

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	427101	58.86	ug/l	0.00
Spiked Amount			Recovery	=	117.72%	
35) Dibromofluoromethane	5.55	113	453116	56.80	ug/l	0.00
Spiked Amount			Recovery	=	113.60%	
50) Toluene-d8	8.70	98	1023188	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
62) 4-Bromofluorobenzene	11.92	95	423468	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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) Allvl 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) Stvrene	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

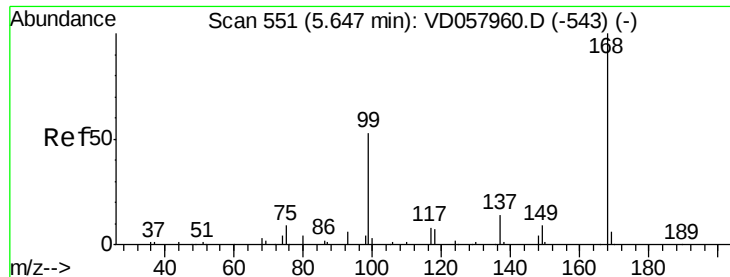
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.43	225	189734	26.541	ug/l	97
95) Naphthalene	14.51	128	523696	44.692	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	286147	36.945	ug/l #	88

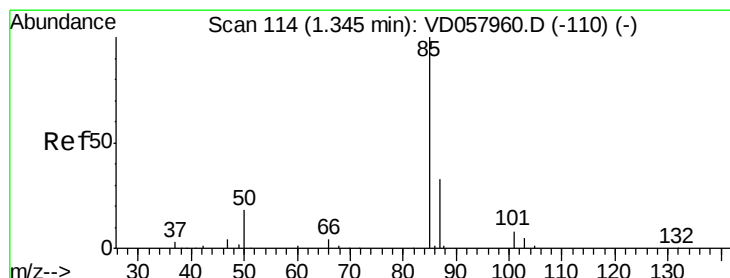
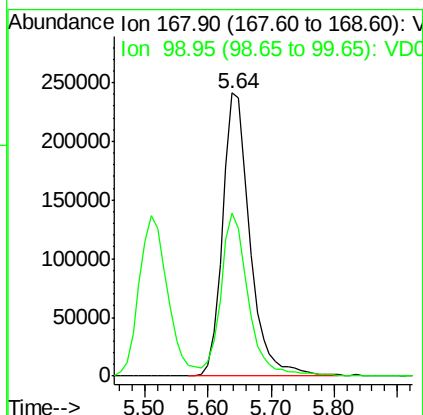
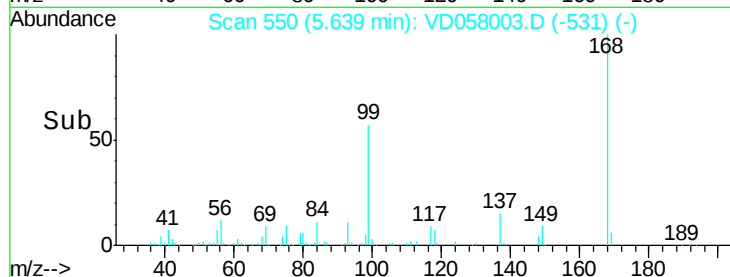
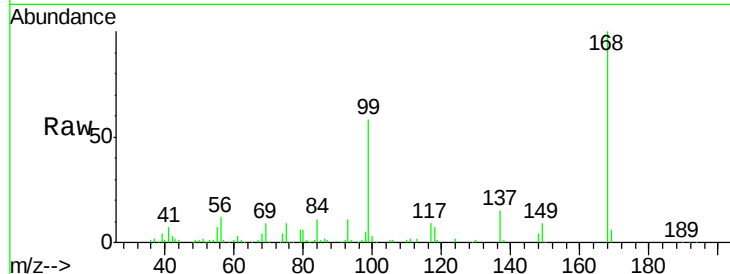
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

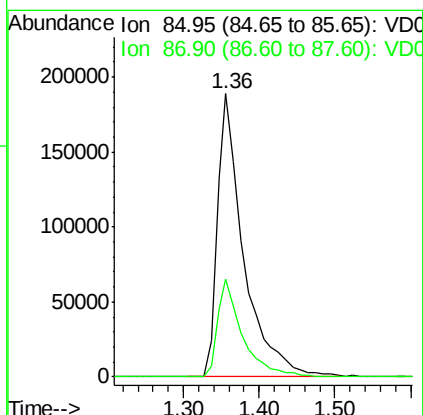
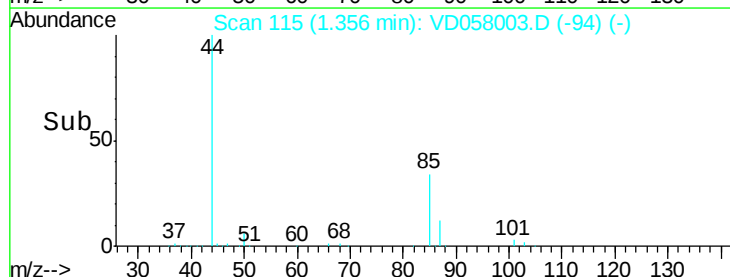
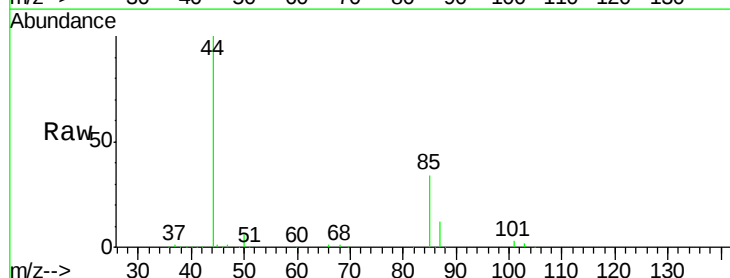
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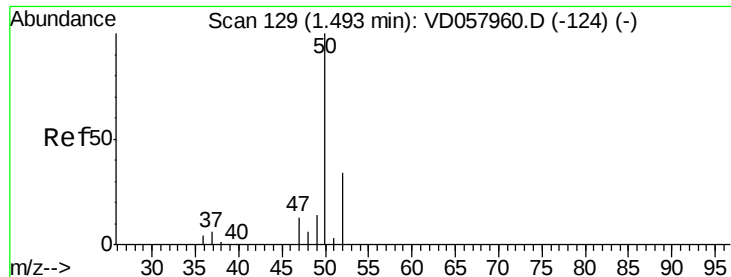
Tot Ion:168 Resp: 725856
Ion Ratio Lower Upper
168 100
99 57.6 46.8 70.2



#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





#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 :

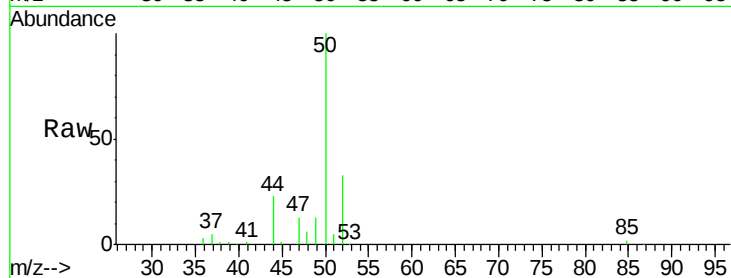
CAS1-SB-02-03-1-27MS

Tot Ion: 50 Resp: 240667

Ion Ratio Lower Upper

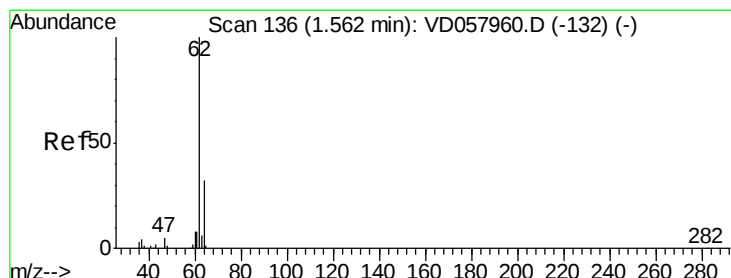
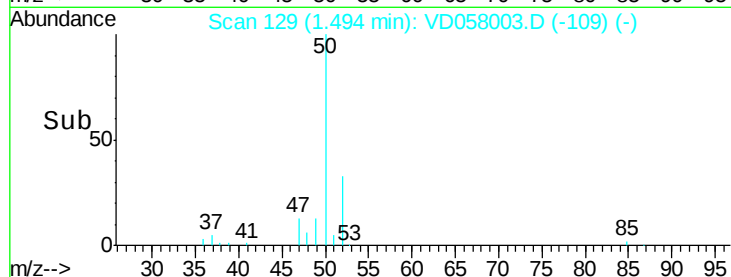
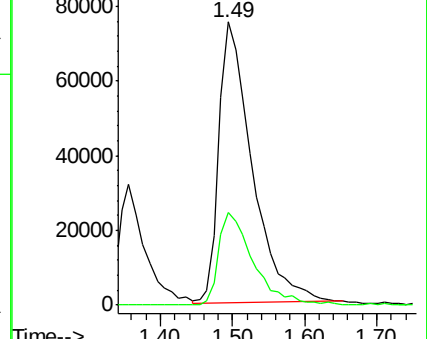
50 100

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

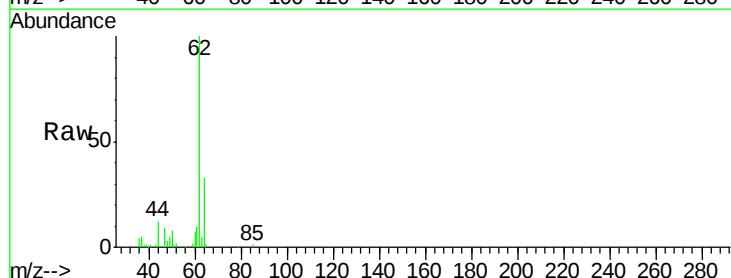
Acq: 8 Jun 2018 7:49

Tgt Ion: 62 Resp: 228275

Ion Ratio Lower Upper

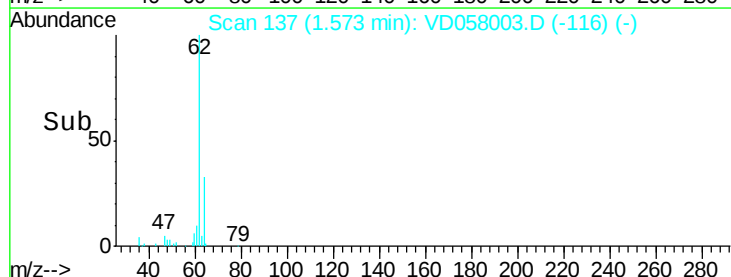
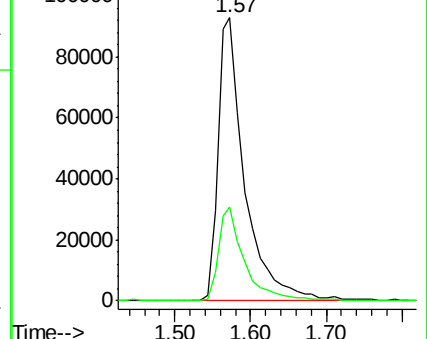
62 100

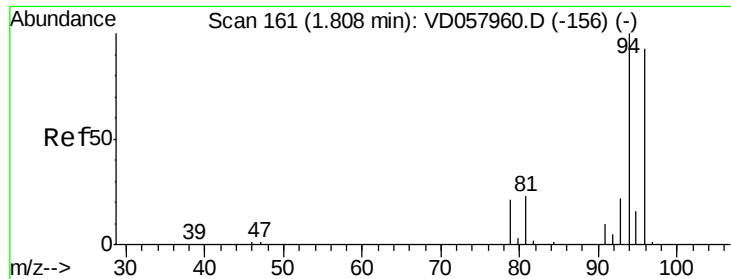
64 33.2 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

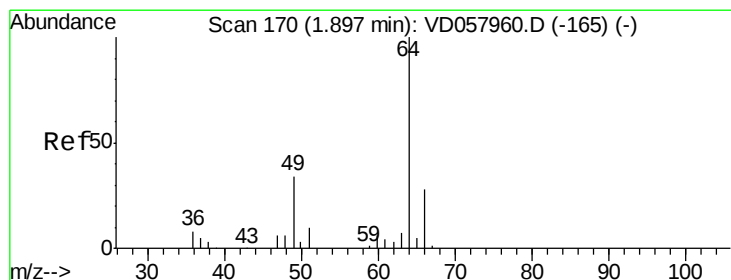
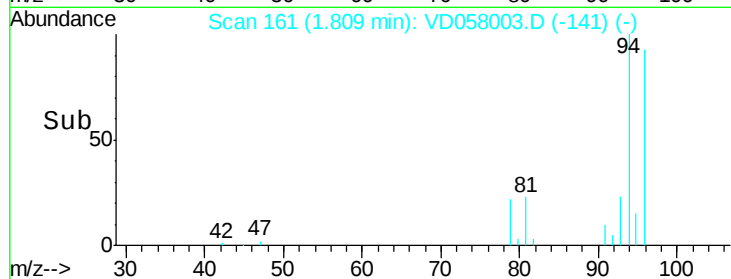
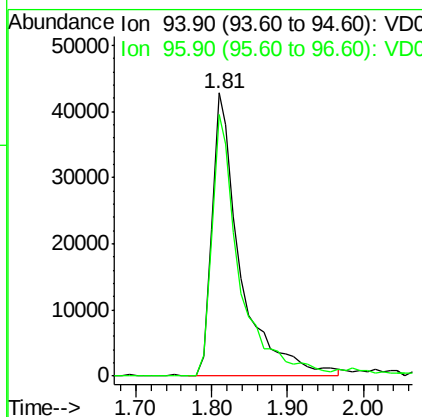
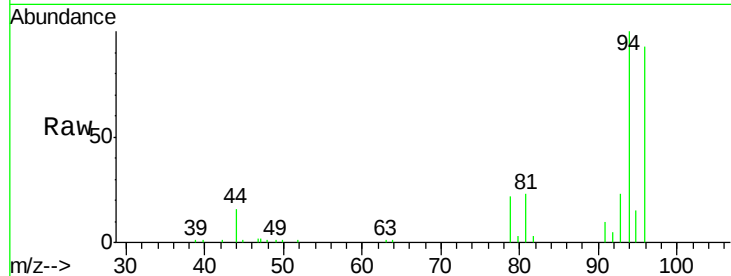




#5
Bromomethane
Concen: 61.645 ug/l
RT: 1.81 min Scan# 161
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

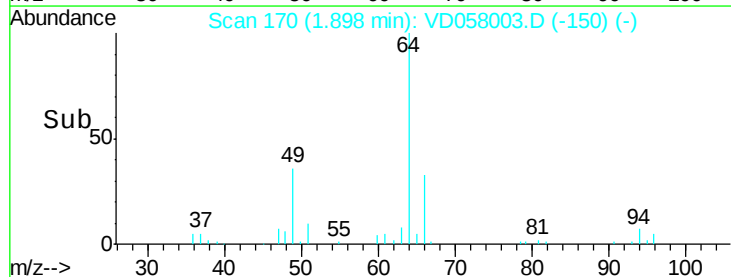
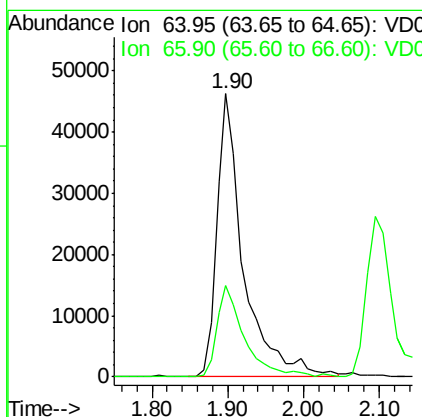
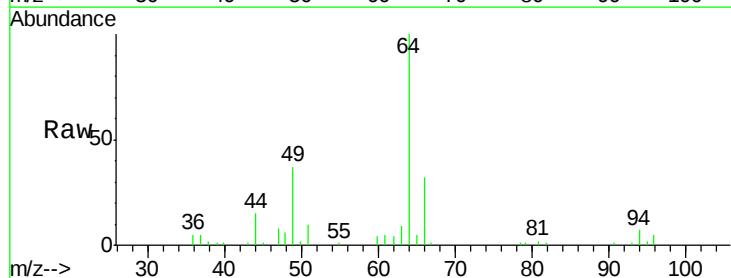
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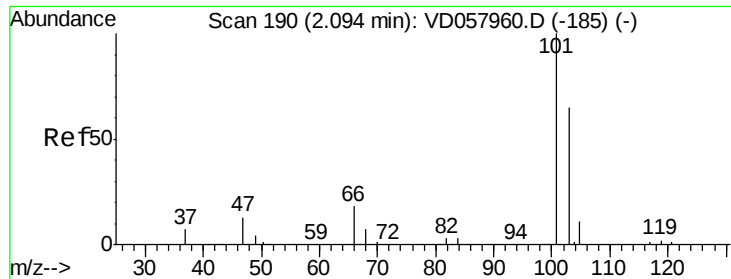
Tot Ion: 94 Resp: 112206
Ion Ratio Lower Upper
94 100
96 92.6 74.3 111.5



#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



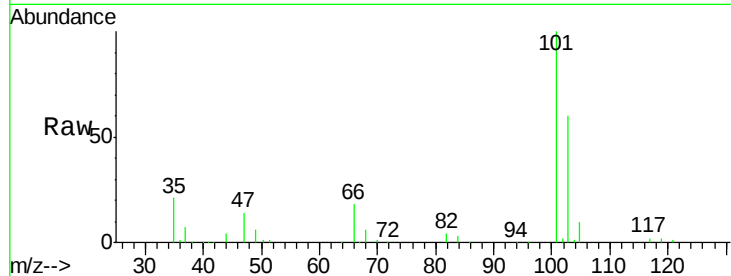


#7

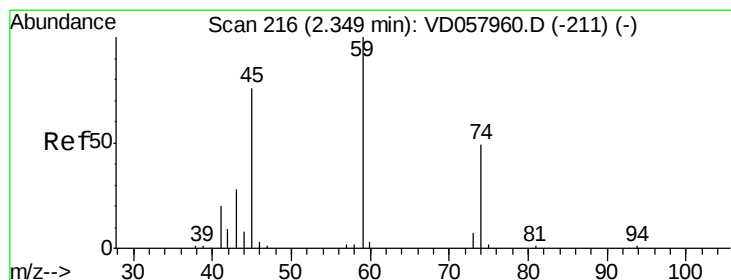
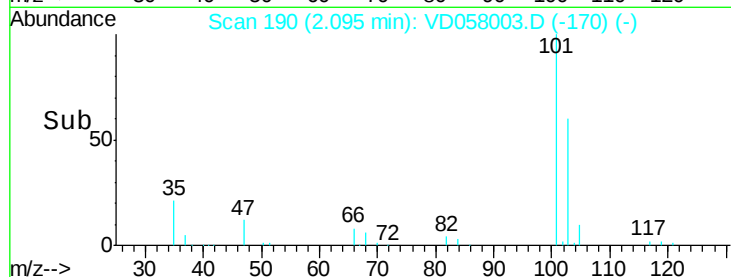
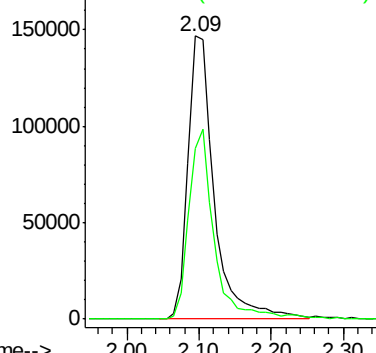
Trichlorofluoromethane
 Concen: 58.196 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

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

Tot Ion:101 Resp: 369455
 Ion Ratio Lower Upper
 101 100
 103 60.4 52.4 78.6



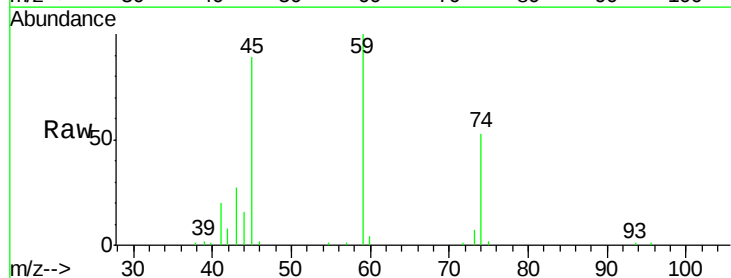
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



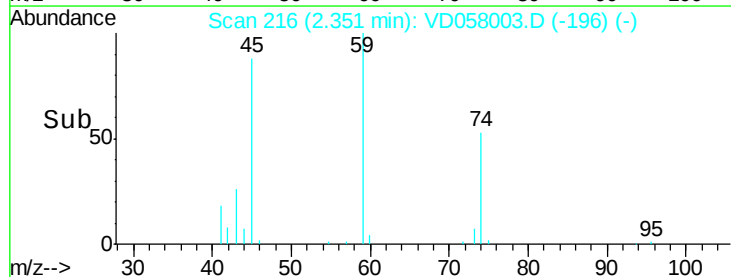
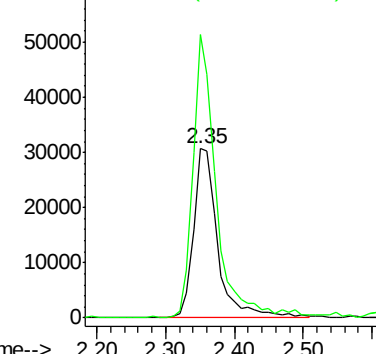
#8

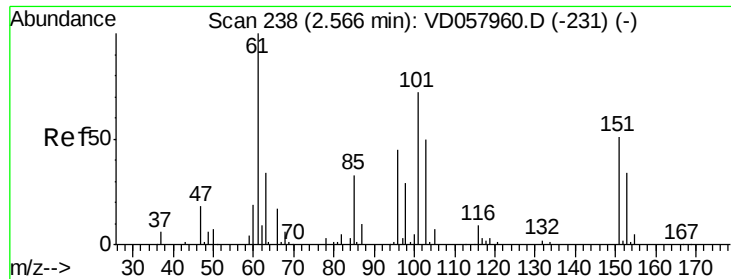
Diethyl Ether
 Concen: 63.395 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

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

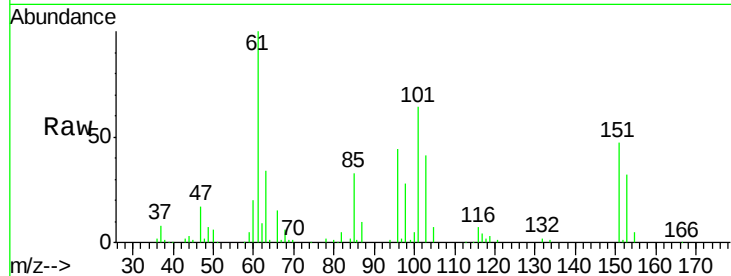
Tot Ion:101 Resp: 214008

Ion Ratio Lower Upper

101 100

85 52.5 37.3 55.9

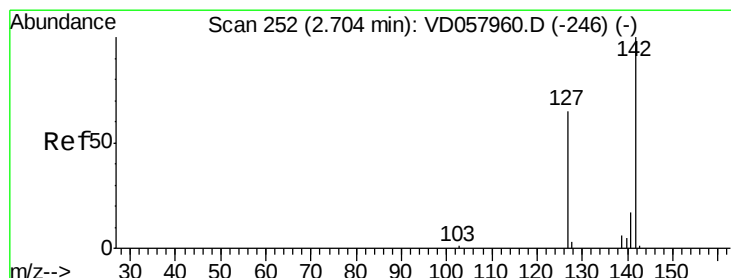
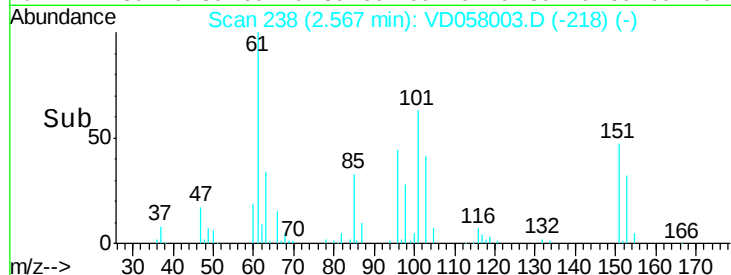
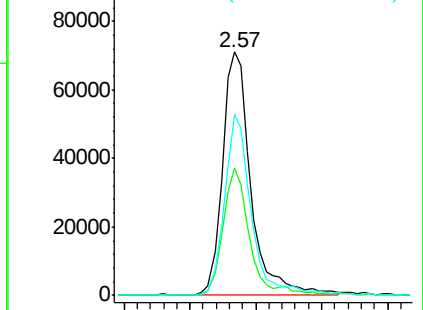
151 74.1 57.0 85.6



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

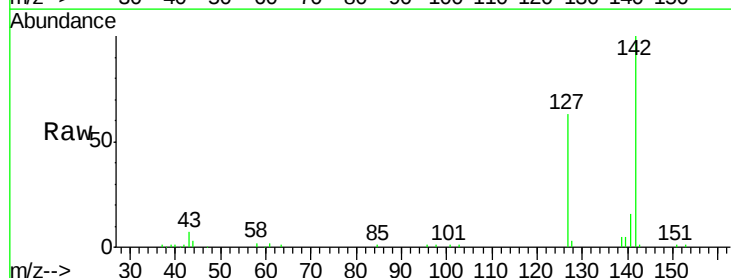
Tgt Ion:142 Resp: 274993

Ion Ratio Lower Upper

142 100

127 63.3 52.0 78.0

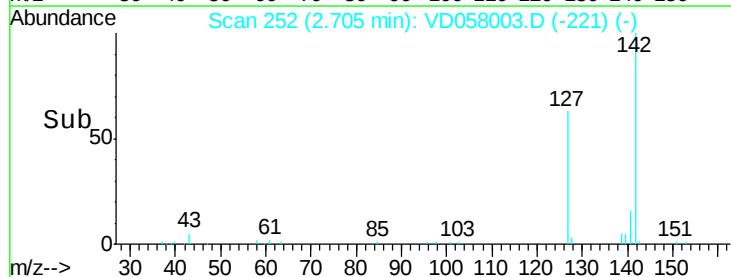
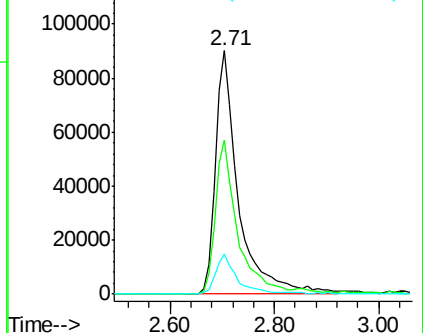
141 16.4 13.2 19.8

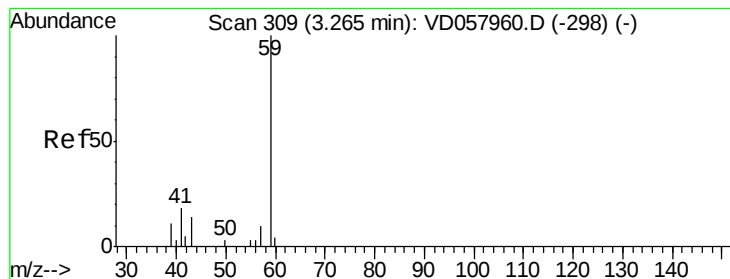


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



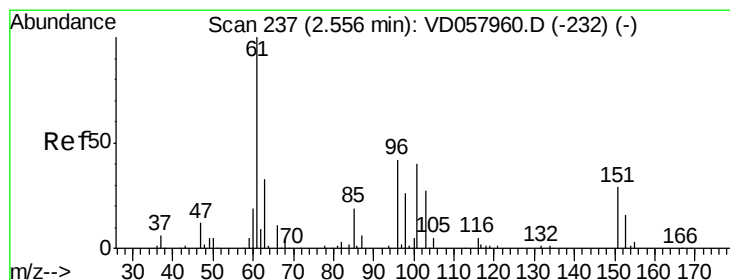
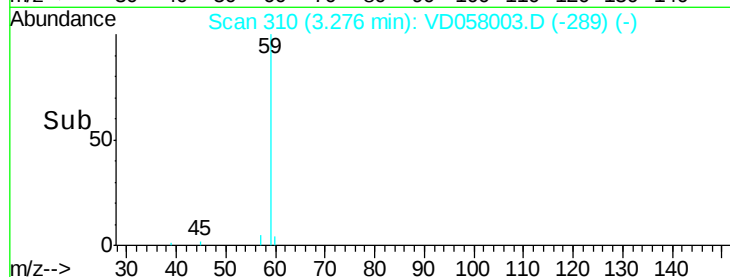
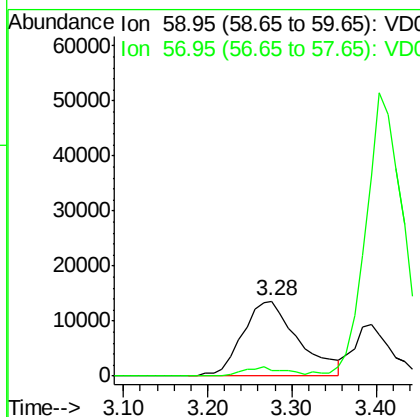
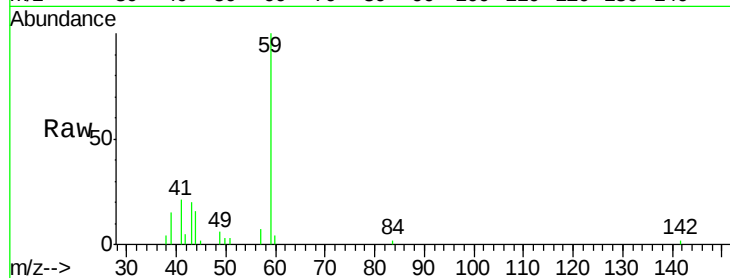


#11

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

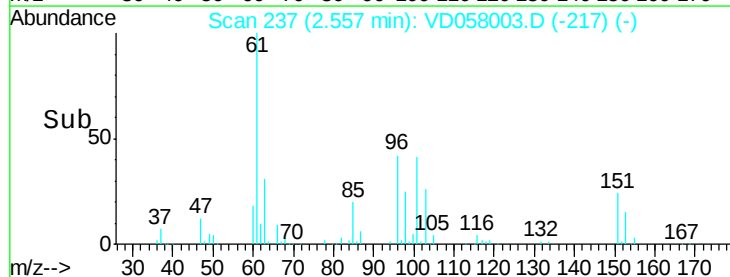
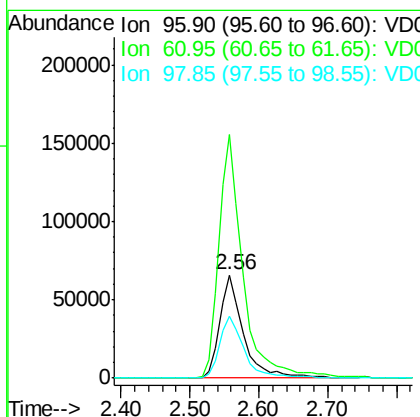
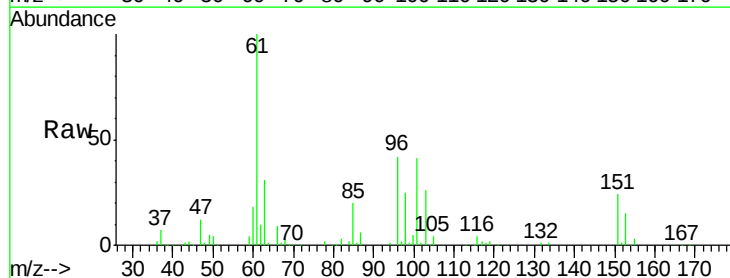
Tot Ion: 59 Resp: 62933
 Ion Ratio Lower Upper
 59 100
 57 7.4 7.8 11.6#

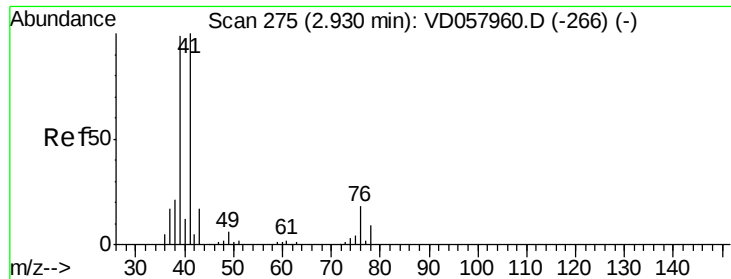


#12

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

Allvl 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

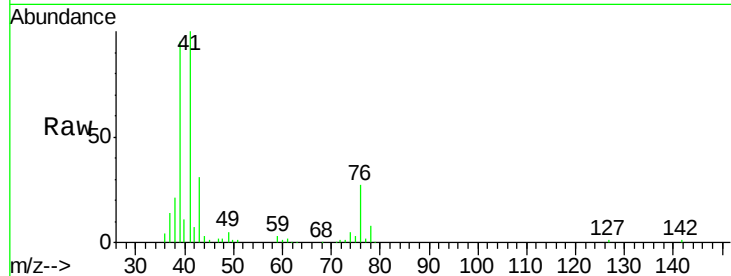
Tot Ion: 41 Resp: 348915

Ion Ratio Lower Upper

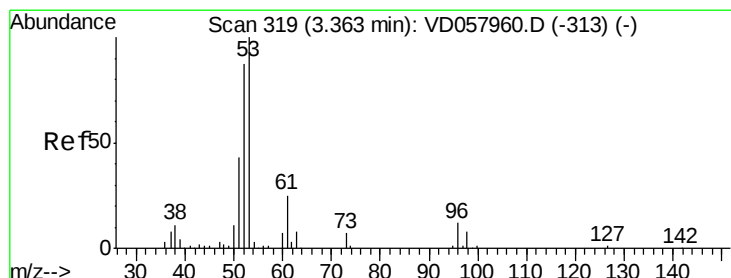
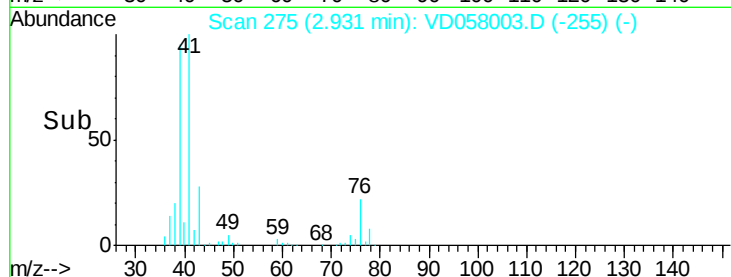
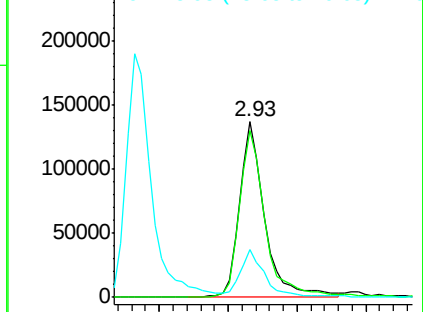
41 100

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

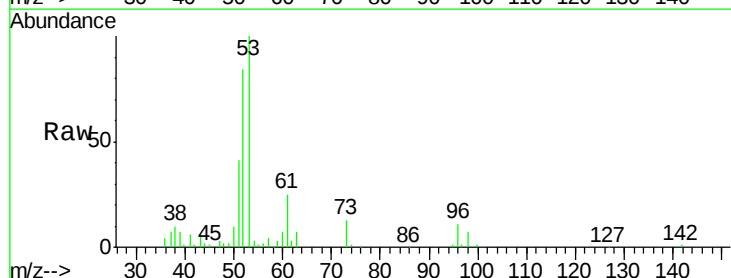
Tgt Ion: 53 Resp: 338544

Ion Ratio Lower Upper

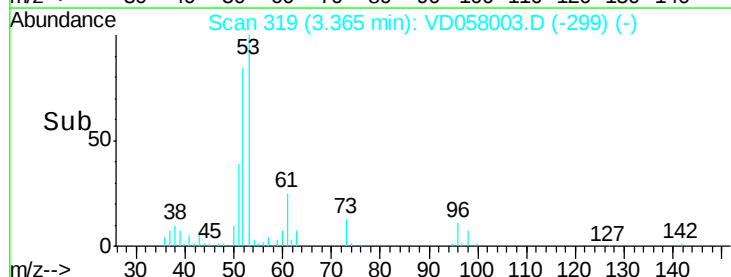
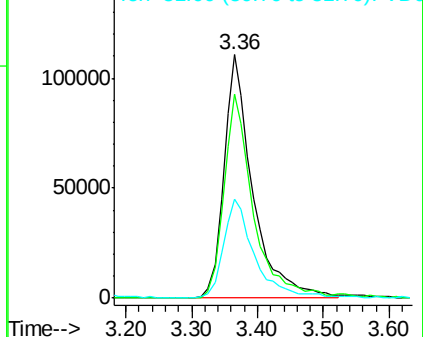
53 100

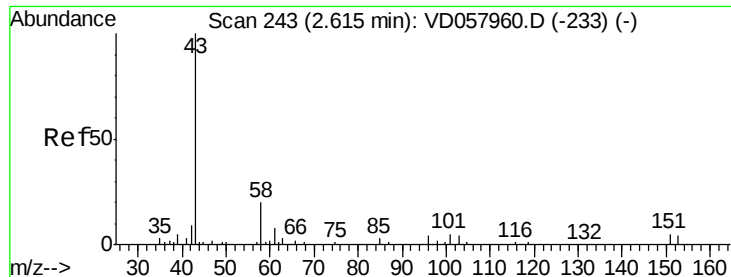
52 83.7 69.9 104.9

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 :

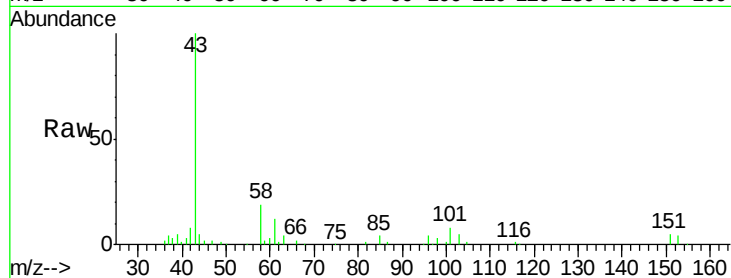
CAS1-SB-02-03-1-27MS

Tot Ion: 43 Resp: 312478

Ion Ratio Lower Upper

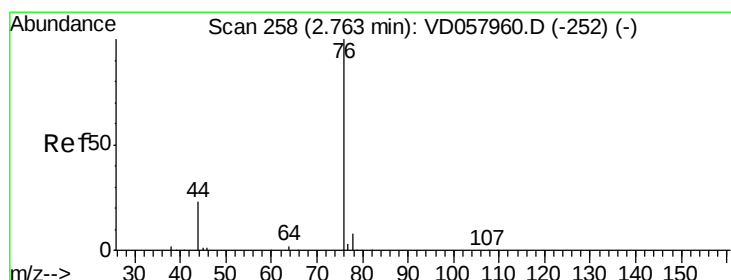
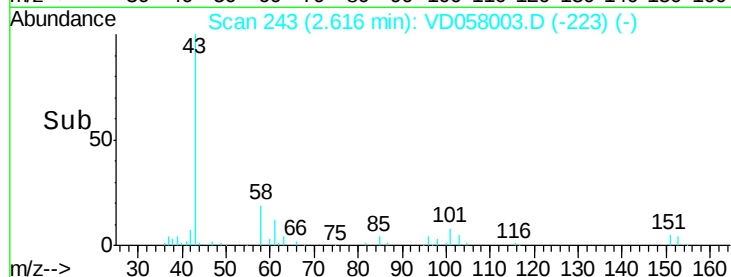
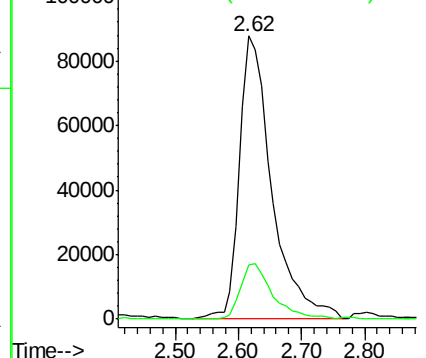
43 100

58 19.1 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 45.487 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD058003.D

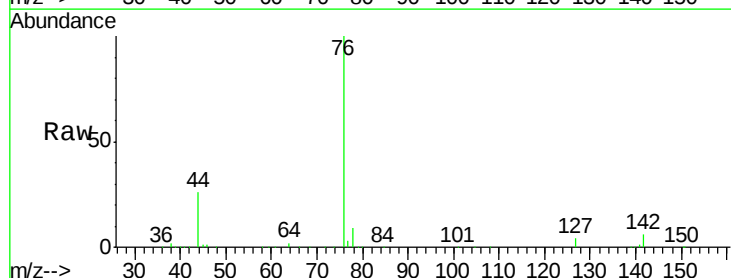
Acq: 8 Jun 2018 7:49

Tgt Ion: 76 Resp: 479706

Ion Ratio Lower Upper

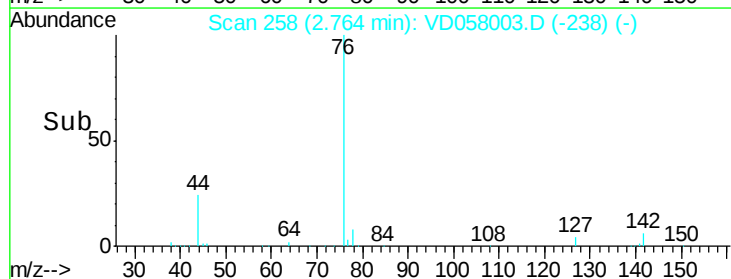
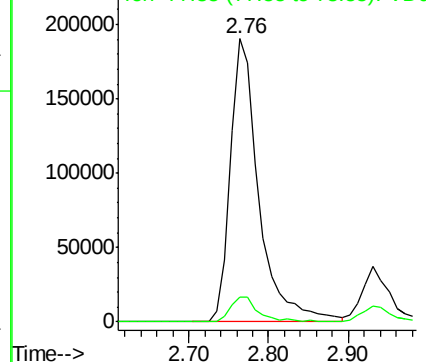
76 100

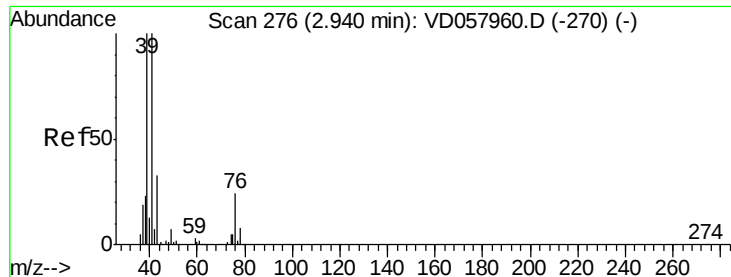
78 8.9 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

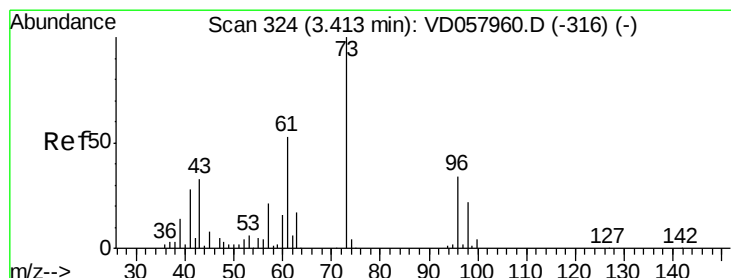
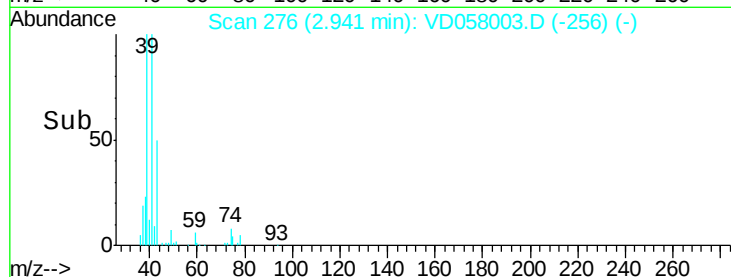
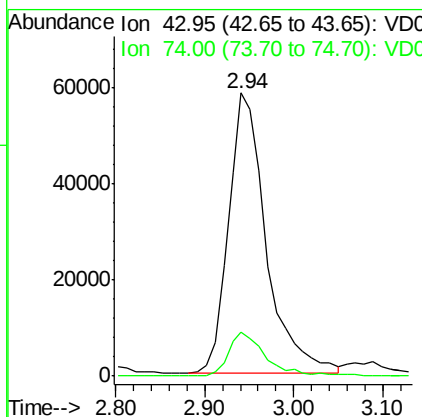
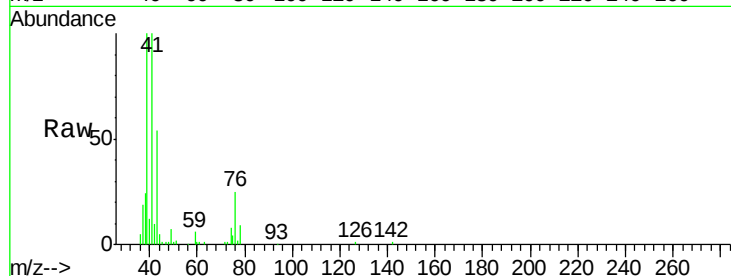




#18
Methvl Acetate
Concen: 84.851 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

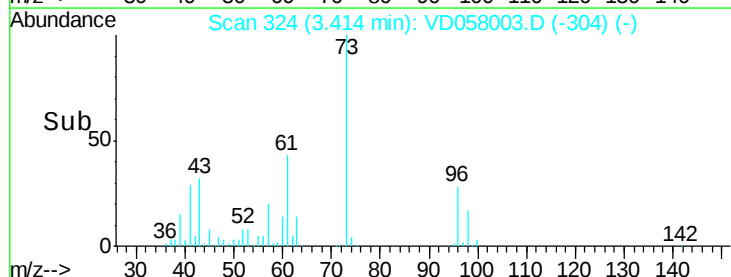
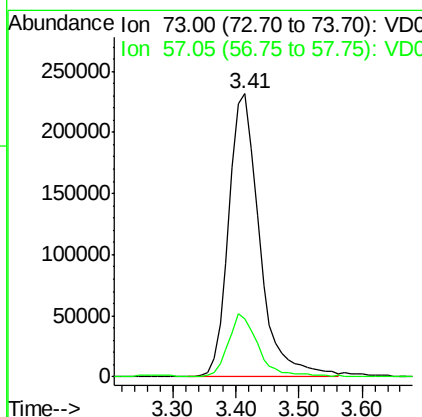
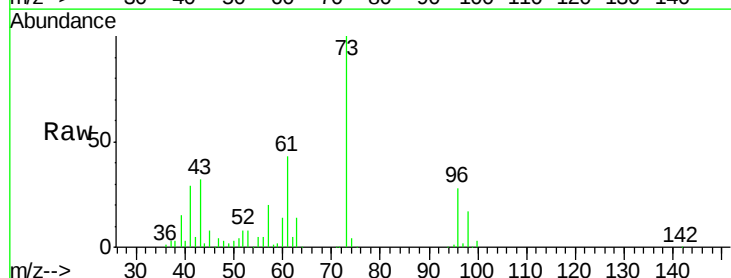
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

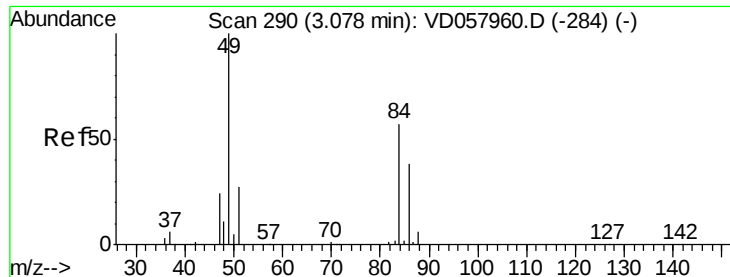
Tot Ion: 43 Resp: 171612
Ion Ratio Lower Upper
43 100
74 15.4 11.2 16.8



#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

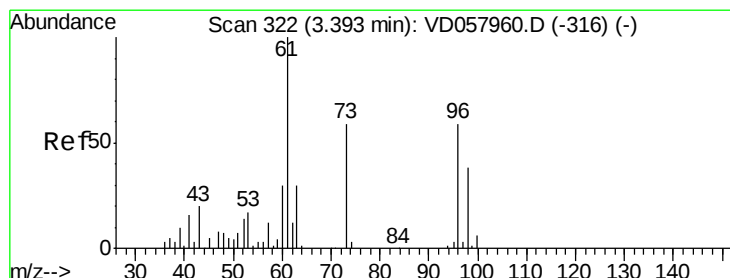
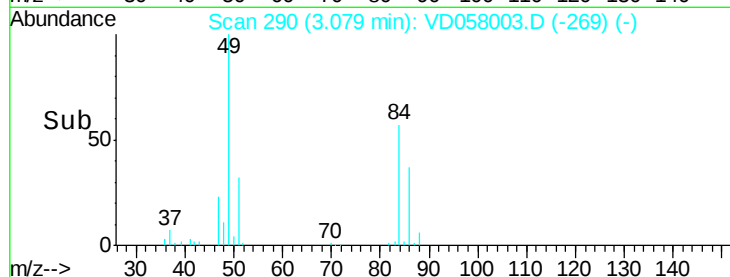
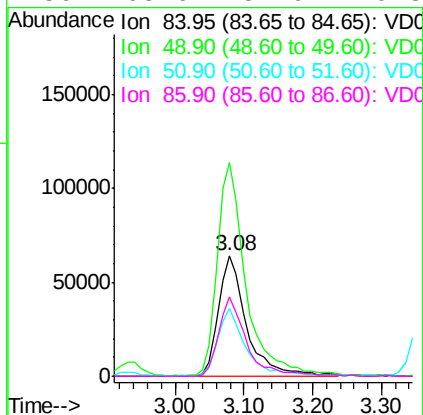
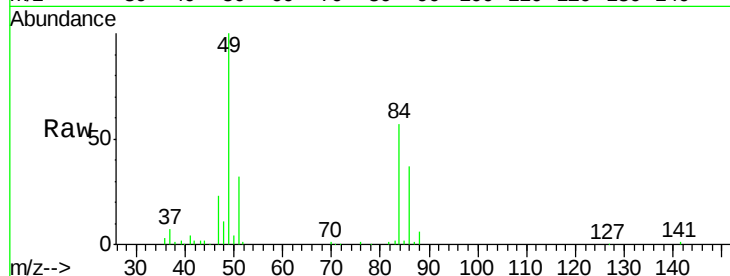




#20
Methvlene Chloride
Concen: 62.697 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

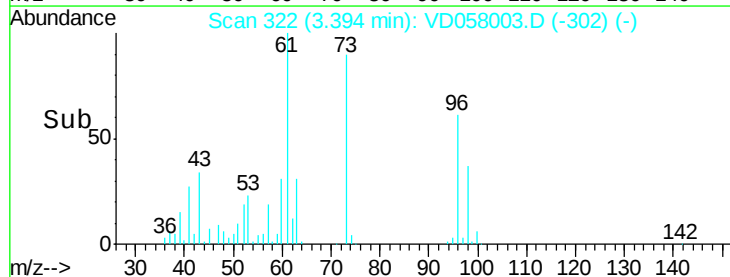
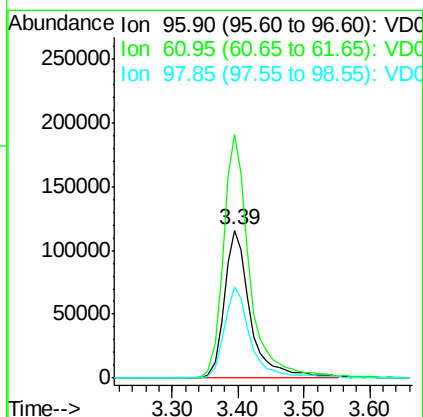
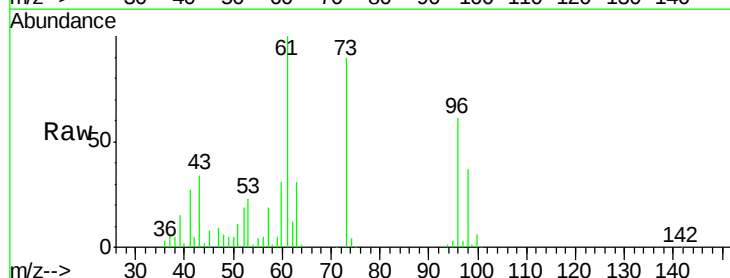
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

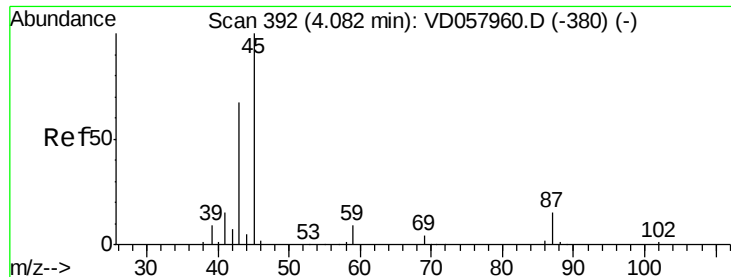
Tot Ion: 84 Resp: 180886
Ion Ratio Lower Upper
84 100
49 176.6 141.4 212.0
51 55.6 38.3 57.5
86 65.6 52.9 79.3



#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

Tot Ion: 45 Resp: 1632791

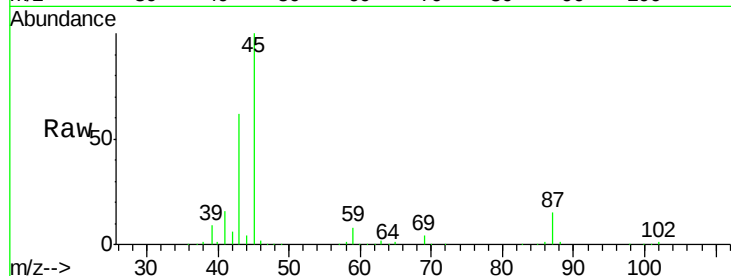
Ion	Ratio	Lower	Upper
45	100		
43	62.3	53.8	80.8
87	15.4	12.5	18.7
59	8.4	7.3	10.9

45 100

43 62.3 53.8 80.8

87 15.4 12.5 18.7

59 8.4 7.3 10.9

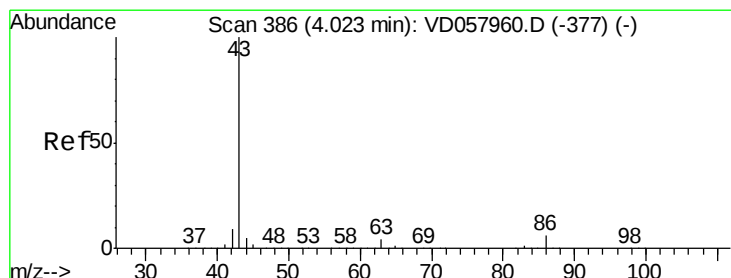
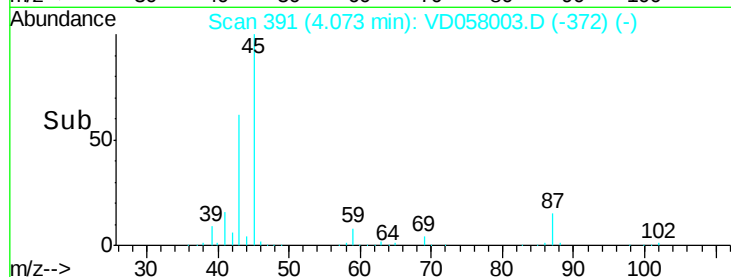
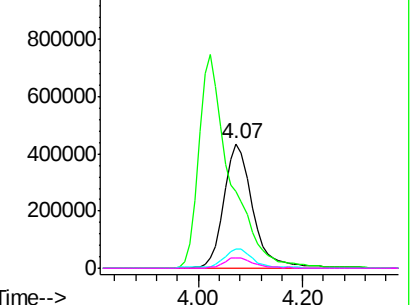


Abundance Ion 45.05 (44.75 to 45.75): VDC

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



#23

Vinyl Acetate

Concen: 222.147 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD058003.D

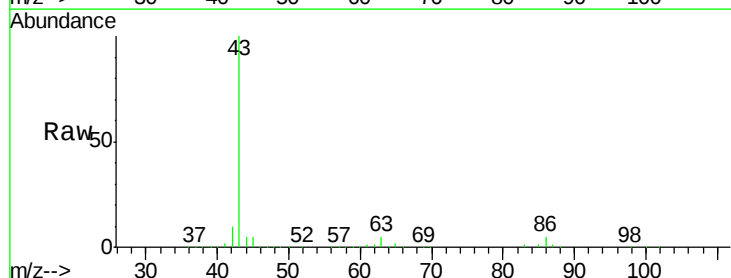
Acq: 8 Jun 2018 7:49

Tgt Ion: 43 Resp: 3053657

Ion	Ratio	Lower	Upper
43	100		
86	5.3	4.7	7.1

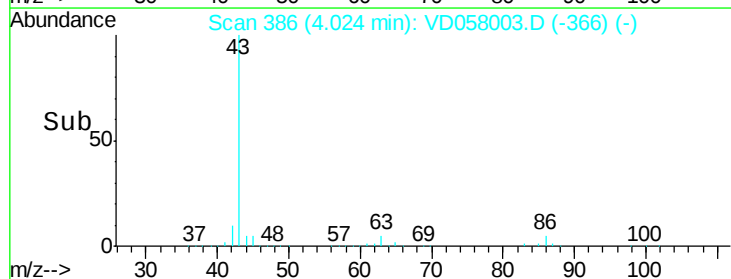
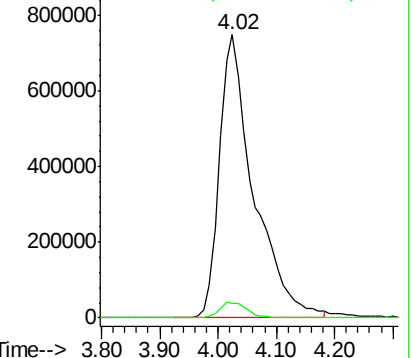
43 100

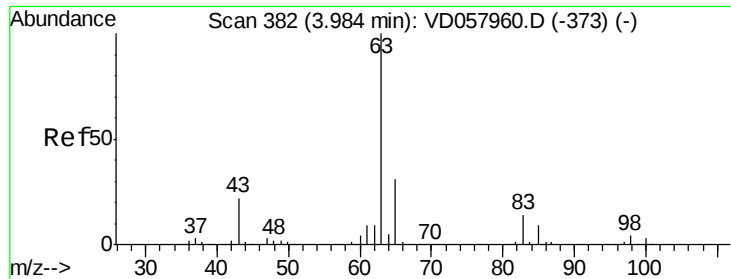
86 5.3 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

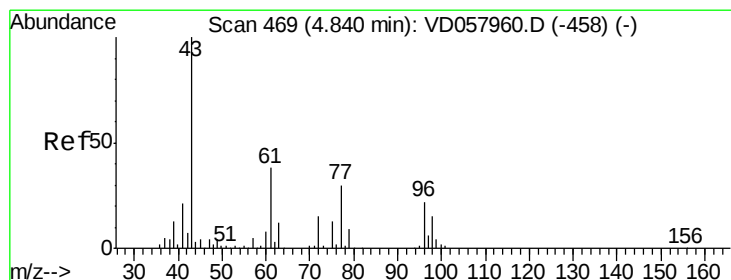
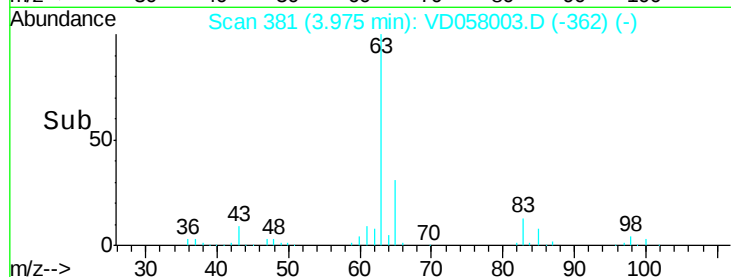
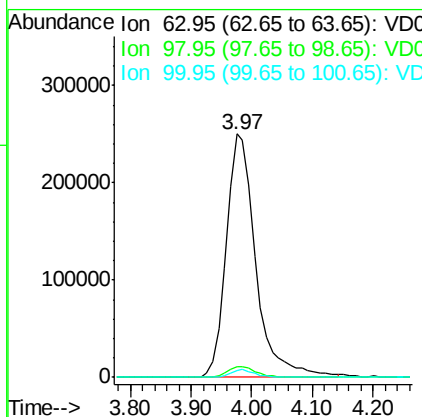
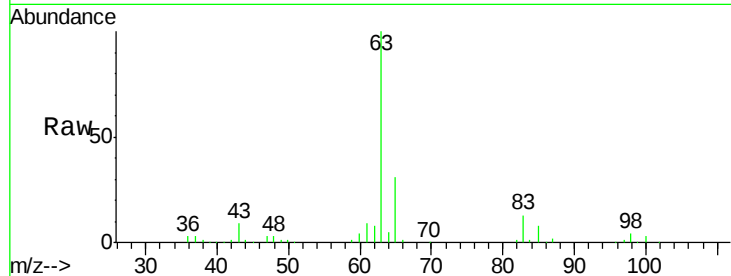




#24
 1,1-Dichloroethane
 Concen: 57.645 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

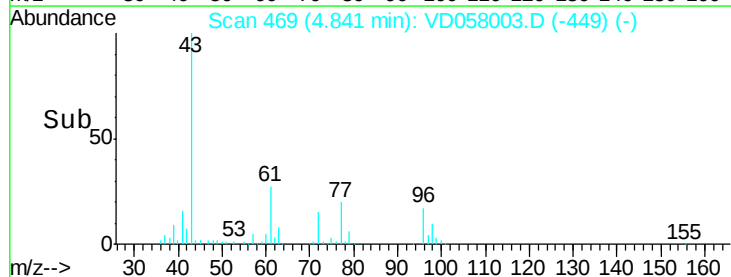
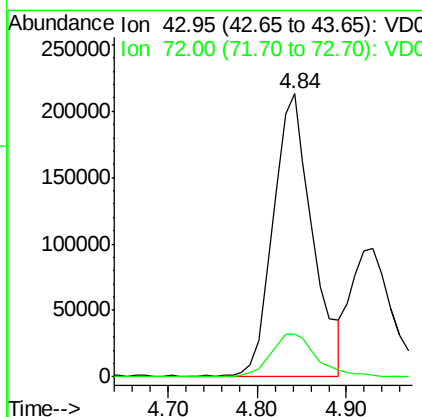
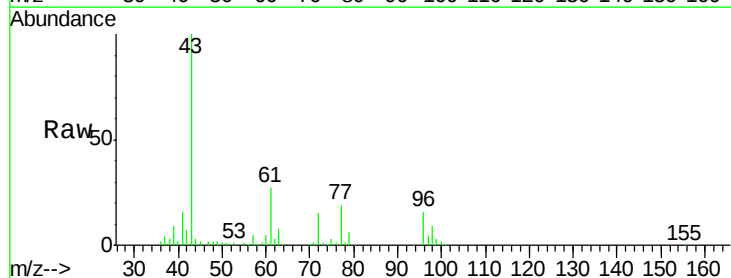
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

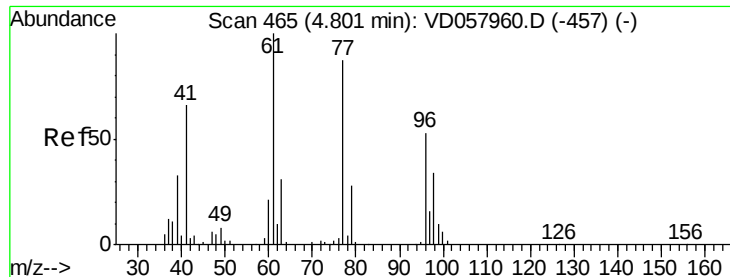
Tot Ion: 63 Resp: 842873
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.0 5.8
 100 2.6 1.4 4.2



#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

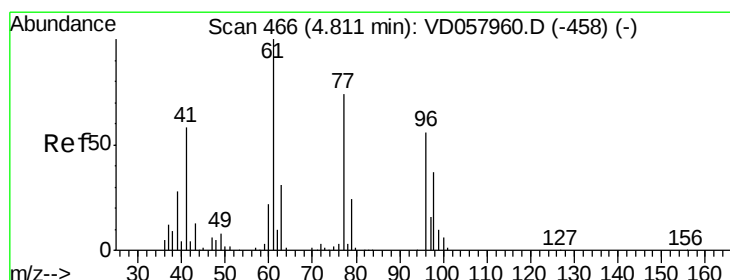
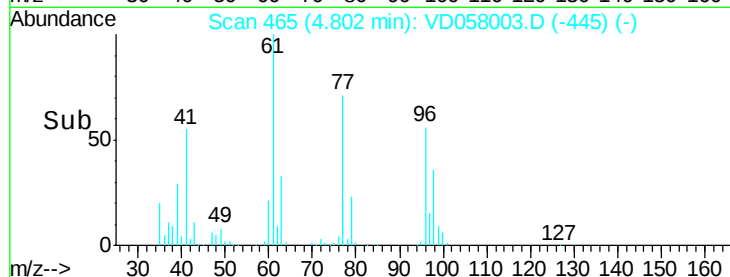
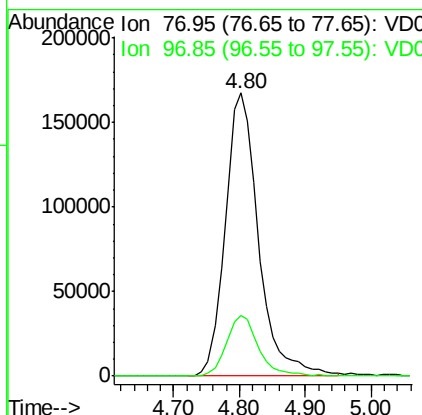
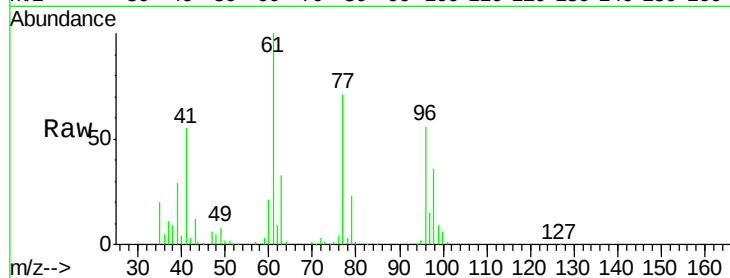




#26
2,2-Dichloropropane
Concen: 49.107 ug/l
RT: 4.80 min Scan# 465
Delta R.T. 0.00 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

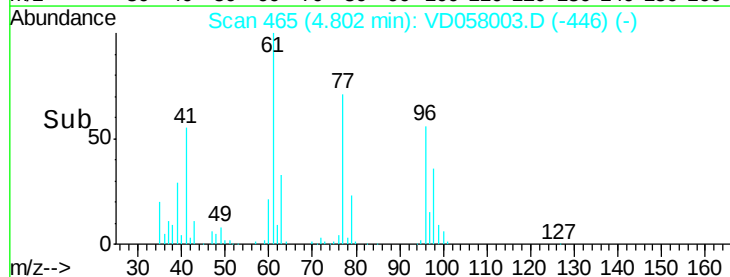
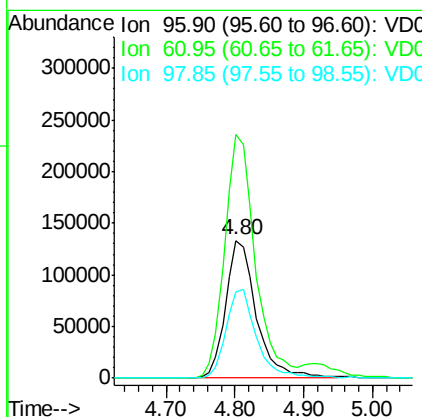
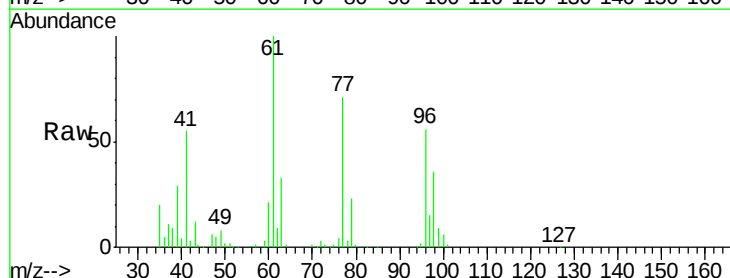
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

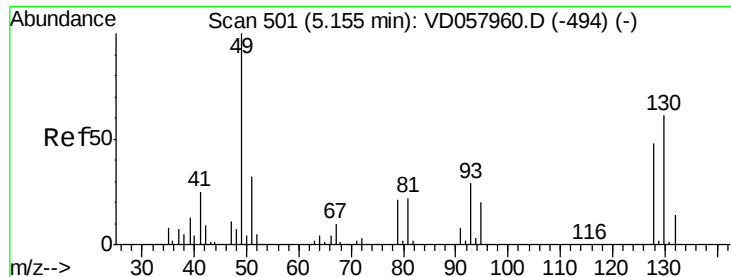
Tot Ion: 77 Resp: 591489
Ion Ratio Lower Upper
77 100
97 21.6 9.2 27.6



#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

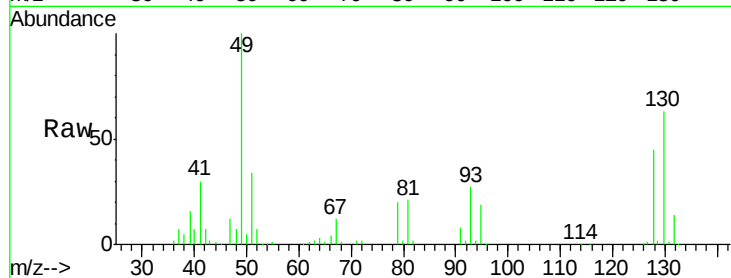
Tot Ion: 49 Resp: 380983

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

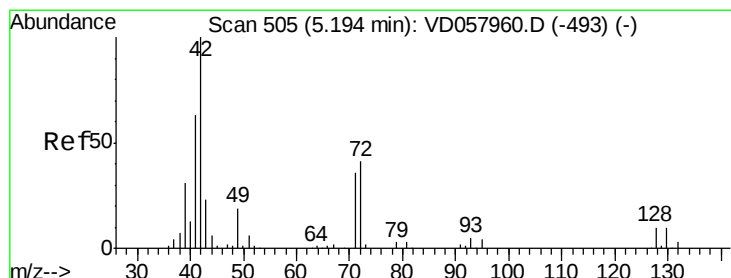
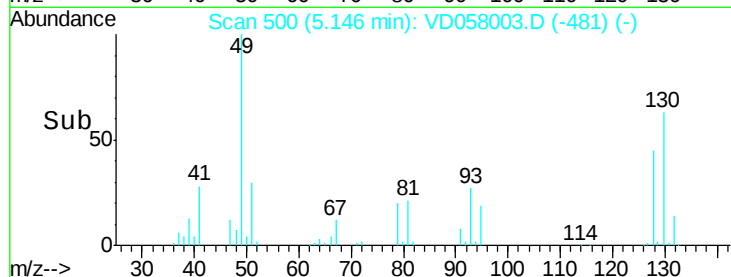
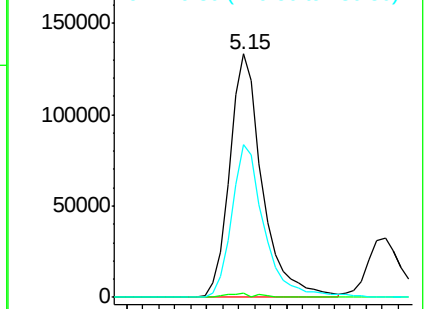
130 62.6 48.8 73.2



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 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

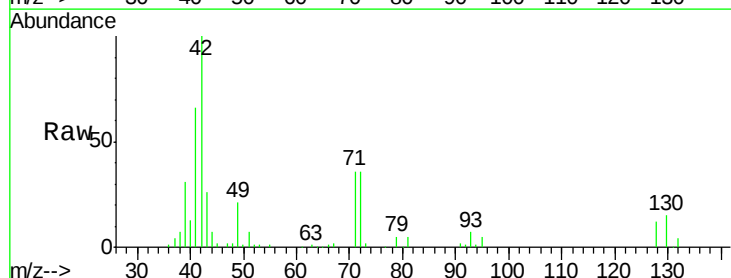
Tgt Ion: 42 Resp: 357864

Ion Ratio Lower Upper

42 100

72 35.2 28.5 42.7

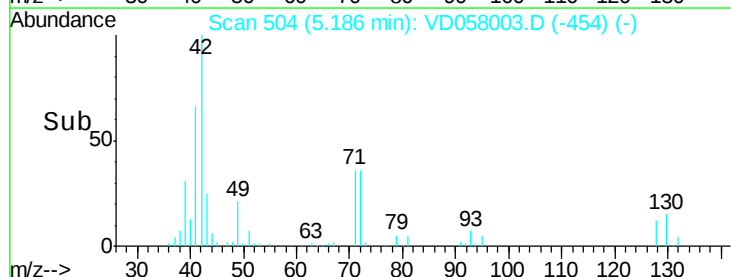
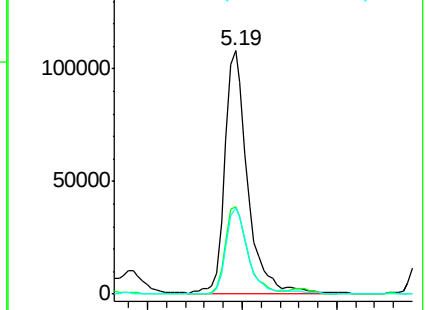
71 35.3 27.9 41.9

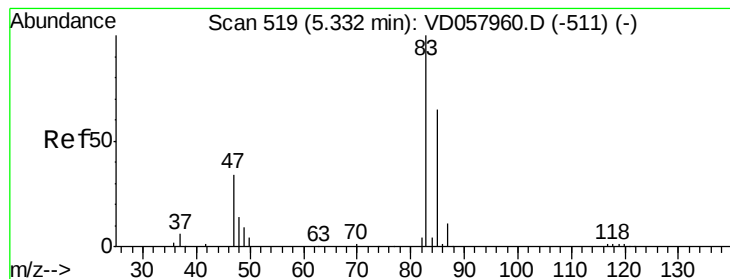


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#30

Chloroform

Concen: 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 :

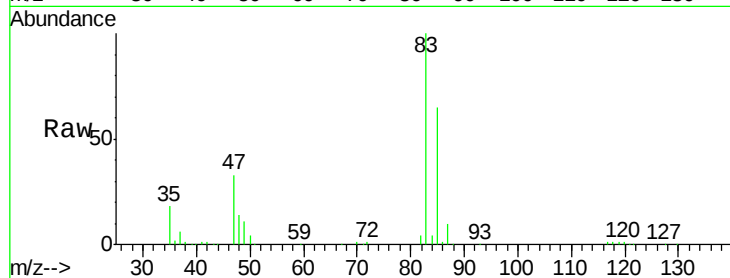
CAS1-SB-02-03-1-27MS

Tot Ion: 83 Resp: 879060

Ion Ratio Lower Upper

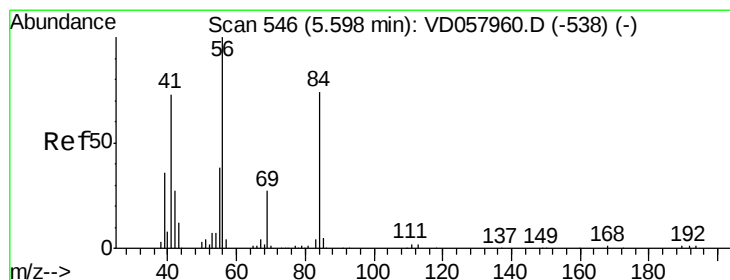
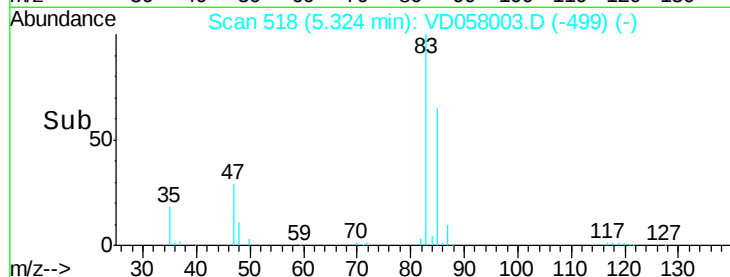
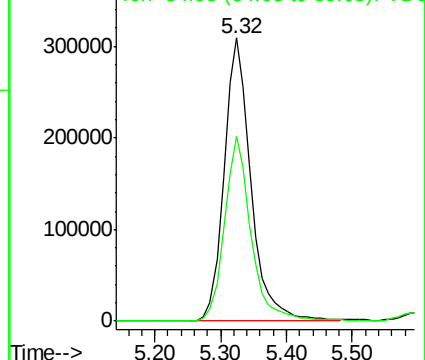
83 100

85 65.5 51.6 77.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC



#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

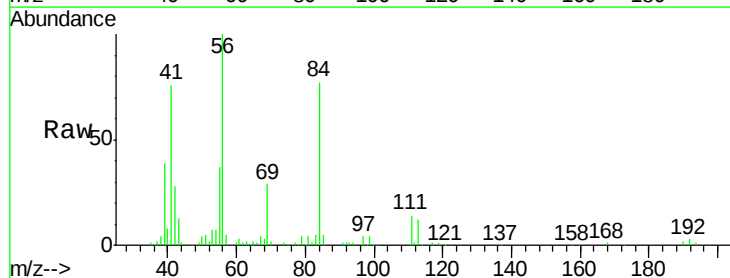
Tgt Ion: 56 Resp: 589211

Ion Ratio Lower Upper

56 100

69 29.1 21.5 32.3

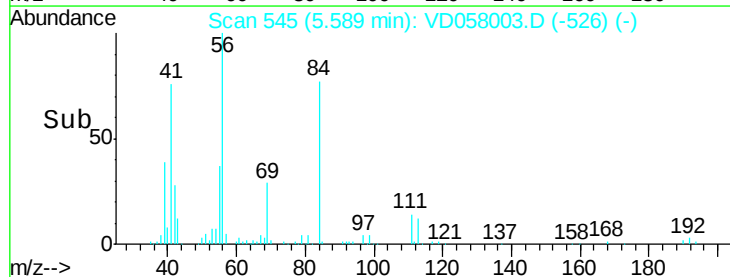
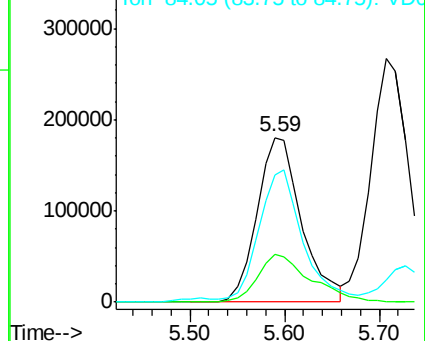
84 77.4 61.0 91.6

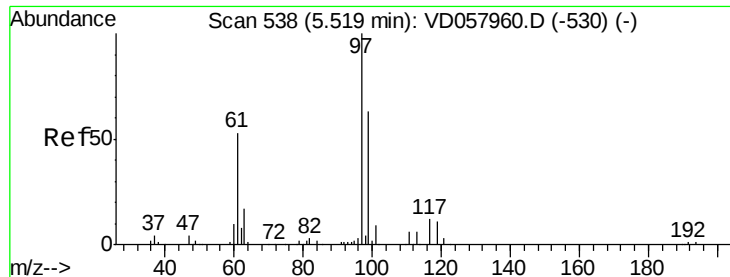


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#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

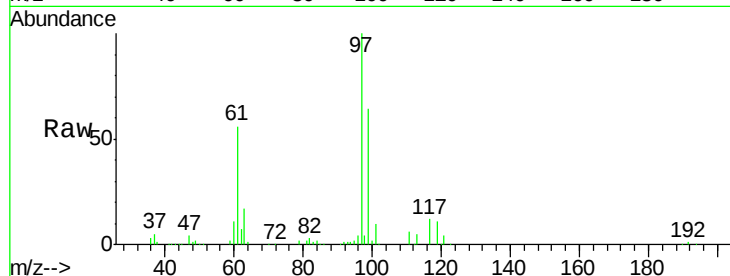
Tot Ion: 97 Resp: 686151

Ion Ratio Lower Upper

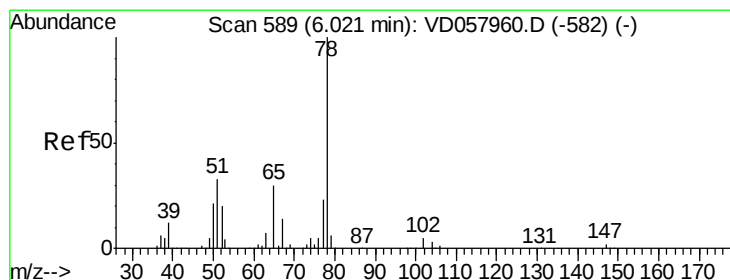
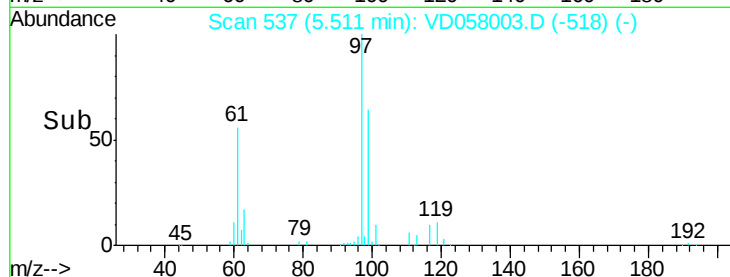
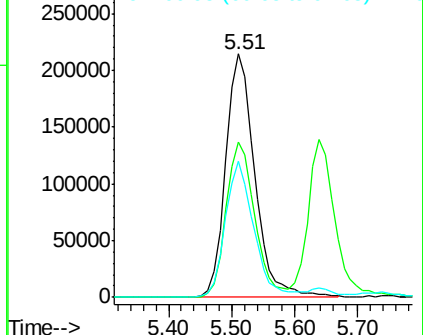
97 100

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

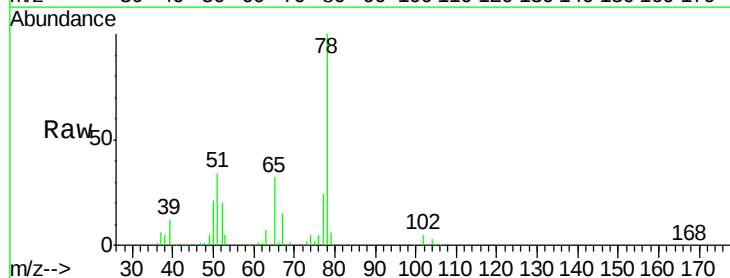
Acq: 8 Jun 2018 7:49

Tgt Ion: 65 Resp: 427101

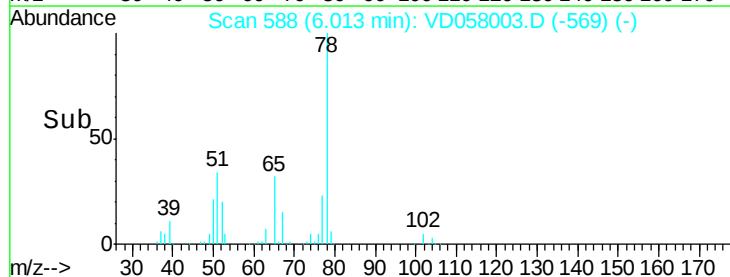
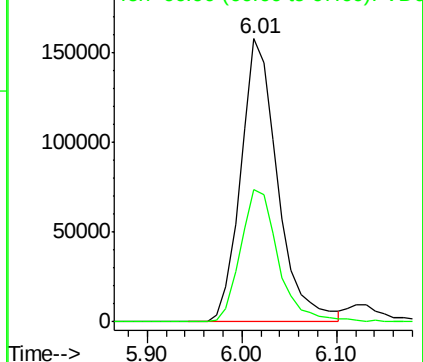
Ion Ratio Lower Upper

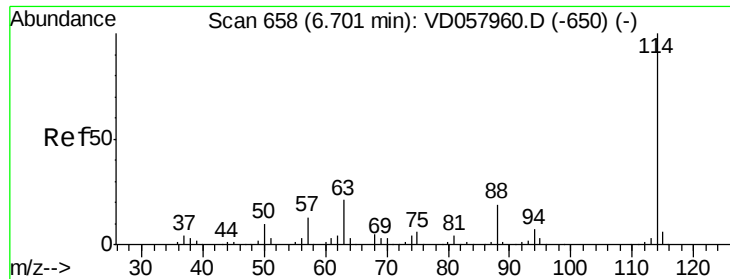
65 100

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

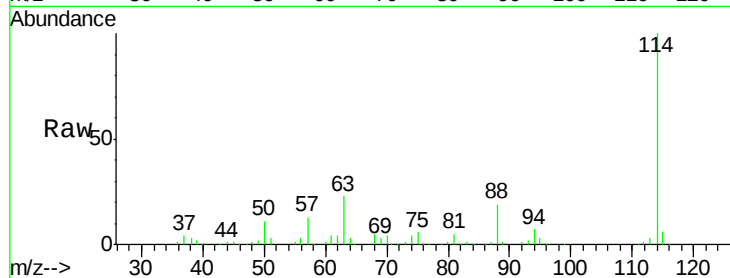




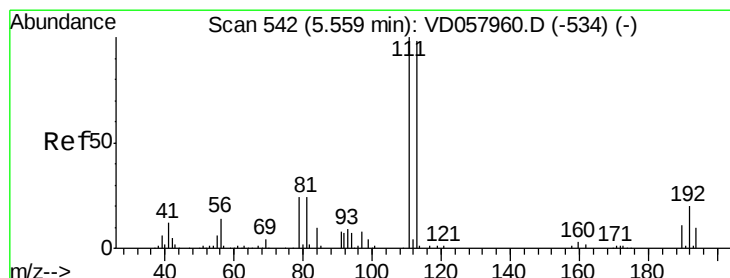
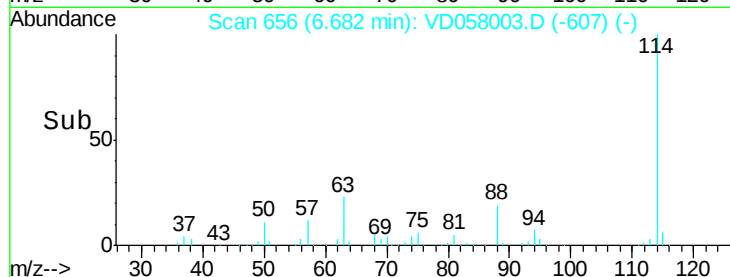
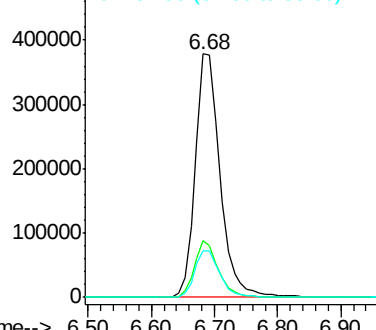
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.68 min Scan# 656
Delta R.T. -0.02 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

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

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

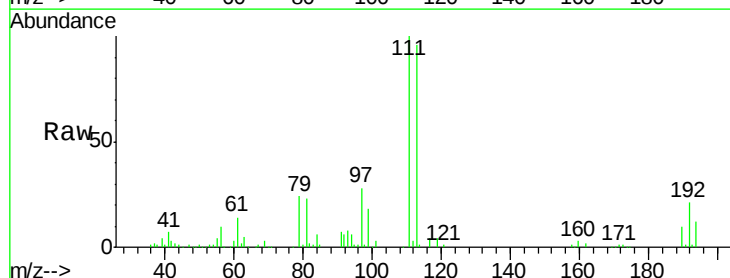


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

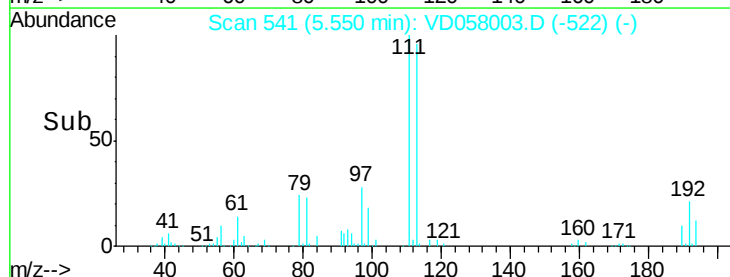
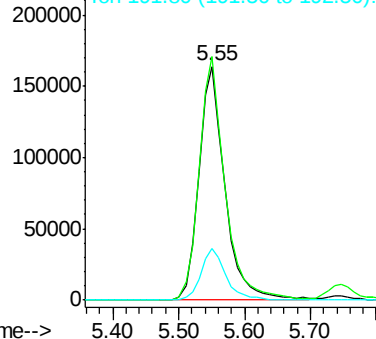


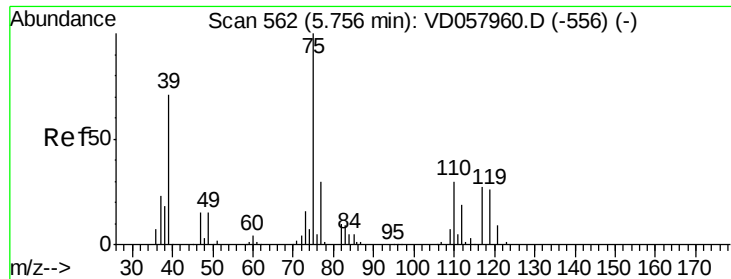
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

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

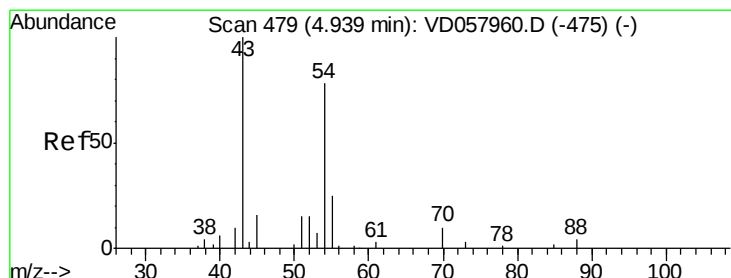
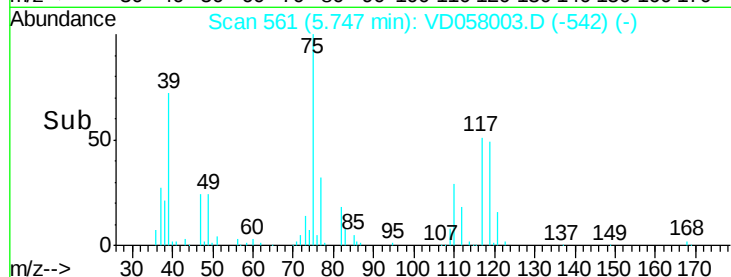
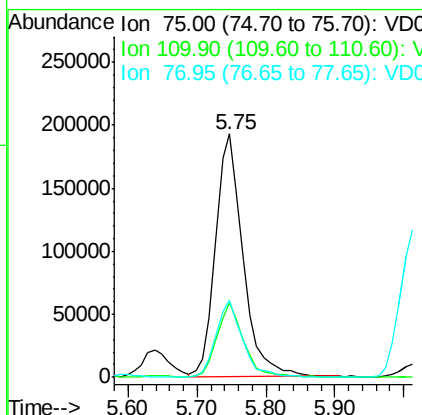
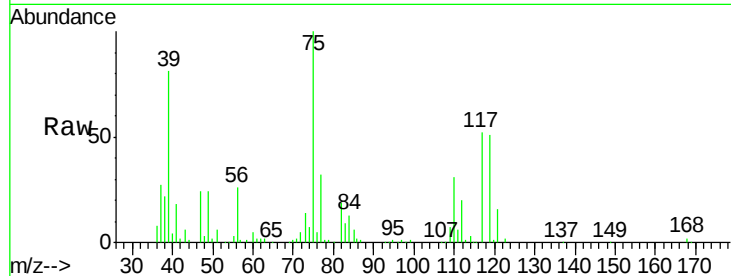




#36
 1,1-Dichloropropene
 Concen: 46.646 ug/l
 RT: 5.75 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

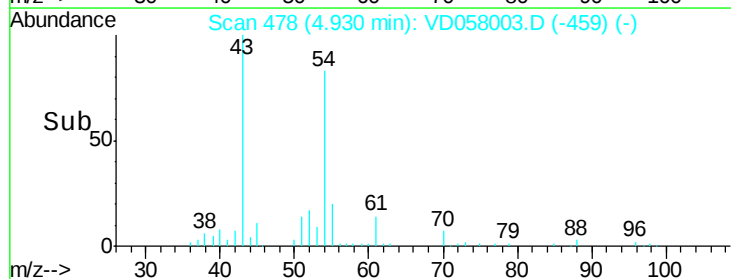
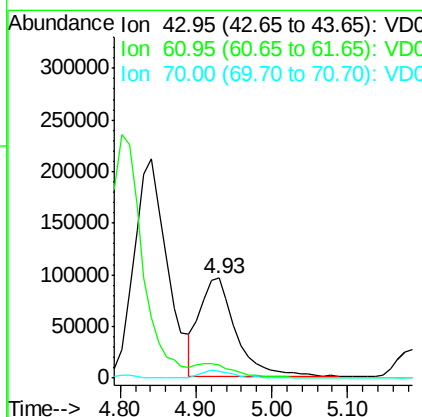
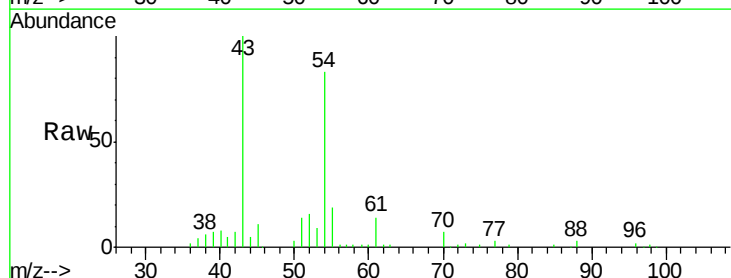
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

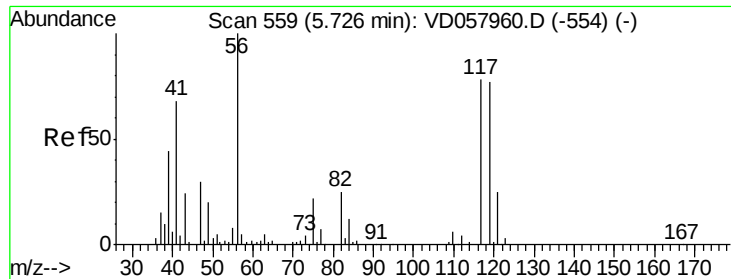
Tot Ion	Ratio	Lower	Upper
75	100		
110	30.6	14.8	44.3
77	32.0	23.9	35.9



#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

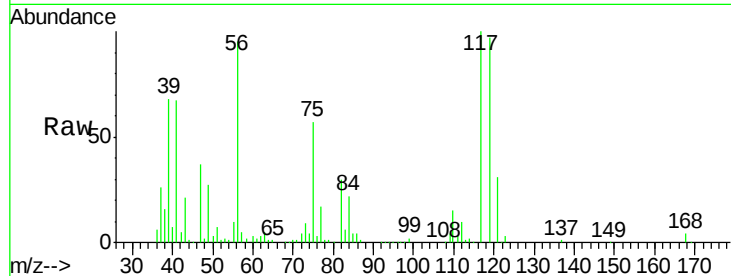
Tot Ion:117 Resp: 574669

Ion Ratio Lower Upper

117 100

119 96.9 76.1 114.1

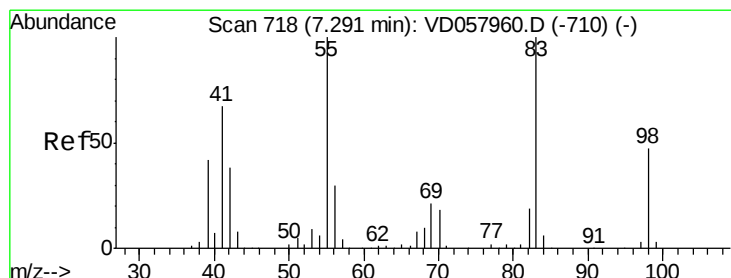
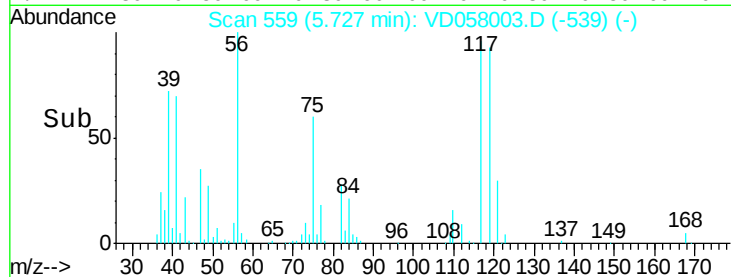
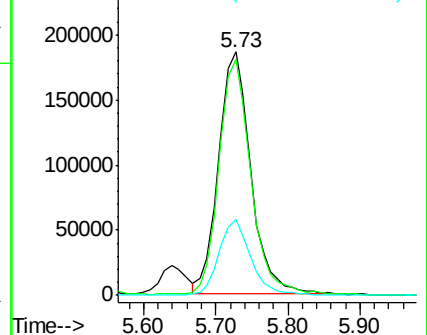
121 31.0 24.9 37.3



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

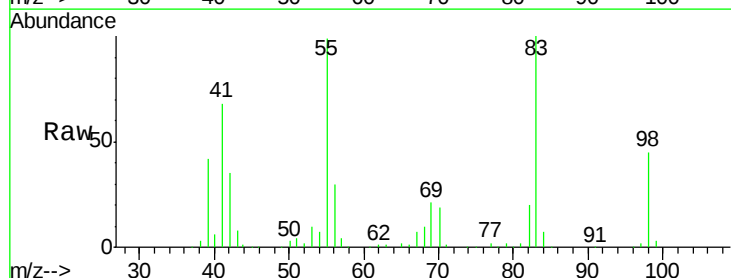
Tgt Ion: 83 Resp: 499152

Ion Ratio Lower Upper

83 100

55 99.0 80.3 120.5

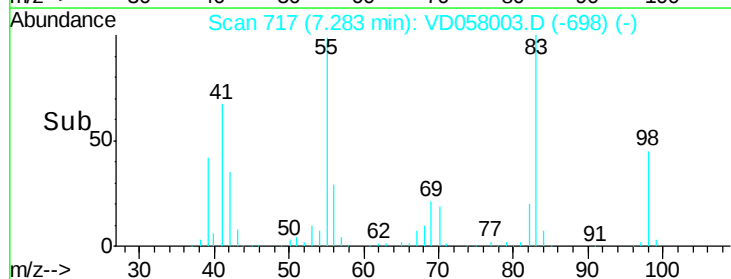
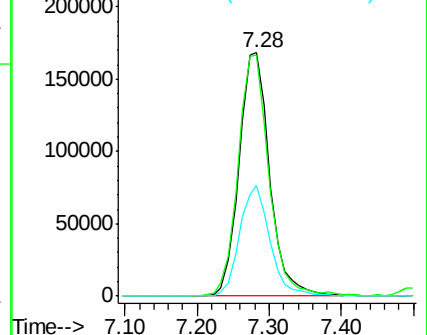
98 45.3 38.0 57.0

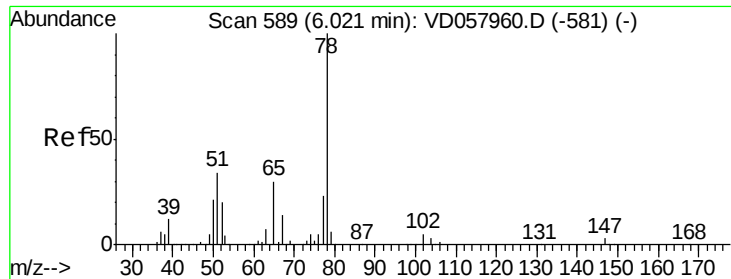


Abundance Ion 83.05 (82.75 to 83.75): VDC

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 :

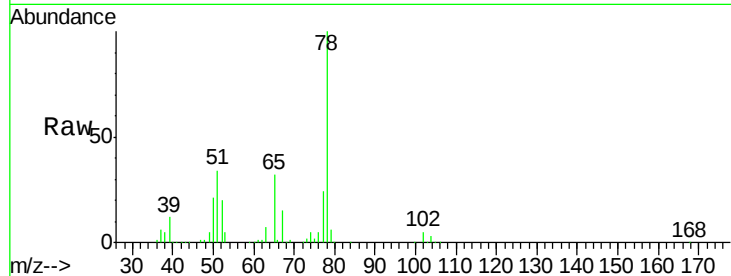
CAS1-SB-02-03-1-27MS

Tot 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

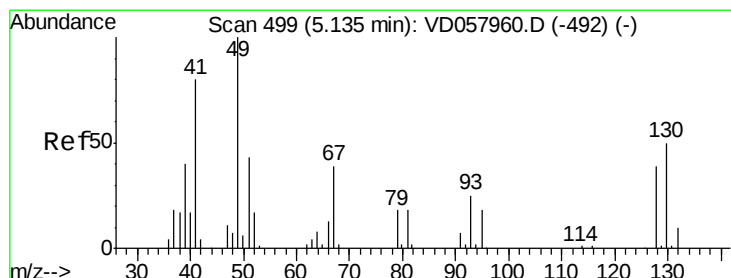
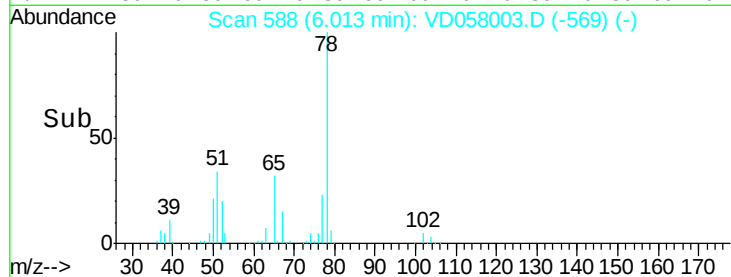
300000

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

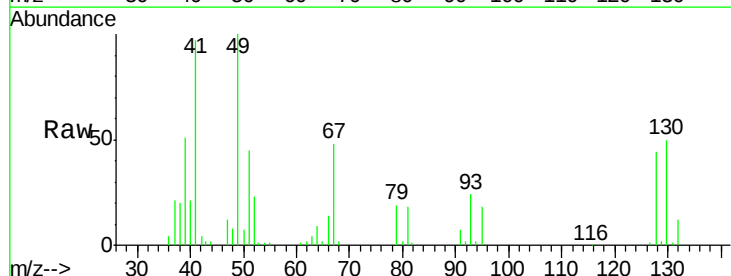
Ion Ratio Lower Upper

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

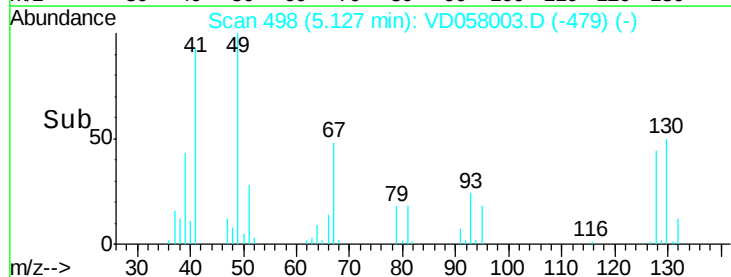
60000

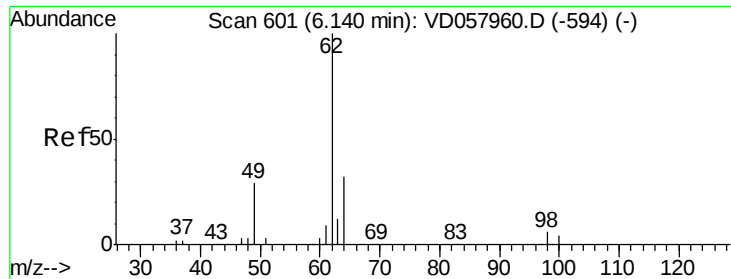
40000

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 :

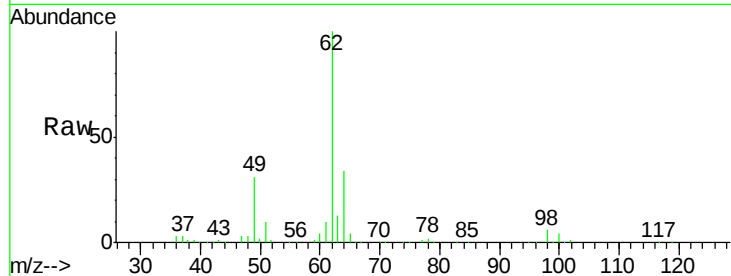
CAS1-SB-02-03-1-27MS

Tot Ion: 62 Resp: 594312

Ion Ratio Lower Upper

62 100

98 6.1 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

6.13

250000

200000

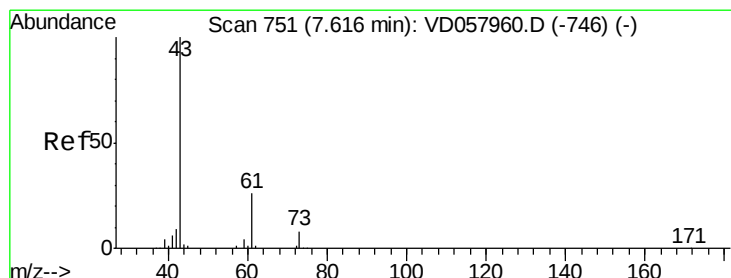
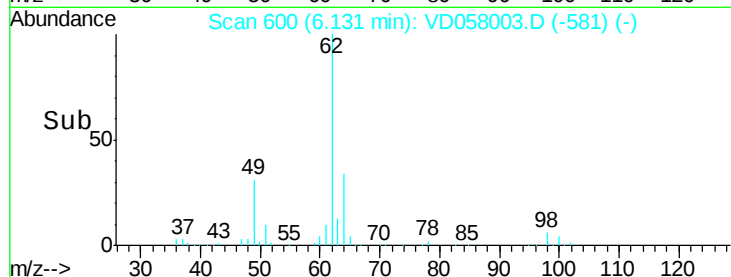
150000

100000

50000

0

Time-->



#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

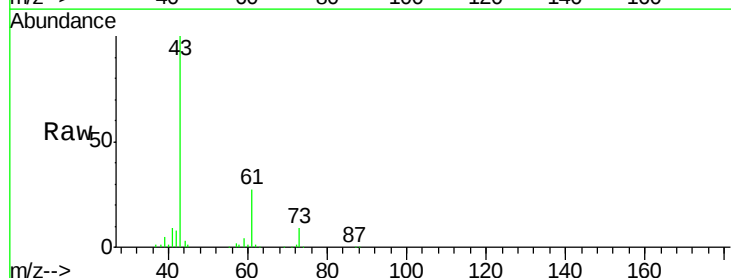
Tgt Ion: 43 Resp: 402721

Ion Ratio Lower Upper

43 100

61 26.7 20.6 30.8

87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

7.61

200000

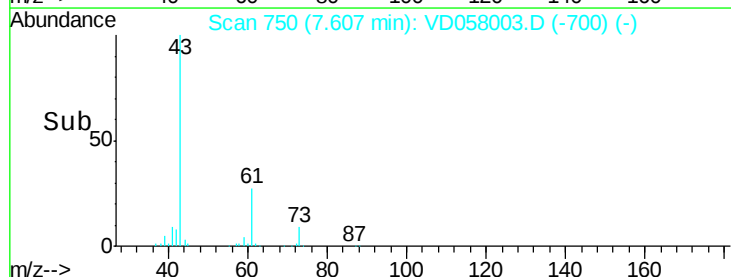
150000

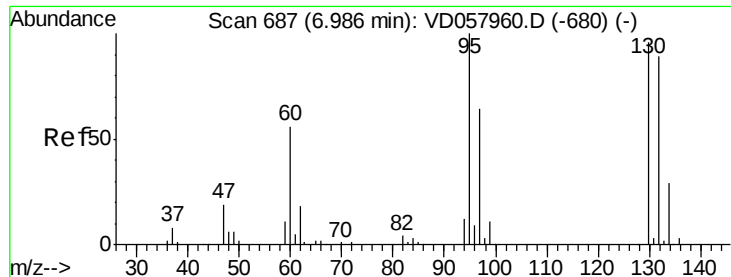
100000

50000

0

Time-->





#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 :

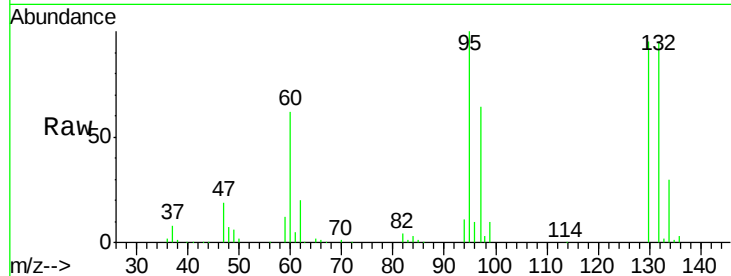
CAS1-SB-02-03-1-27MS

Tot Ion:130 Resp: 366727

Ion Ratio Lower Upper

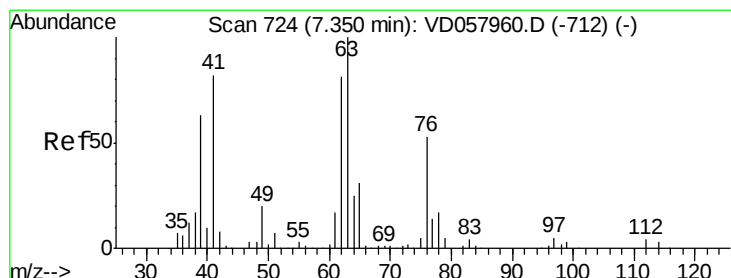
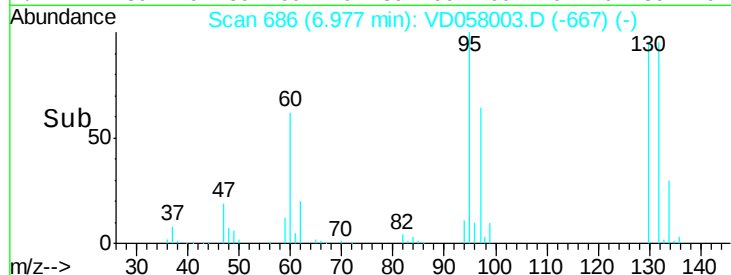
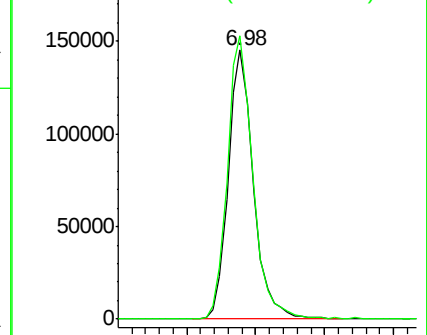
130 100

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

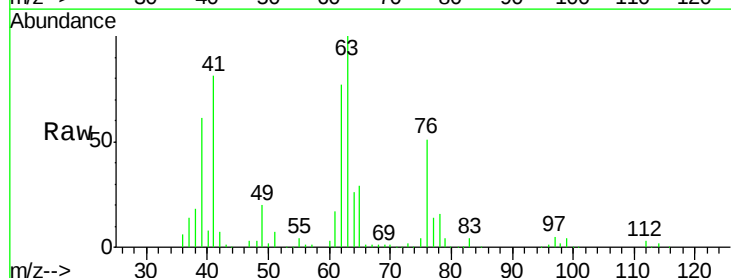
Acq: 8 Jun 2018 7:49

Tgt Ion: 63 Resp: 430028

Ion Ratio Lower Upper

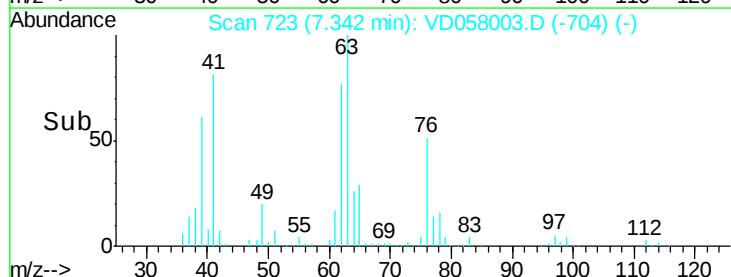
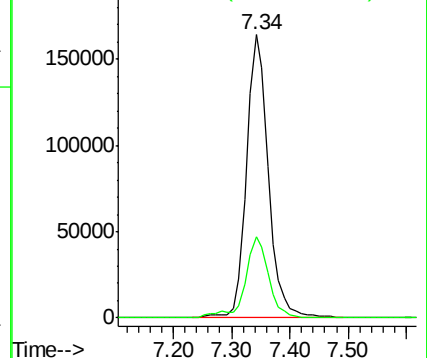
63 100

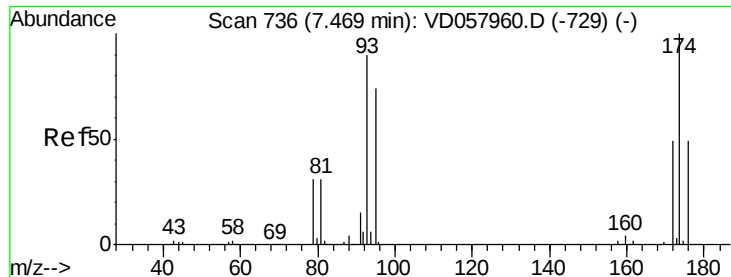
65 28.8 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

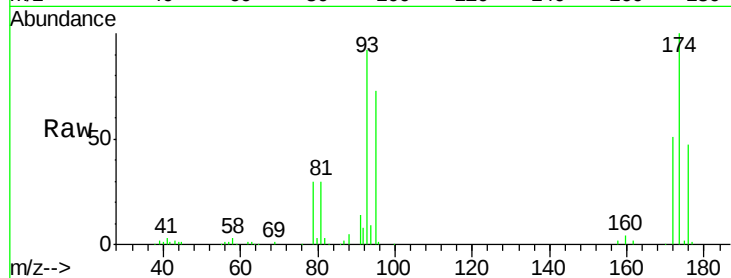




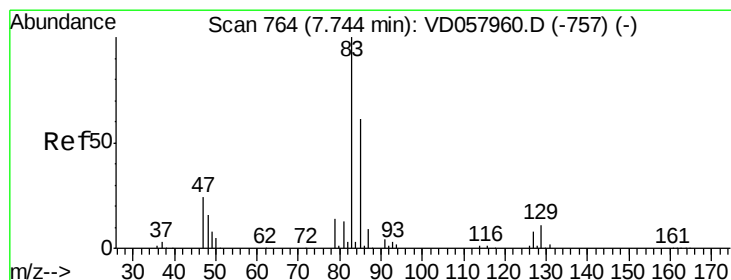
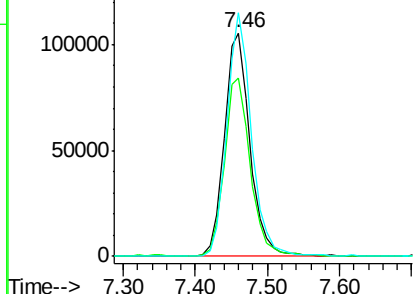
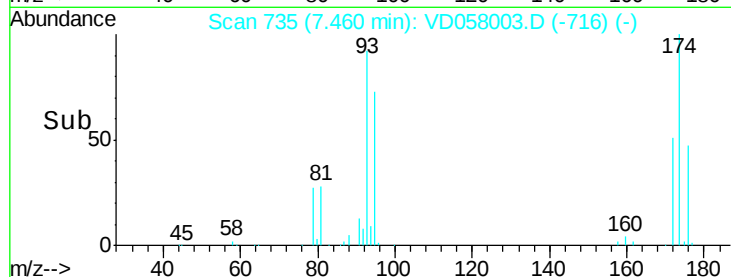
#46
 Dibromomethane
 Concen: 54.577 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

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

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

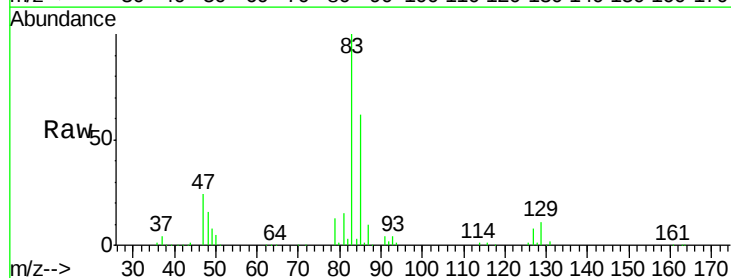


Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V

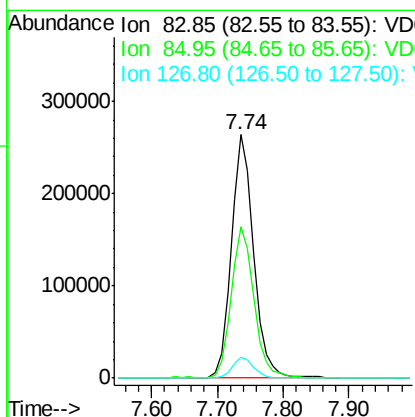
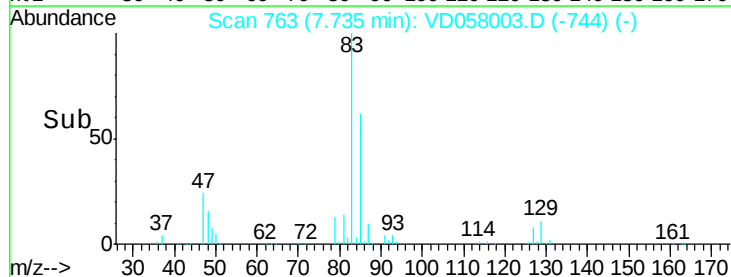


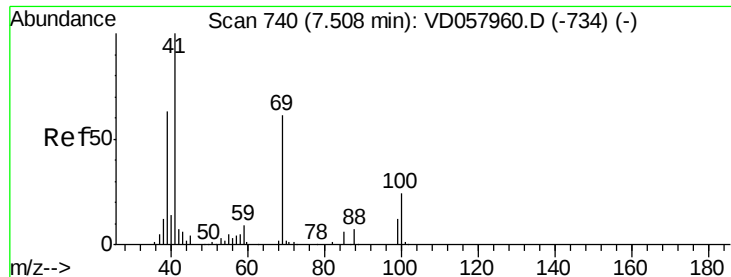
#47
 Bromodichloromethane
 Concen: 56.486 ug/l
 RT: 7.74 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

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

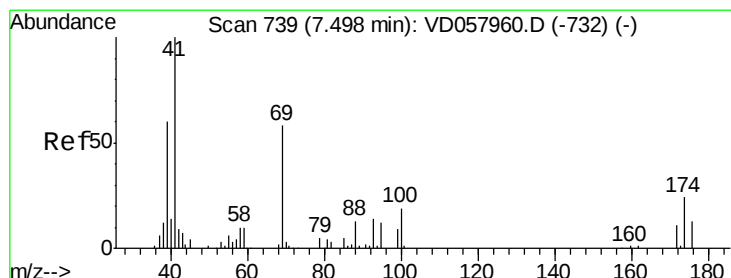
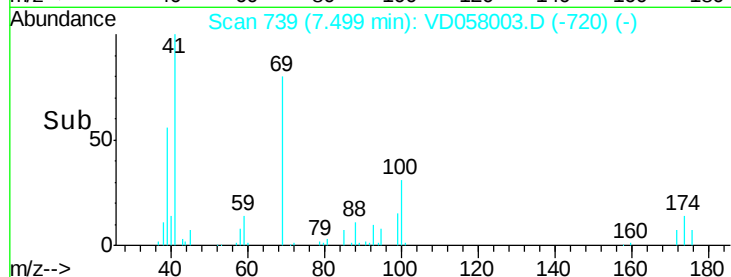
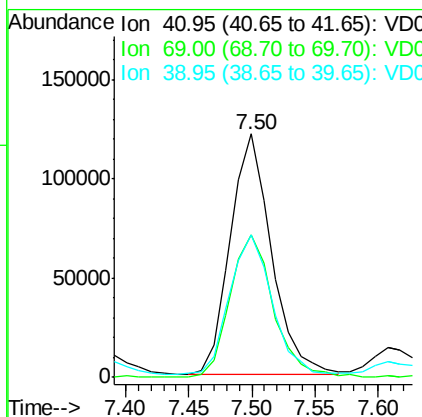
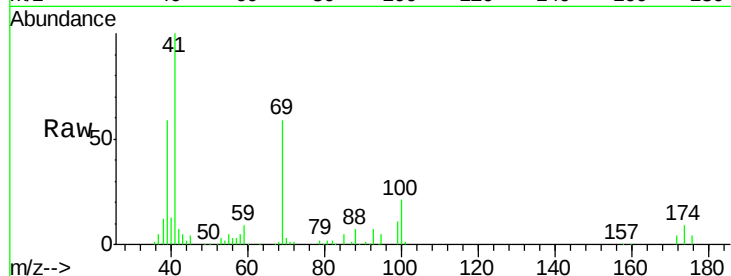




#48
Methvl methacrylate
Concen: 54.977 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

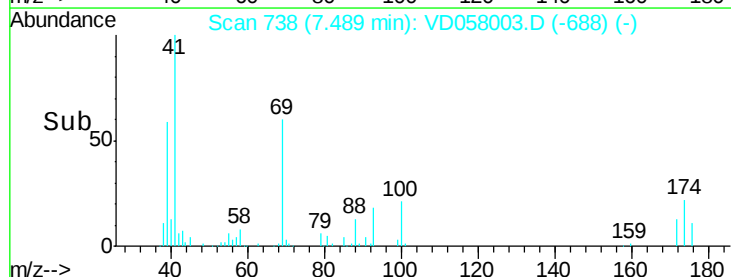
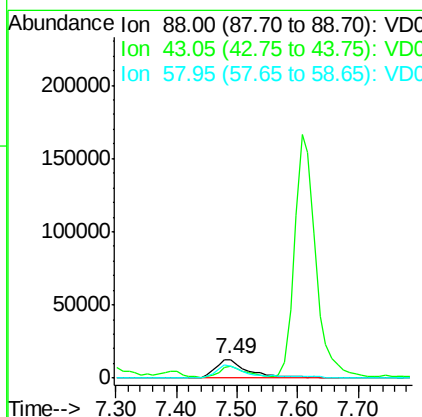
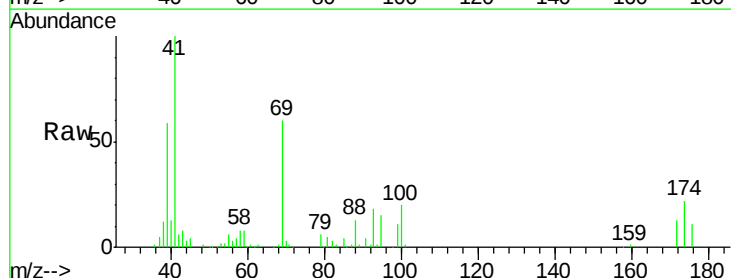
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

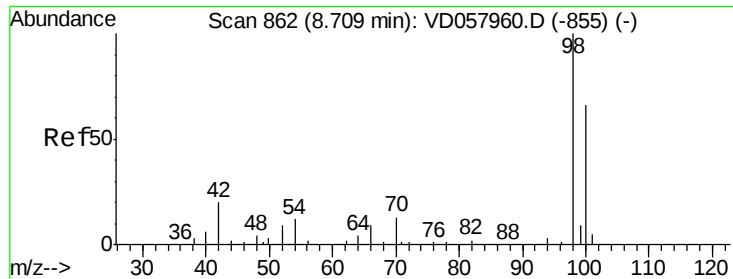
Tot Ion: 41 Resp: 274705
Ion Ratio Lower Upper
41 100
69 58.7 48.0 72.0
39 58.6 50.7 76.1



#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 :

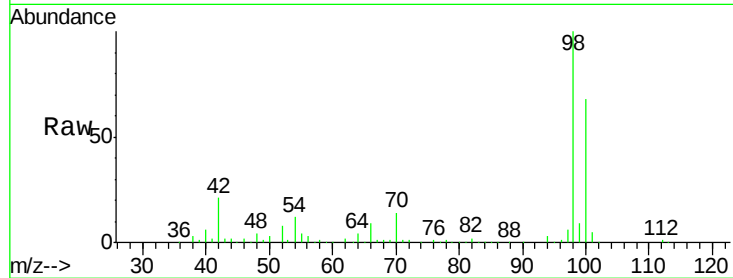
CAS1-SB-02-03-1-27MS

Tot 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): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.70

400000

300000

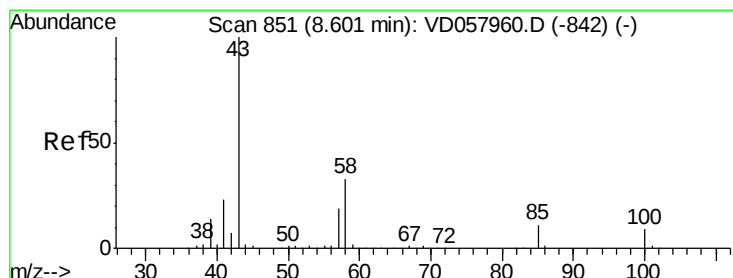
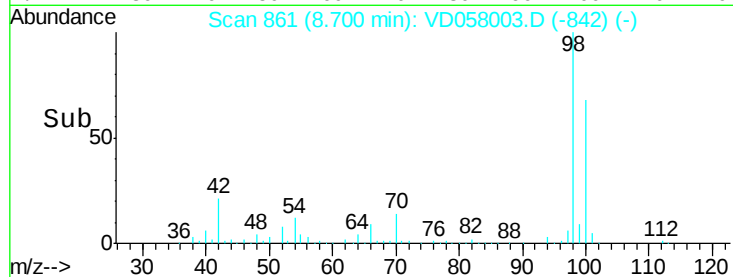
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#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

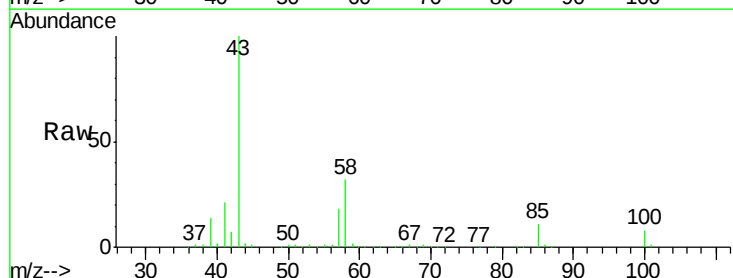
Acq: 8 Jun 2018 7:49

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): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

600000

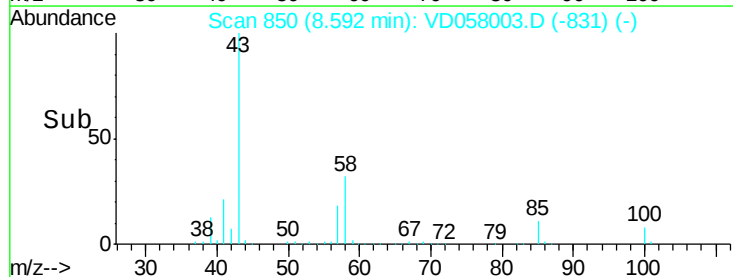
400000

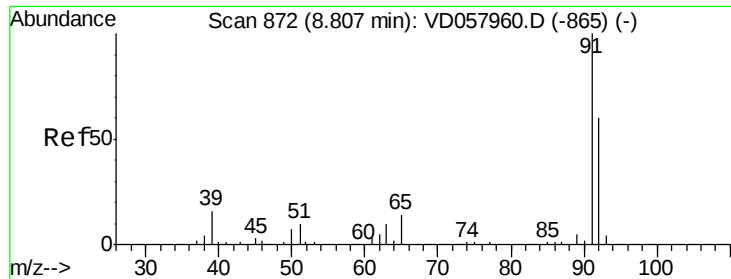
200000

0

8.50 8.60 8.70

Time-->





#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 :

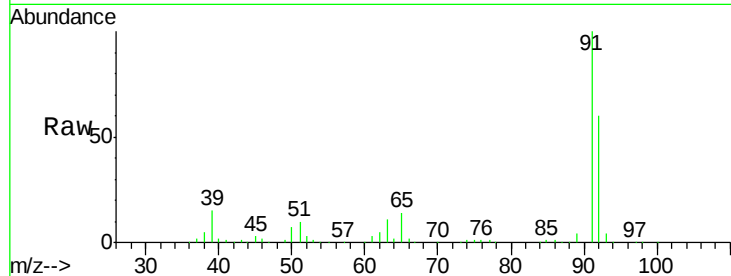
CAS1-SB-02-03-1-27MS

Tot Ion: 92 Resp: 814380

Ion Ratio Lower Upper

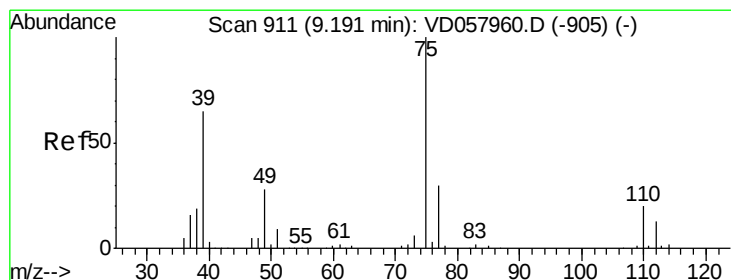
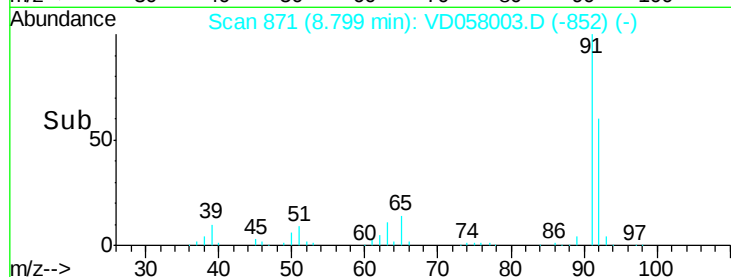
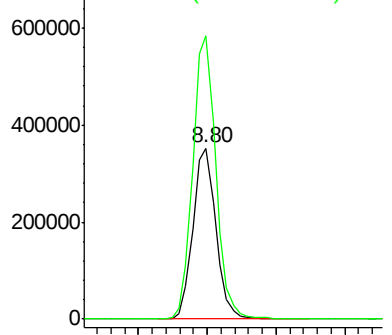
92 100

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

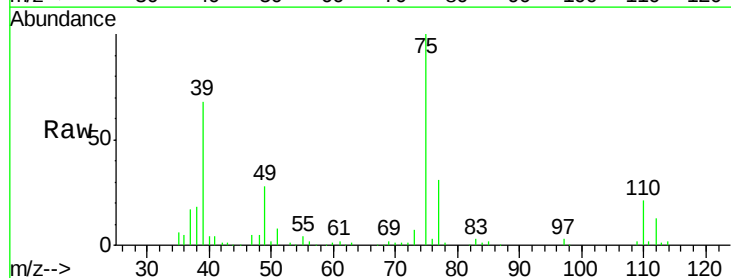
Acq: 8 Jun 2018 7:49

Tgt Ion: 75 Resp: 458372

Ion Ratio Lower Upper

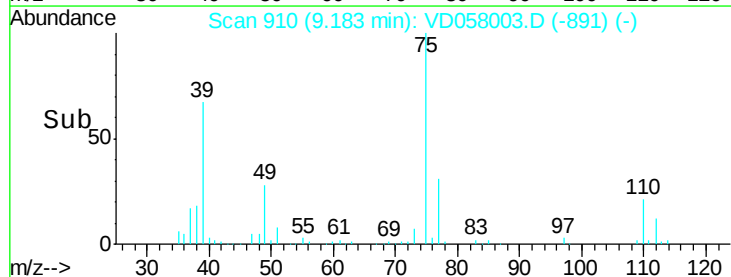
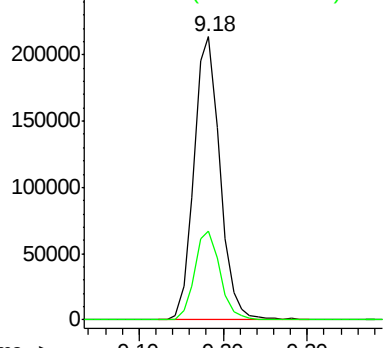
75 100

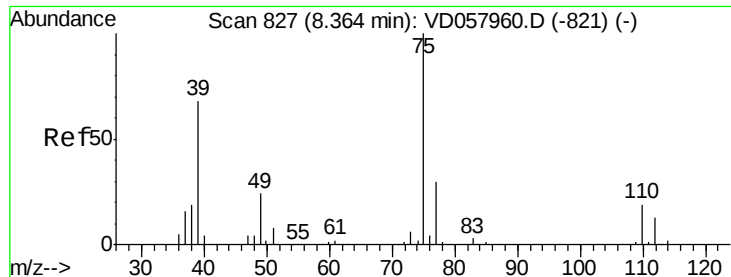
77 31.5 24.3 36.5



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

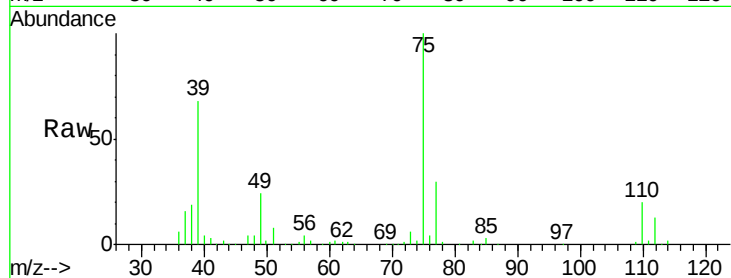
Tot Ion: 75 Resp: 569150

Ion Ratio Lower Upper

75 100

77 30.4 24.1 36.1

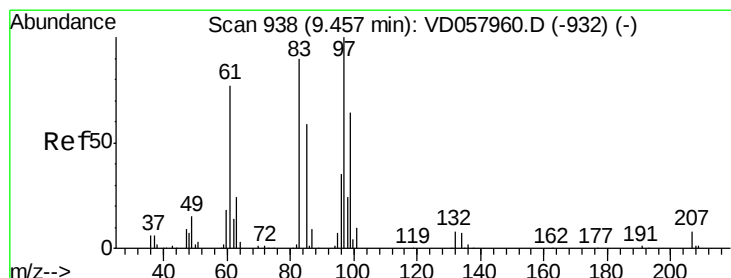
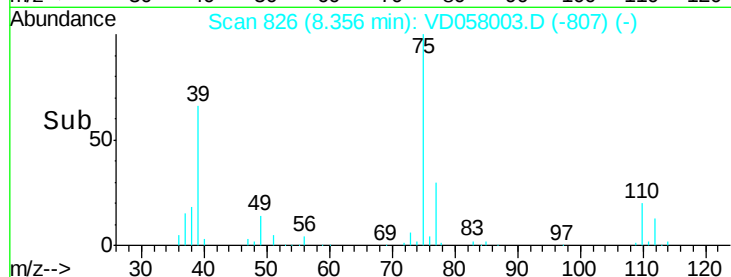
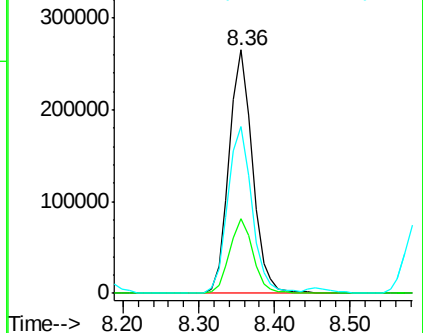
39 68.3 54.0 81.0



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

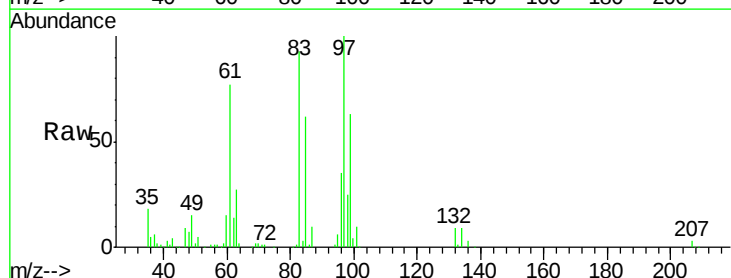
Ion Ratio Lower Upper

97 100

83 92.8 71.8 107.8

85 61.9 47.2 70.8

99 63.4 51.4 77.0

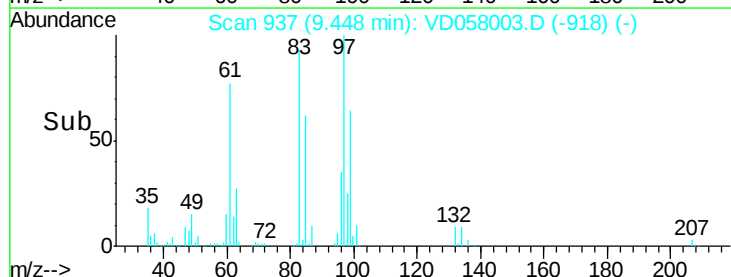
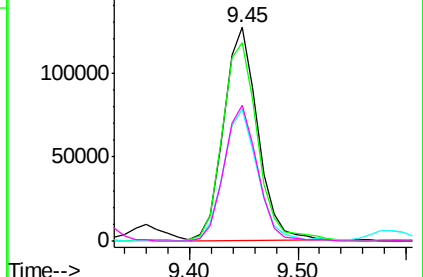


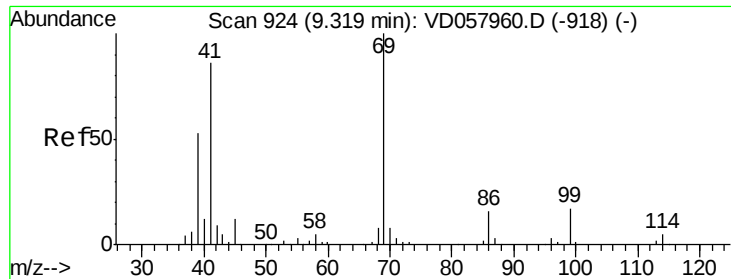
Abundance Ion 96.85 (96.55 to 97.55): VDC

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

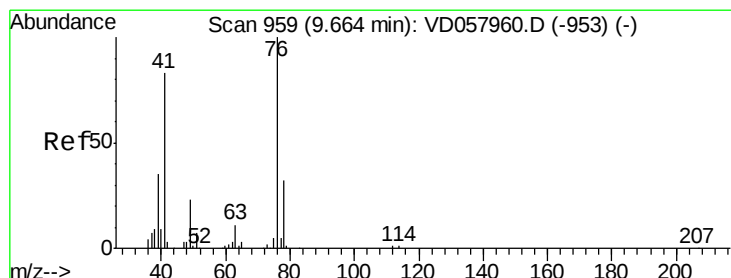
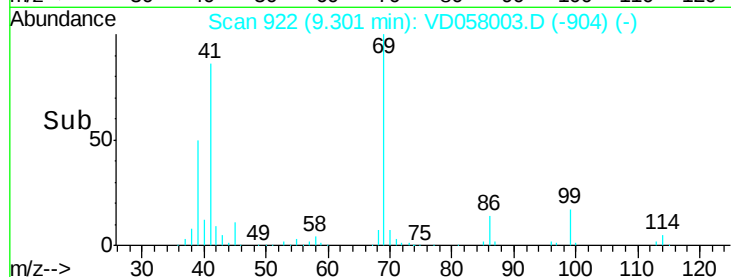
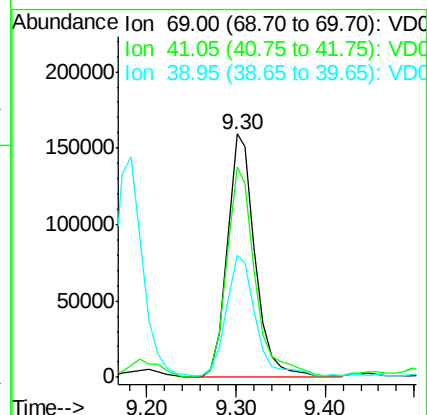
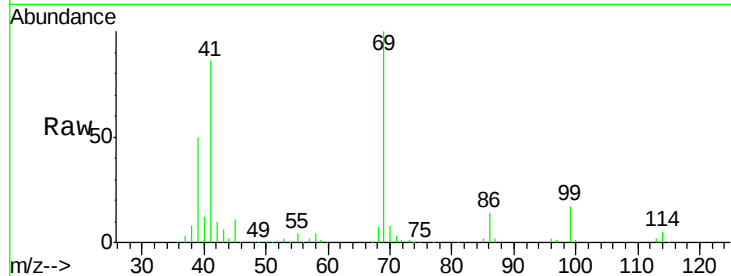
Tot Ion: 69 Resp: 351354

Ion Ratio Lower Upper

69 100

41 86.2 68.4 102.6

39 49.9 43.0 64.4



#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

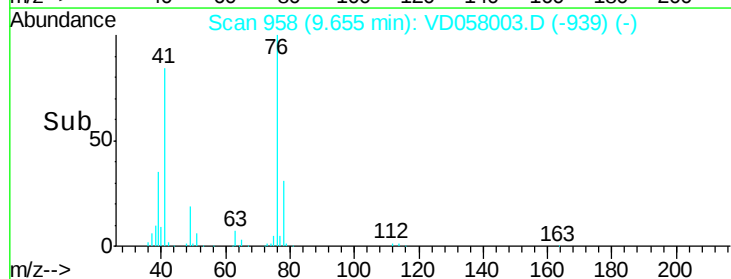
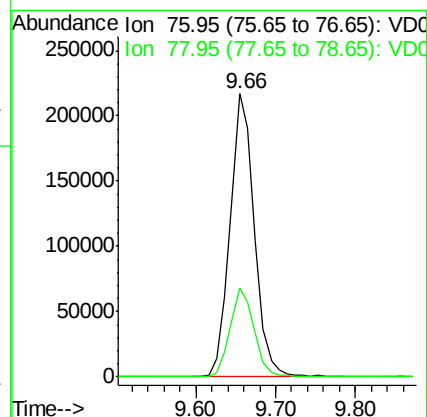
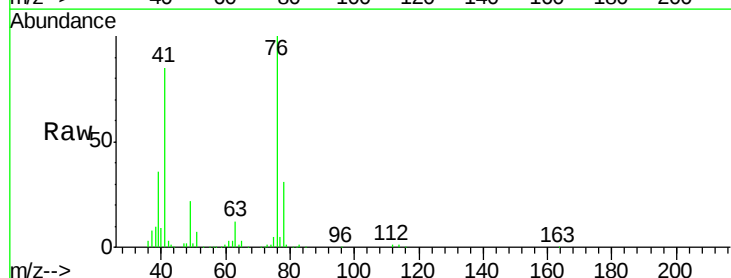
Acq: 8 Jun 2018 7:49

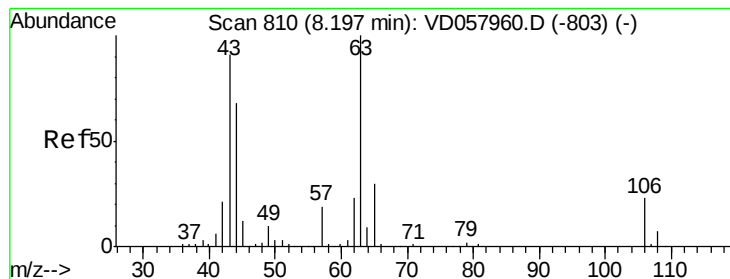
Tgt Ion: 76 Resp: 467039

Ion Ratio Lower Upper

76 100

78 31.3 25.4 38.2





#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 :

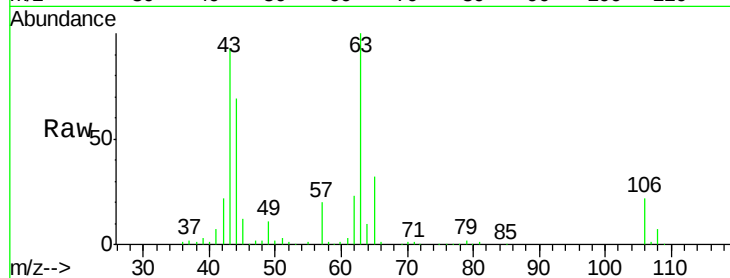
CAS1-SB-02-03-1-27MS

Tot Ion: 63 Resp: 816756

Ion Ratio Lower Upper

63 100

106 22.1 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.18

300000

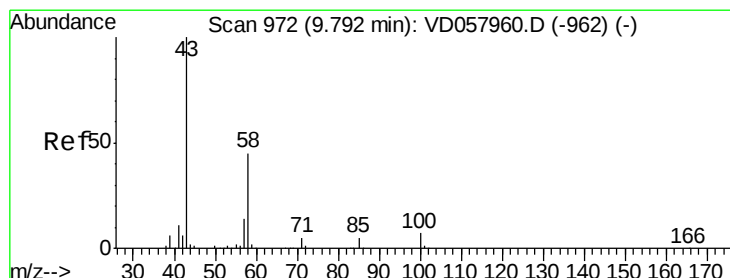
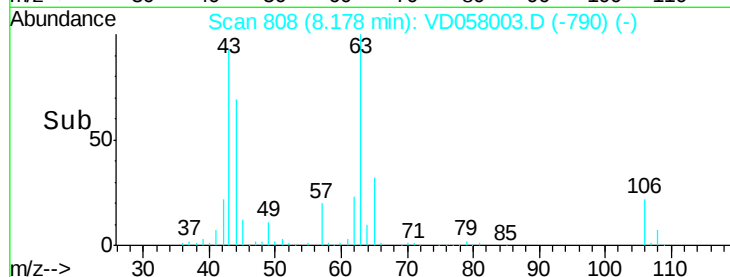
200000

100000

0

Time-->

8.10 8.20 8.30



#59

2-Hexanone

Concen: 255.759 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD058003.D

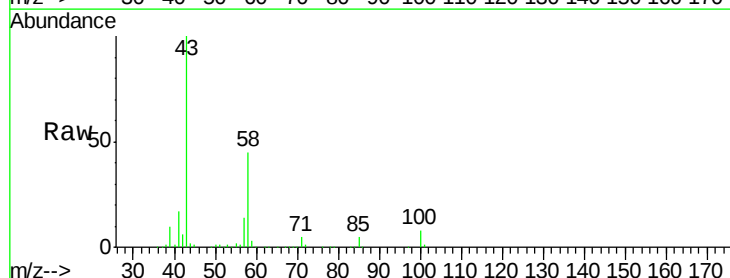
Acq: 8 Jun 2018 7:49

Tgt Ion: 43 Resp: 975972

Ion Ratio Lower Upper

43 100

58 45.0 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.78

500000

400000

300000

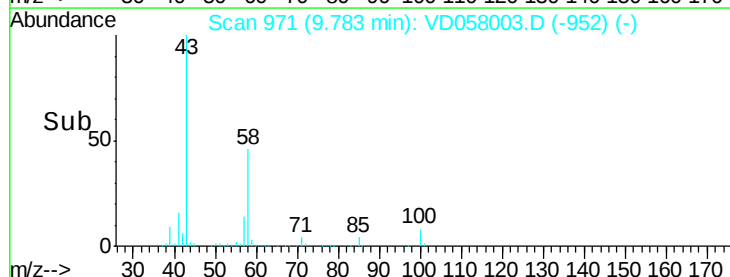
200000

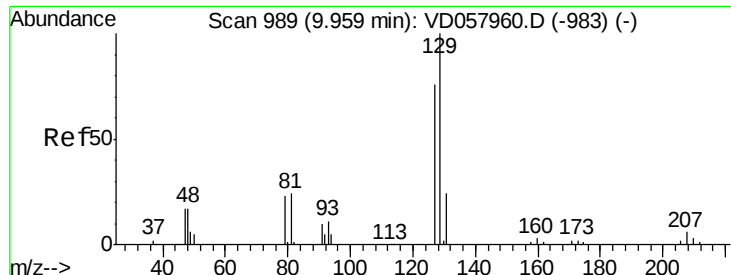
100000

0

Time-->

9.70 9.80 9.90





#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 :

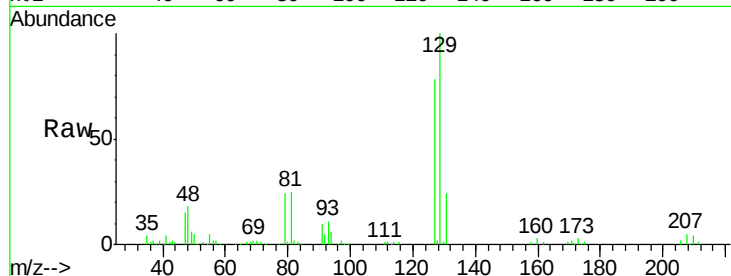
CAS1-SB-02-03-1-27MS

Tot Ion:129 Resp: 399044

Ion Ratio Lower Upper

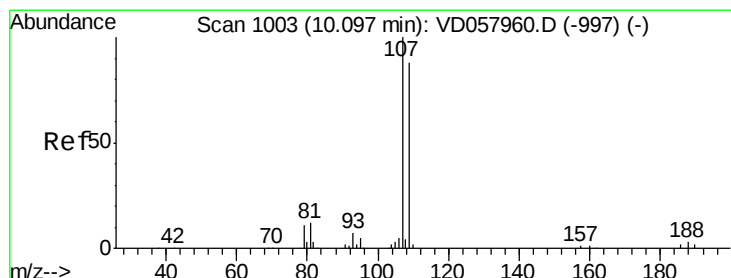
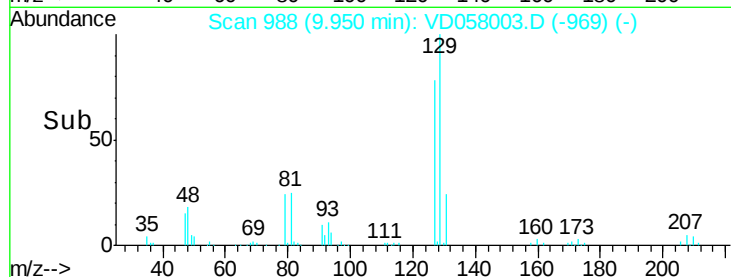
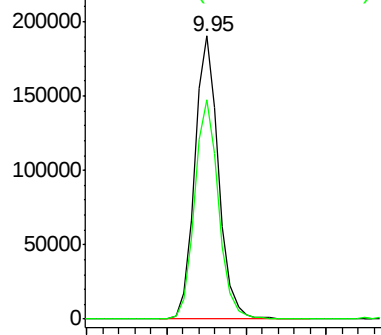
129 100

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



#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

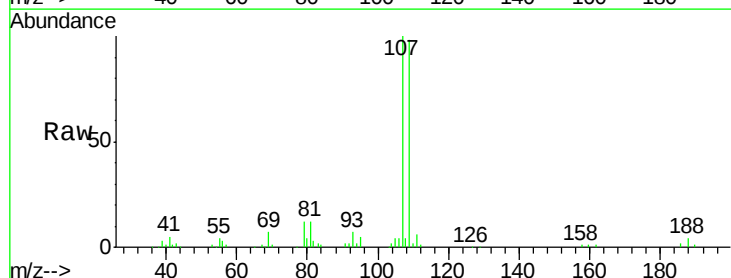
Acq: 8 Jun 2018 7:49

Tgt Ion:107 Resp: 291842

Ion Ratio Lower Upper

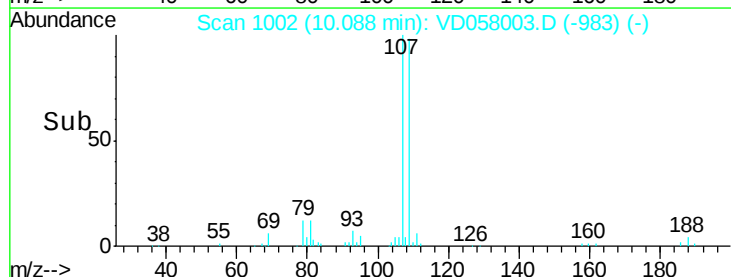
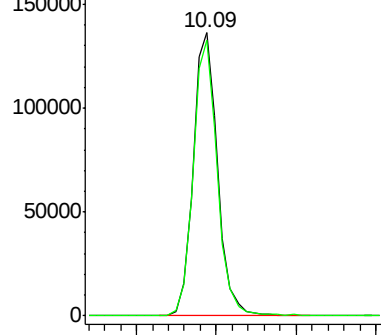
107 100

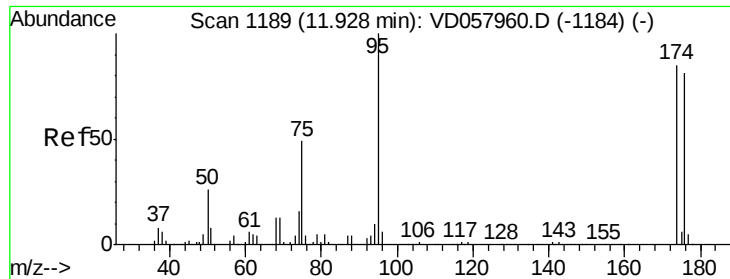
109 97.5 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V





#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

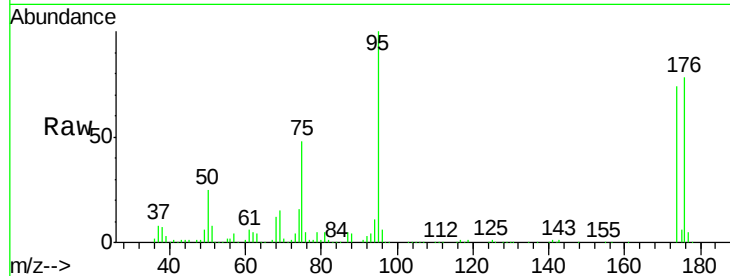
Tot Ion: 95 Resp: 423468

Ion Ratio Lower Upper

95 100

174 74.2 0.0 169.4

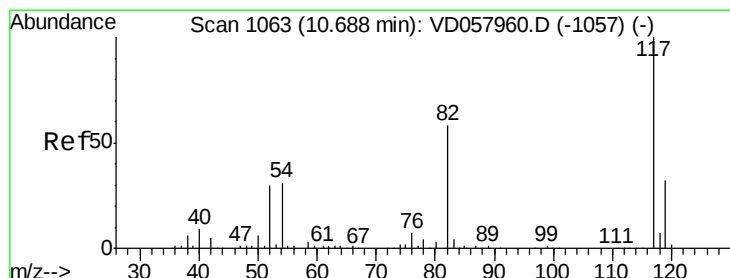
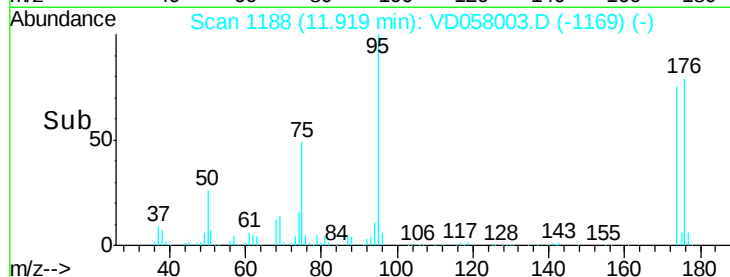
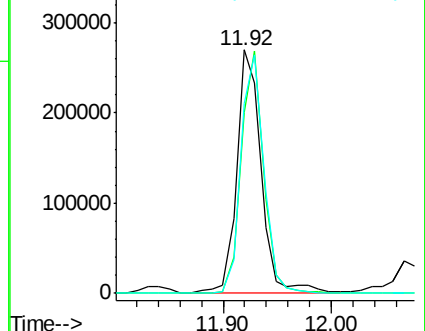
176 78.1 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

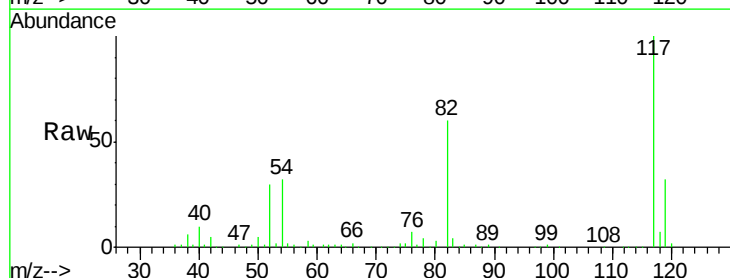
Tgt Ion: 117 Resp: 794386

Ion Ratio Lower Upper

117 100

82 59.7 46.8 70.2

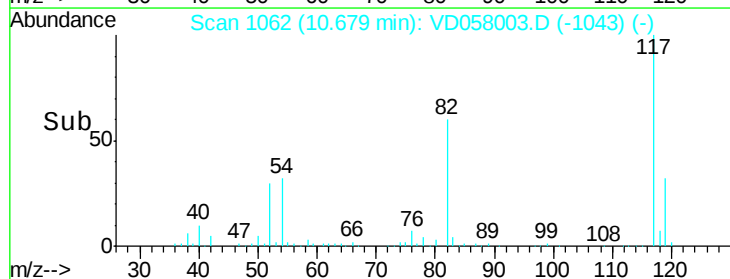
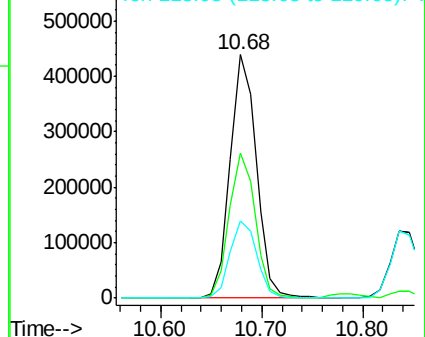
119 31.9 25.8 38.6

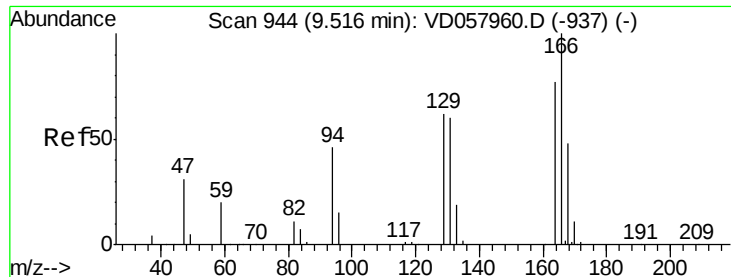


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 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

Tot Ion:164 Resp: 354809

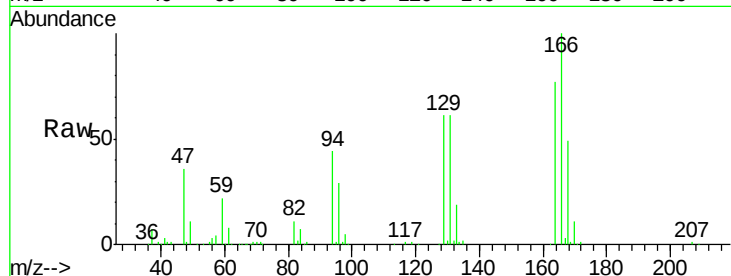
Ion Ratio Lower Upper

164 100

166 130.7 104.4 156.6

129 79.6 65.0 97.6

131 79.1 62.9 94.3

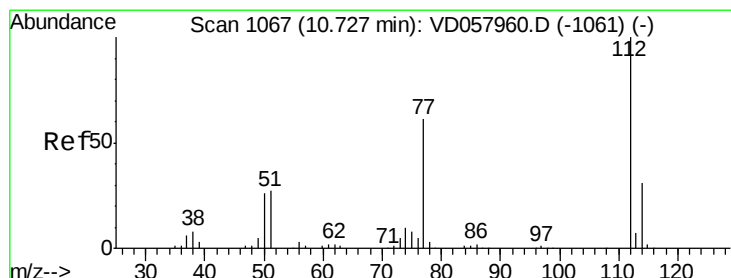
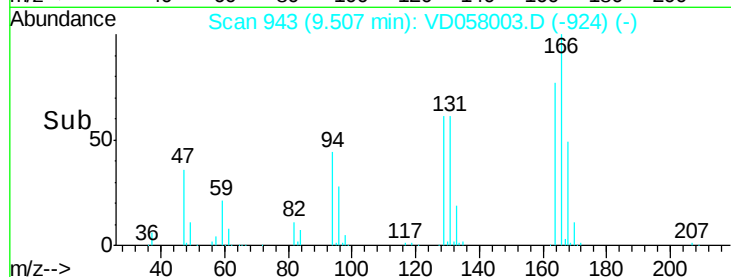
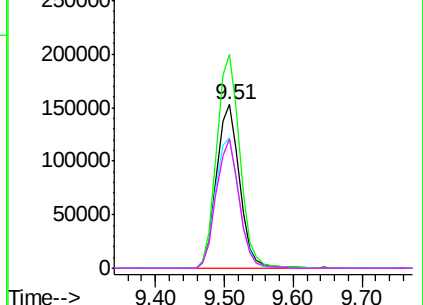


Abundance Ion 163.85 (163.55 to 164.55): V

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

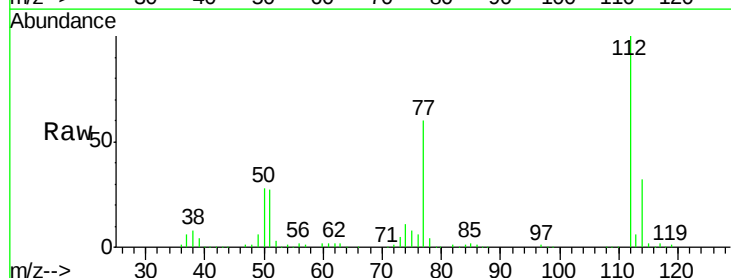
Acq: 8 Jun 2018 7:49

Tgt Ion:112 Resp: 829471

Ion Ratio Lower Upper

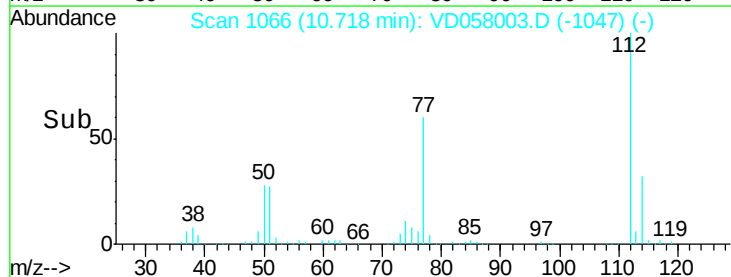
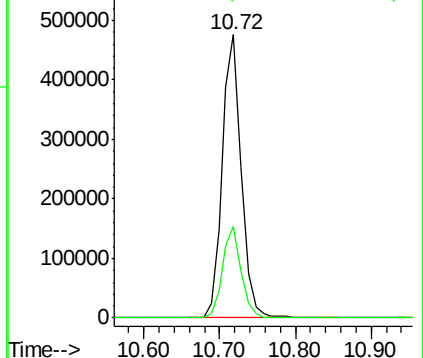
112 100

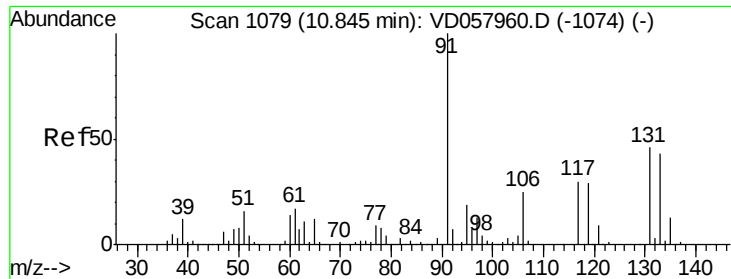
114 32.5 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

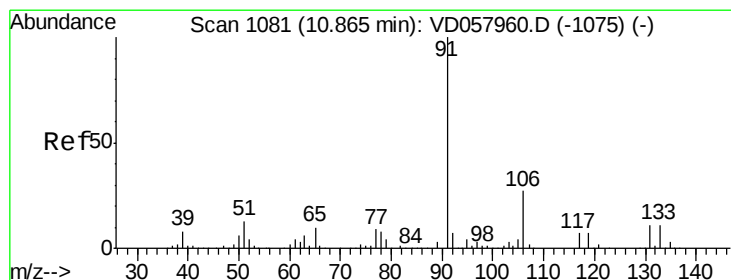
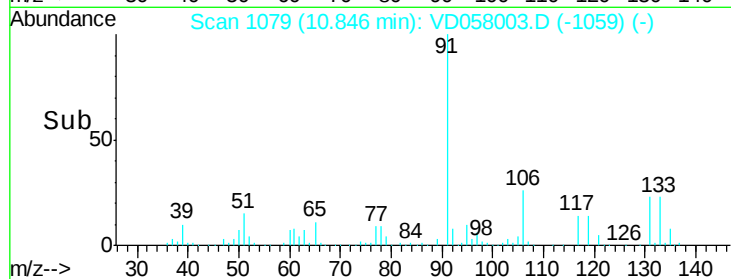
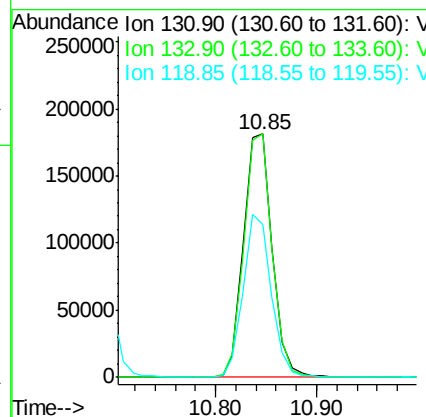
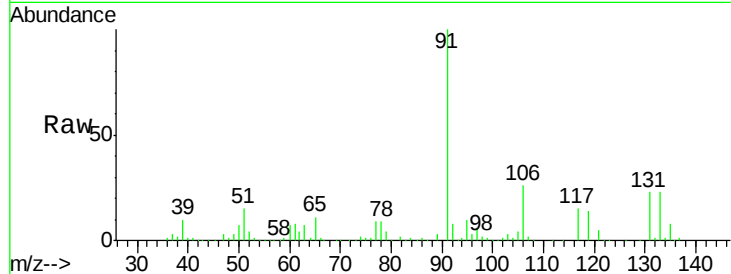




#66
 1,1,1,2-Tetrachloroethane
 Concen: 58.015 ug/l
 RT: 10.85 min Scan# 1079
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

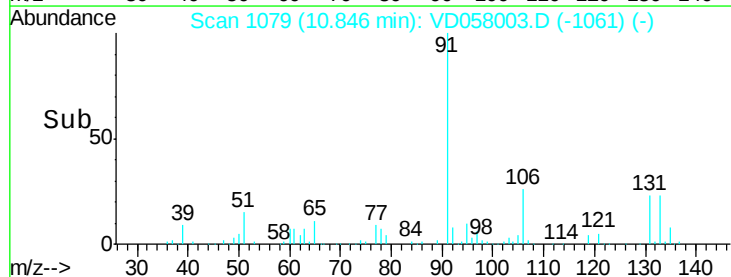
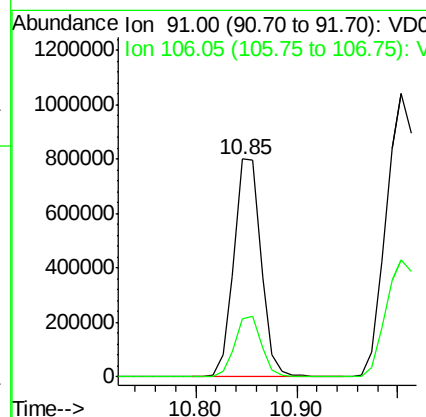
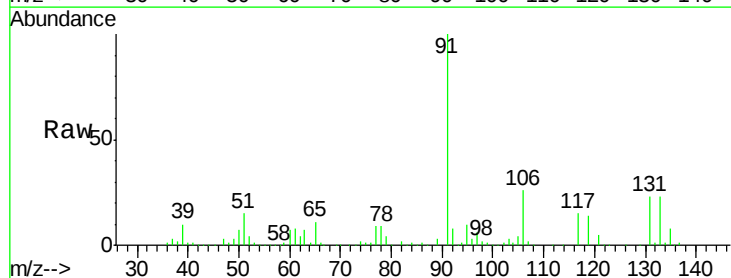
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

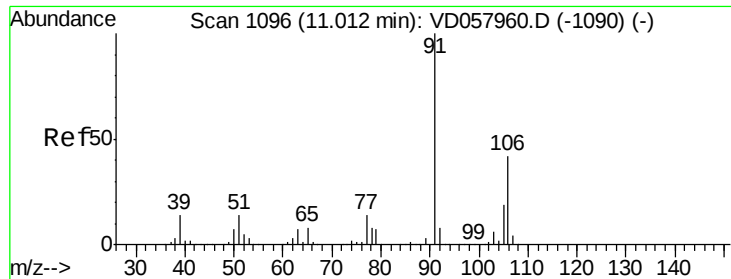
Tot Ion:131 Resp: 358456
 Ion Ratio Lower Upper
 131 100
 133 100.1 46.9 140.6
 119 62.9 31.8 95.3



#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

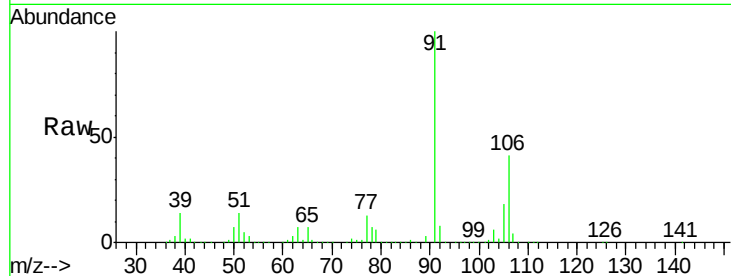




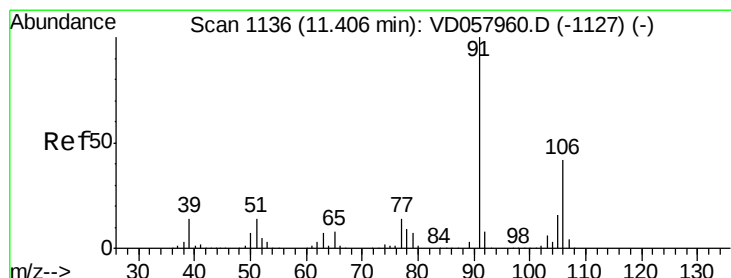
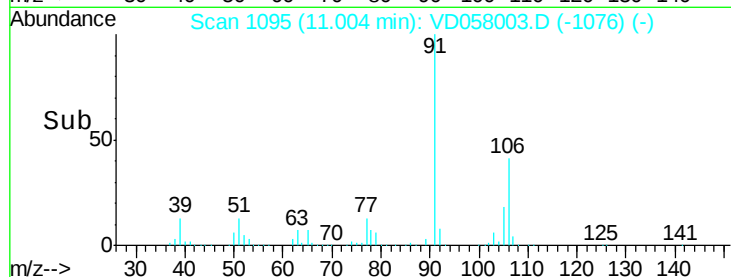
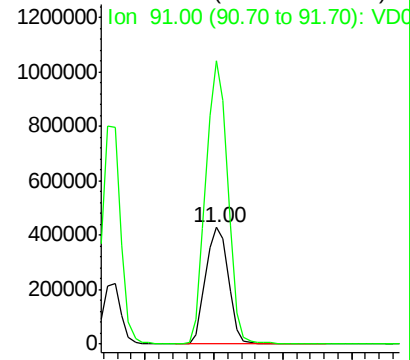
#68
m/p-Xylenes
Concen: 103.844 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

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

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

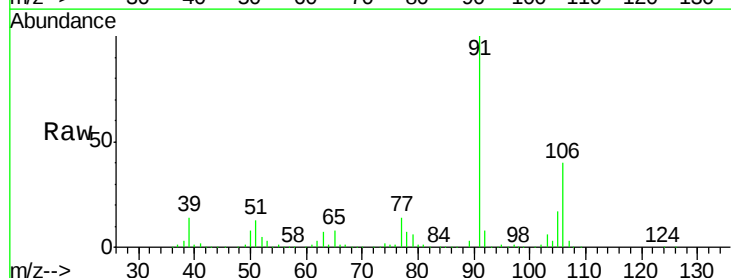


Abundance Ion 106.05 (105.75 to 106.75): V

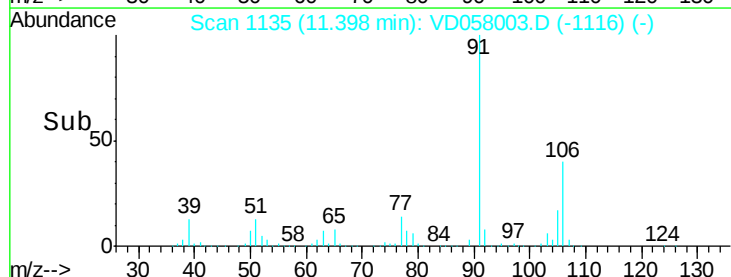
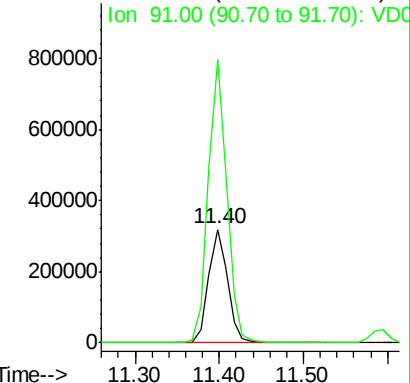


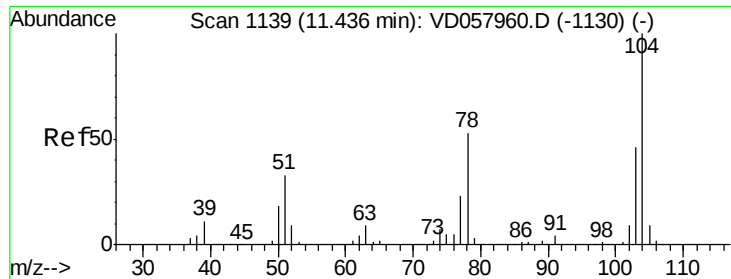
#69
o-Xylene
Concen: 53.521 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

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

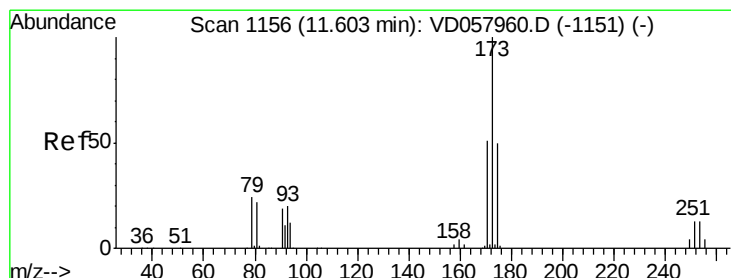
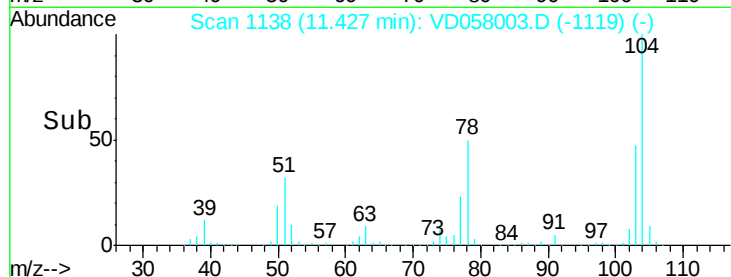
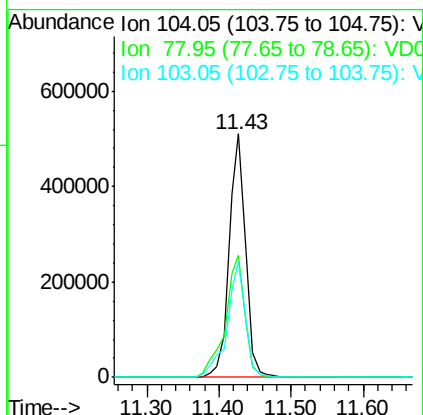
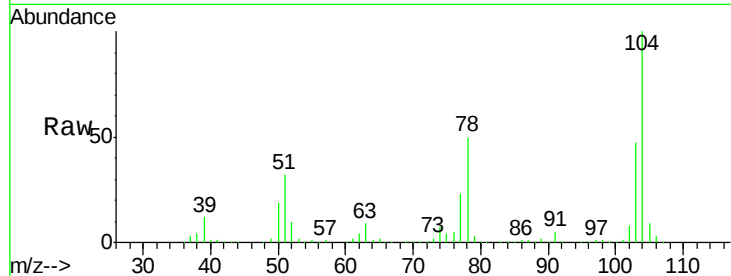




#70
Stvrene
Concen: 51.721 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058003.D
Acq: 8 Jun 2018 7:49

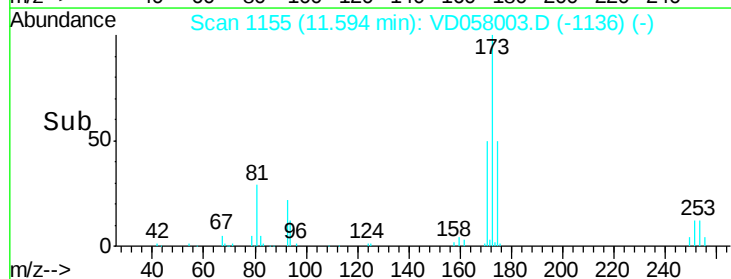
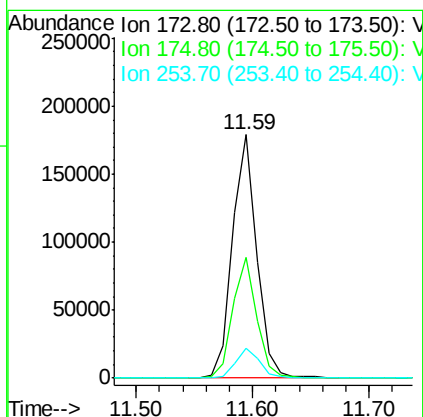
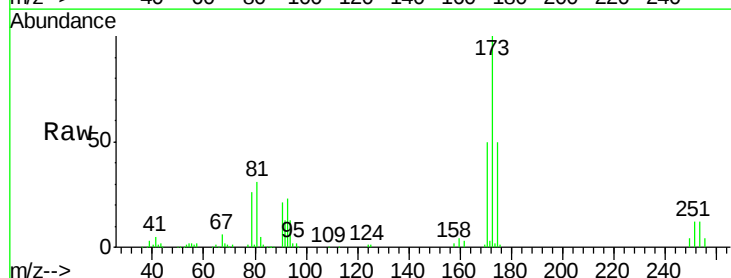
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MS

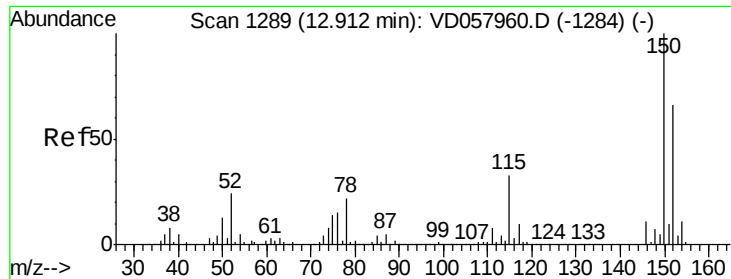
Tot Ion:104 Resp: 804964
Ion Ratio Lower Upper
104 100
78 50.1 42.1 63.1
103 47.3 37.0 55.6



#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

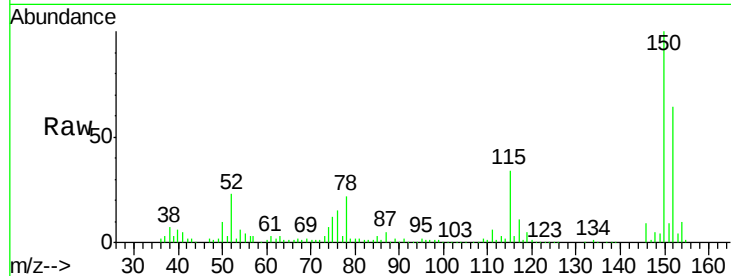
Tot Ion:152 Resp: 362957

Ion Ratio Lower Upper

152 100

115 52.8 25.6 76.6

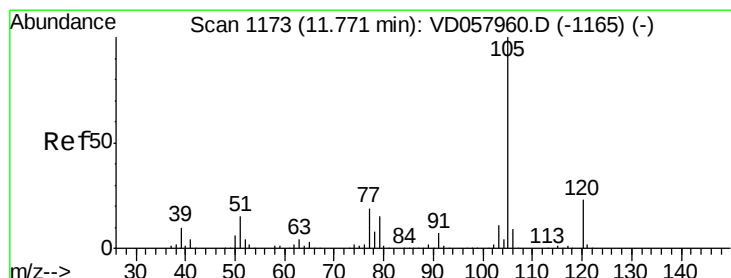
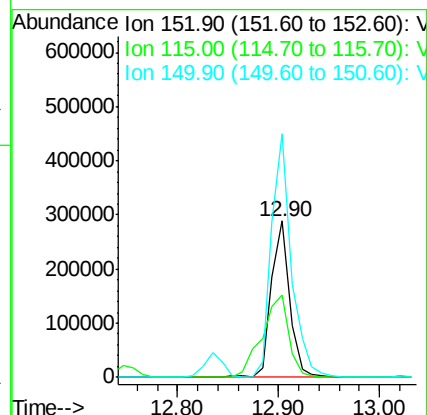
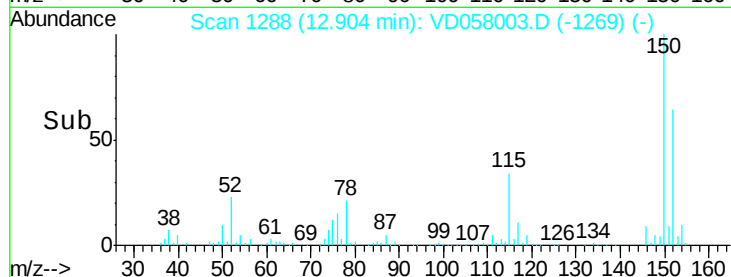
150 155.7 0.0 306.8



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

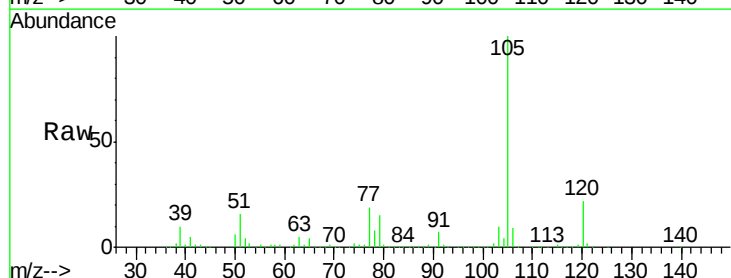
Acq: 8 Jun 2018 7:49

Tgt Ion:105 Resp: 1333119

Ion Ratio Lower Upper

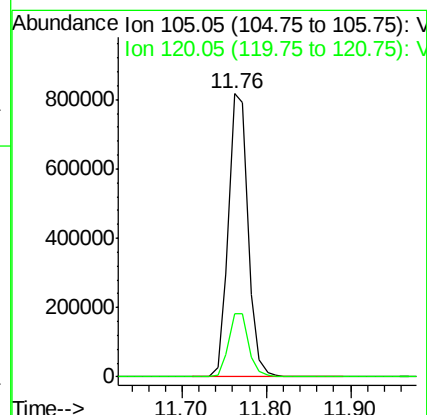
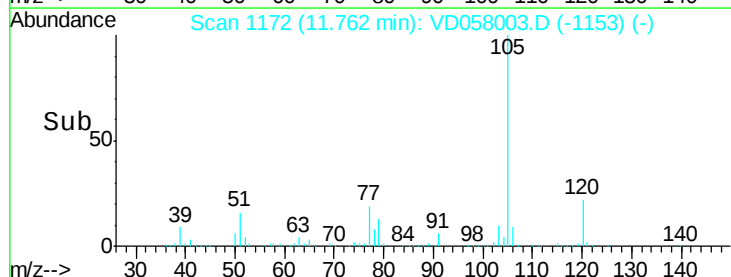
105 100

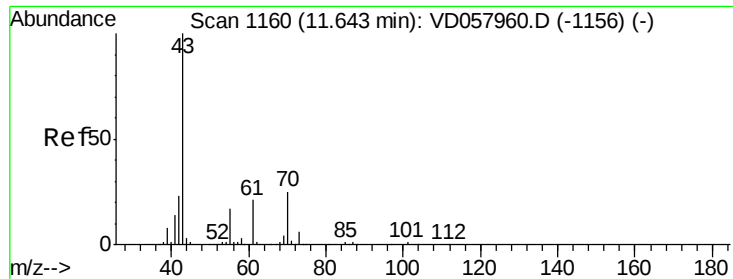
120 22.4 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl 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

Tot Ion: 43 Resp: 498351

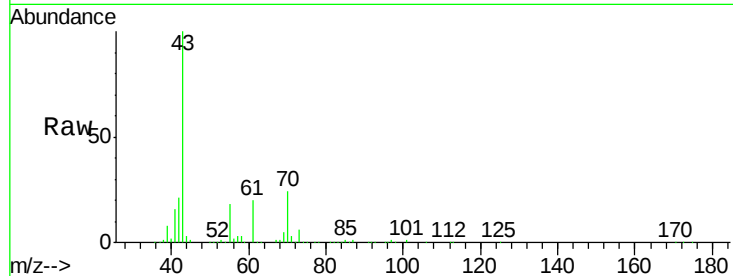
Ion Ratio Lower Upper

43 100

70 24.2 20.3 30.5

55 18.2 13.9 20.9

61 20.3 16.6 24.8

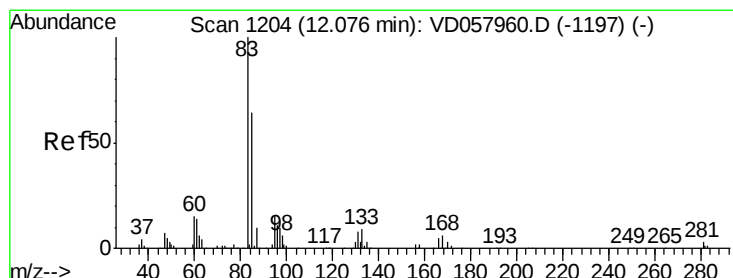
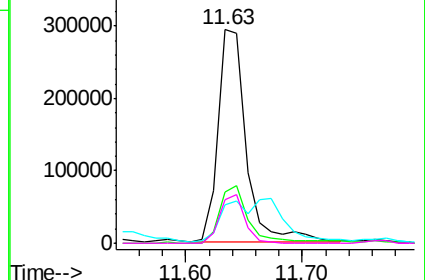
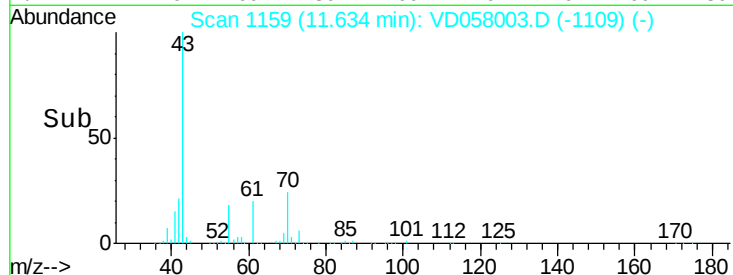


Abundance Ion 42.95 (42.65 to 43.65): VDC

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

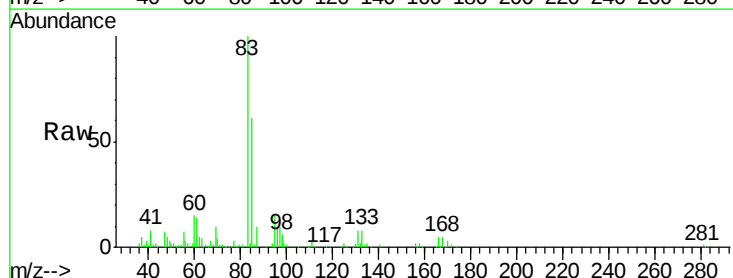
Tgt Ion: 83 Resp: 348550

Ion Ratio Lower Upper

83 100

131 8.1 4.2 12.6

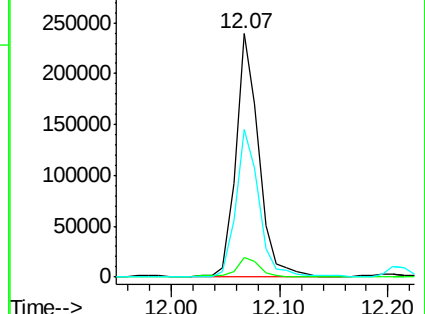
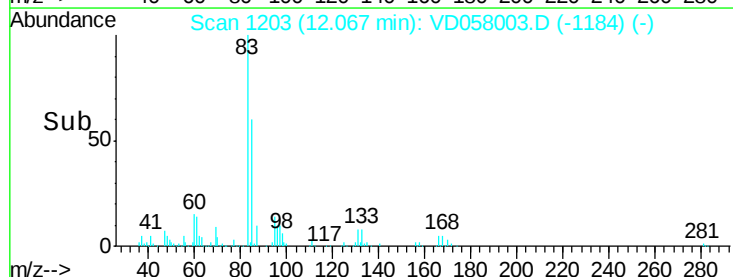
85 60.6 31.9 95.5

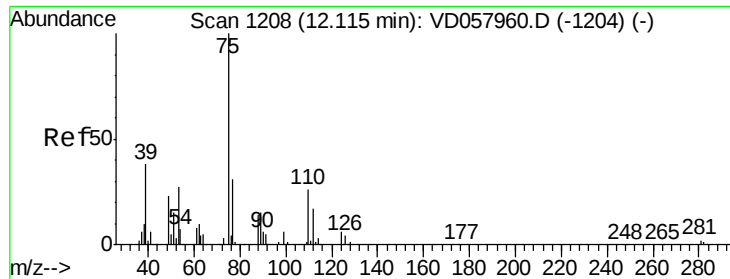


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

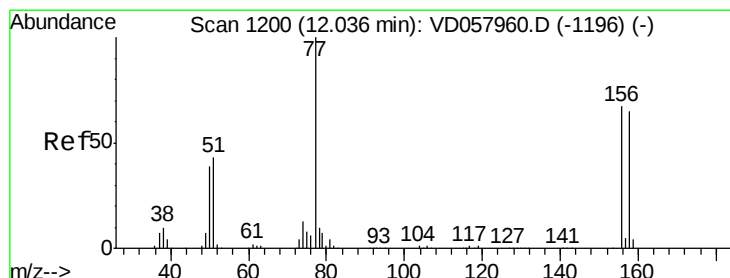
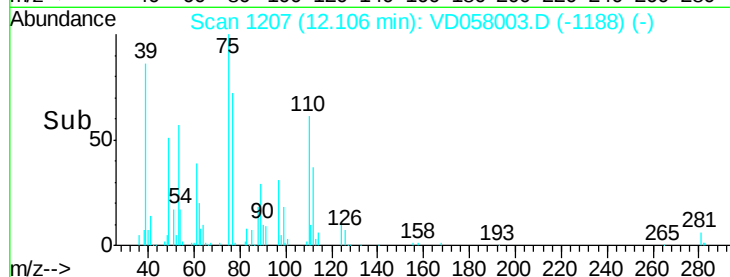
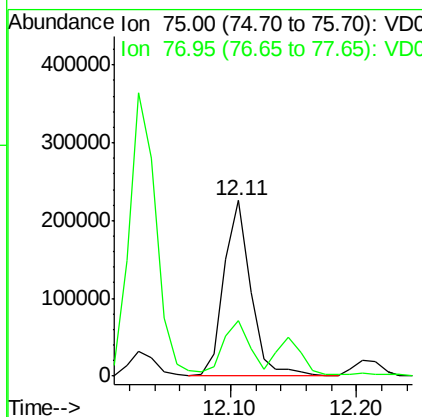
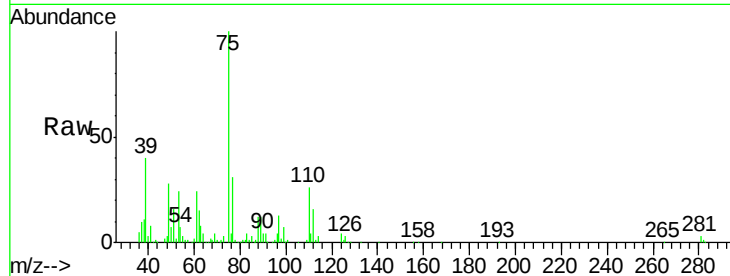




#76
 1,2,3-Trichloropropane
 Concen: 60.716 ug/l
 RT: 12.11 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

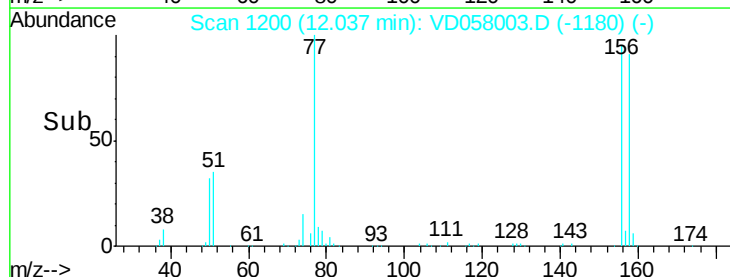
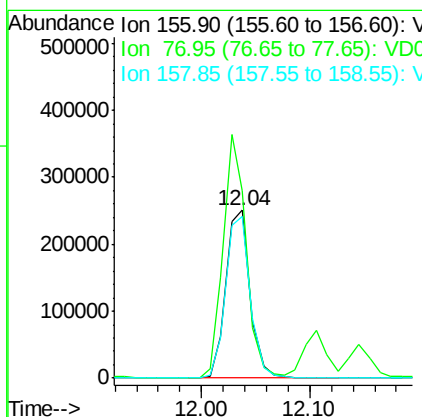
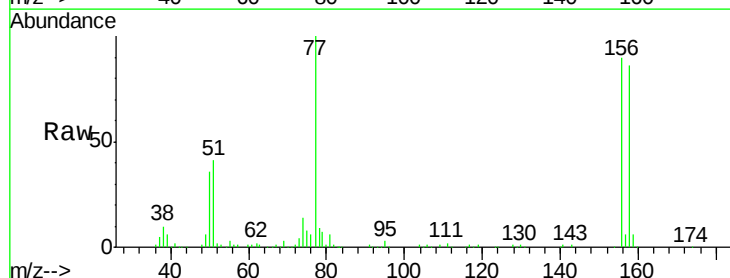
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

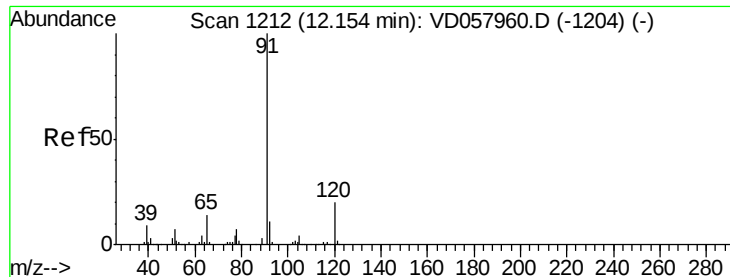
Tot Ion: 75 Resp: 331033
 Ion Ratio Lower Upper
 75 100
 77 31.4 16.7 50.1



#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 :

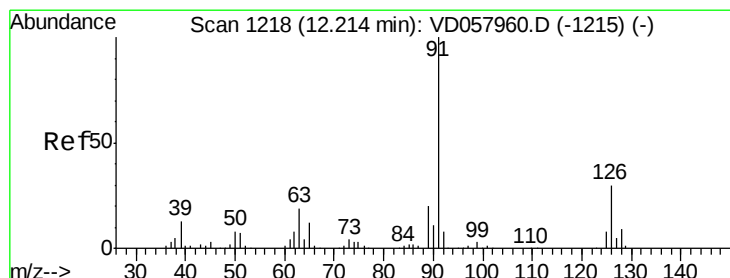
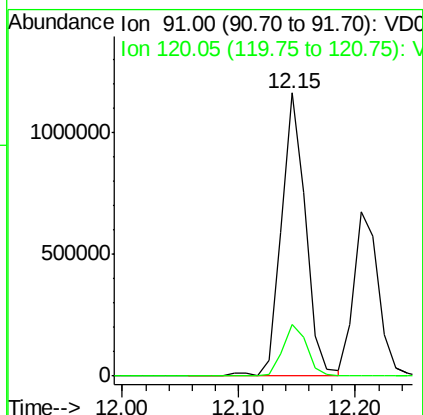
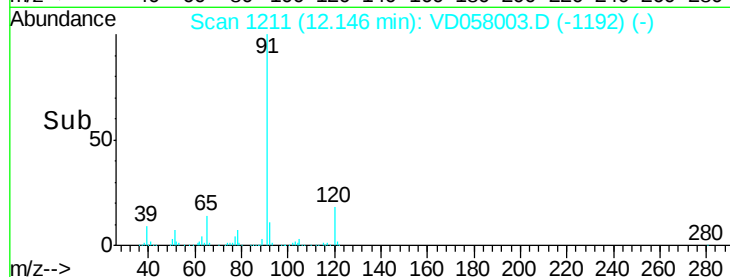
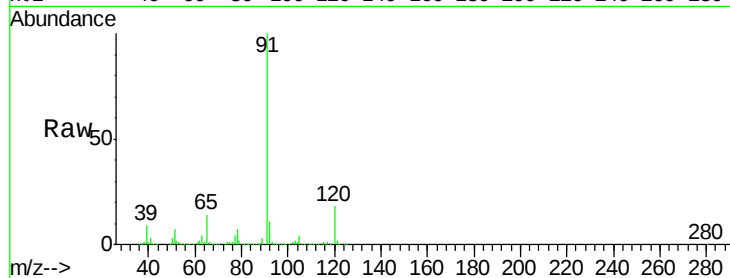
CAS1-SB-02-03-1-27MS

Tot 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

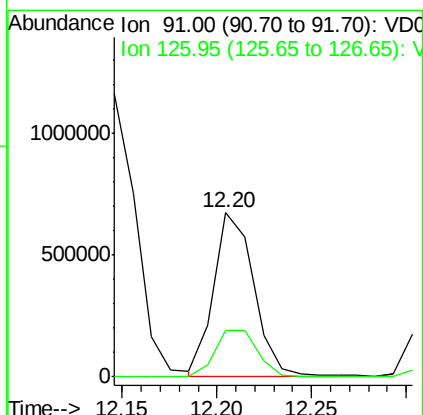
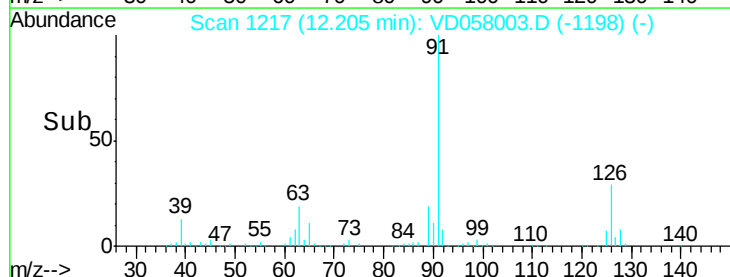
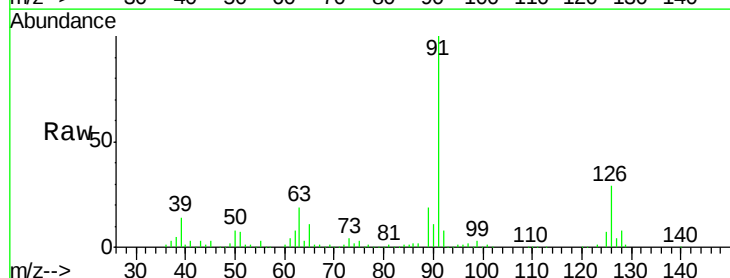
Acq: 8 Jun 2018 7:49

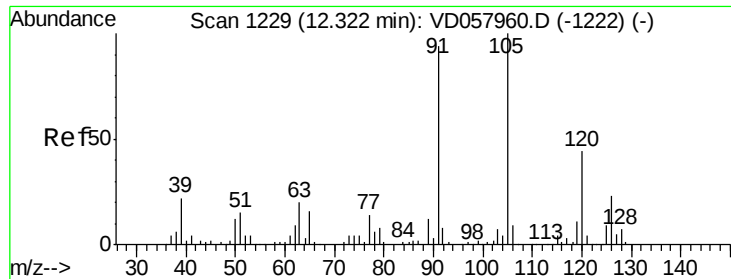
Tgt Ion: 91 Resp: 986216

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 :

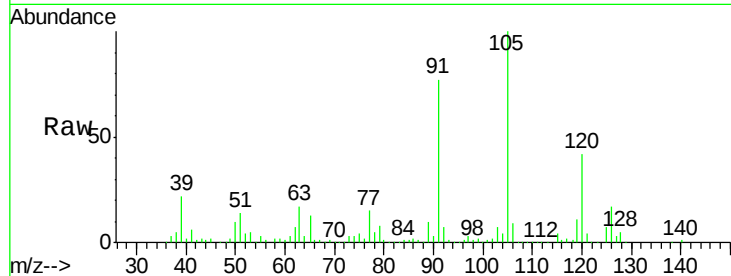
CAS1-SB-02-03-1-27MS

Tot Ion:105 Resp: 1045361

Ion Ratio Lower Upper

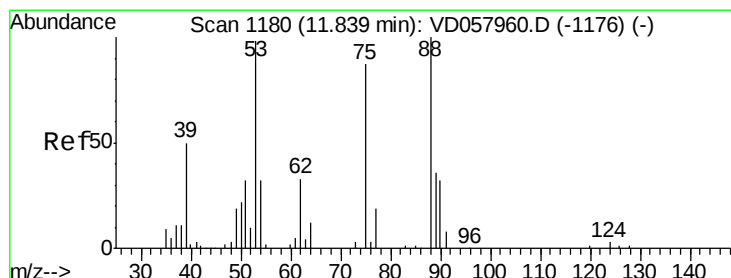
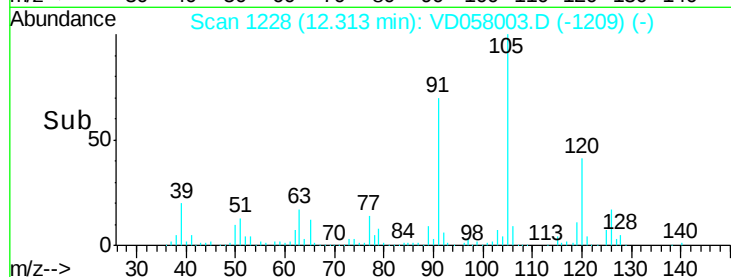
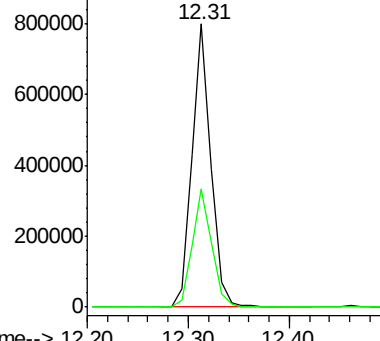
105 100

120 41.9 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#81

trans-1,4-Dichloro-2-butene

Concen: 53.371 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058003.D

Acq: 8 Jun 2018 7:49

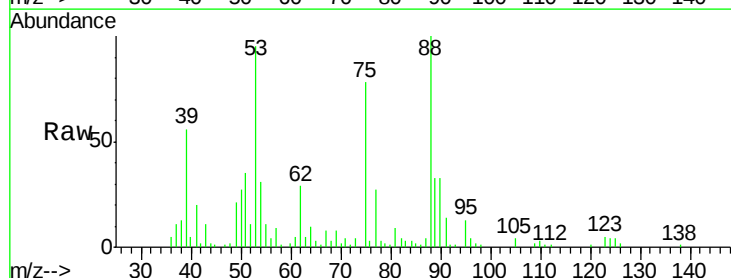
Tgt Ion: 75 Resp: 72073

Ion Ratio Lower Upper

75 100

53 120.8 89.3 133.9

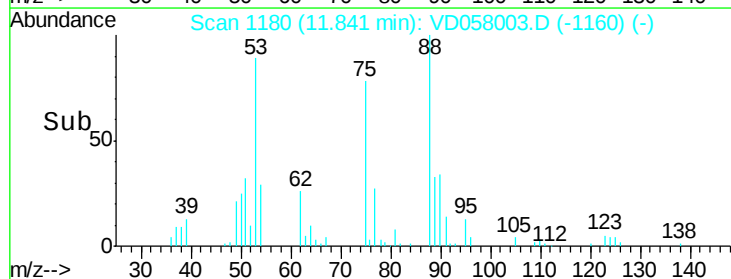
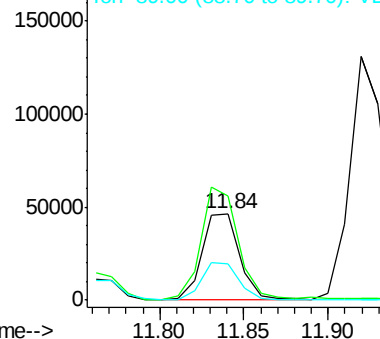
89 42.0 33.3 49.9

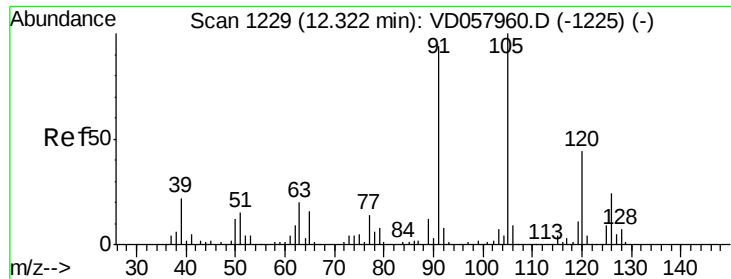


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#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 :

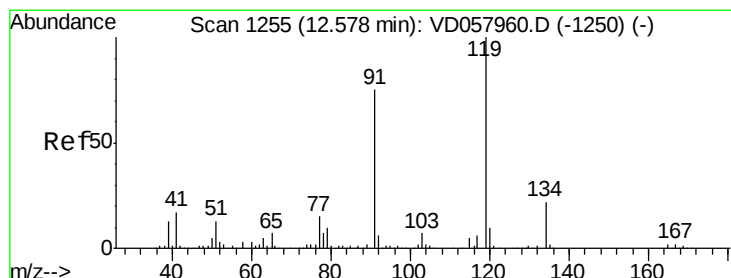
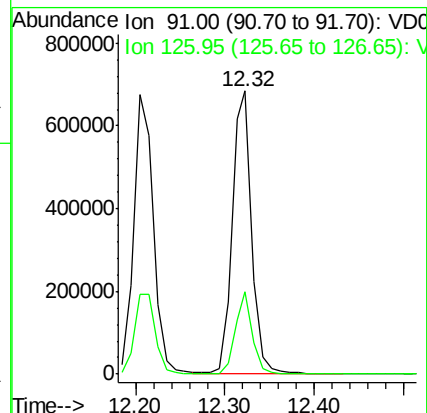
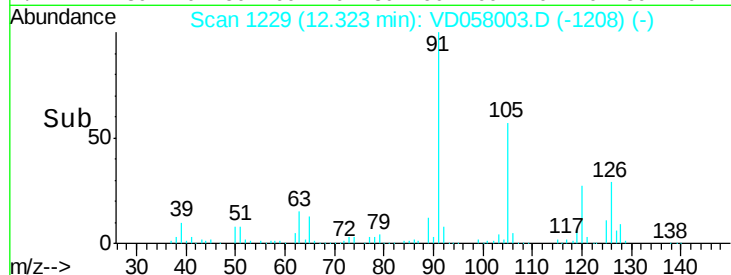
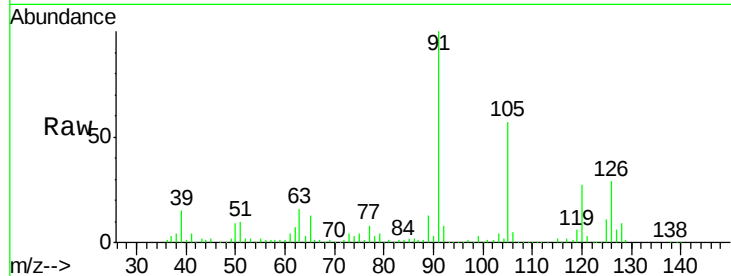
CAS1-SB-02-03-1-27MS

Tot 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

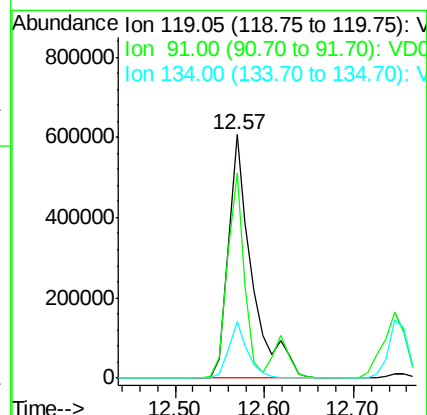
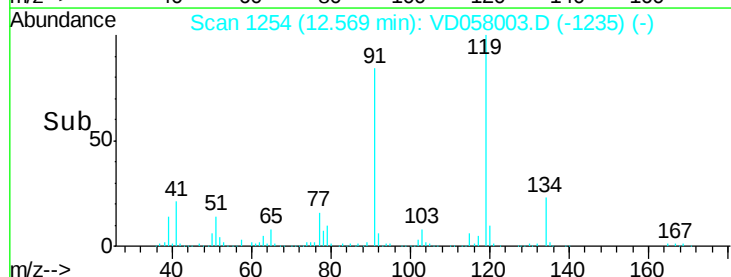
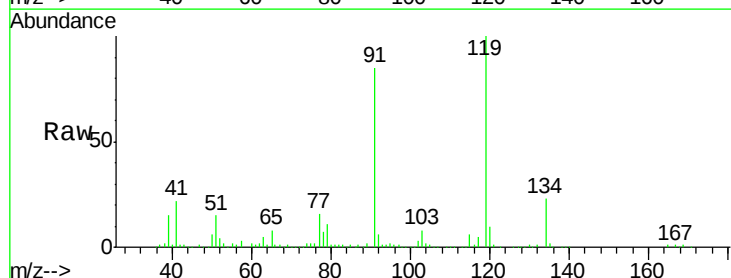
Tgt Ion: 119 Resp: 1135377

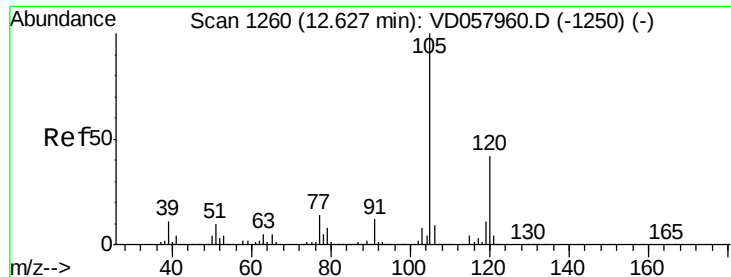
Ion Ratio Lower Upper

119 100

91 84.5 37.6 112.9

134 23.1 11.2 33.5

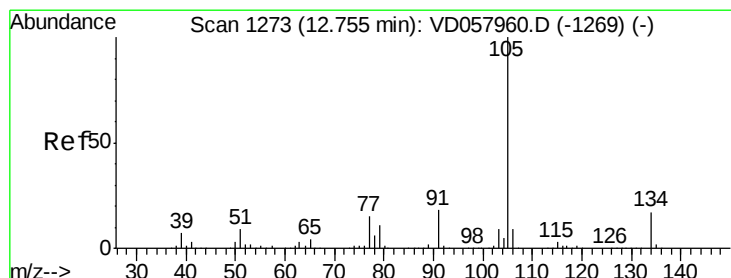
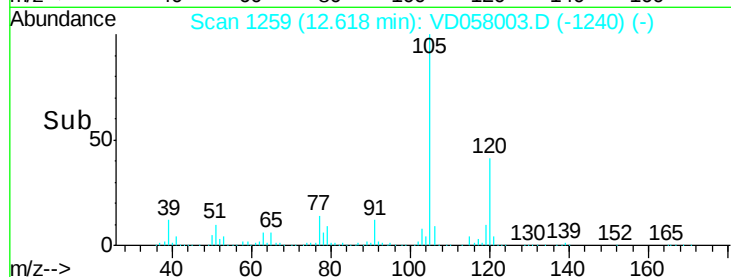
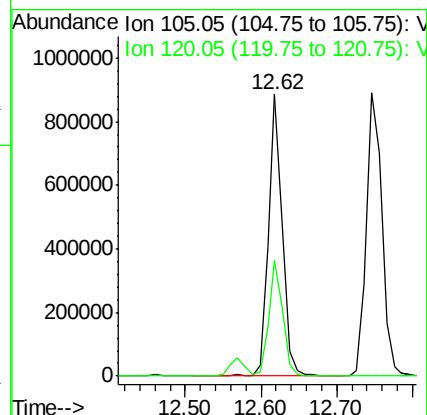
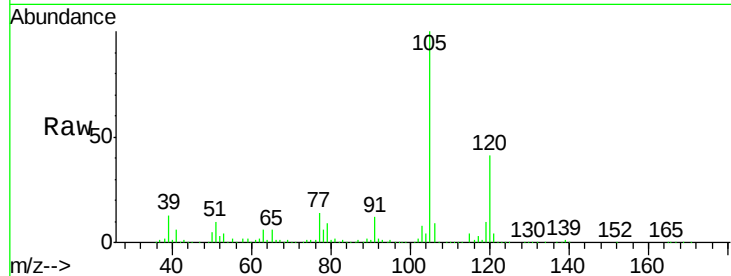




#84
 1,2,4-Trimethylbenzene
 Concen: 56.373 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

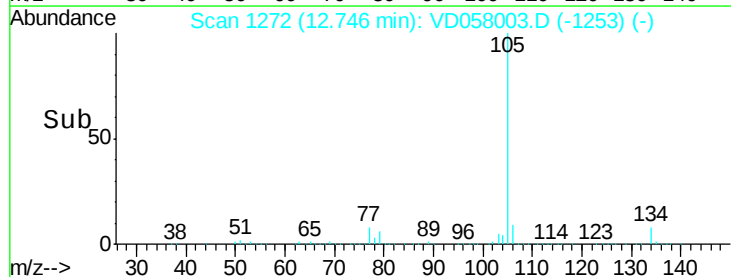
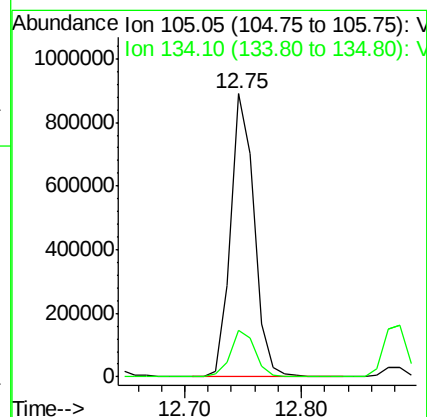
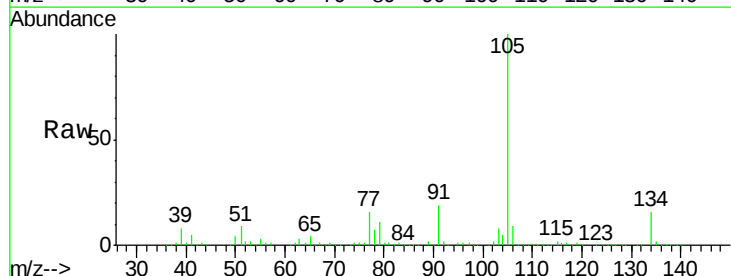
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

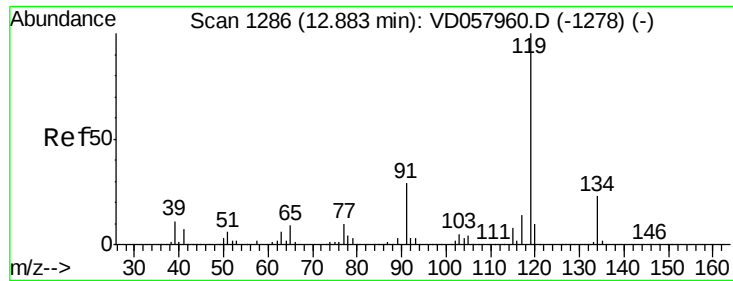
Tot Ion:105 Resp: 1136391
 Ion Ratio Lower Upper
 105 100
 120 41.0 21.2 63.6



#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

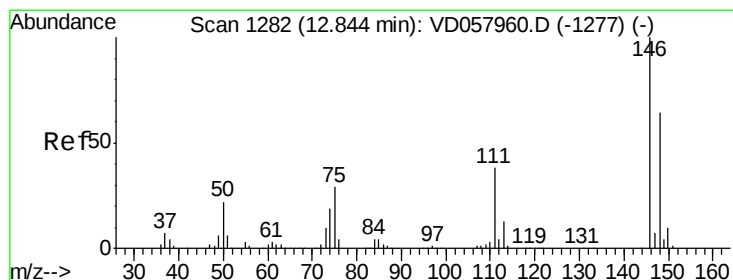
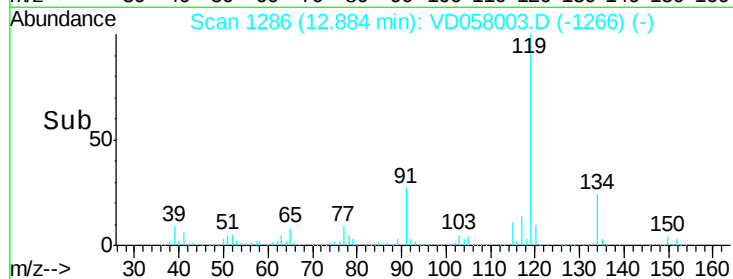
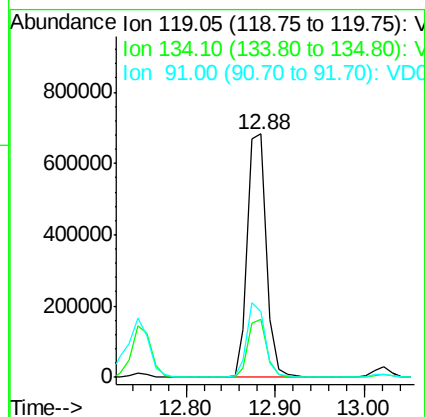
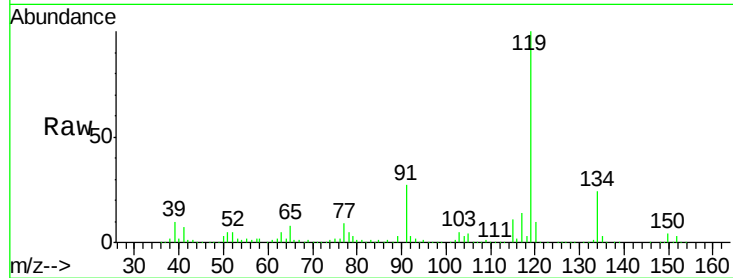




#86
 p-Isopropyltoluene
 Concen: 48.811 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

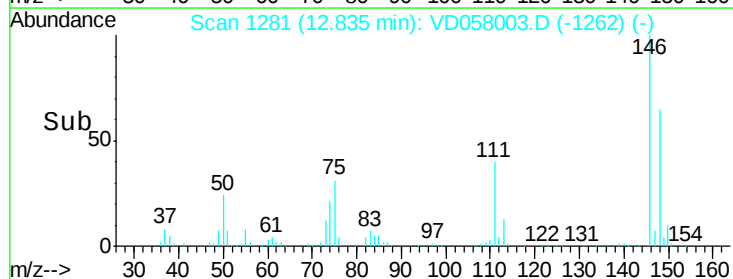
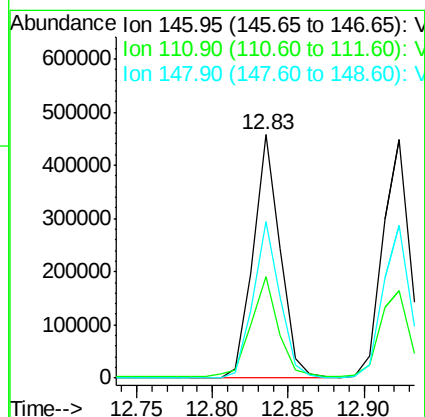
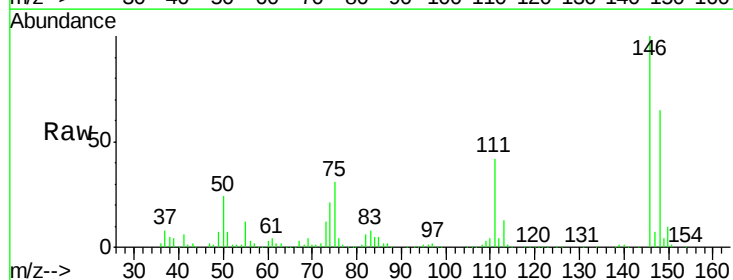
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

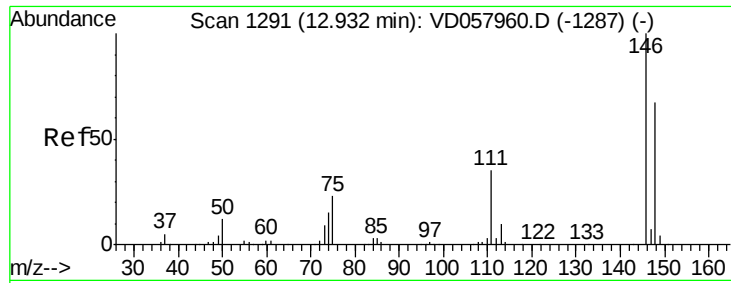
Tot Ion:119 Resp: 1005110
 Ion Ratio Lower Upper
 119 100
 134 24.0 11.5 34.4
 91 27.0 14.5 43.6



#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

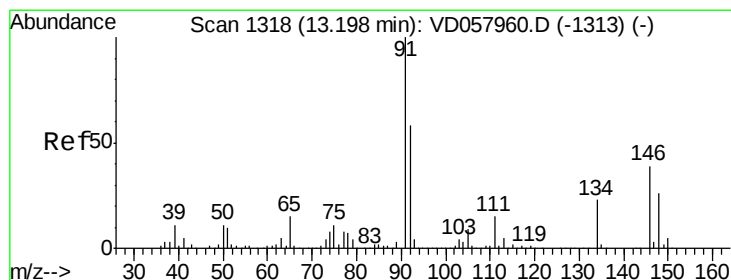
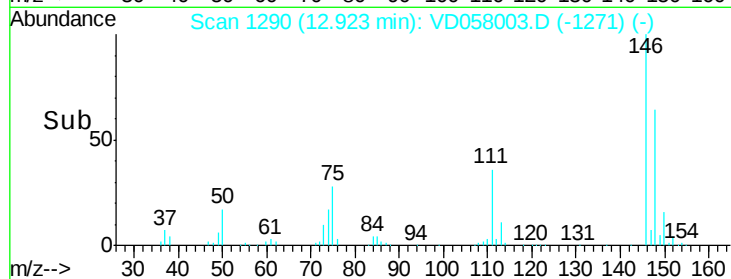
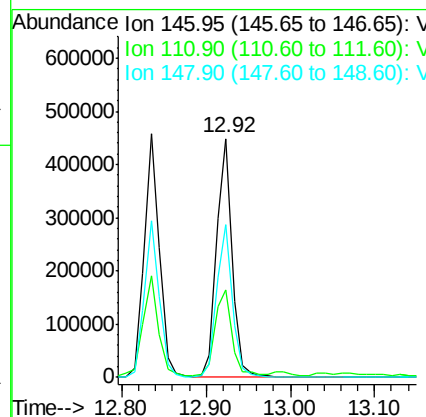
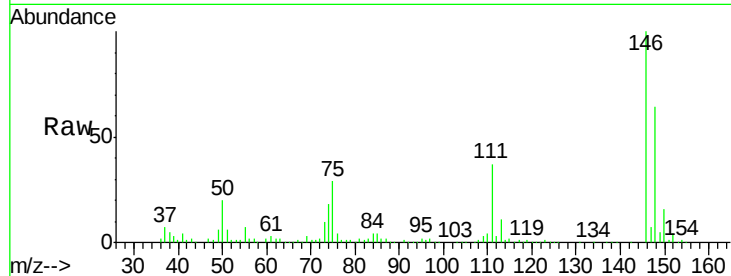




#88
 1,4-Dichlorobenzene
 Concen: 49.087 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

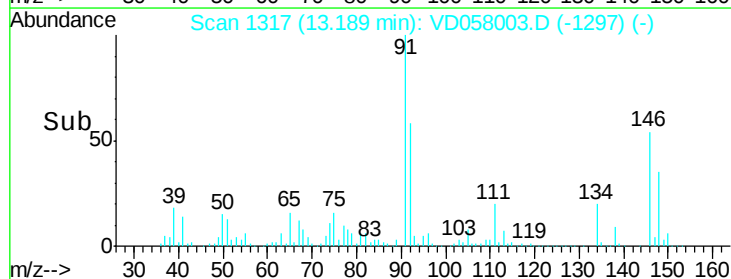
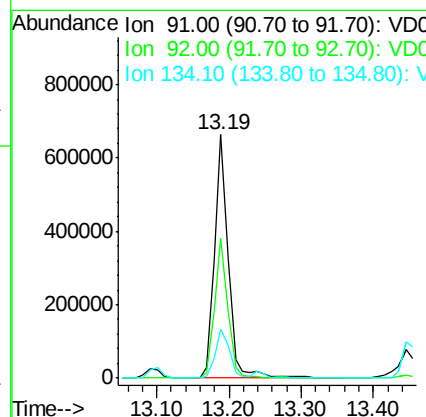
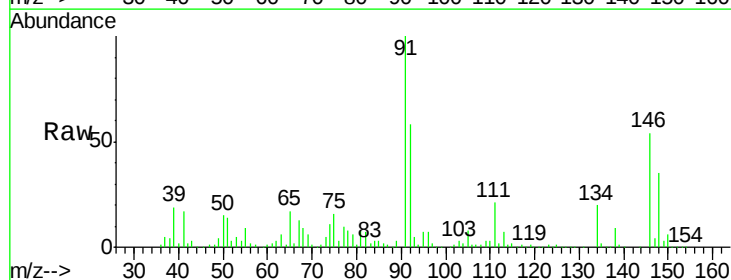
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

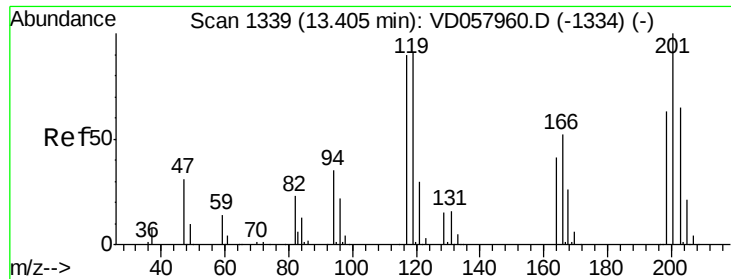
Tot Ion:146 Resp: 575712
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.3 52.0
 148 64.1 33.4 100.2



#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





#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 :

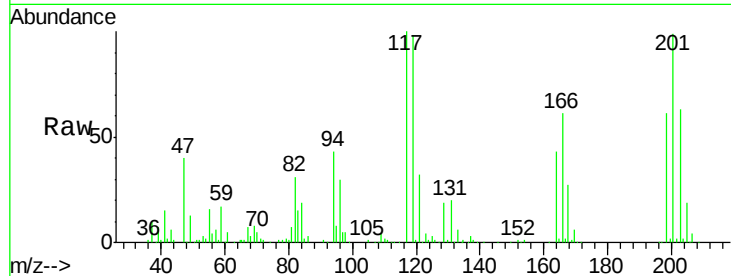
CAS1-SB-02-03-1-27MS

Tot Ion:117 Resp: 259143

Ion Ratio Lower Upper

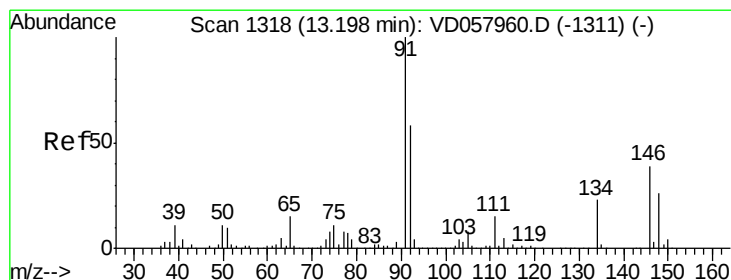
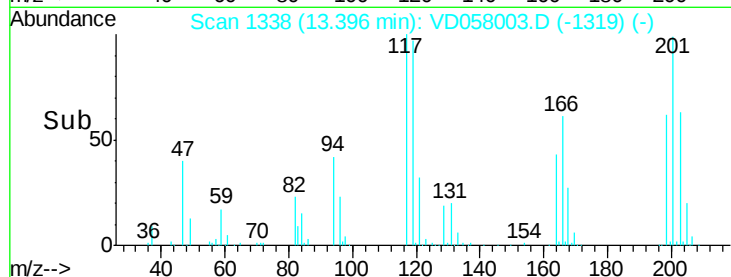
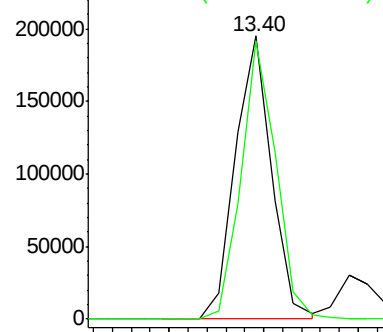
117 100

201 98.5 55.4 166.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 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

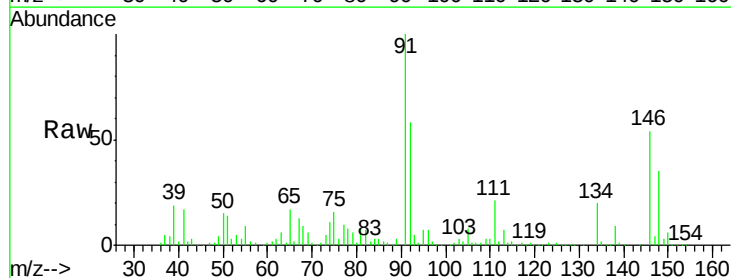
Tgt Ion:146 Resp: 497863

Ion Ratio Lower Upper

146 100

111 40.0 19.4 58.2

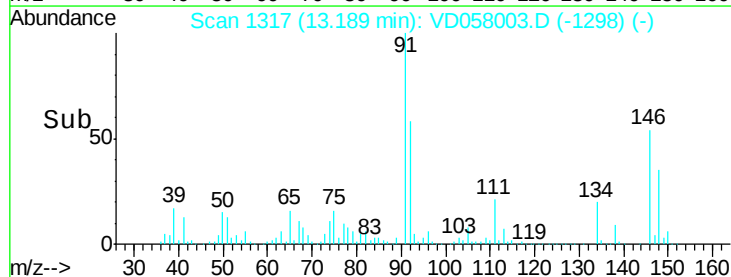
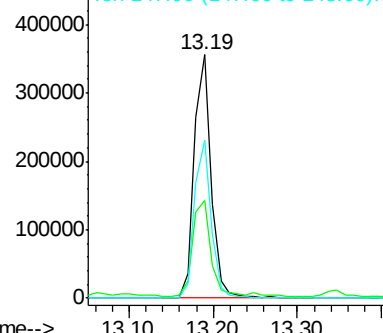
148 64.9 32.6 98.0

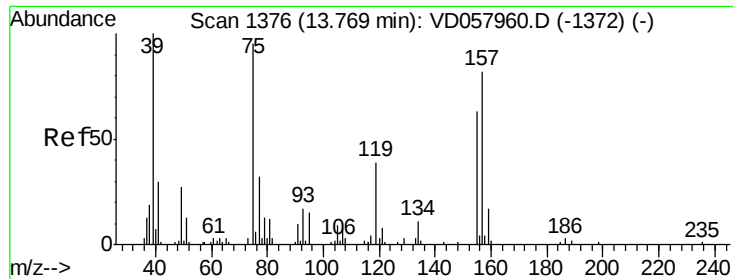


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

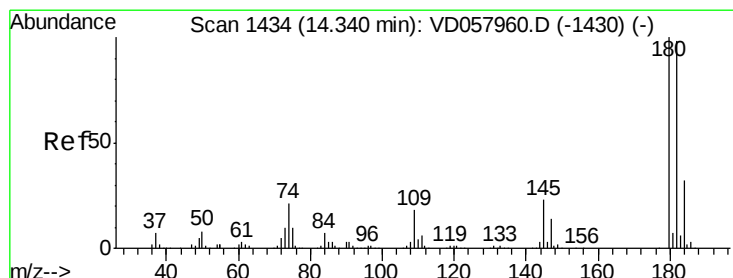
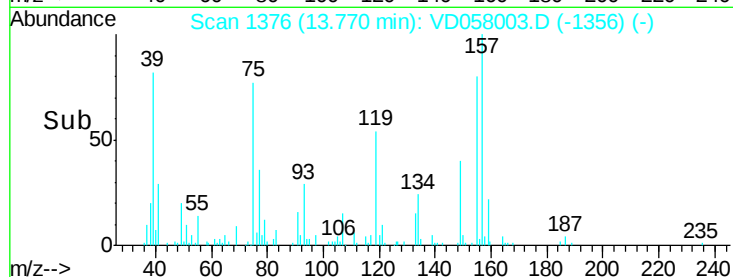
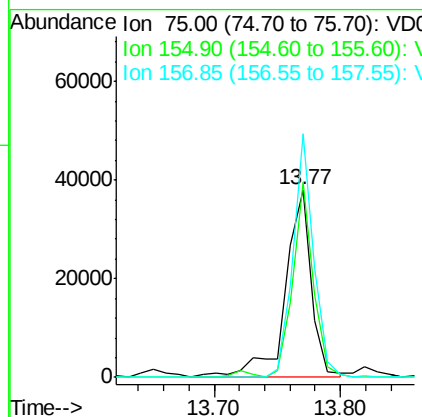
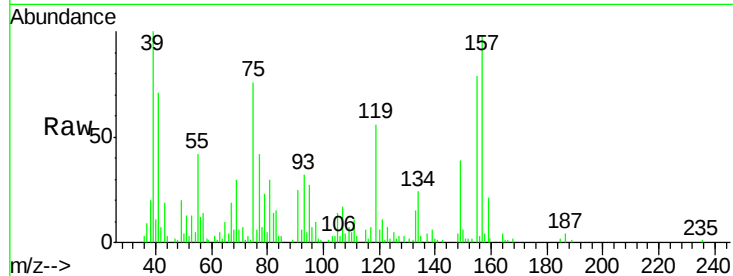




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.750 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD058003.D
 Acq: 8 Jun 2018 7:49

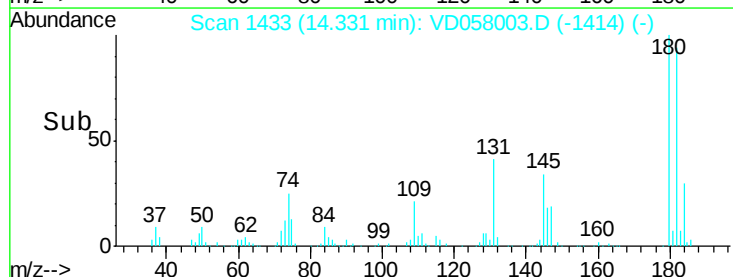
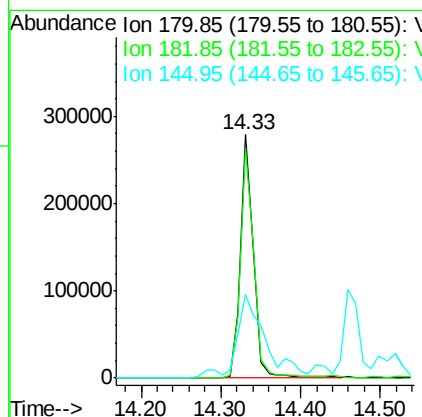
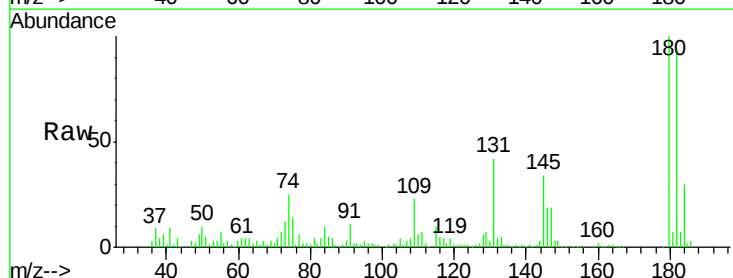
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

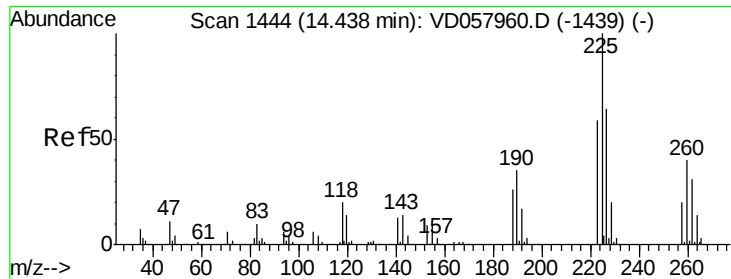
Tot Ion: 75 Resp: 54805
 Ion Ratio Lower Upper
 75 100
 155 103.9 33.4 100.1#
 157 130.0 42.9 128.5#



#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

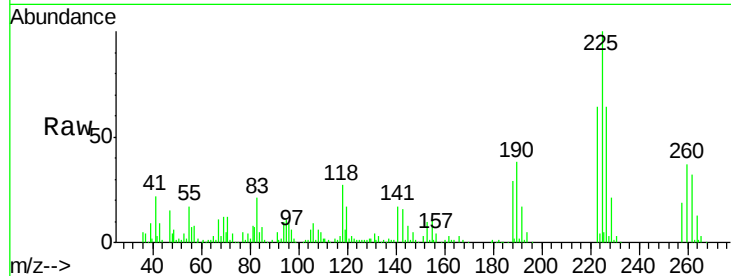
Tot Ion:225 Resp: 189734

Ion Ratio Lower Upper

225 100

223 63.7 29.5 88.6

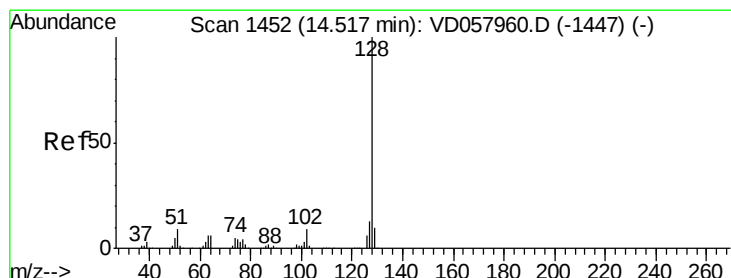
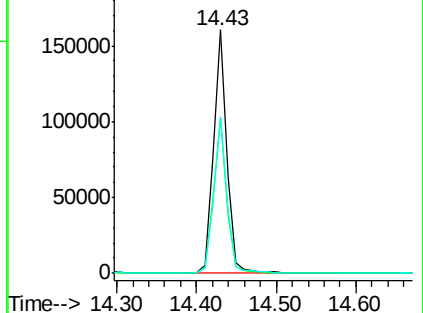
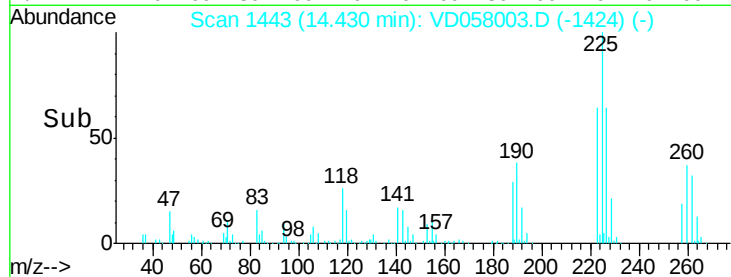
227 64.2 32.0 96.0



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

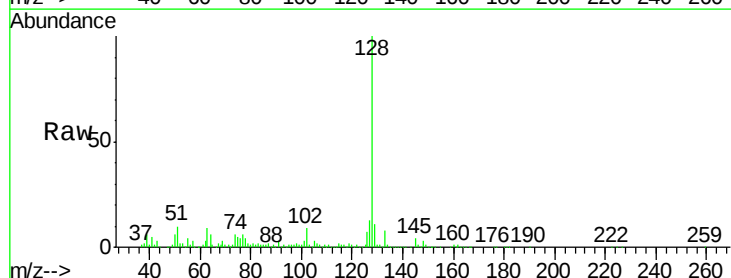
Tgt Ion:128 Resp: 523696

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

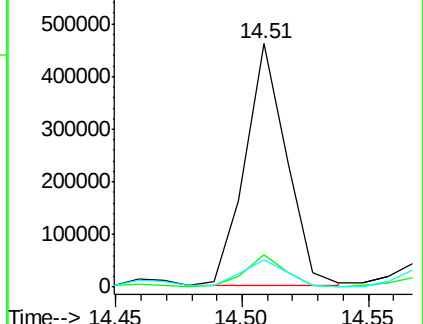
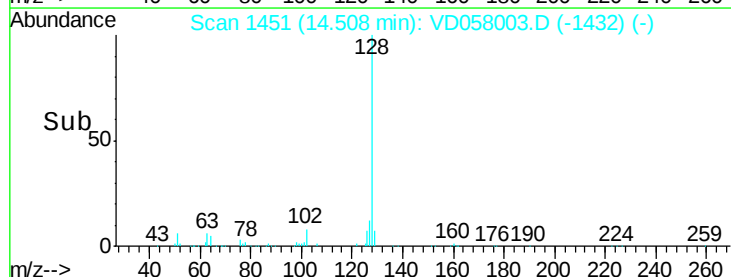
129 11.4 8.2 12.2

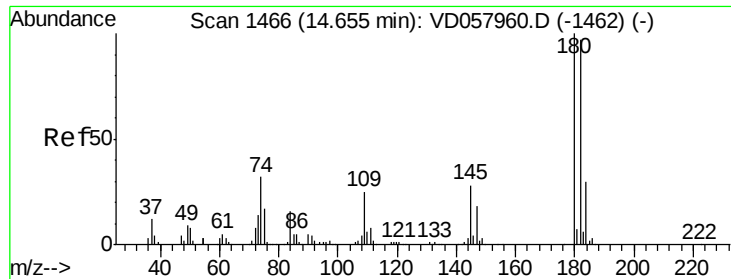


Abundance Ion 128.00 (127.70 to 128.70): V

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

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

