

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058228.D
 Acq On : 21 Jun 2018 1:44
 Operator : VA/AP
 Sample : VD0620SBSD03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD03

Quant Time: Jun 21 05:17:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	863288	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1096644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	930875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	479140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	455120	52.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	5.55	113	474587	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	8.71	98	1107995	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.94	95	445806	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	206932	23.421	ug/l	98
3) Chloromethane	1.49	50	104926	25.737	ug/l	91
4) Vinyl Chloride	1.55	62	102263	22.613	ug/l	99
5) Bromomethane	1.78	94	32586	19.038	ug/l	94
6) Chloroethane	1.87	64	34596	19.611	ug/l	96
7) Trichlorofluoromethane	2.08	101	136002	21.933	ug/l	93
8) Diethyl Ether	2.34	74	31917	24.335	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.55	101	88791	22.525	ug/l	94
10) Methyl Iodide	2.69	142	92094	20.539	ug/l	96
11) Tert butyl alcohol	3.27	59	31897	110.909	ug/l #	92
12) 1,1-Dichloroethene	2.54	96	61219	20.641	ug/l	98
13) Acrolein	2.47	56	18267	111.264	ug/l	97
14) Allyl chloride	2.91	41	155269	22.493	ug/l	91
15) Acrylonitrile	3.36	53	87357	114.556	ug/l	94
16) Acetone	2.61	43	125383	105.142	ug/l #	86
17) Carbon Disulfide	2.75	76	214296	21.237	ug/l	100
18) Methyl Acetate	2.93	43	53845	21.172	ug/l	100
19) Methyl tert-butyl Ether	3.41	73	192358	24.453	ug/l	92
20) Methylene Chloride	3.07	84	83524	24.388	ug/l	86
21) trans-1,2-Dichloroethene	3.39	96	68910	21.259	ug/l	82
22) Diisopropyl ether	4.07	45	604283	22.041	ug/l	97
23) Vinyl Acetate	4.02	43	1689758	114.974	ug/l	100
24) 1,1-Dichloroethane	3.98	63	340758	23.070	ug/l	97
25) 2-Butanone	4.84	43	277832	106.895	ug/l	97
26) 2,2-Dichloropropane	4.79	77	240046	19.409	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	192365	23.749	ug/l	95
28) Bromochloromethane	5.15	49	150788	22.773	ug/l	94
29) Tetrahydrofuran	5.19	42	154650	111.786	ug/l	100
30) Chloroform	5.32	83	348995	22.381	ug/l	96
31) Cyclohexane	5.59	56	275679	22.871	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	275037	21.348	ug/l	97
36) 1,1-Dichloropropene	5.75	75	241132	22.227	ug/l	99
37) Ethyl Acetate	4.93	43	145296	23.506	ug/l	98
38) Carbon Tetrachloride	5.72	117	236817	21.969	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058228.D
 Acq On : 21 Jun 2018 1:44
 Operator : VA/AP
 Sample : VD0620SBSD03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD03

Quant Time: Jun 21 05:17:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	236558	22.387	ug/l	99
40) Benzene	6.01	78	577681	22.354	ug/l	100
41) Methacrylonitrile	5.13	41	71489	23.951	ug/l	95
42) 1,2-Dichloroethane	6.13	62	239450	22.979	ug/l	99
43) Isopropyl Acetate	7.62	43	183362	22.251	ug/l #	99
44) Trichloroethene	6.99	130	174961	22.546	ug/l	95
45) 1,2-Dichloropropane	7.35	63	165038	23.713	ug/l	97
46) Dibromomethane	7.46	93	113551	23.900	ug/l	87
47) Bromodichloromethane	7.75	83	253742	23.420	ug/l	94
48) Methyl methacrylate	7.51	41	110341	22.031	ug/l	96
49) 1,4-Dioxane	7.50	88	21582	477.366	ug/l #	87
51) 4-Methyl-2-Pentanone	8.60	43	626507	116.555	ug/l	99
52) Toluene	8.81	92	344990	23.445	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	209817	22.274	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	251339	22.760	ug/l	94
55) 1,1,2-Trichloroethane	9.46	97	119861	23.023	ug/l	96
56) Ethyl methacrylate	9.32	69	143298	23.015	ug/l	98
57) 1,3-Dichloropropane	9.68	76	204602	23.330	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	361328	117.224	ug/l	97
59) 2-Hexanone	9.79	43	441168	113.585	ug/l	92
60) Dibromochloromethane	9.96	129	159140	22.524	ug/l	99
61) 1,2-Dibromoethane	10.10	107	127033	22.294	ug/l	90
64) Tetrachloroethene	9.52	164	190834	24.364	ug/l	94
65) Chlorobenzene	10.73	112	391782	22.500	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.86	131	140952	20.976	ug/l	99
67) Ethyl Benzene	10.87	91	669488	21.779	ug/l	99
68) m/p-Xylenes	11.01	106	444180	43.329	ug/l	98
69) o-Xylene	11.41	106	200407	20.468	ug/l	94
70) Styrene	11.44	104	366612	21.943	ug/l	99
71) Bromoform	11.61	173	113819	21.233	ug/l #	94
73) Isopropylbenzene	11.77	105	597417	20.845	ug/l	98
74) N-amyl acetate	11.65	43	239981	21.656	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	143597	21.531	ug/l	97
76) 1,2,3-Trichloropropane	12.12	75	152587	21.812	ug/l	99
77) Bromobenzene	12.05	156	198898	23.176	ug/l	97
78) n-propylbenzene	12.16	91	826894	22.342	ug/l	97
79) 2-Chlorotoluene	12.22	91	458773	21.662	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	511776	22.894	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	32497	19.047	ug/l #	80
82) 4-Chlorotoluene	12.33	91	543689	23.454	ug/l	100
83) tert-Butylbenzene	12.58	119	561888	21.863	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	527715	21.718	ug/l	98
85) sec-Butylbenzene	12.76	105	666398	22.122	ug/l	100
86) p-Isopropyltoluene	12.89	119	535861	21.951	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	334548	22.428	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	315450	21.656	ug/l	97
89) n-Butylbenzene	13.20	91	575568	22.434	ug/l	98
90) Hexachloroethane	13.41	117	136257	21.505	ug/l	93
91) 1,2-Dichlorobenzene	13.20	146	291315	22.949	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.78	75	22613	21.304	ug/l	90

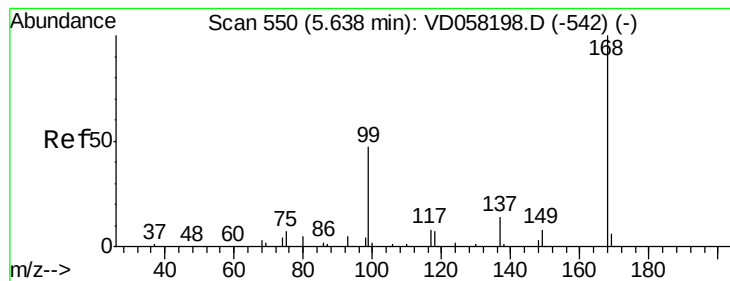
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
Data File : VD058228.D
Acq On : 21 Jun 2018 1:44
Operator : VA/AP
Sample : VD0620SBSD03
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD03

Quant Time: Jun 21 05:17:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	261864	21.569	ug/l	98
94) Hexachlorobutadiene	14.44	225	189689	19.976	ug/l	97
95) Naphthalene	14.52	128	347243	21.713	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	218123	20.523	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

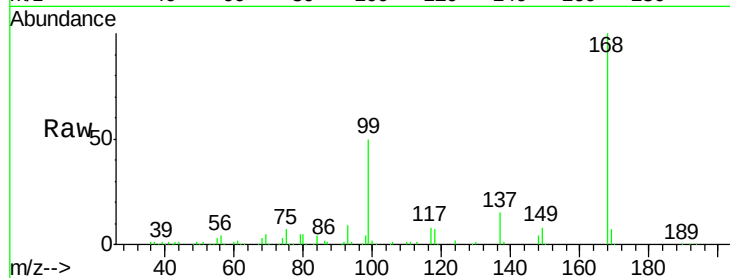
VD0620SBSD03

Tot Ion:168 Resp: 863288

Ion Ratio Lower Upper

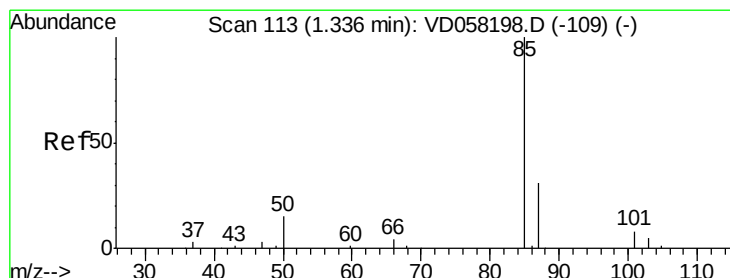
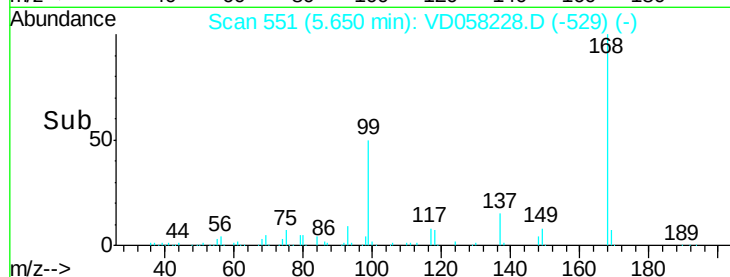
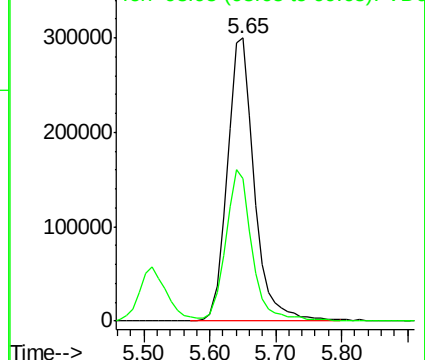
168 100

99 50.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 23.421 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058228.D

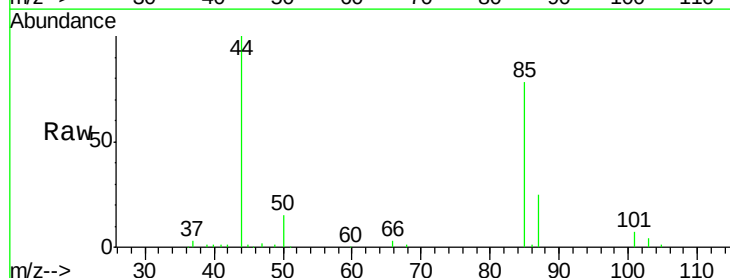
Acq: 21 Jun 2018 1:44

Tgt Ion: 85 Resp: 206932

Ion Ratio Lower Upper

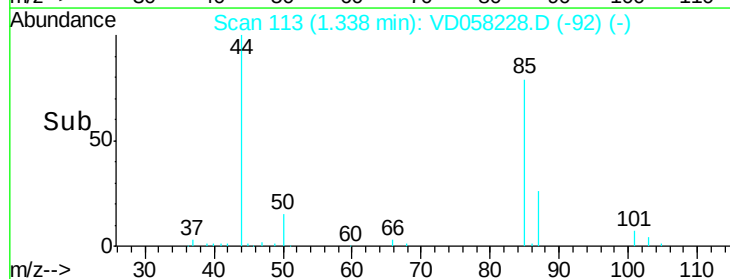
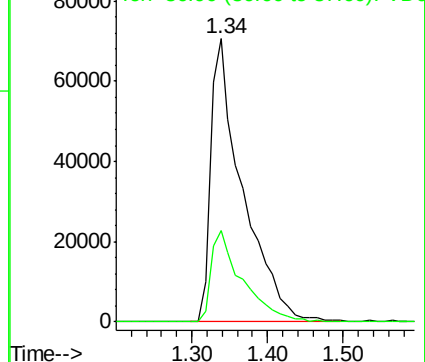
85 100

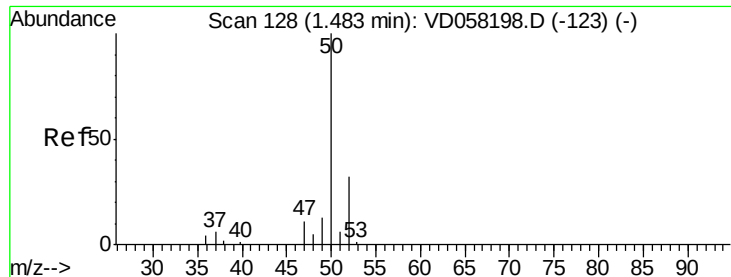
87 32.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 25.737 ug/l

RT: 1.49 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

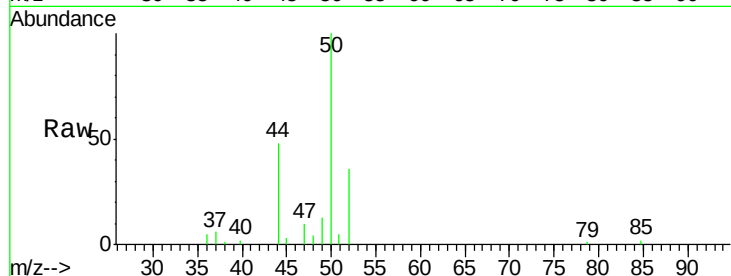
VD0620SBSD03

Tot Ion: 50 Resp: 104926

Ion Ratio Lower Upper

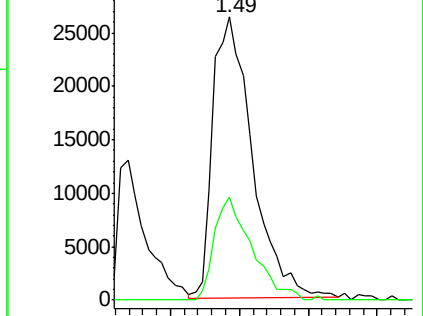
50 100

52 36.3 25.0 37.4

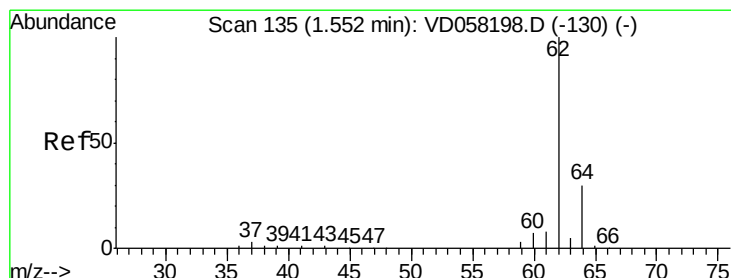
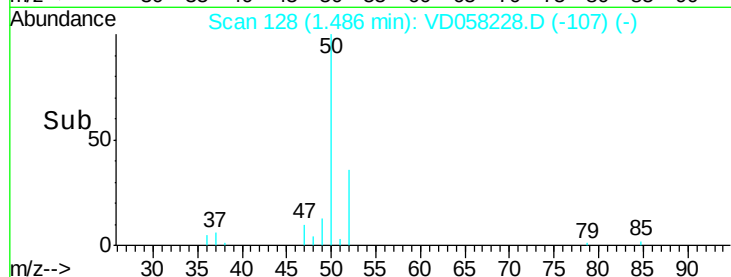


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 22.613 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058228.D

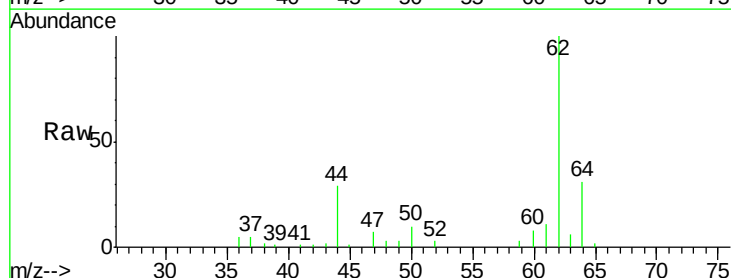
Acq: 21 Jun 2018 1:44

Tgt Ion: 62 Resp: 102263

Ion Ratio Lower Upper

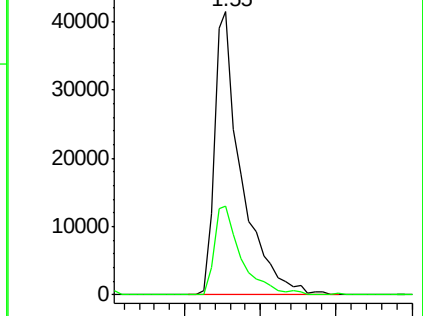
62 100

64 31.3 24.4 36.6

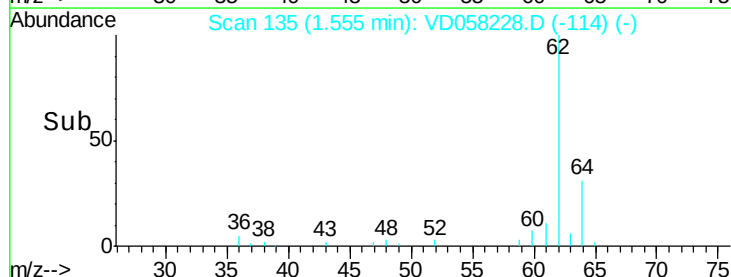


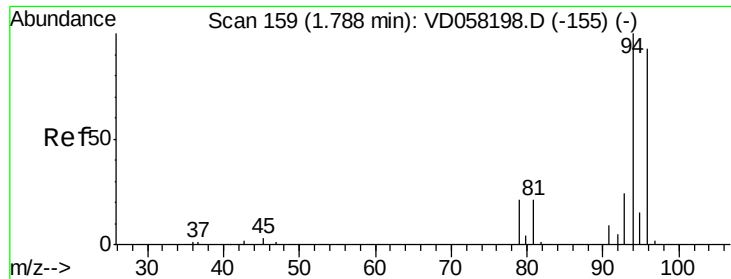
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->





#5

Bromomethane

Concen: 19.038 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

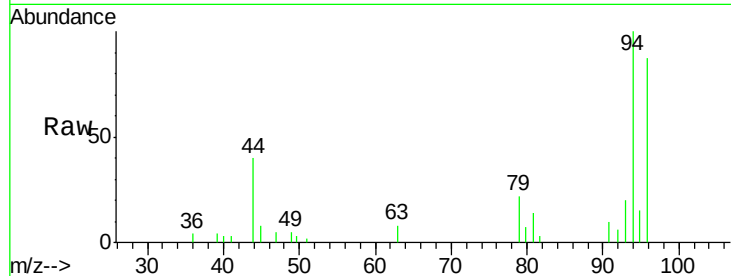
VD0620SBSD03

Tot Ion: 94 Resp: 32586

Ion Ratio Lower Upper

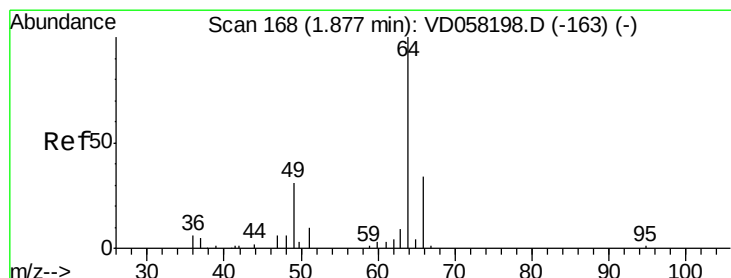
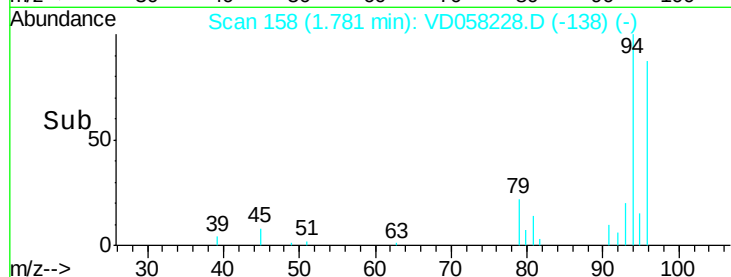
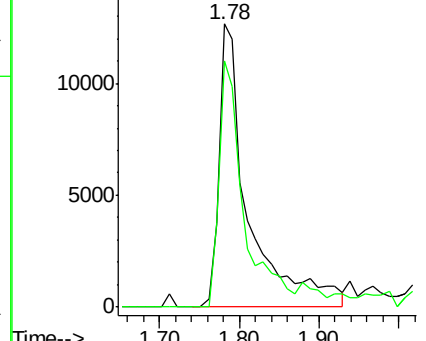
94 100

96 86.8 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.611 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD058228.D

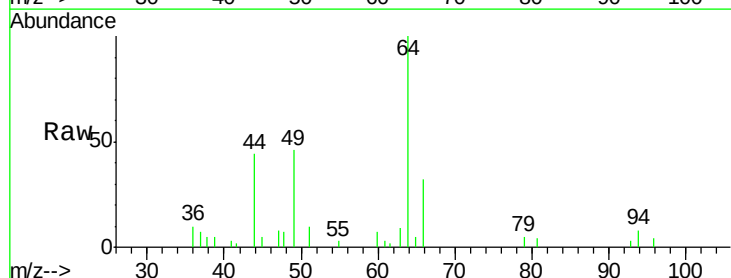
Acq: 21 Jun 2018 1:44

Tgt Ion: 64 Resp: 34596

Ion Ratio Lower Upper

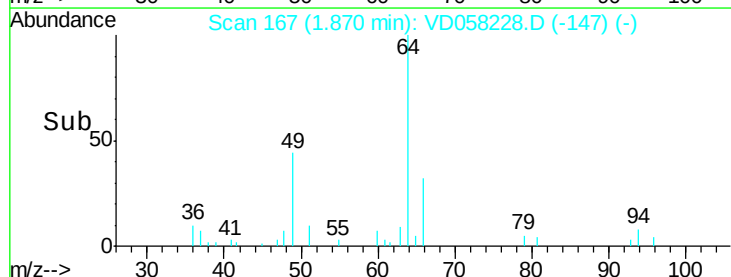
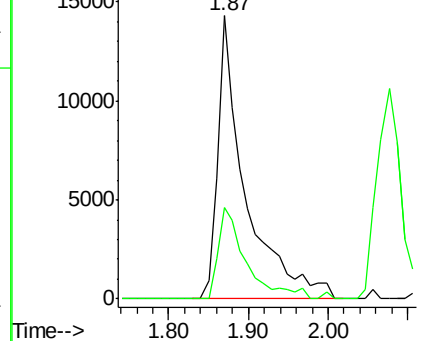
64 100

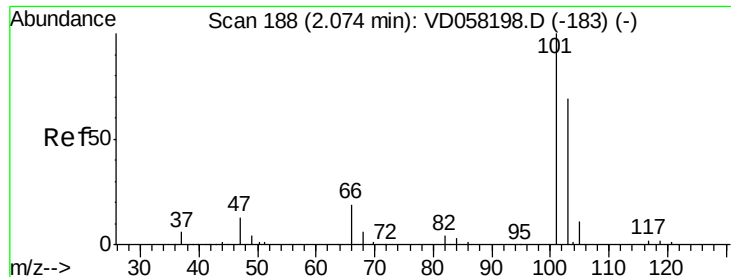
66 32.1 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



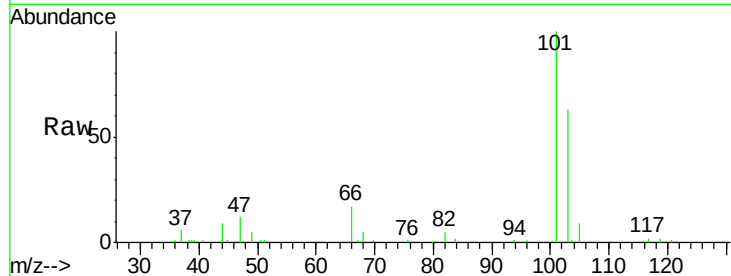


#7

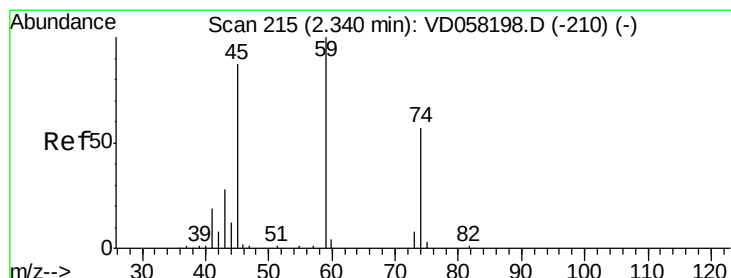
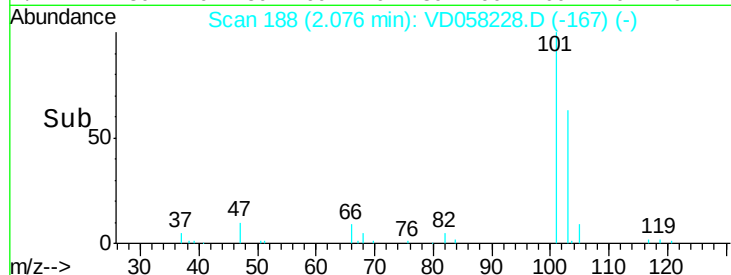
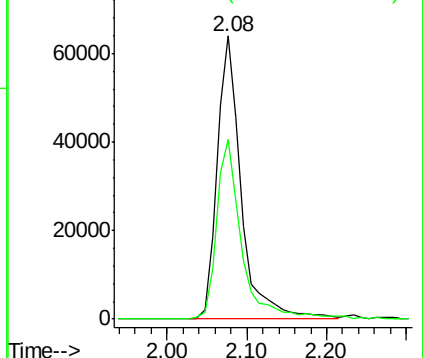
Trichlorofluoromethane
 Concen: 21.933 ug/l
 RT: 2.08 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD03

Tot Ion:101 Resp: 136002
 Ion Ratio Lower Upper
 101 100
 103 63.3 55.1 82.7



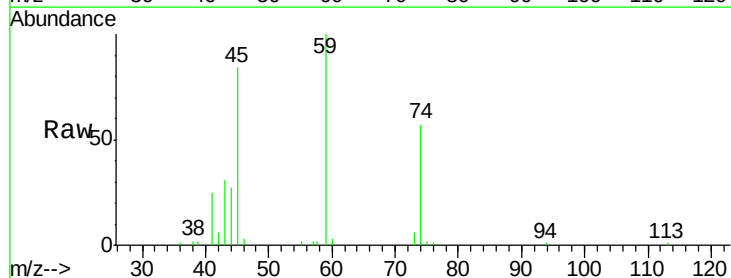
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



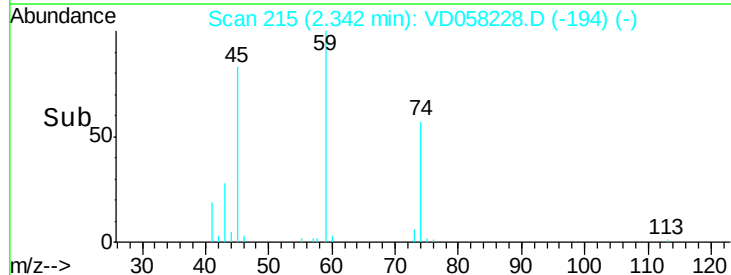
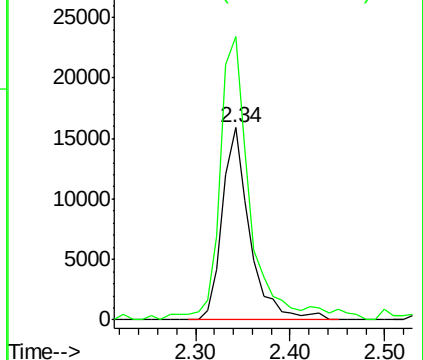
#8

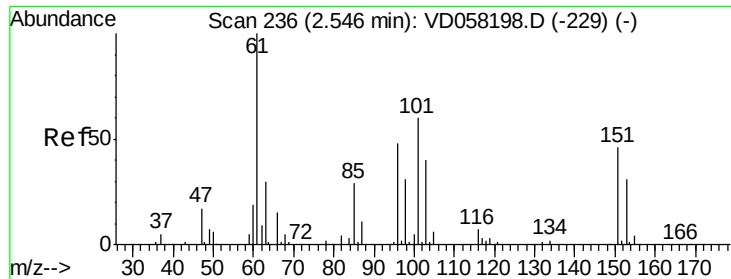
Diethyl Ether
 Concen: 24.335 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

Tgt Ion: 74 Resp: 31917
 Ion Ratio Lower Upper
 74 100
 45 147.2 77.5 232.6



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: 22.525 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

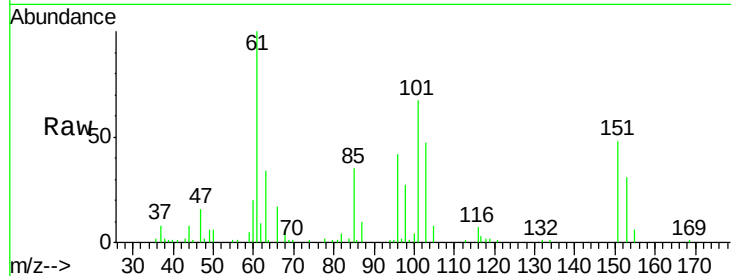
Tot Ion:101 Resp: 88791

Ion Ratio Lower Upper

101 100

85 52.5 39.0 58.4

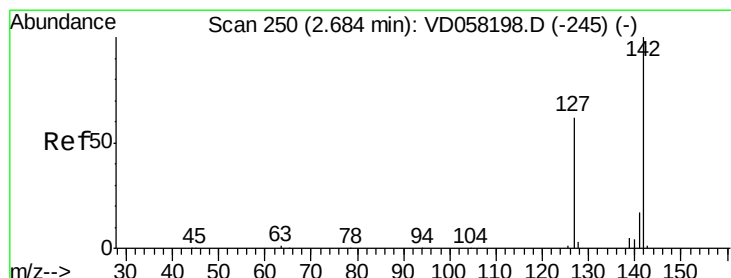
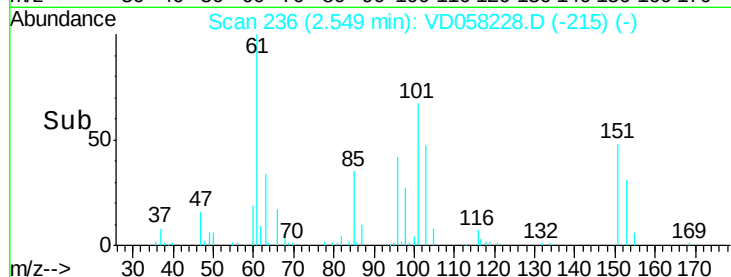
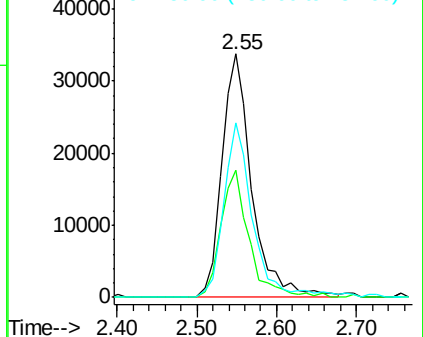
151 71.8 61.8 92.8



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: 20.539 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

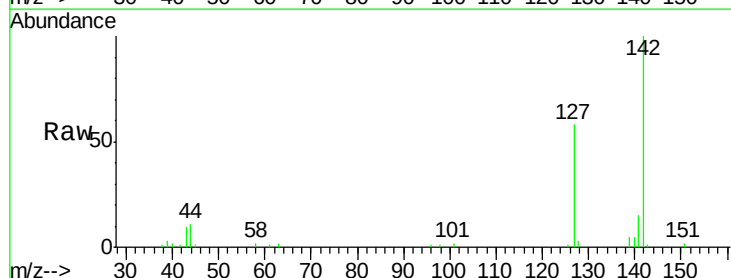
Tgt Ion:142 Resp: 92094

Ion Ratio Lower Upper

142 100

127 58.4 49.4 74.0

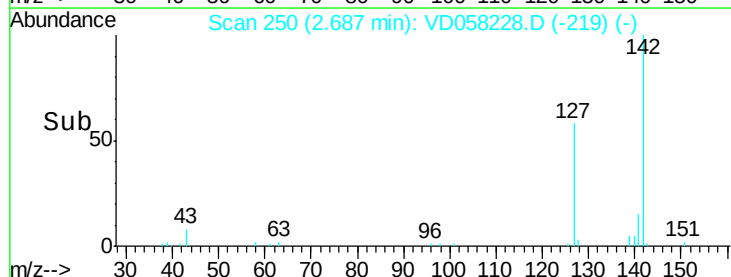
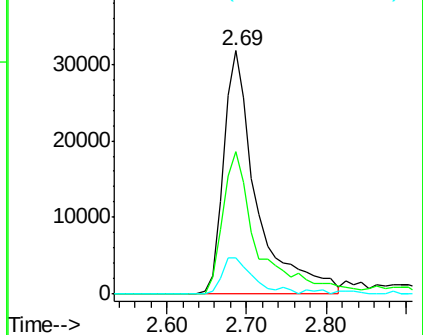
141 14.9 13.5 20.3

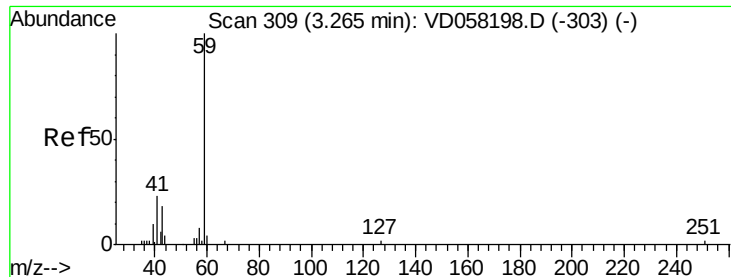


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



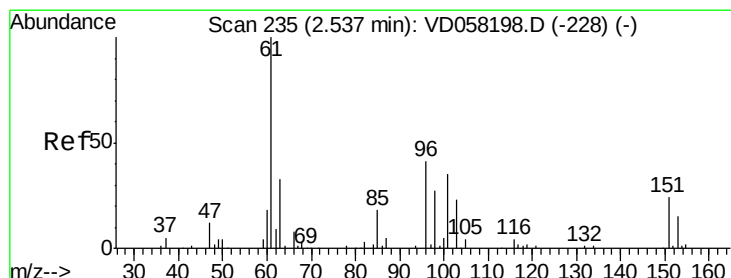
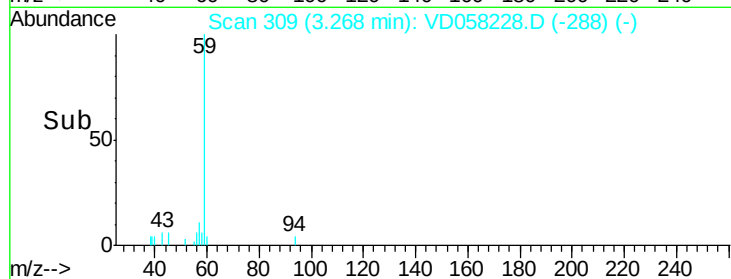
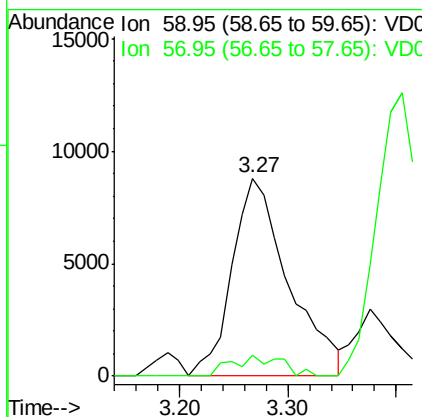
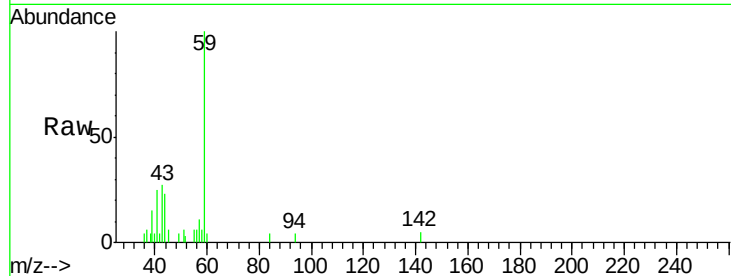


#11

Tert butyl alcohol
Concen: 110.909 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD03

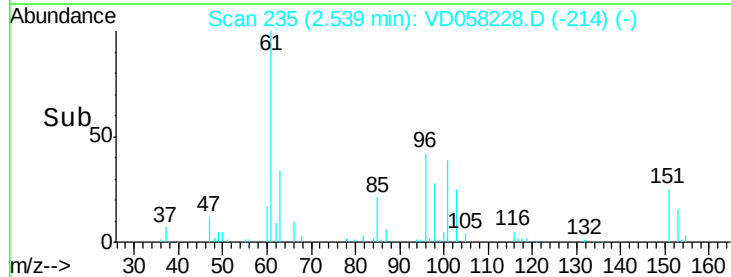
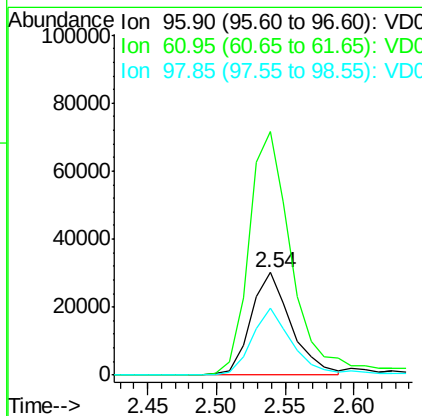
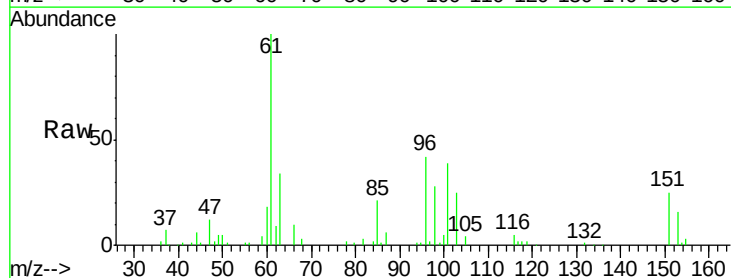
Tot Ion: 59 Resp: 31897
Ion Ratio Lower Upper
59 100
57 10.7 6.2 9.4#

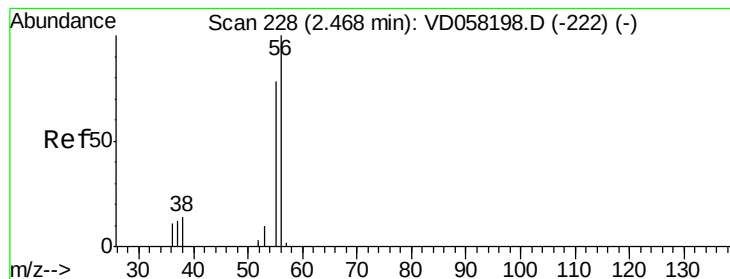


#12

1,1-Dichloroethene
Concen: 20.641 ug/l
RT: 2.54 min Scan# 235
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Tgt Ion: 96 Resp: 61219
Ion Ratio Lower Upper
96 100
61 237.8 193.9 290.9
98 65.9 51.7 77.5





#13

Acrolein

Concen: 111.264 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

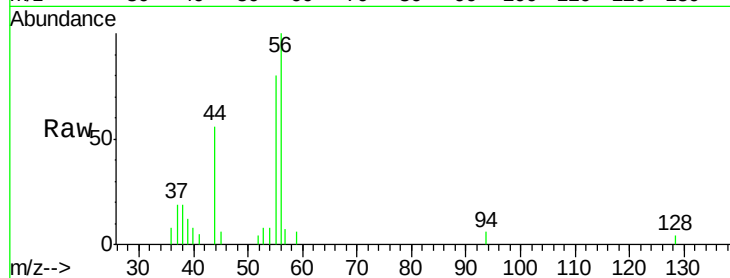
VD0620SBSD03

Tot Ion: 56 Resp: 18267

Ion Ratio Lower Upper

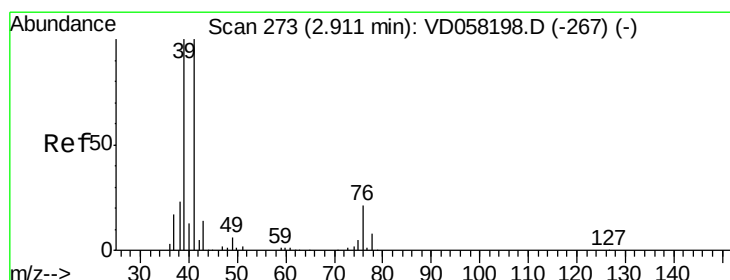
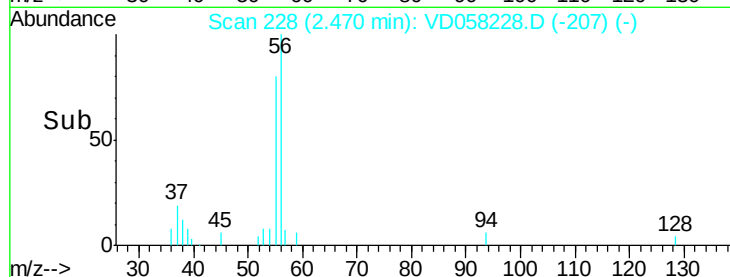
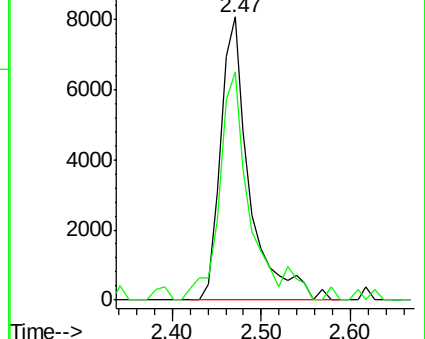
56 100

55 80.5 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.493 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

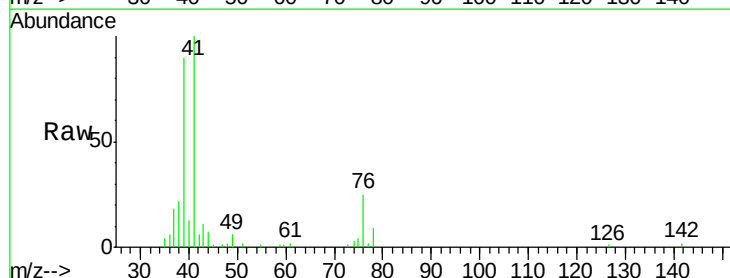
Tgt Ion: 41 Resp: 155269

Ion Ratio Lower Upper

41 100

39 89.9 80.1 120.1

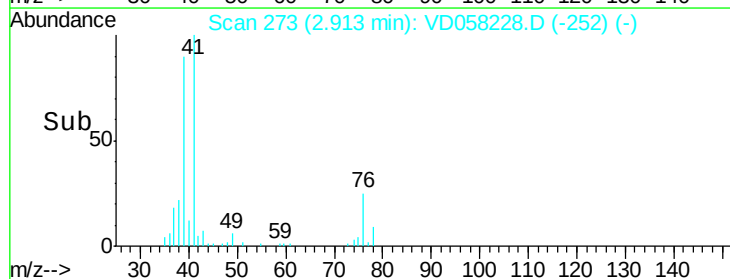
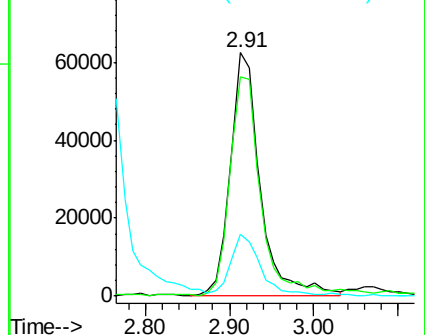
76 25.4 19.4 29.2

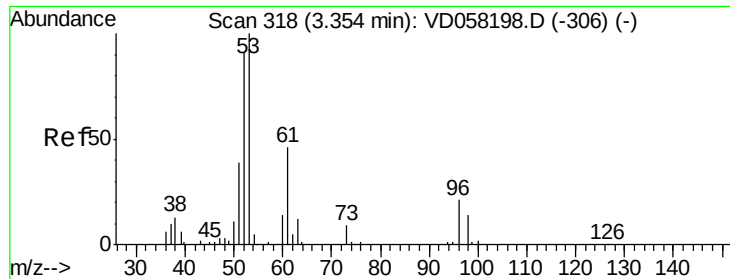


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 114.556 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

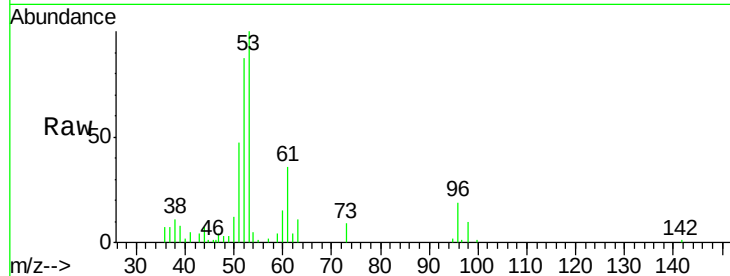
Tot Ion: 53 Resp: 87357

Ion Ratio Lower Upper

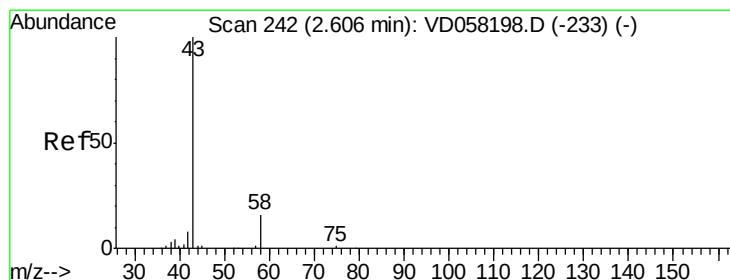
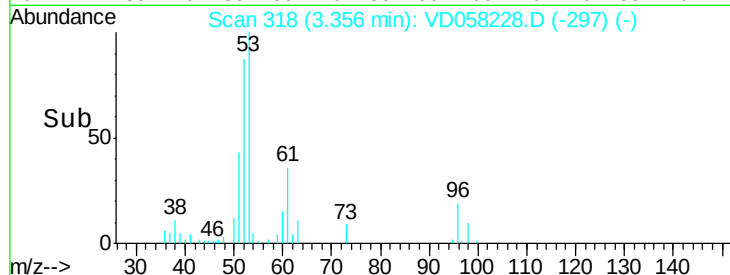
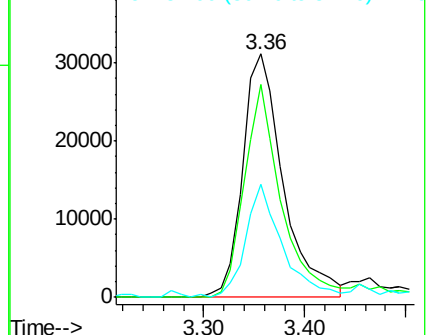
53 100

52 87.3 72.6 108.8

51 46.7 32.2 48.4



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: 105.142 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058228.D

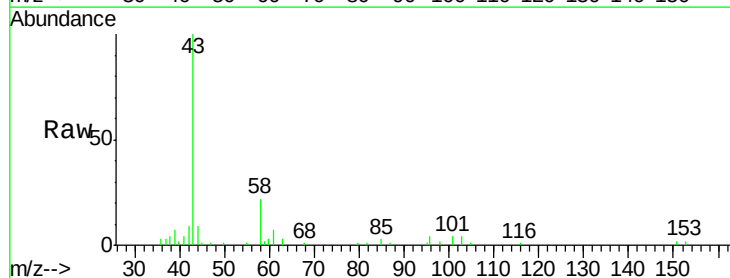
Acq: 21 Jun 2018 1:44

Tgt Ion: 43 Resp: 125383

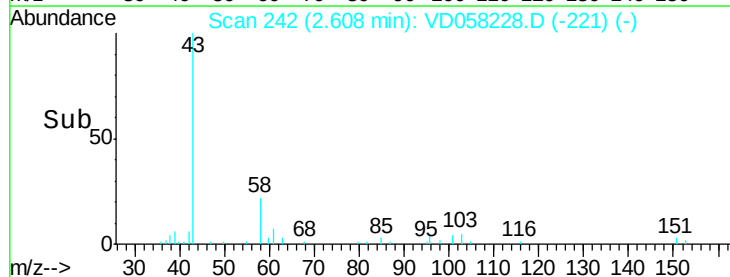
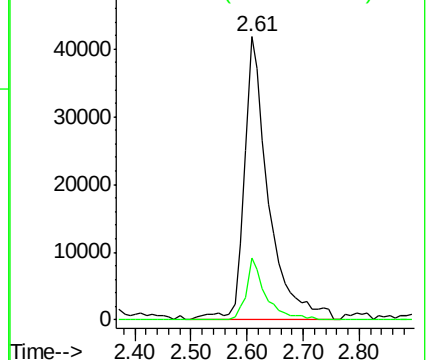
Ion Ratio Lower Upper

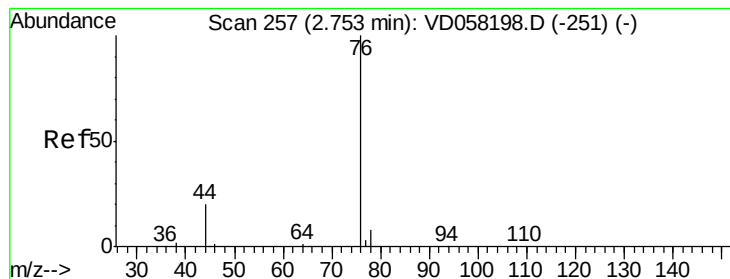
43 100

58 21.9 12.7 19.1#



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





#17

Carbon Disulfide

Concen: 21.237 ug/l

RT: 2.75 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

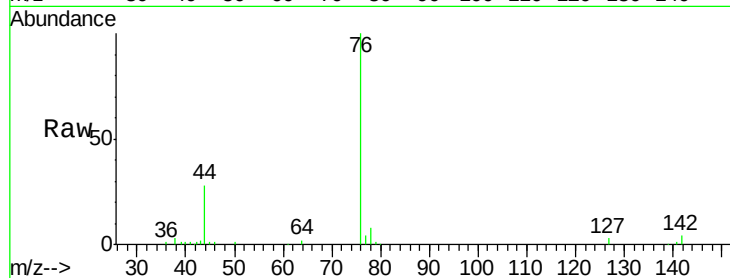
VD0620SBSD03

Tot Ion: 76 Resp: 214296

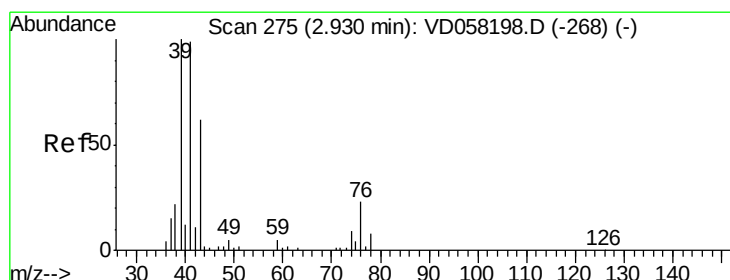
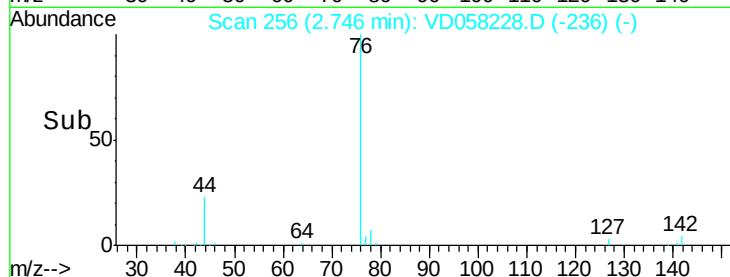
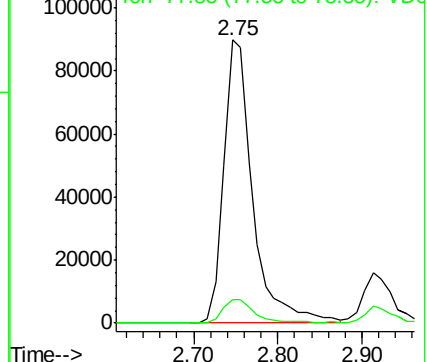
Ion Ratio Lower Upper

76 100

78 8.4 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.172 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD058228.D

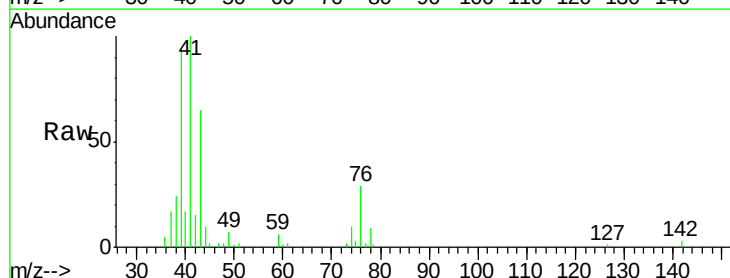
Acq: 21 Jun 2018 1:44

Tgt Ion: 43 Resp: 53845

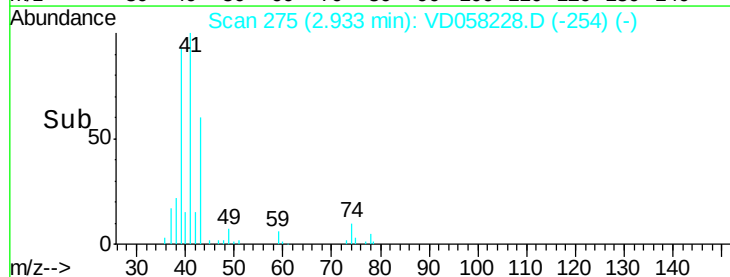
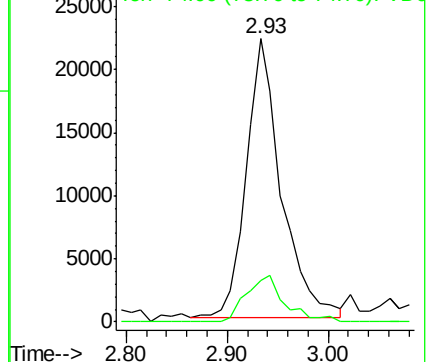
Ion Ratio Lower Upper

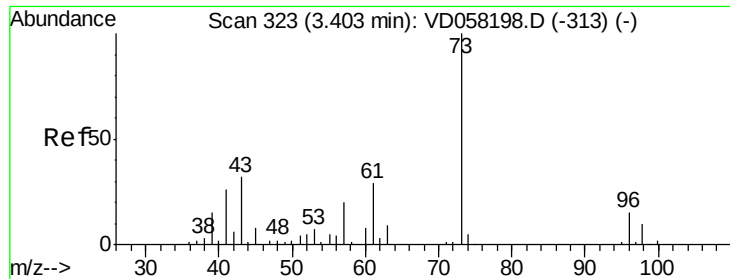
43 100

74 14.8 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

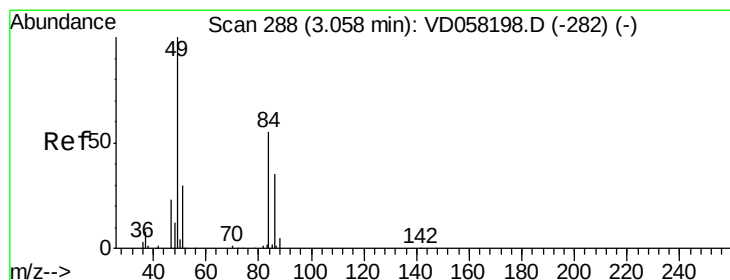
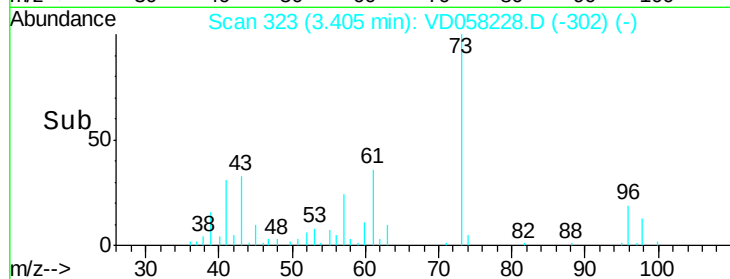
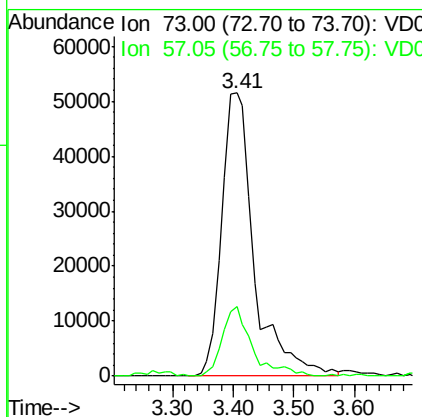
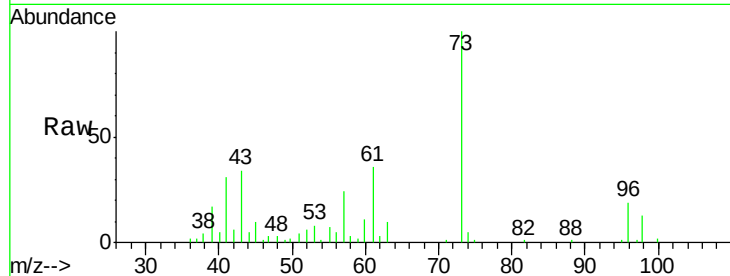




#19
Methyl tert-butyl Ether
Concen: 24.453 ug/l
RT: 3.41 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

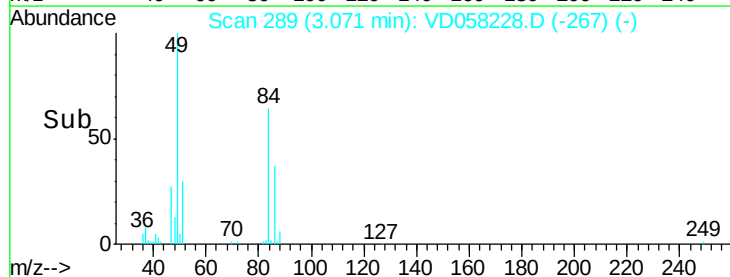
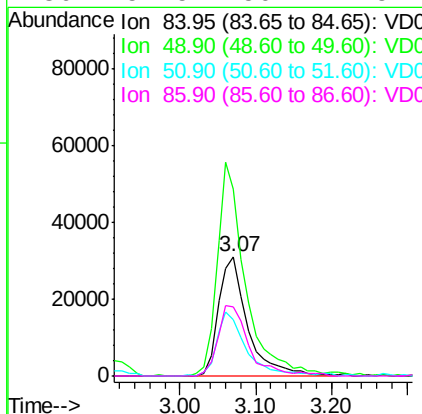
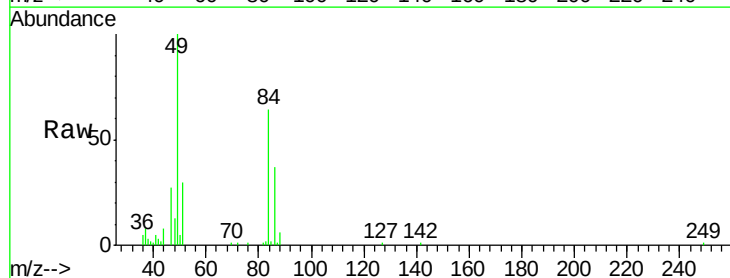
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

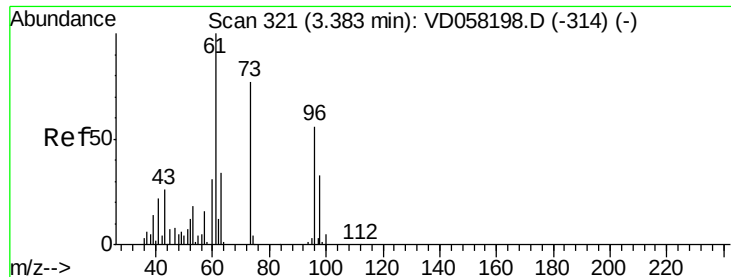
Tot Ion: 73 Resp: 192358
Ion Ratio Lower Upper
73 100
57 24.4 16.6 24.8



#20
Methylene Chloride
Concen: 24.388 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Tgt Ion: 84 Resp: 83524
Ion Ratio Lower Upper
84 100
49 156.1 145.0 217.6
51 47.0 42.9 64.3
86 57.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 21.259 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

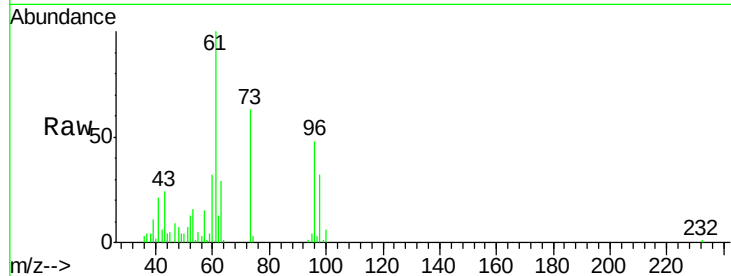
Tot Ion: 96 Resp: 68910

Ion Ratio Lower Upper

96 100

61 208.1 143.8 215.6

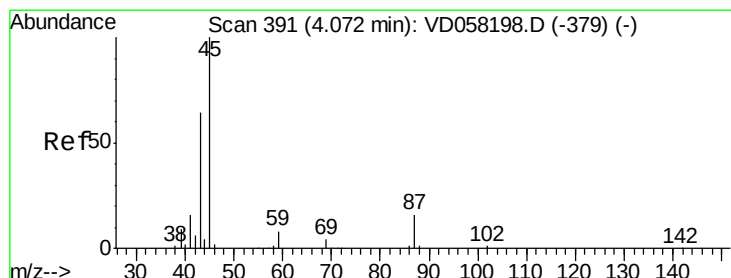
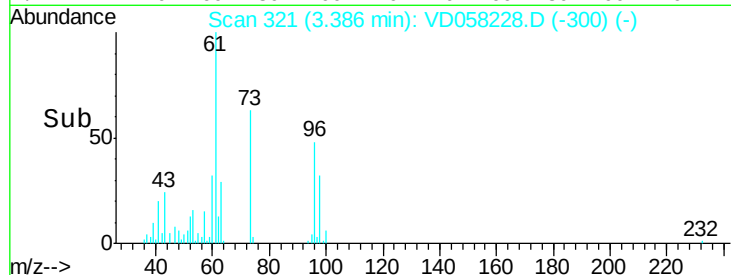
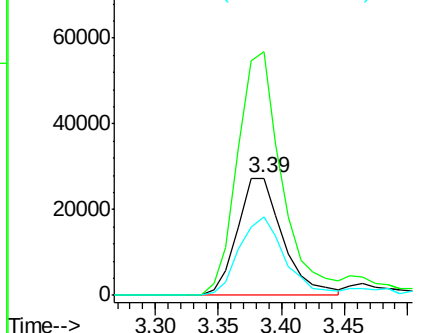
98 67.6 48.0 72.0



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: 22.041 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Tgt Ion: 45 Resp: 604283

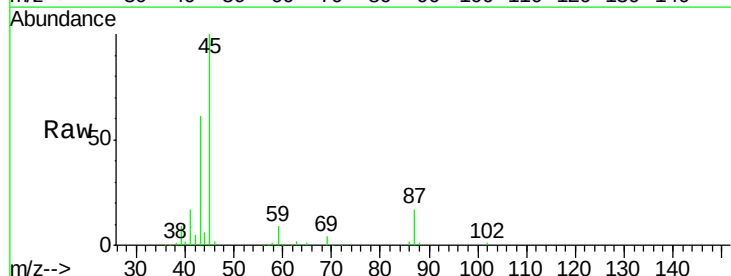
Ion Ratio Lower Upper

45 100

43 60.7 51.4 77.0

87 16.5 13.0 19.4

59 8.7 6.9 10.3

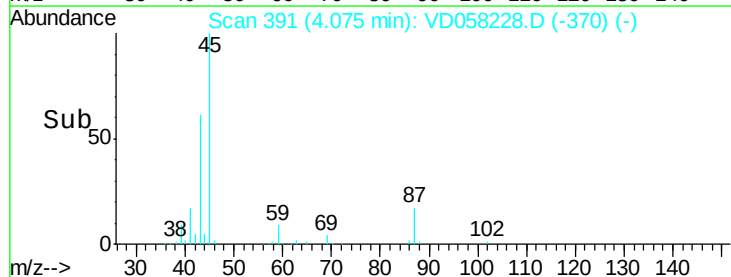
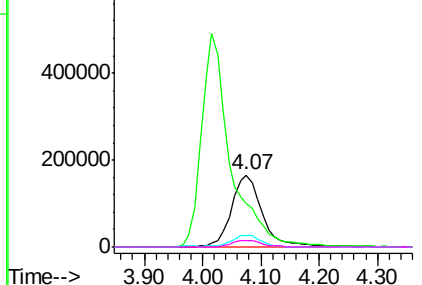


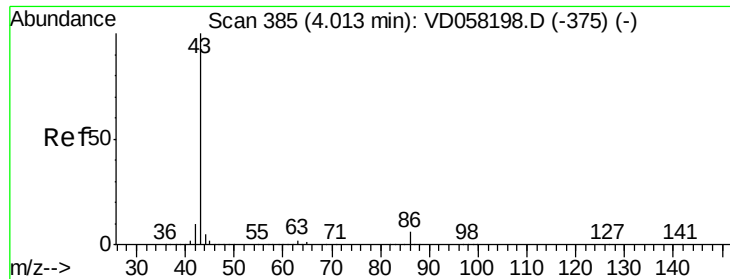
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 114.974 ug/l

RT: 4.02 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleID :

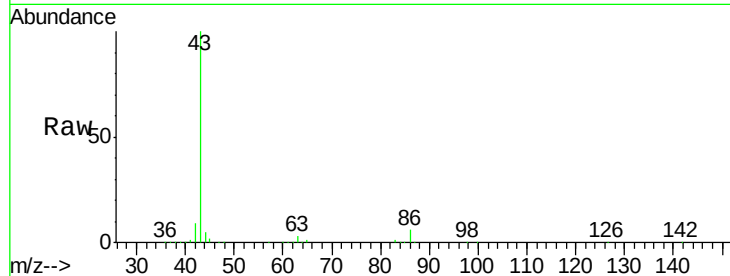
VD0620SBSD03

Tot Ion: 43 Resp: 1689758

Ion Ratio Lower Upper

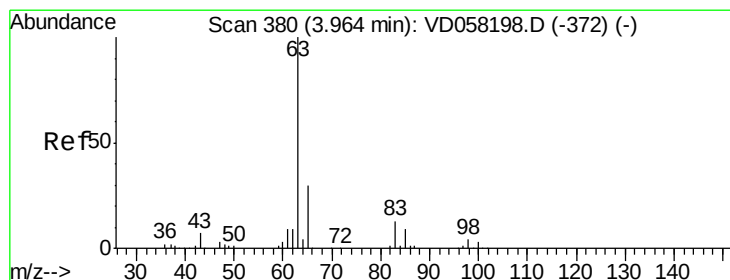
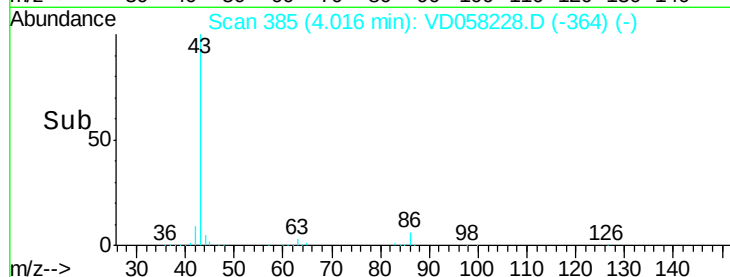
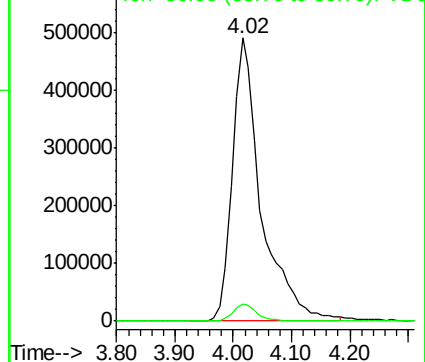
43 100

86 6.2 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.070 ug/l

RT: 3.98 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

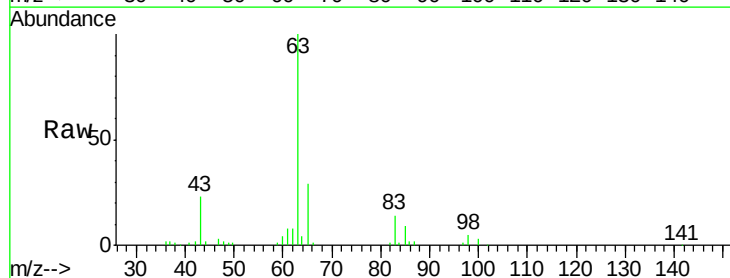
Tgt Ion: 63 Resp: 340758

Ion Ratio Lower Upper

63 100

98 5.0 1.9 5.7

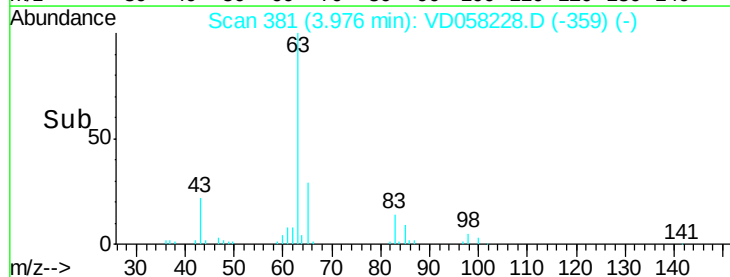
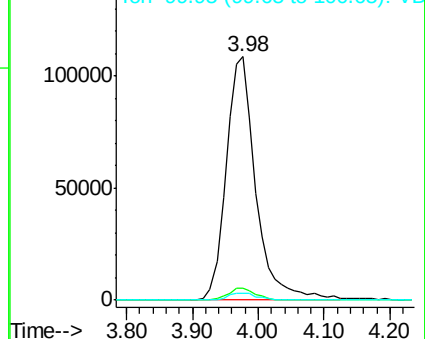
100 3.0 1.3 3.9

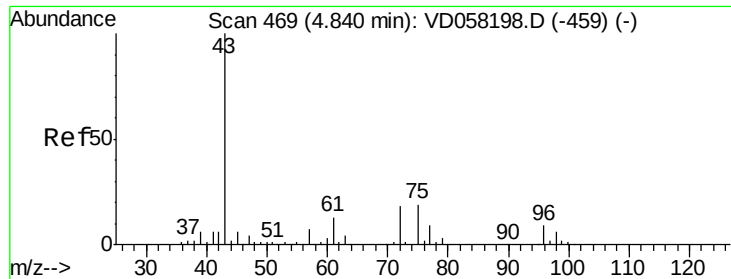


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 106.895 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

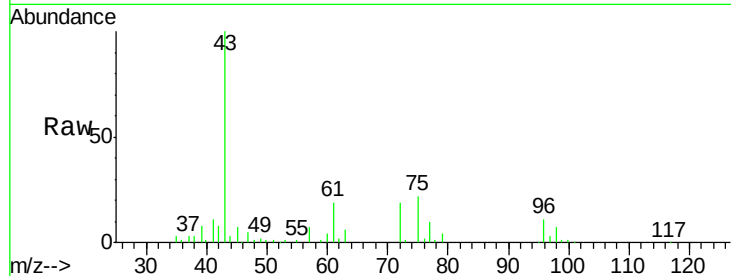
VD0620SBSD03

Tot Ion: 43 Resp: 277832

Ion Ratio Lower Upper

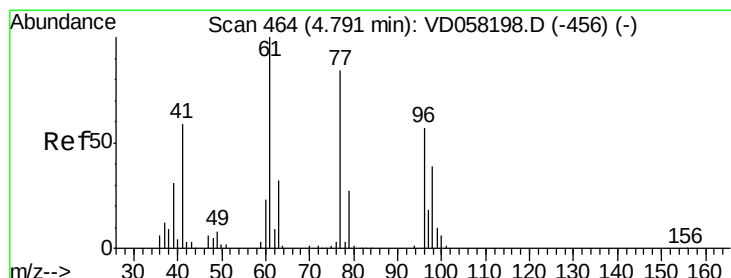
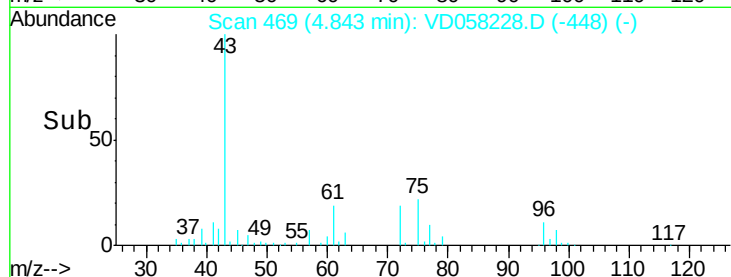
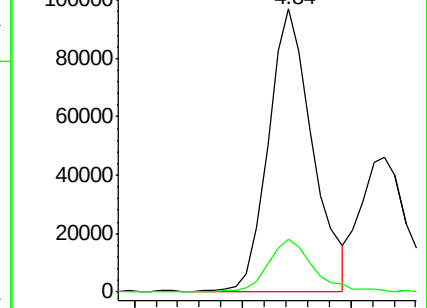
43 100

72 18.7 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.409 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058228.D

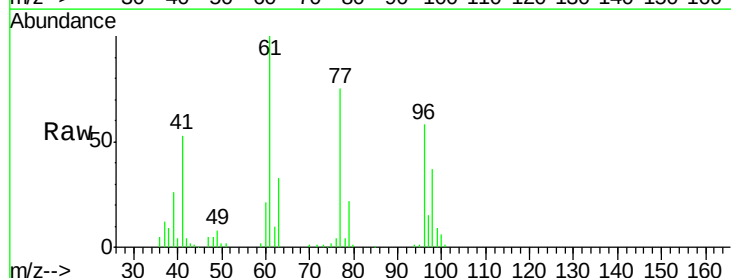
Acq: 21 Jun 2018 1:44

Tgt Ion: 77 Resp: 240046

Ion Ratio Lower Upper

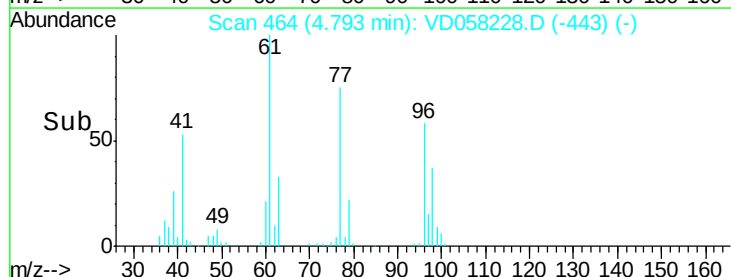
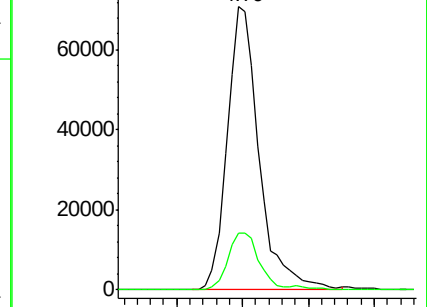
77 100

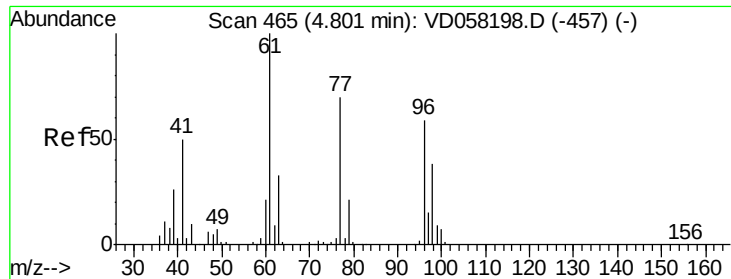
97 20.1 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



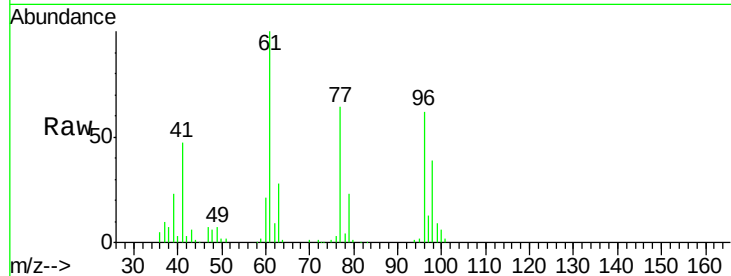


#27

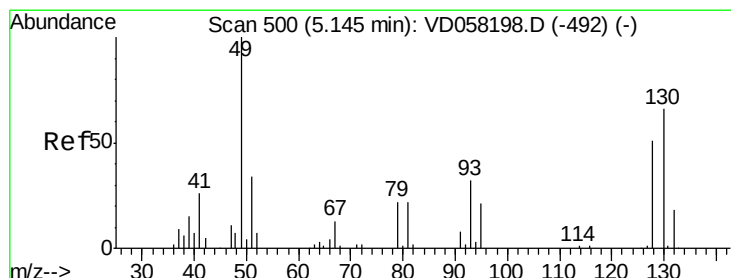
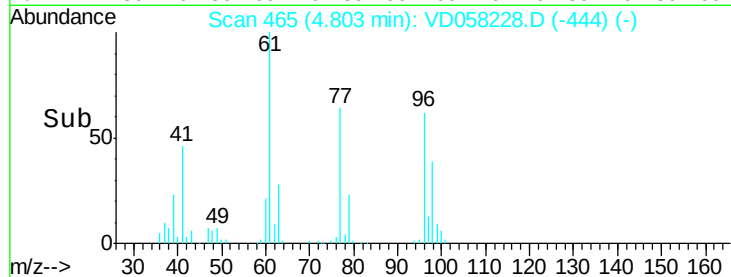
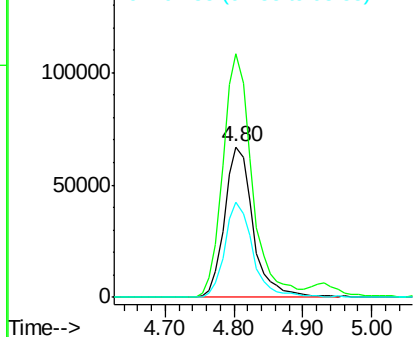
cis-1,2-Dichloroethene
Concen: 23.749 ug/l
RT: 4.80 min Scan# 465
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD03

Tot Ion	96	Resp	192365
Ion Ratio	Lower	Upper	
96	100		
61	161.7	0.0	338.6
98	63.4	0.0	130.2



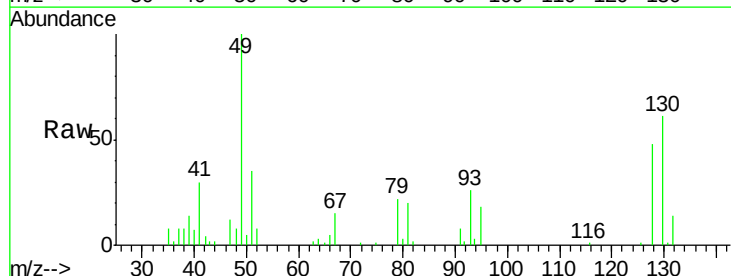
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



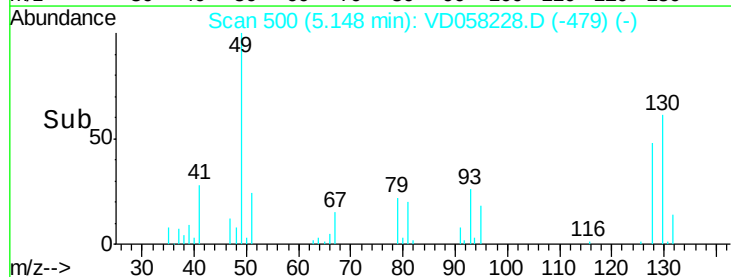
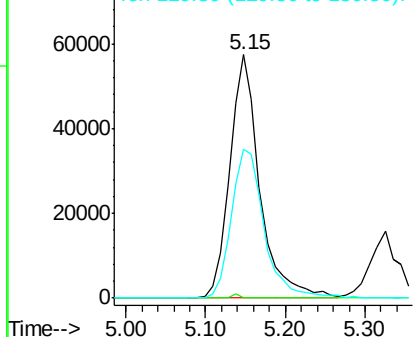
#28

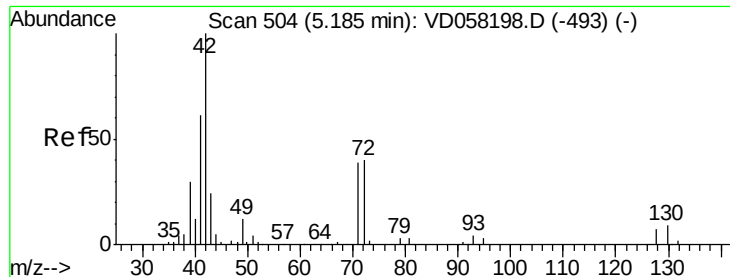
Bromochloromethane
Concen: 22.773 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Tgt Ion	49	Resp	150788
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	0.0
130	61.1	52.6	79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

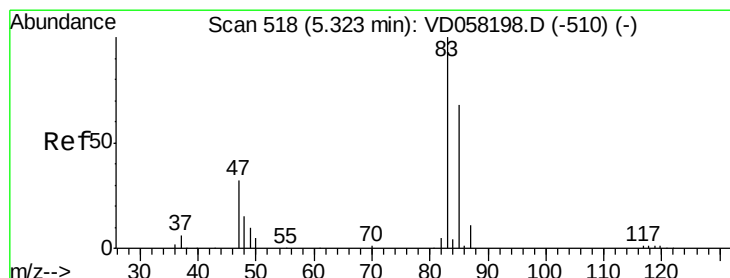
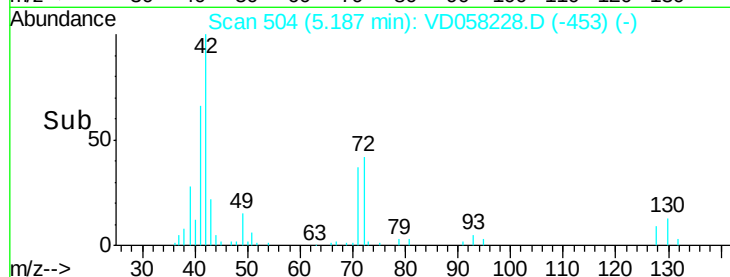
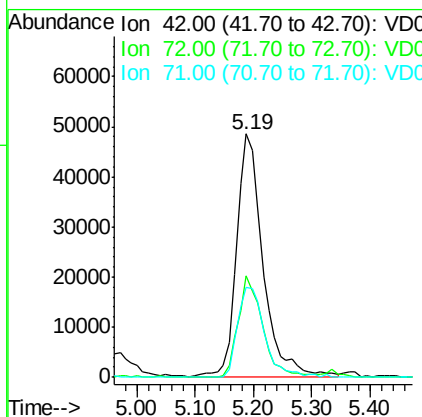
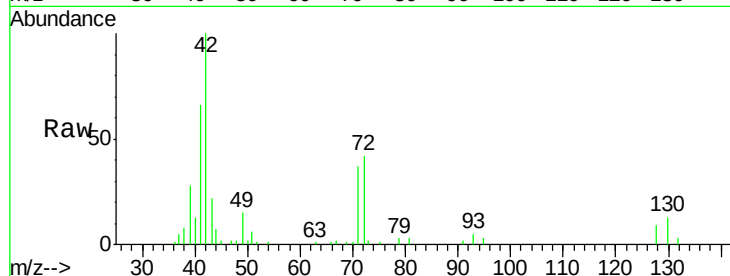




#29
Tetrahydrofuran
Concen: 111.786 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

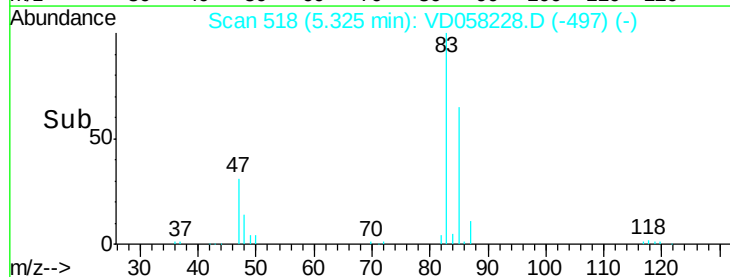
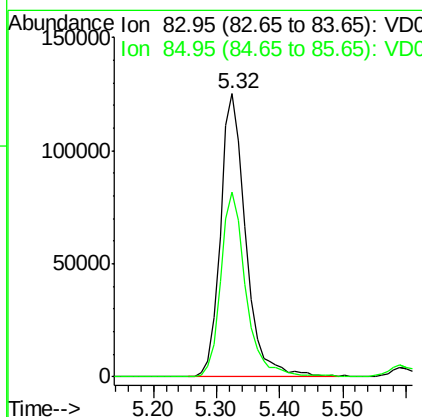
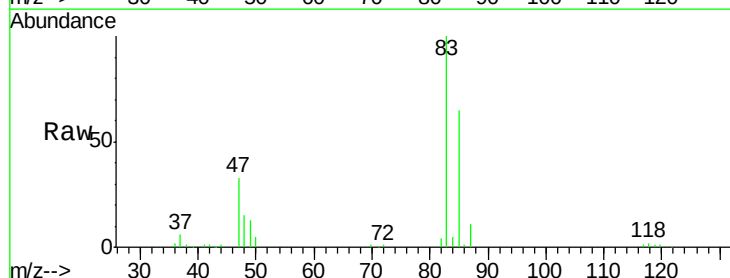
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

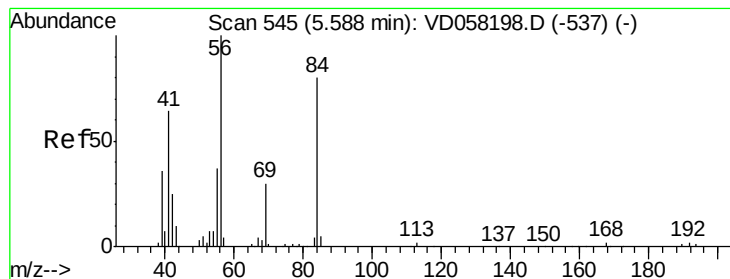
Tot Ion: 42 Resp: 154650
Ion Ratio Lower Upper
42 100
72 37.7 30.2 45.2
71 37.7 30.1 45.1



#30
Chloroform
Concen: 22.381 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Tgt Ion: 83 Resp: 348995
Ion Ratio Lower Upper
83 100
85 65.3 54.8 82.2





#31

Cyclohexane

Concen: 22.871 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

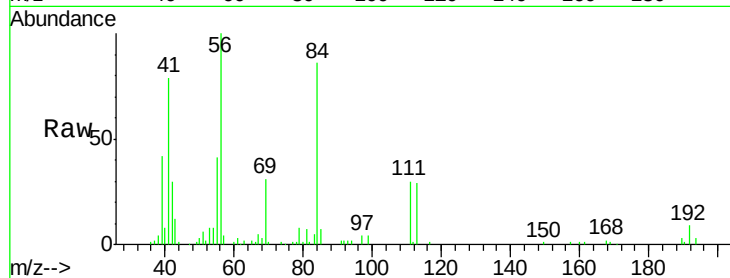
Tot Ion: 56 Resp: 275679

Ion Ratio Lower Upper

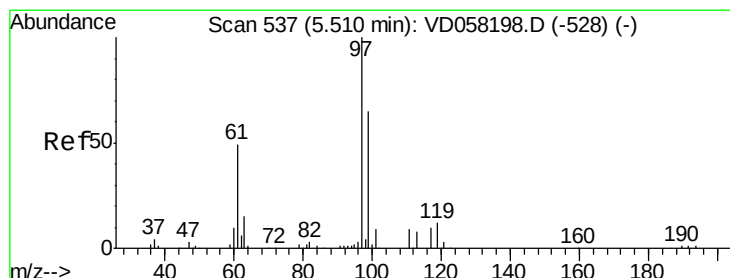
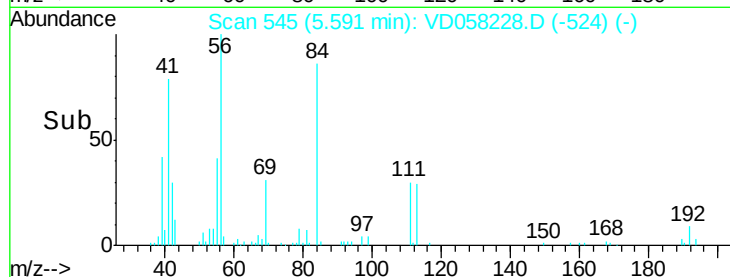
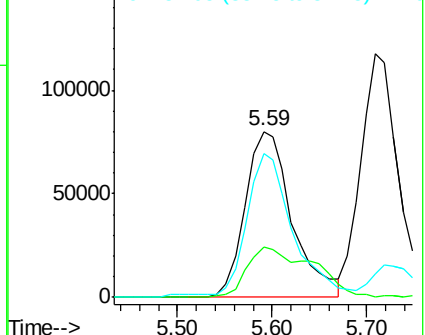
56 100

69 30.5 23.6 35.4

84 86.4 65.2 97.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 21.348 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

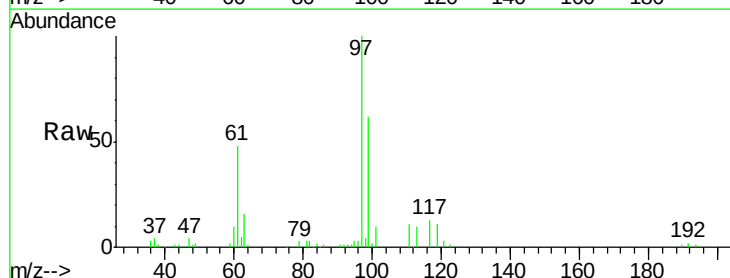
Tgt Ion: 97 Resp: 275037

Ion Ratio Lower Upper

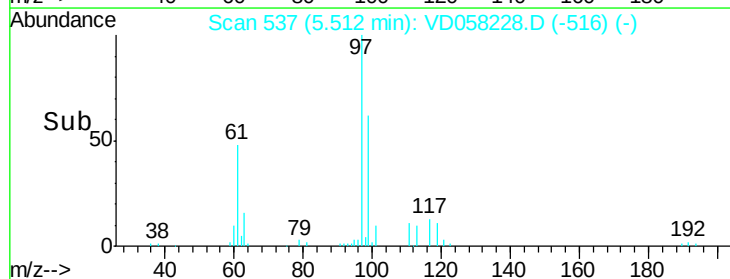
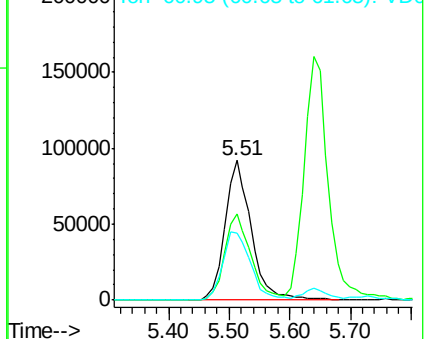
97 100

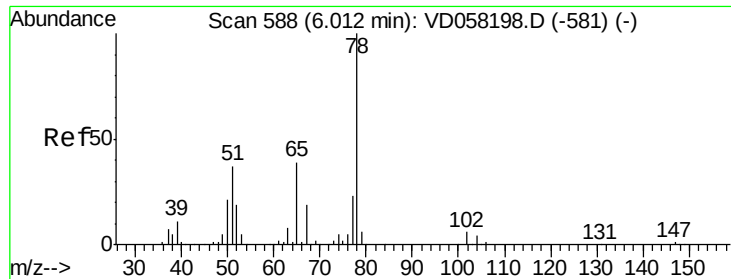
99 61.8 52.2 78.4

61 48.1 39.0 58.4



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

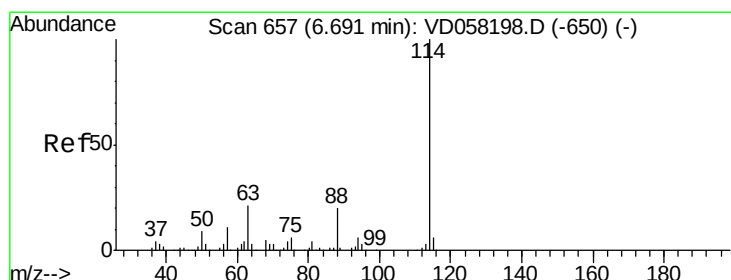
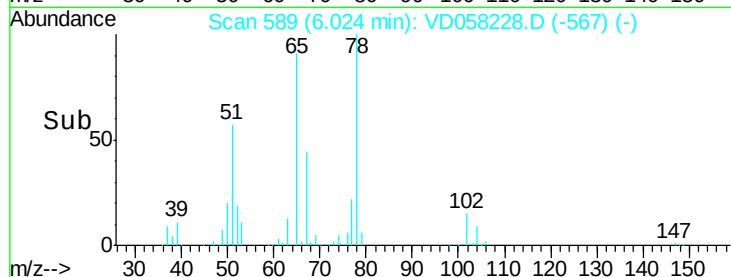
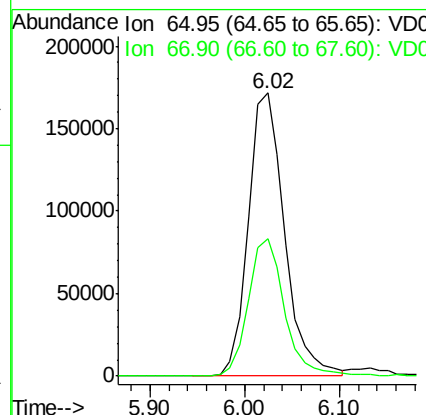
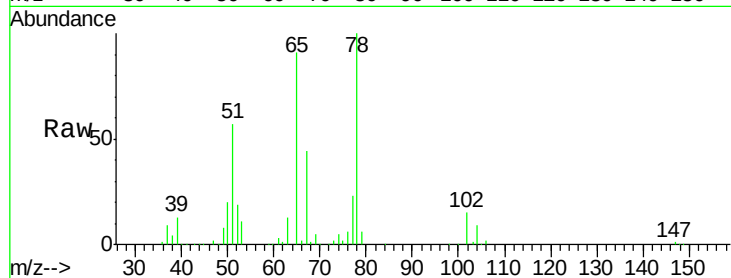




#33
 1,2-Dichloroethane-d4
 Concen: 21.348 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

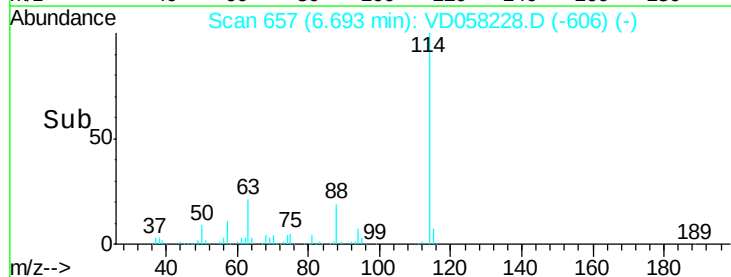
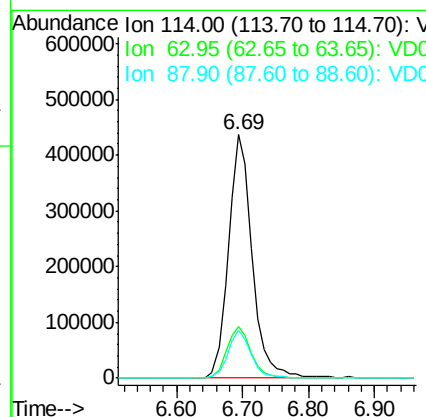
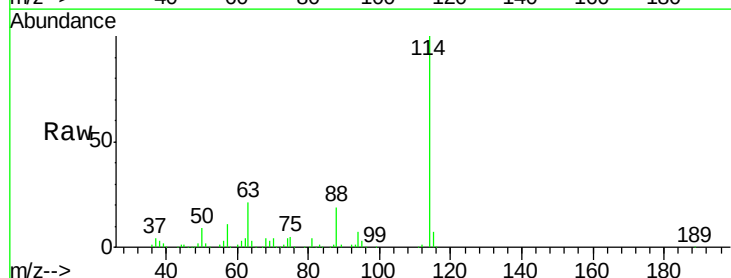
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD03

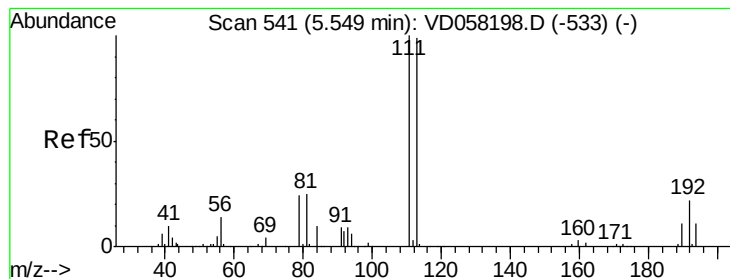
Tot Ion: 65 Resp: 455120
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

Tgt Ion: 114 Resp: 1096644
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.6
 88 19.4 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

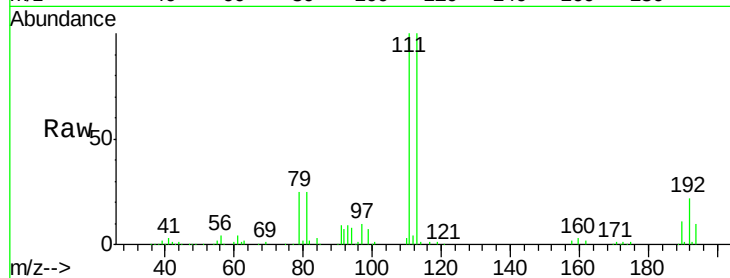
Tot Ion:113 Resp: 474587

Ion Ratio Lower Upper

113 100

111 100.3 80.6 121.0

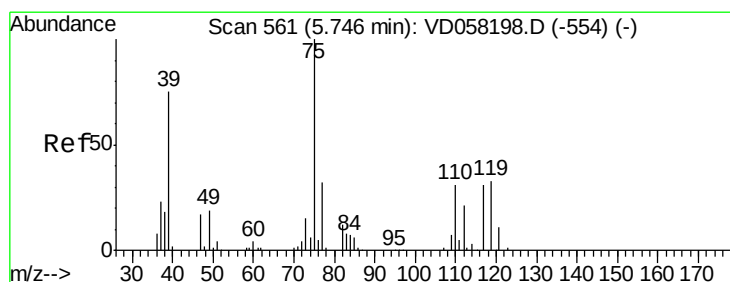
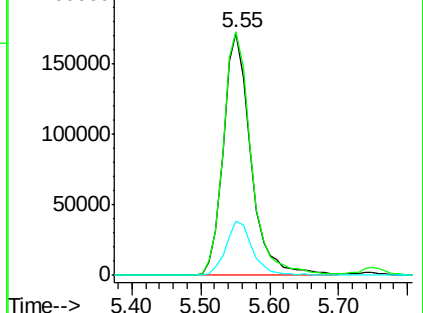
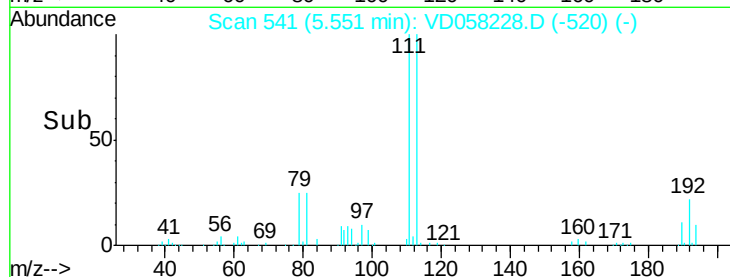
192 22.3 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.227 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

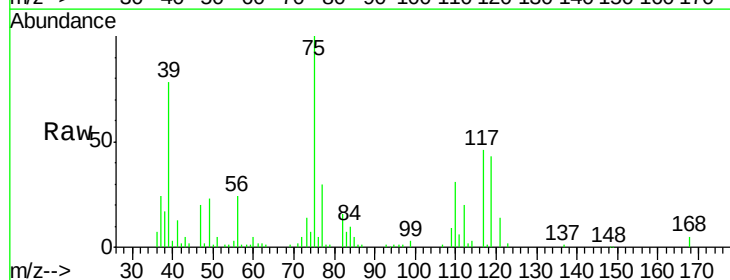
Tgt Ion: 75 Resp: 241132

Ion Ratio Lower Upper

75 100

110 30.6 15.4 46.4

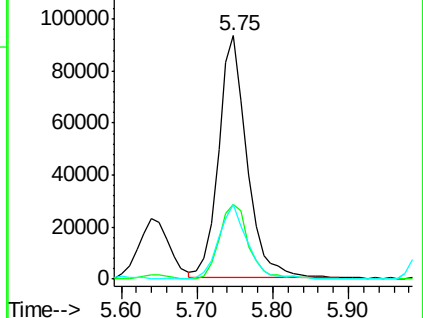
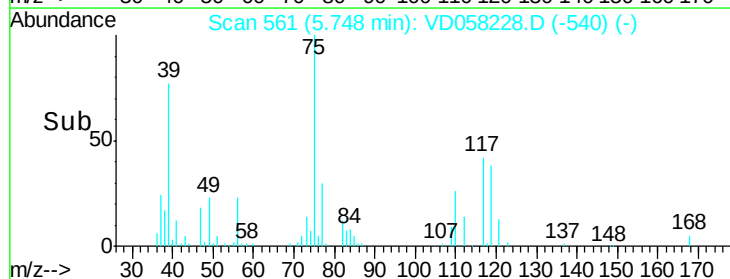
77 30.5 25.4 38.2

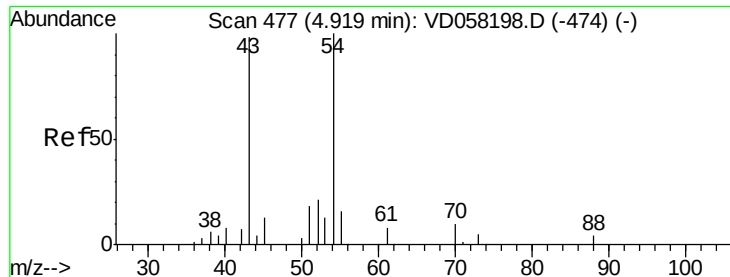


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

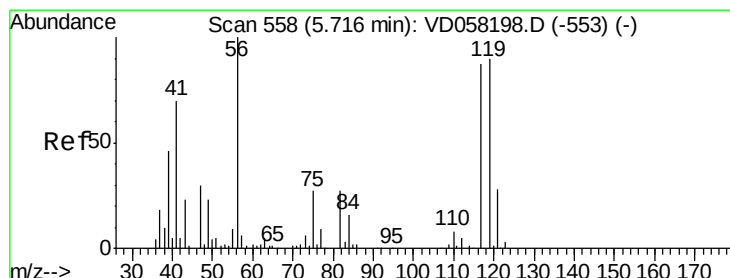
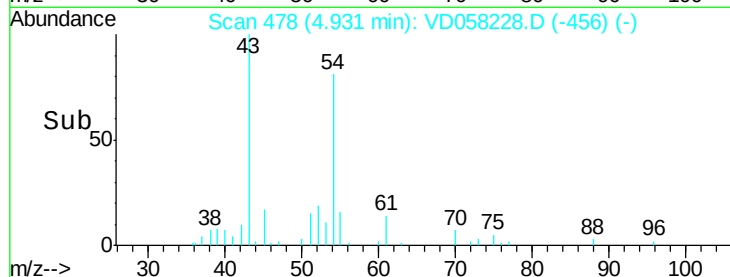
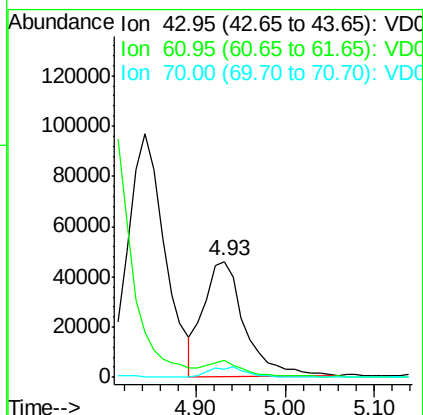
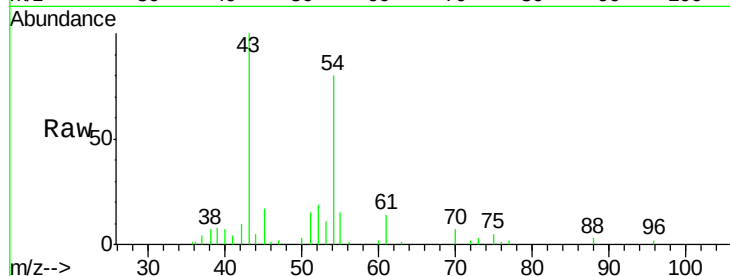




#37
Ethyl Acetate
Concen: 23.506 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

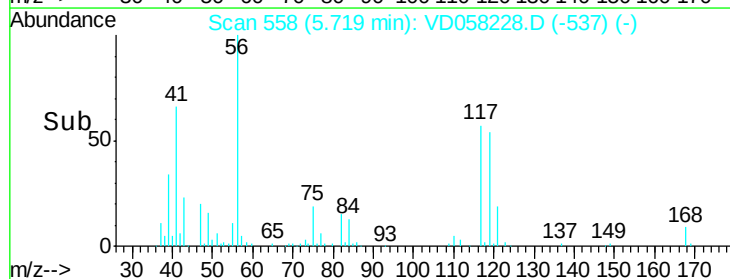
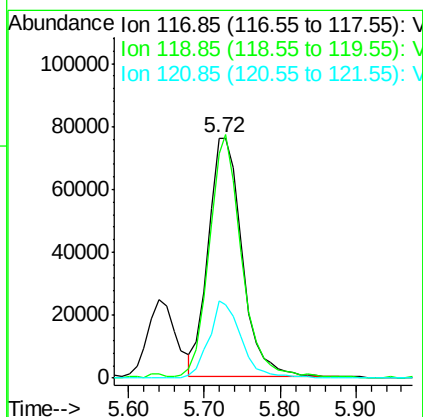
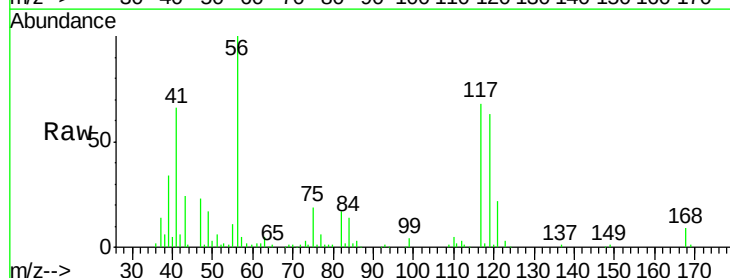
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

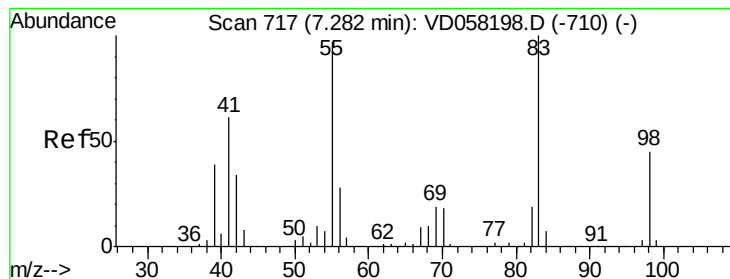
Tot Ion: 43 Resp: 145296
Ion Ratio Lower Upper
43 100
61 14.2 10.3 15.5
70 6.8 5.7 8.5



#38
Carbon Tetrachloride
Concen: 21.969 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Tgt Ion: 117 Resp: 236817
Ion Ratio Lower Upper
117 100
119 93.4 78.8 118.2
121 32.1 25.0 37.6





#39

Methylvlcyclohexane

Concen: 22.387 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

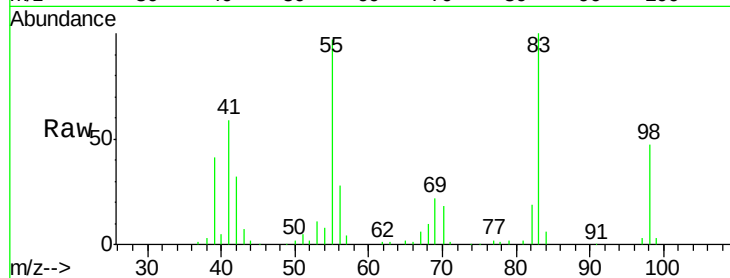
Tot Ion: 83 Resp: 236558

Ion Ratio Lower Upper

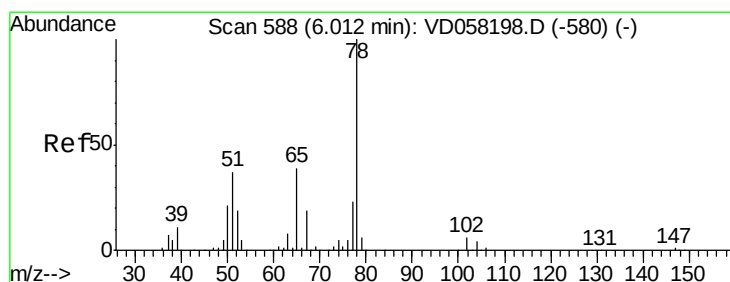
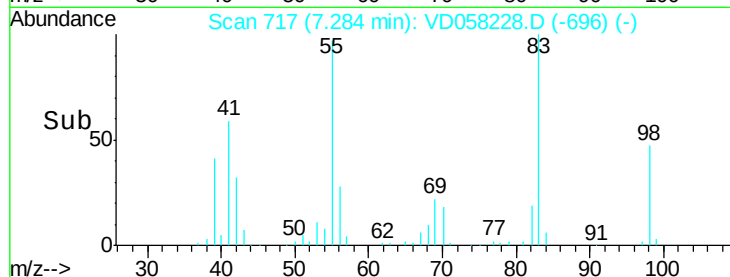
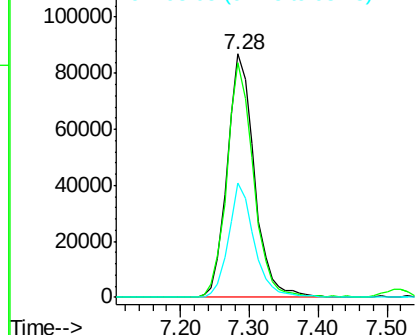
83 100

55 96.6 77.4 116.2

98 47.1 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.354 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058228.D

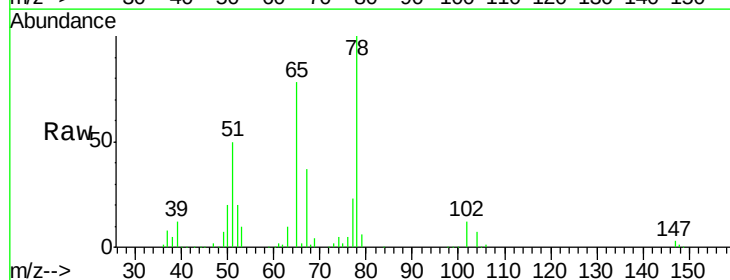
Acq: 21 Jun 2018 1:44

Tgt Ion: 78 Resp: 577681

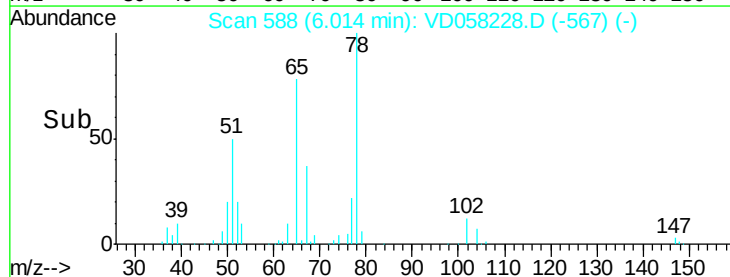
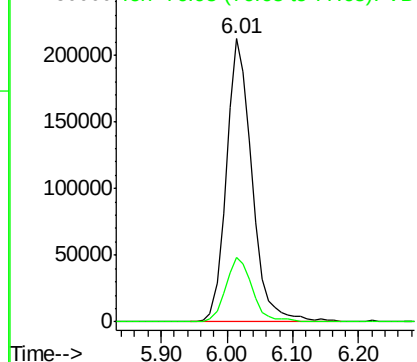
Ion Ratio Lower Upper

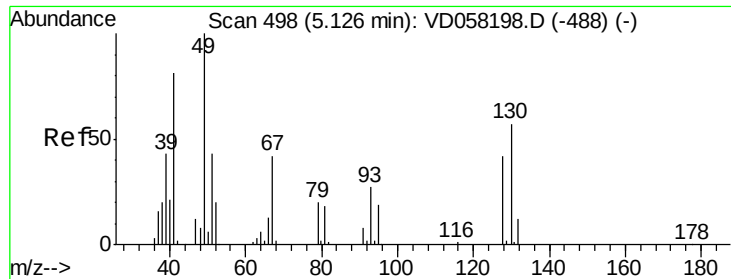
78 100

77 23.0 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

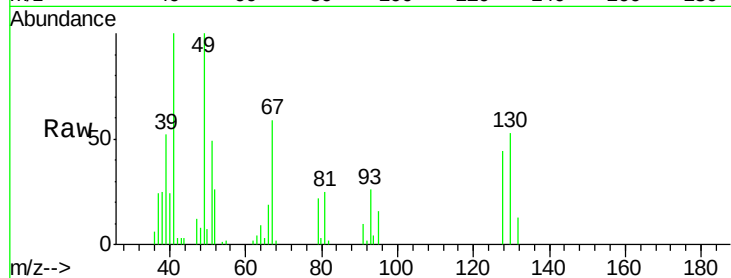




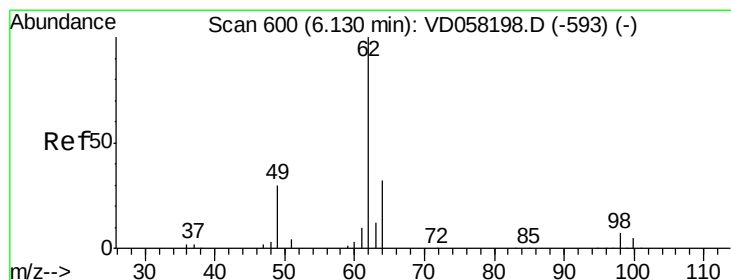
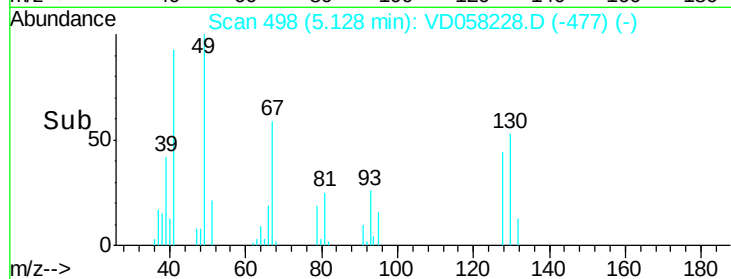
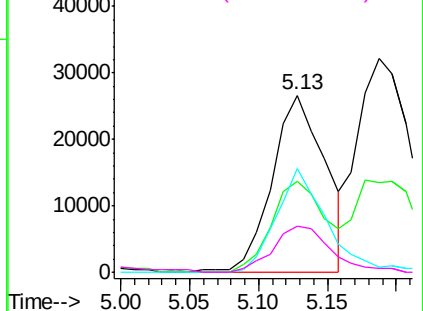
#41
Methacrylonitrile
Concen: 23.951 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD03

Tot Ion:	41	Resp:	71489
Ion	Ratio	Lower	Upper
41	100		
39	51.7	43.4	65.2
67	59.0	41.7	62.5
52	26.0	20.6	30.8

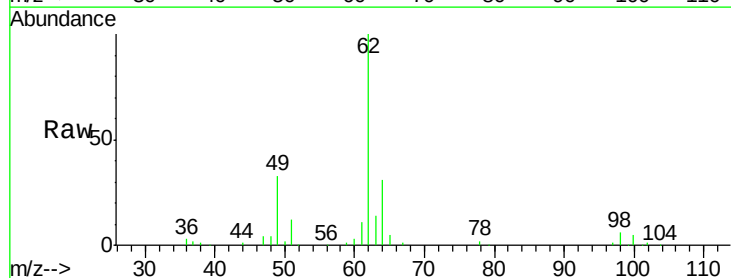


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

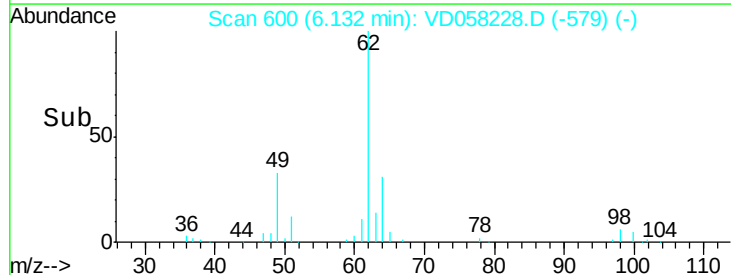
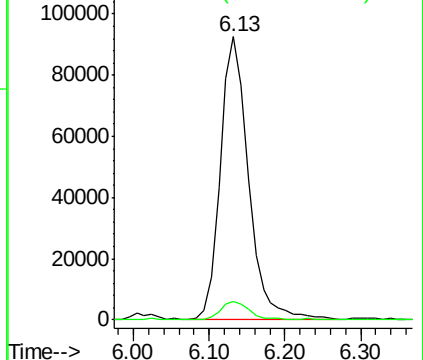


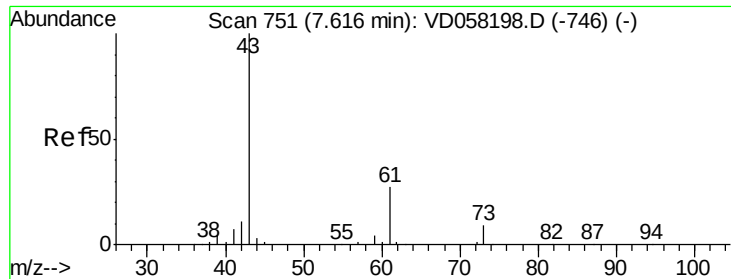
#42
1,2-Dichloroethane
Concen: 22.979 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Tgt Ion:	62	Resp:	239450
Ion	Ratio	Lower	Upper
62	100		
98	6.3	0.0	13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.251 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

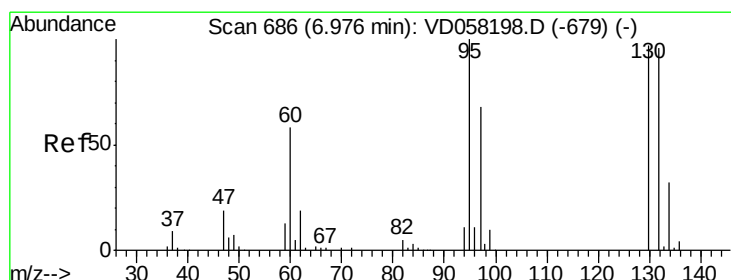
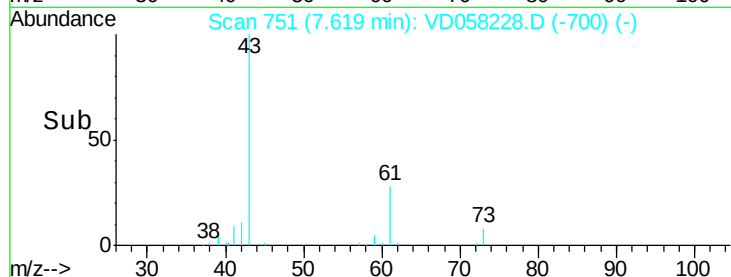
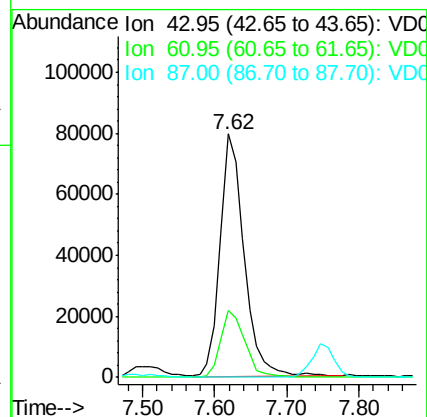
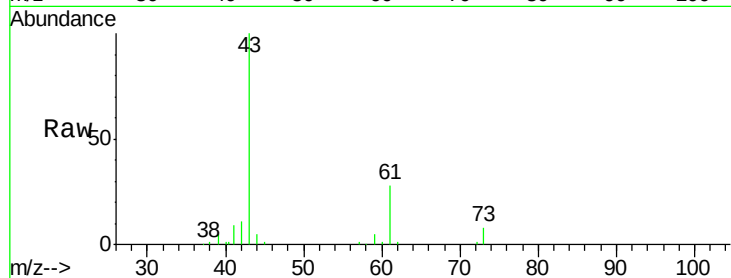
Tot Ion: 43 Resp: 183362

Ion Ratio Lower Upper

43 100

61 27.7 21.8 32.6

87 0.0 0.3 0.5#



#44

Trichloroethene

Concen: 22.546 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058228.D

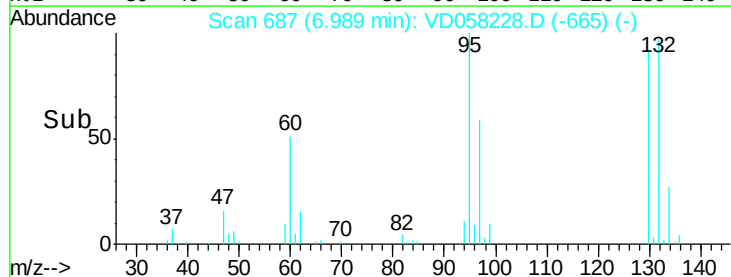
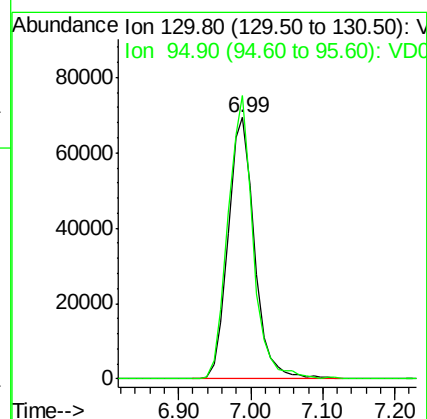
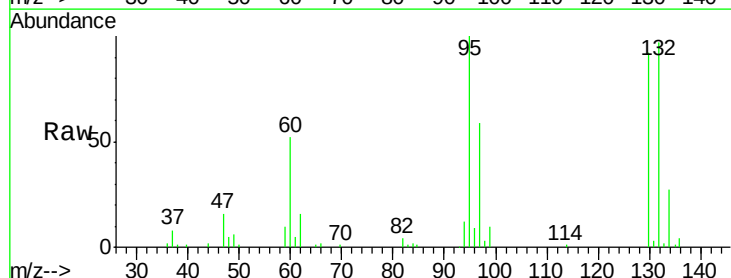
Acq: 21 Jun 2018 1:44

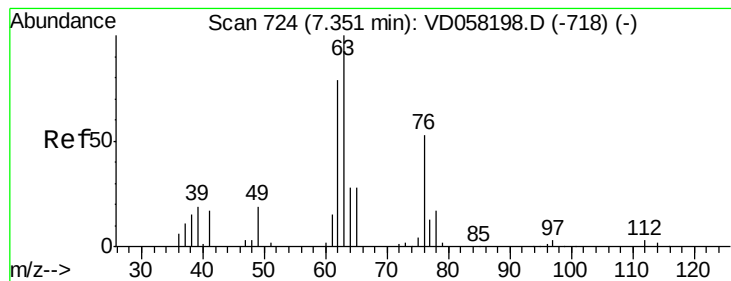
Tgt Ion: 130 Resp: 174961

Ion Ratio Lower Upper

130 100

95 108.3 0.0 205.6





#45

1,2-Dichloropropane

Concen: 23.713 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

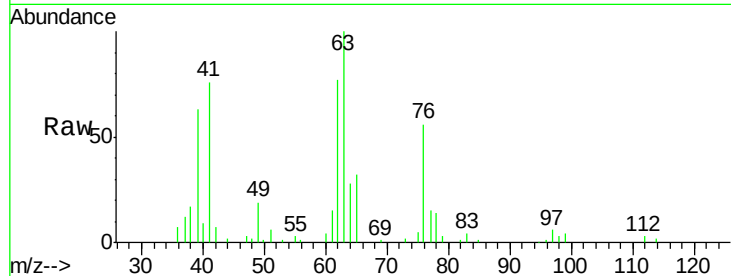
VD0620SBSD03

Tot Ion: 63 Resp: 165038

Ion Ratio Lower Upper

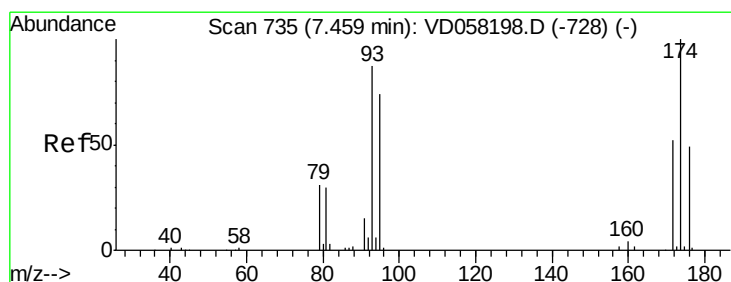
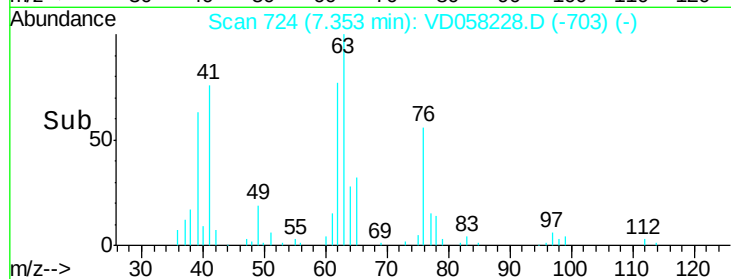
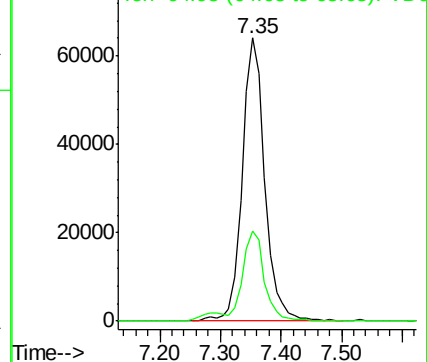
63 100

65 31.8 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.900 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

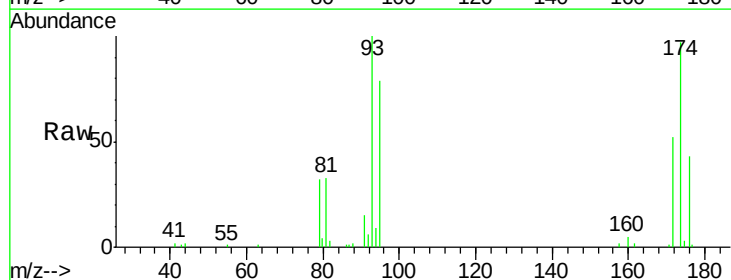
Tgt Ion: 93 Resp: 113551

Ion Ratio Lower Upper

93 100

95 78.8 67.8 101.6

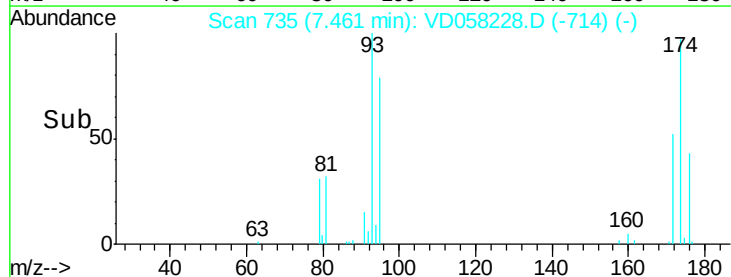
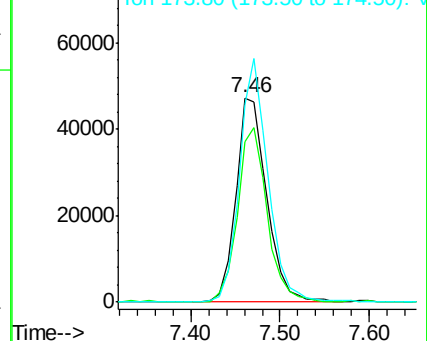
174 96.8 92.2 138.2

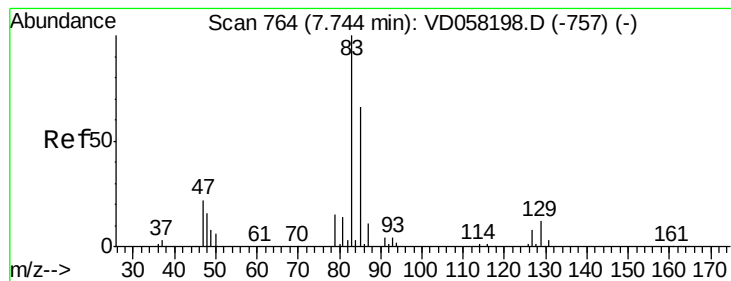


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.420 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

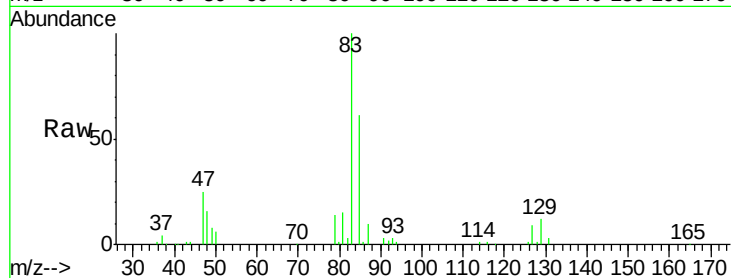
Tot Ion: 83 Resp: 253742

Ion Ratio Lower Upper

83 100

85 61.0 52.6 78.8

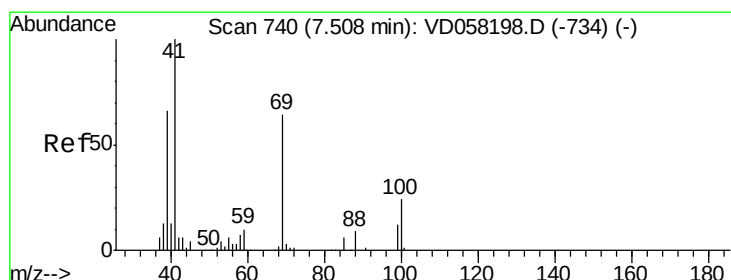
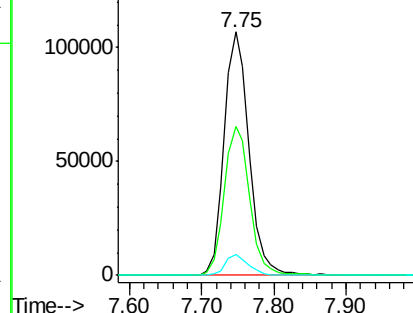
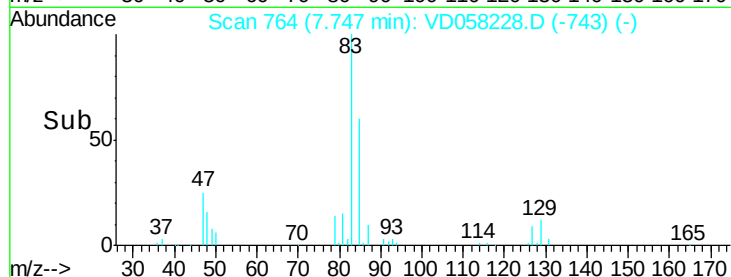
127 8.7 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.031 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

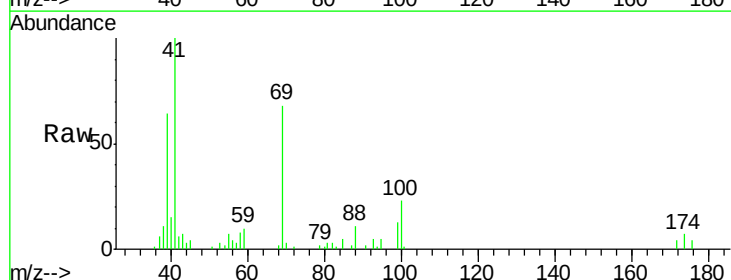
Tgt Ion: 41 Resp: 110341

Ion Ratio Lower Upper

41 100

69 67.9 50.7 76.1

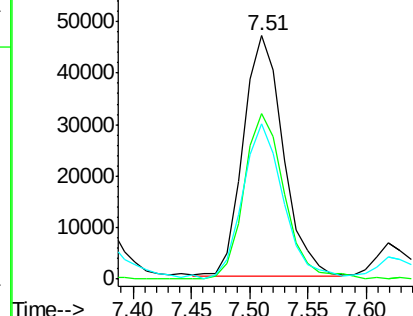
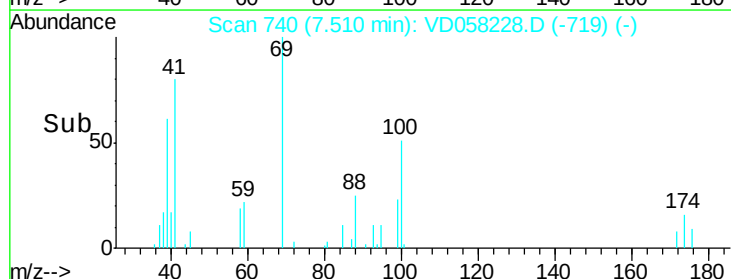
39 63.8 52.6 78.8

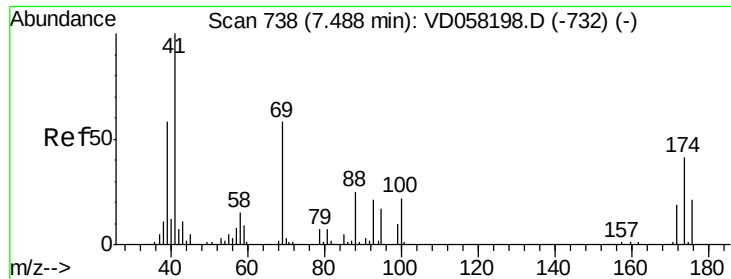


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 477.366 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

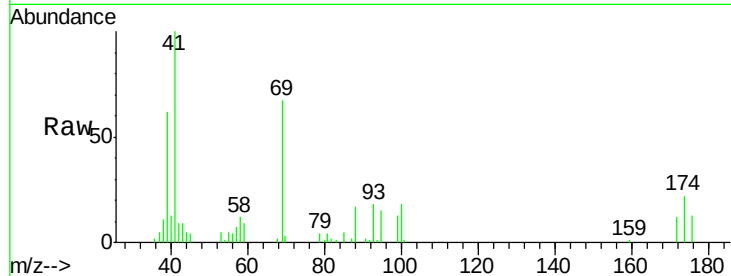
Tot Ion: 88 Resp: 21582

Ion Ratio Lower Upper

88 100

43 52.0 34.2 51.2#

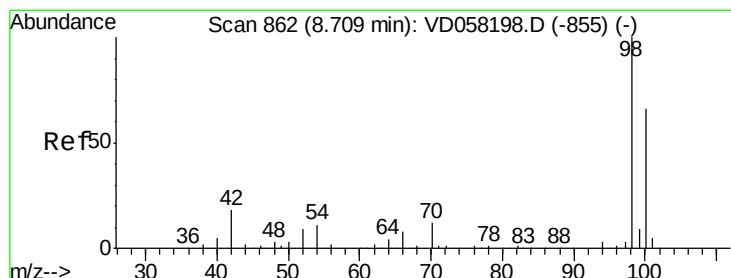
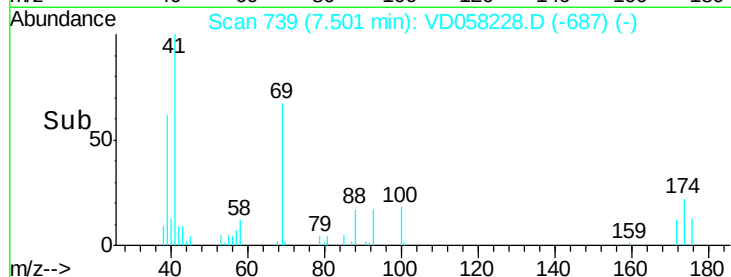
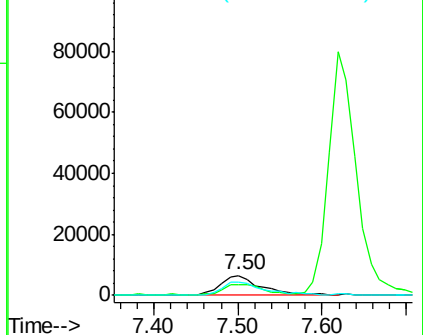
58 69.4 47.9 71.9



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: 477.366 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058228.D

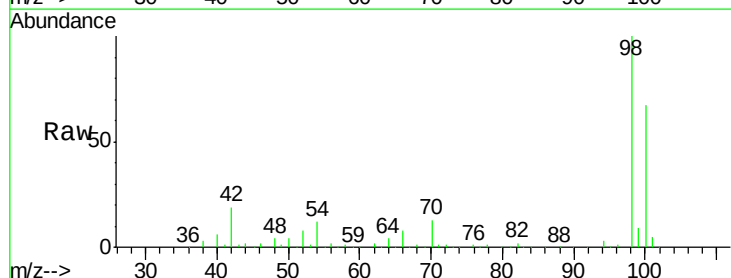
Acq: 21 Jun 2018 1:44

Tgt Ion: 98 Resp: 1107995

Ion Ratio Lower Upper

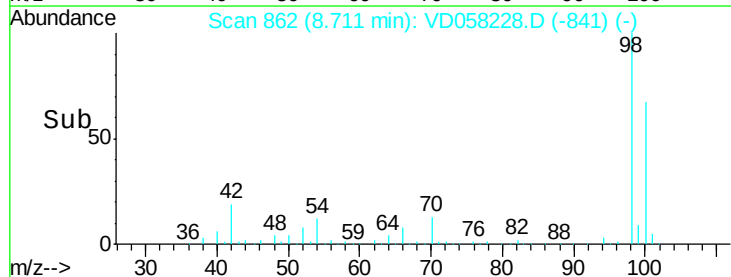
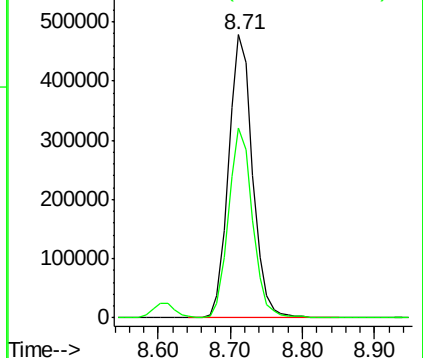
98 100

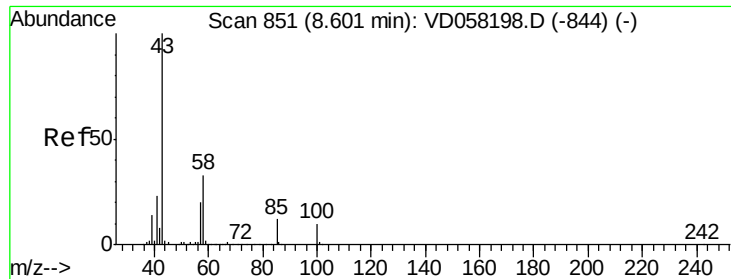
100 67.3 53.6 80.4



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: 116.555 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

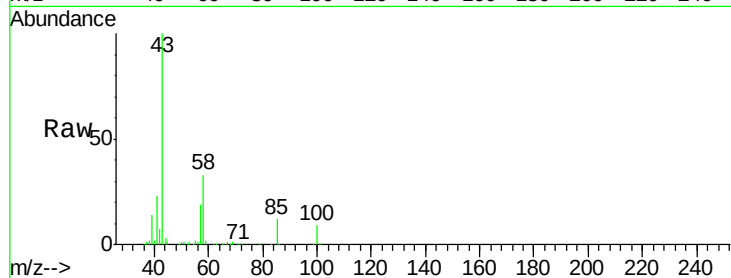
VD0620SBS03

Tot Ion: 43 Resp: 626507

Ion Ratio Lower Upper

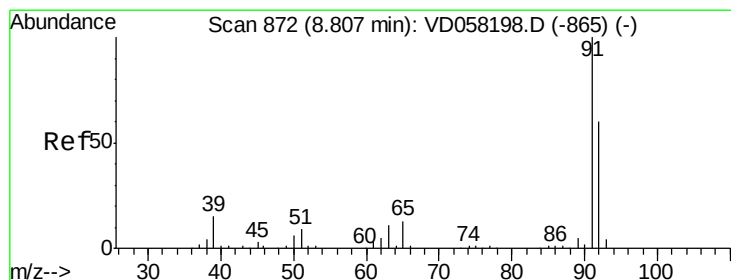
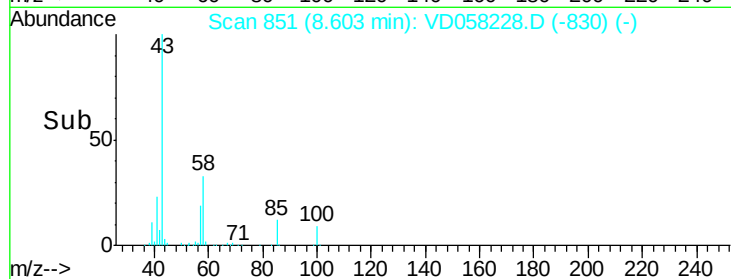
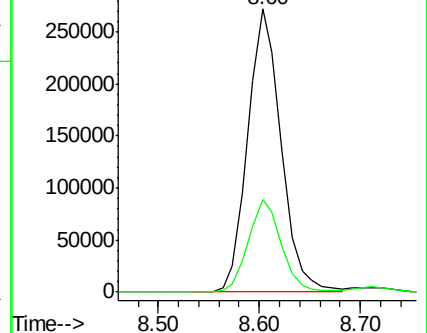
43 100

58 32.6 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.445 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058228.D

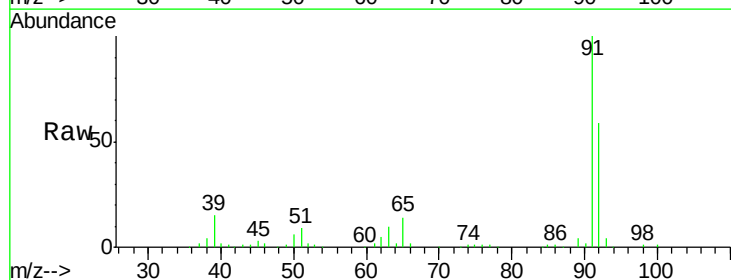
Acq: 21 Jun 2018 1:44

Tgt Ion: 92 Resp: 344990

Ion Ratio Lower Upper

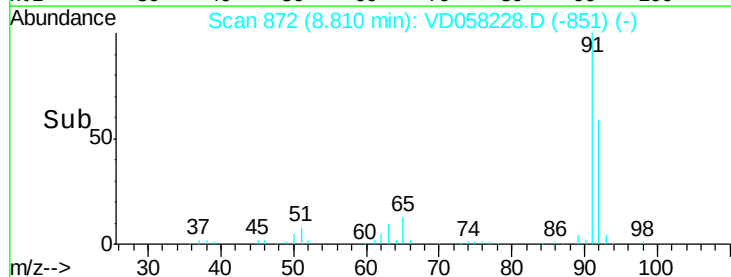
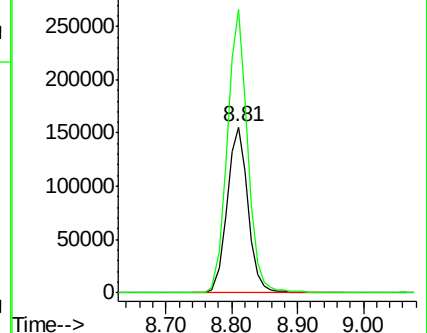
92 100

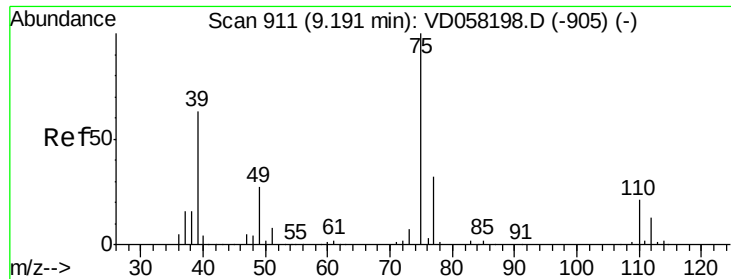
91 170.3 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

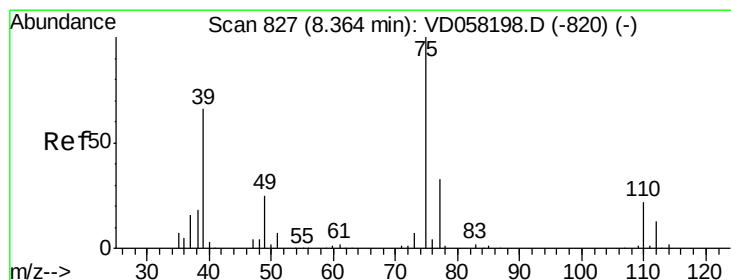
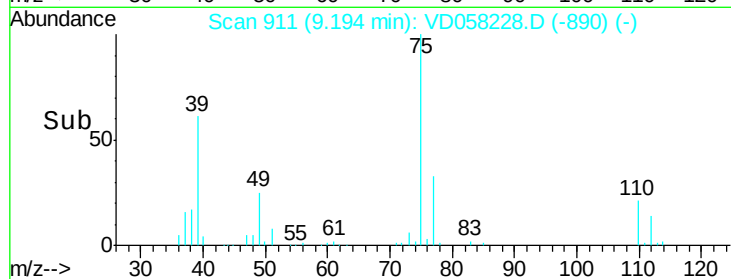
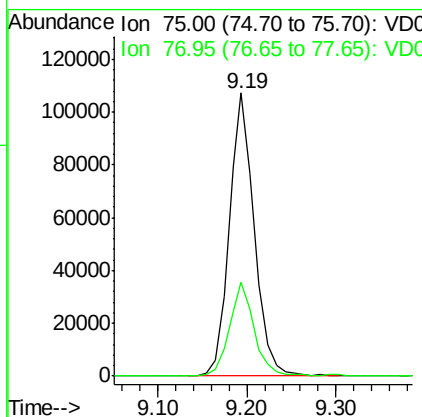
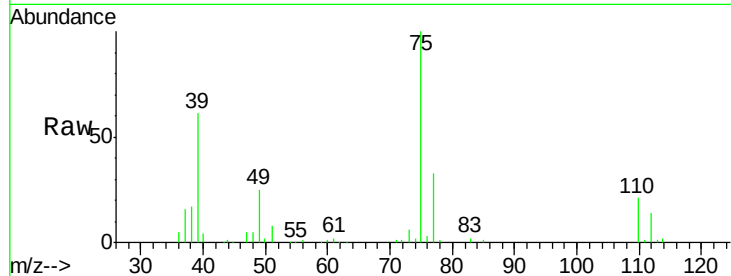




#53
 t-1,3-Dichloropropene
 Concen: 22.274 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

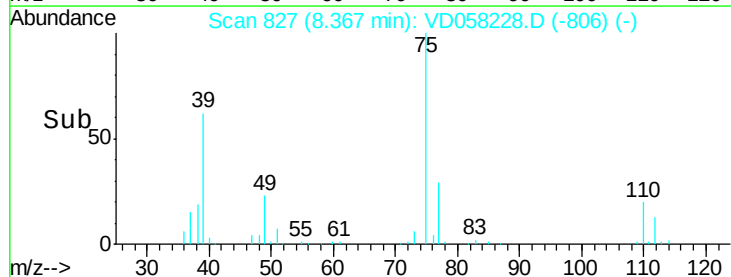
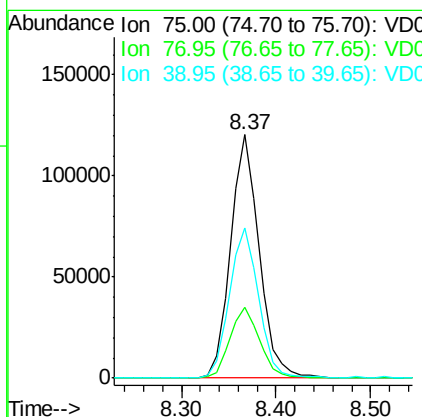
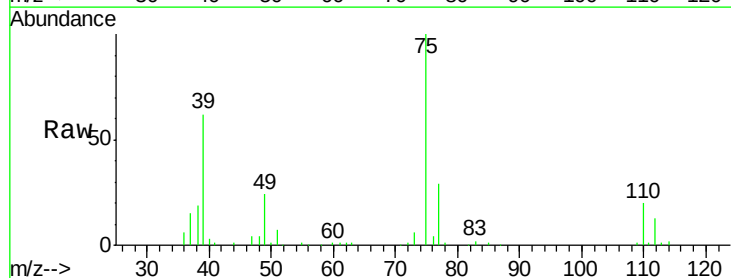
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD03

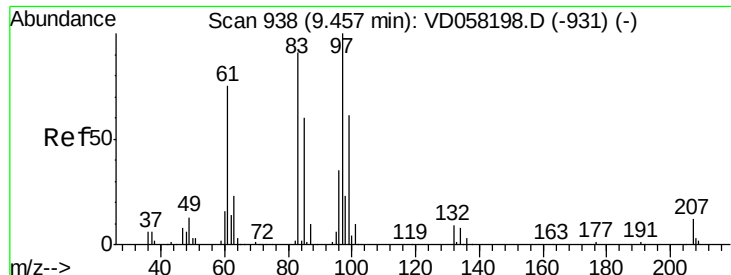
Tot Ion: 75 Resp: 209817
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.760 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

Tgt Ion: 75 Resp: 251339
 Ion Ratio Lower Upper
 75 100
 77 29.2 26.5 39.7
 39 61.9 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 23.023 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

Tot Ion: 97 Resp: 119861

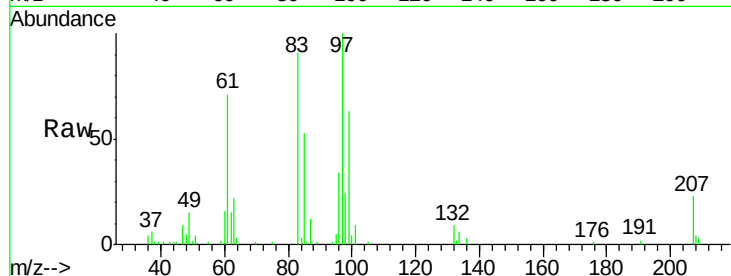
Ion Ratio Lower Upper

97 100

83 91.4 72.9 109.3

85 52.9 48.2 72.4

99 62.9 48.9 73.3

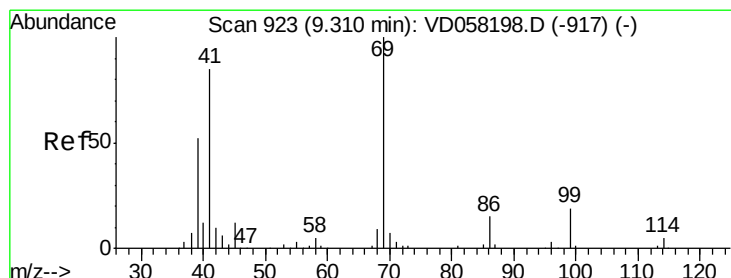
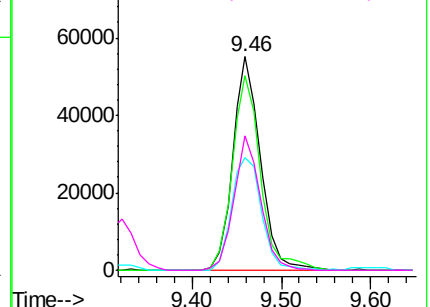
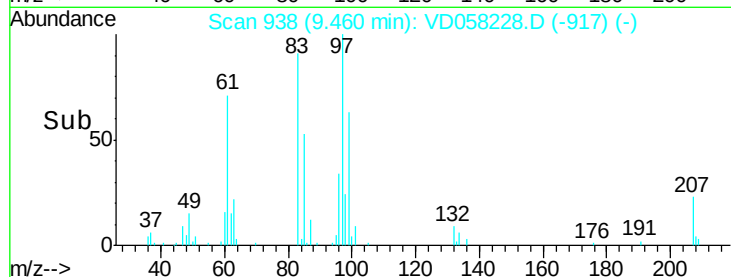


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 23.015 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

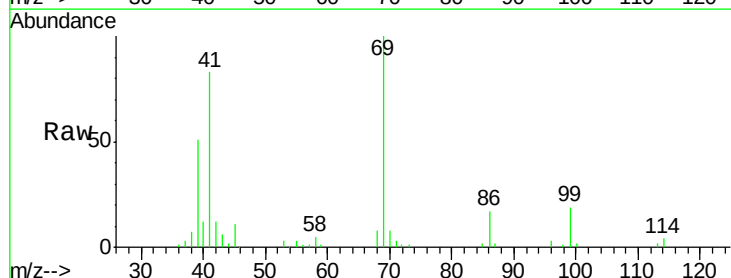
Tgt Ion: 69 Resp: 143298

Ion Ratio Lower Upper

69 100

41 82.6 67.6 101.4

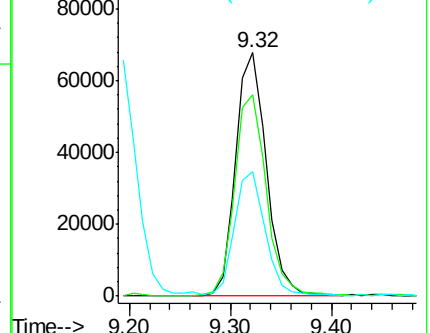
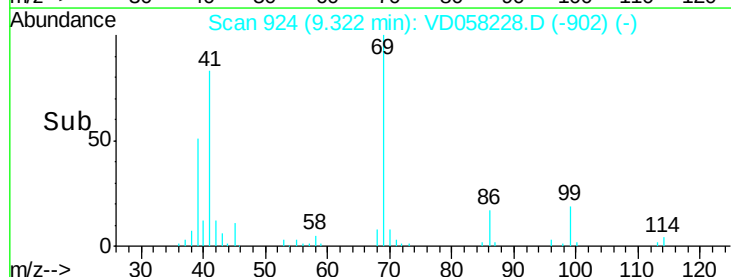
39 50.9 42.2 63.2

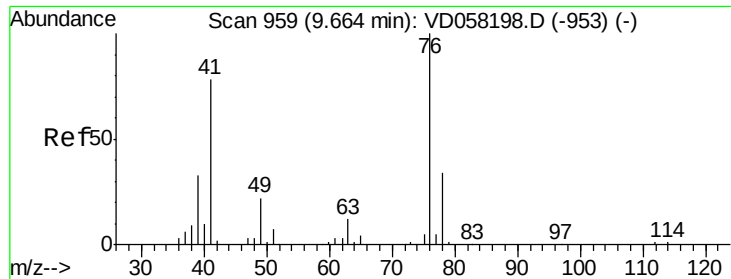


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 23.330 ug/l

RT: 9.68 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

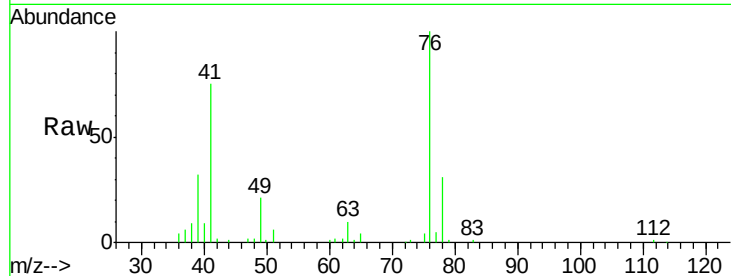
VD0620SBSD03

Tot Ion: 76 Resp: 204602

Ion Ratio Lower Upper

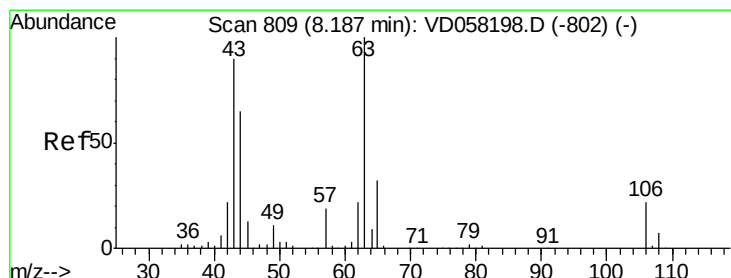
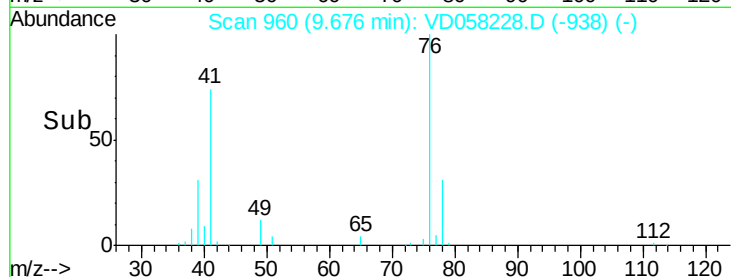
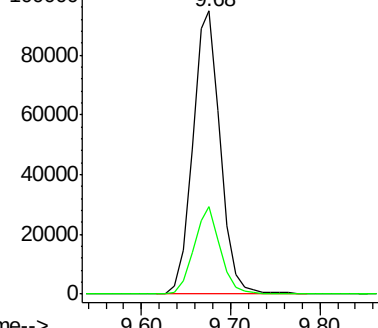
76 100

78 30.7 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 117.224 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058228.D

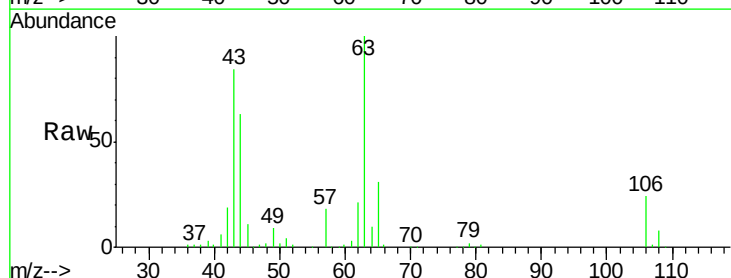
Acq: 21 Jun 2018 1:44

Tgt Ion: 63 Resp: 361328

Ion Ratio Lower Upper

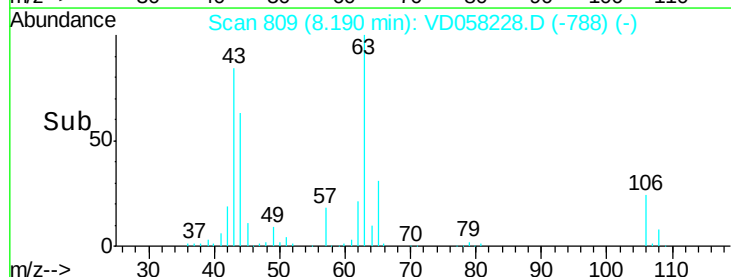
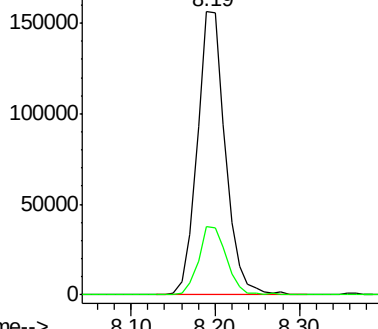
63 100

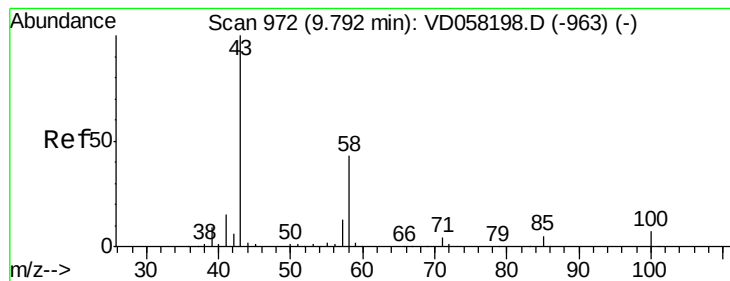
106 24.0 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 113.585 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

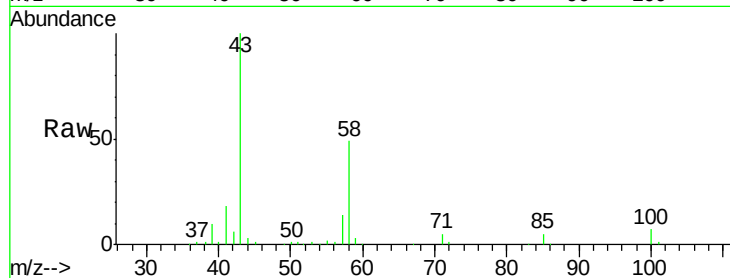
VD0620SBSD03

Tot Ion: 43 Resp: 441168

Ion Ratio Lower Upper

43 100

58 48.7 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.79

200000

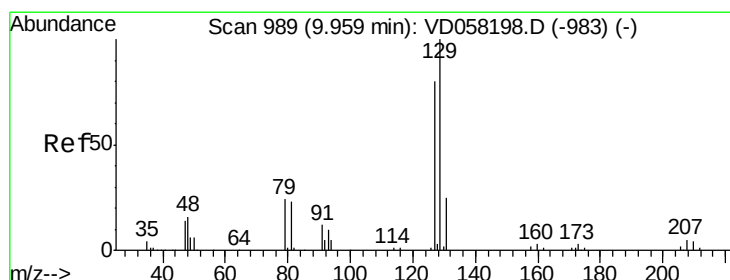
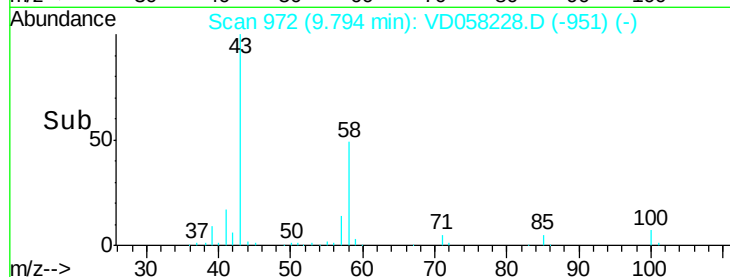
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 22.524 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD058228.D

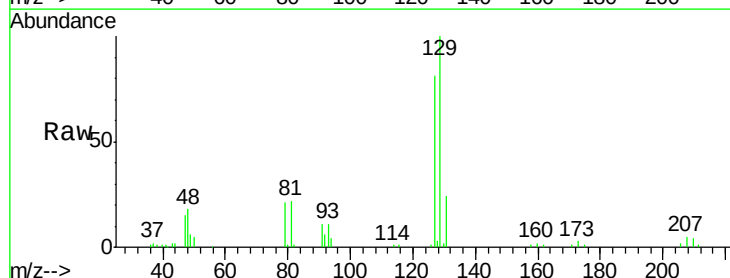
Acq: 21 Jun 2018 1:44

Tgt Ion: 129 Resp: 159140

Ion Ratio Lower Upper

129 100

127 80.8 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.96

80000

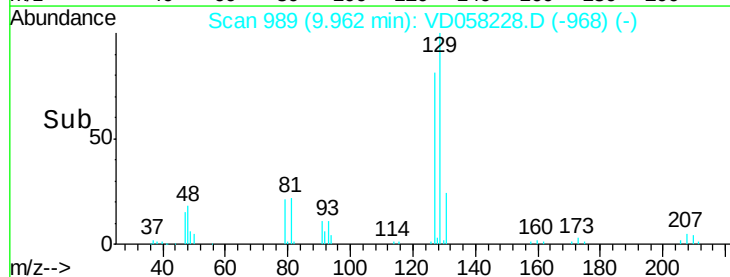
60000

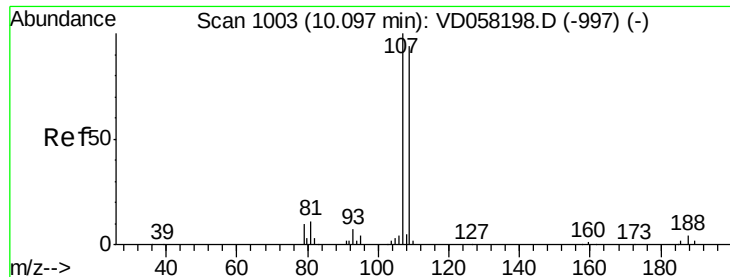
40000

20000

0

Time-->





#61

1,2-Dibromoethane

Concen: 22.294 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

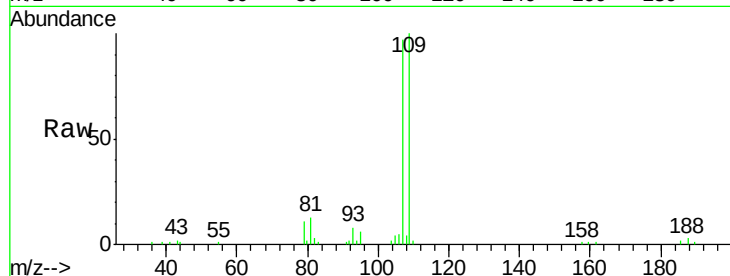
VD0620SBSD03

Tot Ion:107 Resp: 127033

Ion Ratio Lower Upper

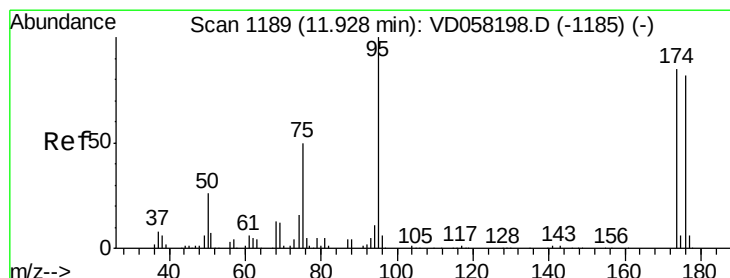
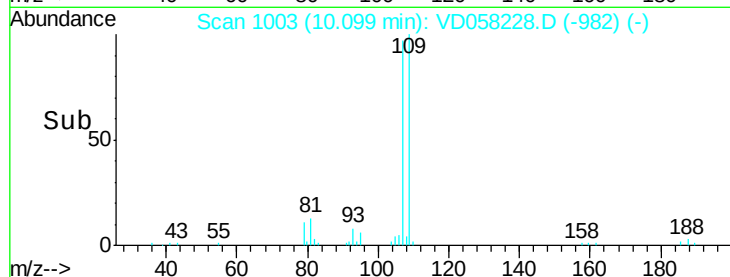
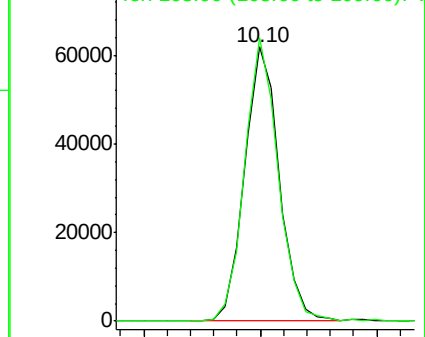
107 100

109 103.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.294 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

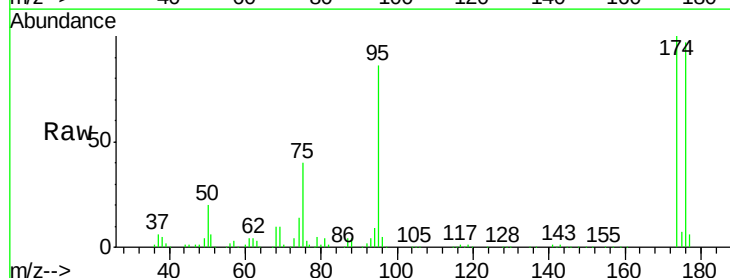
Tgt Ion: 95 Resp: 445806

Ion Ratio Lower Upper

95 100

174 116.4 0.0 170.2

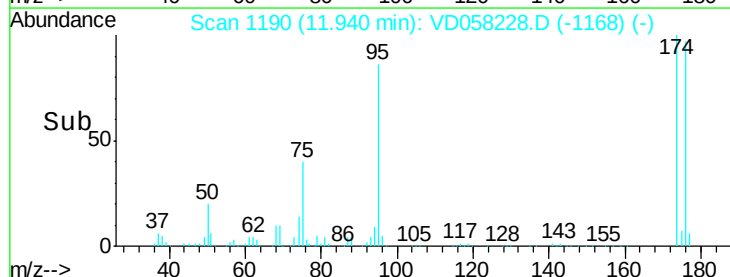
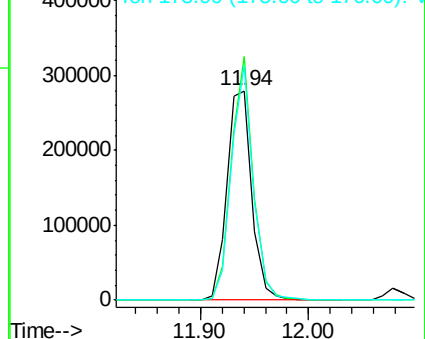
176 112.4 0.0 164.6

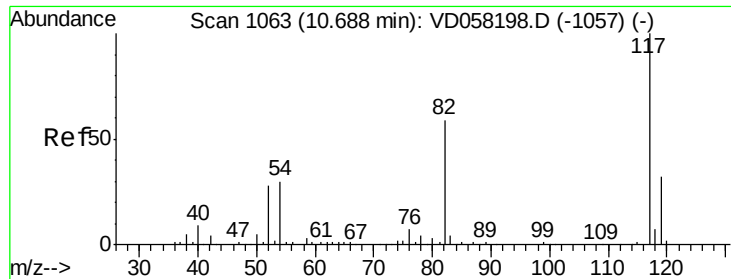


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

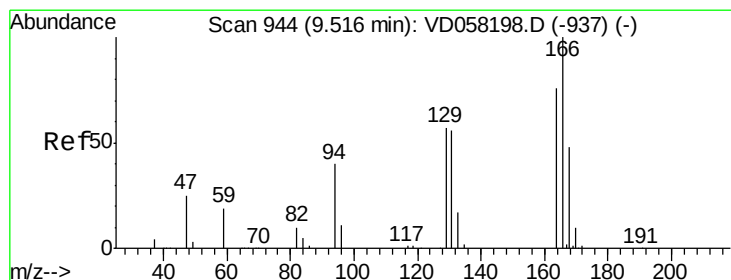
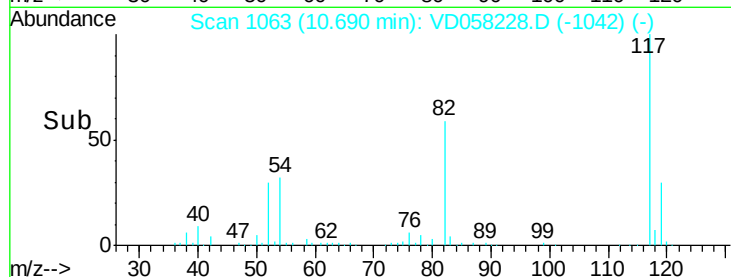
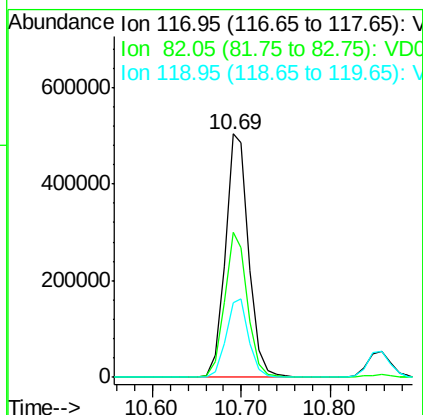
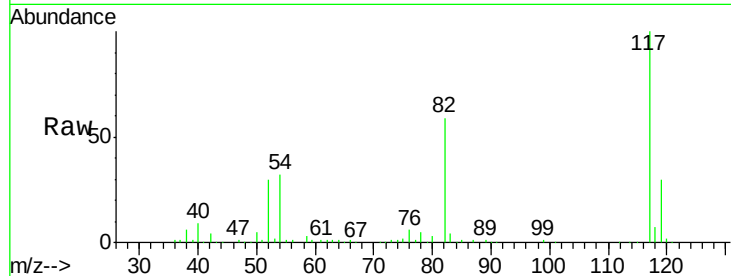




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

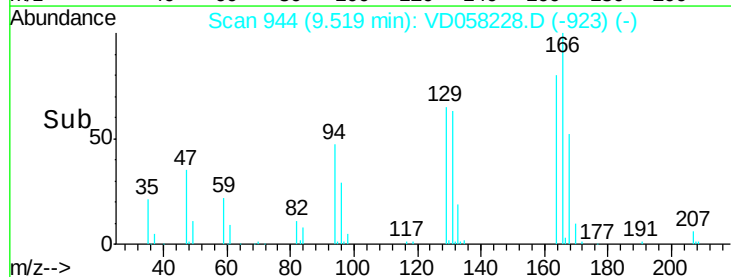
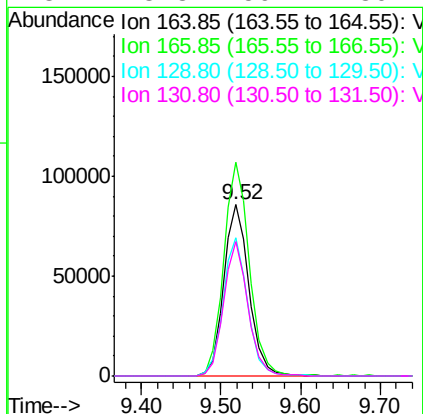
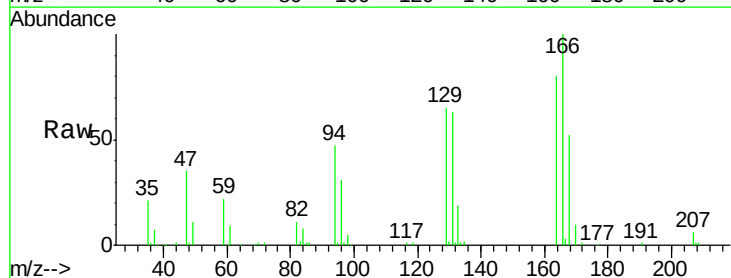
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD03

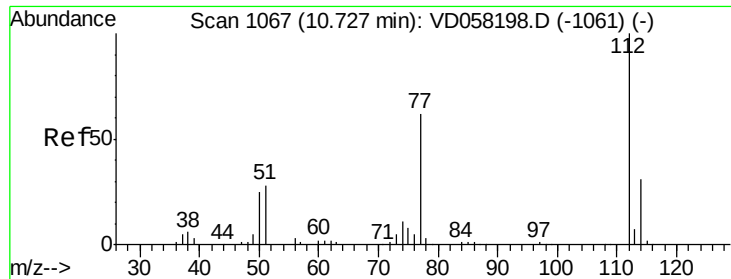
Tot Ion:117 Resp: 930875
Ion Ratio Lower Upper
117 100
82 59.5 47.0 70.6
119 30.5 25.3 37.9



#64
Tetrachloroethene
Concen: 24.364 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Tgt Ion:164 Resp: 190834
Ion Ratio Lower Upper
164 100
166 124.7 105.4 158.0
129 80.7 59.6 89.4
131 78.8 59.4 89.2

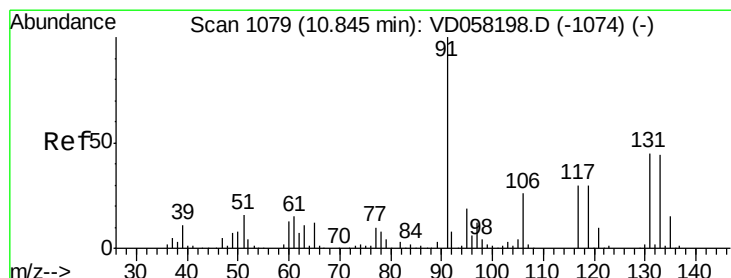
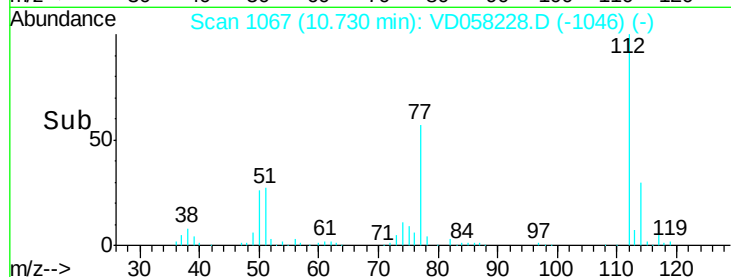
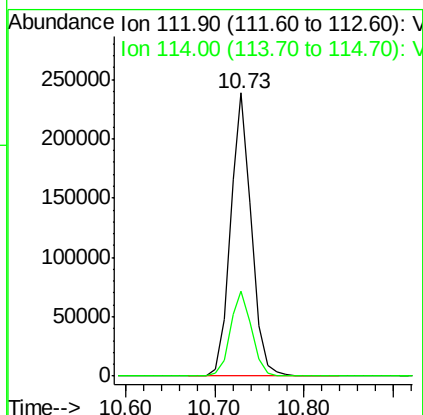
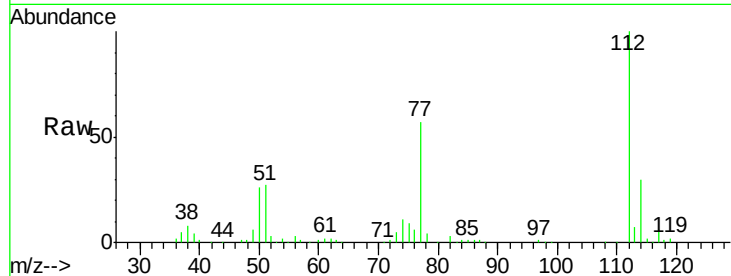




#65
Chlorobenzene
Concen: 22.500 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

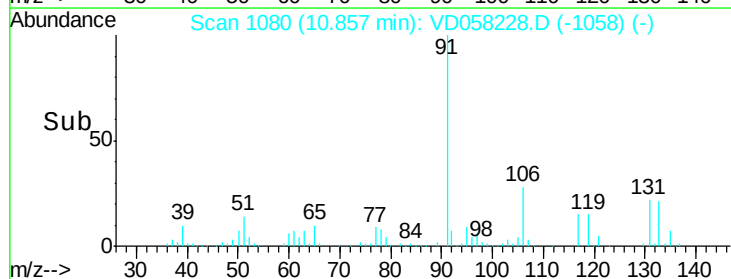
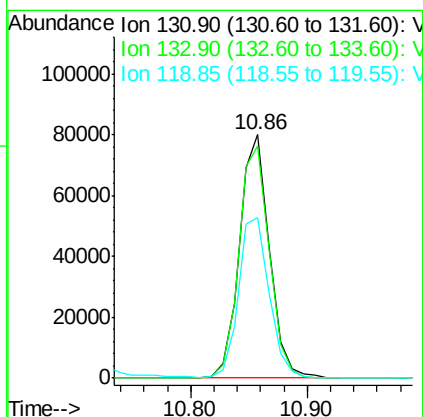
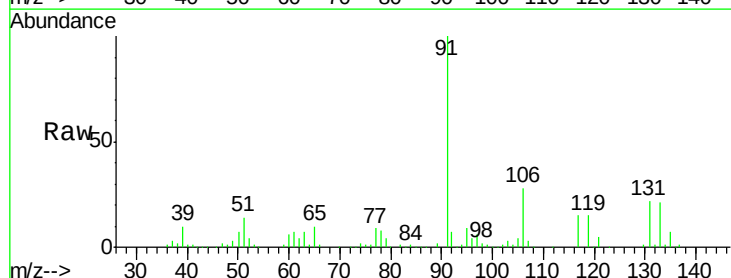
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD03

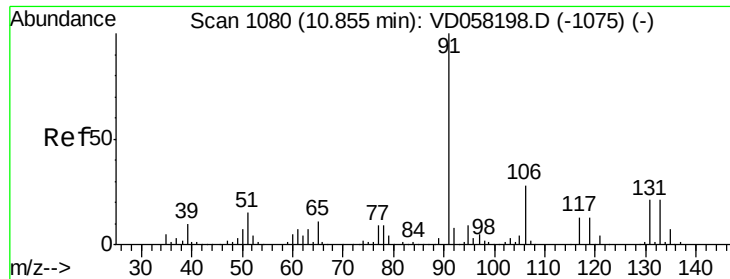
Tot Ion:112 Resp: 391782
Ion Ratio Lower Upper
112 100
114 30.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.976 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Tgt Ion:131 Resp: 140952
Ion Ratio Lower Upper
131 100
133 95.5 48.6 145.9
119 65.9 33.0 99.0

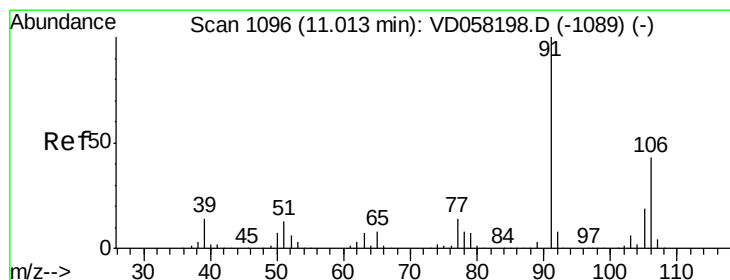
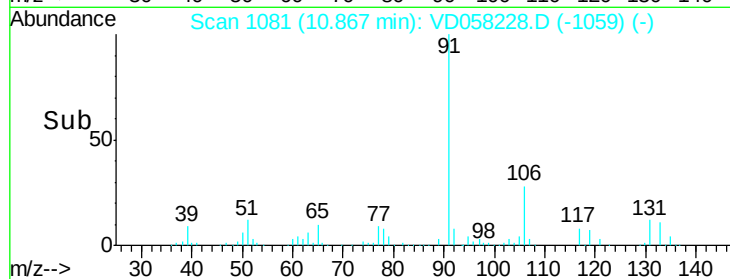
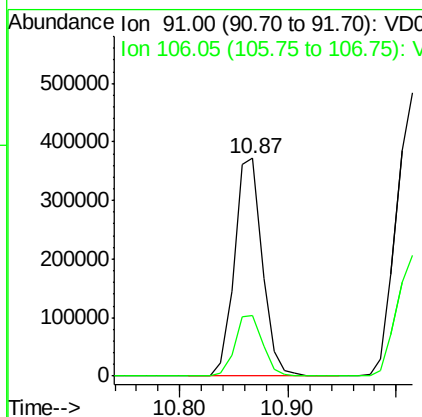
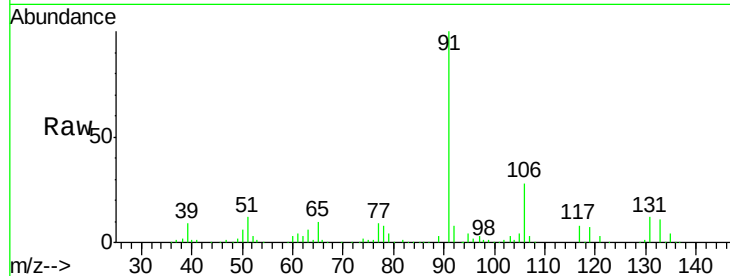




#67
Ethyl Benzene
Concen: 21.779 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

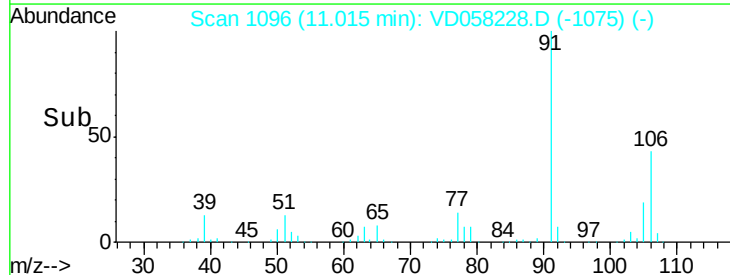
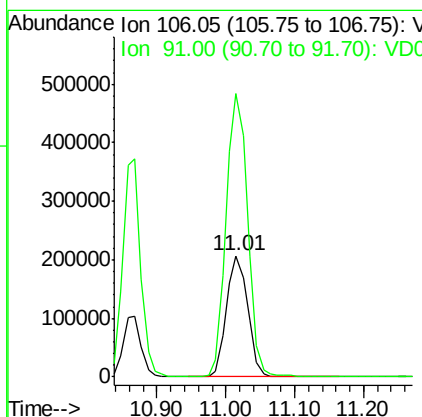
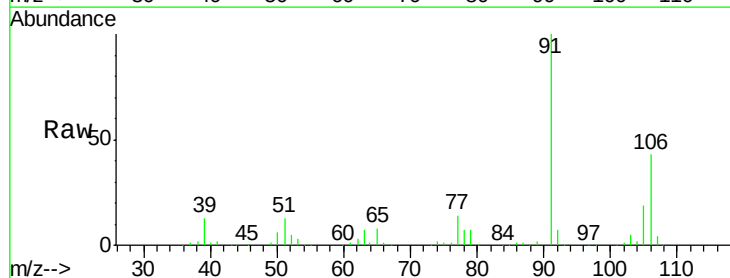
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD03

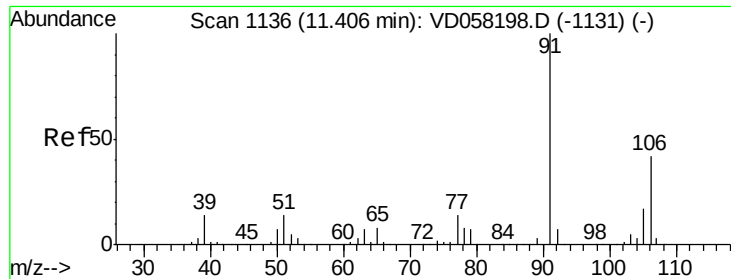
Tot Ion: 91 Resp: 669488
Ion Ratio Lower Upper
91 100
106 27.9 22.0 33.0



#68
m/p-Xylenes
Concen: 43.329 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Tgt Ion: 106 Resp: 444180
Ion Ratio Lower Upper
106 100
91 234.1 185.0 277.6

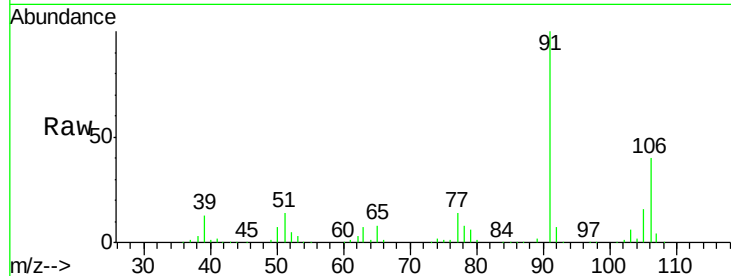




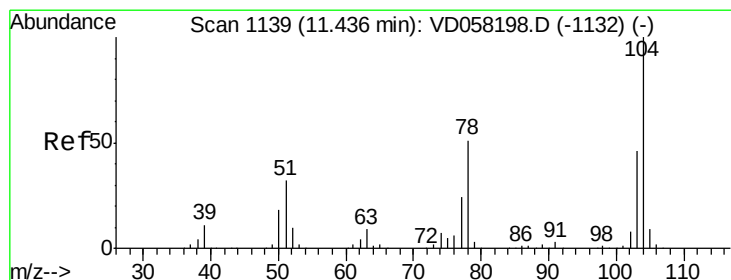
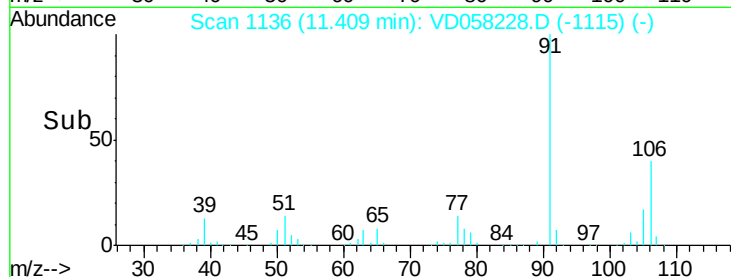
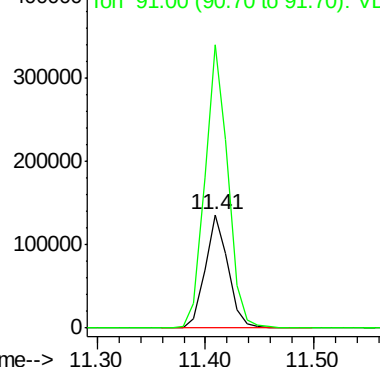
#69
o-Xylene
Concen: 20.468 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD03

Tot Ion:106 Resp: 200407
Ion Ratio Lower Upper
106 100
91 249.9 120.2 360.6

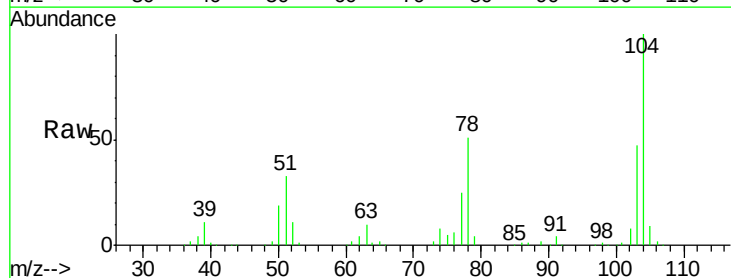


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

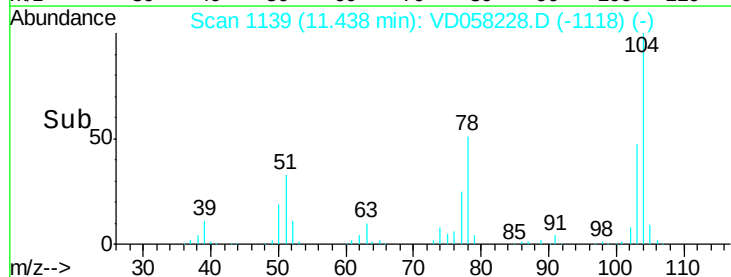
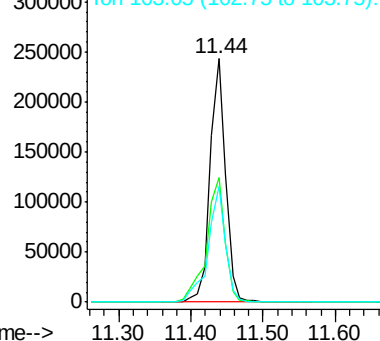


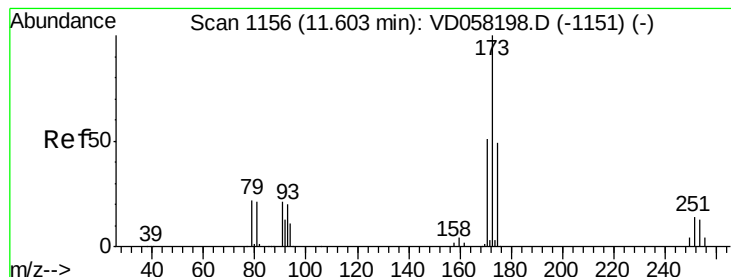
#70
Styrene
Concen: 21.943 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058228.D
Acq: 21 Jun 2018 1:44

Tgt Ion:104 Resp: 366612
Ion Ratio Lower Upper
104 100
78 51.2 40.8 61.2
103 47.4 37.0 55.6



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: 21.233 ug/l

RT: 11.61 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

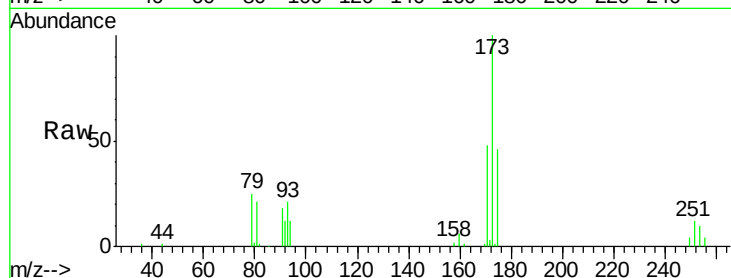
Tot Ion:173 Resp: 113819

Ion Ratio Lower Upper

173 100

175 45.5 24.6 74.0

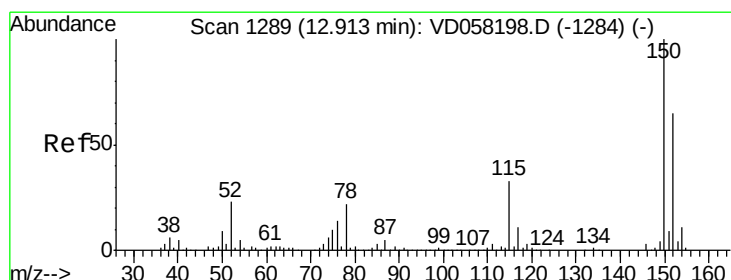
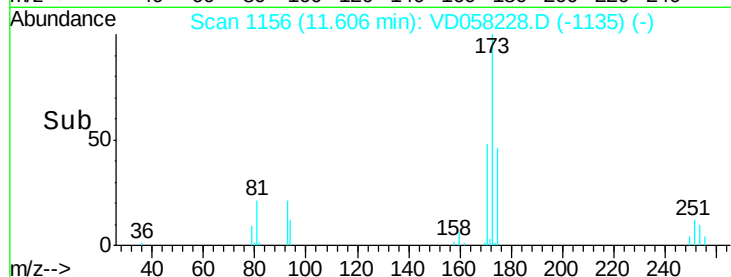
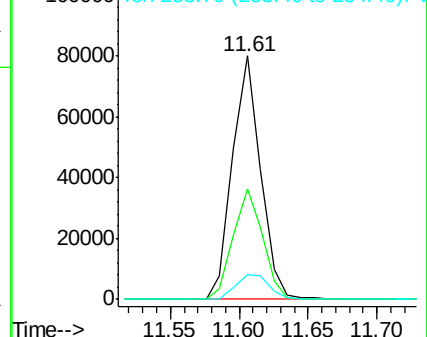
254 10.2 10.3 15.5#



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: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

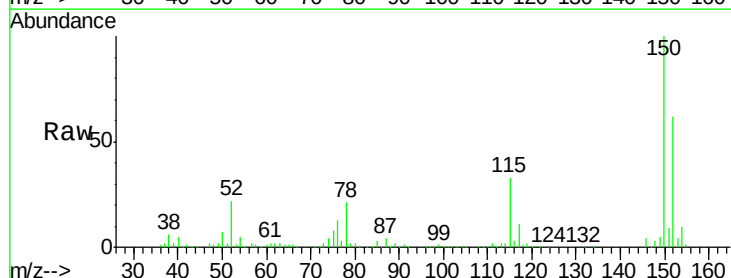
Tgt Ion:152 Resp: 479140

Ion Ratio Lower Upper

152 100

115 53.4 25.1 75.3

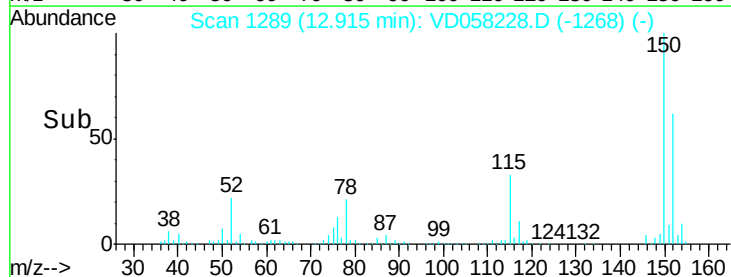
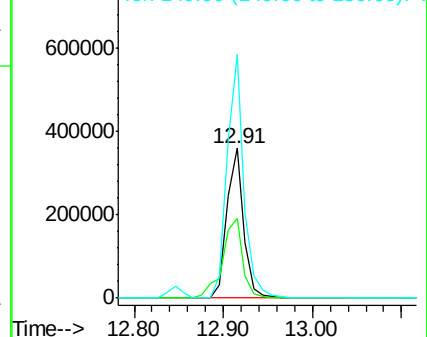
150 162.2 0.0 308.8

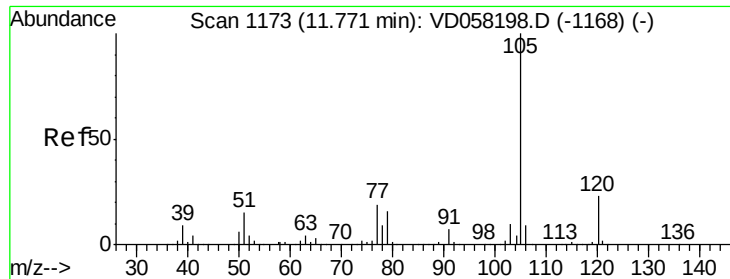


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.845 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

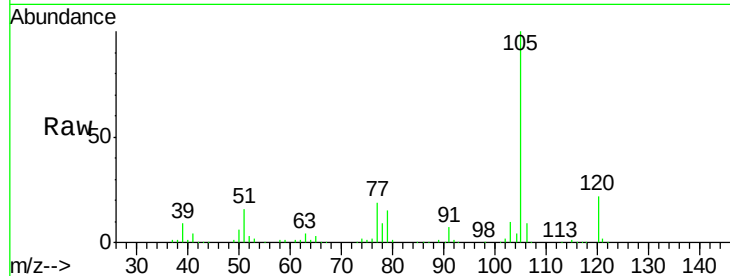
VD0620SBSD03

Tot Ion: 105 Resp: 597417

Ion Ratio Lower Upper

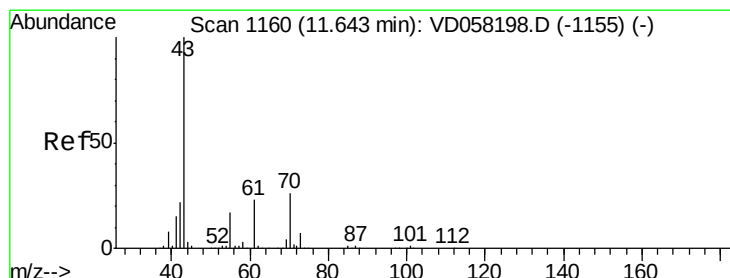
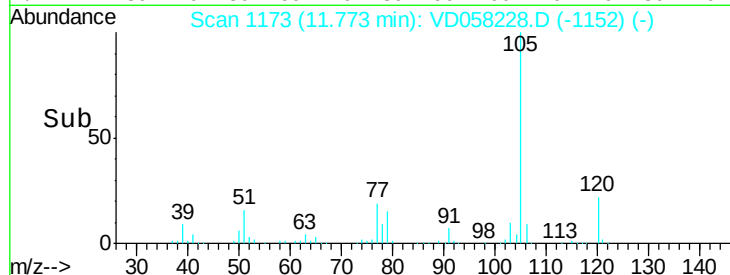
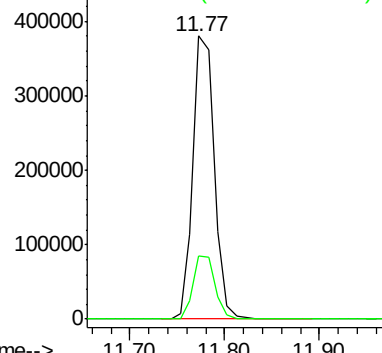
105 100

120 22.2 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.656 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Tgt Ion: 43 Resp: 239981

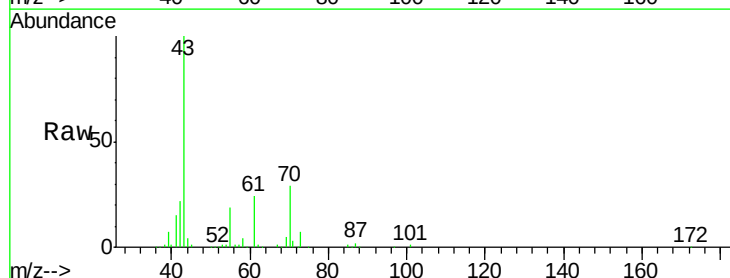
Ion Ratio Lower Upper

43 100

70 28.7 20.9 31.3

55 18.7 13.5 20.3

61 23.7 18.2 27.2

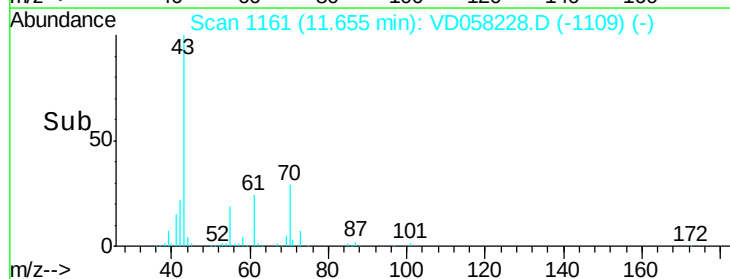
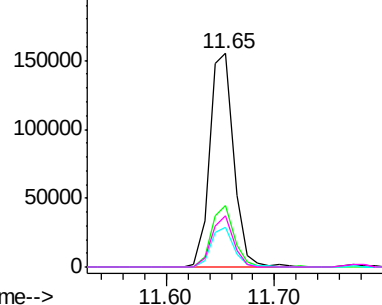


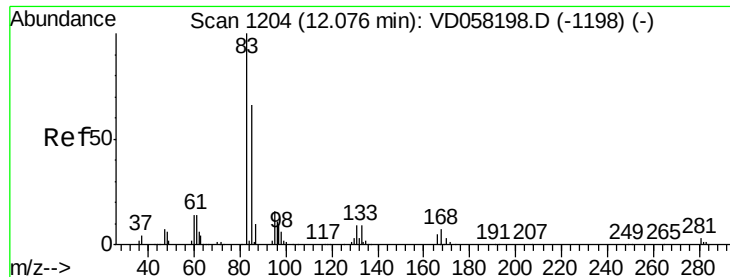
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.531 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

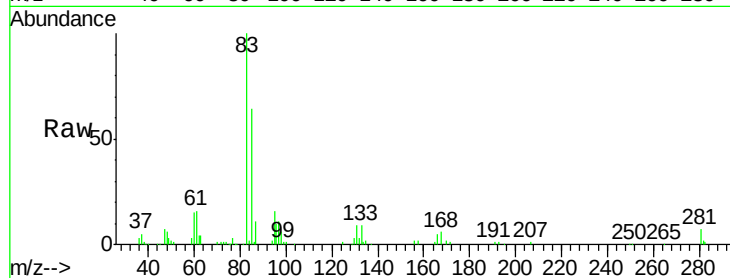
Tot Ion: 83 Resp: 143597

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.8	14.3
85	63.7	33.1	99.5

83 100

131 8.5 4.8 14.3

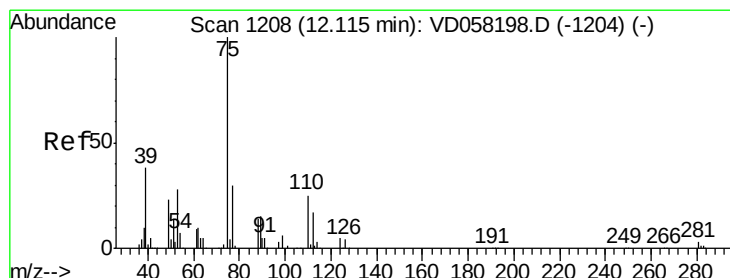
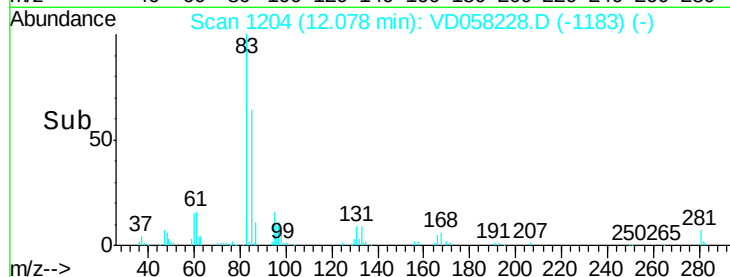
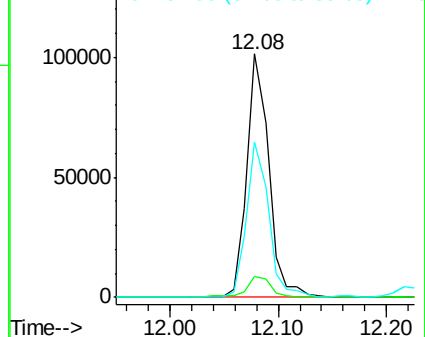
85 63.7 33.1 99.5



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: 21.812 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058228.D

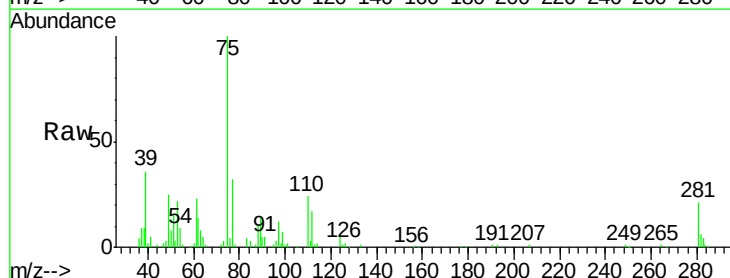
Acq: 21 Jun 2018 1:44

Tgt Ion: 75 Resp: 152587

Ion	Ratio	Lower	Upper
75	100		
77	31.6	16.0	47.9

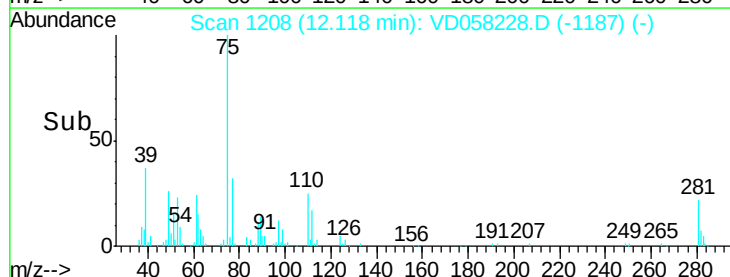
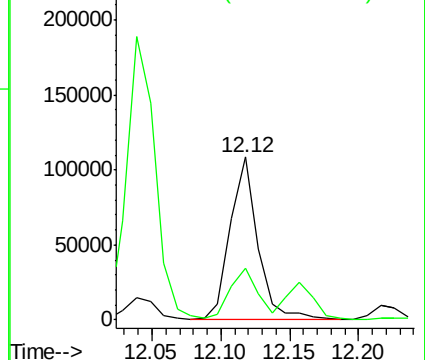
75 100

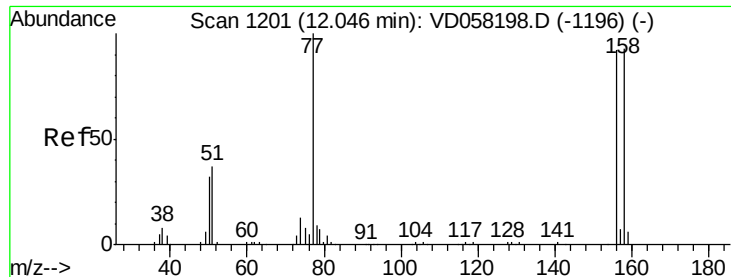
77 31.6 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.176 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

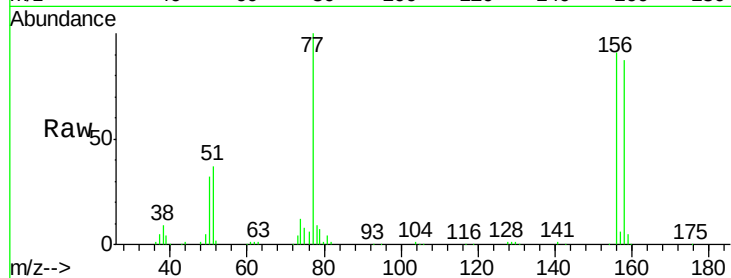
Tot Ion:156 Resp: 198898

Ion Ratio Lower Upper

156 100

77 109.7 54.5 163.6

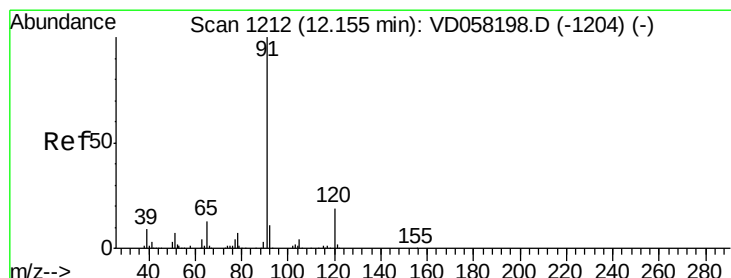
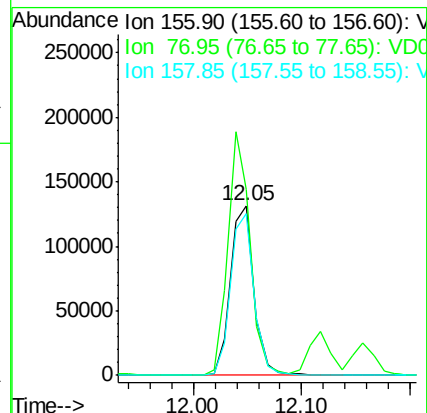
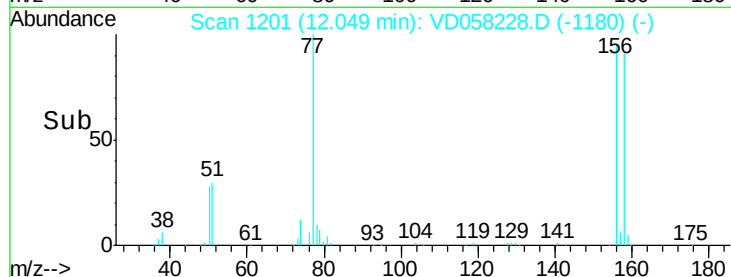
158 95.5 50.8 152.5



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: 22.342 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058228.D

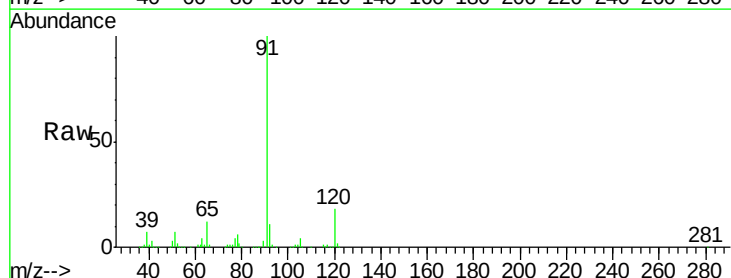
Acq: 21 Jun 2018 1:44

Tgt Ion: 91 Resp: 826894

Ion Ratio Lower Upper

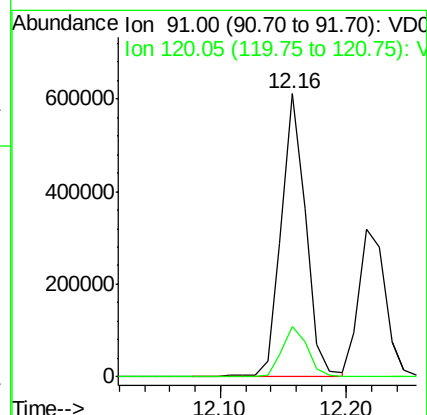
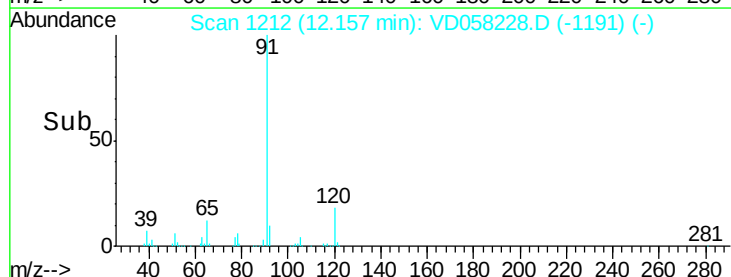
91 100

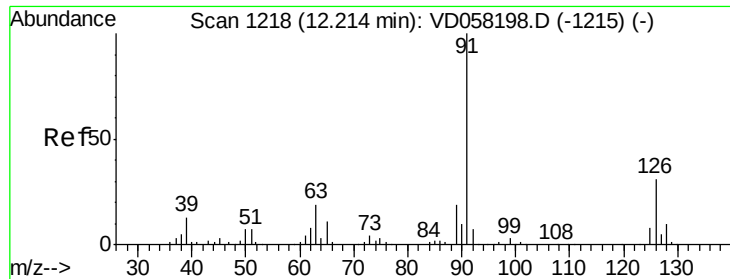
120 17.9 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.662 ug/l

RT: 12.22 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

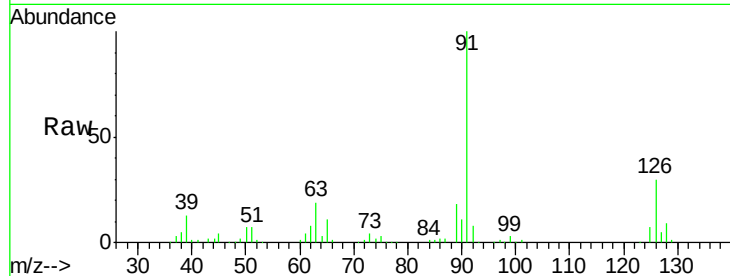
VD0620SBSD03

Tot Ion: 91 Resp: 458773

Ion Ratio Lower Upper

91 100

126 30.2 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): VD058198.D (-1215) (-)

Ion 125.95 (125.65 to 126.65): VD058198.D (-1215) (-)

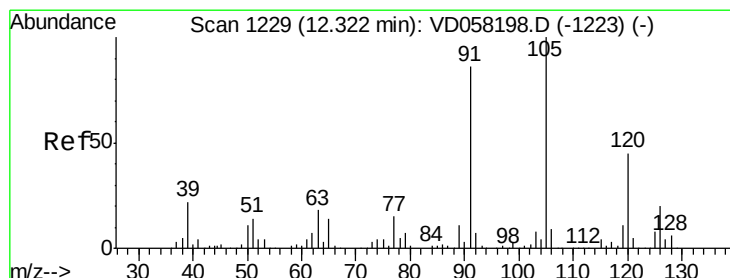
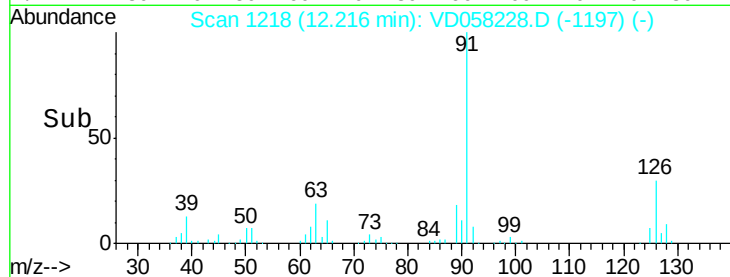
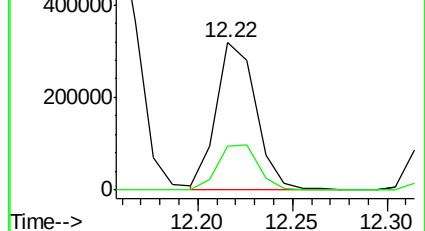
600000

400000

200000

0

12.20 12.22 12.24 12.26 12.28 12.30



#80

1,3,5-Trimethylbenzene

Concen: 22.894 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058228.D

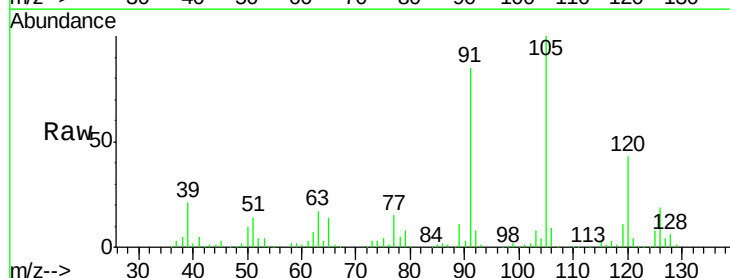
Acq: 21 Jun 2018 1:44

Tgt Ion: 105 Resp: 511776

Ion Ratio Lower Upper

105 100

120 43.1 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): VD058198.D (-1223) (-)

Ion 120.05 (119.75 to 120.75): VD058198.D (-1223) (-)

400000

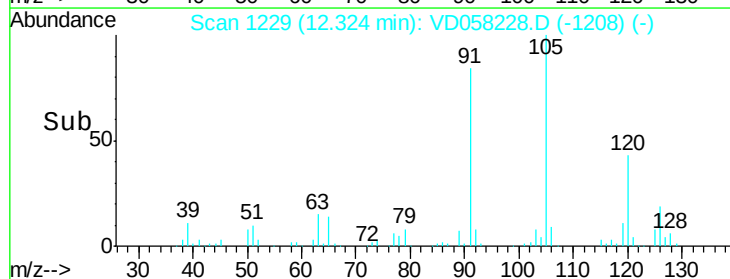
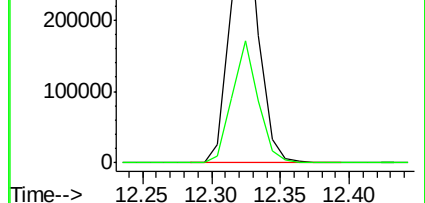
300000

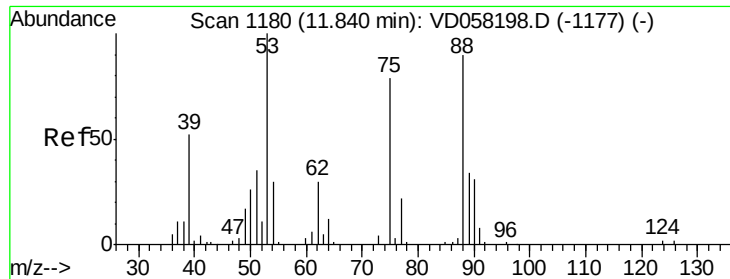
200000

100000

0

12.25 12.30 12.35 12.40





#81

trans-1,4-Dichloro-2-butene

Concen: 19.047 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

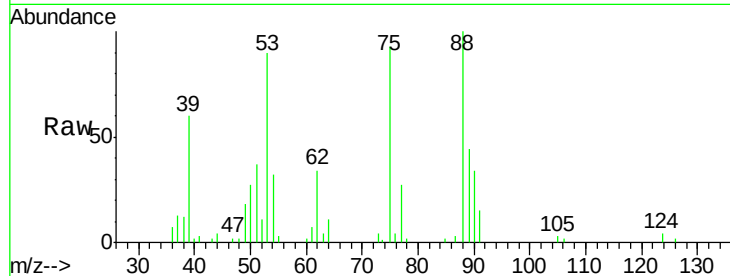
Tot Ion: 75 Resp: 32497

Ion Ratio Lower Upper

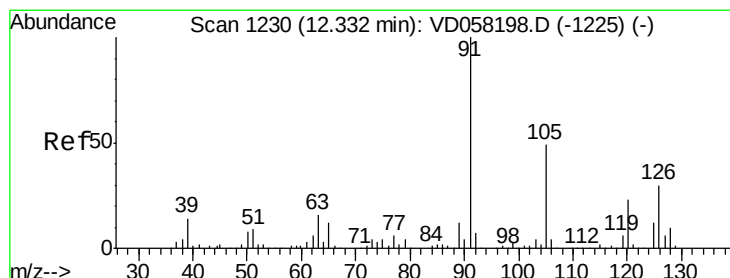
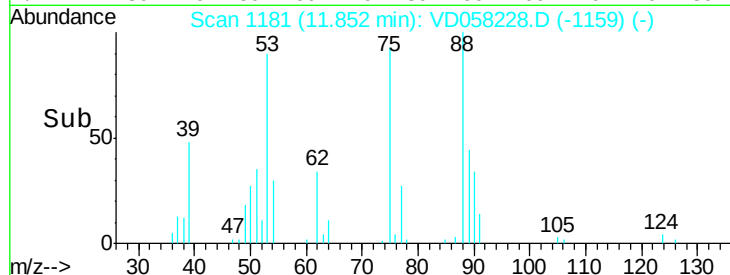
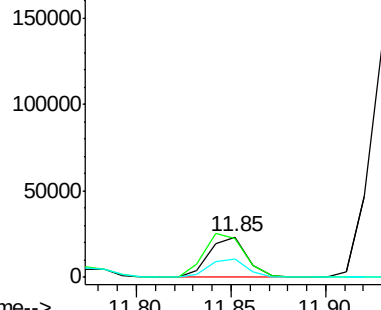
75 100

53 97.6 100.8 151.2#

89 47.3 34.6 52.0



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: 23.454 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058228.D

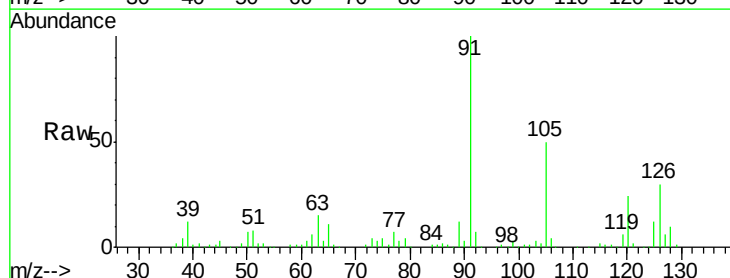
Acq: 21 Jun 2018 1:44

Tgt Ion: 91 Resp: 543689

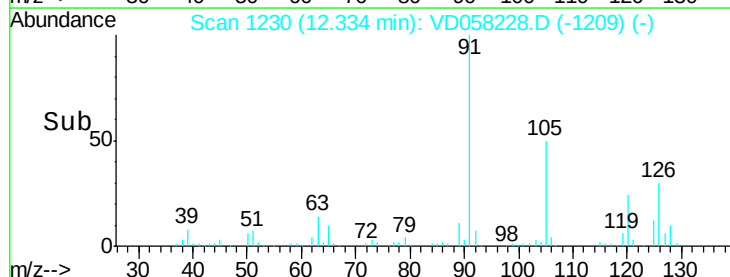
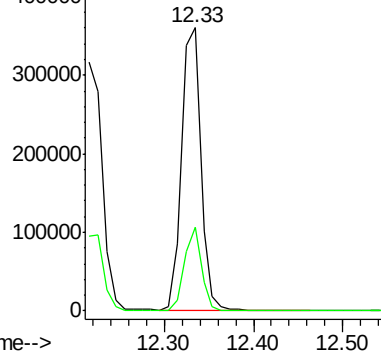
Ion Ratio Lower Upper

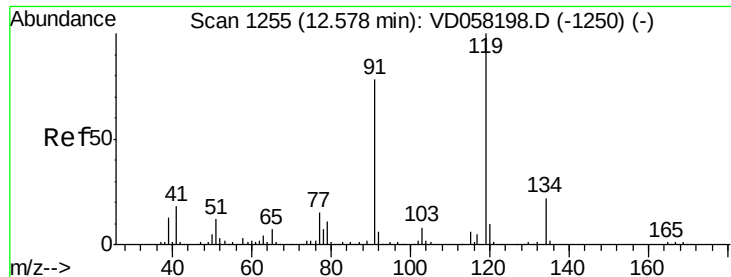
91 100

126 29.7 14.9 44.9



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

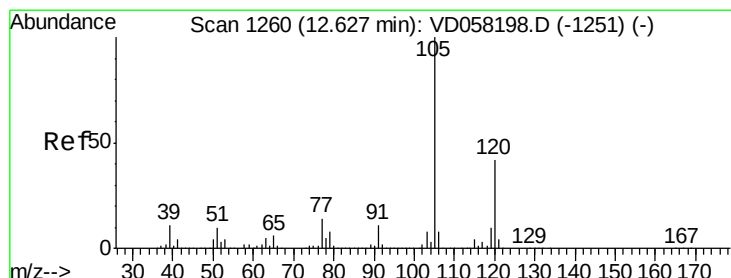
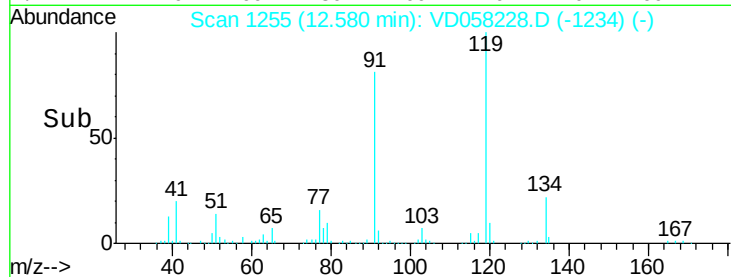
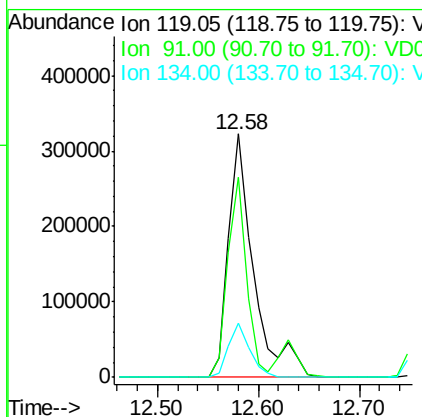
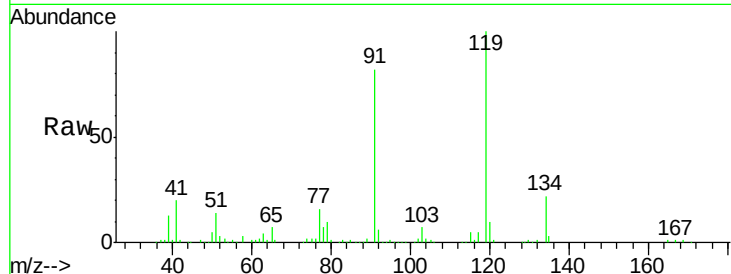




#83
 tert-Butylbenzene
 Concen: 21.863 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

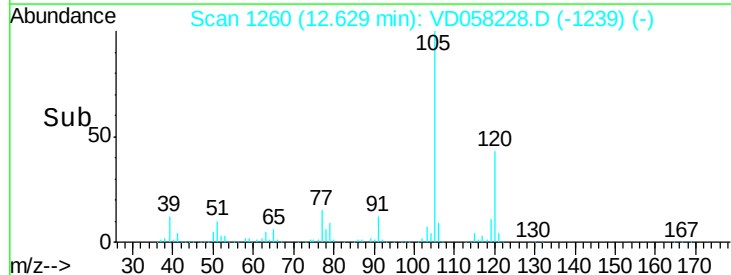
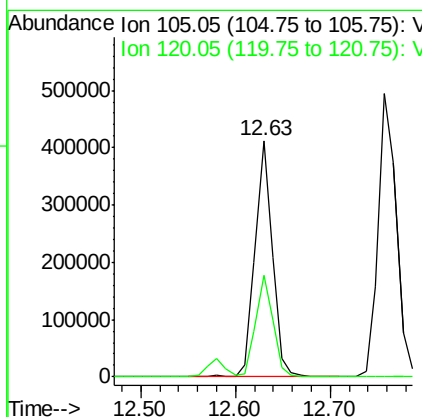
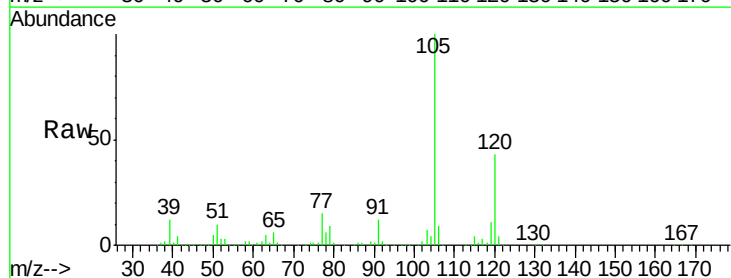
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD03

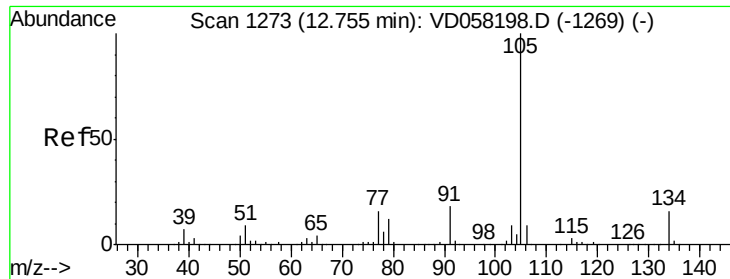
Tot Ion:119 Resp: 561888
 Ion Ratio Lower Upper
 119 100
 91 82.1 38.9 116.6
 134 22.4 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.718 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

Tgt Ion:105 Resp: 527715
 Ion Ratio Lower Upper
 105 100
 120 43.0 20.8 62.4





#85

sec-Butylbenzene

Concen: 22.122 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleID :

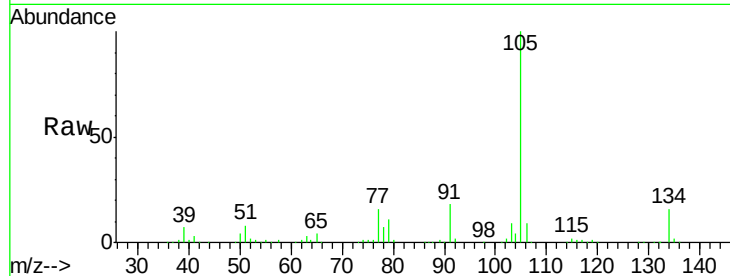
VD0620SBSD03

Tot Ion:105 Resp: 666398

Ion Ratio Lower Upper

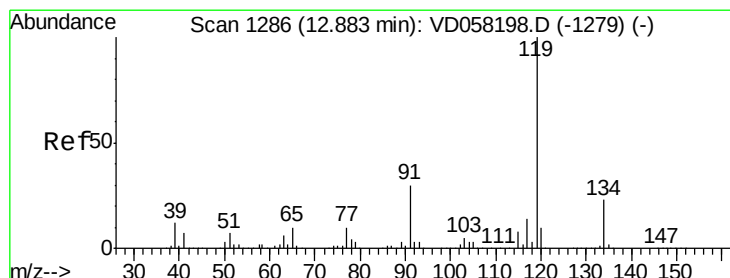
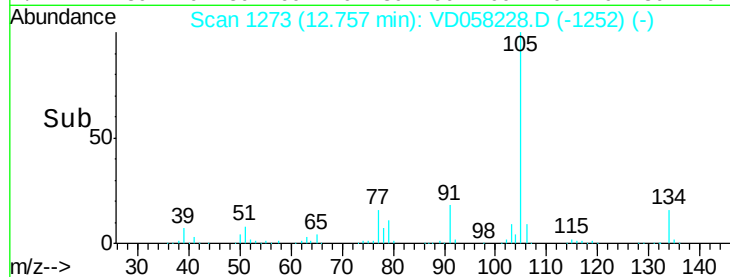
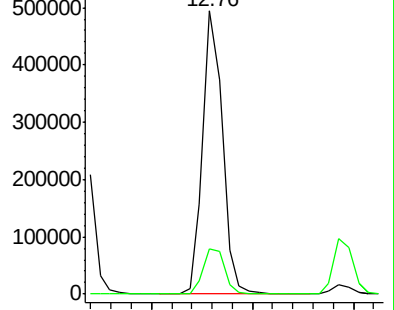
105 100

134 16.2 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.951 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

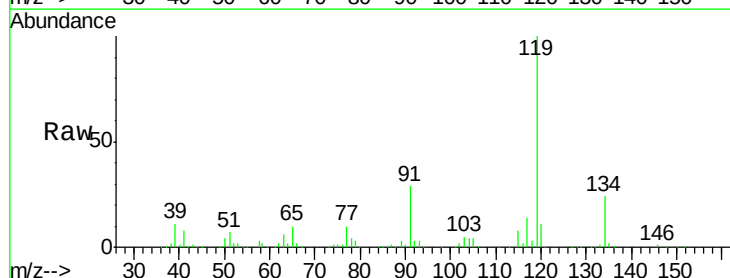
Tgt Ion:119 Resp: 535861

Ion Ratio Lower Upper

119 100

134 24.2 11.6 34.8

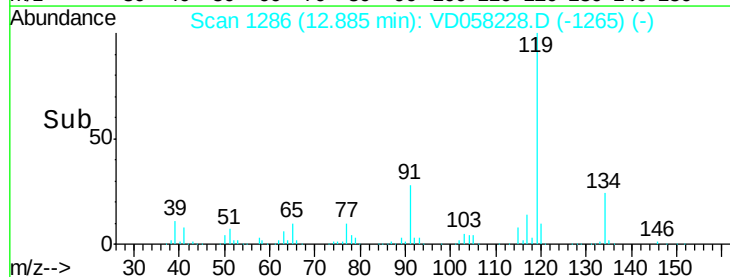
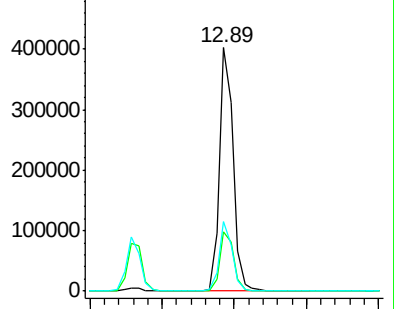
91 28.6 15.0 45.1

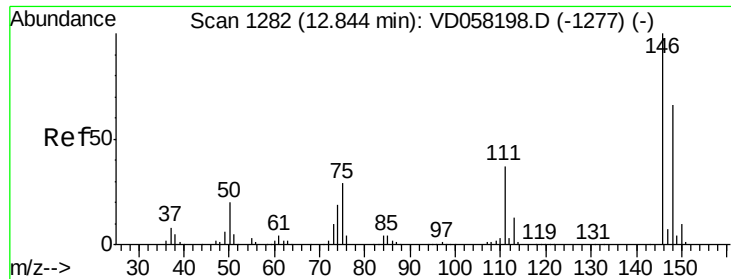


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

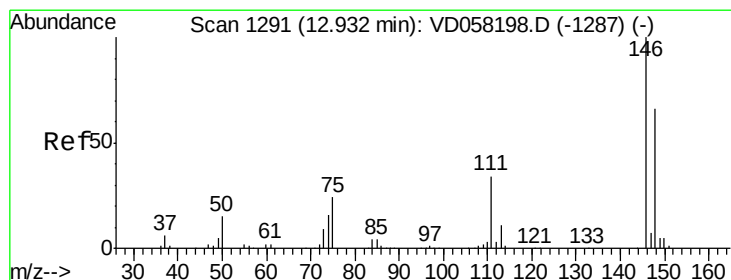
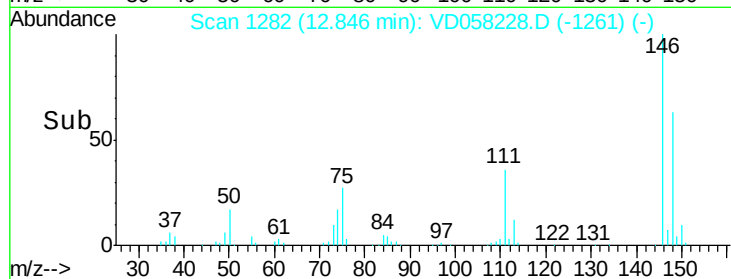
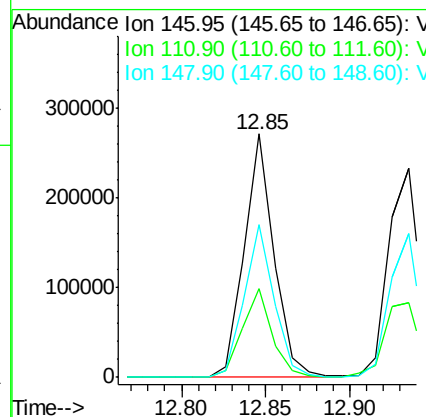
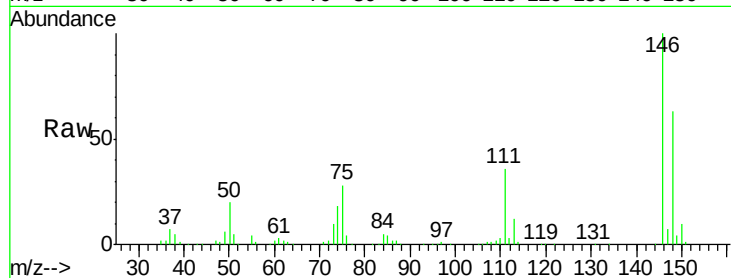




#87
 1,3-Dichlorobenzene
 Concen: 22.428 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

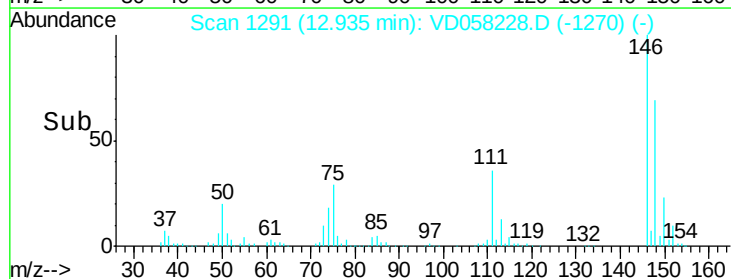
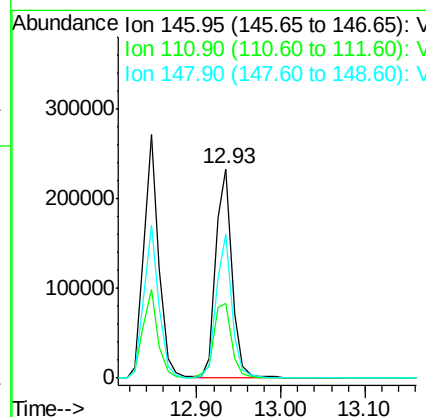
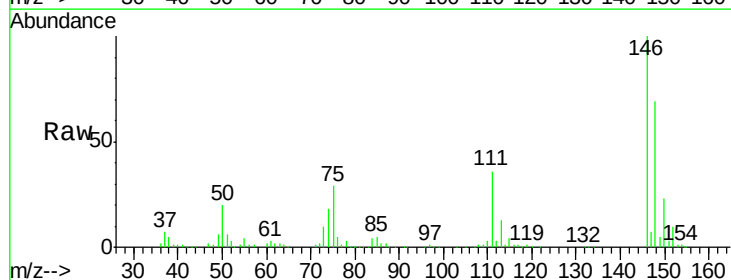
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS03

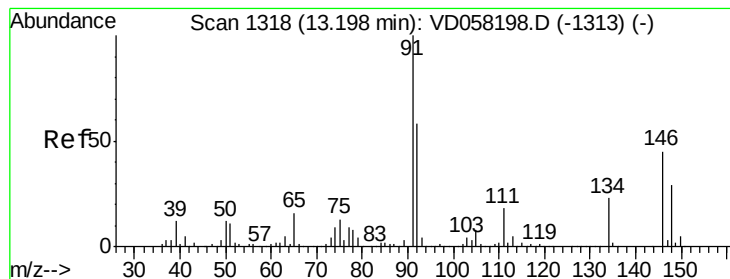
Tot Ion:146 Resp: 334548
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.4 55.0
 148 62.6 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.656 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

Tgt Ion:146 Resp: 315450
 Ion Ratio Lower Upper
 146 100
 111 35.7 17.2 51.5
 148 68.5 33.1 99.3





#89

n-Butylbenzene

Concen: 22.434 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

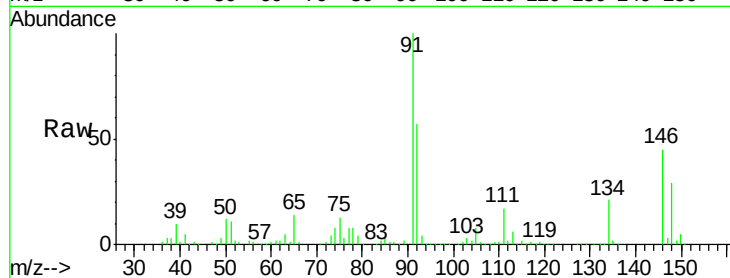
Tot Ion: 91 Resp: 575568

Ion Ratio Lower Upper

91 100

92 56.9 29.2 87.6

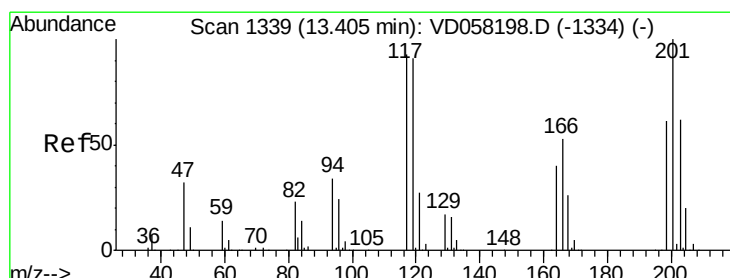
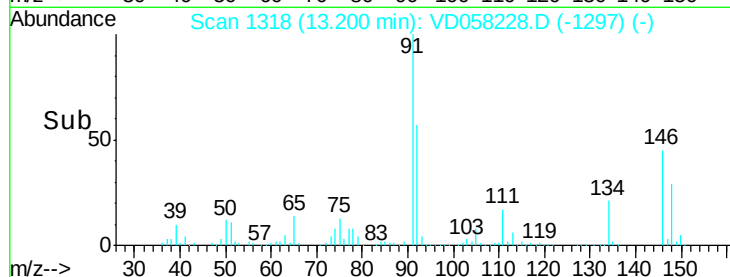
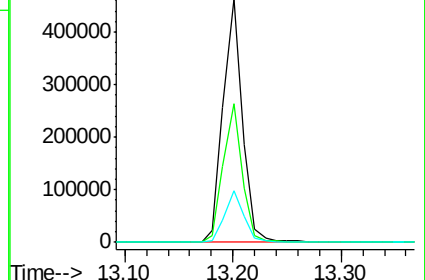
134 21.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.505 ug/l

RT: 13.41 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VD058228.D

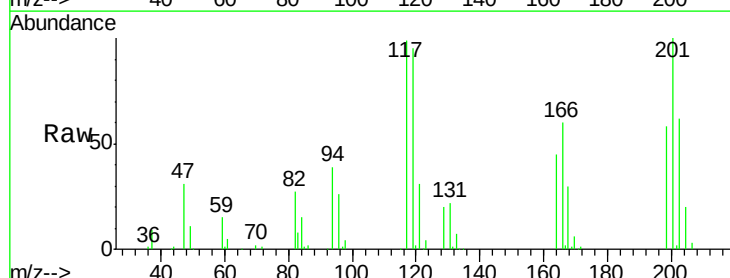
Acq: 21 Jun 2018 1:44

Tgt Ion: 117 Resp: 136257

Ion Ratio Lower Upper

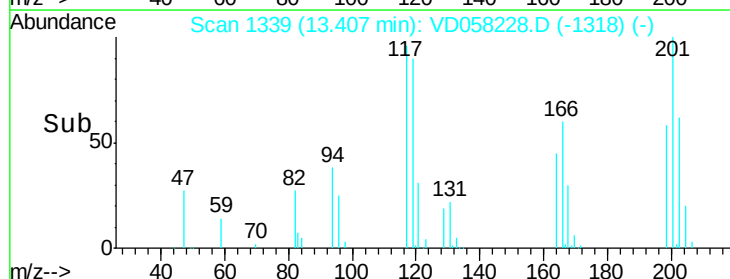
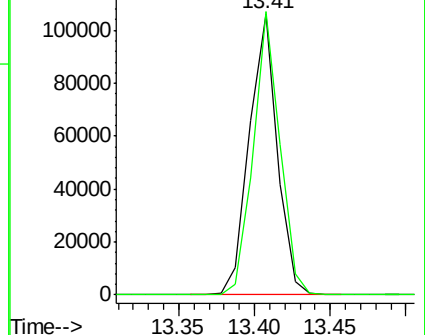
117 100

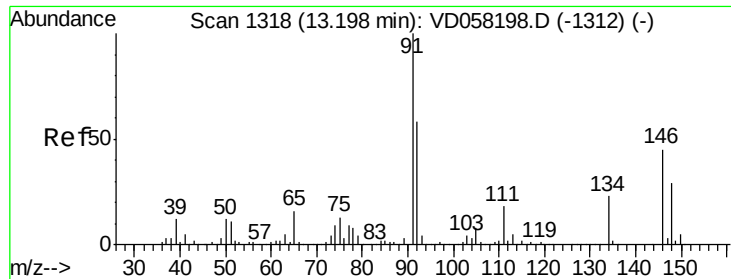
201 100.7 53.8 161.4



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

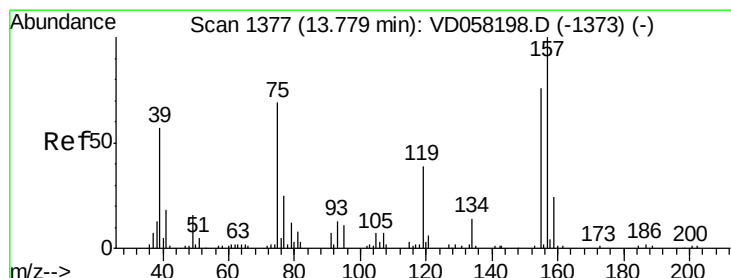
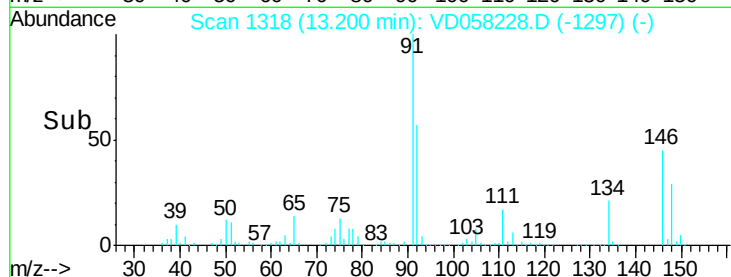
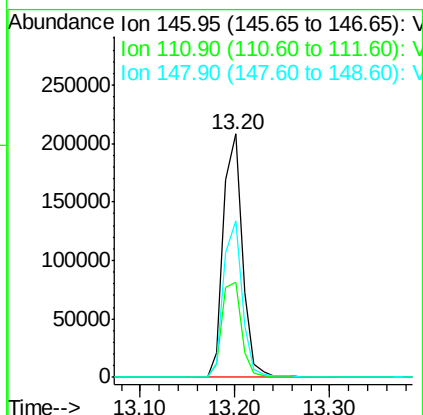
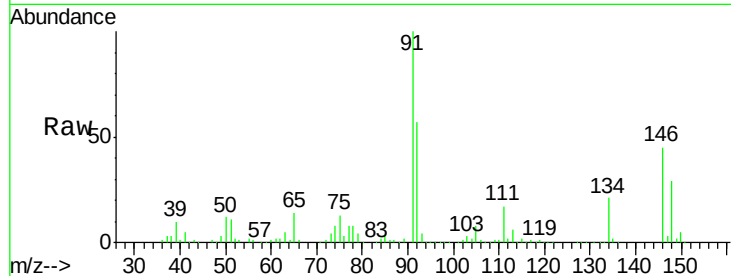




#91
 1,2-Dichlorobenzene
 Concen: 22.949 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

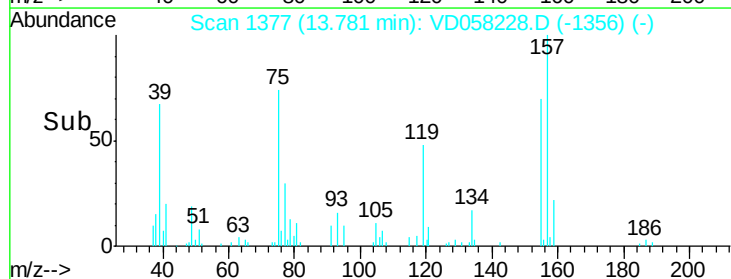
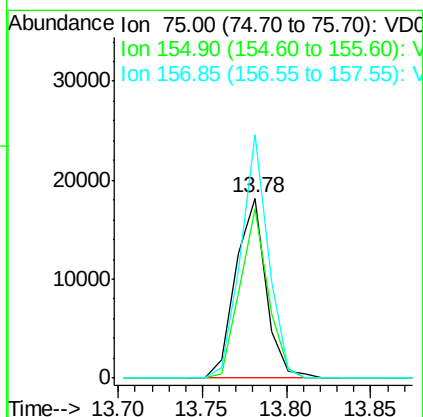
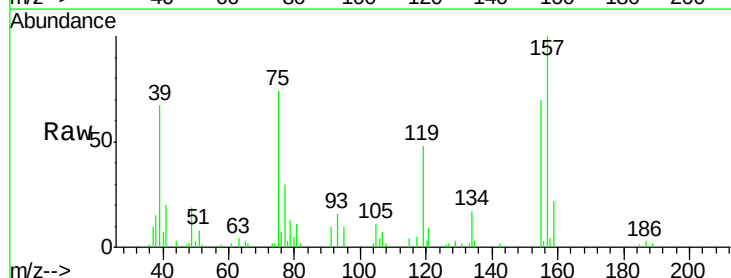
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD03

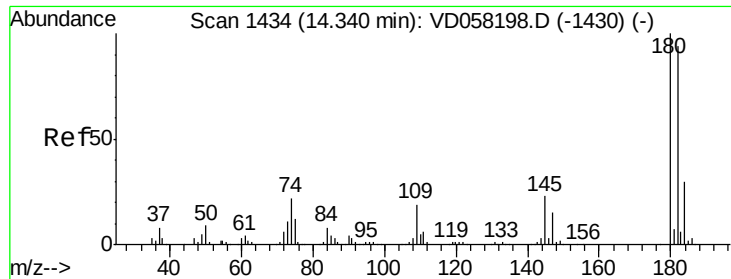
Tot Ion:146 Resp: 291315
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.7
 148 64.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.304 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

Tgt Ion: 75 Resp: 22613
 Ion Ratio Lower Upper
 75 100
 155 94.4 54.5 163.5
 157 135.6 72.0 215.9

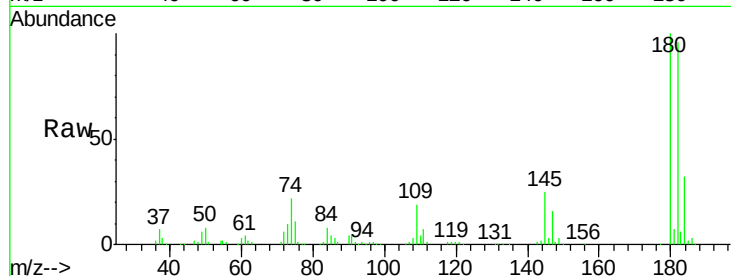




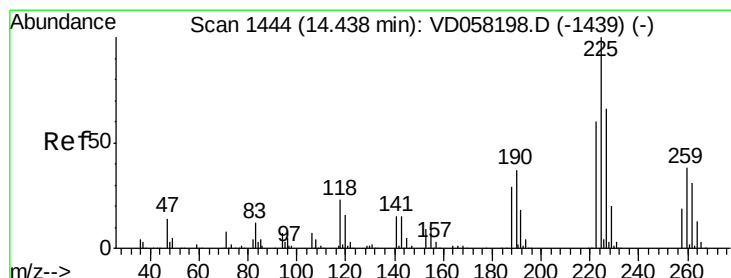
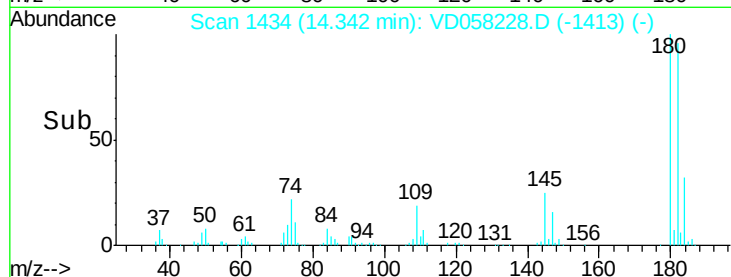
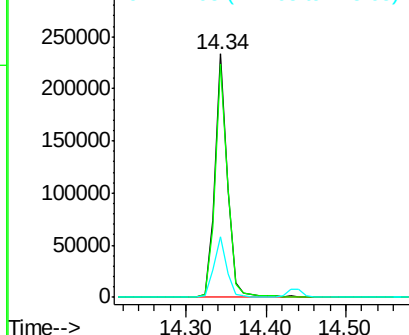
#93
 1,2,4-Trichlorobenzene
 Concen: 21.569 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD03

Tot Ion:180 Resp: 261864
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.1 141.3
 145 24.7 11.7 35.0

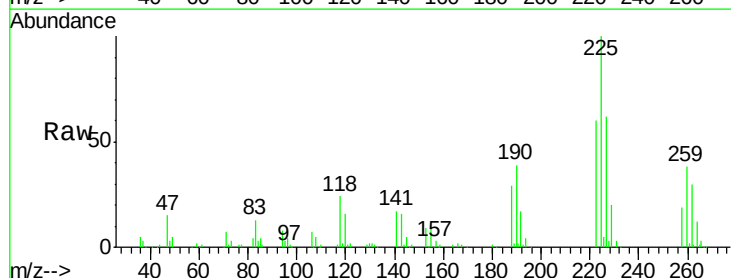


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

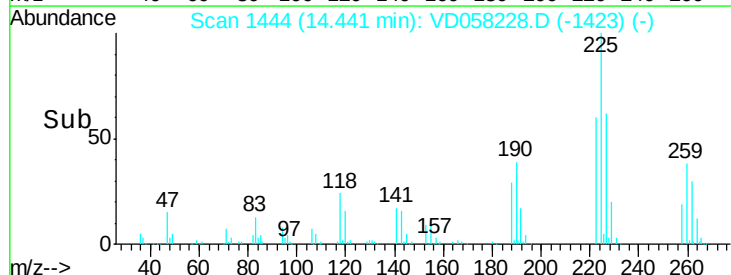
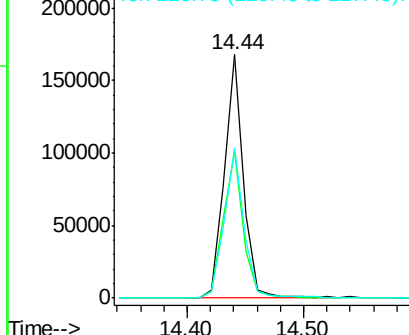


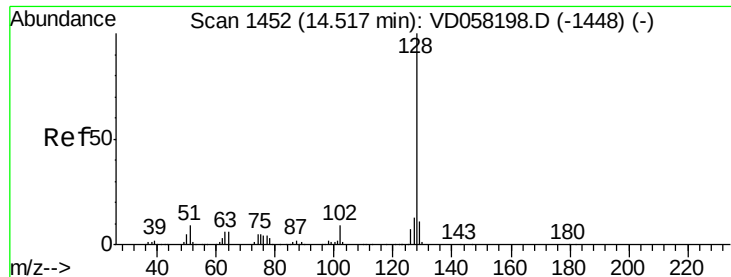
#94
 Hexachlorobutadiene
 Concen: 19.976 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058228.D
 Acq: 21 Jun 2018 1:44

Tgt Ion:225 Resp: 189689
 Ion Ratio Lower Upper
 225 100
 223 60.2 30.1 90.3
 227 61.8 33.0 98.9



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: 21.713 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD03

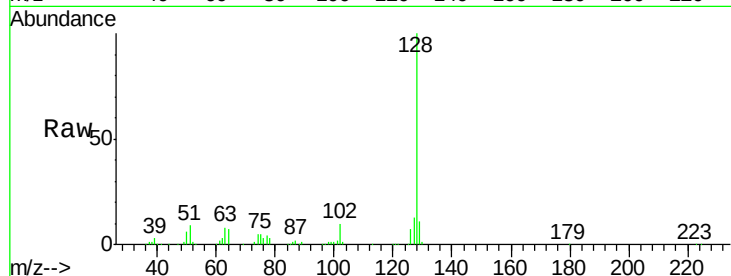
Tot Ion:128 Resp: 347243

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

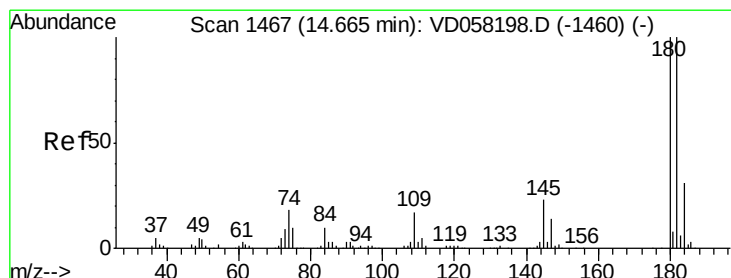
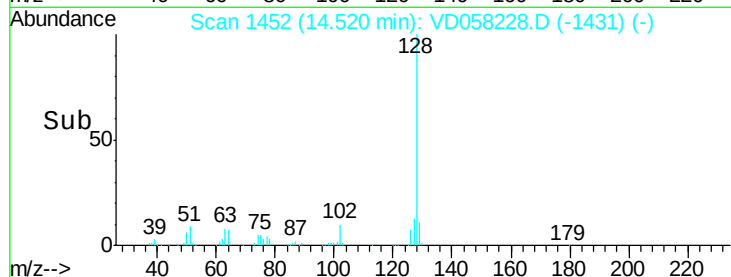
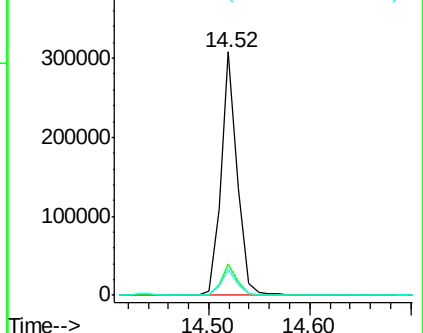
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.523 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058228.D

Acq: 21 Jun 2018 1:44

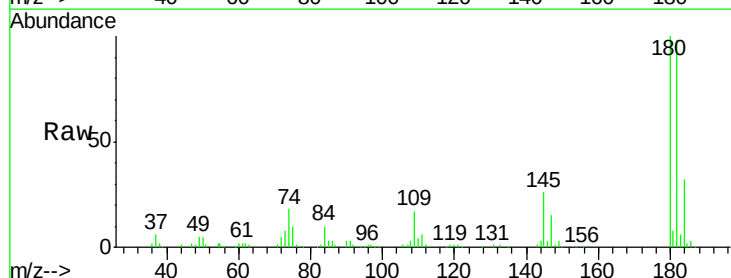
Tgt Ion:180 Resp: 218123

Ion Ratio Lower Upper

180 100

182 98.3 49.9 149.6

145 25.7 11.7 35.1



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

