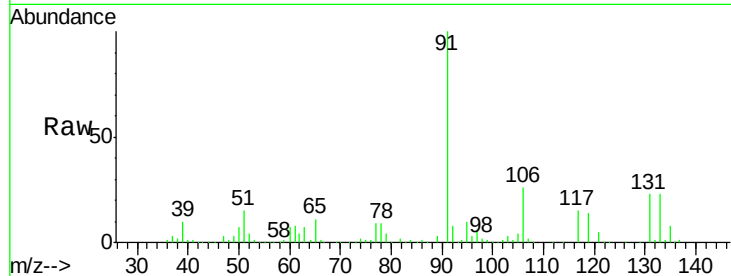
Tgt Ion:131 Resp: 358456

Ion Ratio Lower Upper

131 100

133 100.1 46.9 140.6

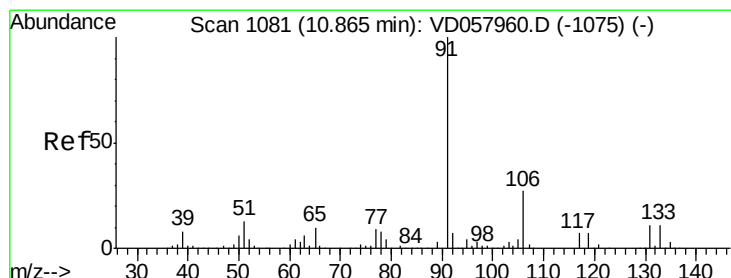
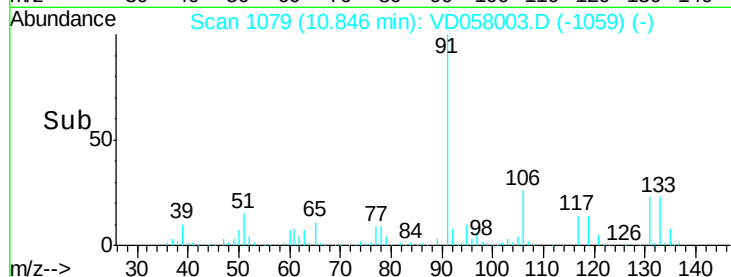
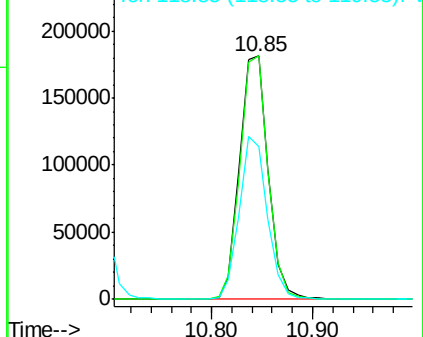
119 62.9 31.8 95.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#67

Ethyl Benzene

Concen: 51.686 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VD058003.D

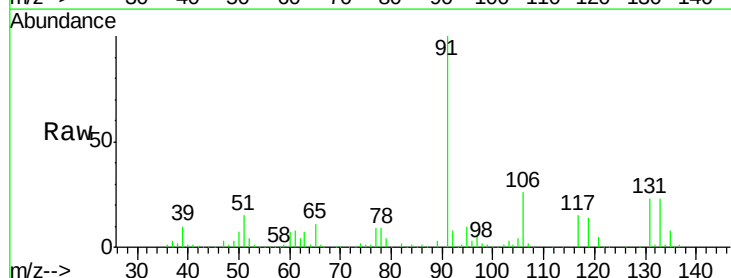
Acq: 8 Jun 2018 7:49

Tgt Ion: 91 Resp: 1501680

Ion Ratio Lower Upper

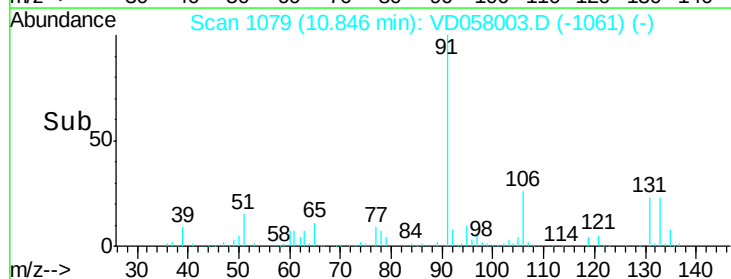
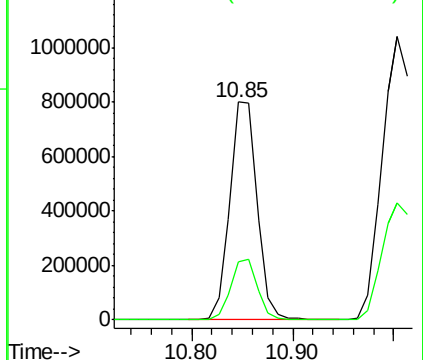
91 100

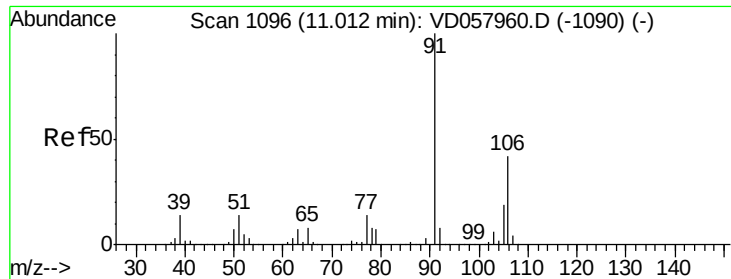
106 26.4 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

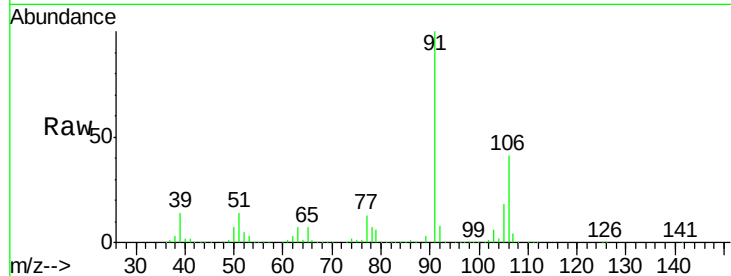




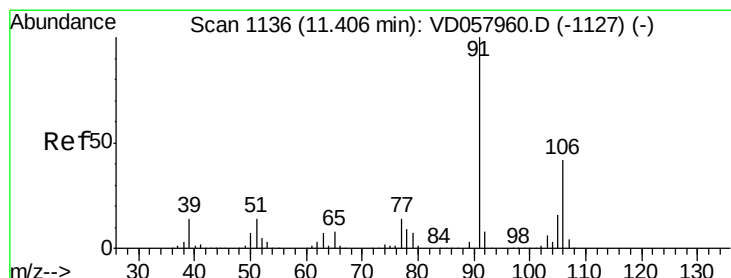
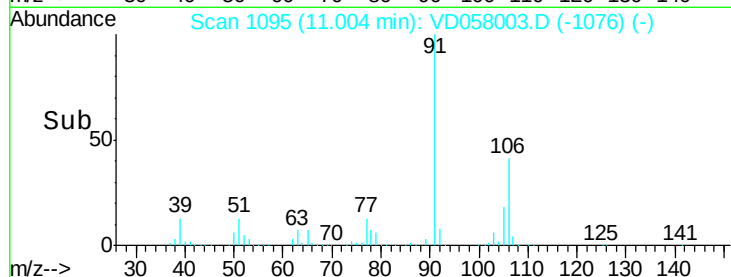
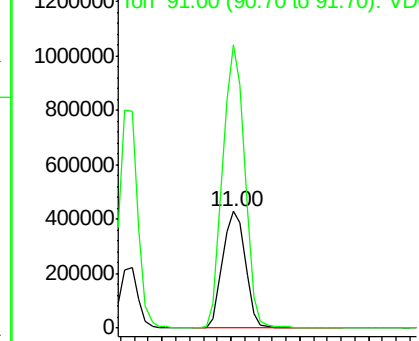
#68
m/p-Xylenes
Concen: 103.844 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

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

Tgt Ion:106 Resp: 983557
Ion Ratio Lower Upper
106 100
91 242.1 190.4 285.6

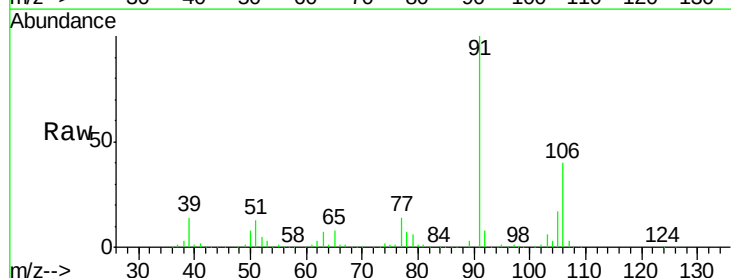


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

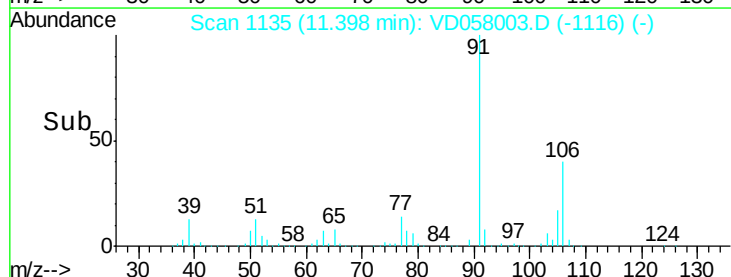
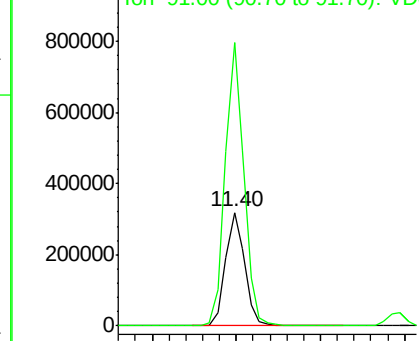


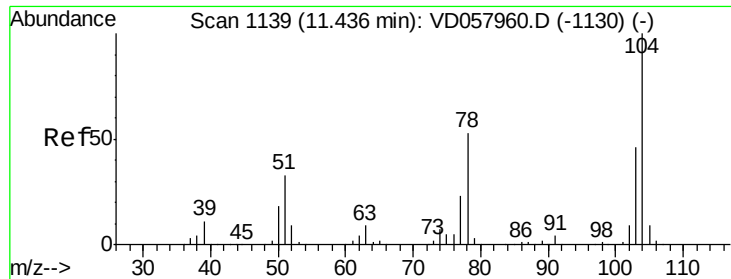
#69
o-Xylene
Concen: 53.521 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion:106 Resp: 503181
Ion Ratio Lower Upper
106 100
91 249.5 120.6 361.7



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

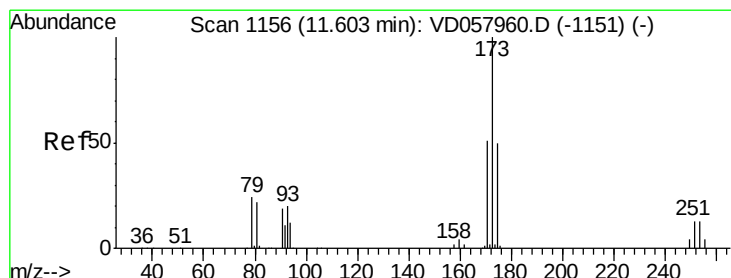
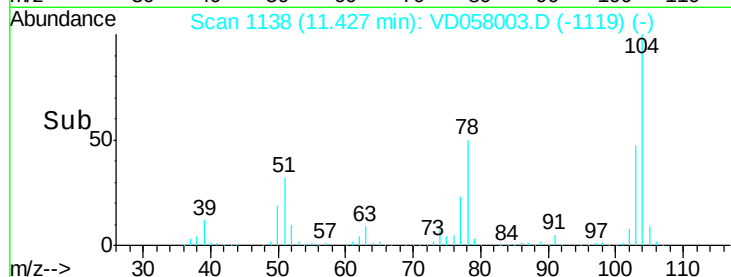
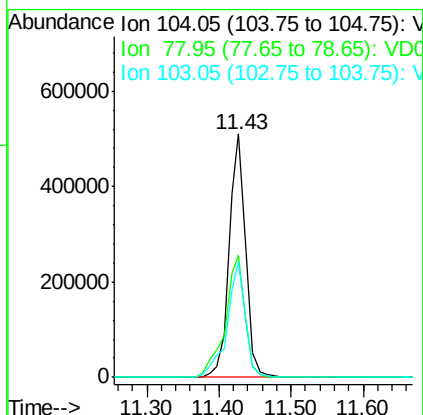
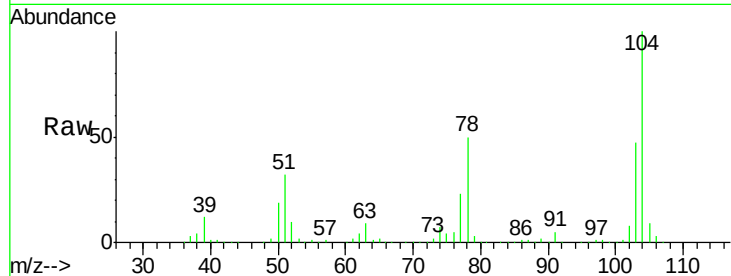




#70
Styrene
Concen: 51.721 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

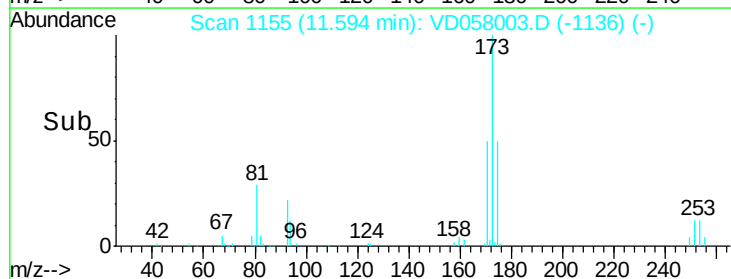
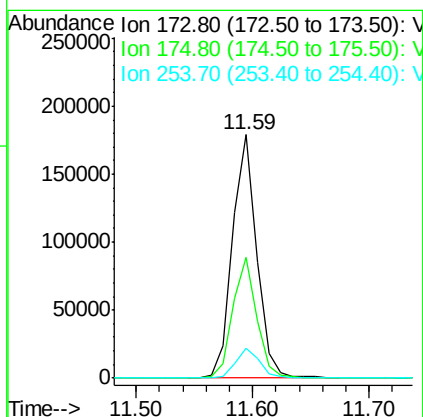
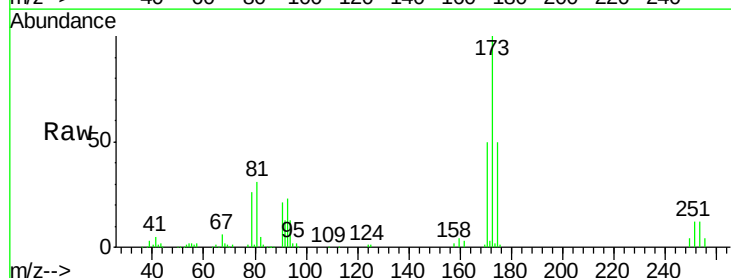
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

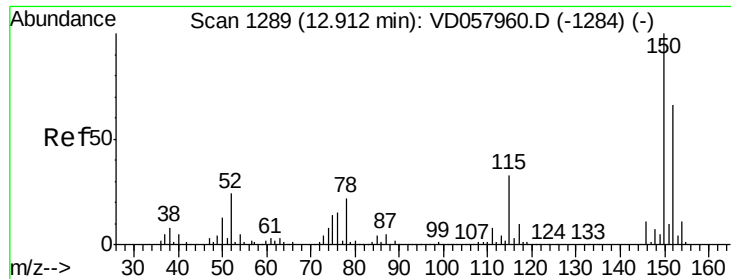
Tgt Ion:104 Resp: 804964
Ion Ratio Lower Upper
104 100
78 50.1 42.1 63.1
103 47.3 37.0 55.6



#71
Bromoform
Concen: 55.489 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion:173 Resp: 257915
Ion Ratio Lower Upper
173 100
175 49.7 25.1 75.2
254 12.3 10.7 16.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

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

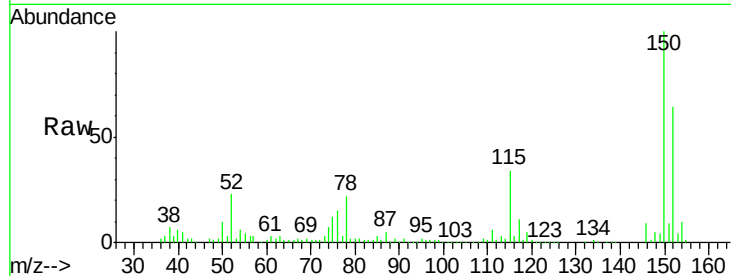
Tgt Ion:152 Resp: 362957

Ion Ratio Lower Upper

152 100

115 52.8 25.6 76.6

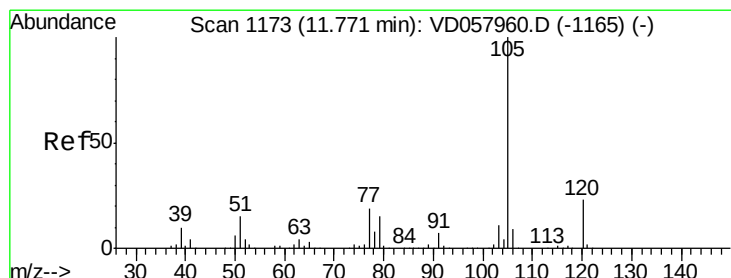
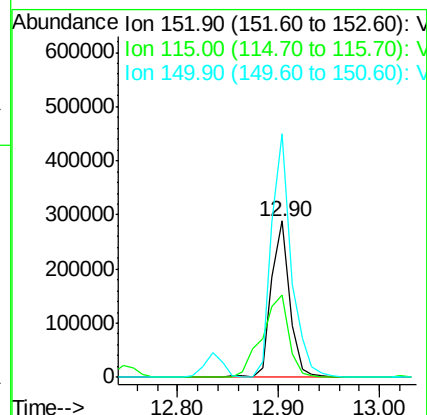
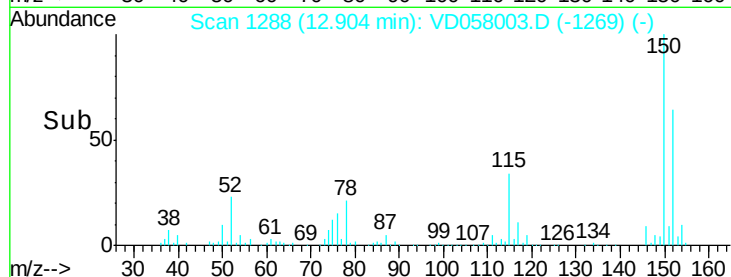
150 155.7 0.0 306.8



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: 55.453 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD058003.D

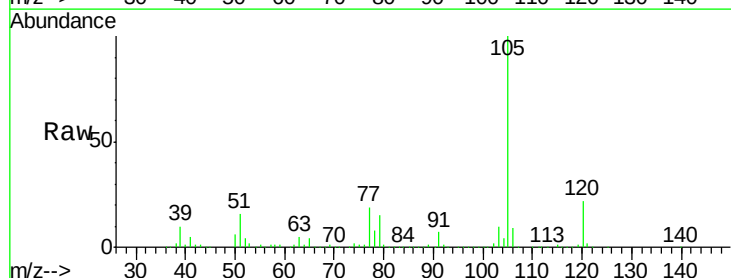
Acq: 8 Jun 2018 7:49

Tgt Ion:105 Resp: 1333119

Ion Ratio Lower Upper

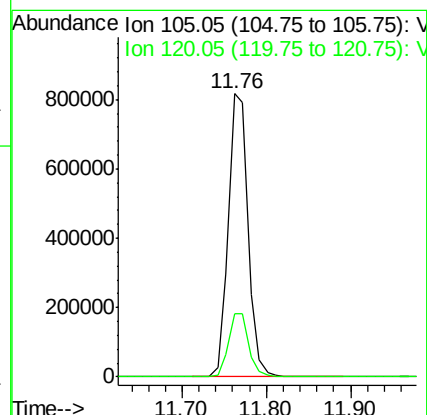
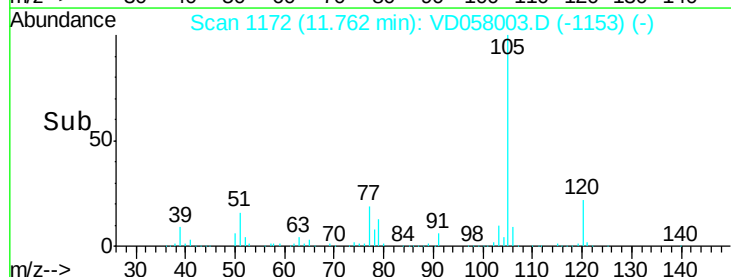
105 100

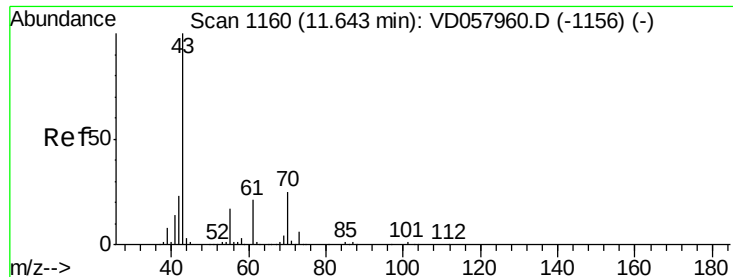
120 22.4 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amyI acetate

Concen: 53.721 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

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

Tgt Ion: 43 Resp: 498351

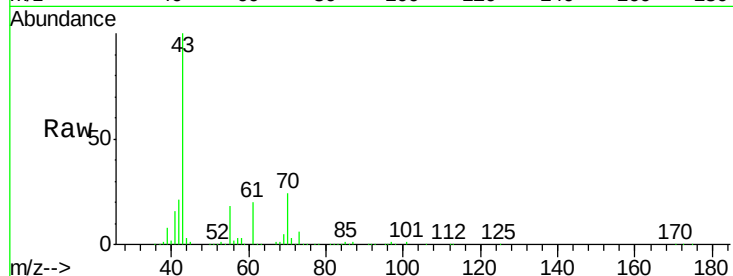
Ion Ratio Lower Upper

43 100

70 24.2 20.3 30.5

55 18.2 13.9 20.9

61 20.3 16.6 24.8

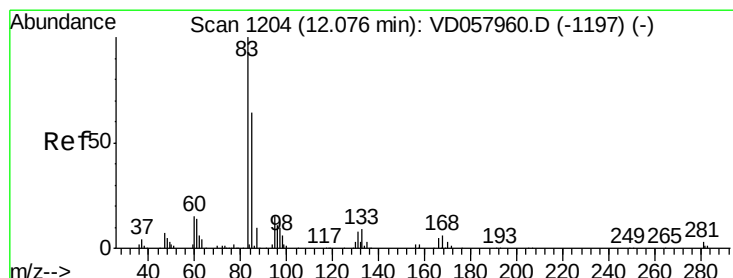
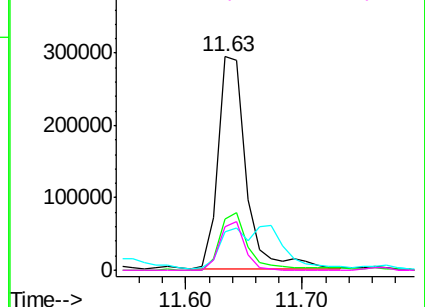
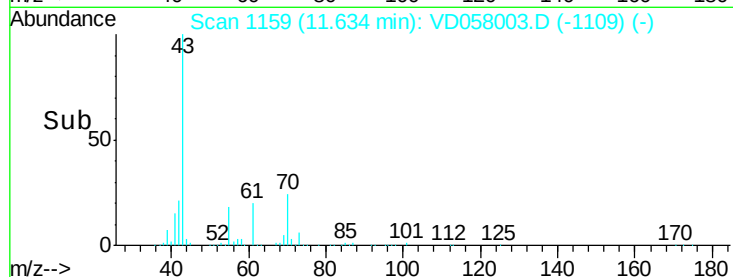


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 66.499 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

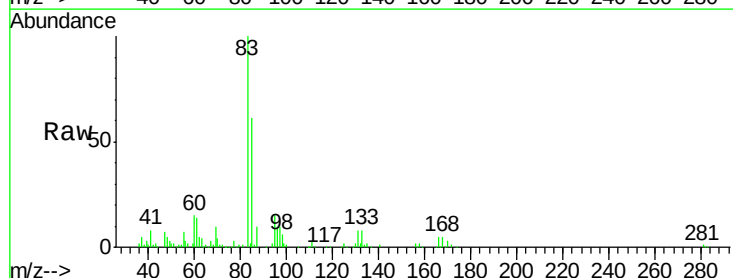
Tgt Ion: 83 Resp: 348550

Ion Ratio Lower Upper

83 100

131 8.1 4.2 12.6

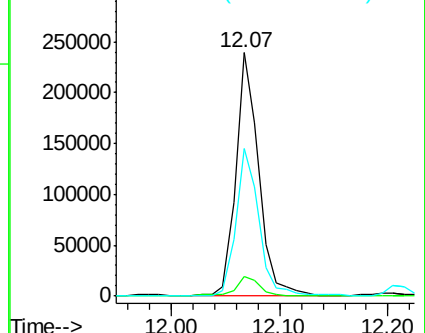
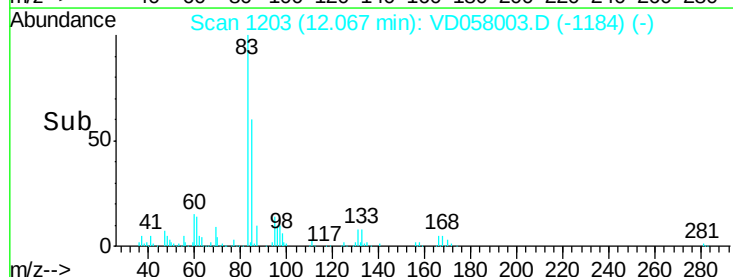
85 60.6 31.9 95.5

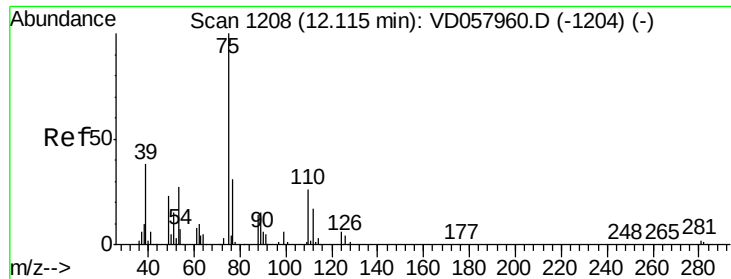


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

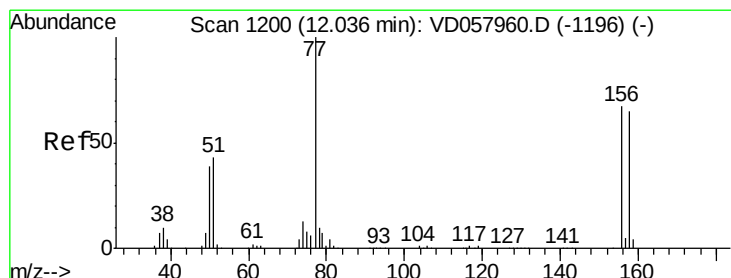
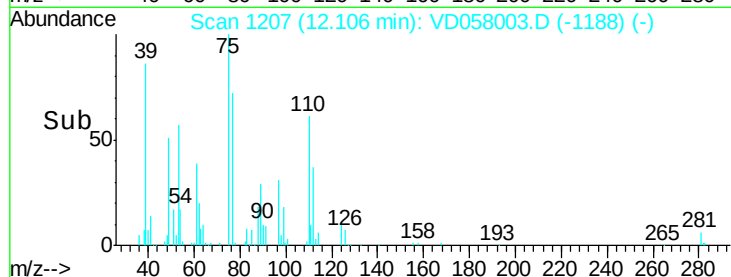
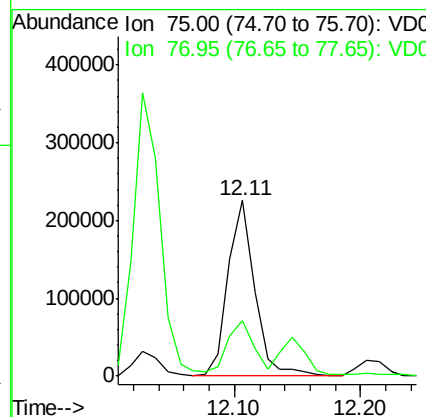
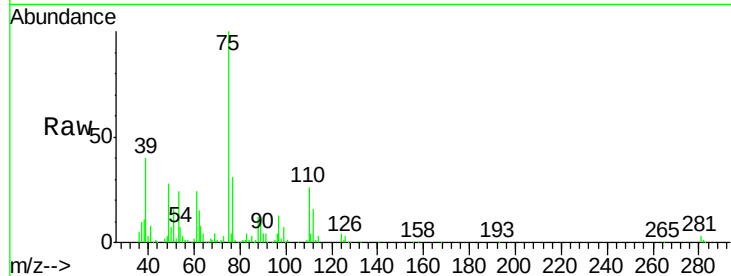




#76
 1,2,3-Trichloropropane
 Concen: 60.716 ug/l
 RT: 12.11 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

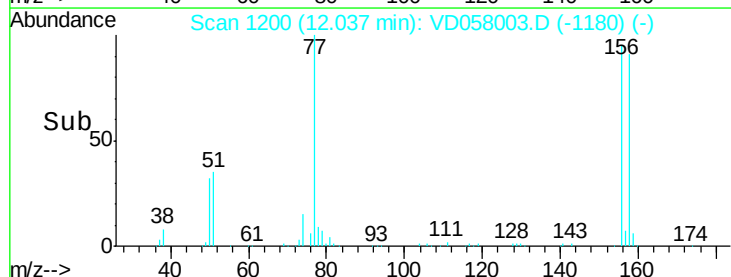
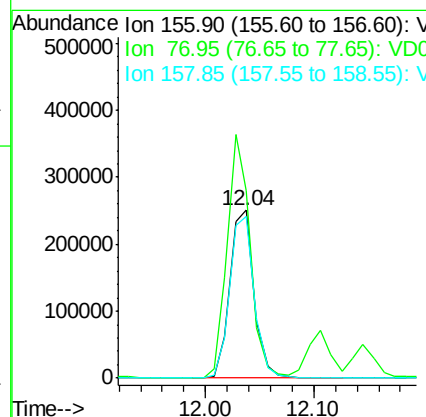
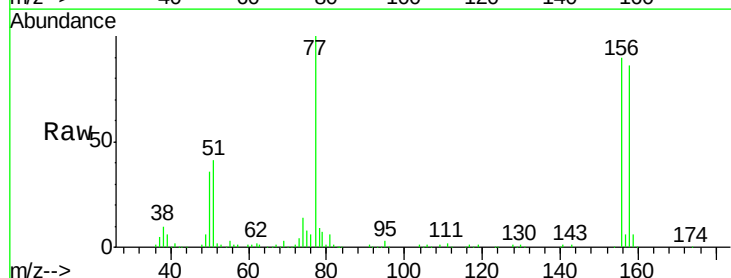
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

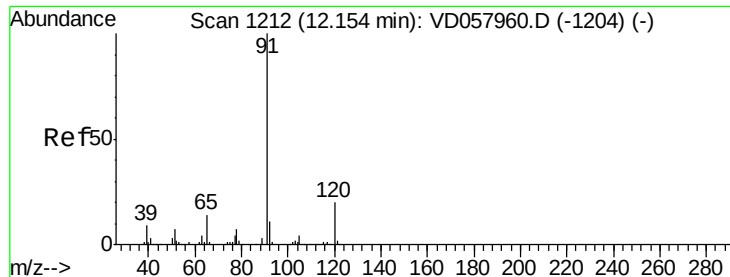
Tgt Ion: 75 Resp: 331033
 Ion Ratio Lower Upper
 75 100
 77 31.4 16.7 50.1



#77
 Bromobenzene
 Concen: 54.898 ug/l
 RT: 12.04 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion: 156 Resp: 390661
 Ion Ratio Lower Upper
 156 100
 77 111.6 75.0 224.8
 158 96.0 48.6 145.9





#78

n-propylbenzene

Concen: 52.966 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

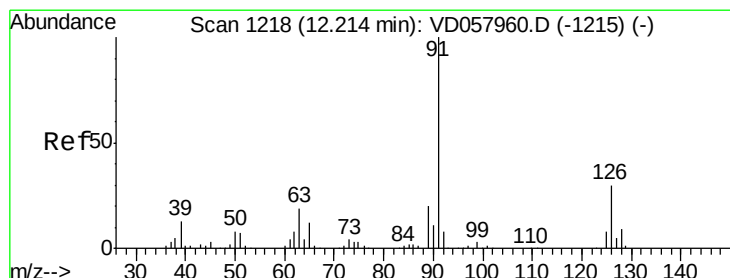
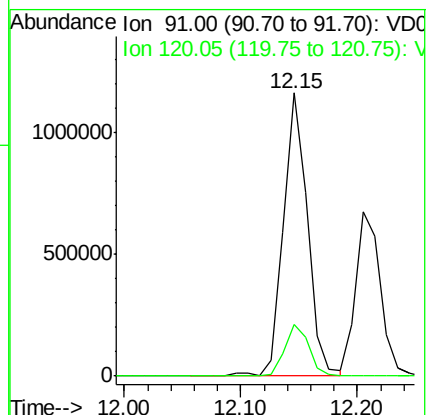
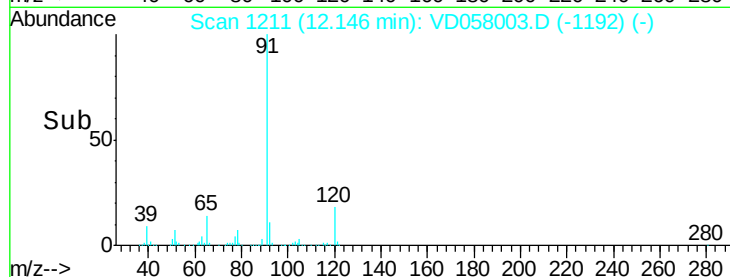
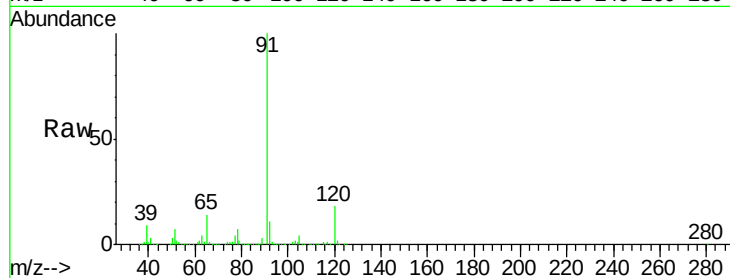
CAS1-SB-02-03-1-27MS

Tgt Ion: 91 Resp: 1656926

Ion Ratio Lower Upper

91 100

120 18.5 9.8 29.4



#79

2-Chlorotoluene

Concen: 55.261 ug/l

RT: 12.20 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD058003.D

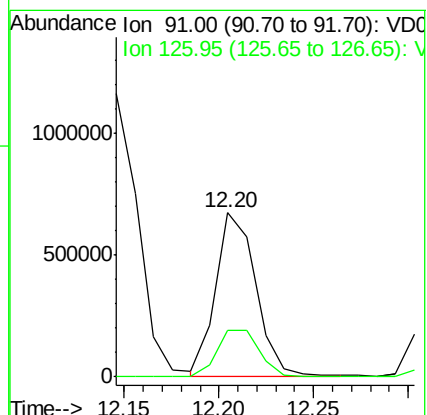
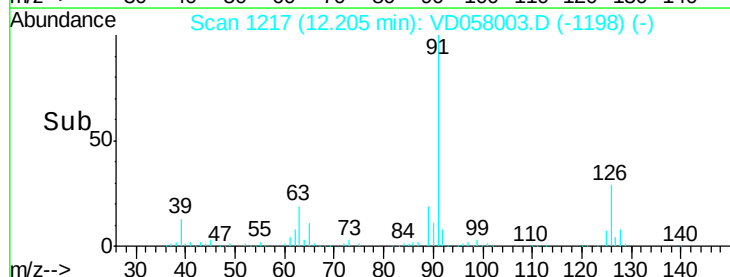
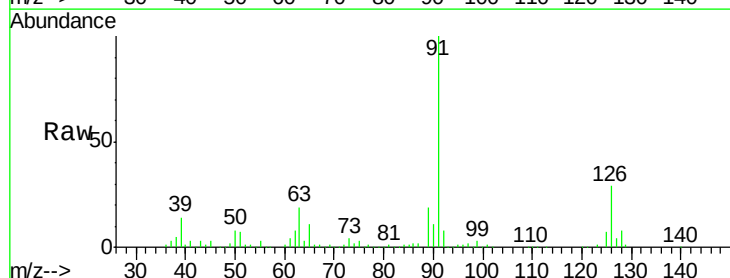
Acq: 8 Jun 2018 7:49

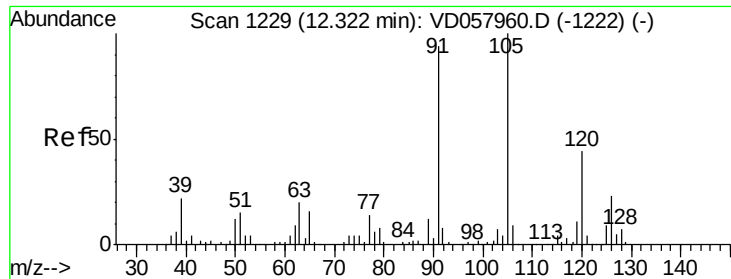
Tgt Ion: 91 Resp: 986216

Ion Ratio Lower Upper

91 100

126 28.6 14.6 44.0

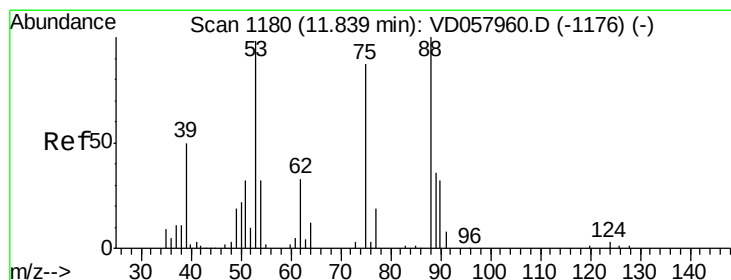
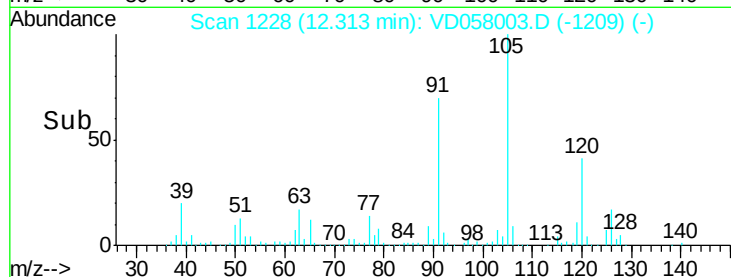
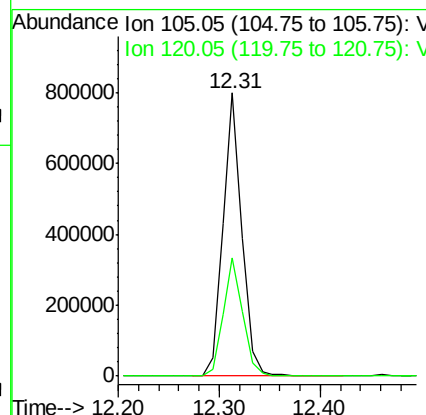
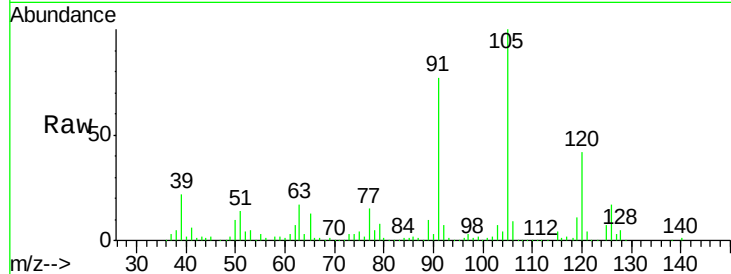




#80
 1,3,5-Trimethylbenzene
 Concen: 55.758 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

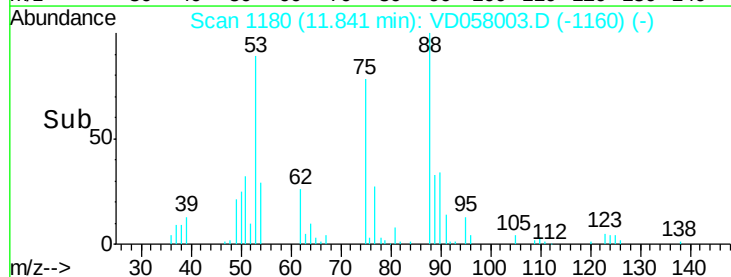
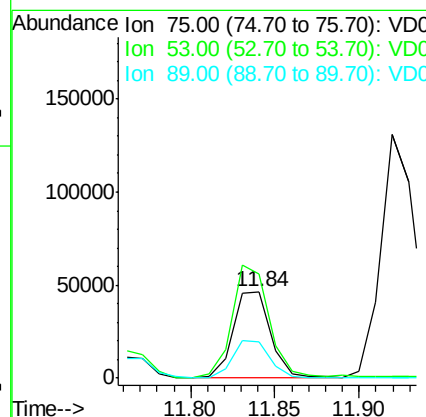
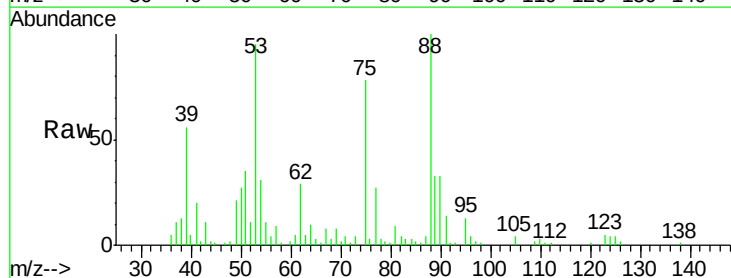
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

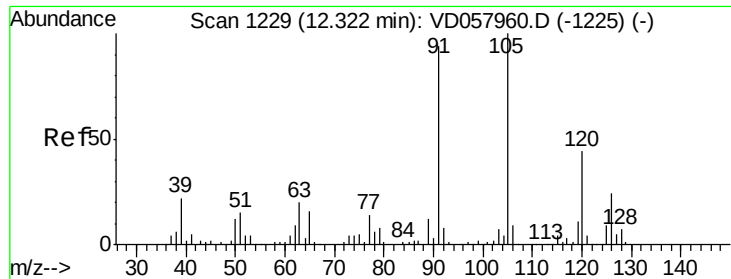
Tgt Ion: 105 Resp: 1045361
 Ion Ratio Lower Upper
 105 100
 120 41.9 22.0 66.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.371 ug/l
 RT: 11.84 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion: 75 Resp: 72073
 Ion Ratio Lower Upper
 75 100
 53 120.8 89.3 133.9
 89 42.0 33.3 49.9

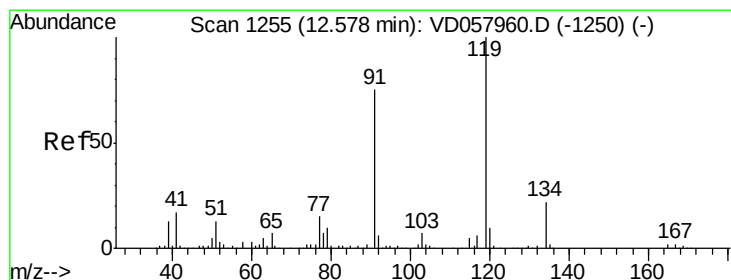
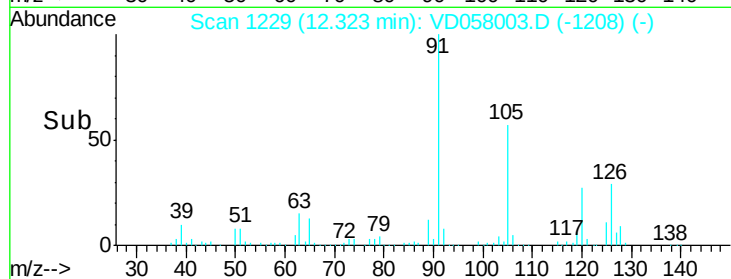
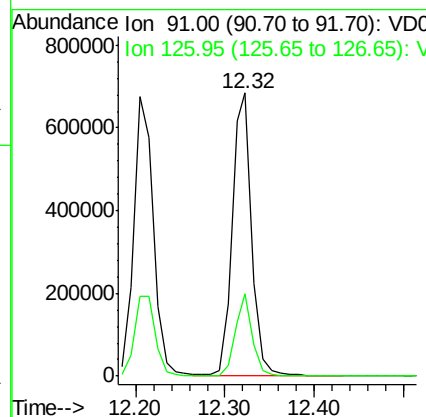
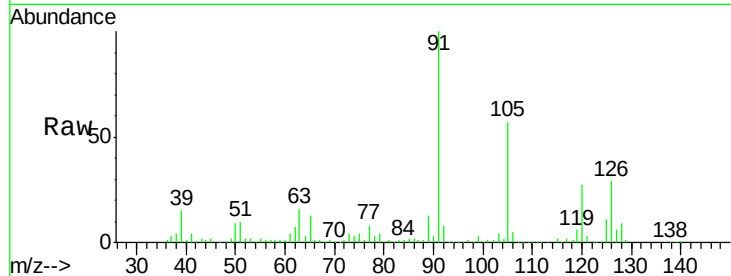




#82
4-Chlorotoluene
Concen: 61.069 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

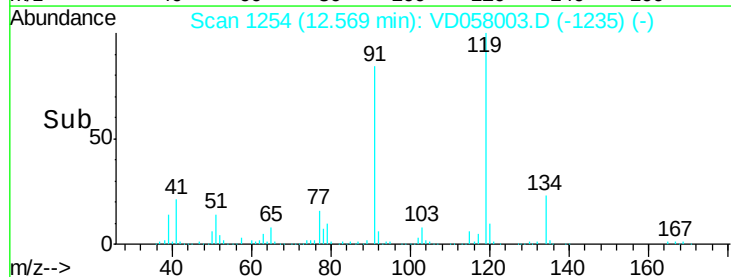
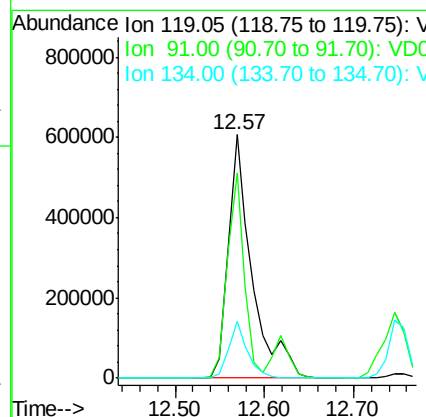
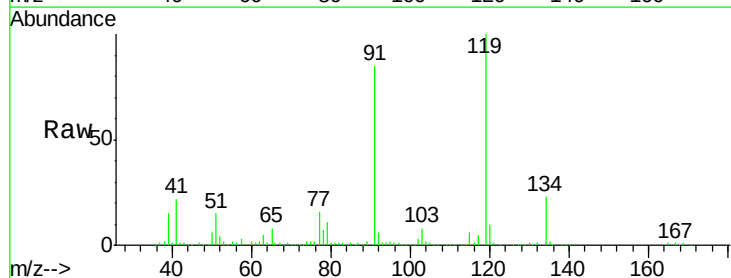
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

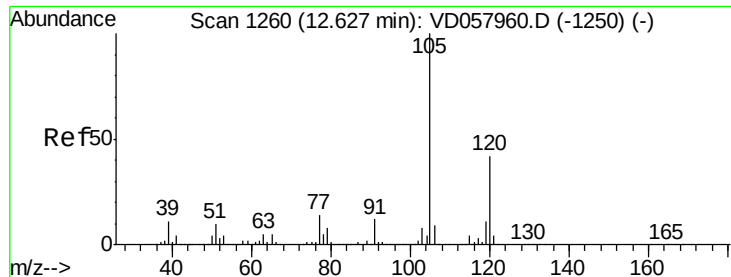
Tgt Ion: 91 Resp: 1047698
Ion Ratio Lower Upper
91 100
126 29.0 12.5 37.5



#83
tert-Butylbenzene
Concen: 53.632 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion: 119 Resp: 1135377
Ion Ratio Lower Upper
119 100
91 84.5 37.6 112.9
134 23.1 11.2 33.5

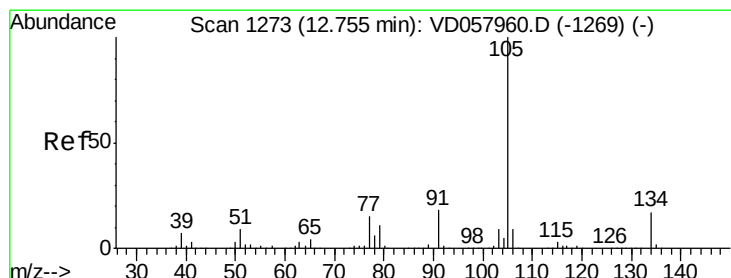
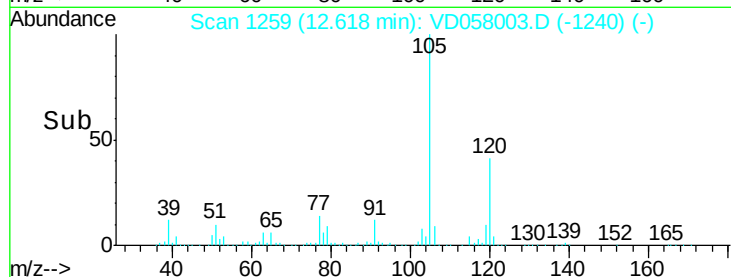
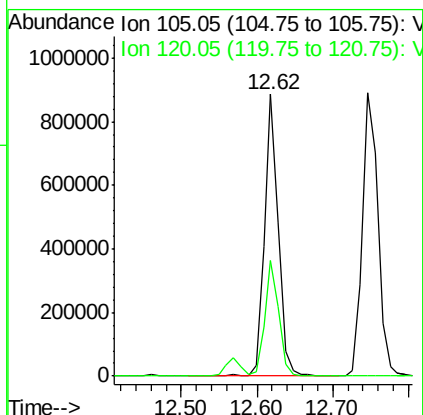
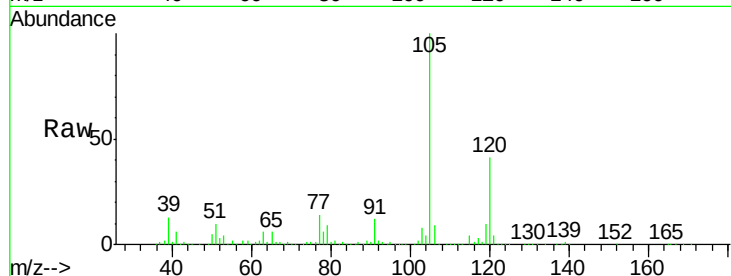




#84
 1,2,4-Trimethylbenzene
 Concen: 56.373 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

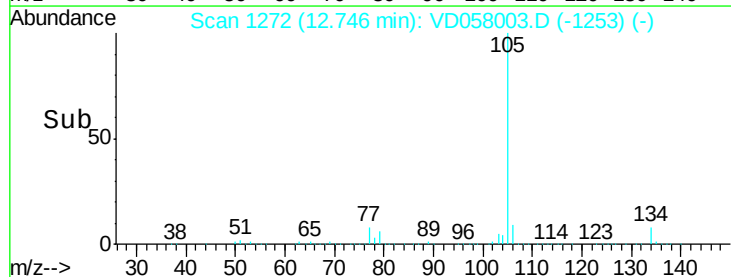
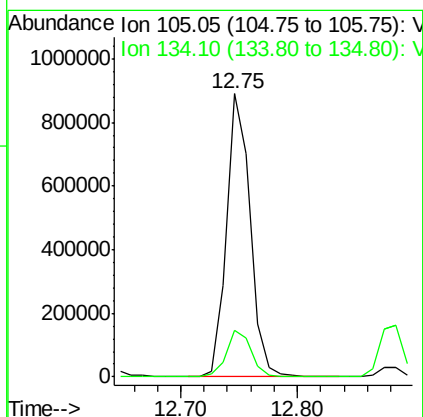
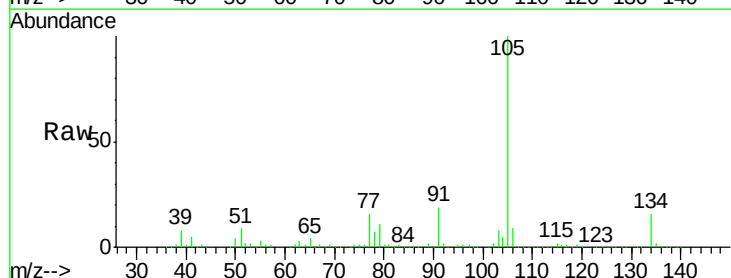
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

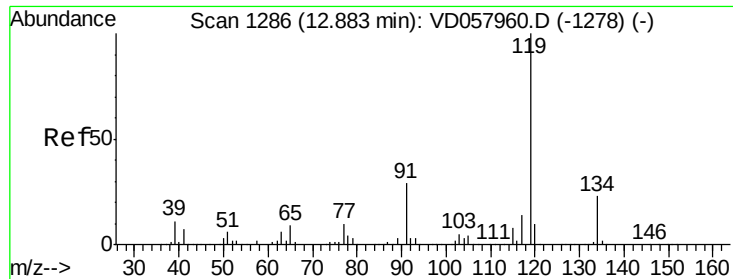
Tgt Ion:105 Resp: 1136391
 Ion Ratio Lower Upper
 105 100
 120 41.0 21.2 63.6



#85
 sec-Butylbenzene
 Concen: 48.574 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion:105 Resp: 1241003
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.3 25.1

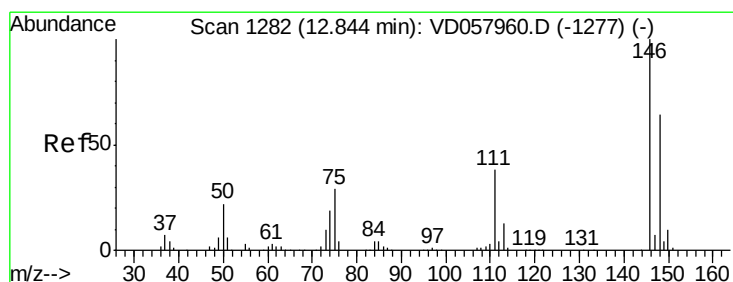
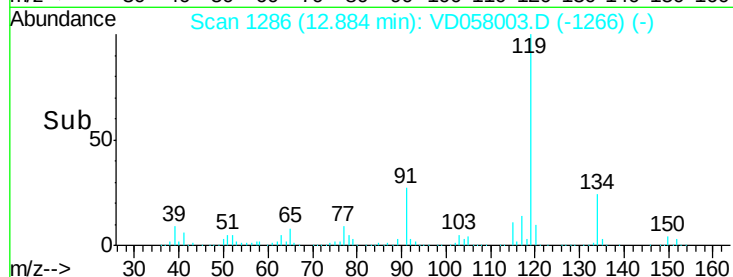
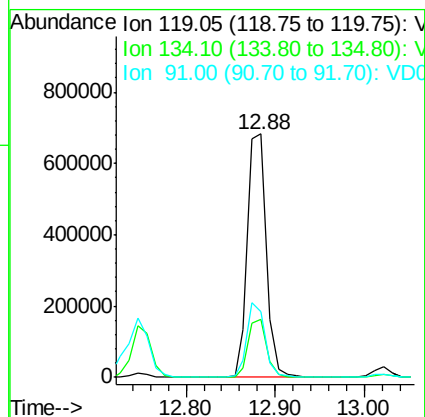
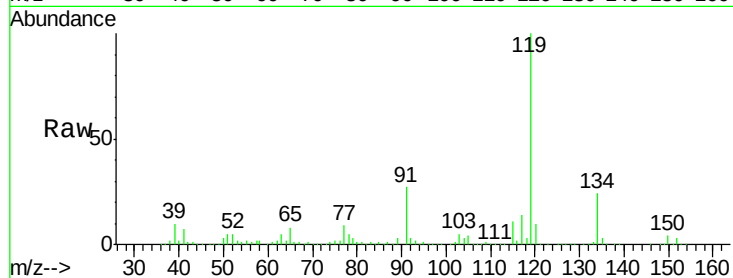




#86
p-Isopropyltoluene
Concen: 48.811 ug/l
RT: 12.88 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

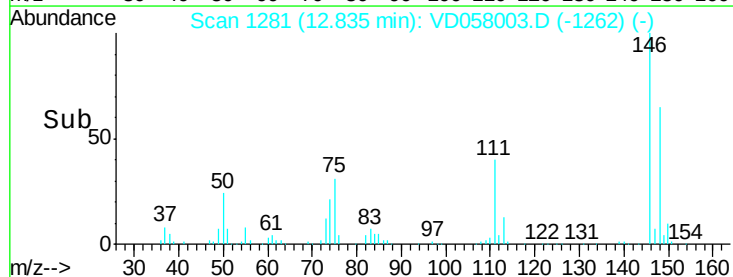
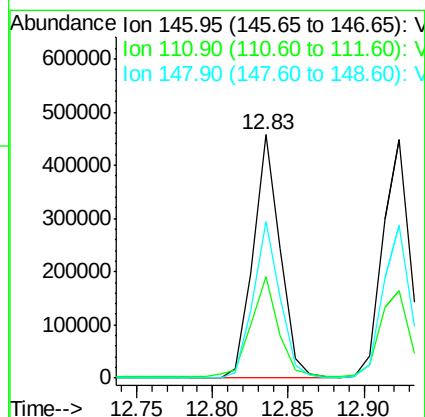
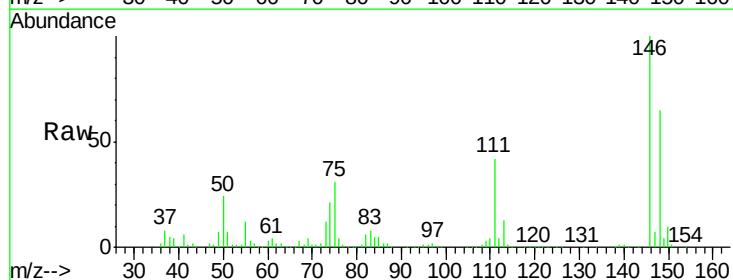
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

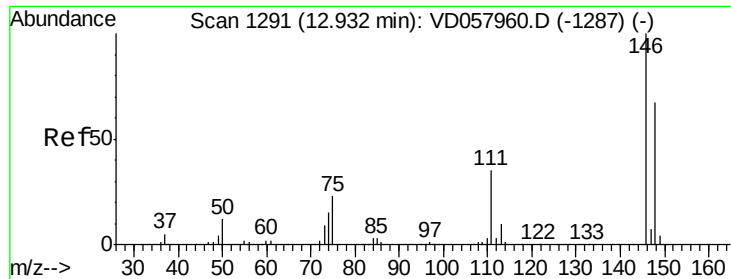
Tgt Ion:119 Resp: 1005110
Ion Ratio Lower Upper
119 100
134 24.0 11.5 34.4
91 27.0 14.5 43.6



#87
1,3-Dichlorobenzene
Concen: 47.479 ug/l
RT: 12.83 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion:146 Resp: 571523
Ion Ratio Lower Upper
146 100
111 41.7 19.1 57.3
148 64.5 32.0 96.2

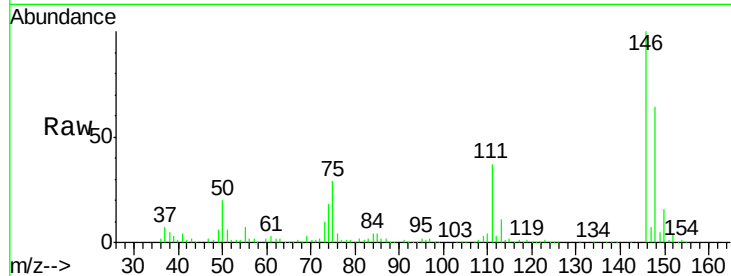




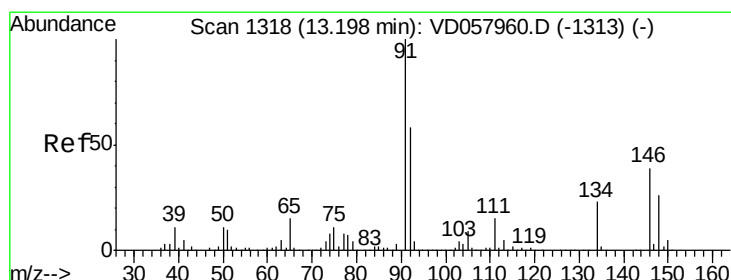
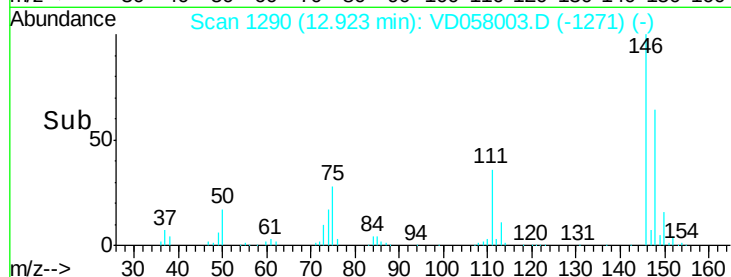
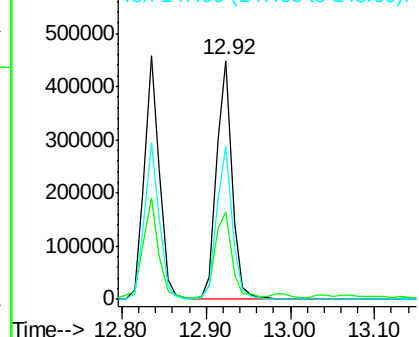
#88
 1,4-Dichlorobenzene
 Concen: 49.087 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

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

Tgt Ion: 146 Resp: 575712
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.3 52.0
 148 64.1 33.4 100.2

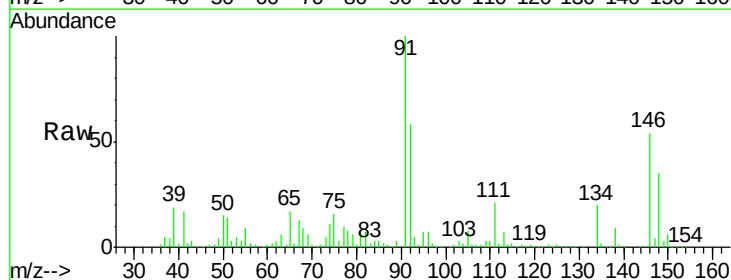


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

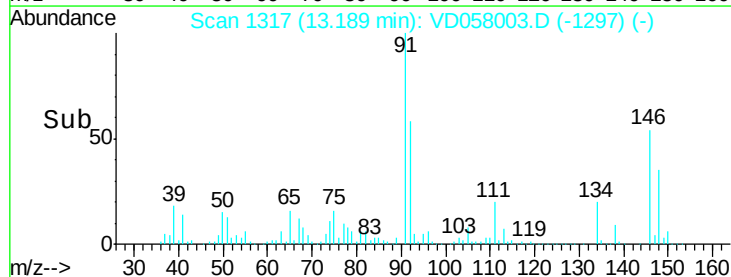
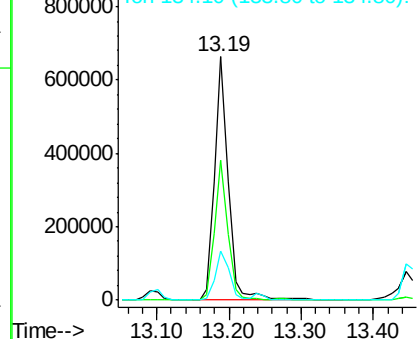


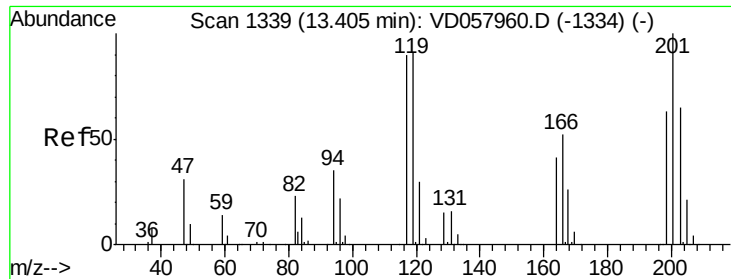
#89
 n-Butylbenzene
 Concen: 46.021 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion: 91 Resp: 860163
 Ion Ratio Lower Upper
 91 100
 92 57.6 29.2 87.6
 134 20.4 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

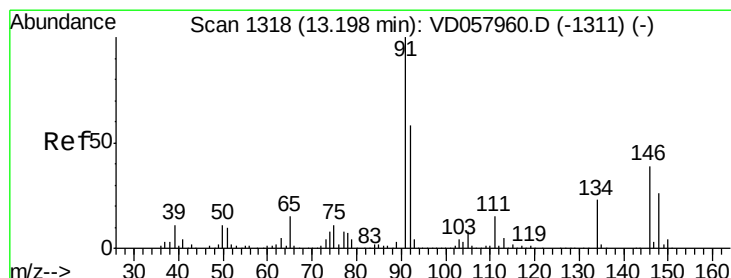
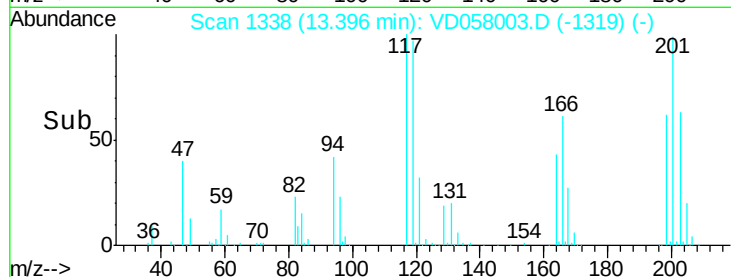
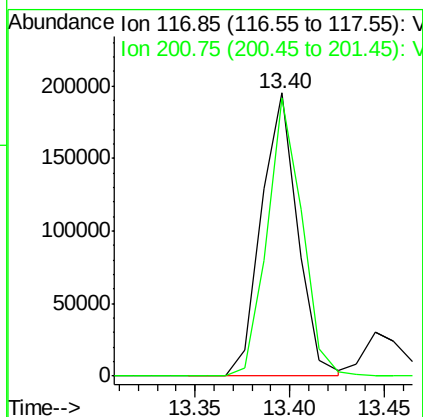
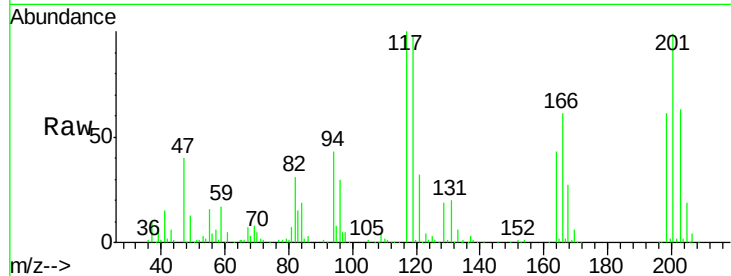




#90
Hexachloroethane
Concen: 49.307 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

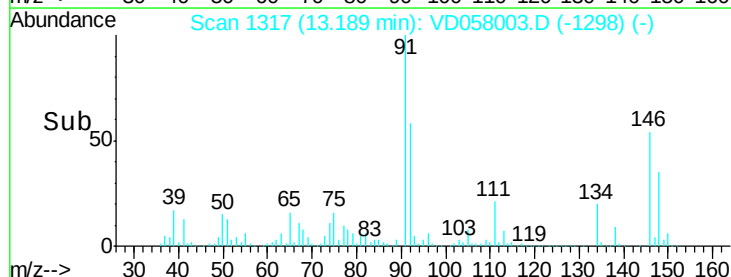
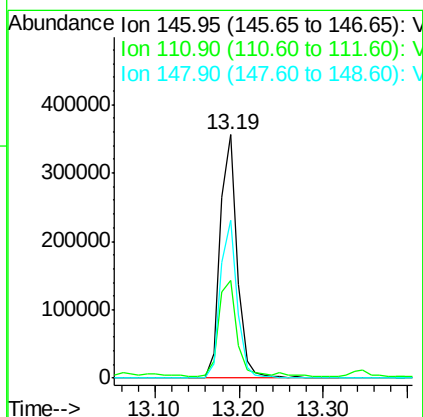
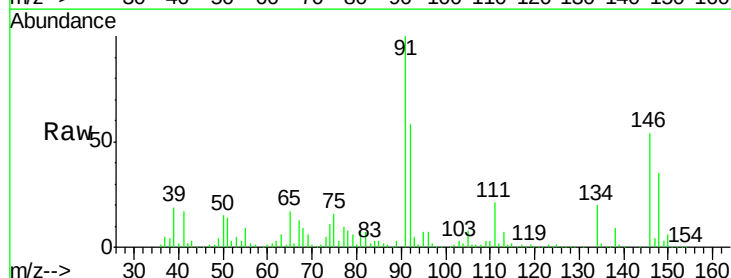
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

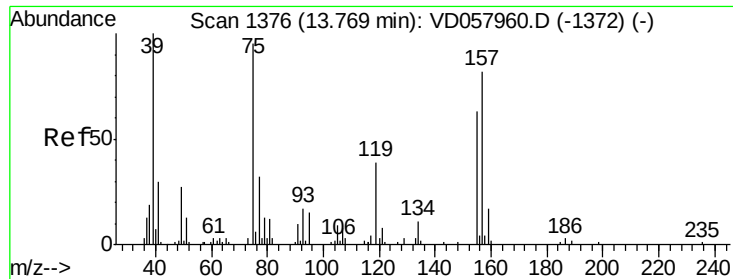
Tgt Ion:117 Resp: 259143
Ion Ratio Lower Upper
117 100
201 98.5 55.4 166.0



#91
1,2-Dichlorobenzene
Concen: 51.179 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

Tgt Ion:146 Resp: 497863
Ion Ratio Lower Upper
146 100
111 40.0 19.4 58.2
148 64.9 32.6 98.0

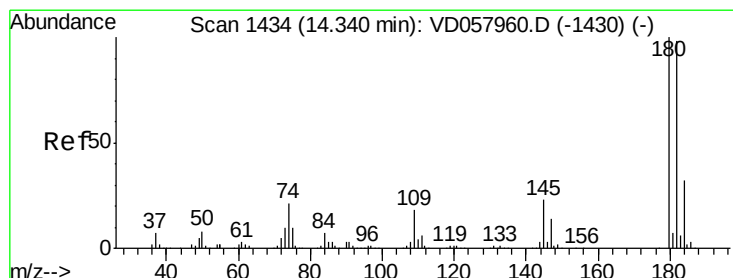
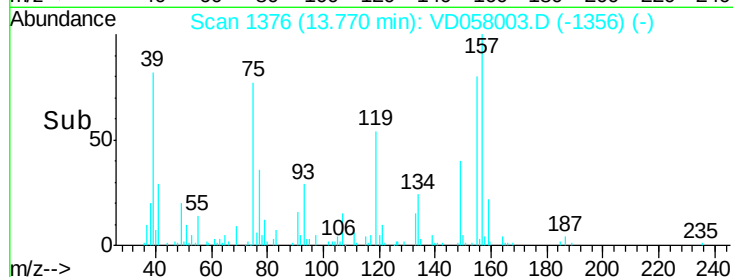
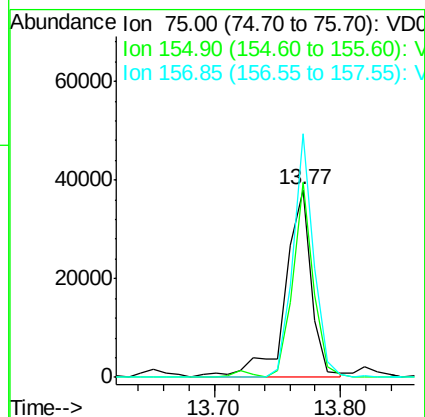
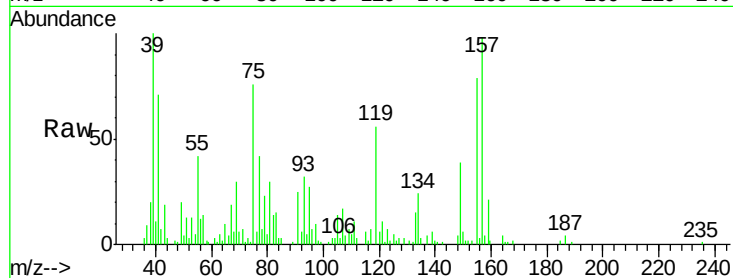




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.750 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

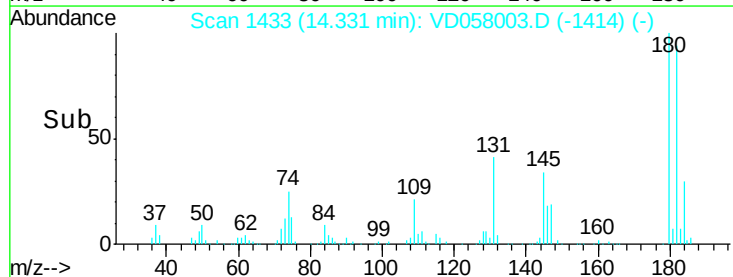
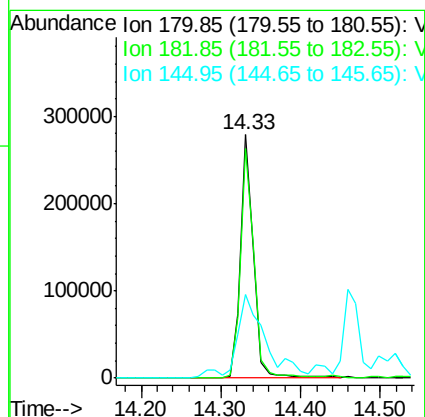
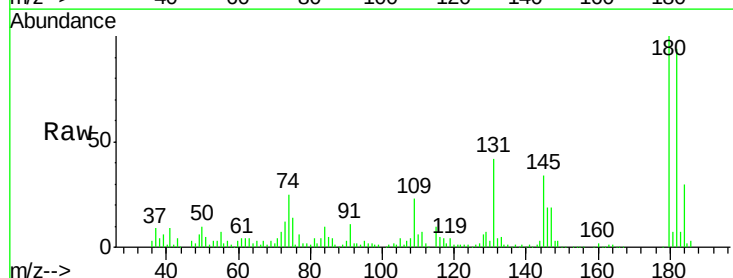
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

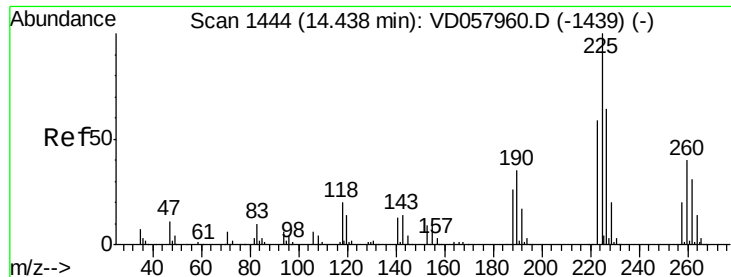
Tgt Ion: 75 Resp: 54805
 Ion Ratio Lower Upper
 75 100
 155 103.9 33.4 100.1#
 157 130.0 42.9 128.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 35.572 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

Tgt Ion: 180 Resp: 323291
 Ion Ratio Lower Upper
 180 100
 182 94.2 49.0 147.2
 145 34.2 11.8 35.3





#94

Hexachlorobutadiene

Concen: 26.541 ug/l

RT: 14.43 min Scan# 1443

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

Instrument :

MSVOA_D

ClientSampleId :

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

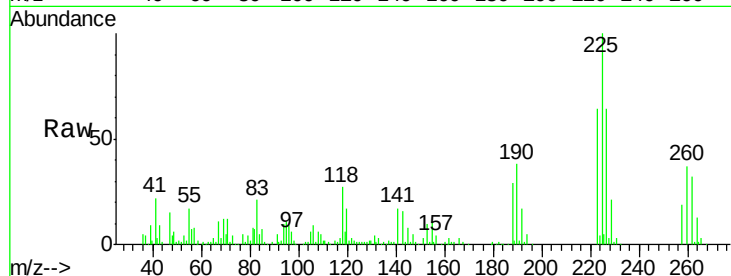
Tgt Ion:225 Resp: 189734

Ion Ratio Lower Upper

225 100

223 63.7 29.5 88.6

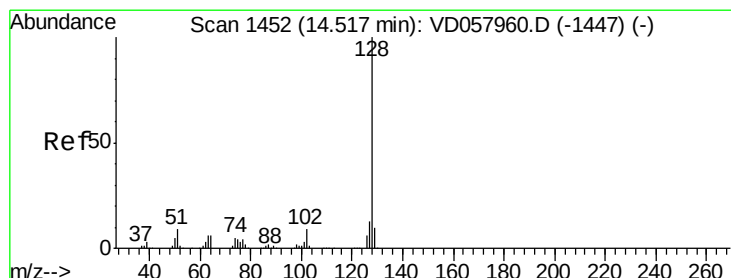
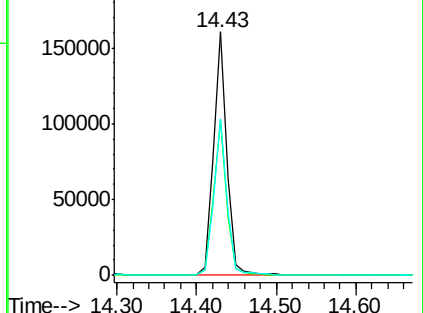
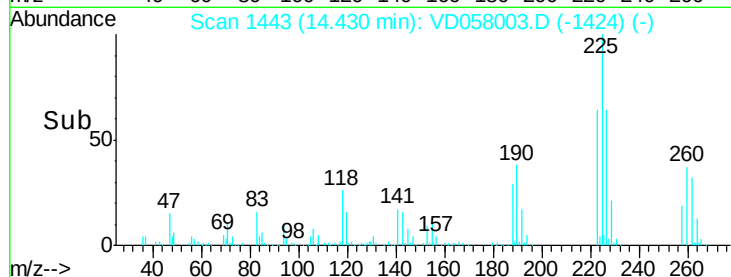
227 64.2 32.0 96.0



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: 44.692 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

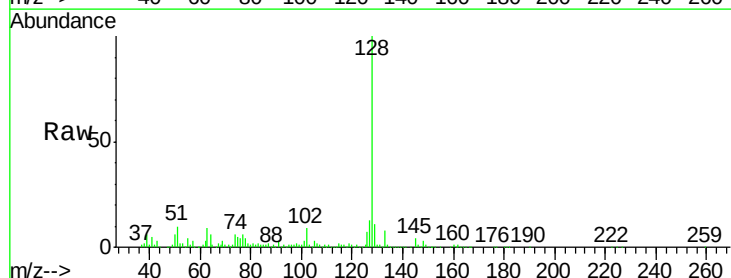
Tgt Ion:128 Resp: 523696

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

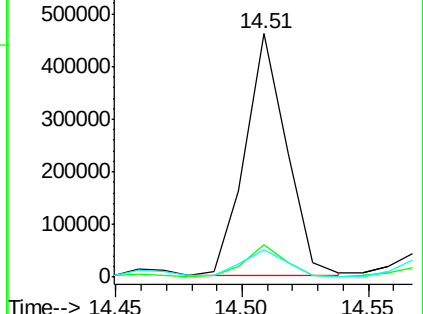
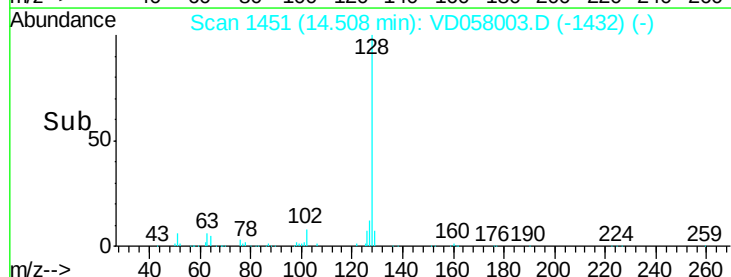
129 11.4 8.2 12.2

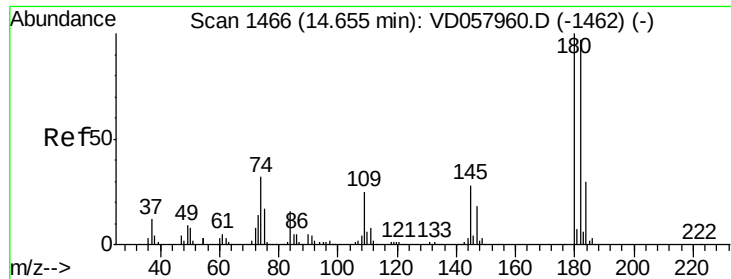


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 36.945 ug/l
 RT: 14.66 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

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

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.5	145.5
145	50.0	14.2	42.8

