

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060569.D
 Acq On : 14 Dec 2018 13:16
 Operator : VA/AP
 Sample : VD1214SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:21:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1658417	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2326898	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1883895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	929445	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	588917	50.10	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	6.31	113	852538	49.88	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	9.44	98	2448942	49.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.42	95	861063	48.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	425849	23.498	ug/l	97
3) Chloromethane	1.78	50	385825	22.643	ug/l	97
4) Vinyl Chloride	1.87	62	318393	23.413	ug/l	94
5) Bromomethane	2.16	94	49732	14.618	ug/l	94
6) Chloroethane	2.27	64	78527	16.709	ug/l	92
7) Trichlorofluoromethane	2.52	101	330644	21.057	ug/l	100
8) Diethyl Ether	2.83	74	56586	20.863	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.10	101	228781	22.455	ug/l	98
10) Methyl Iodide	3.25	142	249702	20.967	ug/l	100
11) Tert butyl alcohol	3.96	59	41981	87.907	ug/l #	91
12) 1,1-Dichloroethene	3.09	96	178831	21.574	ug/l	93
13) Acrolein	2.99	56	49290	94.457	ug/l	91
14) Allyl chloride	3.54	41	346768	22.049	ug/l	97
15) Acrylonitrile	4.09	53	286294	105.580	ug/l	97
16) Acetone	3.17	43	189174	100.400	ug/l	96
17) Carbon Disulfide	3.32	76	582840	21.646	ug/l	100
18) Methyl Acetate	3.56	43	93755	20.936	ug/l	99
19) Methyl tert-butyl Ether	4.12	73	488034	21.230	ug/l	97
20) Methylene Chloride	3.73	84	385983	19.590	ug/l	96
21) trans-1,2-Dichloroethene	4.10	96	381640	21.165	ug/l	98
22) Diisopropyl ether	4.85	45	1169765	20.716	ug/l	98
23) Vinyl Acetate	4.80	43	2962121	105.877	ug/l	99
24) 1,1-Dichloroethane	4.75	63	615331	20.976	ug/l	99
25) 2-Butanone	5.62	43	376270	101.503	ug/l	96
26) 2,2-Dichloropropane	5.58	77	492479	21.732	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	387601	21.142	ug/l	98
28) Bromochloromethane	5.92	49	246076	18.936	ug/l	97
29) Tetrahydrofuran	5.94	42	221138	105.345	ug/l	98
30) Chloroform	6.09	83	615731	20.834	ug/l	94
31) Cyclohexane	6.35	56	579864	20.885	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	512412	21.091	ug/l	99
36) 1,1-Dichloropropene	6.51	75	476828	20.964	ug/l	96
37) Ethyl Acetate	5.69	43	207891	21.075	ug/l	99
38) Carbon Tetrachloride	6.49	117	433203	21.215	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	528202	20.371	ug/l	98
40) Benzene	6.79	78	1223667	21.051	ug/l	100
41) Methacrylonitrile	5.94	41	232730	43.767	ug/l #	69
42) 1,2-Dichloroethane	6.89	62	307606	20.813	ug/l	99
43) Isopropyl Acetate	8.33	43	241516	19.834	ug/l #	98
44) Trichloroethene	7.73	130	364279	20.969	ug/l	92
45) 1,2-Dichloropropane	8.09	63	290936	20.237	ug/l	95
46) Dibromomethane	8.20	93	173267	20.859	ug/l	97
47) Bromodichloromethane	8.48	83	401368	20.365	ug/l	99
48) Methyl methacrylate	8.23	41	150701	20.917	ug/l	99
49) 1,4-Dioxane	8.21	88	26564	406.803	ug/l	91
51) 4-Methyl-2-Pentanone	9.33	43	783581	103.452	ug/l	99
52) Toluene	9.53	92	753861	20.749	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	340335	21.015	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	441134	20.732	ug/l	97
55) 1,1,2-Trichloroethane	10.16	97	208611	20.618	ug/l	97
56) Ethyl methacrylate	10.02	69	192604	21.034	ug/l	99
57) 1,3-Dichloropropane	10.37	76	326030	20.845	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	619173	113.009	ug/l	99
59) 2-Hexanone	10.48	43	545915	103.114	ug/l	99
60) Dibromochloromethane	10.63	129	261354	20.660	ug/l	98
61) 1,2-Dibromoethane	10.74	107	215071	20.858	ug/l	100
64) Tetrachloroethene	10.24	164	335662	20.122	ug/l	98
65) Chlorobenzene	11.30	112	817444	20.510	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	272887	21.243	ug/l	99
67) Ethyl Benzene	11.41	91	1433267	21.083	ug/l	97
68) m/p-Xylenes	11.55	106	1047178	41.638	ug/l	95
69) o-Xylene	11.92	106	492029	20.529	ug/l	97
70) Styrene	11.94	104	799274	20.776	ug/l	100
71) Bromoform	12.10	173	168502	19.661	ug/l	99
73) Isopropylbenzene	12.27	105	1391024	21.150	ug/l	98
74) N-amyl acetate	12.12	43	314730	19.800	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	215825	20.497	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	220130	20.903	ug/l	98
77) Bromobenzene	12.52	156	365111	21.119	ug/l	92
78) n-propylbenzene	12.62	91	1752481	21.079	ug/l	97
79) 2-Chlorotoluene	12.69	91	943438	20.912	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	1081846	21.526	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	58864	20.041	ug/l	92
82) 4-Chlorotoluene	12.80	91	1073599	21.188	ug/l	98
83) tert-Butylbenzene	13.04	119	1209389	21.462	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1091037	20.966	ug/l	99
85) sec-Butylbenzene	13.21	105	1449053	20.632	ug/l	95
86) p-Isopropyltoluene	13.33	119	1210595	21.744	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	661824	21.143	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	642165	20.912	ug/l	97
89) n-Butylbenzene	13.64	91	1241273	20.020	ug/l	97
90) Hexachloroethane	13.84	117	288557	20.672	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	550876	21.535	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	24215	18.980	ug/l	69

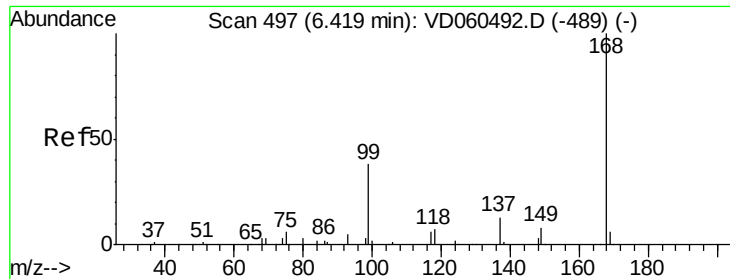
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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	404005	20.203	ug/l	97
94) Hexachlorobutadiene	14.87	225	304470	20.636	ug/l	99
95) Naphthalene	14.96	128	477252	20.061	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	326869	20.514	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

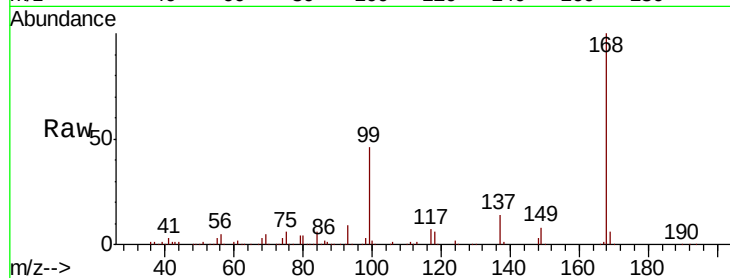
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1658417

Ion Ratio Lower Upper

168 100

99 45.7 35.6 53.4

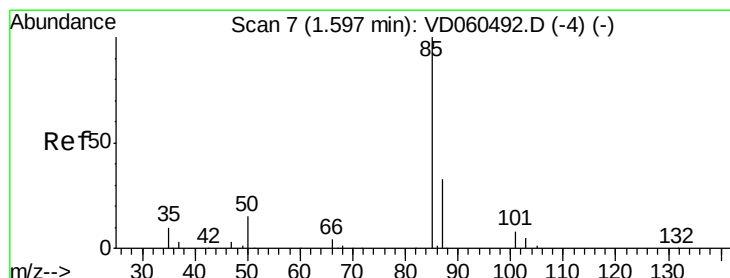
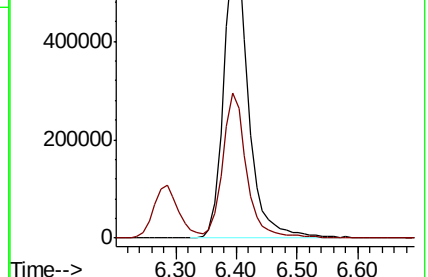
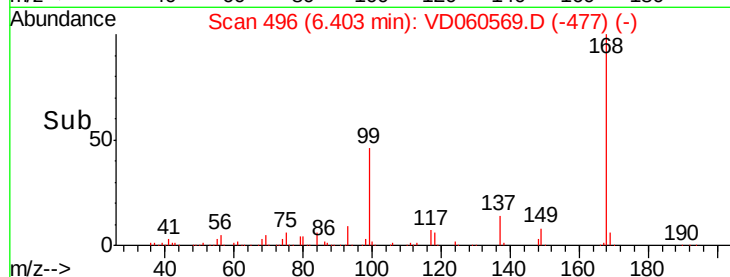


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 23.498 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060569.D

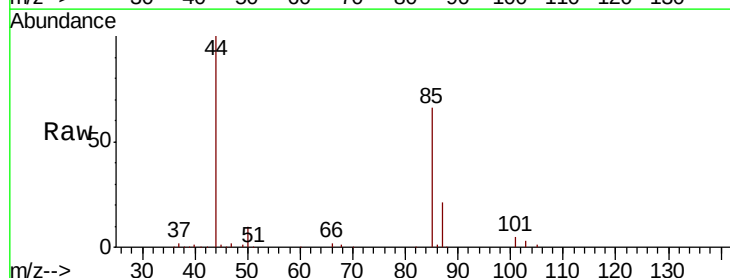
Acq: 14 Dec 2018 13:16

Tgt Ion: 85 Resp: 425849

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.0

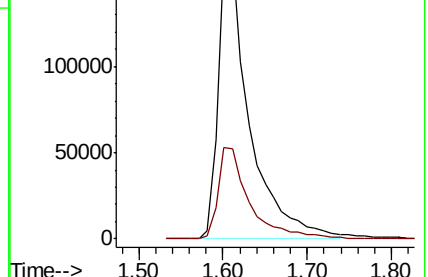
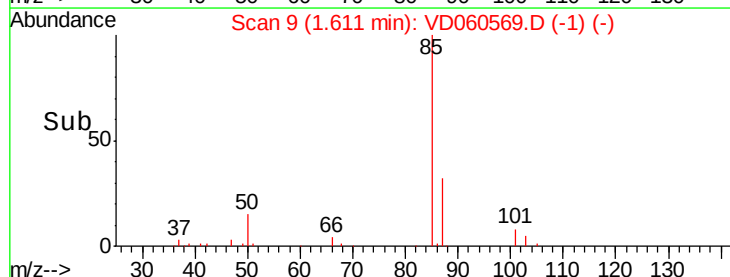


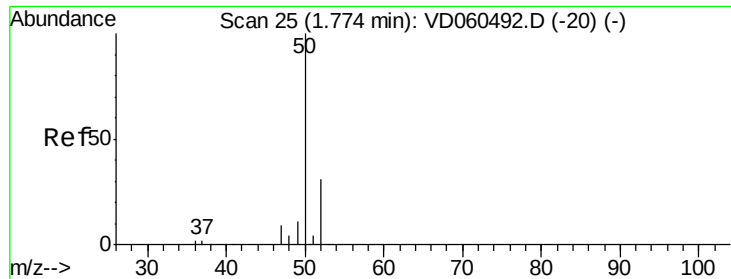
Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 22.643 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

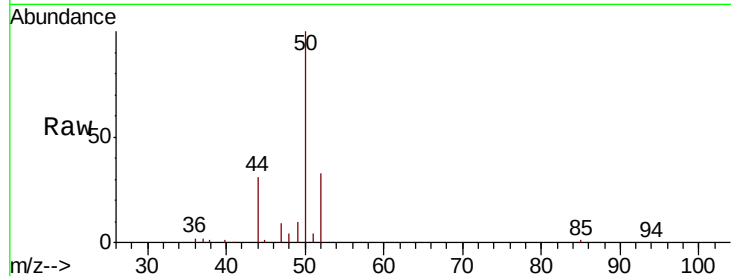
ClientSampleId :

Tot Ion: 50 Resp: 385825

Ion Ratio Lower Upper

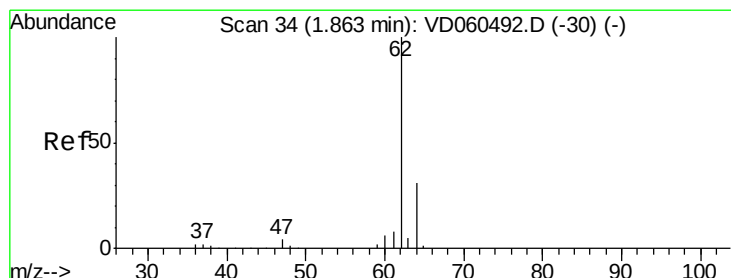
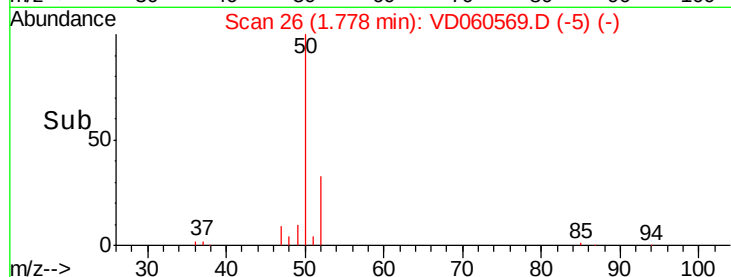
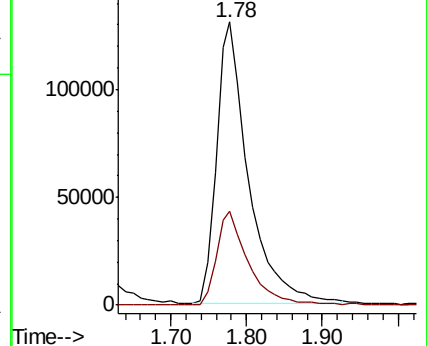
50 100

52 33.1 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.413 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060569.D

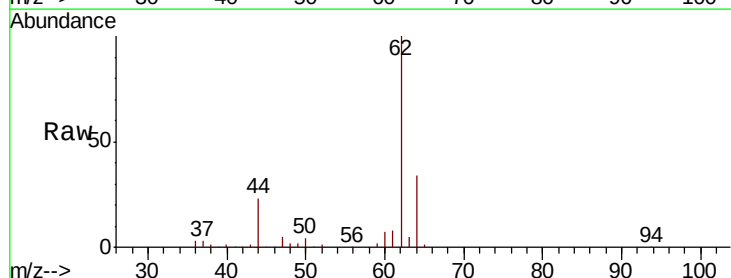
Acq: 14 Dec 2018 13:16

Tgt Ion: 62 Resp: 318393

Ion Ratio Lower Upper

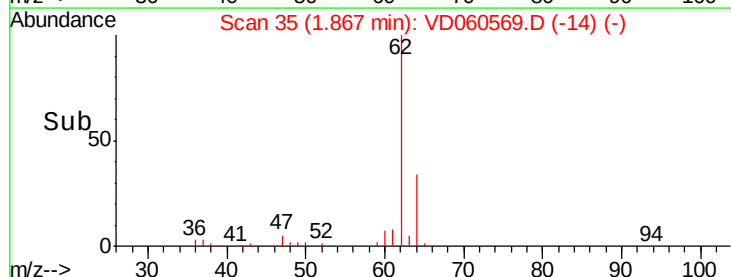
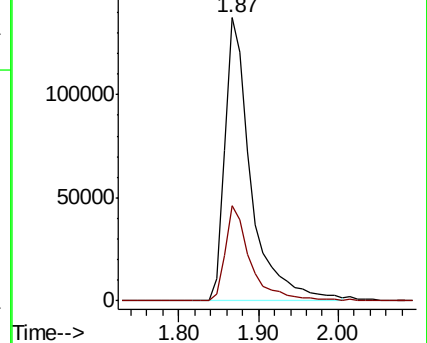
62 100

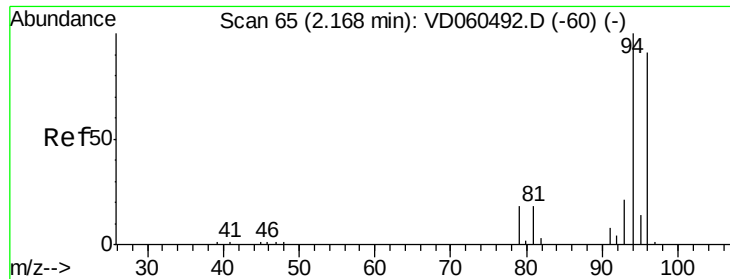
64 33.8 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

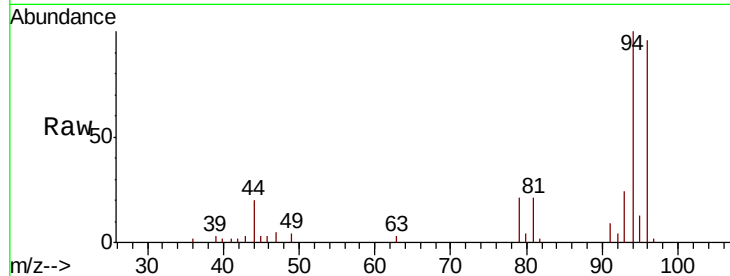




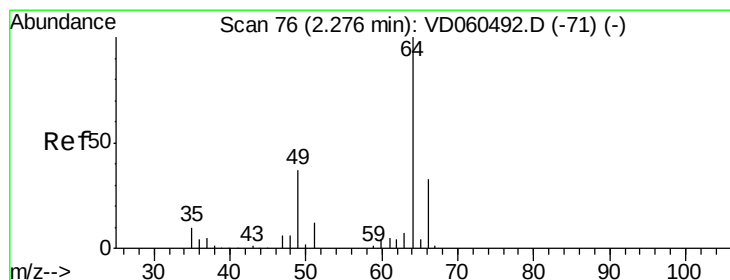
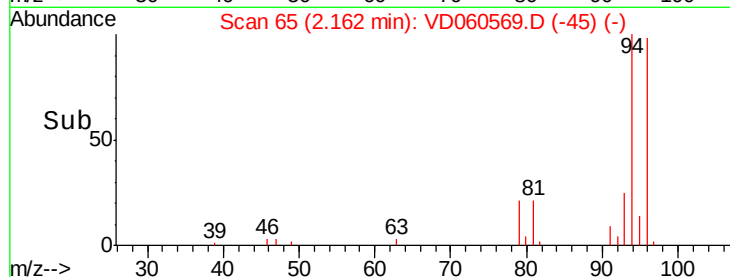
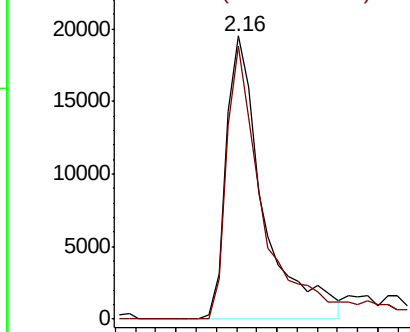
#5
Bromomethane
Concen: 14.618 ug/l
RT: 2.16 min Scan# 65
Delta R.T. -0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 49732
Ion Ratio Lower Upper
94 100
96 96.3 72.6 108.8

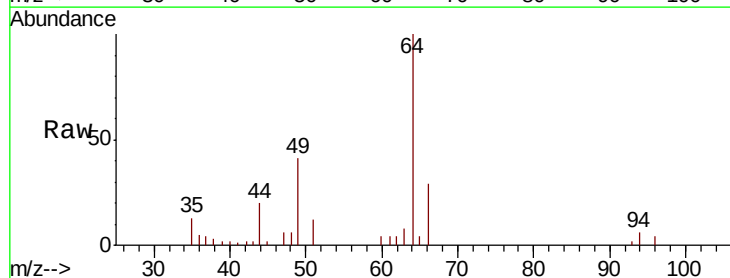


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

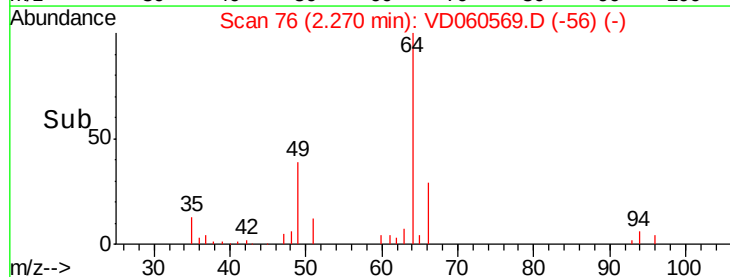
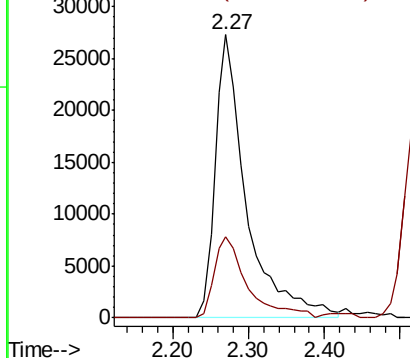


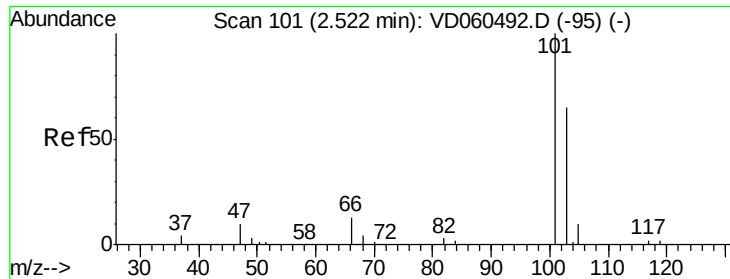
#6
Chloroethane
Concen: 16.709 ug/l
RT: 2.27 min Scan# 76
Delta R.T. -0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 64 Resp: 78527
Ion Ratio Lower Upper
64 100
66 28.5 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



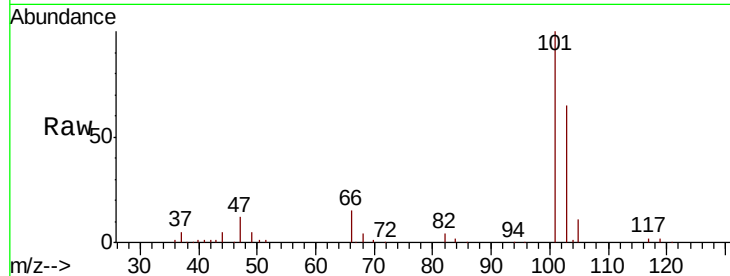


#7

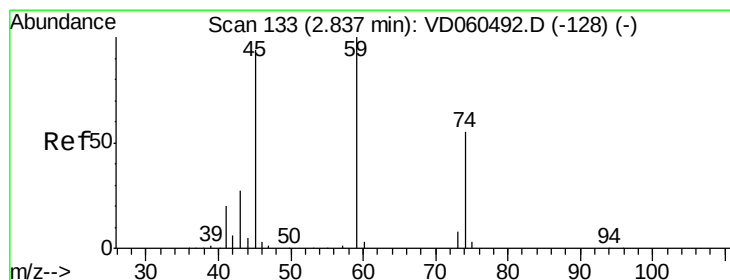
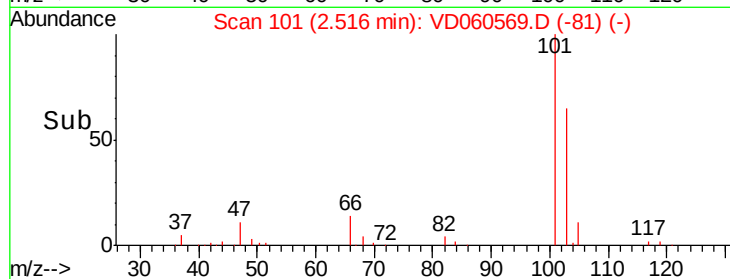
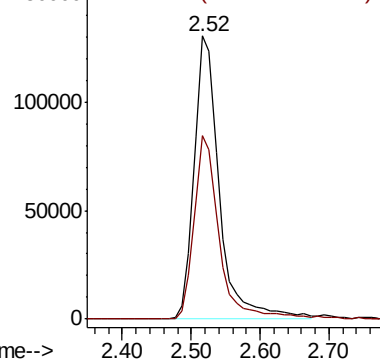
Trichlorofluoromethane
 Concen: 21.057 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:101 Resp: 330644
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.8 77.8



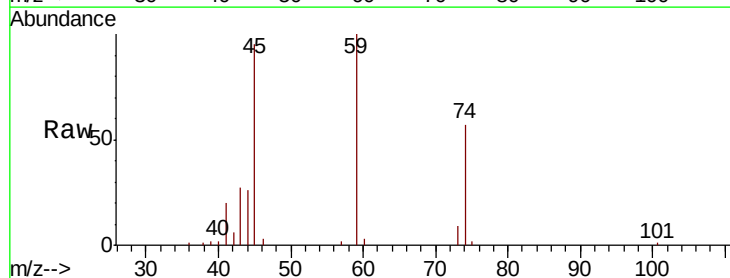
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



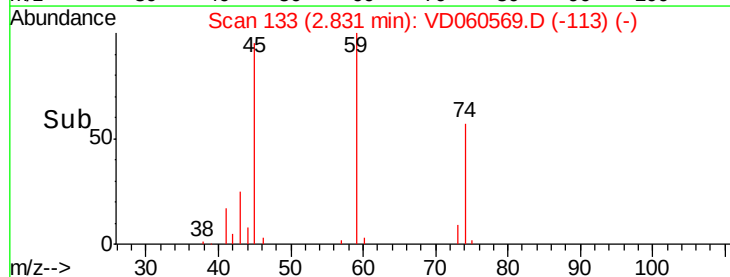
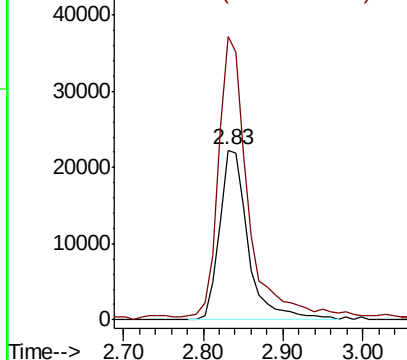
#8

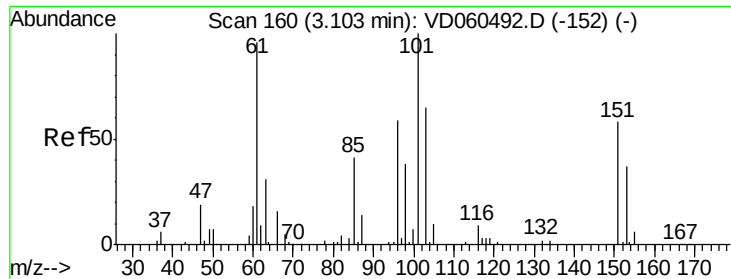
Diethyl Ether
 Concen: 20.863 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 74 Resp: 56586
 Ion Ratio Lower Upper
 74 100
 45 167.0 86.0 258.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.455 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampled :

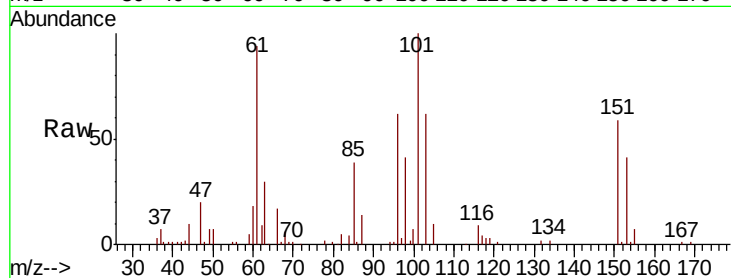
Tot Ion:101 Resp: 228781

Ion Ratio Lower Upper

101 100

85 39.1 32.7 49.1

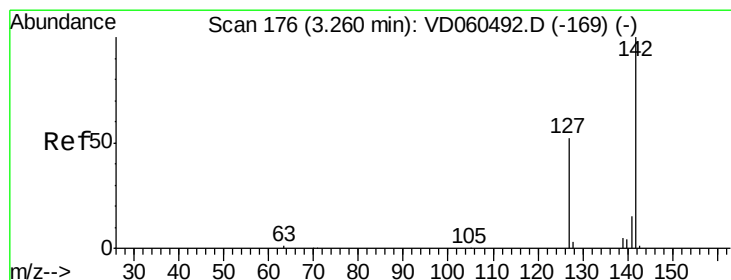
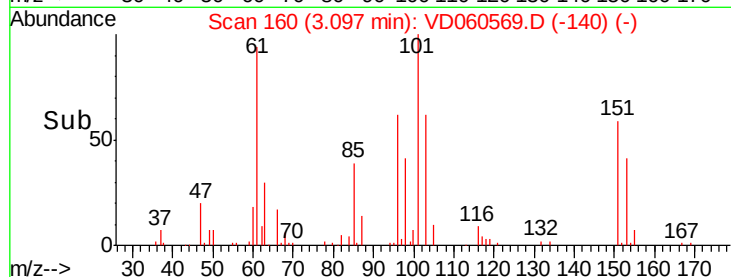
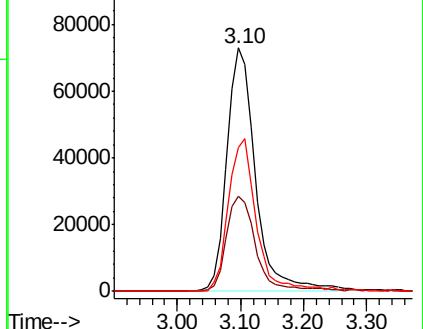
151 59.1 46.6 69.8



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: 20.967 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

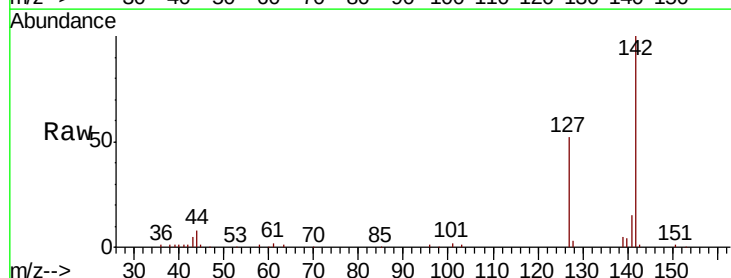
Tgt Ion:142 Resp: 249702

Ion Ratio Lower Upper

142 100

127 51.7 41.2 61.8

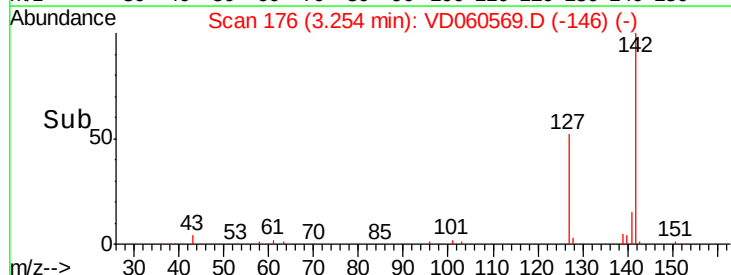
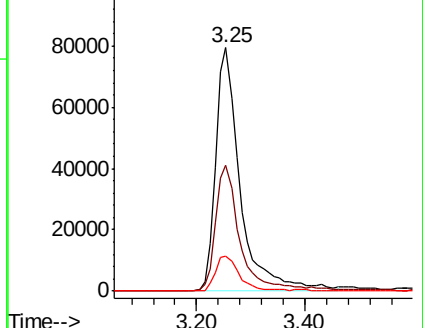
141 14.5 11.9 17.9

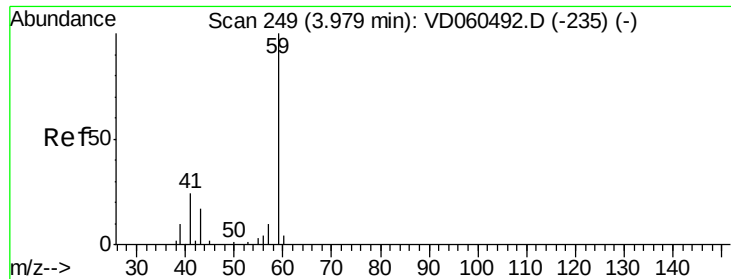


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

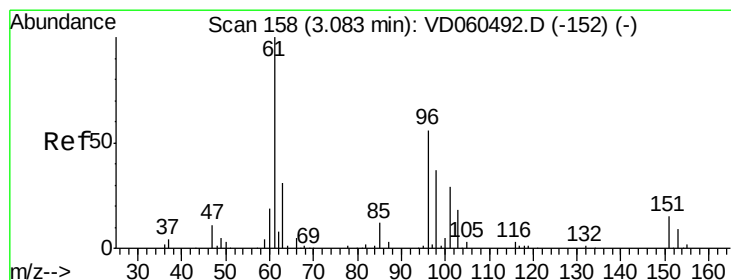
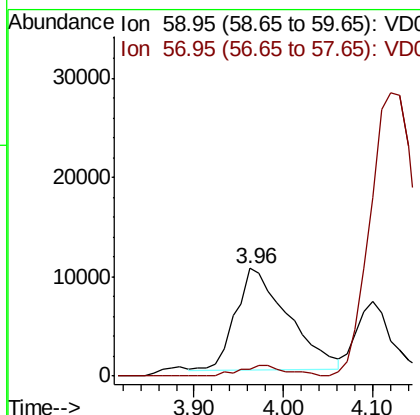
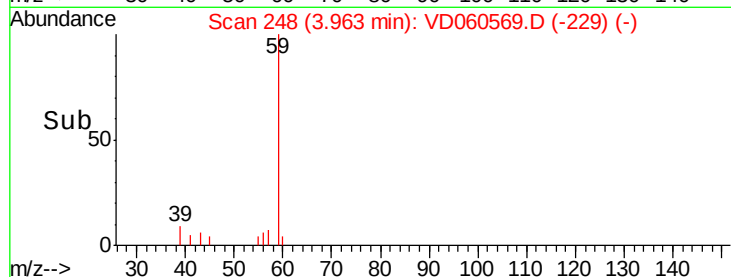
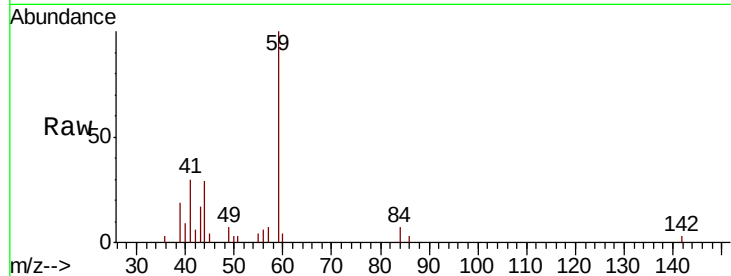




#11
Tert butyl alcohol
Concen: 87.907 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

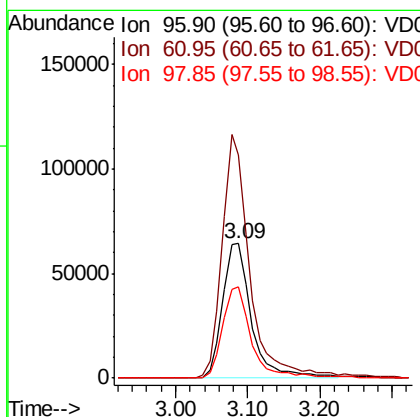
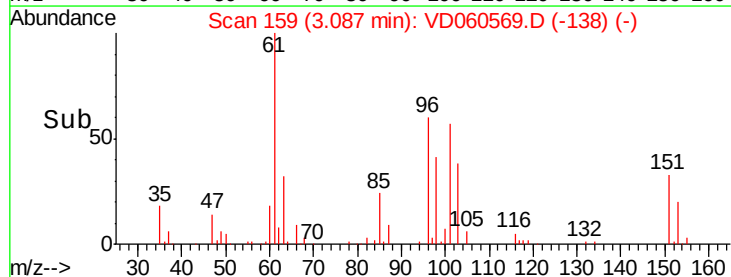
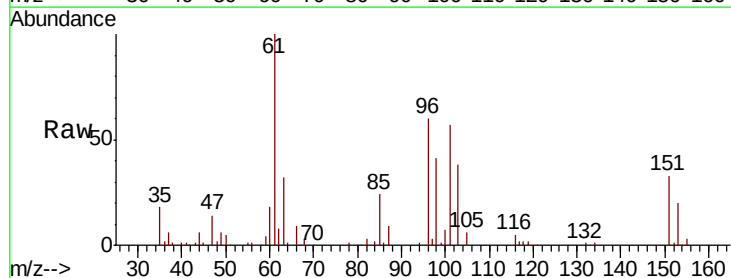
Instrument :
MSVOA_D
ClientSampleId :

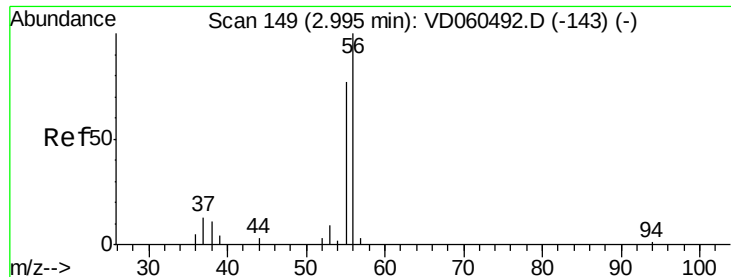
Tot Ion: 59 Resp: 41981
Ion Ratio Lower Upper
59 100
57 6.8 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 21.574 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 96 Resp: 178831
Ion Ratio Lower Upper
96 100
61 166.2 143.0 214.4
98 68.3 53.4 80.0





#13

Acrolein

Concen: 94.457 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

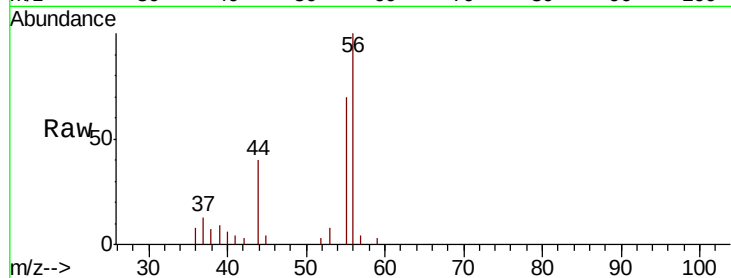
ClientSampleId :

Tot Ion: 56 Resp: 49290

Ion Ratio Lower Upper

56 100

55 69.7 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.99

15000

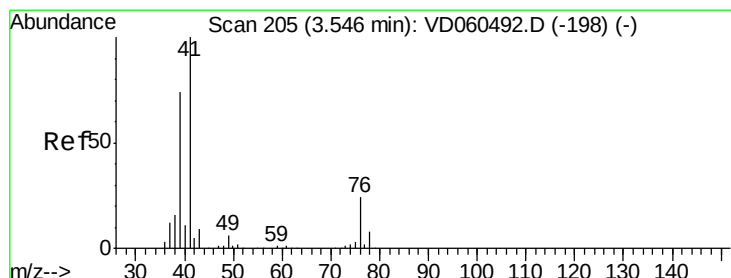
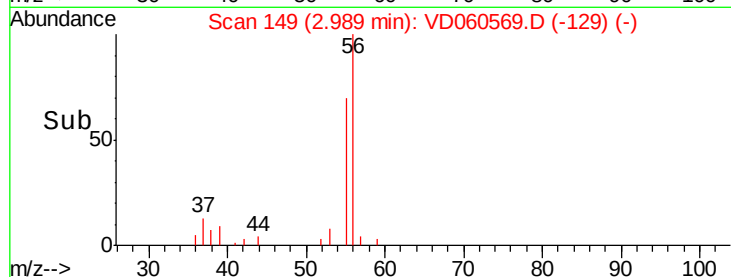
10000

5000

0

2.90 3.00 3.10 3.20

Time-->



#14

Allyl chloride

Concen: 22.049 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

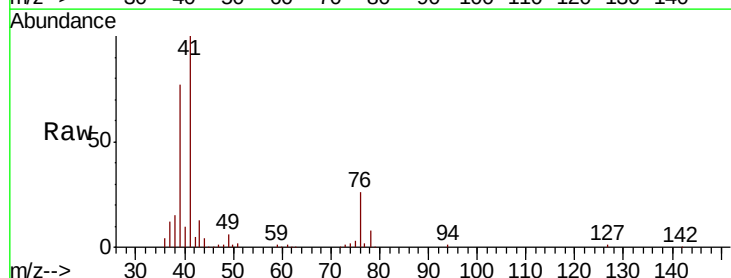
Tgt Ion: 41 Resp: 346768

Ion Ratio Lower Upper

41 100

39 77.4 59.3 88.9

76 26.0 21.0 31.6



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

150000

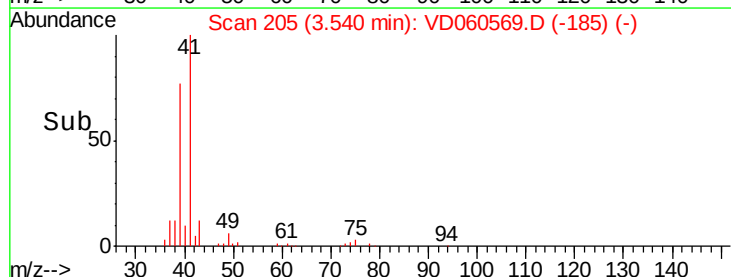
100000

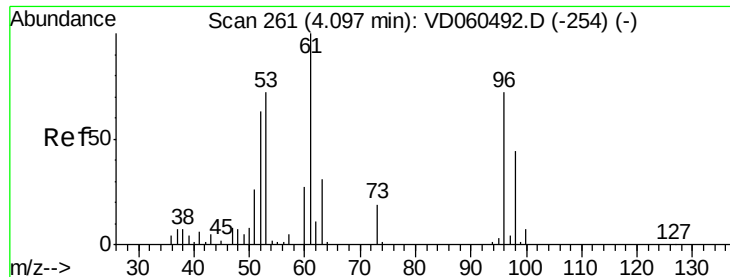
50000

0

3.40 3.50 3.60 3.70

Time-->





#15

Acrylonitrile

Concen: 105.580 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

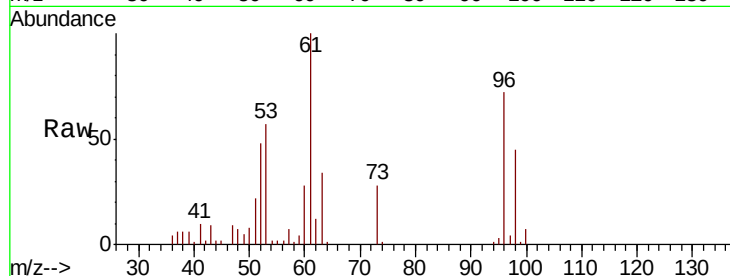
Tot Ion: 53 Resp: 286294

Ion Ratio Lower Upper

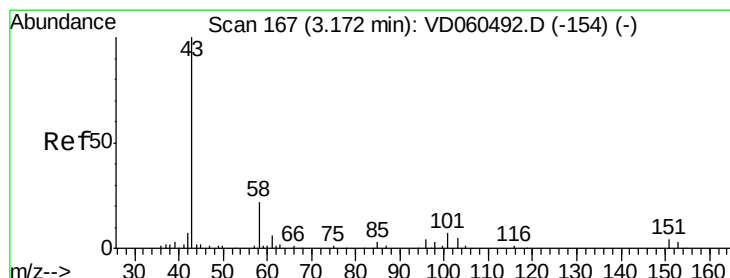
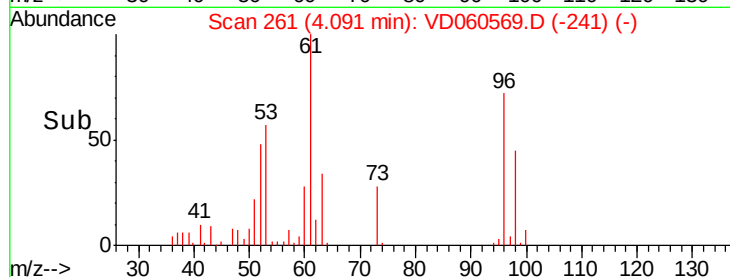
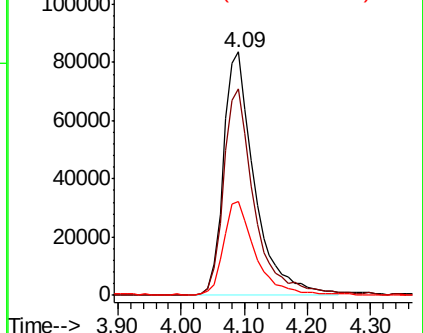
53 100

52 85.0 70.0 105.0

51 38.7 28.8 43.2



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: 100.400 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD060569.D

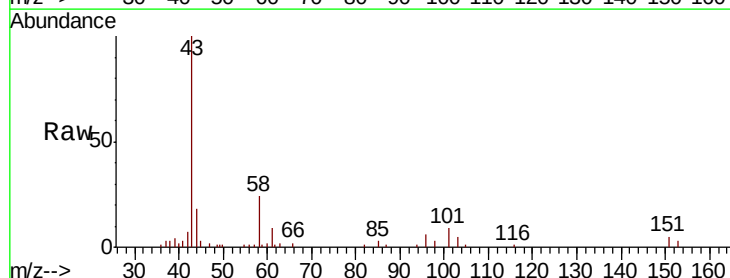
Acq: 14 Dec 2018 13:16

Tgt Ion: 43 Resp: 189174

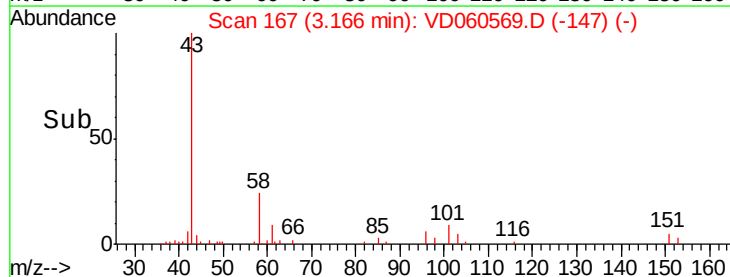
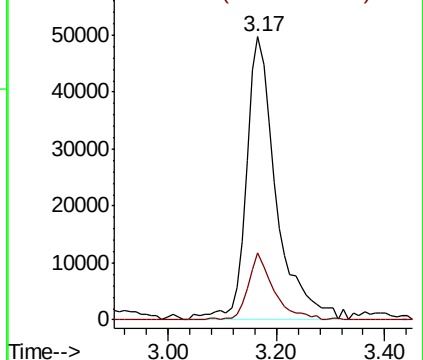
Ion Ratio Lower Upper

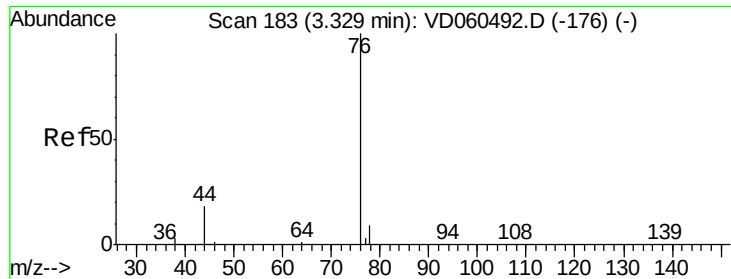
43 100

58 23.6 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

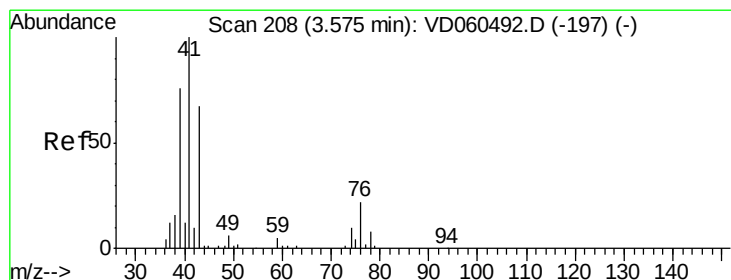
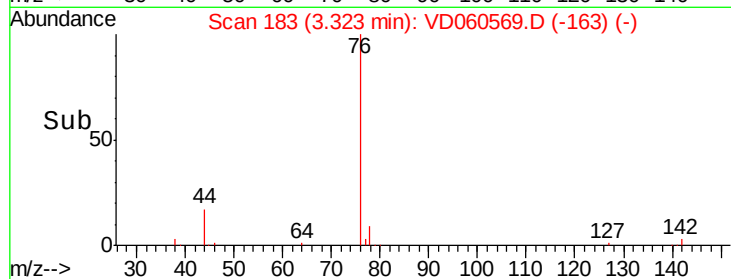
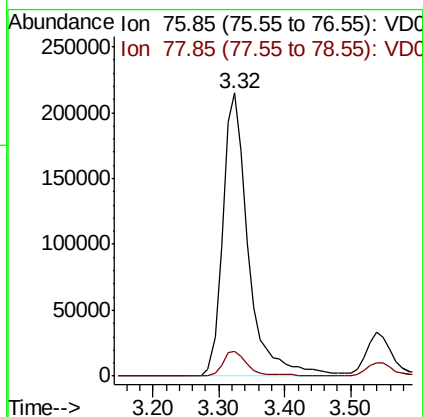
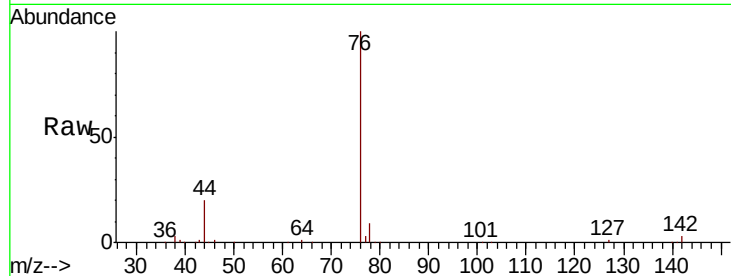




#17
Carbon Disulfide
Concen: 21.646 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

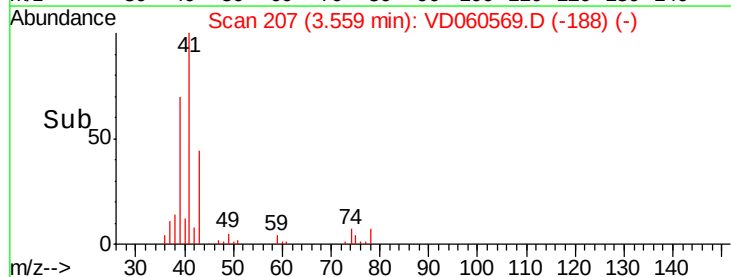
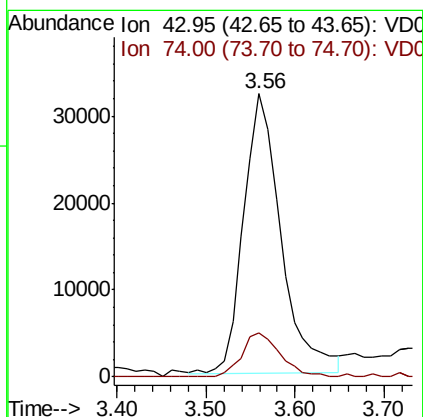
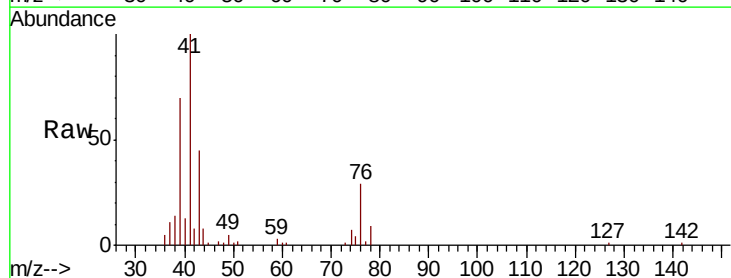
Instrument :
MSVOA_D
ClientSampleId :

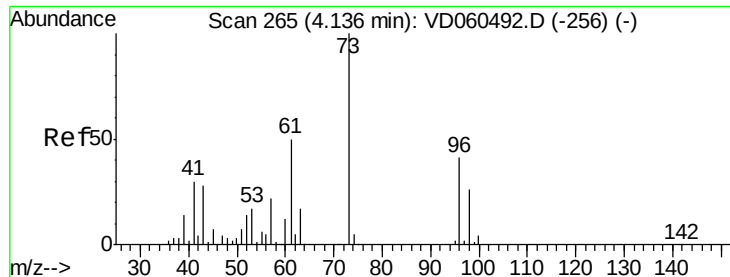
Tot Ion: 76 Resp: 582840
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 20.936 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 43 Resp: 93755
Ion Ratio Lower Upper
43 100
74 15.4 12.0 18.0

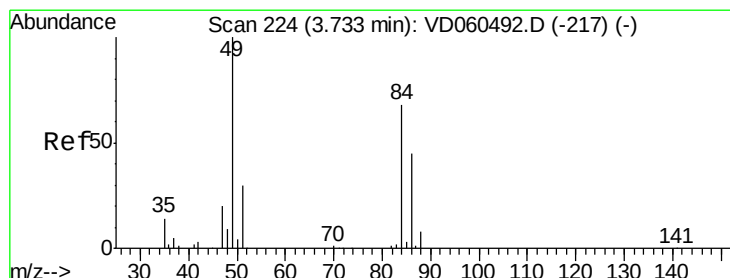
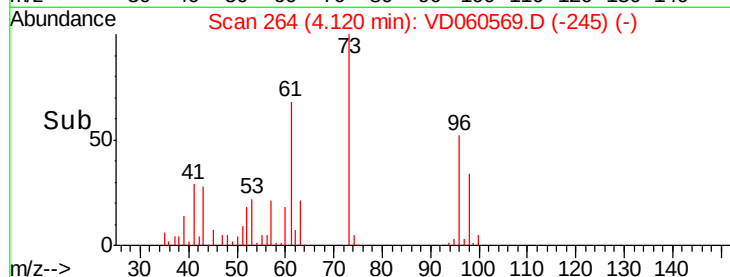
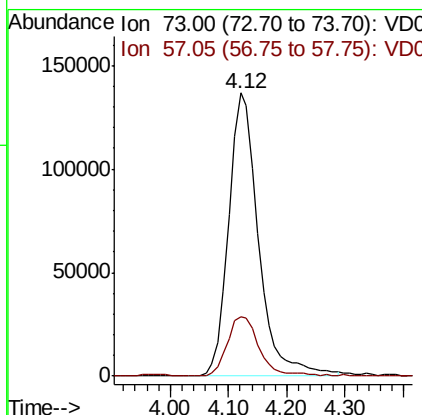
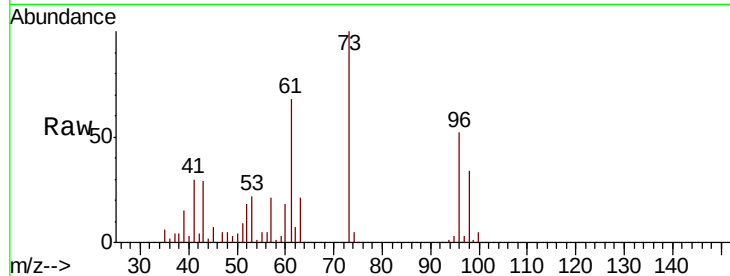




#19
Methyl tert-butyl Ether
Concen: 21.230 ug/l
RT: 4.12 min Scan# 264
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

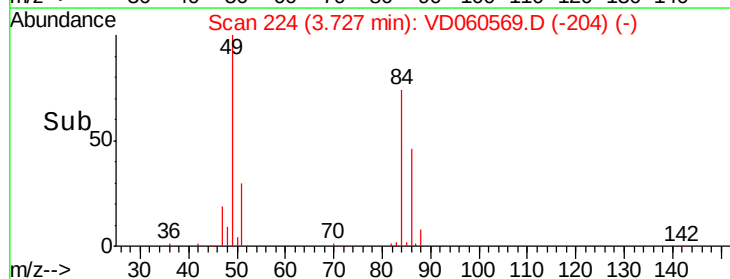
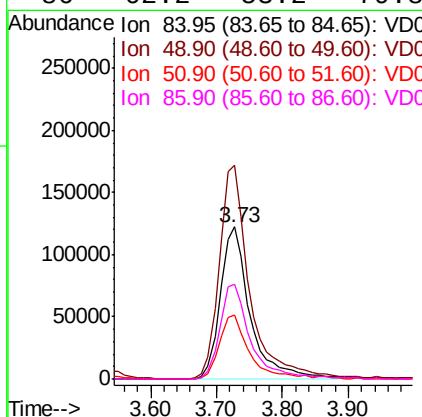
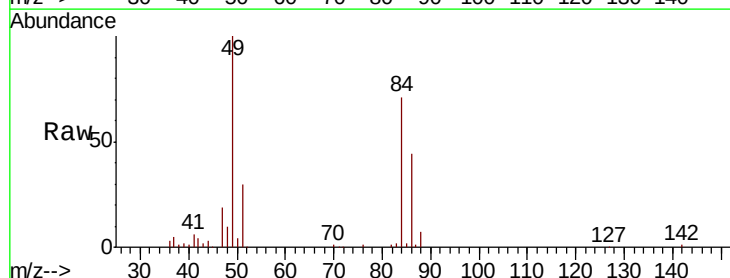
Instrument :
MSVOA_D
ClientSampleId :

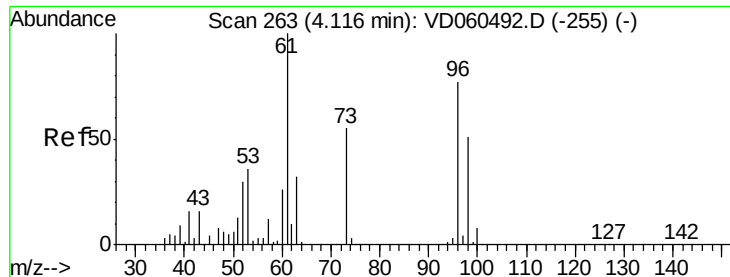
Tot Ion: 73 Resp: 488034
Ion Ratio Lower Upper
73 100
57 20.8 17.8 26.6



#20
Methylene Chloride
Concen: 19.590 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 84 Resp: 385983
Ion Ratio Lower Upper
84 100
49 140.7 117.2 175.8
51 42.6 35.3 52.9
86 62.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.165 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

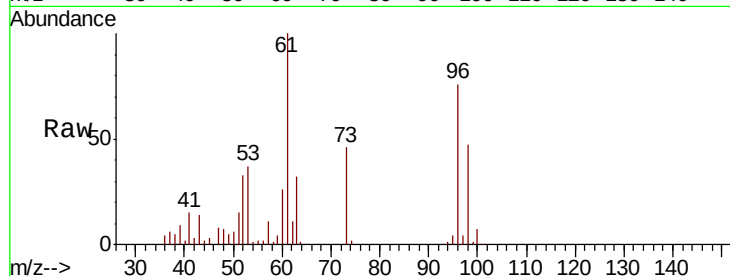
Tot Ion: 96 Resp: 381640

Ion Ratio Lower Upper

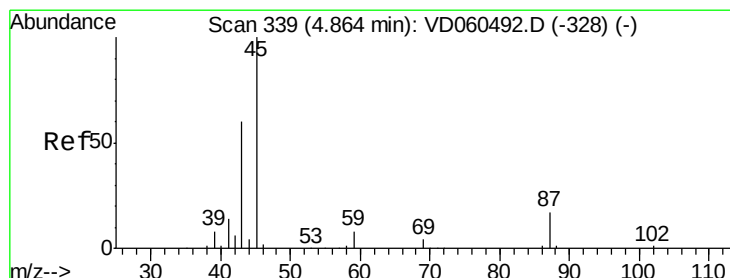
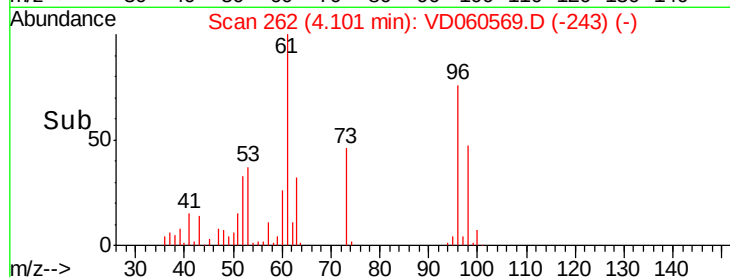
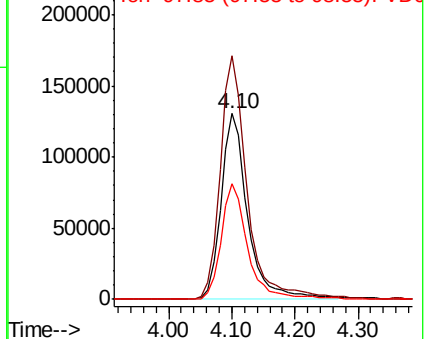
96 100

61 131.3 104.2 156.4

98 62.1 52.8 79.2



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



#22

Diisopropyl ether

Concen: 20.716 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Tgt Ion: 45 Resp: 1169765

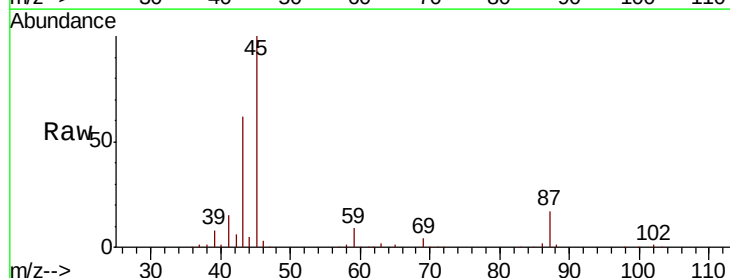
Ion Ratio Lower Upper

45 100

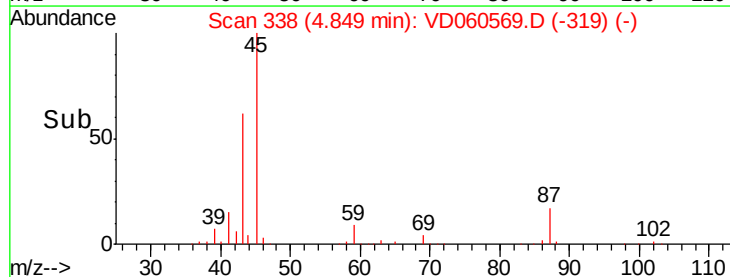
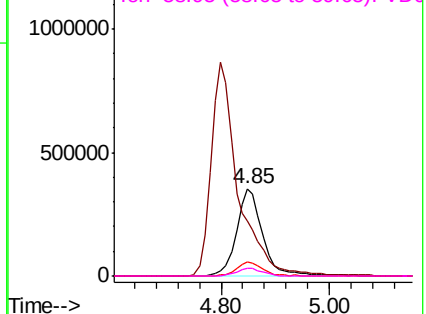
43 62.4 48.6 73.0

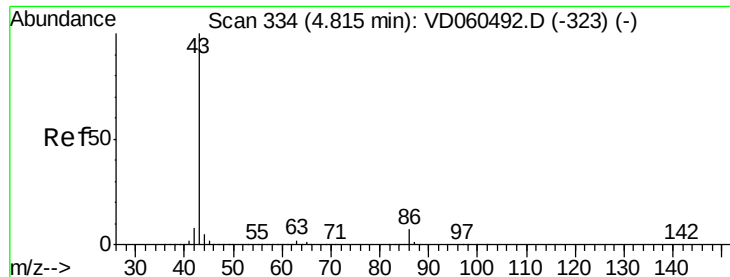
87 16.8 14.0 21.0

59 9.3 6.9 10.3



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: 105.877 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

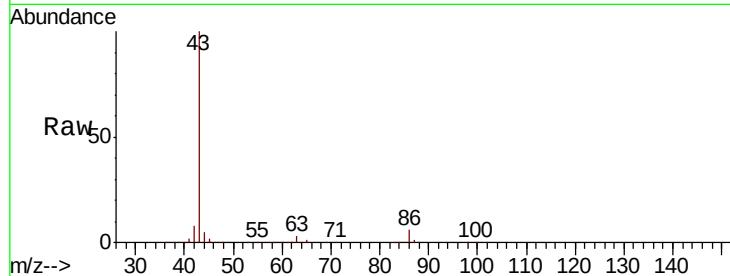
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2962121

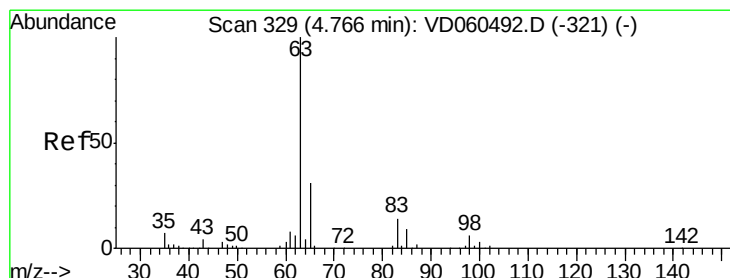
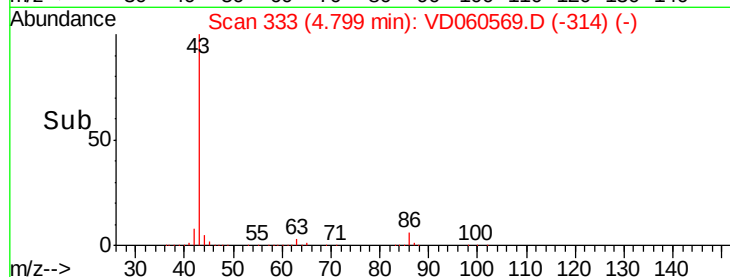
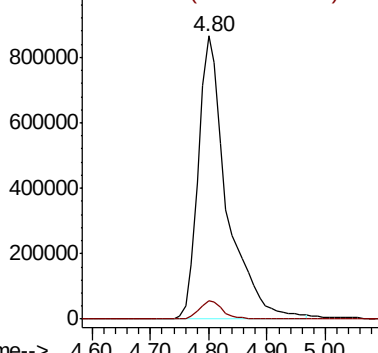
Ion Ratio Lower Upper

43 100

86 6.5 5.5 8.3



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



#24

1,1-Dichloroethane

Concen: 20.976 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

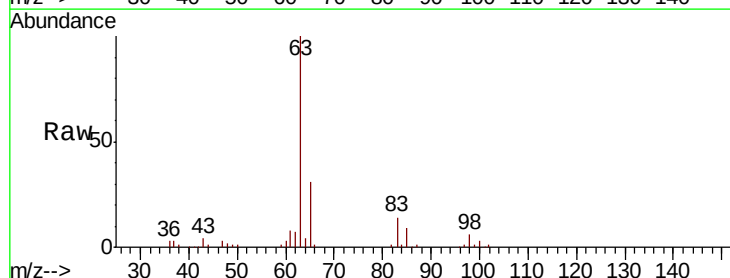
Tgt Ion: 63 Resp: 615331

Ion Ratio Lower Upper

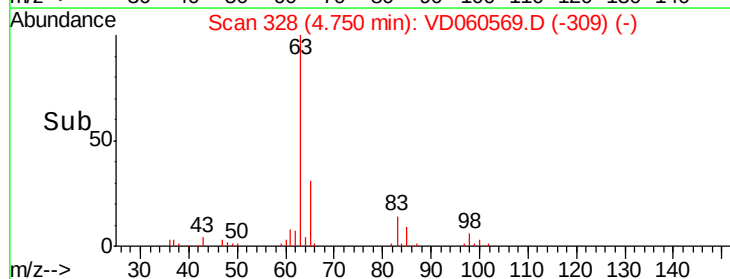
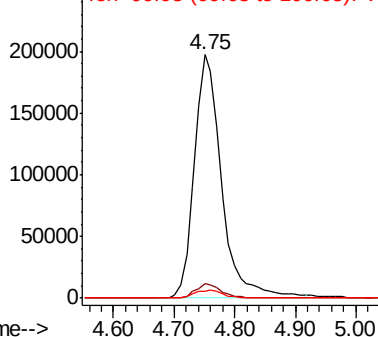
63 100

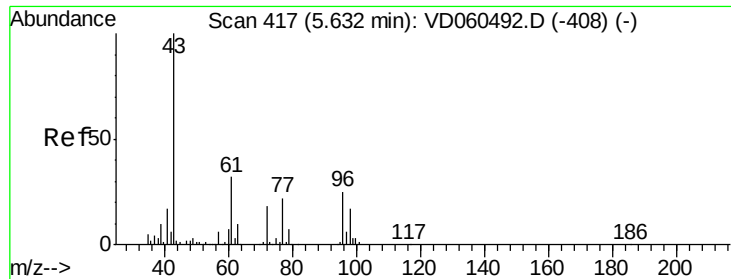
98 5.8 2.8 8.3

100 2.8 1.7 5.1



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





#25

2-Butanone

Concen: 101.503 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

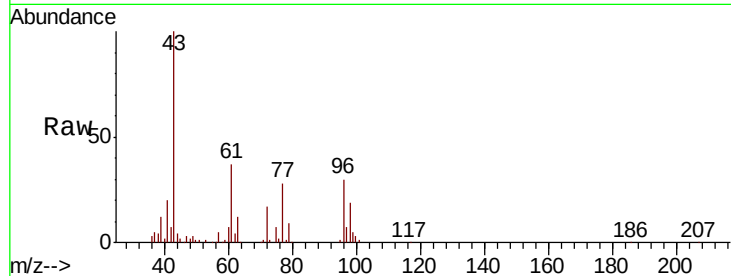
ClientSampled :

Tot Ion: 43 Resp: 376270

Ion Ratio Lower Upper

43 100

72 16.5 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

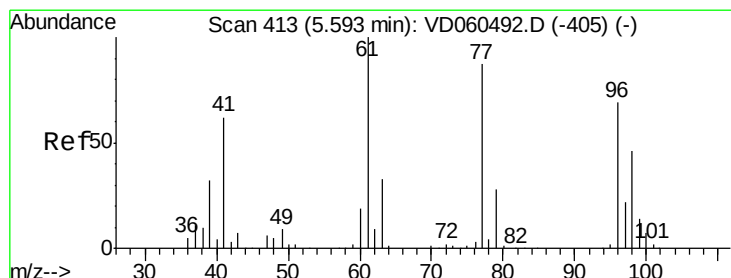
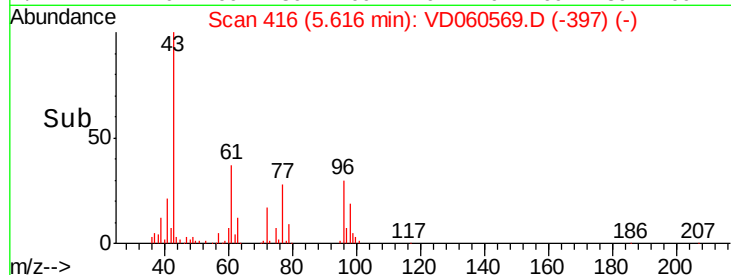
100000

50000

0

5.50 5.55 5.60 5.65 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 21.732 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD060569.D

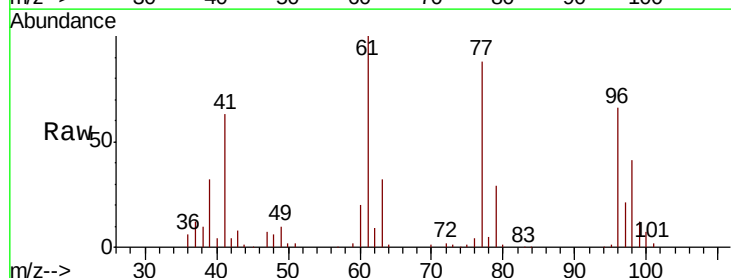
Acq: 14 Dec 2018 13:16

Tgt Ion: 77 Resp: 492479

Ion Ratio Lower Upper

77 100

97 24.3 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

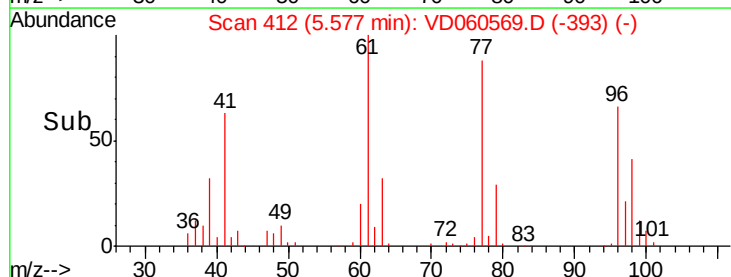
100000

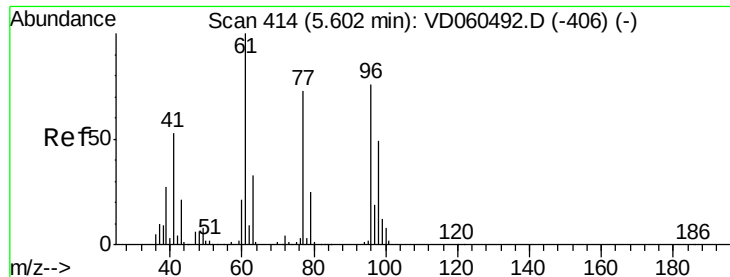
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->



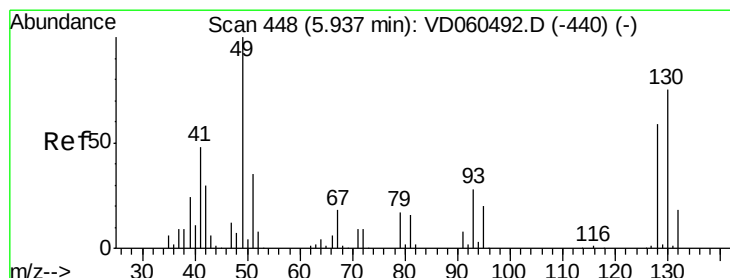
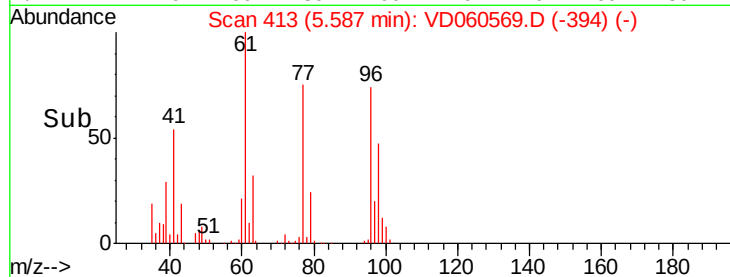
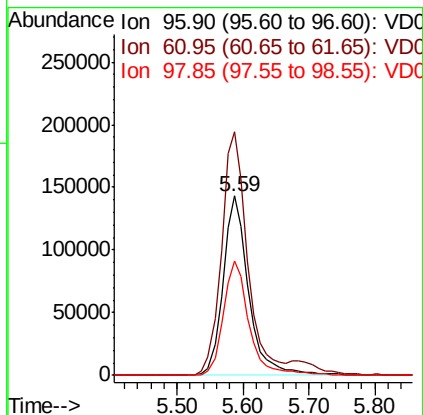
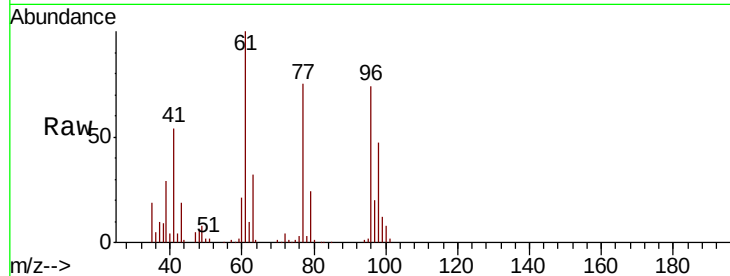


#27

cis-1,2-Dichloroethene
 Concen: 21.142 ug/l
 RT: 5.59 min Scan# 413
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampled :

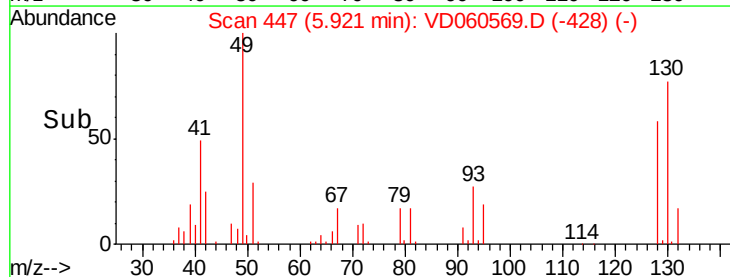
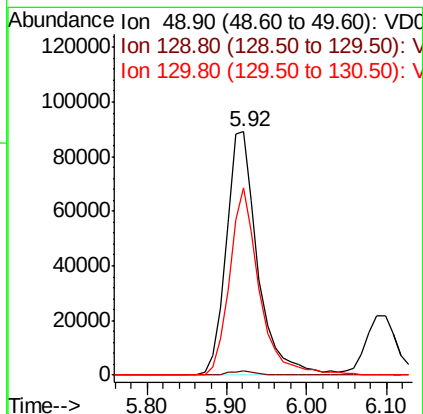
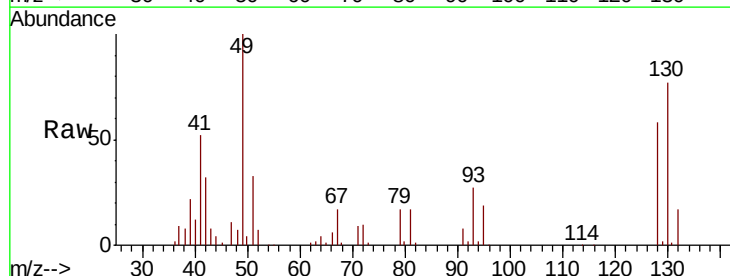
Tot Ion: 96 Resp: 387601
 Ion Ratio Lower Upper
 96 100
 61 135.6 0.0 263.6
 98 63.4 0.0 128.2

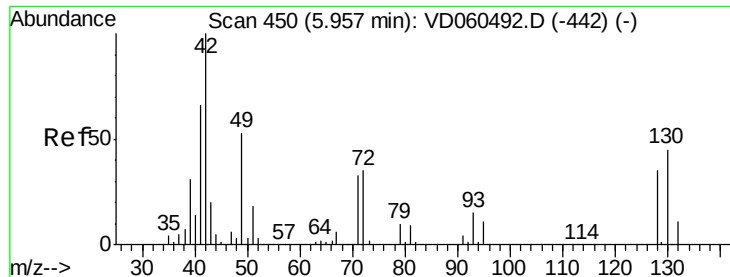


#28

Bromochloromethane
 Concen: 18.936 ug/l
 RT: 5.92 min Scan# 447
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 49 Resp: 246076
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.4
 130 77.1 59.8 89.6

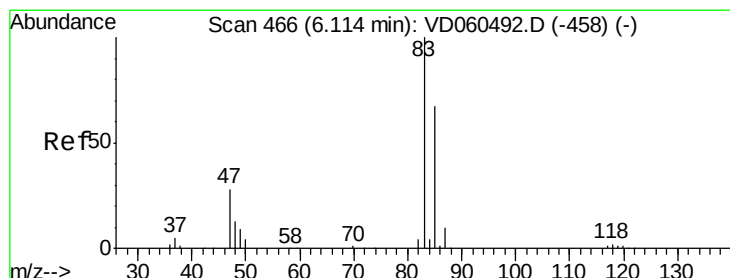
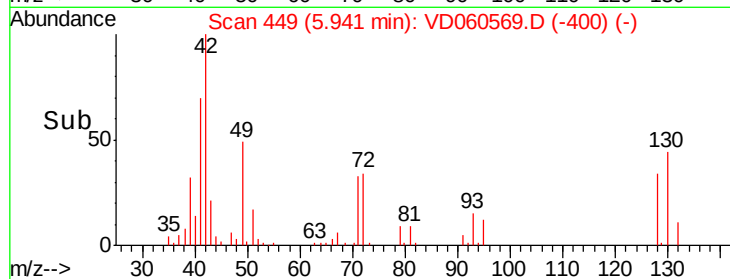
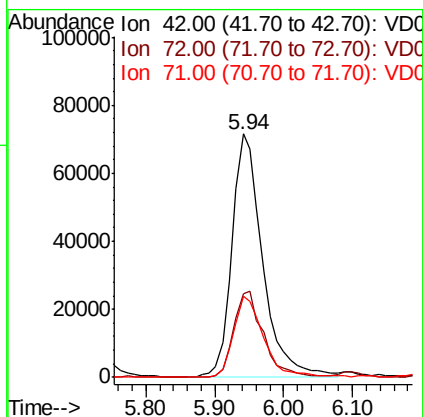
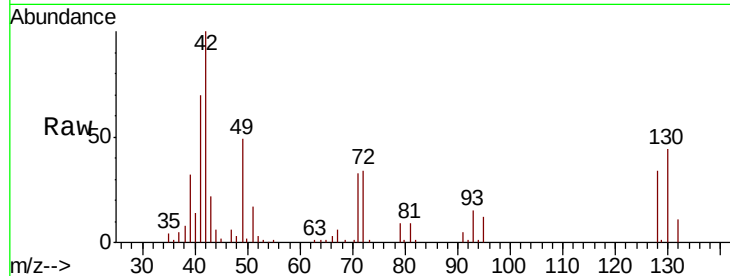




#29
Tetrahydrofuran
Concen: 105.345 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

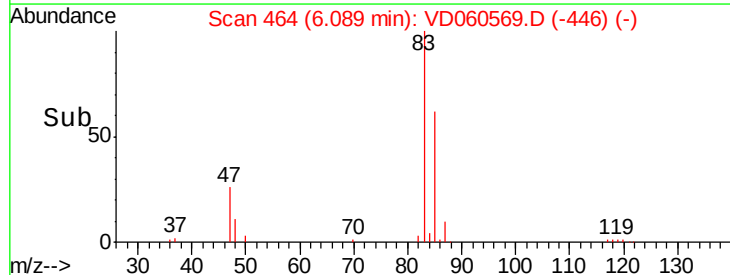
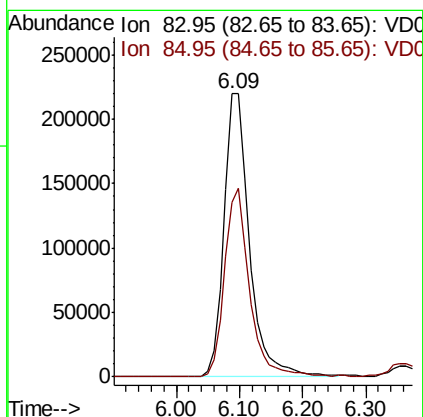
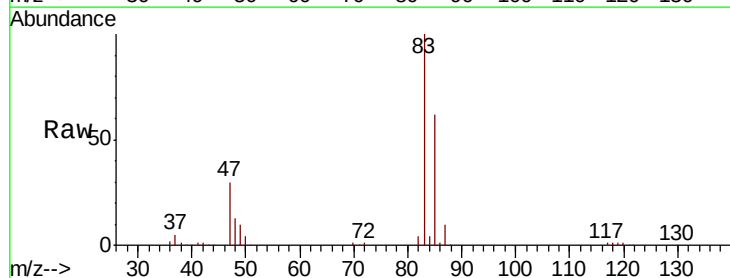
Instrument :
MSVOA_D
ClientSampleID :

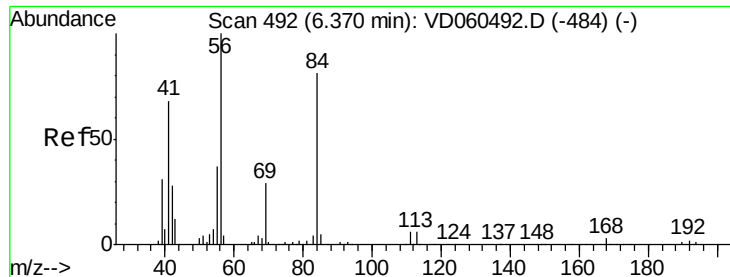
Tot Ion: 42 Resp: 221138
Ion Ratio Lower Upper
42 100
72 34.2 28.0 42.0
71 32.4 27.2 40.8



#30
Chloroform
Concen: 20.834 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.03 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 83 Resp: 615731
Ion Ratio Lower Upper
83 100
85 61.7 53.4 80.2

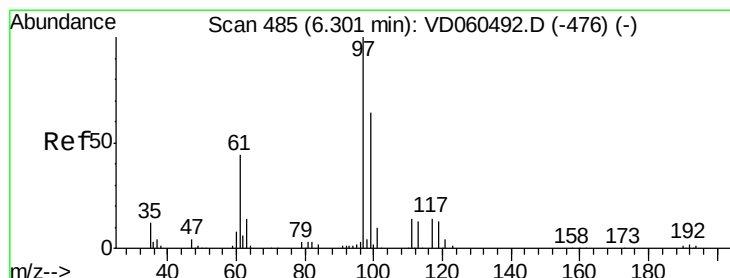
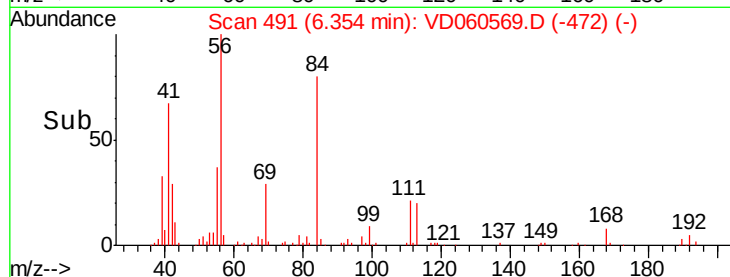
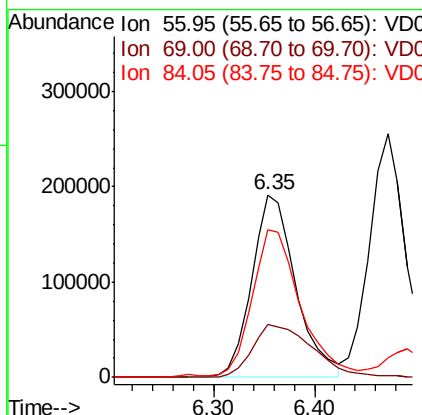
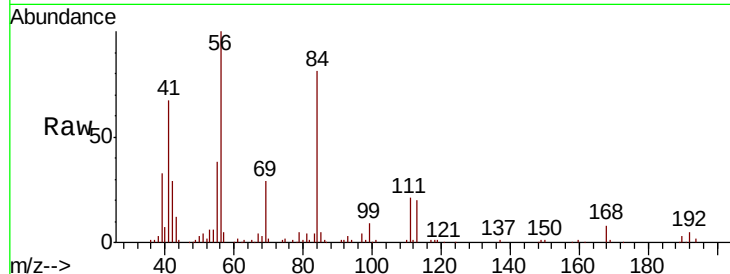




#31
Cyclohexane
Concen: 20.885 ug/l
RT: 6.35 min Scan# 491
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

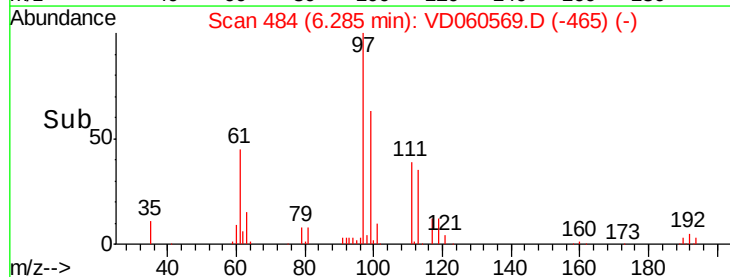
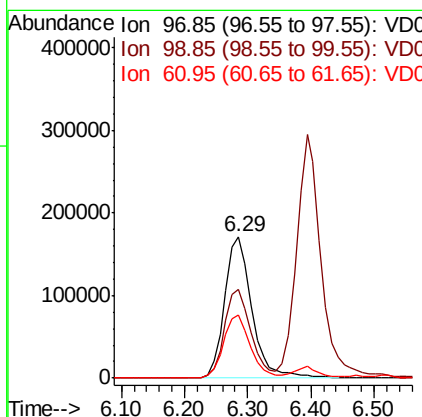
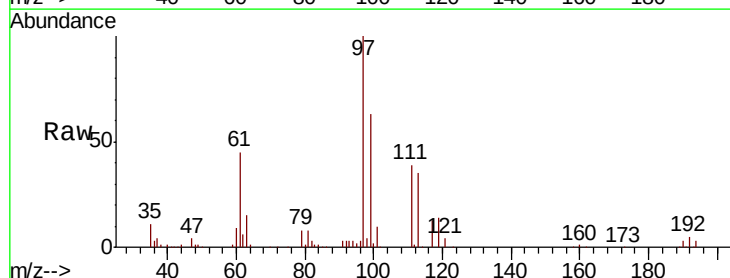
Instrument :
MSVOA_D
ClientSampleId :

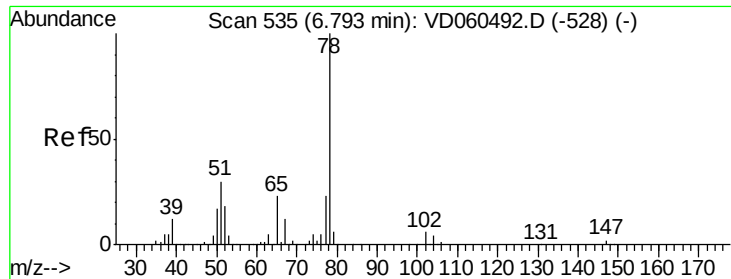
Tot Ion: 56 Resp: 579864
Ion Ratio Lower Upper
56 100
69 29.2 22.8 34.2
84 80.7 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 21.091 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 97 Resp: 512412
Ion Ratio Lower Upper
97 100
99 62.9 51.0 76.4
61 44.7 35.3 52.9

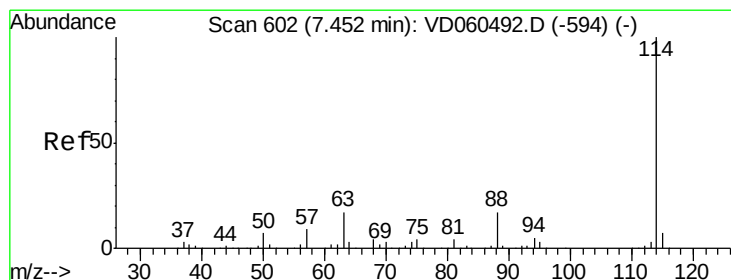
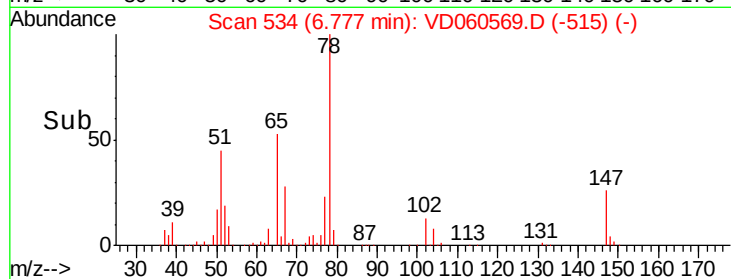
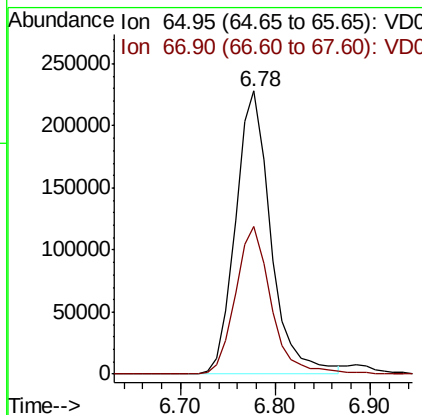
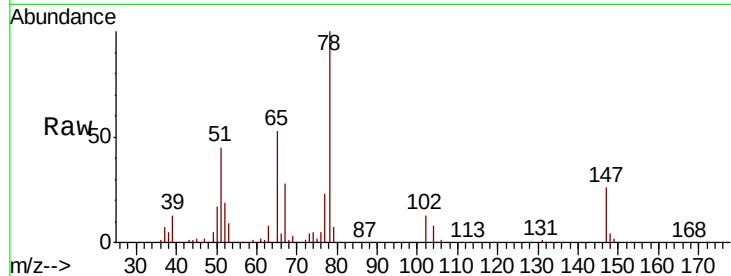




#33
 1,2-Dichloroethane-d4
 Concen: 21.091 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

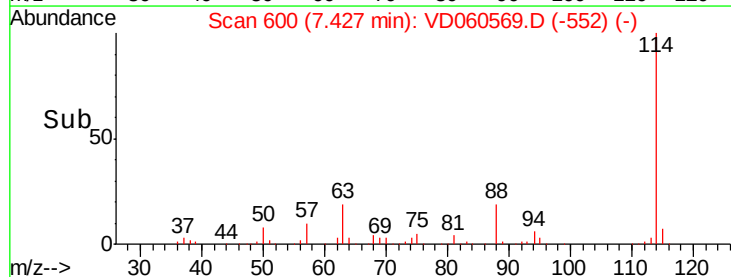
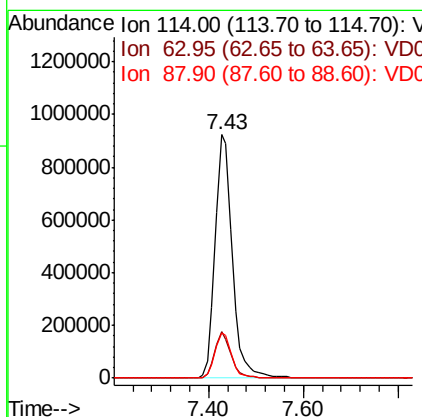
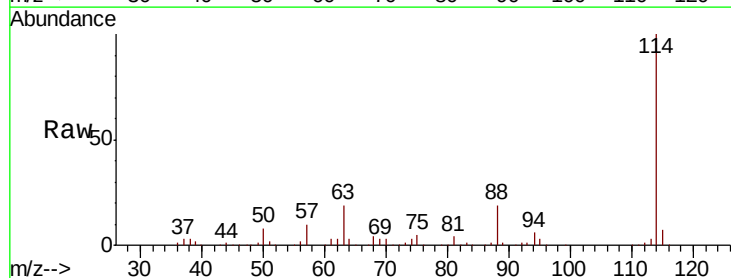
Instrument :
 MSVOA_D
 ClientSampleId :

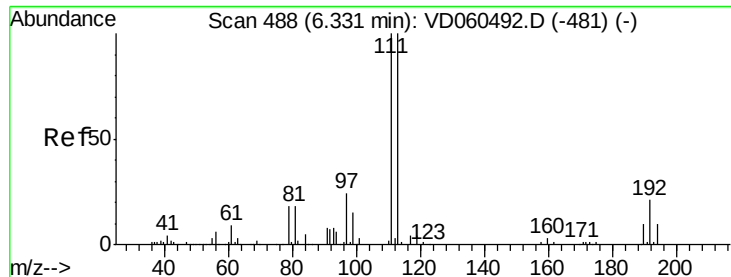
Tot Ion: 65 Resp: 588917
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 114 Resp: 2326898
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 34.2
 88 18.6 0.0 35.0

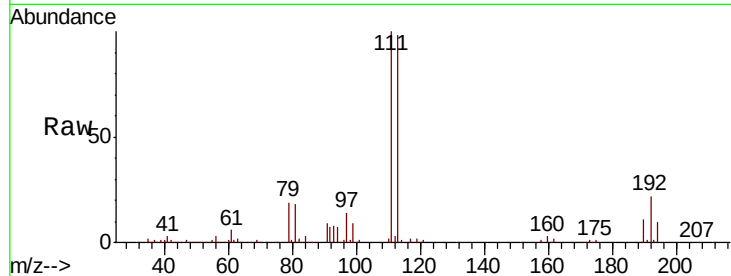




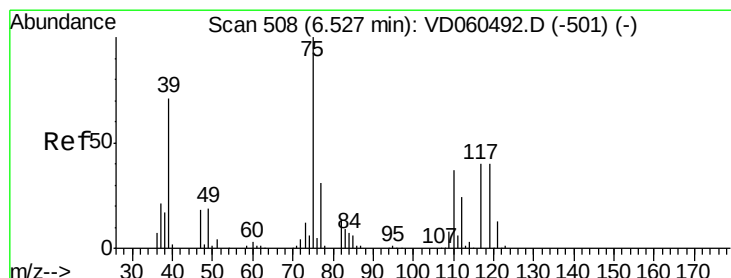
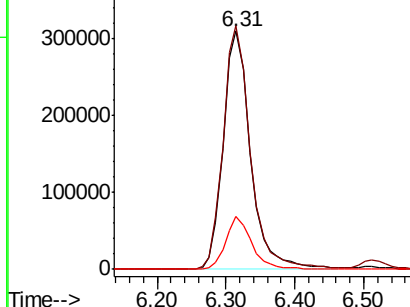
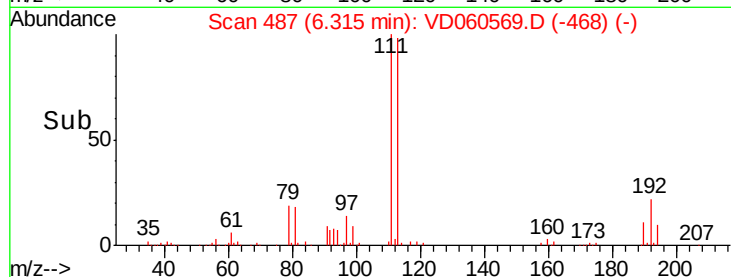
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.2	120.4
192	22.2	16.6	24.8

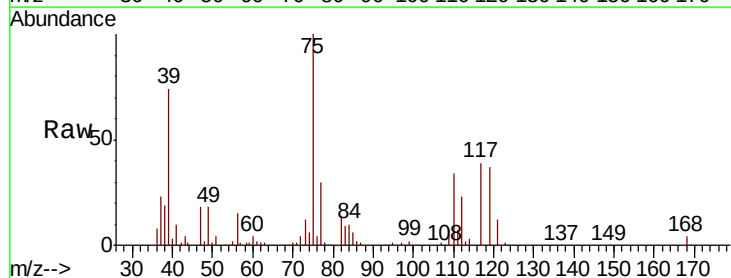


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

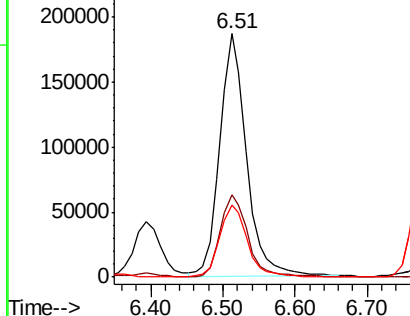
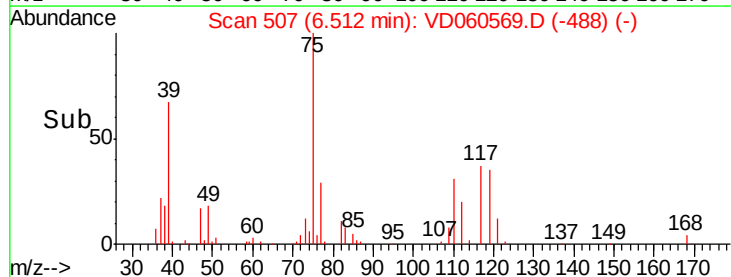


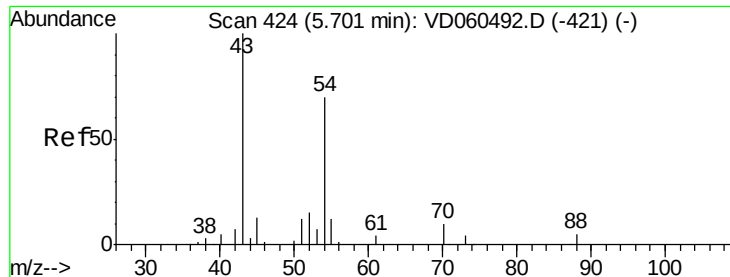
#36
 1,1-Dichloropropene
 Concen: 20.964 ug/l
 RT: 6.51 min Scan# 507
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	18.3	54.8
77	29.6	24.6	37.0



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

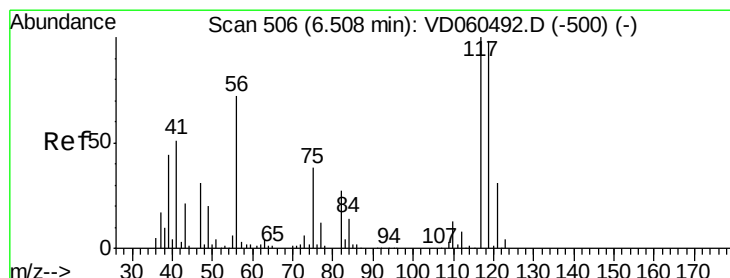
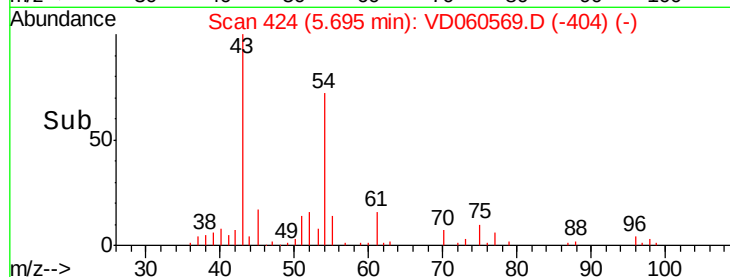
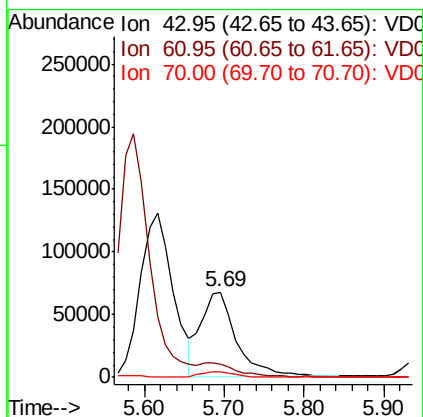
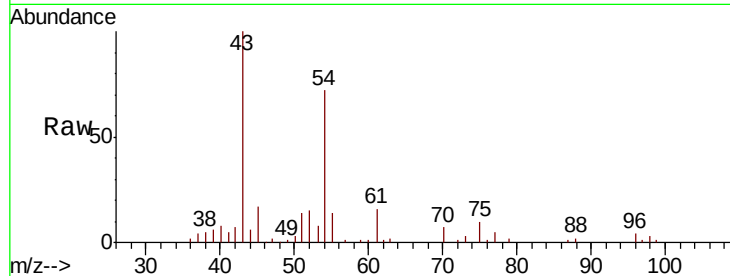




#37
Ethyl Acetate
Concen: 21.075 ug/l
RT: 5.69 min Scan# 424
Delta R.T. -0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

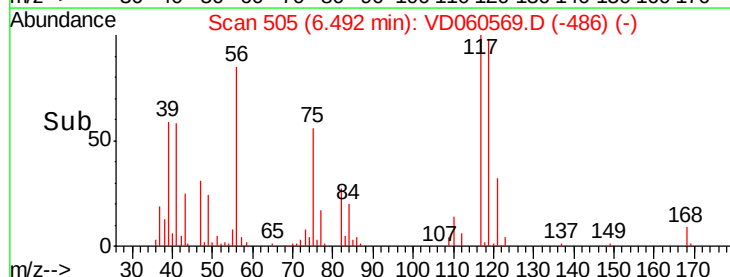
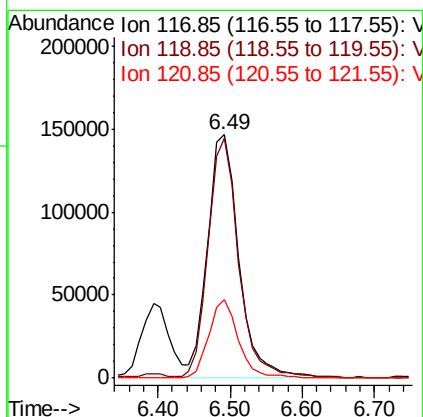
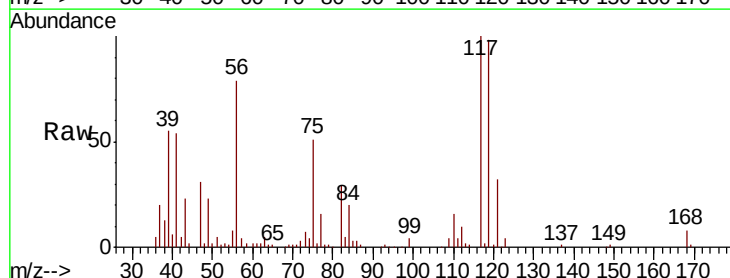
Instrument :
MSVOA_D
ClientSampled :

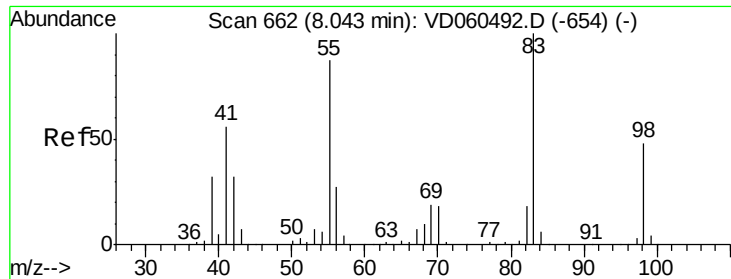
Tot Ion: 43 Resp: 207891
Ion Ratio Lower Upper
43 100
61 15.9 12.4 18.6
70 7.1 5.4 8.0



#38
Carbon Tetrachloride
Concen: 21.215 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 117 Resp: 433203
Ion Ratio Lower Upper
117 100
119 98.3 76.8 115.2
121 32.1 24.4 36.6

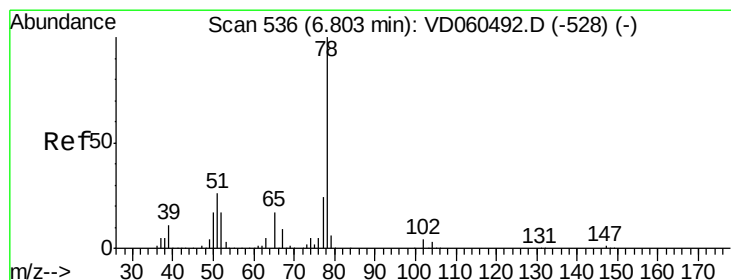
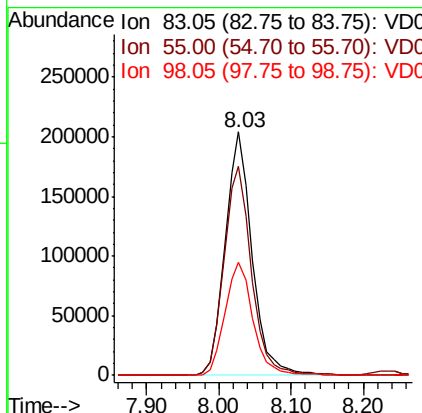
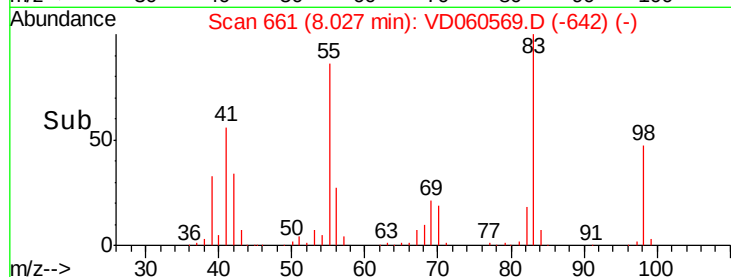
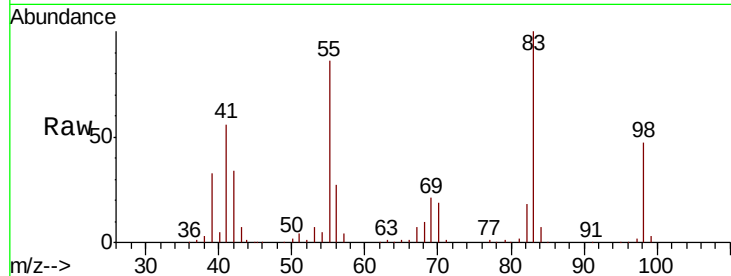




#39
Methylvlcyclohexane
Concen: 20.371 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

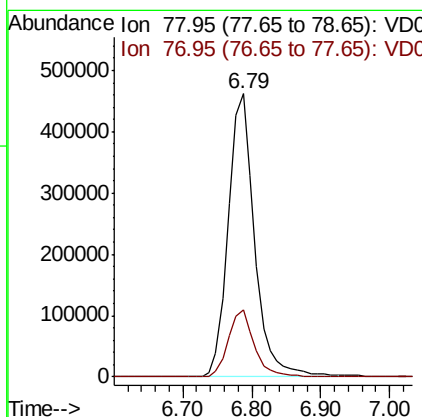
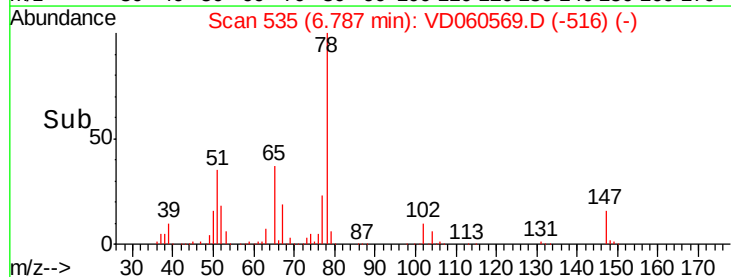
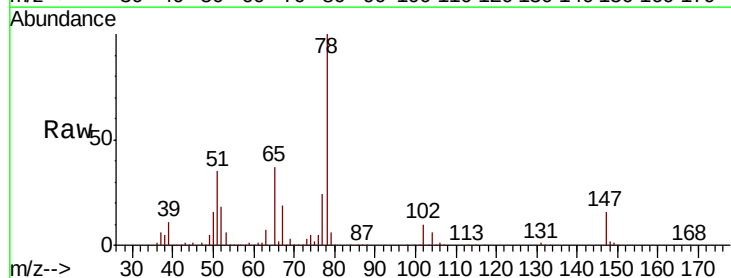
Instrument :
MSVOA_D
ClientSampleId :

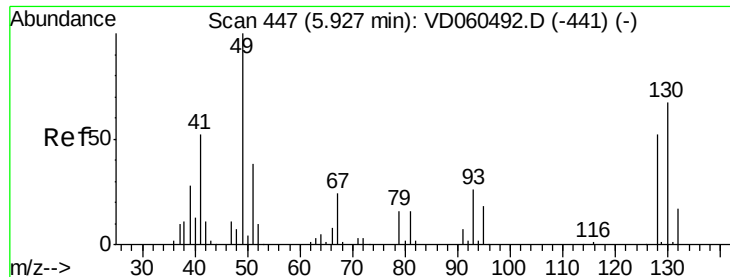
Tot Ion: 83 Resp: 528202
Ion Ratio Lower Upper
83 100
55 85.9 69.8 104.8
98 46.5 38.4 57.6



#40
Benzene
Concen: 21.051 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 78 Resp: 1223667
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

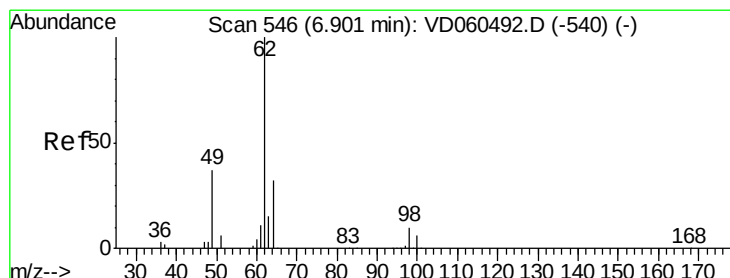
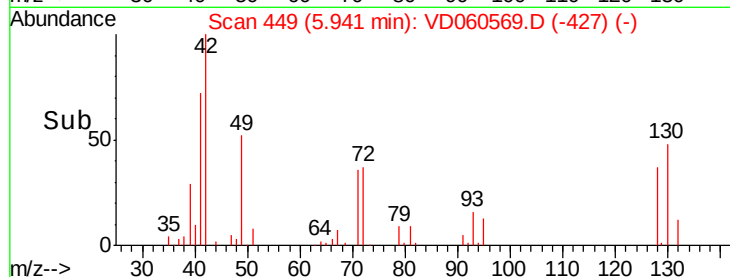
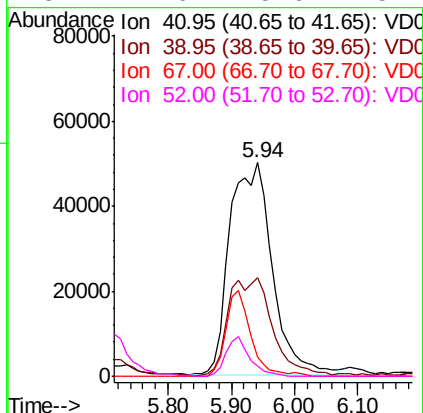
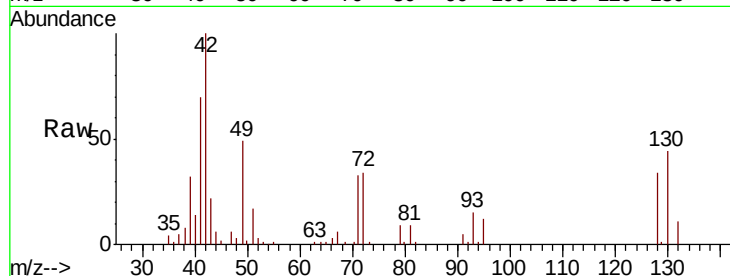




#41
Methacrylonitrile
Concen: 43.767 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

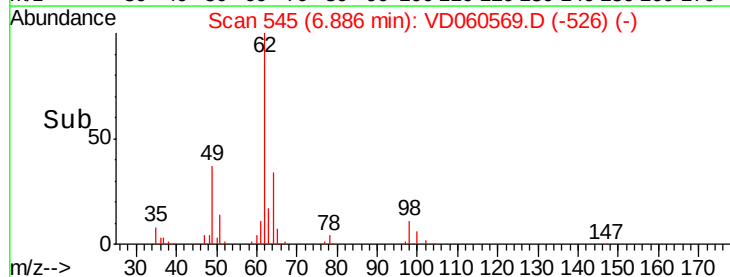
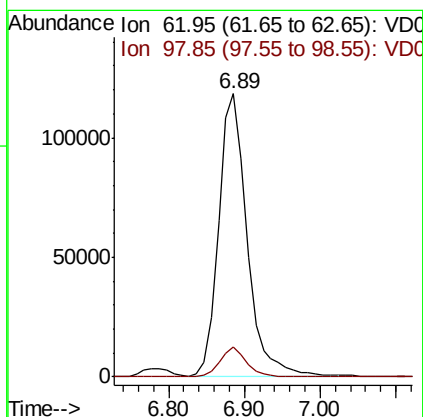
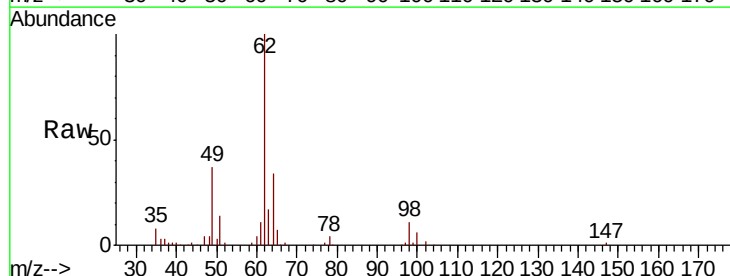
Instrument :
MSVOA_D
ClientSampleId :

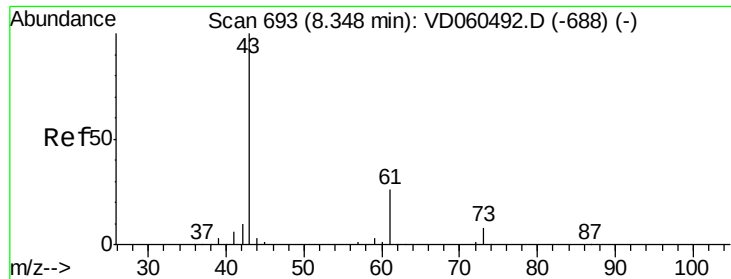
Tot Ion: 41 Resp: 232730
Ion Ratio Lower Upper
41 100
39 46.0 42.6 63.8
67 8.8 36.2 54.4#
52 4.6 15.6 23.4#



#42
1,2-Dichloroethane
Concen: 20.813 ug/l
RT: 6.89 min Scan# 545
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 62 Resp: 307606
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.2





#43

Isopropyl Acetate

Concen: 19.834 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

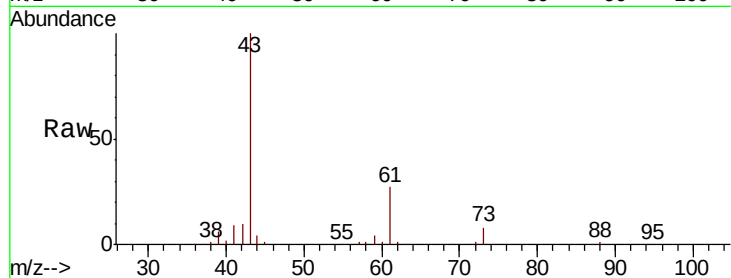
Tot Ion: 43 Resp: 241516

Ion Ratio Lower Upper

43 100

61 27.4 21.0 31.4

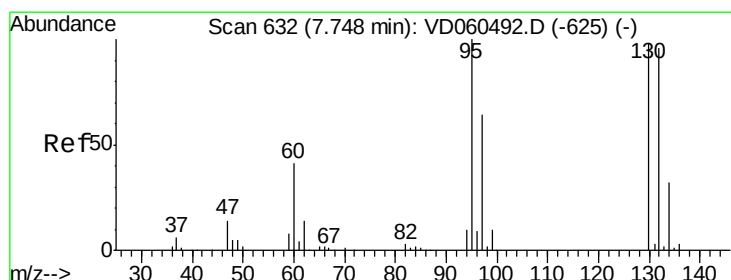
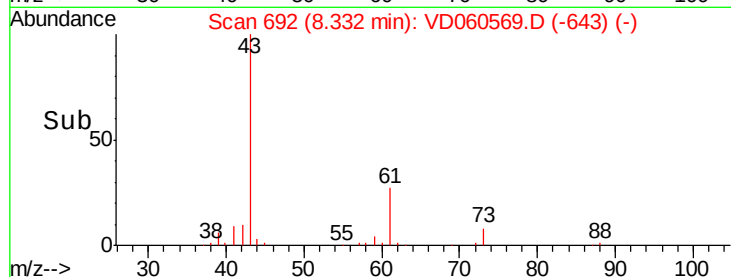
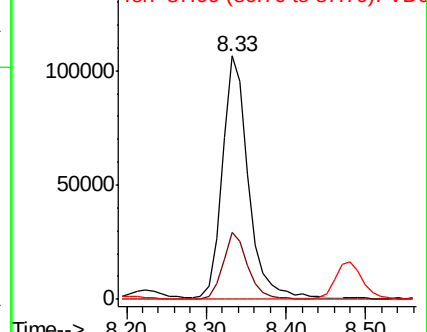
87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.969 ug/l

RT: 7.73 min Scan# 631

Delta R.T. -0.02 min

Lab File: VD060569.D

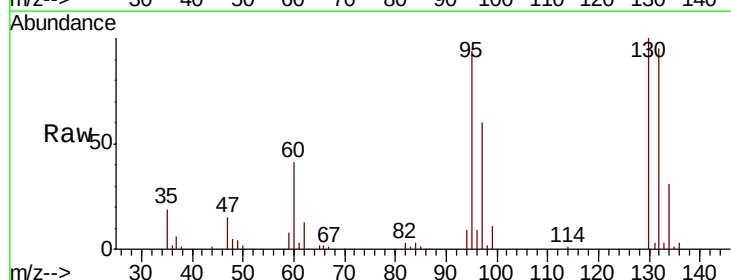
Acq: 14 Dec 2018 13:16

Tgt Ion:130 Resp: 364279

Ion Ratio Lower Upper

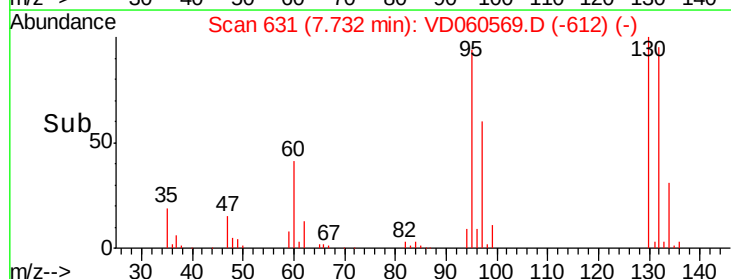
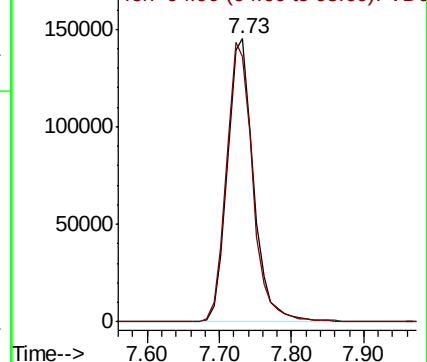
130 100

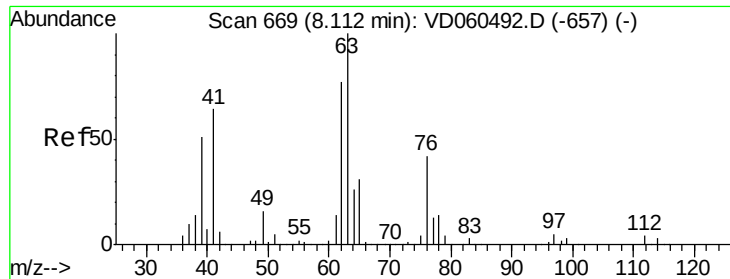
95 93.9 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

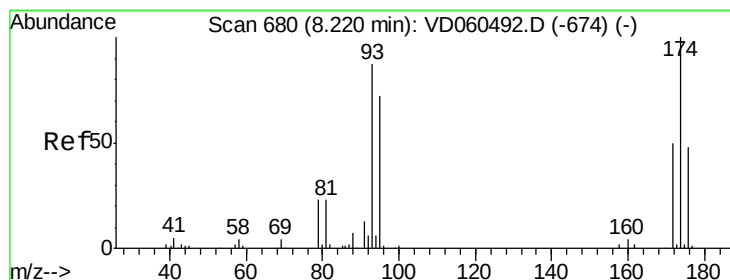
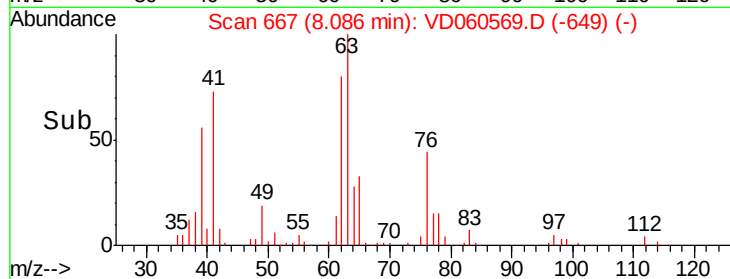
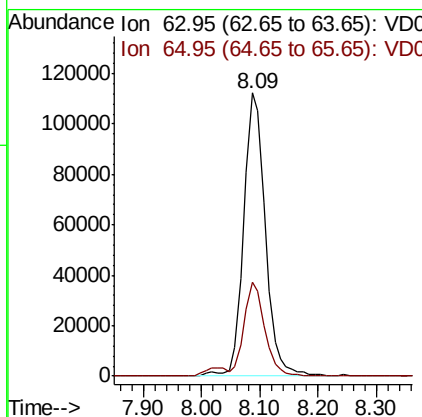
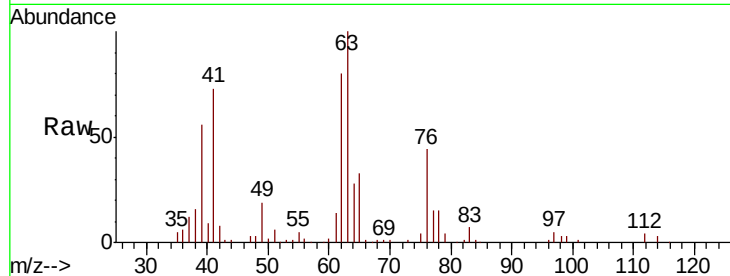




#45
 1,2-Dichloropropane
 Concen: 20.237 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

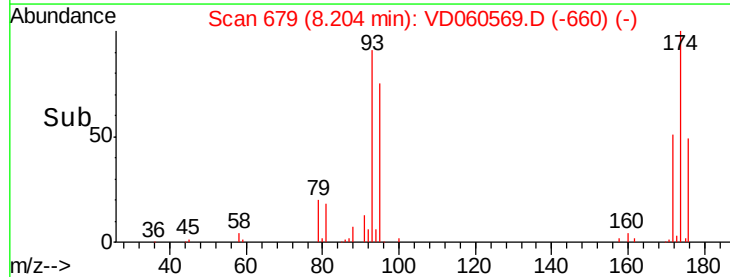
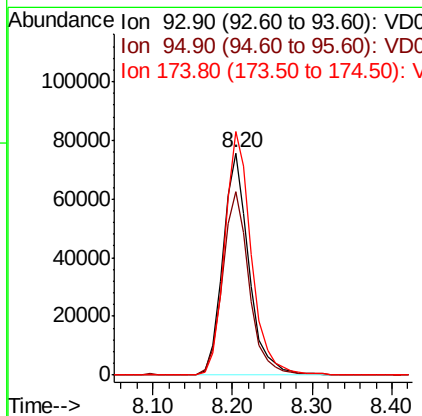
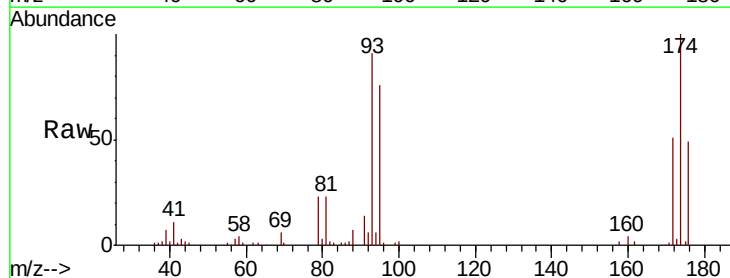
Instrument :
 MSVOA_D
 ClientSampled :

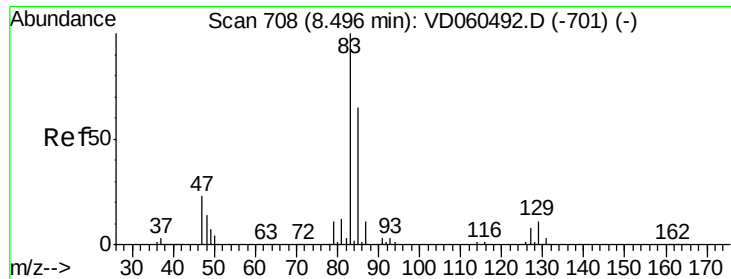
Tot Ion: 63 Resp: 290936
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.6 37.0



#46
 Dibromomethane
 Concen: 20.859 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 93 Resp: 173267
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.6 98.4
 174 109.6 91.7 137.5





#47

Bromodichloromethane

Concen: 20.365 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

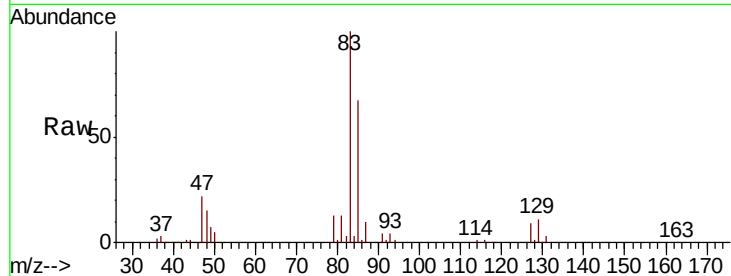
Tot Ion: 83 Resp: 401368

Ion Ratio Lower Upper

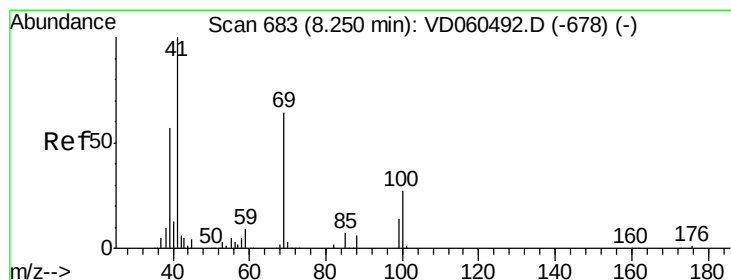
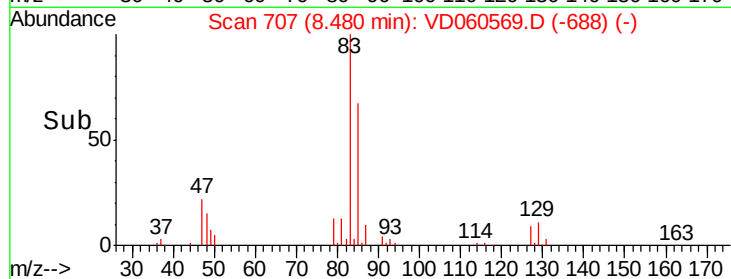
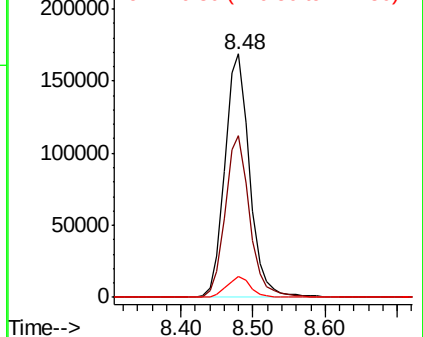
83 100

85 66.5 52.2 78.4

127 8.6 6.7 10.1



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



#48

Methyl methacrylate

Concen: 20.917 ug/l

RT: 8.23 min Scan# 682

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

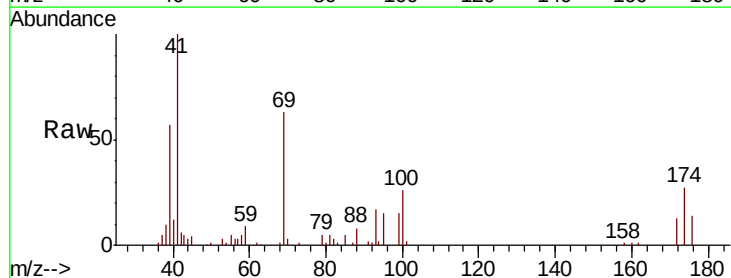
Tgt Ion: 41 Resp: 150701

Ion Ratio Lower Upper

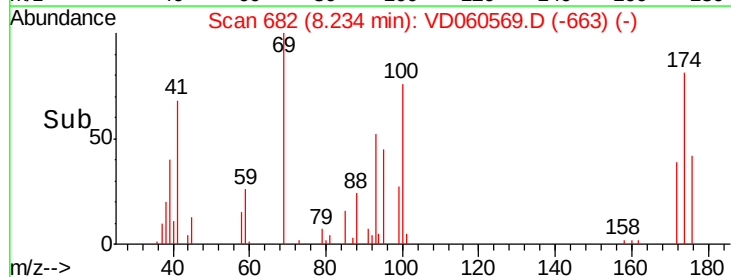
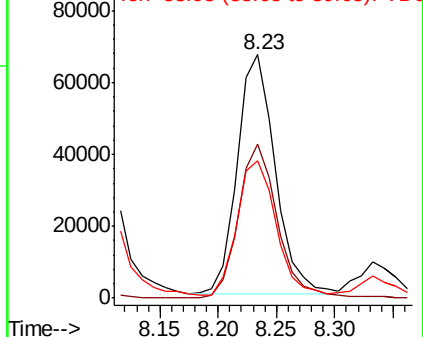
41 100

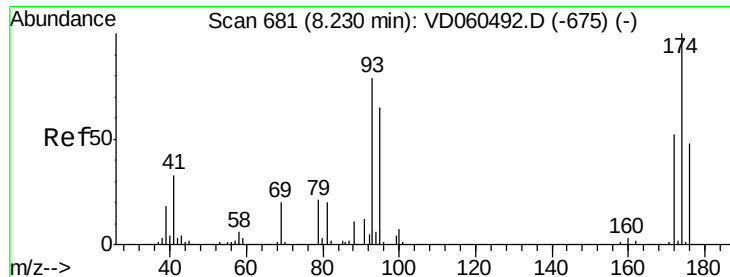
69 63.4 50.2 75.4

39 56.7 46.1 69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 406.803 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

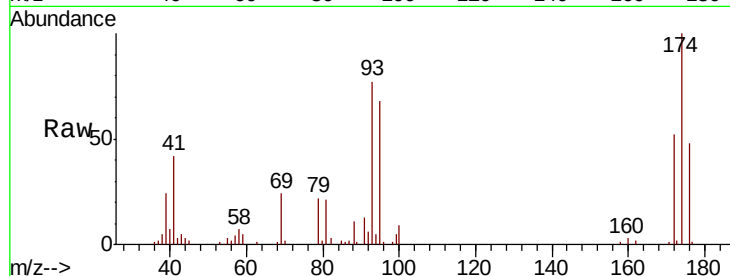
Tot Ion: 88 Resp: 26564

Ion Ratio Lower Upper

88 100

43 45.8 32.9 49.3

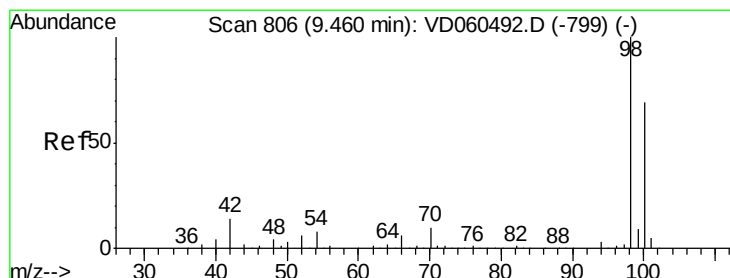
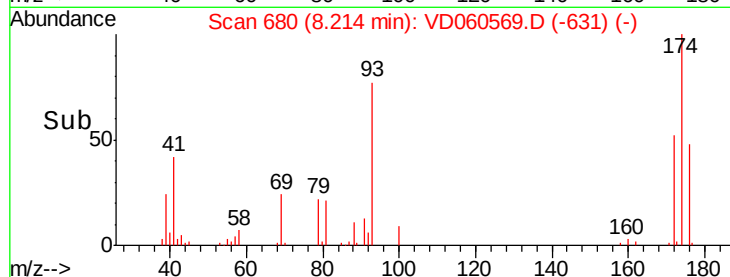
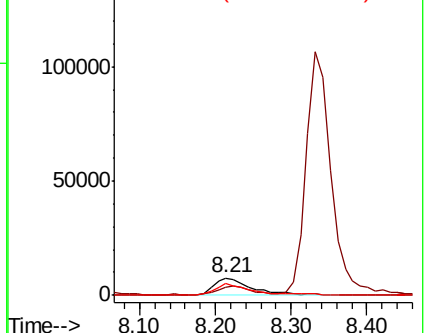
58 67.5 47.7 71.5



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 406.803 ug/l

RT: 9.44 min Scan# 805

Delta R.T. -0.02 min

Lab File: VD060569.D

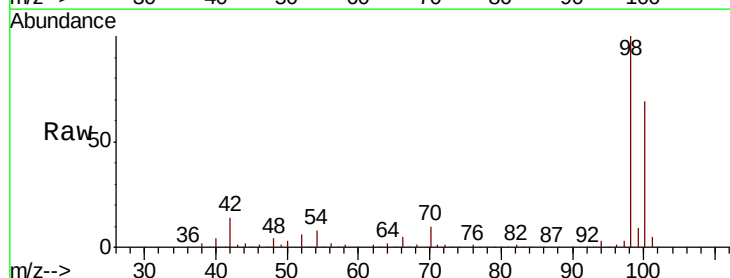
Acq: 14 Dec 2018 13:16

Tgt Ion: 98 Resp: 2448942

Ion Ratio Lower Upper

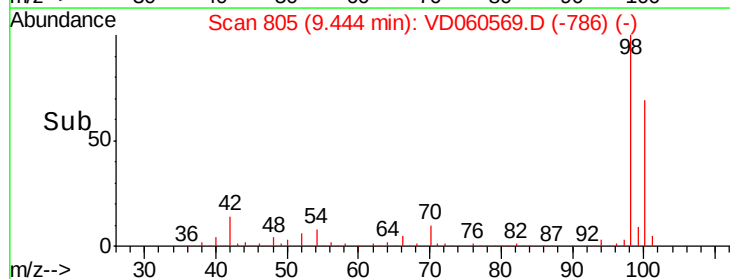
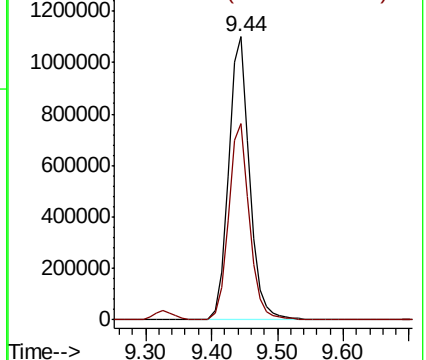
98 100

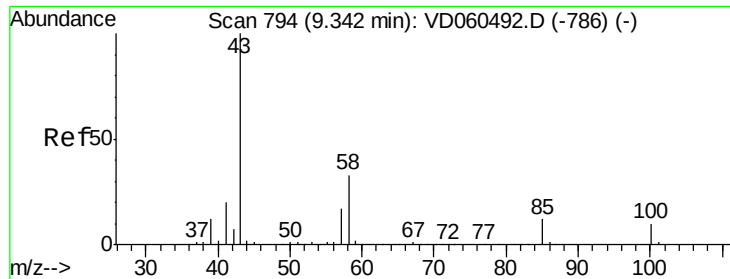
100 69.2 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.452 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

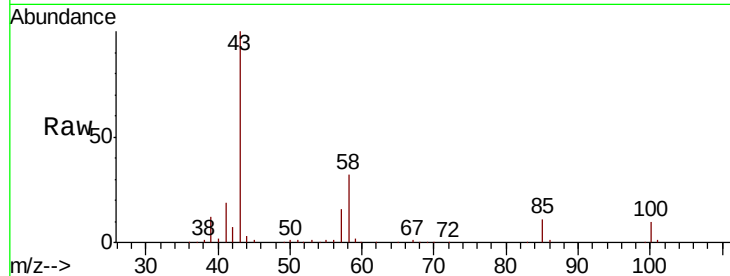
ClientSampled :

Tot Ion: 43 Resp: 783581

Ion Ratio Lower Upper

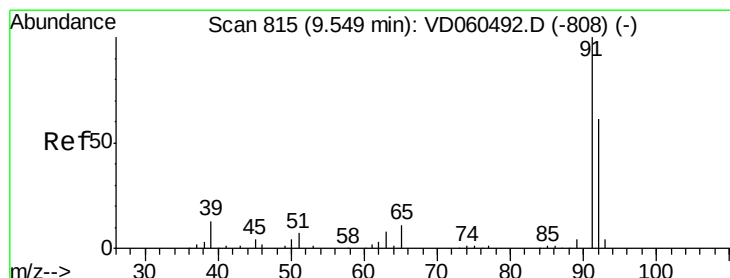
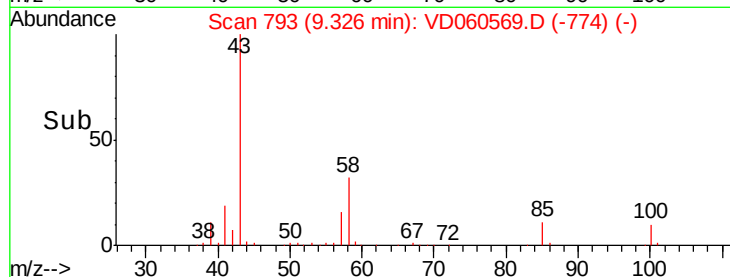
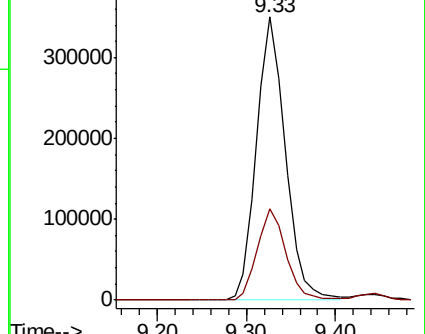
43 100

58 32.2 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.749 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD060569.D

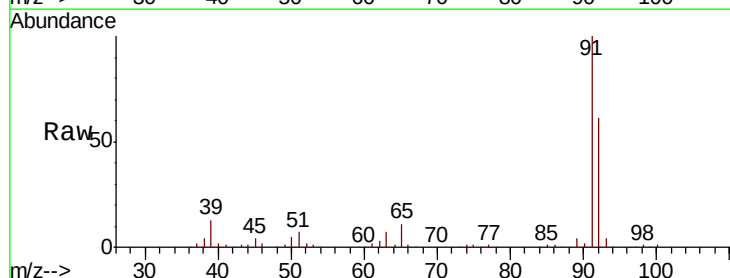
Acq: 14 Dec 2018 13:16

Tgt Ion: 92 Resp: 753861

Ion Ratio Lower Upper

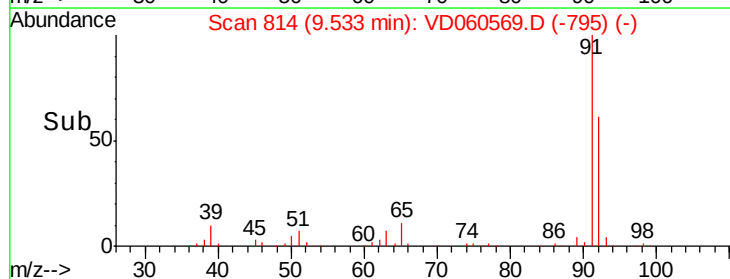
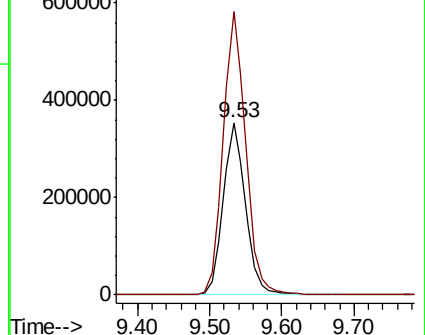
92 100

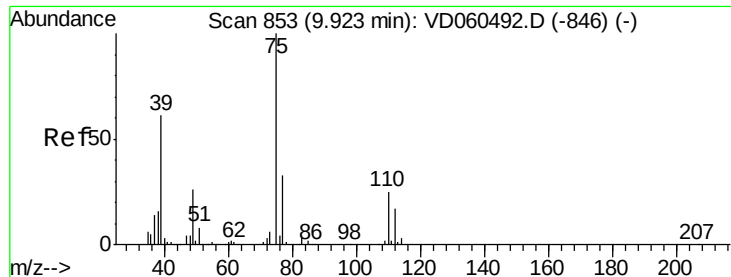
91 164.1 131.7 197.5



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: 21.015 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

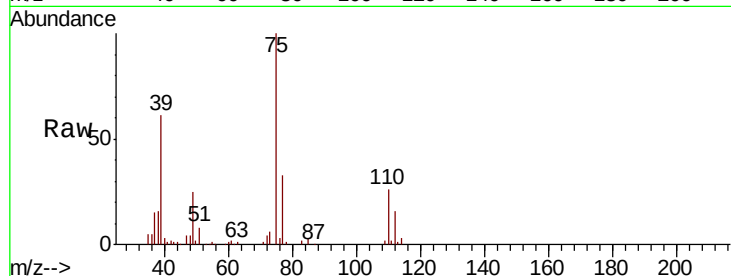
ClientSampleId :

Tot Ion: 75 Resp: 340335

Ion Ratio Lower Upper

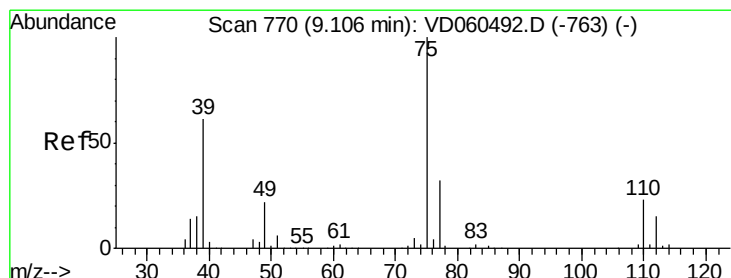
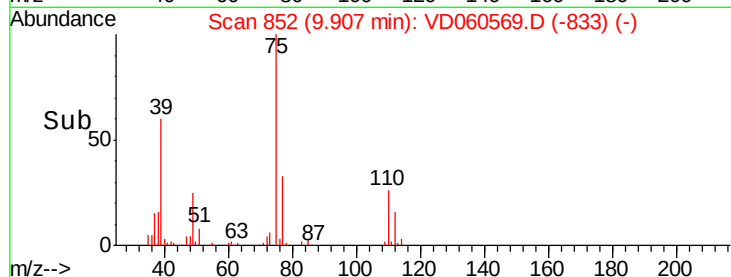
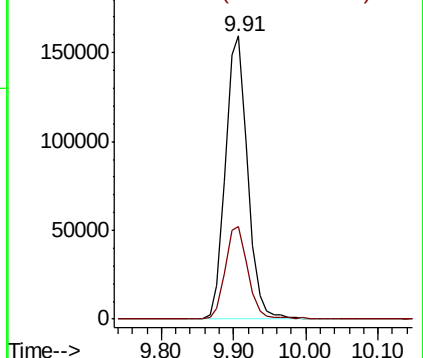
75 100

77 32.8 26.2 39.2



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: 20.732 ug/l

RT: 9.09 min Scan# 769

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

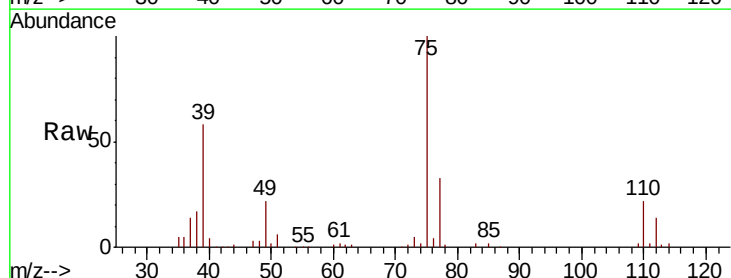
Tgt Ion: 75 Resp: 441134

Ion Ratio Lower Upper

75 100

77 33.0 25.6 38.4

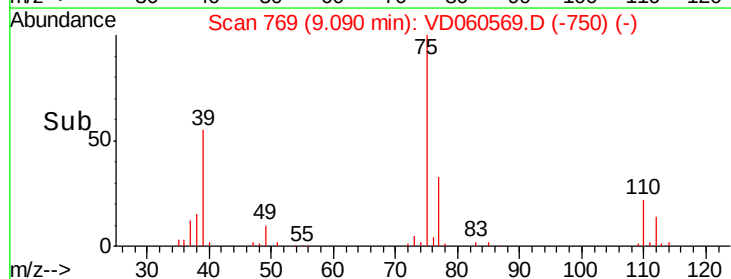
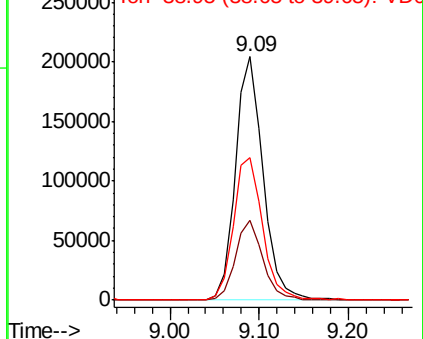
39 58.3 48.6 73.0

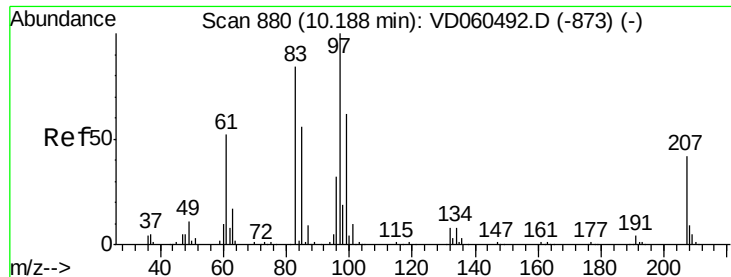


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

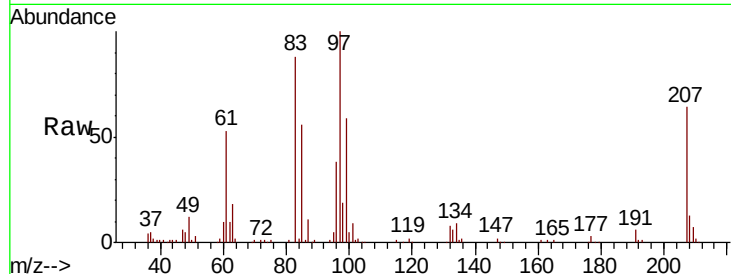




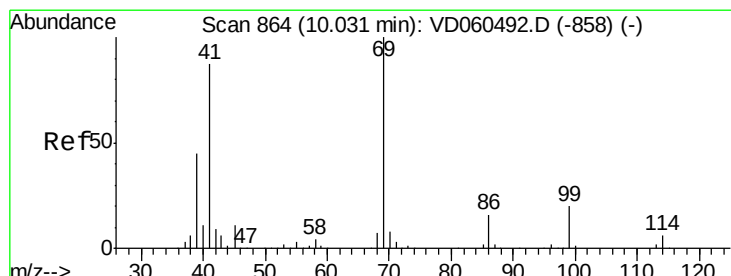
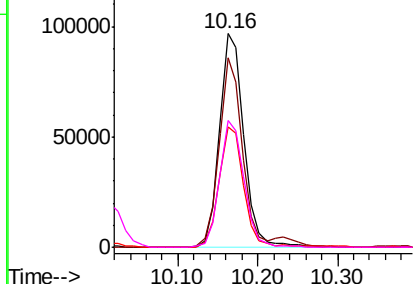
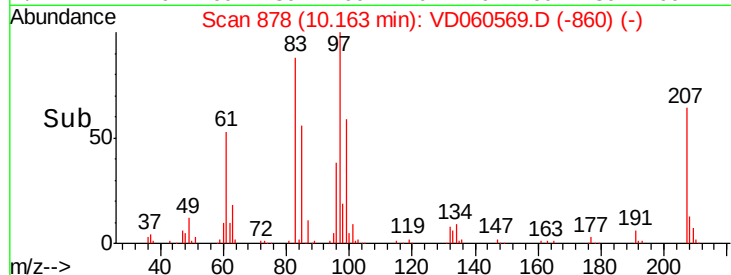
#55
 1,1,2-Trichloroethane
 Concen: 20.618 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 208611
 Ion Ratio Lower Upper
 97 100
 83 88.4 67.2 100.8
 85 56.4 44.5 66.7
 99 59.2 49.3 73.9

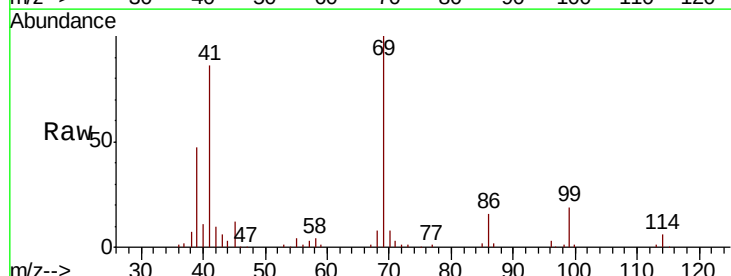


Abundance Ion 96.85 (96.55 to 97.55): VDC
 150000 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

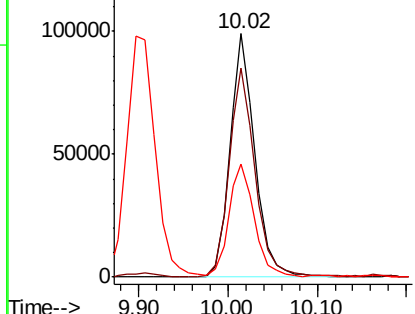
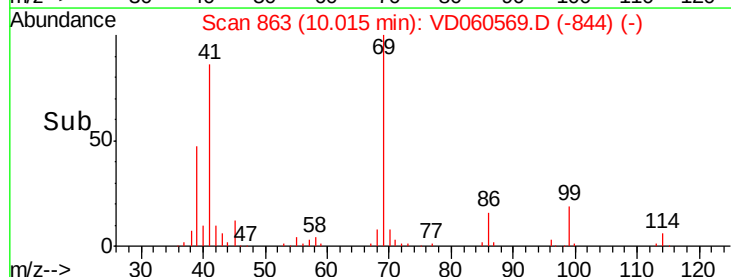


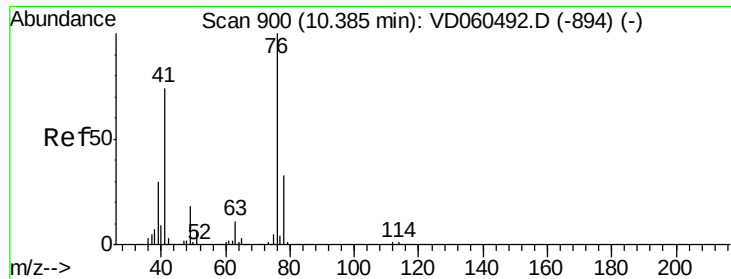
#56
 Ethyl methacrylate
 Concen: 21.034 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 69 Resp: 192604
 Ion Ratio Lower Upper
 69 100
 41 85.8 69.8 104.8
 39 46.6 37.5 56.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.845 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

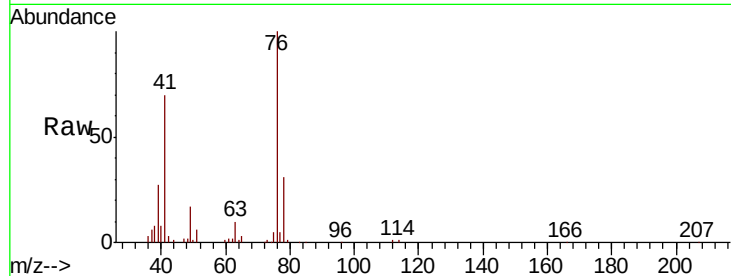
ClientSampleId :

Tot Ion: 76 Resp: 326030

Ion Ratio Lower Upper

76 100

78 31.5 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

200000

150000

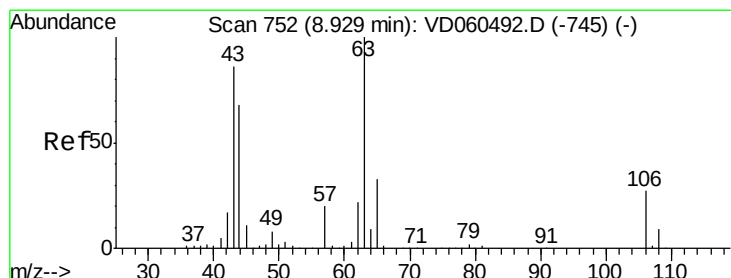
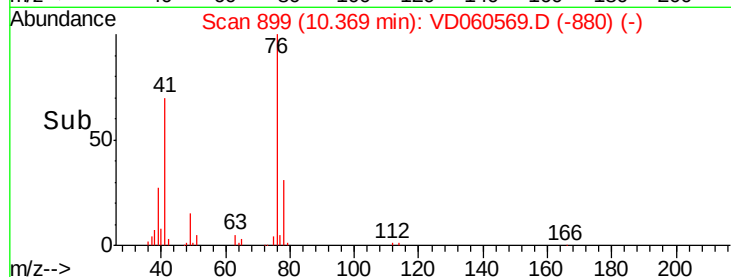
100000

50000

0

10.30 10.40 10.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 113.009 ug/l

RT: 8.91 min Scan# 751

Delta R.T. -0.02 min

Lab File: VD060569.D

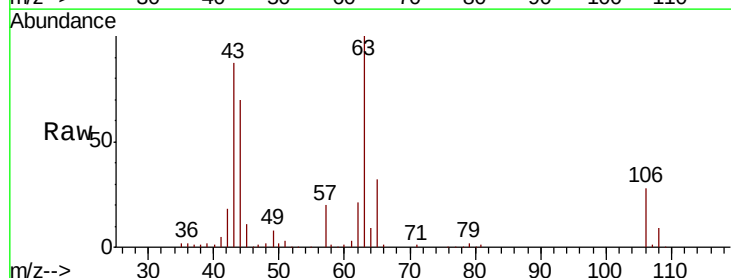
Acq: 14 Dec 2018 13:16

Tgt Ion: 63 Resp: 619173

Ion Ratio Lower Upper

63 100

106 27.6 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

300000

250000

200000

150000

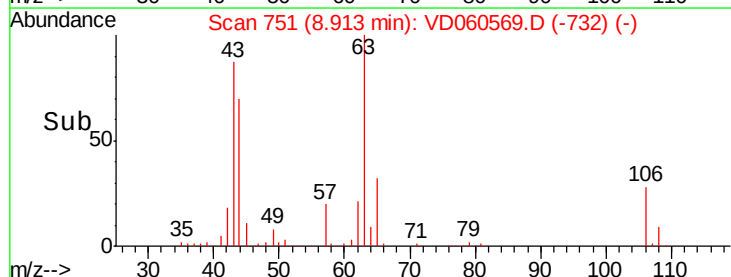
100000

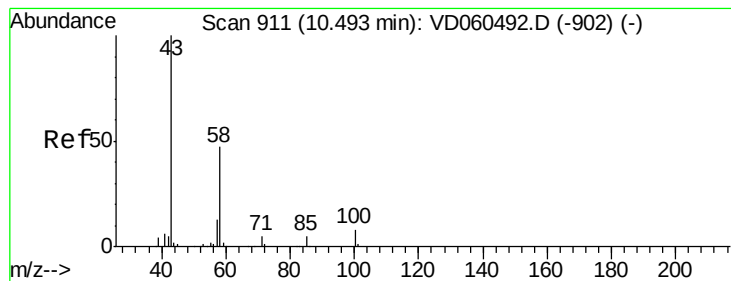
50000

0

8.80 8.90 9.00 9.10

Time-->





#59

2-Hexanone

Concen: 103.114 ug/l

RT: 10.48 min Scan# 910

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

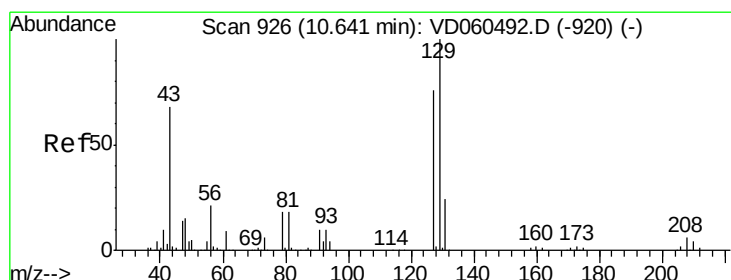
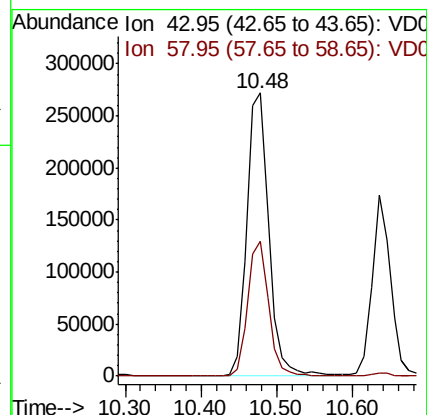
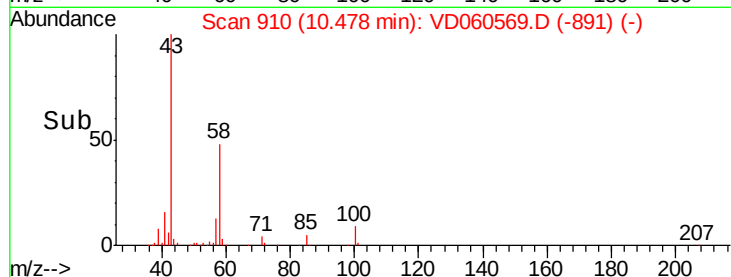
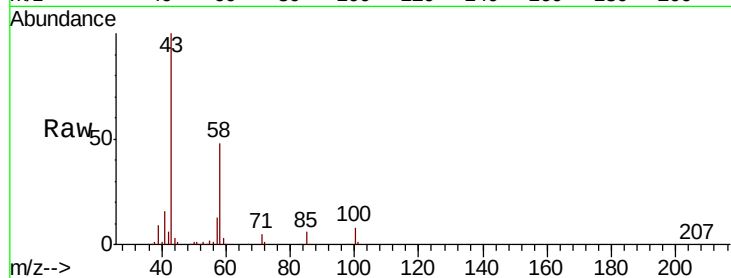
ClientSampleId :

Tot Ion: 43 Resp: 545915

Ion Ratio Lower Upper

43 100

58 47.6 23.4 70.2



#60

Dibromochloromethane

Concen: 20.660 ug/l

RT: 10.63 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD060569.D

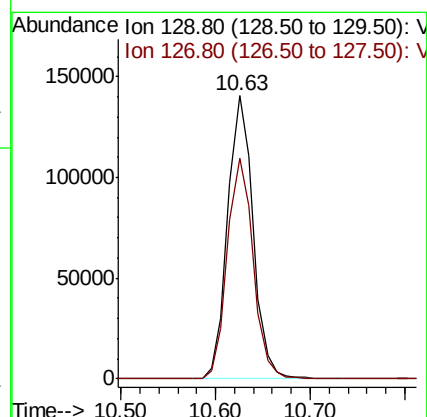
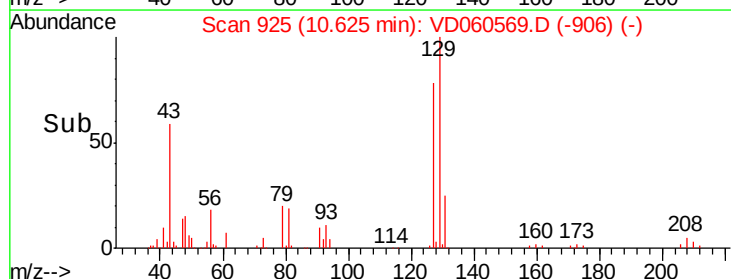
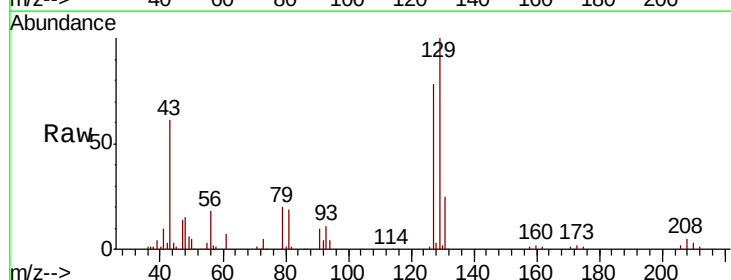
Acq: 14 Dec 2018 13:16

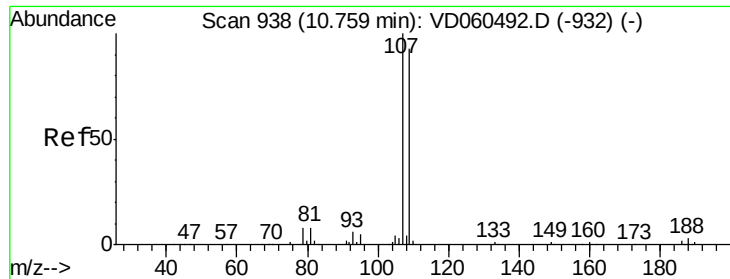
Tgt Ion: 129 Resp: 261354

Ion Ratio Lower Upper

129 100

127 78.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.858 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

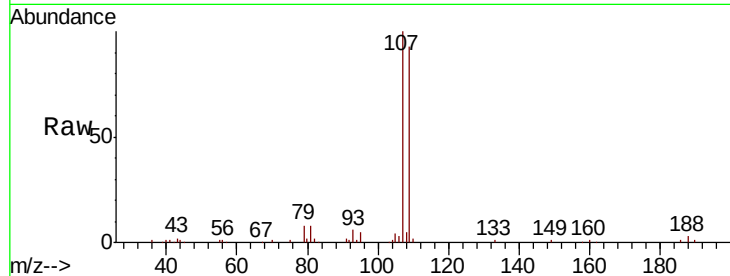
ClientSampled :

Tot Ion:107 Resp: 215071

Ion Ratio Lower Upper

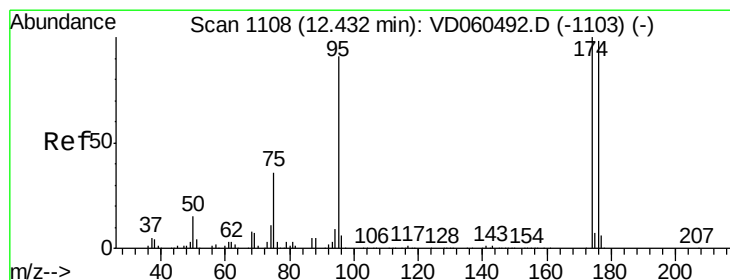
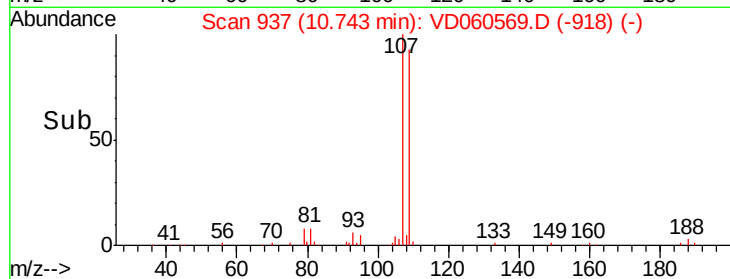
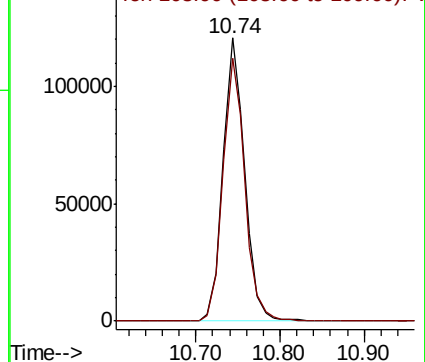
107 100

109 93.0 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.858 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

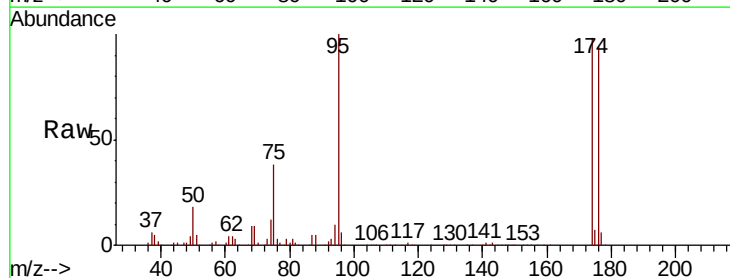
Tgt Ion: 95 Resp: 861063

Ion Ratio Lower Upper

95 100

174 97.8 0.0 219.4

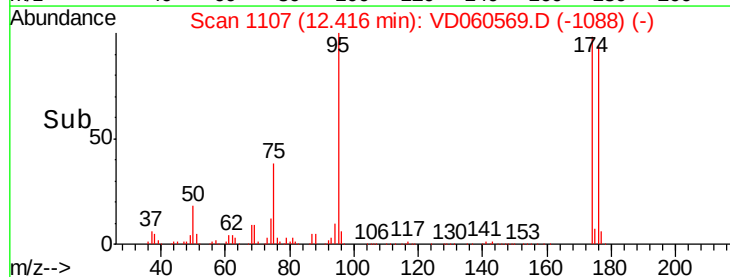
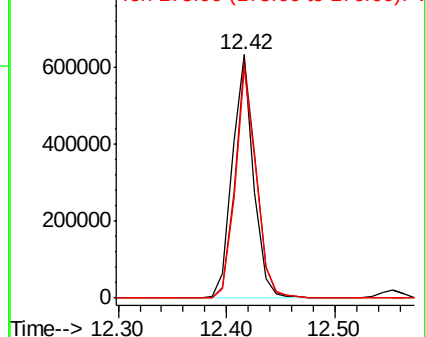
176 94.3 0.0 214.6

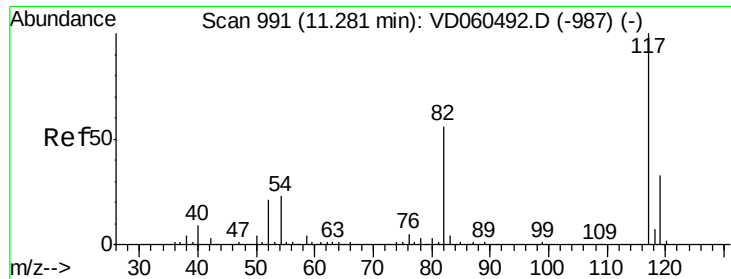


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

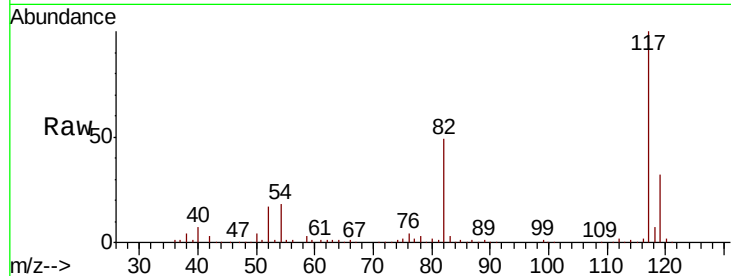




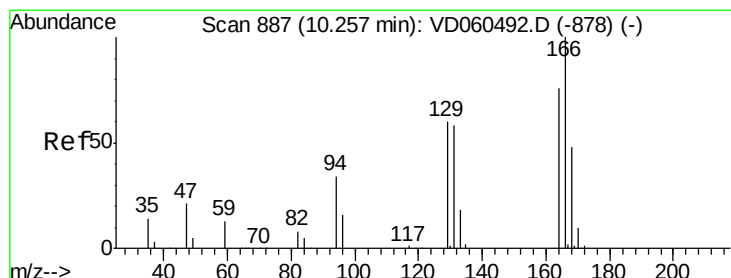
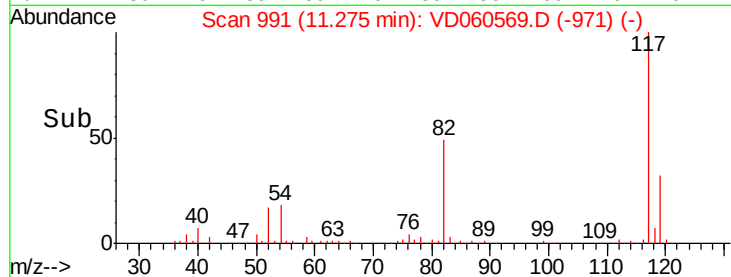
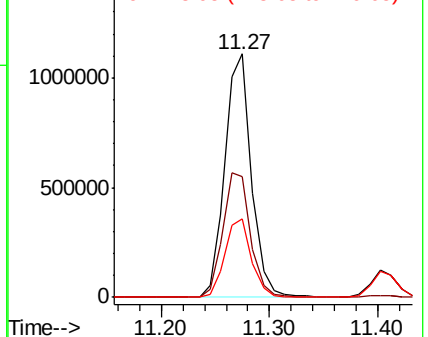
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1883895
Ion Ratio Lower Upper
117 100
82 49.4 45.2 67.8
119 32.2 26.1 39.1

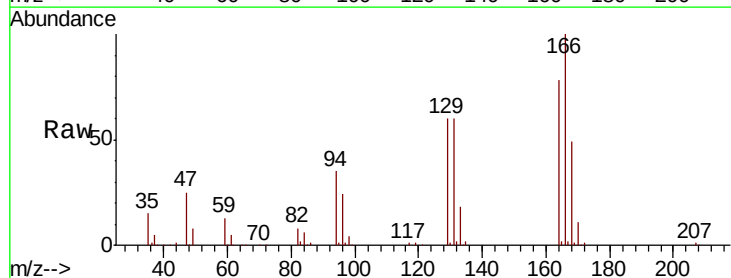


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

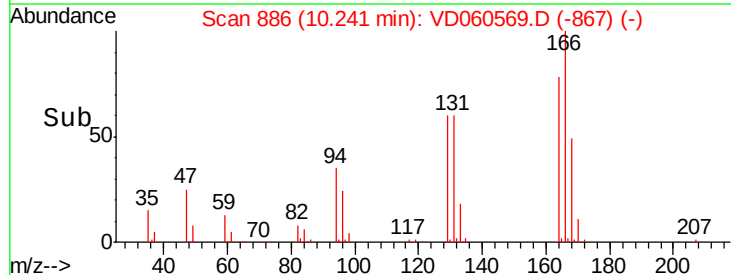
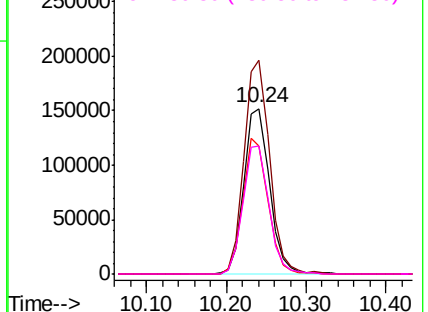


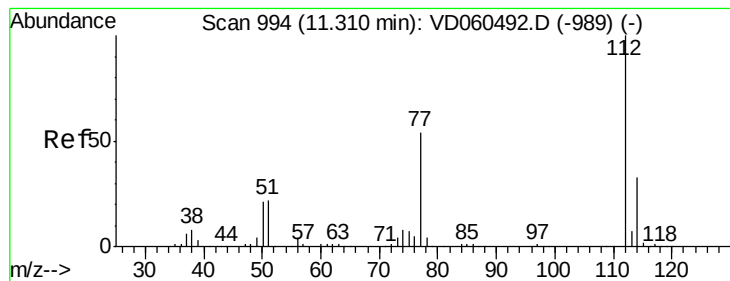
#64
Tetrachloroethene
Concen: 20.122 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion:164 Resp: 335662
Ion Ratio Lower Upper
164 100
166 128.9 105.0 157.6
129 76.9 63.0 94.4
131 77.0 60.6 90.8



Abundance Ion 163.85 (163.55 to 164.55): V
300000 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: 20.510 ug/l

RT: 11.30 min Scan# 994

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

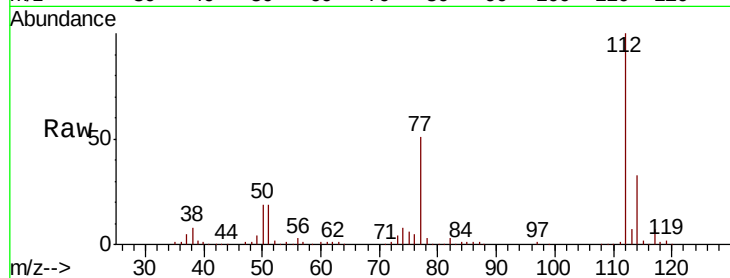
ClientSampled :

Tot Ion:112 Resp: 817444

Ion Ratio Lower Upper

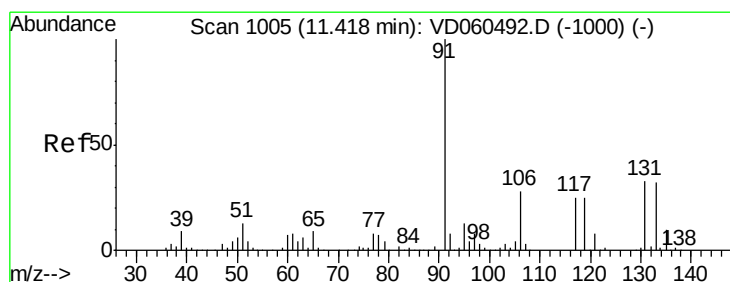
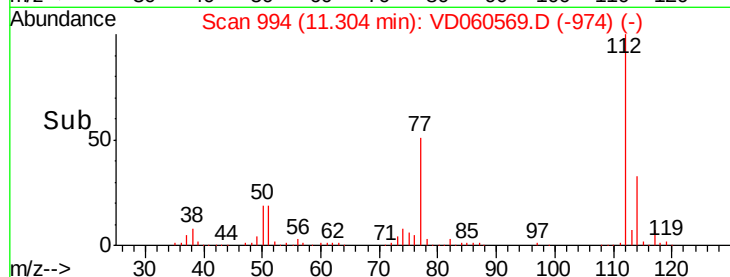
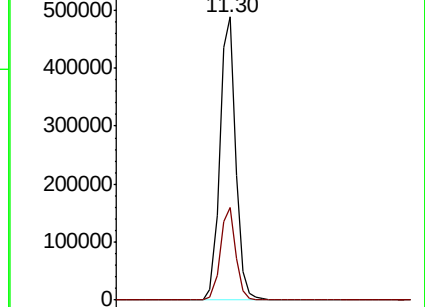
112 100

114 32.8 26.2 39.4



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: 21.243 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

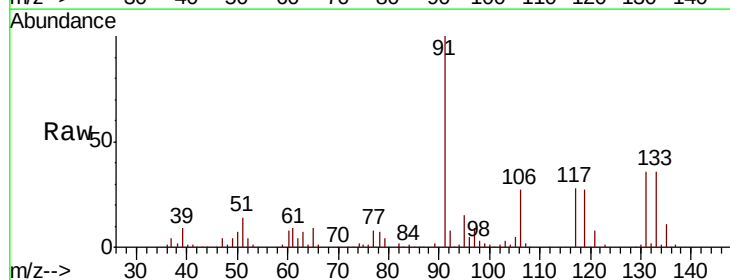
Tgt Ion:131 Resp: 272887

Ion Ratio Lower Upper

131 100

133 98.0 49.1 147.3

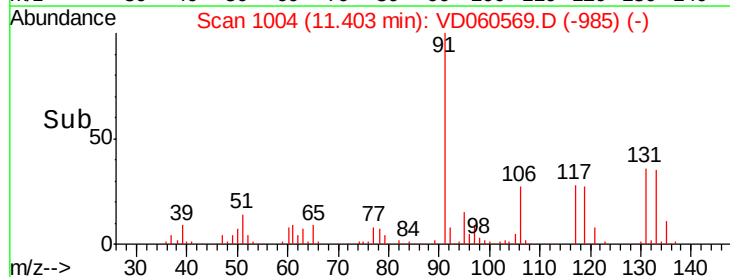
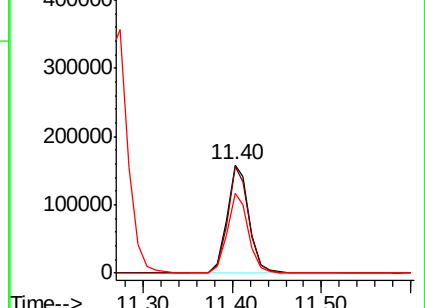
119 73.6 37.5 112.3

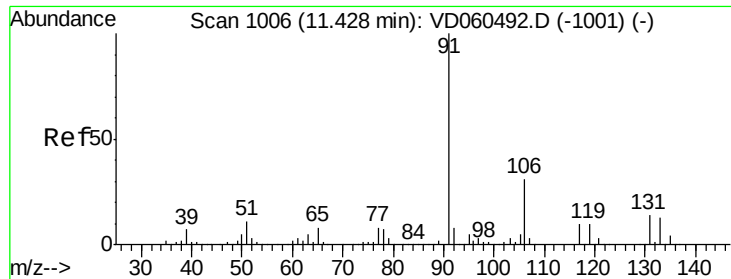


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

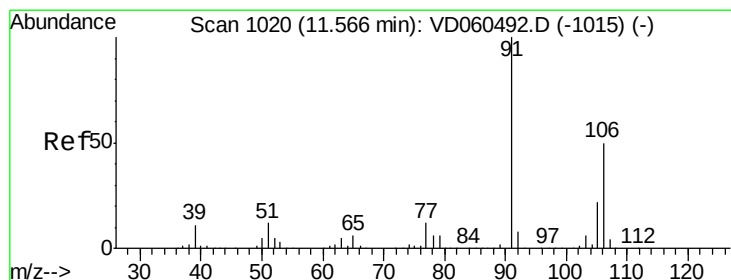
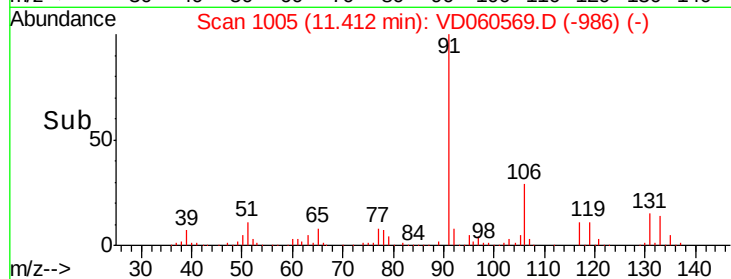
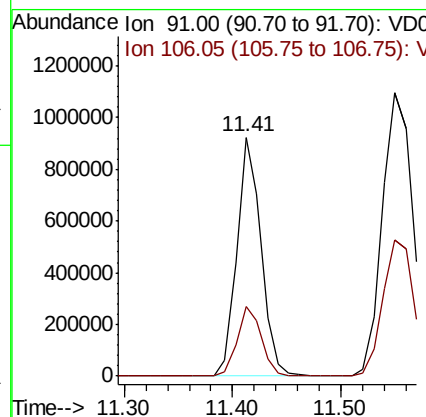
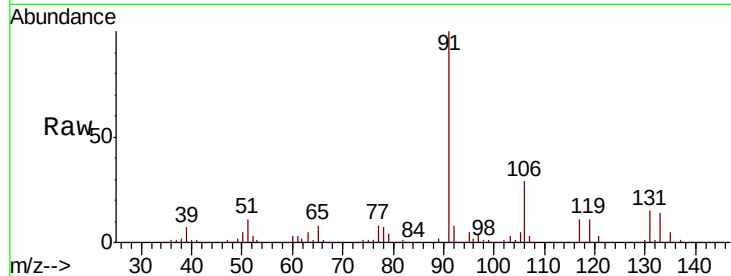




#67
Ethyl Benzene
Concen: 21.083 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

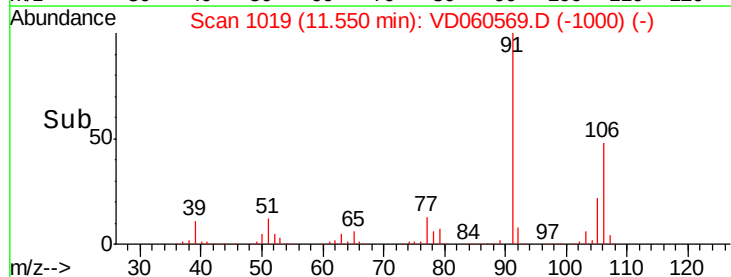
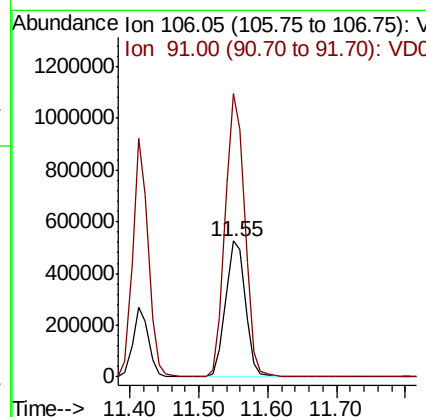
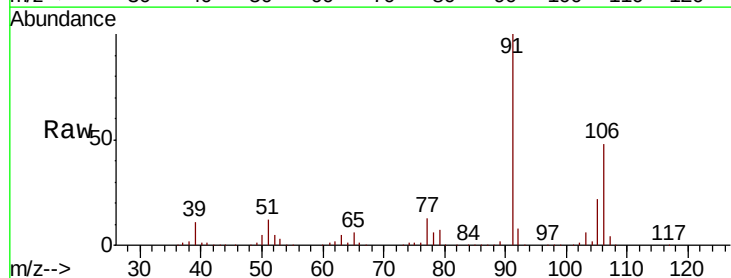
Instrument :
MSVOA_D
ClientSampled :

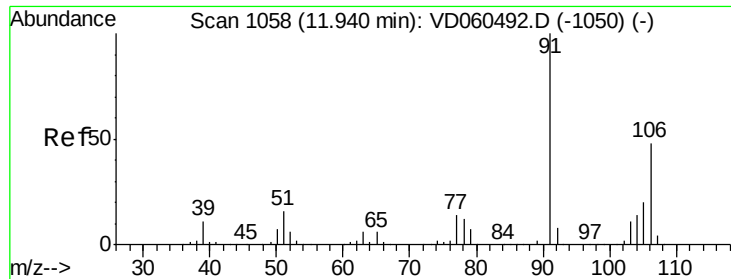
Tot Ion: 91 Resp: 1433267
Ion Ratio Lower Upper
91 100
106 29.3 24.6 37.0



#68
m/p-Xylenes
Concen: 41.638 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 106 Resp: 1047178
Ion Ratio Lower Upper
106 100
91 208.4 160.5 240.7

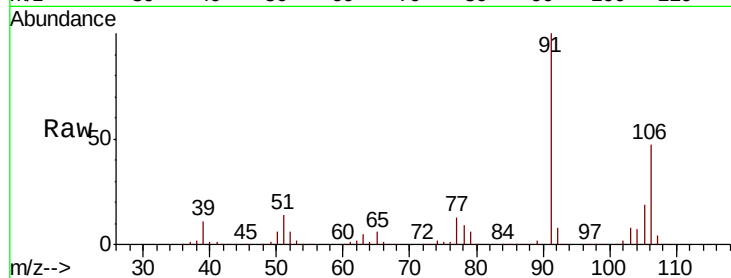




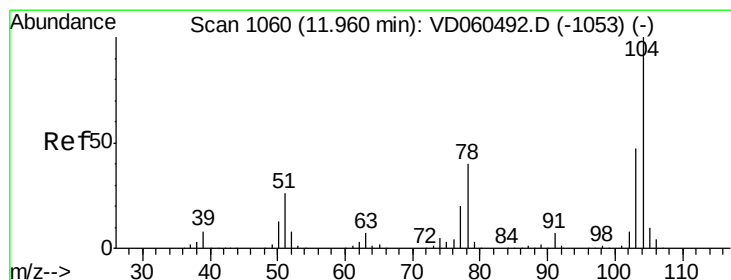
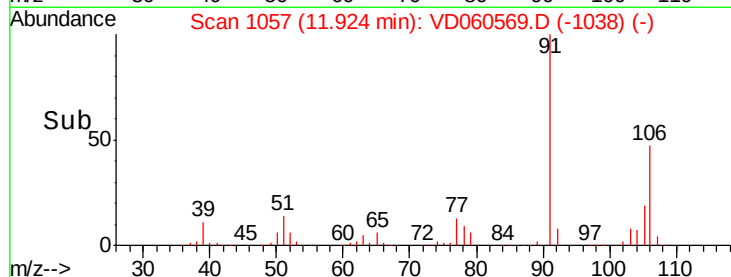
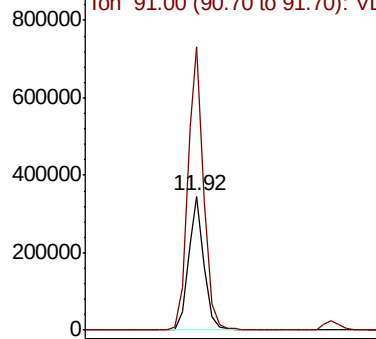
#69
o-Xylene
Concen: 20.529 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 492029
Ion Ratio Lower Upper
106 100
91 211.8 103.4 310.1

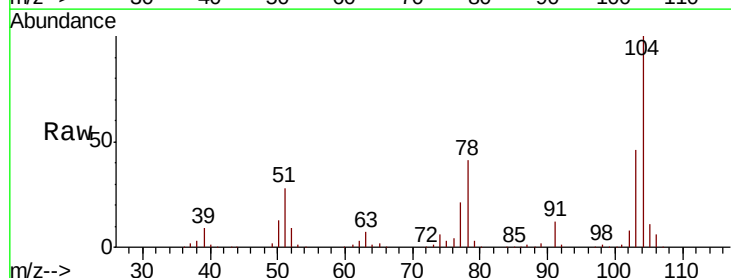


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

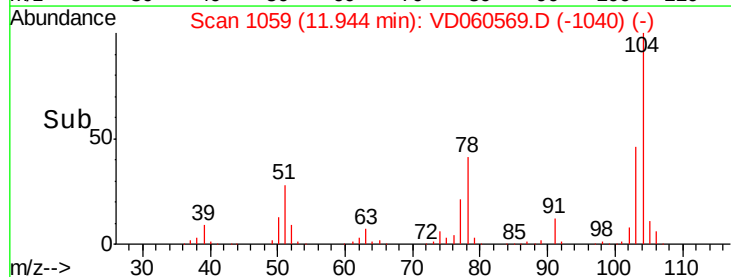
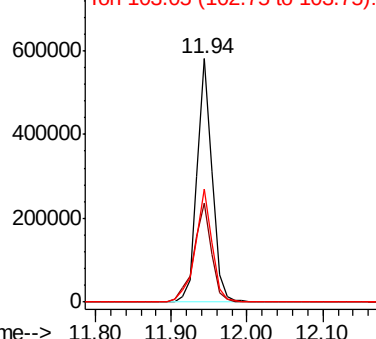


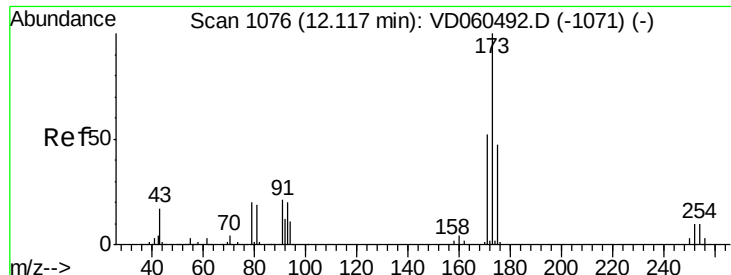
#70
Styrene
Concen: 20.776 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion:104 Resp: 799274
Ion Ratio Lower Upper
104 100
78 40.5 32.1 48.1
103 46.4 37.2 55.8



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





#71

Bromoform

Concen: 19.661 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampled :

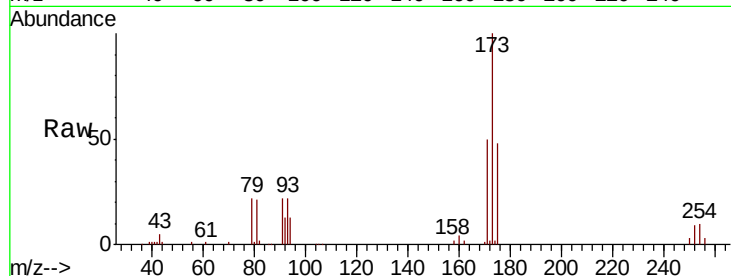
Tot Ion:173 Resp: 168502

Ion Ratio Lower Upper

173 100

175 47.7 23.5 70.6

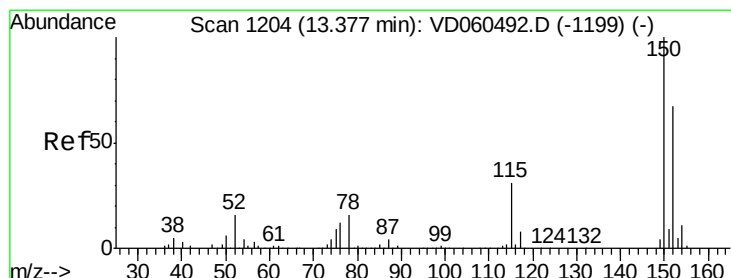
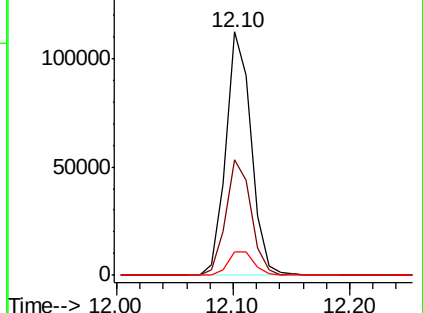
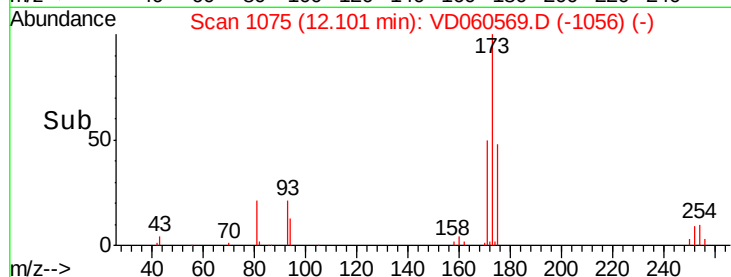
254 9.6 7.8 11.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

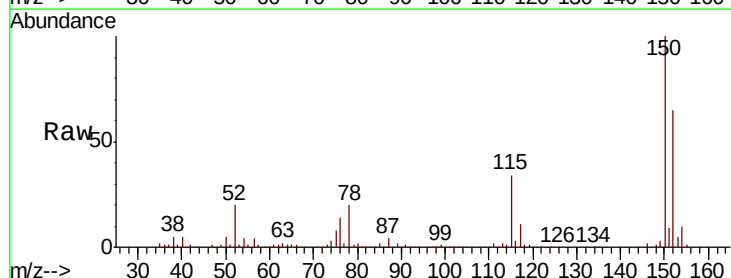
Tgt Ion:152 Resp: 929445

Ion Ratio Lower Upper

152 100

115 52.3 24.6 74.0

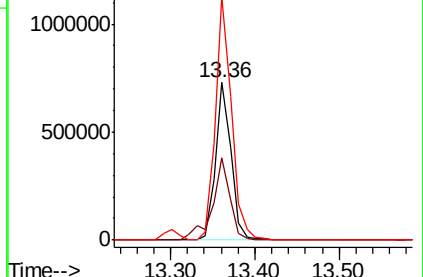
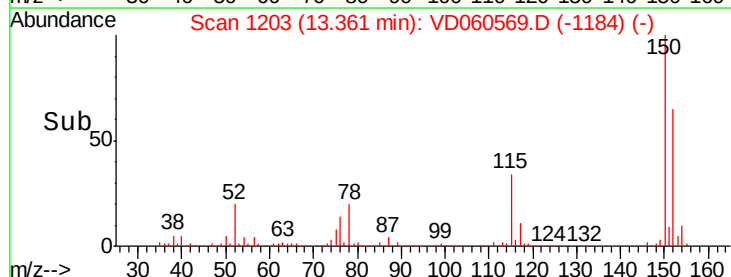
150 154.4 0.0 309.0

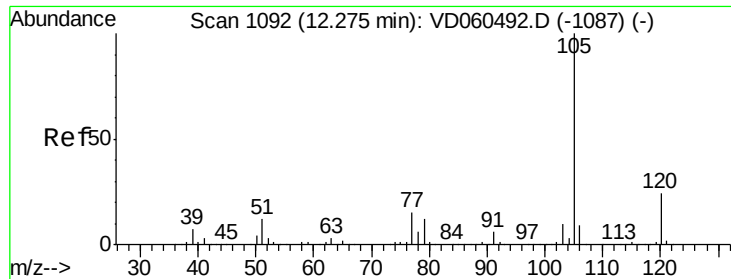


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.150 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

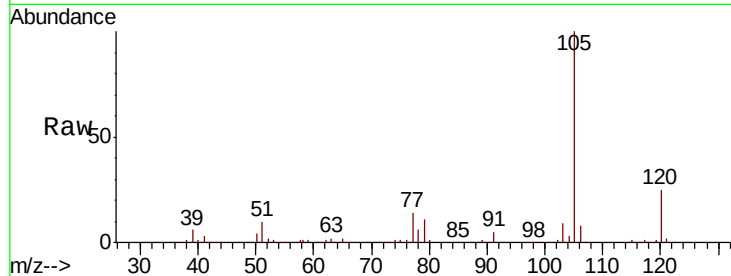
ClientSampleId :

Tot Ion:105 Resp: 1391024

Ion Ratio Lower Upper

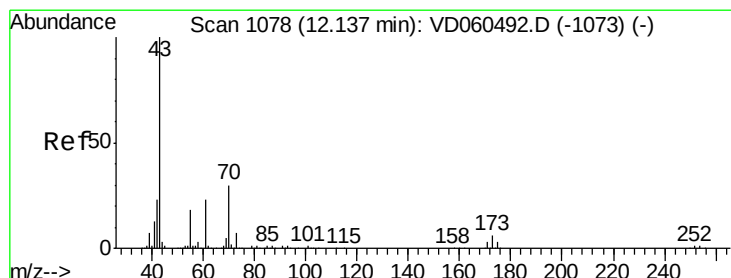
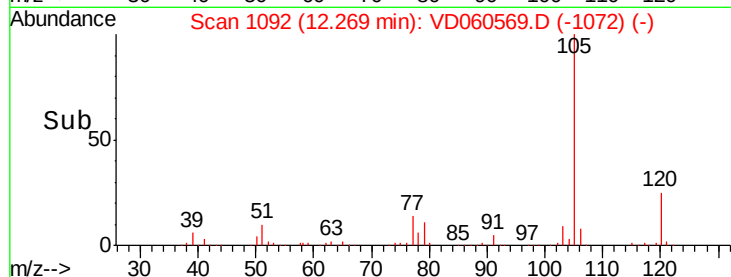
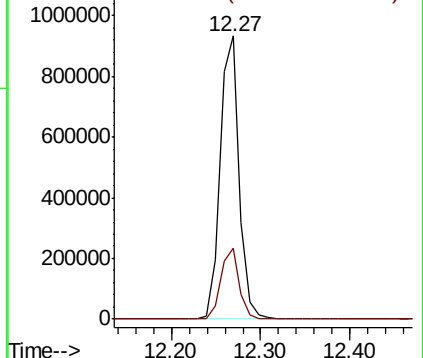
105 100

120 24.9 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.800 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Tgt Ion: 43 Resp: 314730

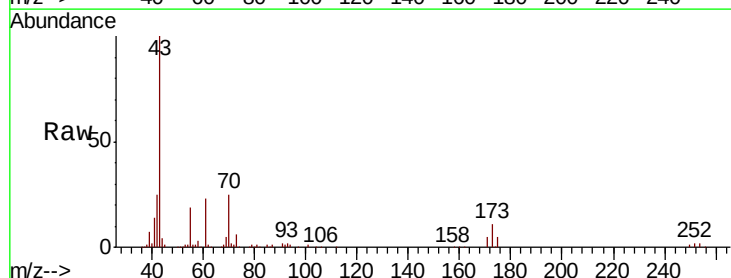
Ion Ratio Lower Upper

43 100

70 25.4 23.8 35.8

55 18.8 14.2 21.2

61 22.7 18.1 27.1

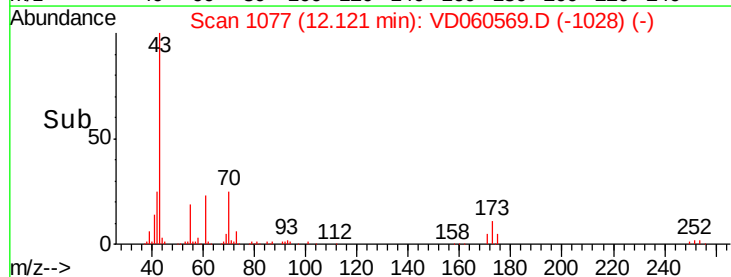
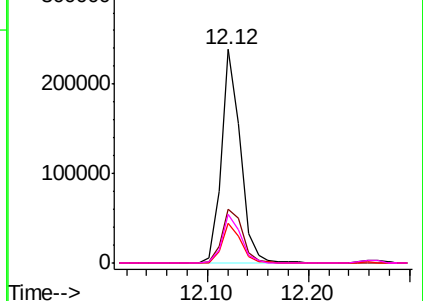


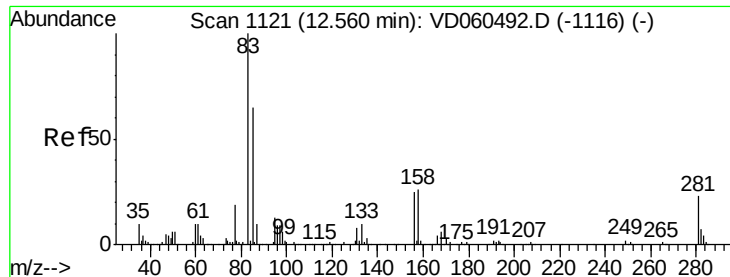
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.497 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

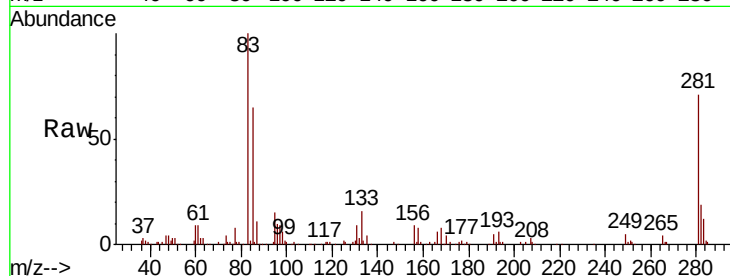
Tot Ion: 83 Resp: 215825

Ion Ratio Lower Upper

83 100

131 9.1 3.8 11.4

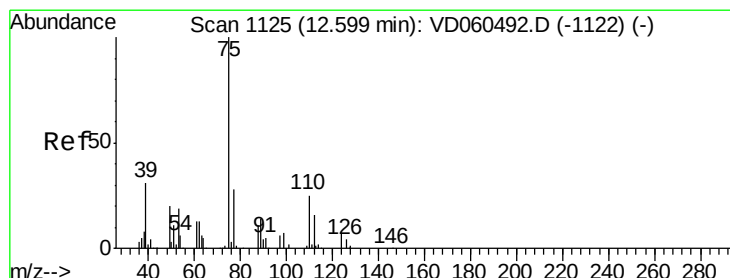
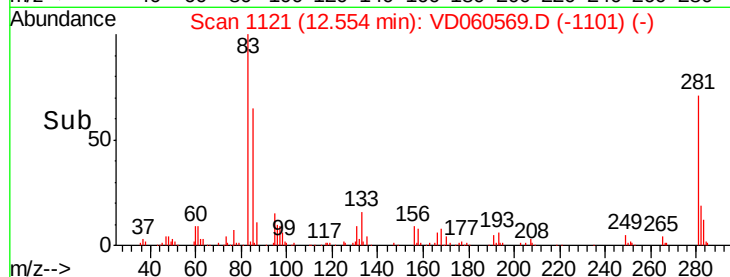
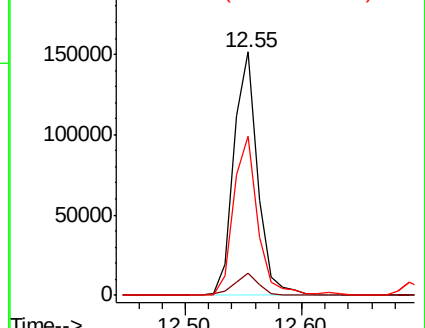
85 65.4 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.903 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060569.D

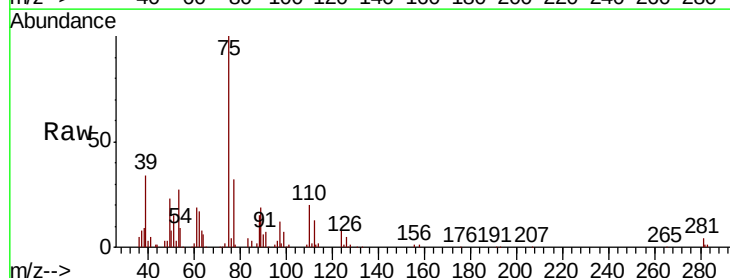
Acq: 14 Dec 2018 13:16

Tgt Ion: 75 Resp: 220130

Ion Ratio Lower Upper

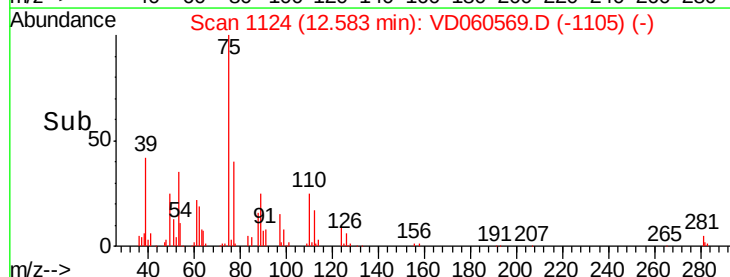
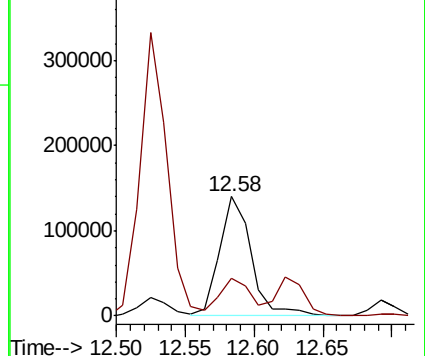
75 100

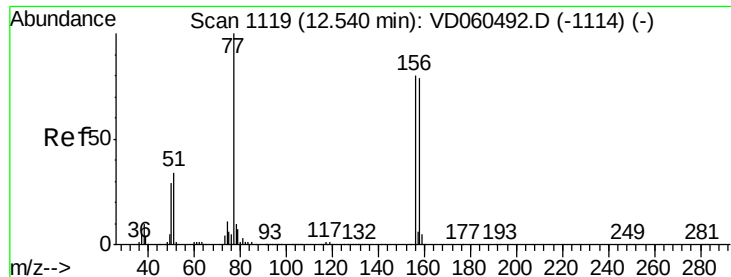
77 31.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.119 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampled :

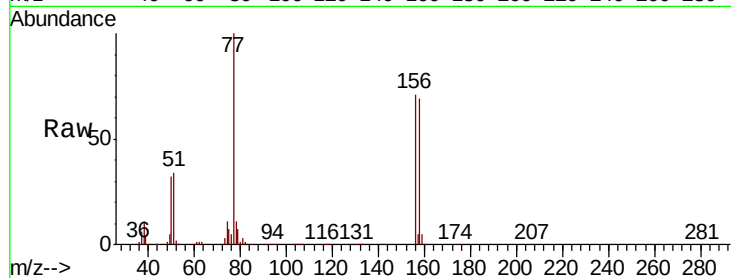
Tot Ion:156 Resp: 365111

Ion Ratio Lower Upper

156 100

77 140.7 62.5 187.6

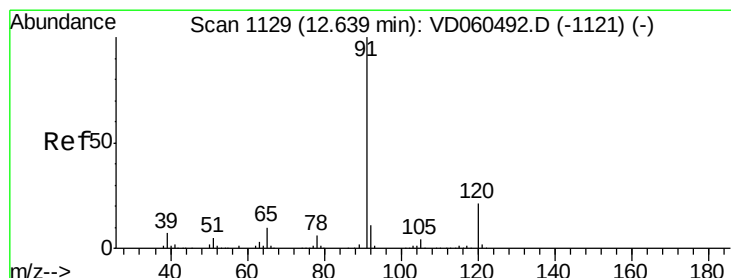
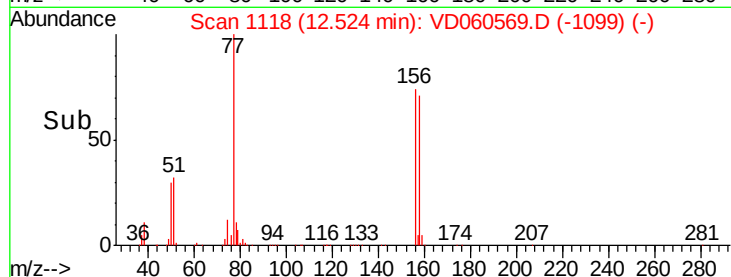
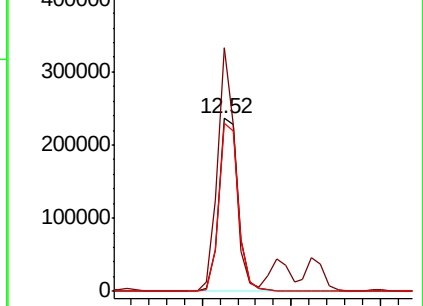
158 97.0 49.4 148.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.079 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060569.D

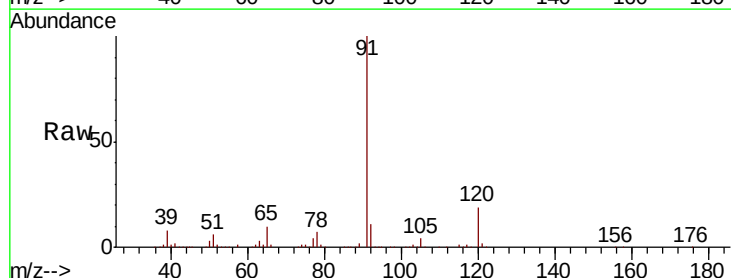
Acq: 14 Dec 2018 13:16

Tgt Ion: 91 Resp: 1752481

Ion Ratio Lower Upper

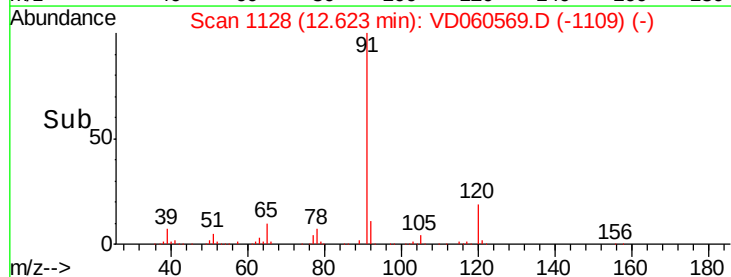
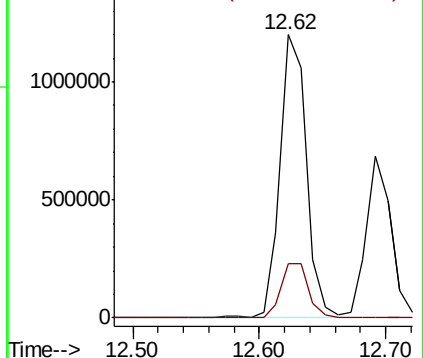
91 100

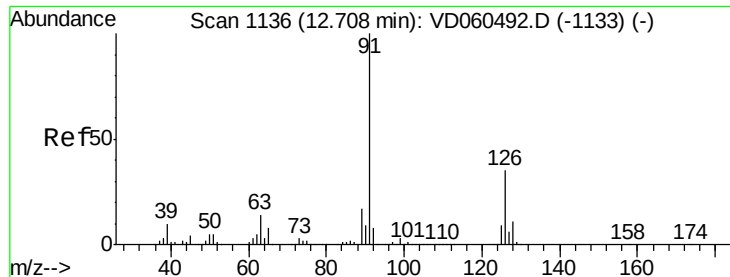
120 19.1 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.912 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

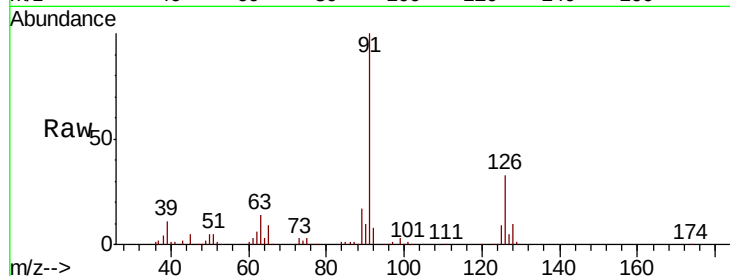
ClientSampleId :

Tot Ion: 91 Resp: 943438

Ion Ratio Lower Upper

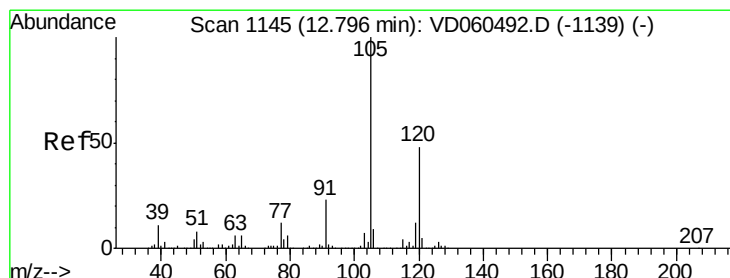
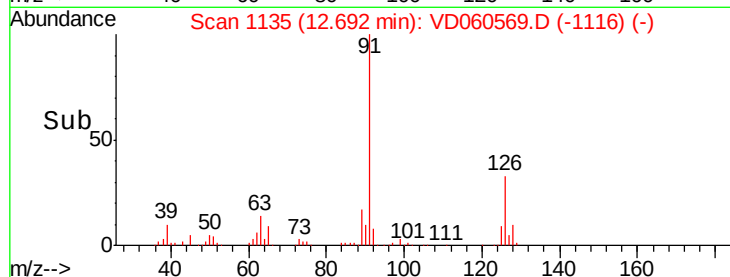
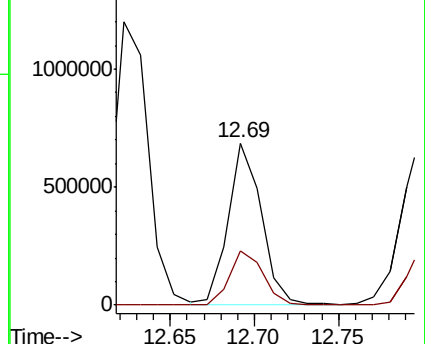
91 100

126 33.1 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.526 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060569.D

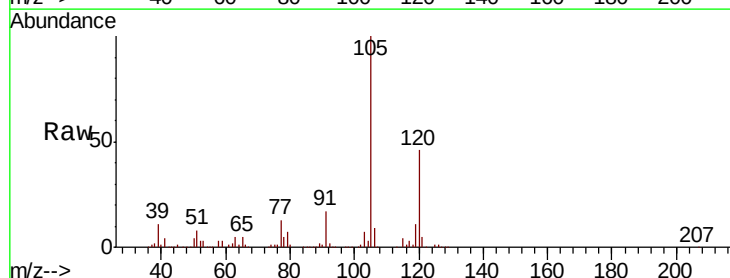
Acq: 14 Dec 2018 13:16

Tgt Ion:105 Resp: 1081846

Ion Ratio Lower Upper

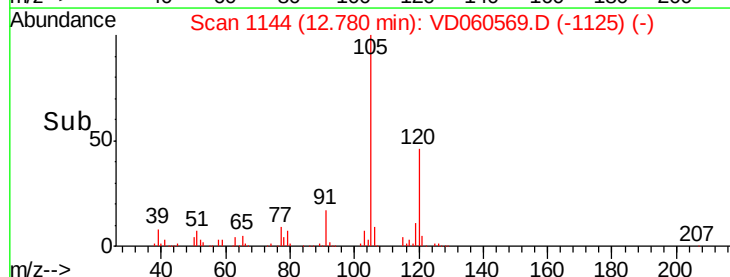
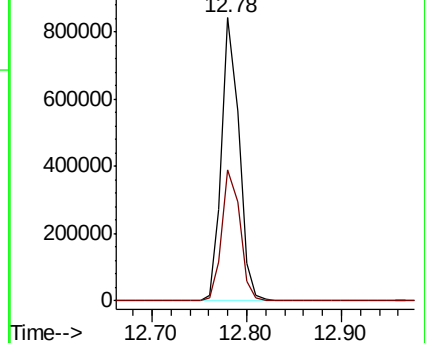
105 100

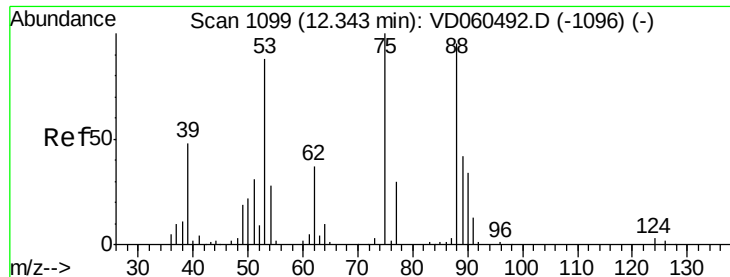
120 46.4 24.2 72.6



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: 20.041 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampled :

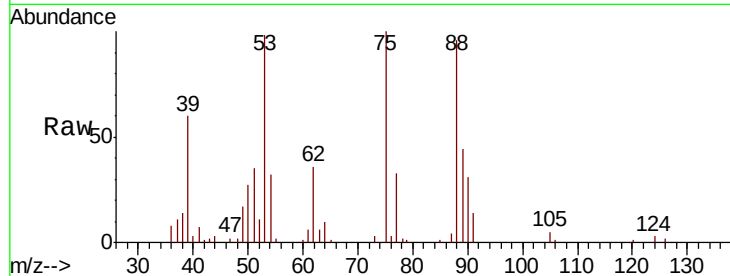
Tot Ion: 75 Resp: 58864

Ion Ratio Lower Upper

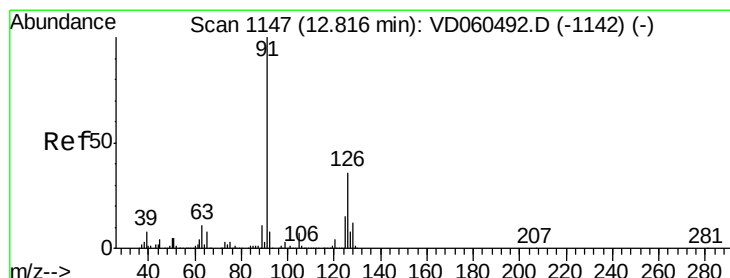
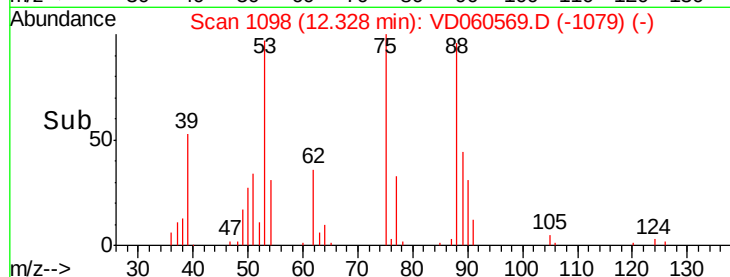
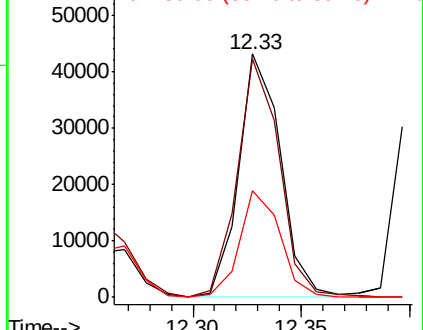
75 100

53 98.2 70.5 105.7

89 43.7 33.6 50.4



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: 21.188 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD060569.D

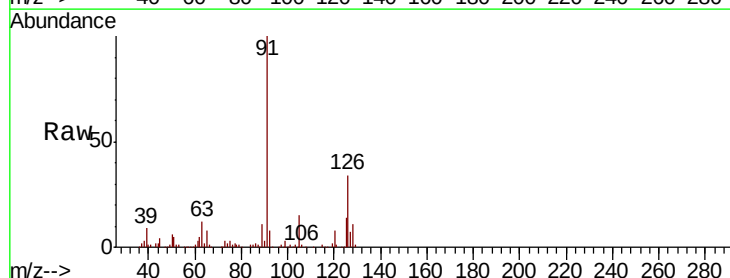
Acq: 14 Dec 2018 13:16

Tgt Ion: 91 Resp: 1073599

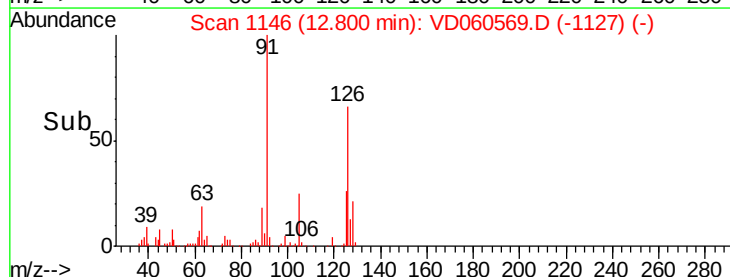
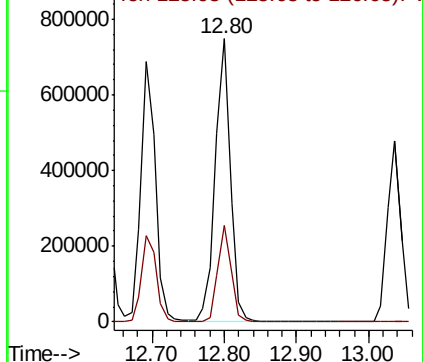
Ion Ratio Lower Upper

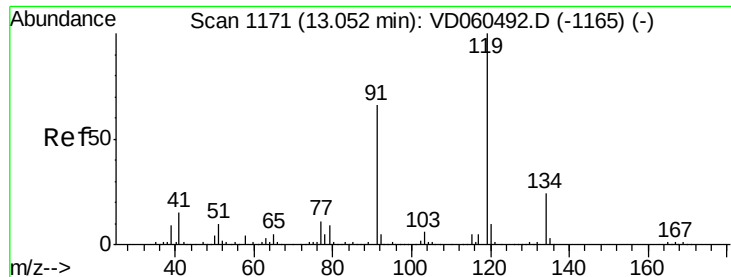
91 100

126 34.3 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

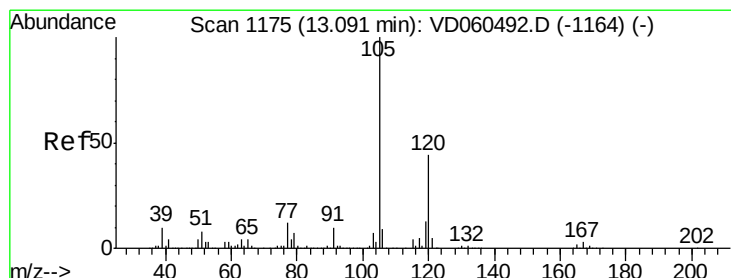
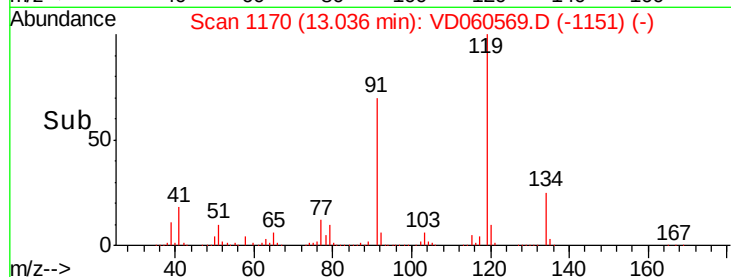
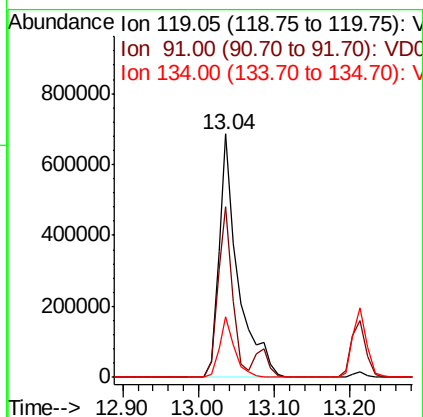
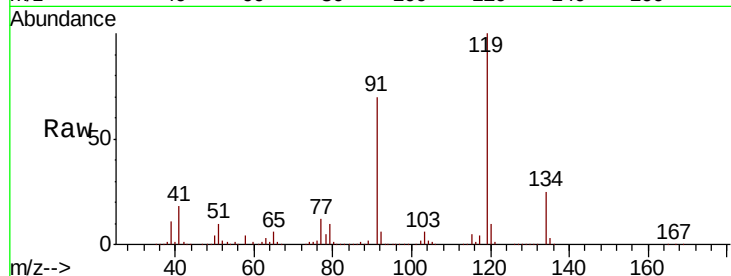




#83
 tert-Butylbenzene
 Concen: 21.462 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

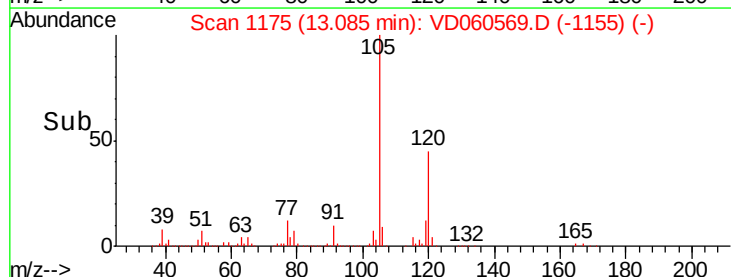
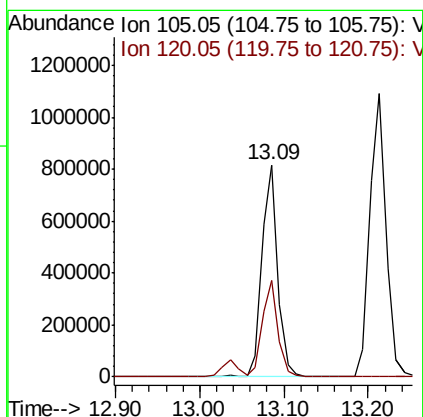
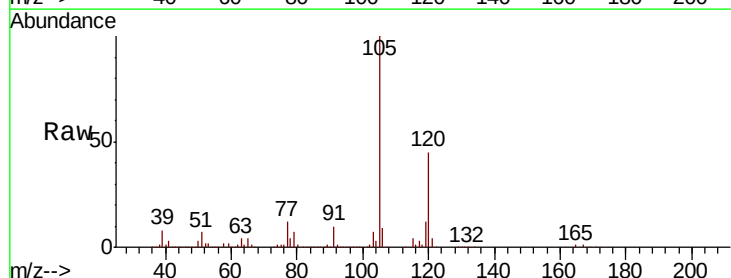
Instrument :
 MSVOA_D
 ClientSampled :

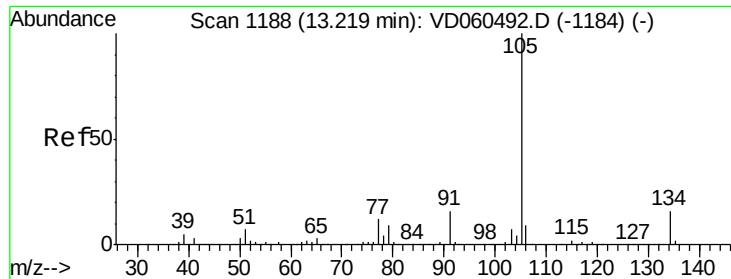
Tot Ion:119 Resp: 1209389
 Ion Ratio Lower Upper
 119 100
 91 69.9 33.1 99.2
 134 24.9 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.966 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion:105 Resp: 1091037
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.632 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

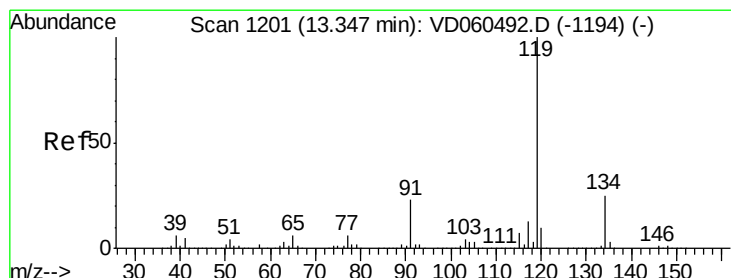
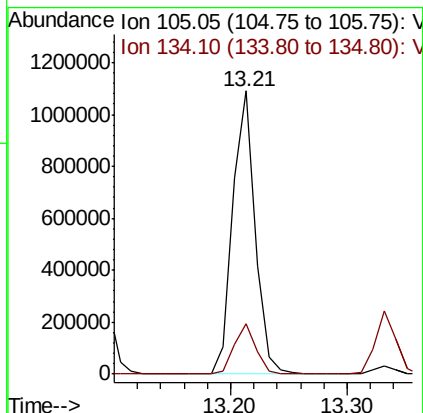
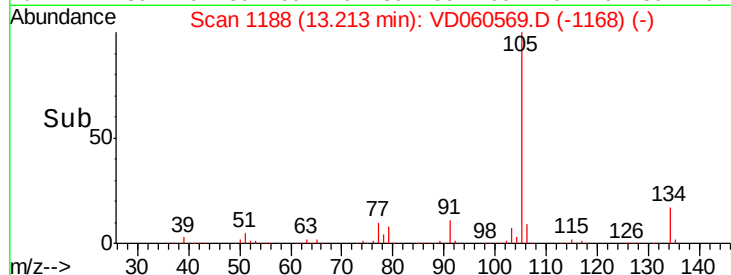
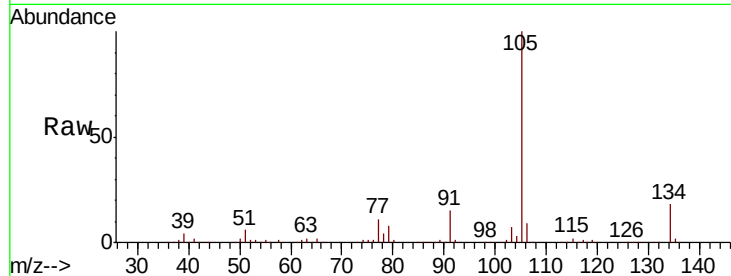
ClientSampled :

Tot Ion:105 Resp: 1449053

Ion Ratio Lower Upper

105 100

134 18.0 7.9 23.7



#86

p-Isopropyltoluene

Concen: 21.744 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

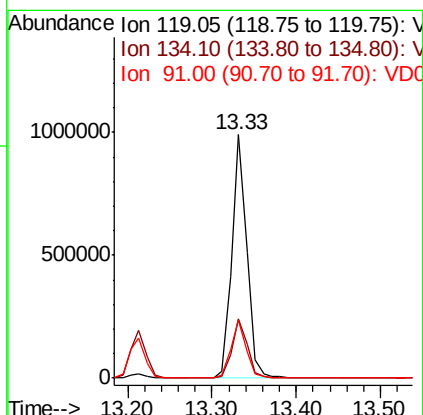
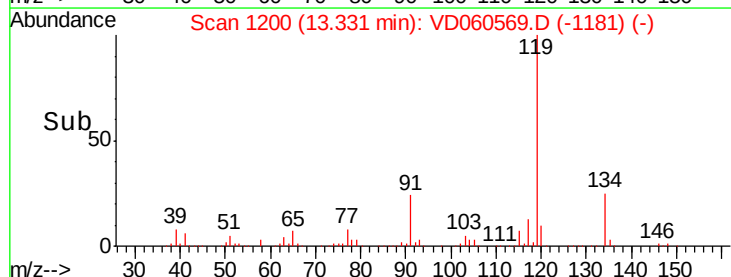
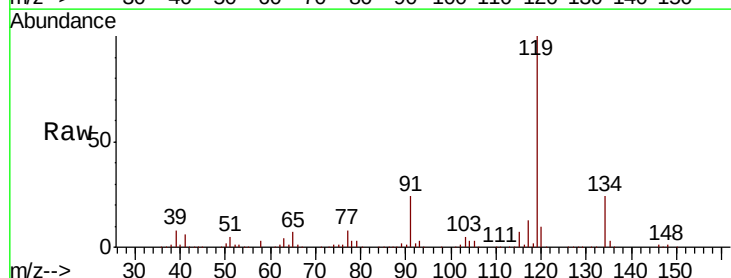
Tgt Ion:119 Resp: 1210595

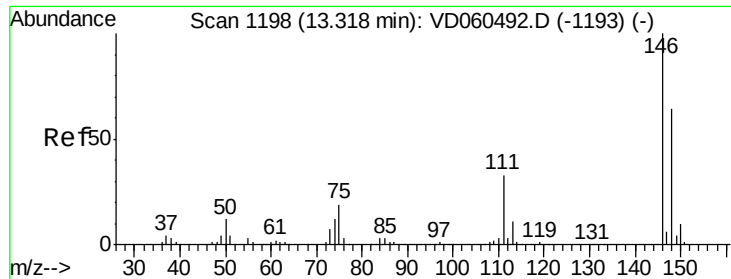
Ion Ratio Lower Upper

119 100

134 24.5 12.5 37.5

91 23.8 11.5 34.4

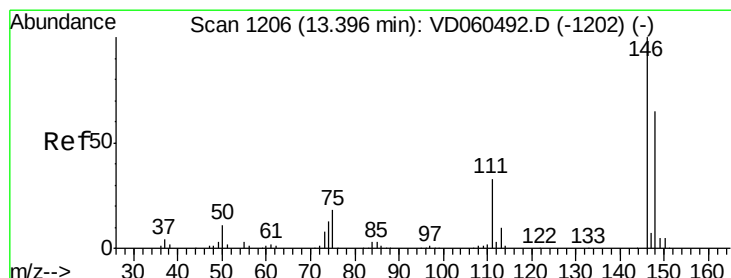
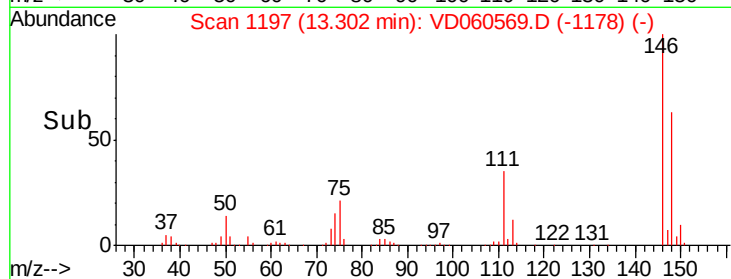
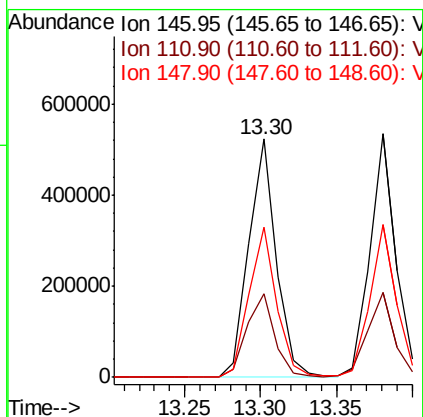
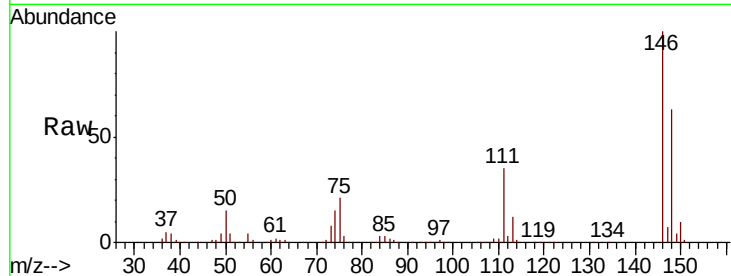




#87
 1,3-Dichlorobenzene
 Concen: 21.143 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

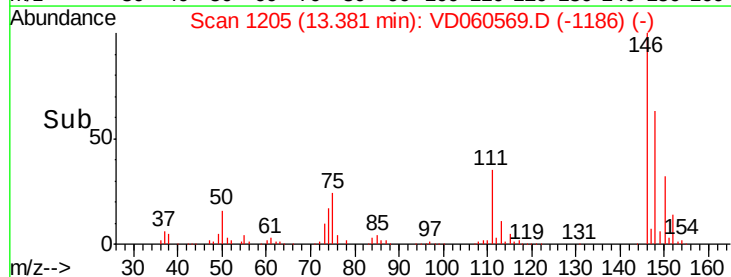
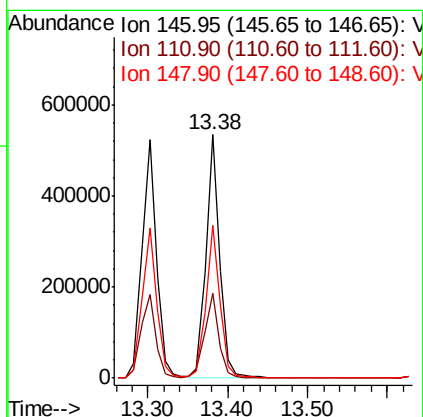
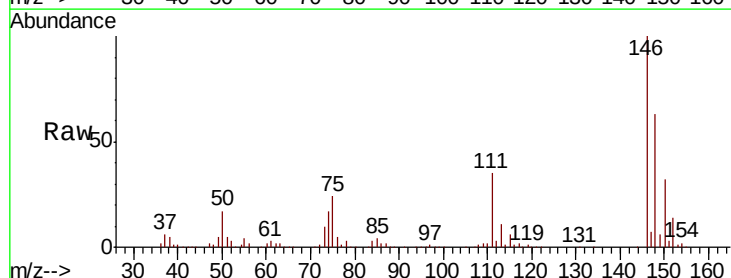
Instrument :
 MSVOA_D
 ClientSampleId :

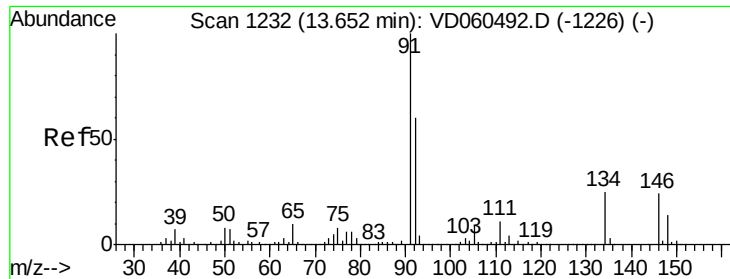
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.0	16.5	49.5
148	62.8	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.912 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	16.4	49.1
148	62.8	32.6	98.0

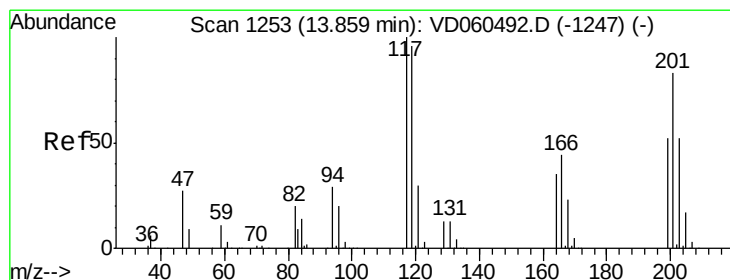
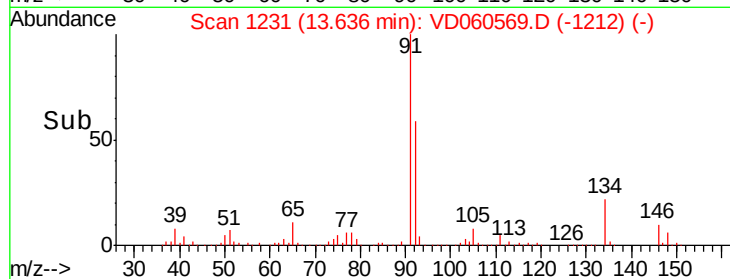
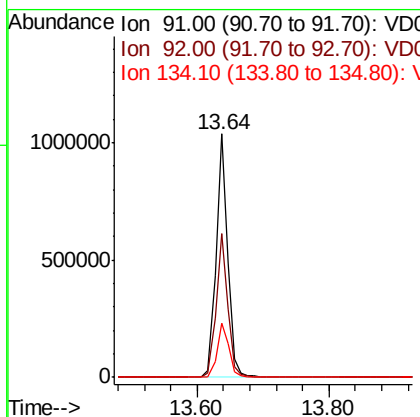
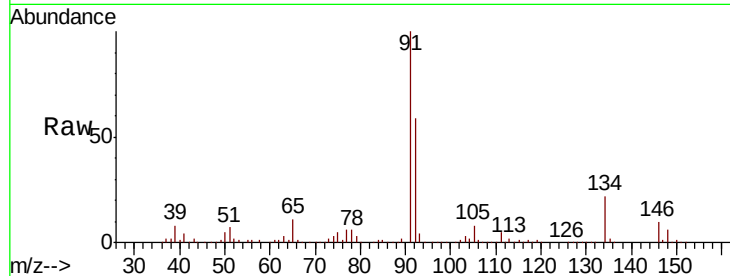




#89
n-Butylbenzene
Concen: 20.020 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

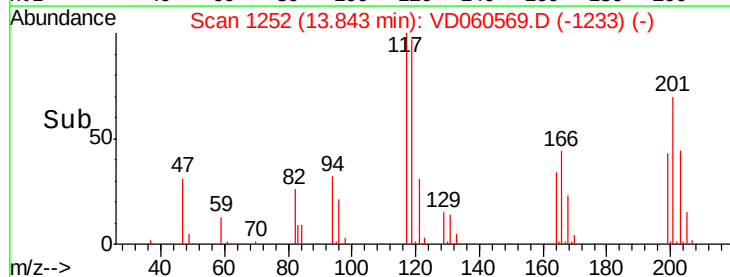
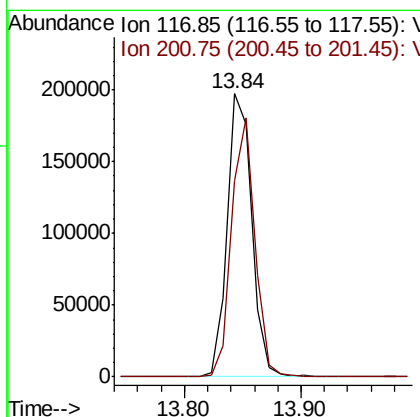
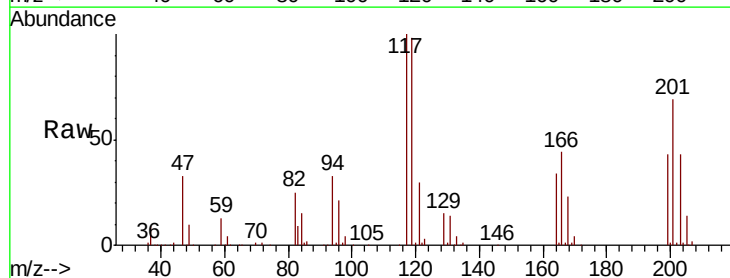
Instrument :
MSVOA_D
ClientSampleId :

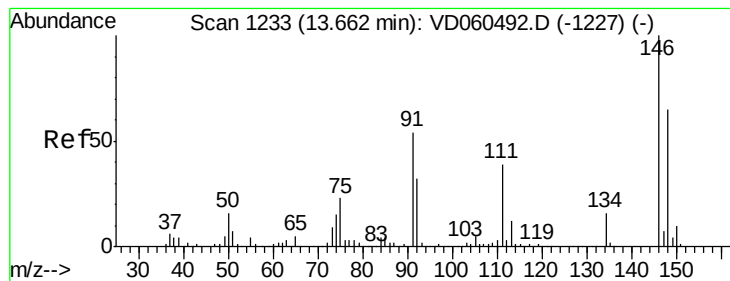
Tot Ion: 91 Resp: 1241273
Ion Ratio Lower Upper
91 100
92 59.0 30.0 90.1
134 22.1 12.5 37.5



#90
Hexachloroethane
Concen: 20.672 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 117 Resp: 288557
Ion Ratio Lower Upper
117 100
201 69.5 41.3 123.9





#91

1,2-Dichlorobenzene

Concen: 21.535 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampled :

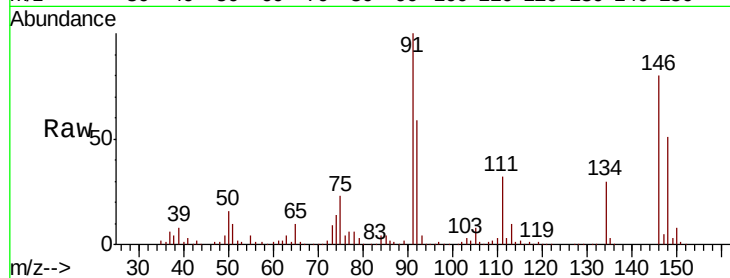
Tot Ion:146 Resp: 550876

Ion Ratio Lower Upper

146 100

111 40.5 19.3 57.8

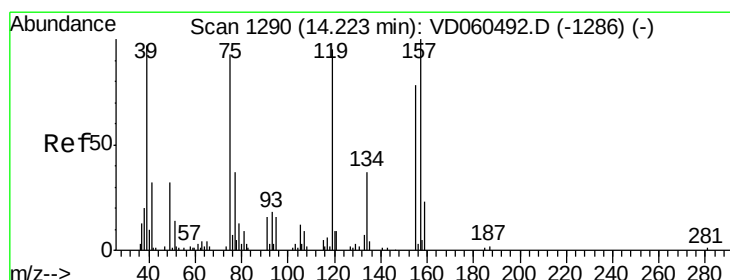
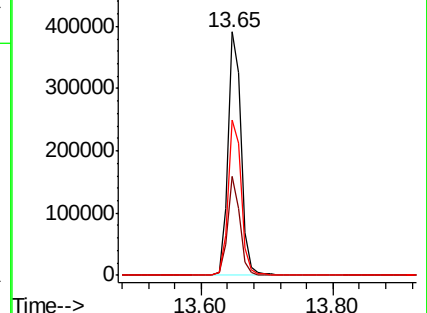
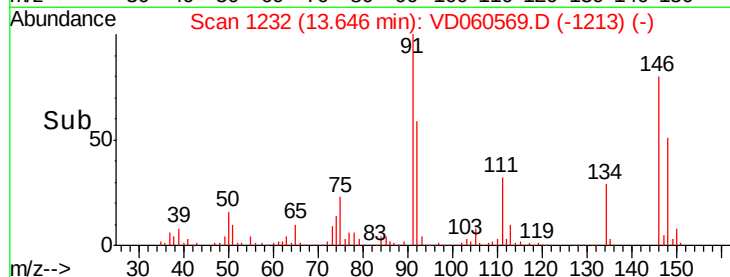
148 63.8 32.3 96.8



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: 18.980 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

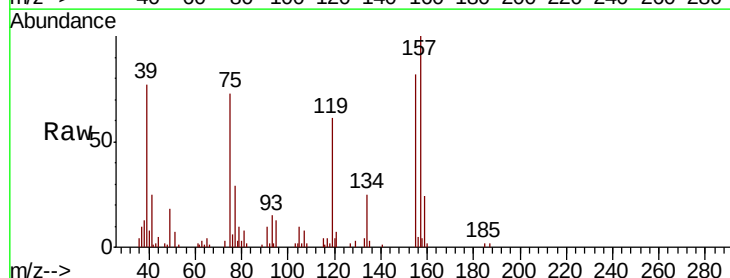
Tgt Ion: 75 Resp: 24215

Ion Ratio Lower Upper

75 100

155 113.5 41.6 124.9

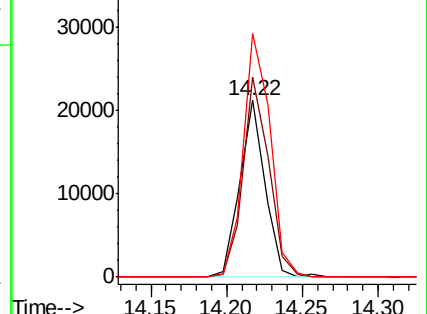
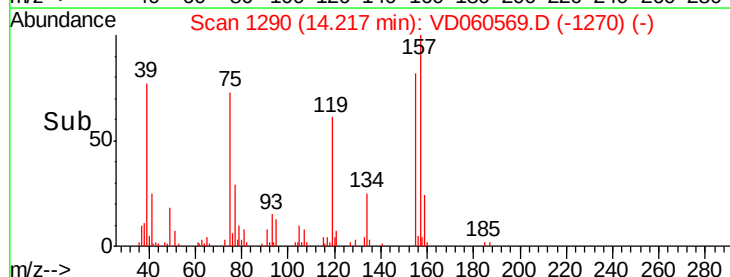
157 137.8 53.6 160.8

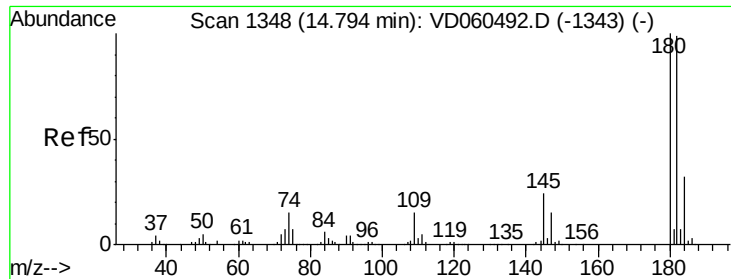


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

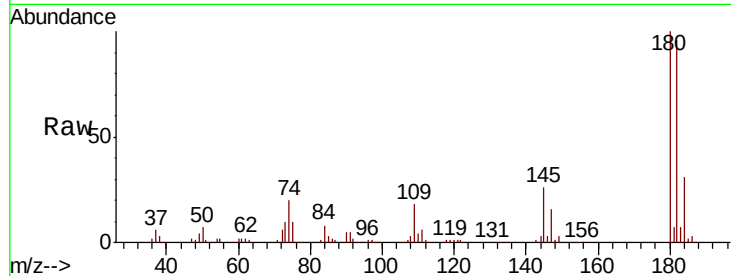




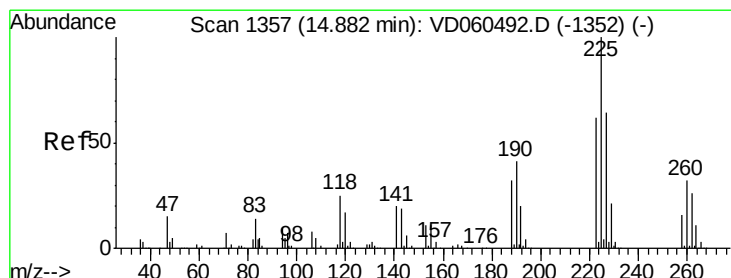
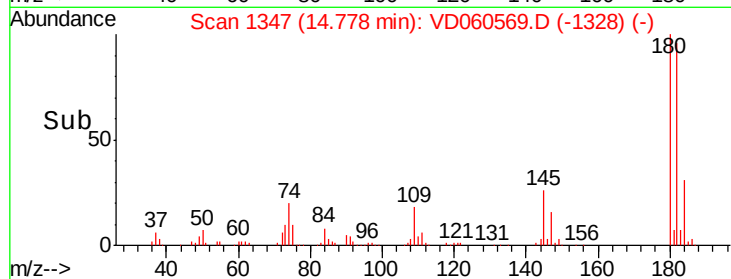
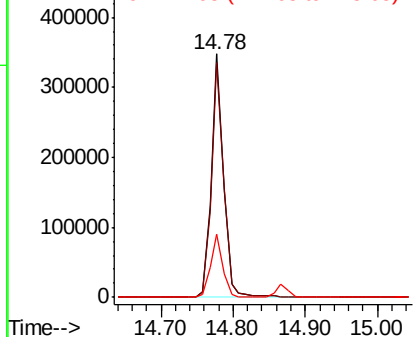
#93
1,2,4-Trichlorobenzene
Concen: 20.203 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:180 Resp: 404005
Ion Ratio Lower Upper
180 100
182 96.3 49.4 148.0
145 26.2 11.9 35.9

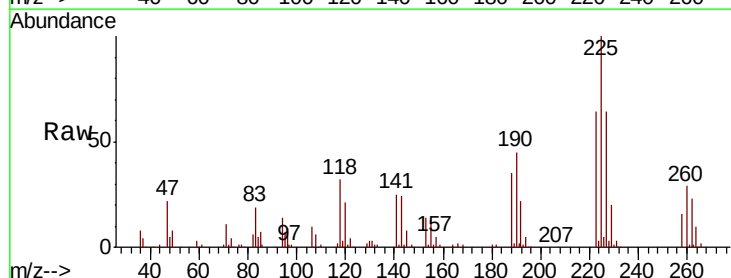


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

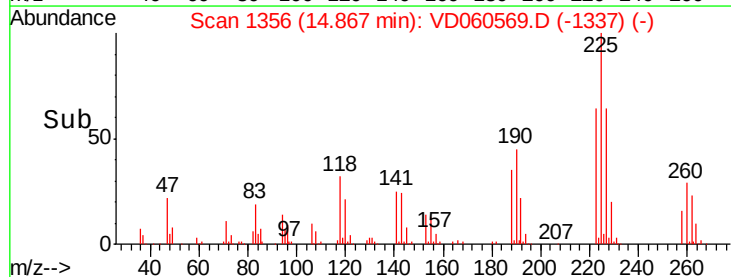
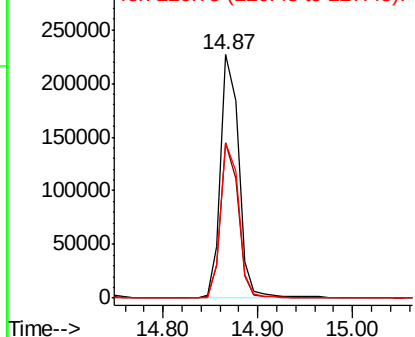


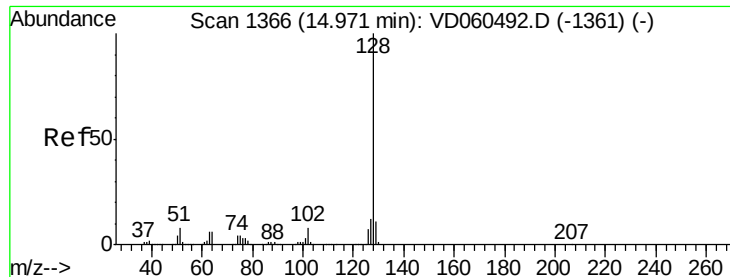
#94
Hexachlorobutadiene
Concen: 20.636 ug/l
RT: 14.87 min Scan# 1356
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion:225 Resp: 304470
Ion Ratio Lower Upper
225 100
223 63.5 31.2 93.6
227 64.0 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

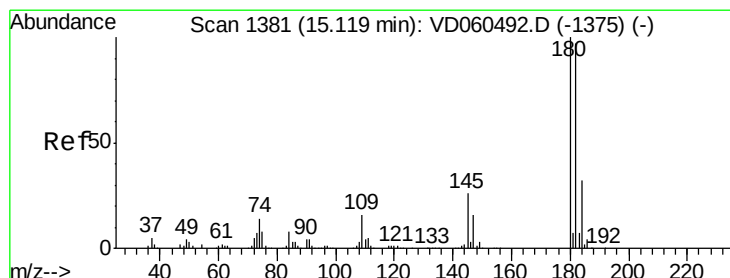
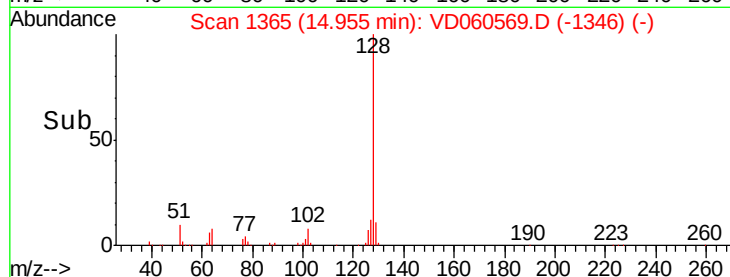
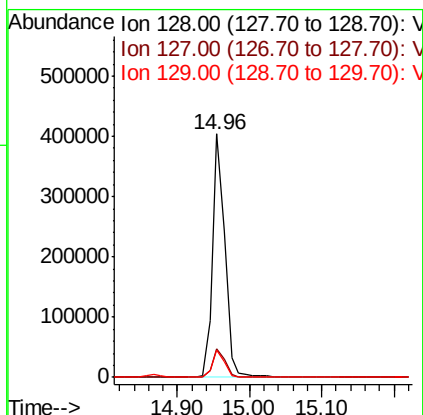
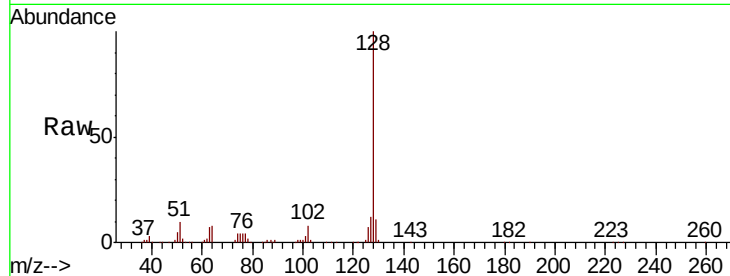




#95
Naphthalene
Concen: 20.061 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 477252
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.514 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion:180 Resp: 326869
Ion Ratio Lower Upper
180 100
182 98.0 48.5 145.5
145 28.3 12.9 38.7

