

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058272.D
 Acq On : 22 Jun 2018 2:27
 Operator : VA/AP
 Sample : VD0621SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

Quant Time: Jun 22 06:19:14 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	897489	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	1195413	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	966372	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	490327	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	480191	52.97	ug/l	0.01
Spiked Amount 50.000			Recovery =	105.94%		
35) Dibromofluoromethane	5.56	113	496761	51.06	ug/l	0.01
Spiked Amount 50.000			Recovery =	102.12%		
50) Toluene-d8	8.71	98	1173192	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.68%		
62) 4-Bromofluorobenzene	11.93	95	470182	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.80%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	216319	23.576	ug/l	98
3) Chloromethane	1.49	50	96009	22.080	ug/l	89
4) Vinyl Chloride	1.56	62	95736	20.363	ug/l	98
5) Bromomethane	1.80	94	34030	19.132	ug/l	94
6) Chloroethane	1.89	64	35552	19.388	ug/l	98
7) Trichlorofluoromethane	2.08	101	138728	21.520	ug/l	99
8) Diethyl Ether	2.35	74	28497	20.900	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.56	101	89991	21.959	ug/l	97
10) Methyl Iodide	2.69	142	98267	21.080	ug/l	95
11) Tert butyl alcohol	3.29	59	25716	86.010	ug/l	98
12) 1,1-Dichloroethene	2.55	96	68441	22.197	ug/l	92
13) Acrolein	2.48	56	17402	101.956	ug/l	93
14) Allyl chloride	2.92	41	145365	20.256	ug/l	98
15) Acrylonitrile	3.36	53	92861	117.133	ug/l	99
16) Acetone	2.63	43	114275	92.176	ug/l	94
17) Carbon Disulfide	2.76	76	206014	19.638	ug/l	98
18) Methyl Acetate	2.94	43	50299	19.024	ug/l	95
19) Methyl tert-butyl Ether	3.41	73	292988	35.826	ug/l	97
20) Methylene Chloride	3.08	84	75301	20.450	ug/l #	84
21) trans-1,2-Dichloroethene	3.41	96	95652	28.385	ug/l	86
22) Diisopropyl ether	4.08	45	592968	20.804	ug/l	96
23) Vinyl Acetate	4.02	43	1561856	102.222	ug/l	99
24) 1,1-Dichloroethane	3.97	63	360327	23.466	ug/l	98
25) 2-Butanone	4.85	43	266635	98.678	ug/l	93
26) 2,2-Dichloropropane	4.80	77	256147	19.922	ug/l	96
27) cis-1,2-Dichloroethene	4.81	96	199513	23.692	ug/l	91
28) Bromochloromethane	5.16	49	156812	22.781	ug/l #	98
29) Tetrahydrofuran	5.20	42	140118	97.422	ug/l	94
30) Chloroform	5.33	83	376821	23.245	ug/l	98
31) Cyclohexane	5.60	56	270739	21.282	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	294181	21.964	ug/l	95
36) 1,1-Dichloropropene	5.75	75	263438	22.277	ug/l	99
37) Ethyl Acetate	4.94	43	138488	20.554	ug/l	95
38) Carbon Tetrachloride	5.73	117	241369	20.542	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.29	83	239977	20.834	ug/l	95
40) Benzene	6.02	78	612439	21.741	ug/l	98
41) Methacrylonitrile	5.14	41	62330	19.157	ug/l #	92
42) 1,2-Dichloroethane	6.14	62	242516	21.351	ug/l	97
43) Isopropyl Acetate	7.63	43	174408	19.415	ug/l #	99
44) Trichloroethene	6.99	130	182032	21.520	ug/l	95
45) 1,2-Dichloropropane	7.35	63	166244	21.913	ug/l	99
46) Dibromomethane	7.47	93	108642	20.977	ug/l	95
47) Bromodichloromethane	7.75	83	256366	21.707	ug/l	92
48) Methyl methacrylate	7.51	41	101819	18.650	ug/l	96
49) 1,4-Dioxane	7.50	88	21426	434.759	ug/l #	72
51) 4-Methyl-2-Pentanone	8.60	43	579922	98.974	ug/l	98
52) Toluene	8.81	92	352147	21.954	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	210007	20.453	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	248156	20.615	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	118996	20.968	ug/l	93
56) Ethyl methacrylate	9.32	69	142359	20.975	ug/l	92
57) 1,3-Dichloropropane	9.66	76	206159	21.566	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.20	63	376086	111.931	ug/l	95
59) 2-Hexanone	9.79	43	414520	97.906	ug/l	97
60) Dibromochloromethane	9.96	129	155037	20.130	ug/l	98
61) 1,2-Dibromoethane	10.10	107	133442	21.483	ug/l	99
64) Tetrachloroethene	9.52	164	190824	23.468	ug/l	94
65) Chlorobenzene	10.73	112	408613	22.605	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	151093	21.659	ug/l	96
67) Ethyl Benzene	10.87	91	704878	22.088	ug/l	97
68) m/p-Xylenes	11.01	106	444750	41.791	ug/l	98
69) o-Xylene	11.41	106	217612	21.409	ug/l	93
70) Styrene	11.44	104	378480	21.821	ug/l	97
71) Bromoform	11.60	173	108476	19.493	ug/l	99
73) Isopropylbenzene	11.77	105	663330	22.617	ug/l	95
74) N-amyl acetate	11.64	43	233218	20.566	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	156047	22.863	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	142001	19.836	ug/l	99
77) Bromobenzene	12.05	156	198673	22.622	ug/l	97
78) n-propylbenzene	12.16	91	851813	22.490	ug/l	100
79) 2-Chlorotoluene	12.21	91	491738	22.688	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	525734	22.982	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	30990	17.749	ug/l	88
82) 4-Chlorotoluene	12.32	91	545061	22.852	ug/l	89
83) tert-Butylbenzene	12.58	119	557179	21.186	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	539098	21.680	ug/l	99
85) sec-Butylbenzene	12.76	105	691031	22.416	ug/l	99
86) p-Isopropyltoluene	12.88	119	523760	20.966	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	328038	21.490	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	326954	21.934	ug/l	100
89) n-Butylbenzene	13.20	91	549847	20.942	ug/l	99
90) Hexachloroethane	13.41	117	140187	21.620	ug/l	95
91) 1,2-Dichlorobenzene	13.20	146	271306	20.885	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	22953	21.131	ug/l	90

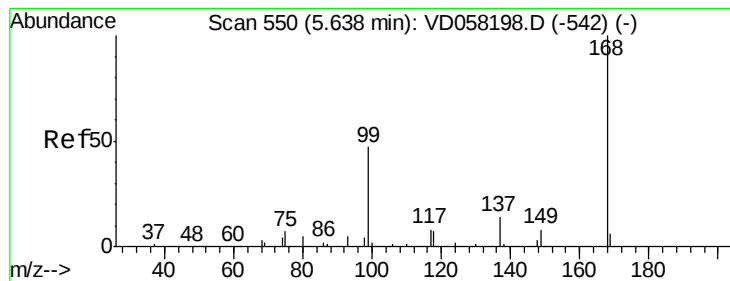
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	266885	21.481	ug/l	99
94) Hexachlorobutadiene	14.44	225	198418	20.418	ug/l	97
95) Naphthalene	14.52	128	363031	22.183	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	224341	20.626	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: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

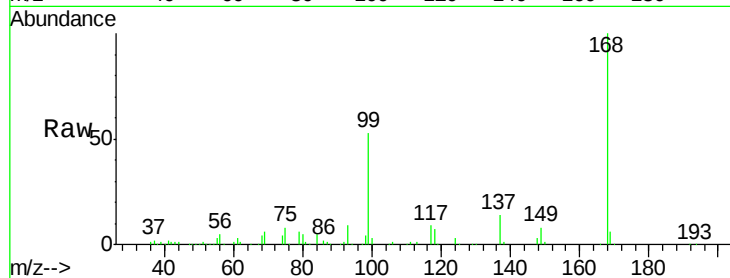
VD0621SBSD02

Tot Ion:168 Resp: 897489

Ion Ratio Lower Upper

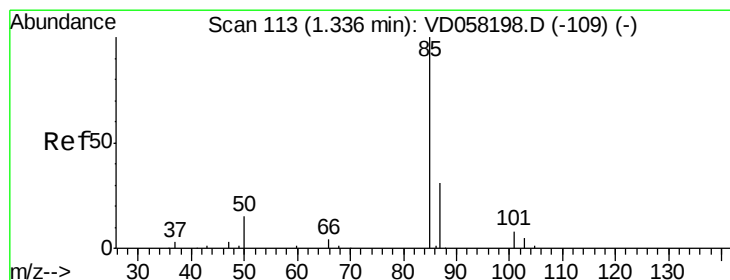
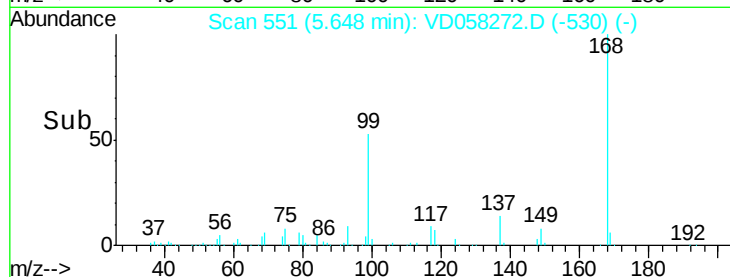
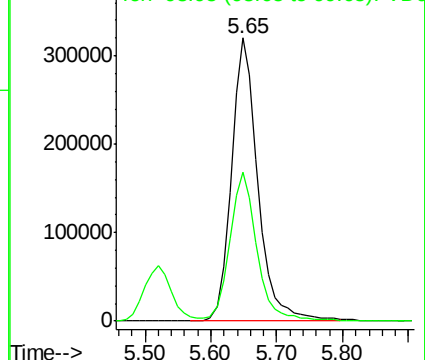
168 100

99 52.7 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: 23.576 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058272.D

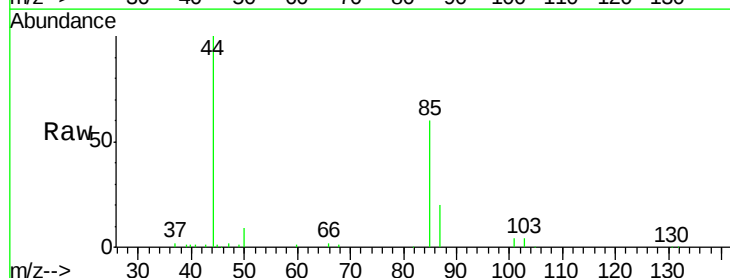
Acq: 22 Jun 2018 2:27

Tgt Ion: 85 Resp: 216319

Ion Ratio Lower Upper

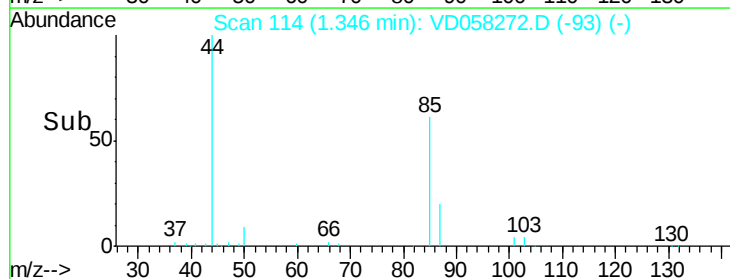
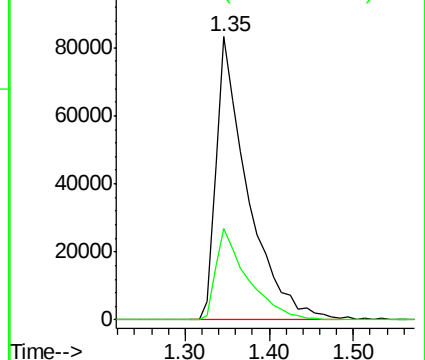
85 100

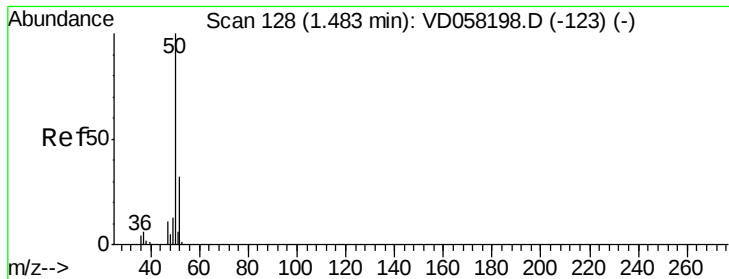
87 32.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.080 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

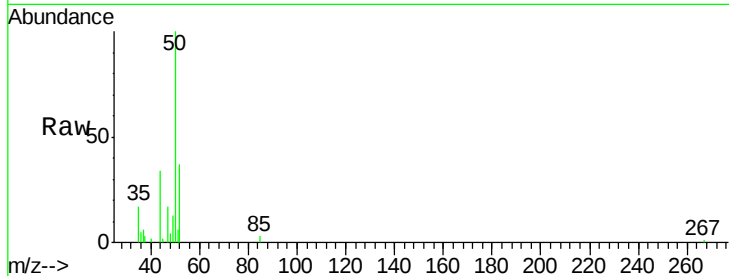
VD0621SBSD02

Tot Ion: 50 Resp: 96009

Ion Ratio Lower Upper

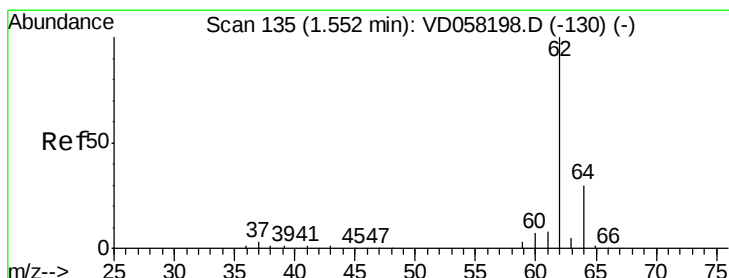
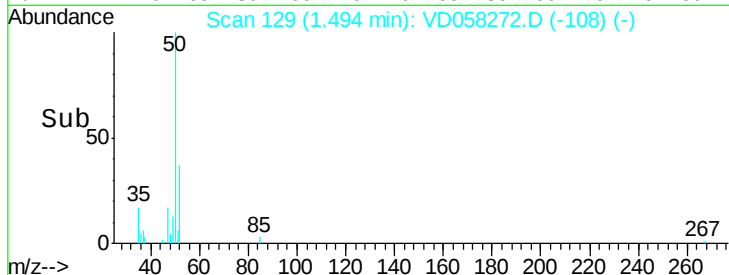
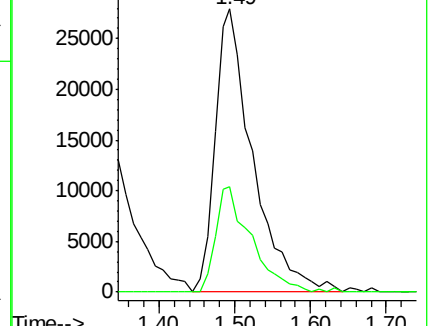
50 100

52 37.4 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.363 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD058272.D

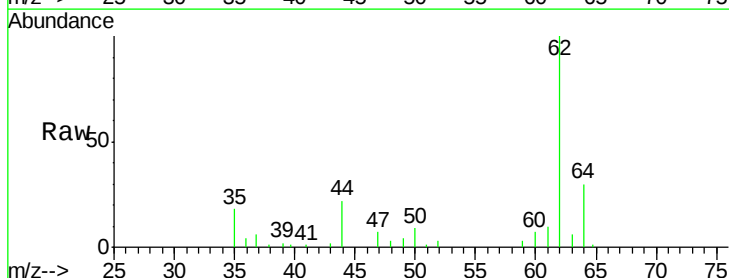
Acq: 22 Jun 2018 2:27

Tgt Ion: 62 Resp: 95736

Ion Ratio Lower Upper

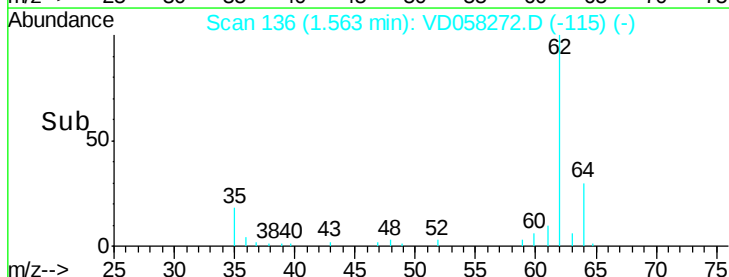
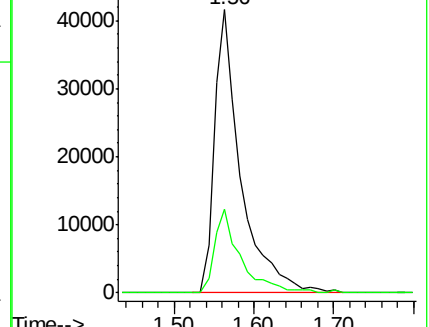
62 100

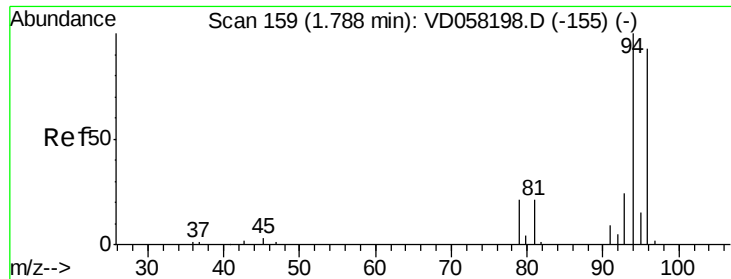
64 29.5 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.132 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

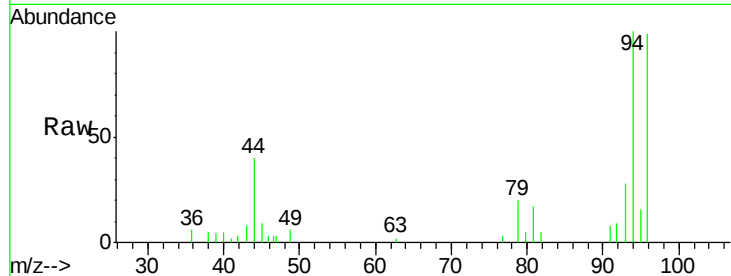
VD0621SBS02

Tot Ion: 94 Resp: 34030

Ion Ratio Lower Upper

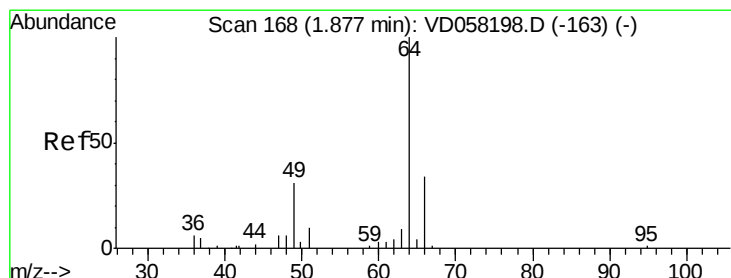
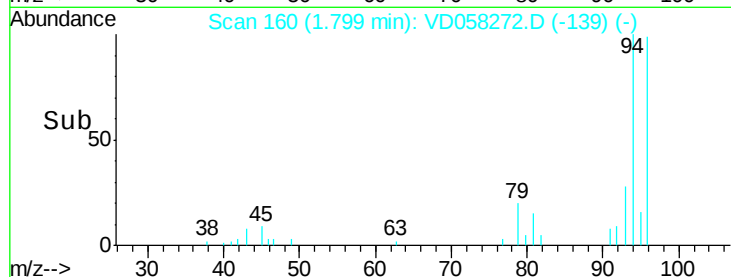
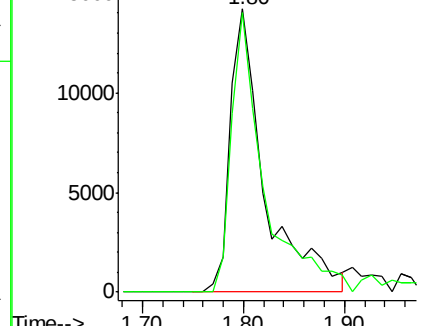
94 100

96 98.7 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: 19.388 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058272.D

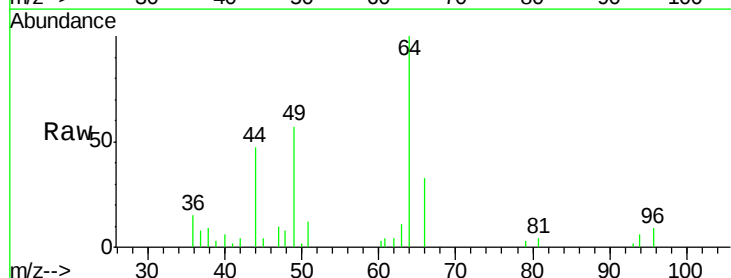
Acq: 22 Jun 2018 2:27

Tgt Ion: 64 Resp: 35552

Ion Ratio Lower Upper

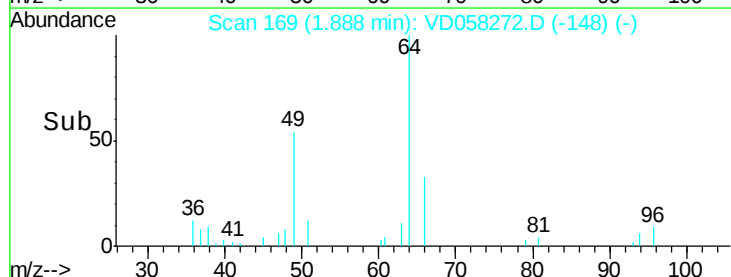
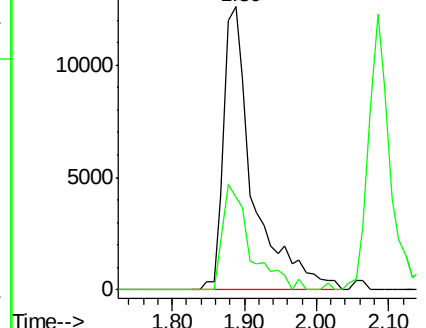
64 100

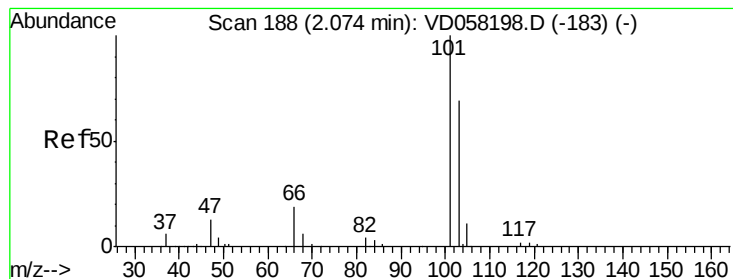
66 32.9 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



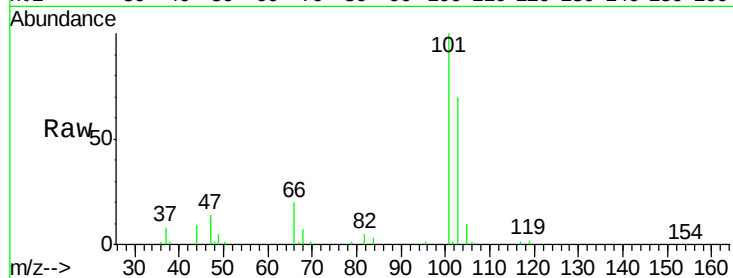


#7

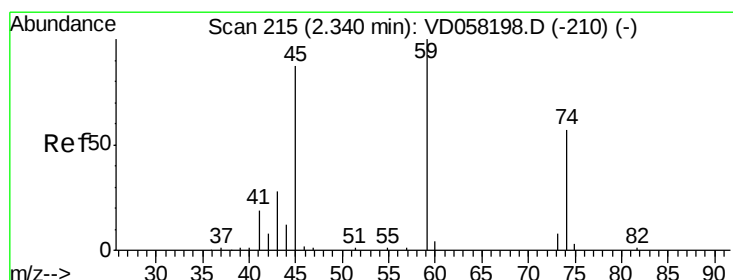
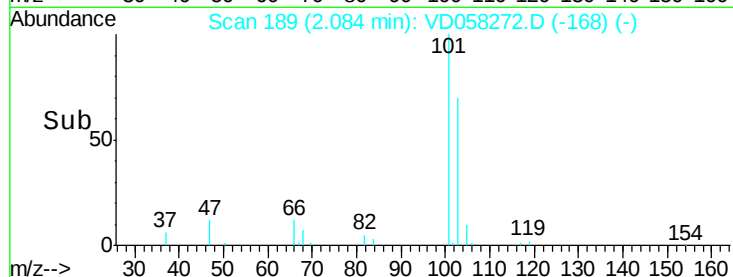
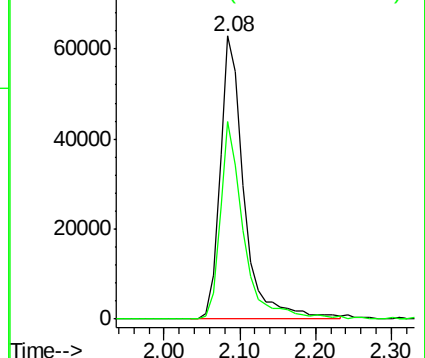
Trichlorofluoromethane
 Concen: 21.520 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Instrument :
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 VD0621SBSD02

Tot Ion:101 Resp: 138728
 Ion Ratio Lower Upper
 101 100
 103 69.6 55.1 82.7



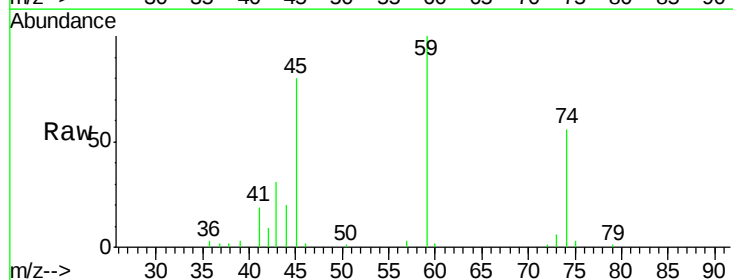
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



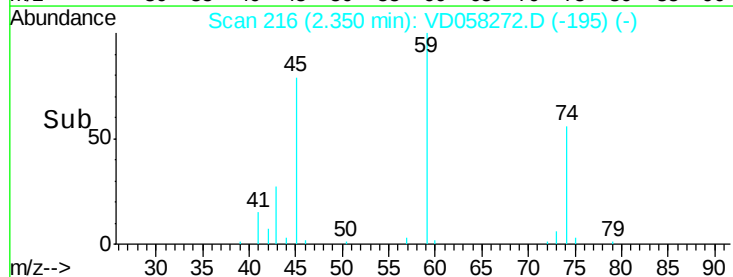
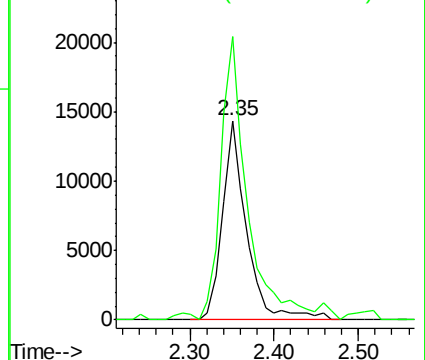
#8

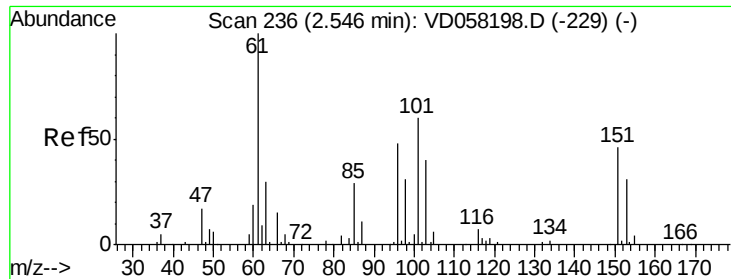
Diethyl Ether
 Concen: 20.900 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Tgt Ion: 74 Resp: 28497
 Ion Ratio Lower Upper
 74 100
 45 141.9 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: 21.959 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

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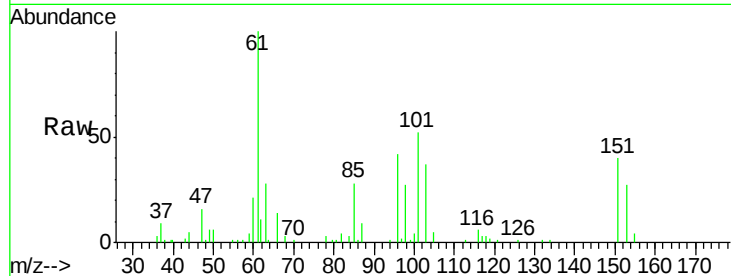
Tot Ion:101 Resp: 89991

Ion Ratio Lower Upper

101 100

85 53.6 39.0 58.4

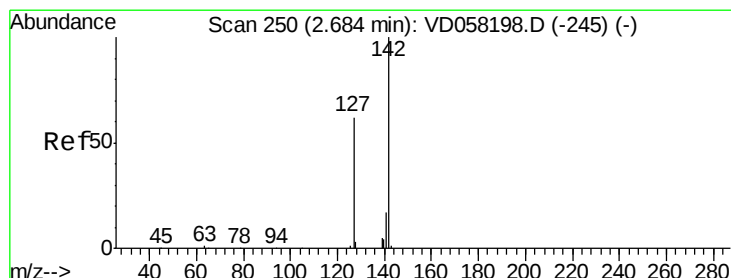
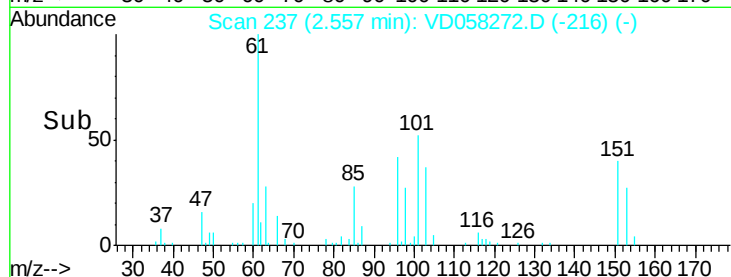
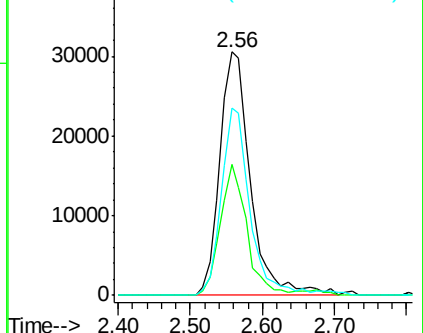
151 76.8 61.8 92.8



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: 21.080 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

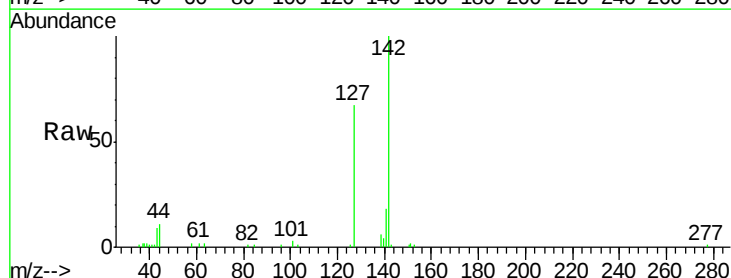
Tgt Ion:142 Resp: 98267

Ion Ratio Lower Upper

142 100

127 66.6 49.4 74.0

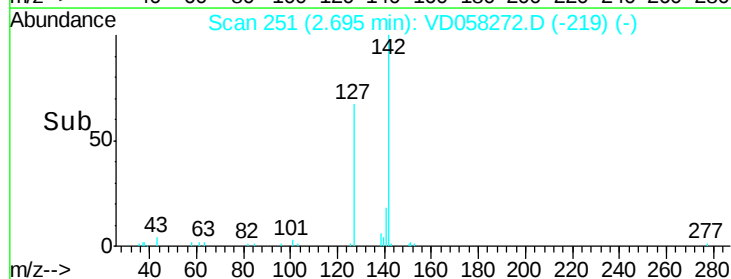
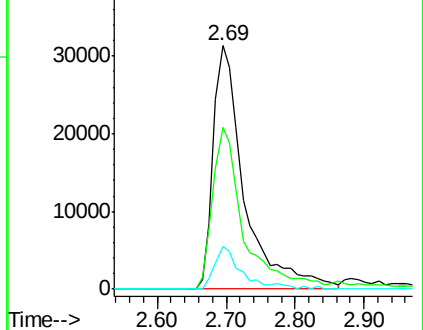
141 17.5 13.5 20.3



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



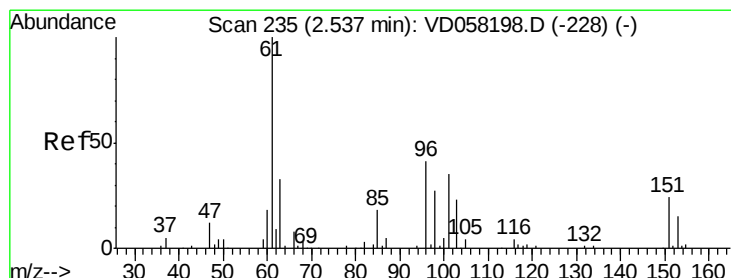
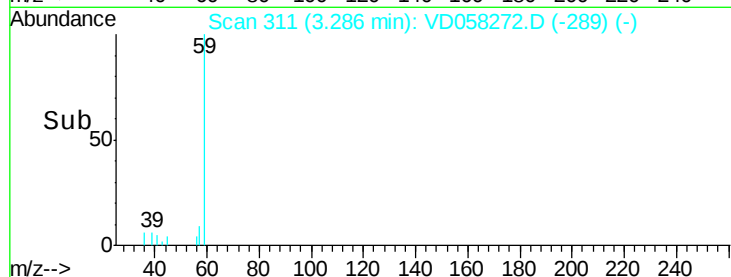
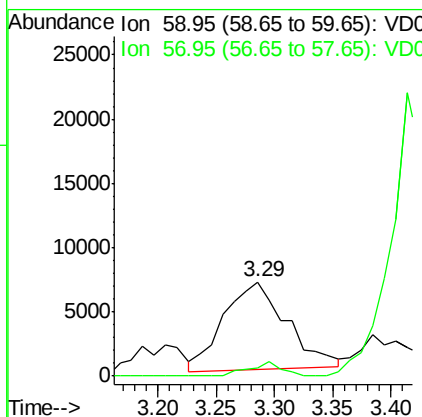
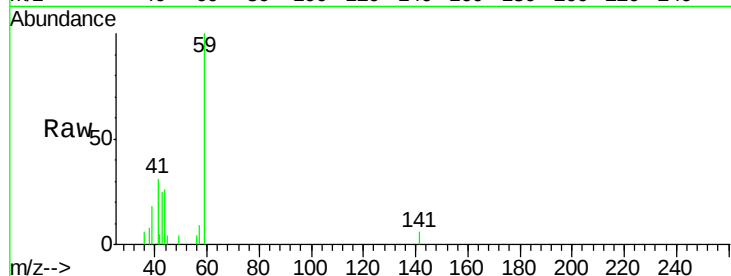


#11

Tert butyl alcohol
 Concen: 86.010 ug/l
 RT: 3.29 min Scan# 311
 Delta R.T. 0.02 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD02

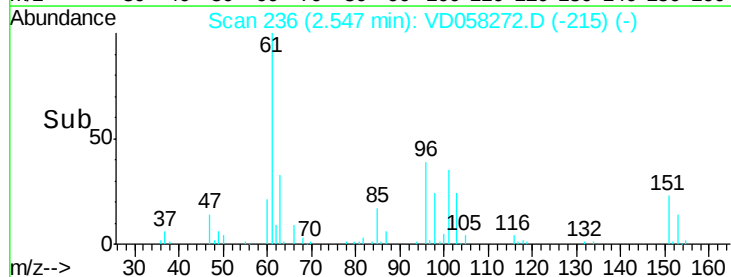
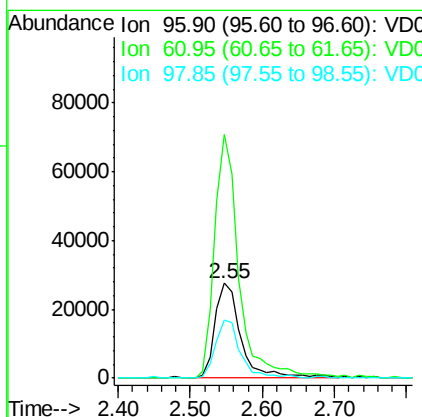
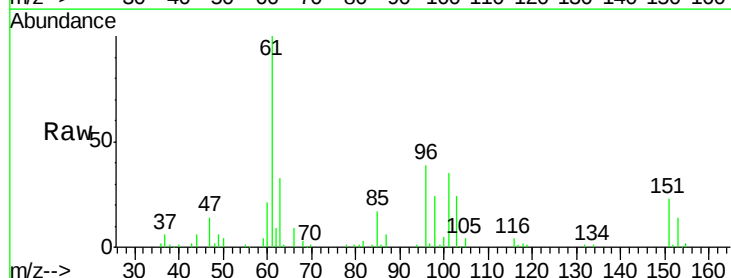
Tot Ion: 59 Resp: 25716
 Ion Ratio Lower Upper
 59 100
 57 8.7 6.2 9.4

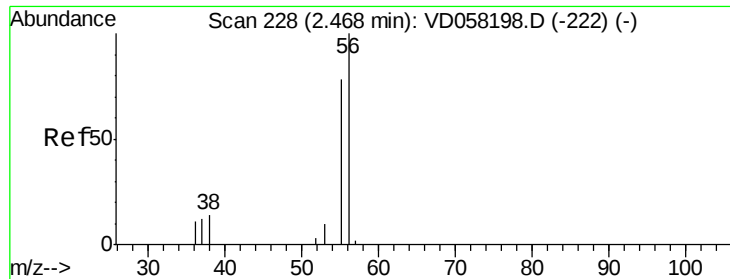


#12

1,1-Dichloroethene
 Concen: 22.197 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Tgt Ion: 96 Resp: 68441
 Ion Ratio Lower Upper
 96 100
 61 257.3 193.9 290.9
 98 61.4 51.7 77.5





#13

Acrolein

Concen: 101.956 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

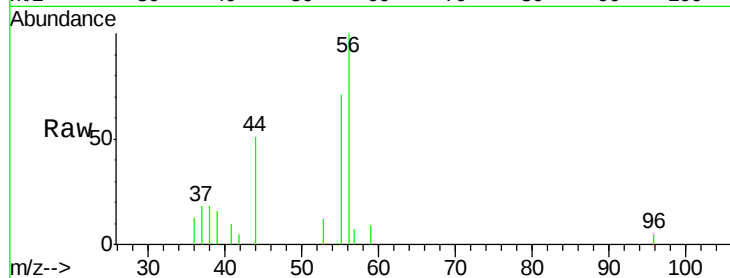
VD0621SBS02

Tot Ion: 56 Resp: 17402

Ion Ratio Lower Upper

56 100

55 71.4 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.48

8000

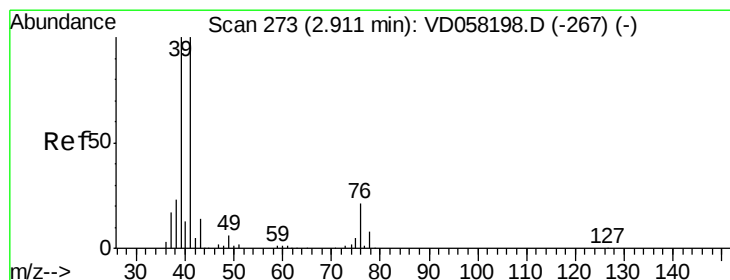
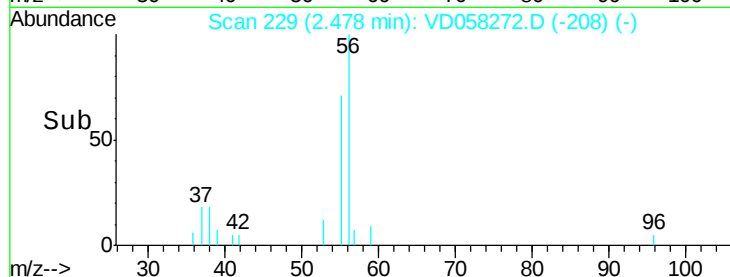
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.256 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

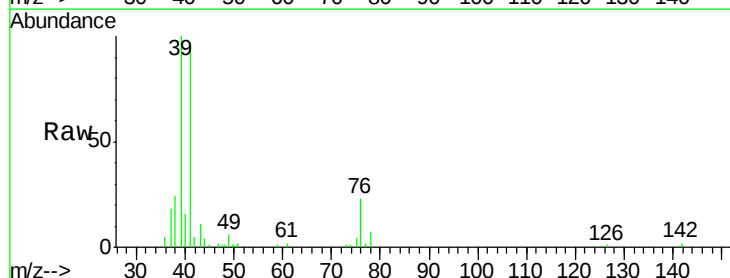
Tgt Ion: 41 Resp: 145365

Ion Ratio Lower Upper

41 100

39 102.6 80.1 120.1

76 23.9 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

120000

100000

80000

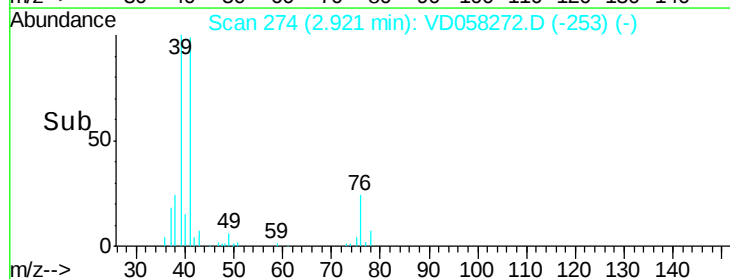
60000

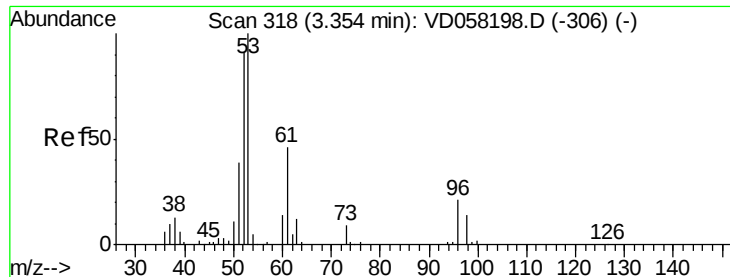
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 117.133 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

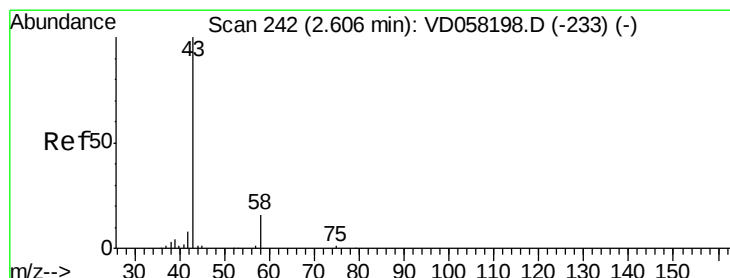
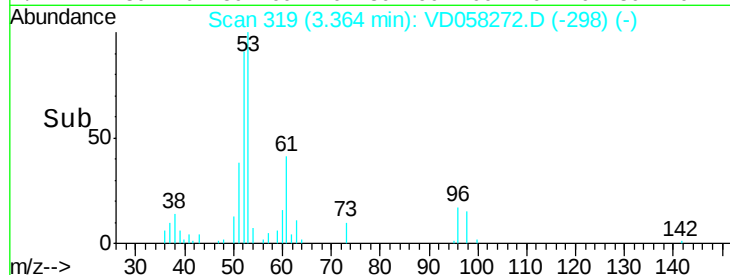
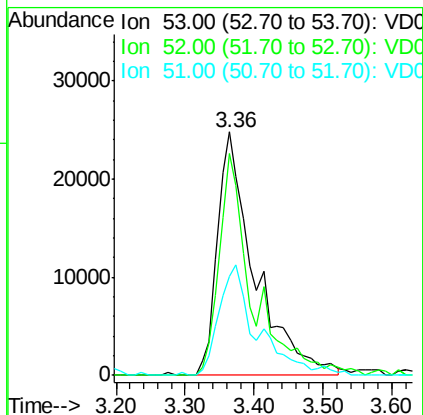
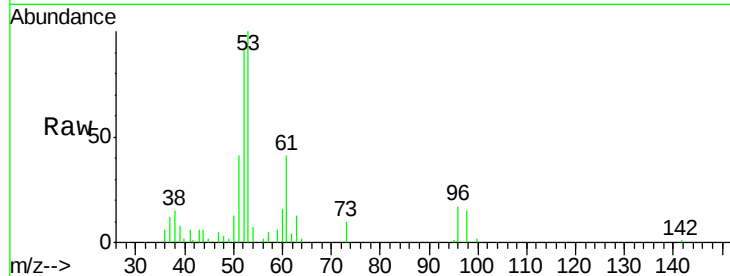
Tot Ion: 53 Resp: 92861

Ion Ratio Lower Upper

53 100

52 91.2 72.6 108.8

51 40.7 32.2 48.4



#16

Acetone

Concen: 92.176 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058272.D

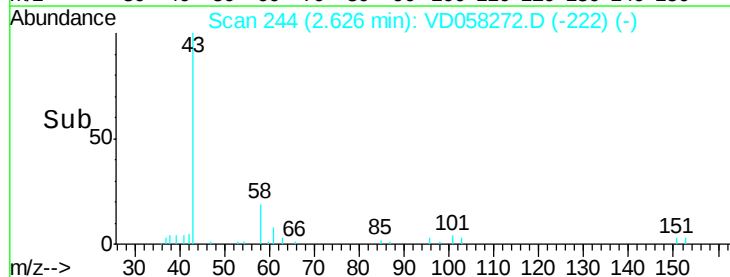
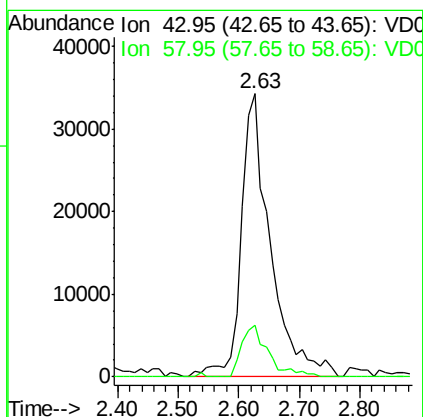
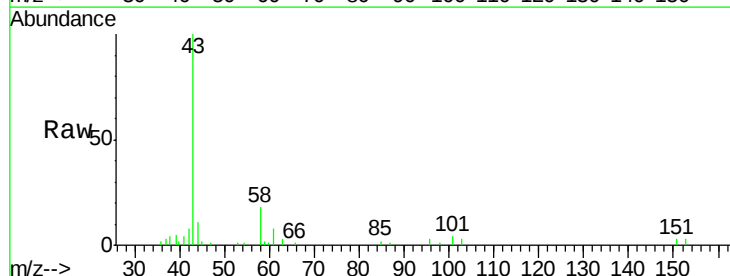
Acq: 22 Jun 2018 2:27

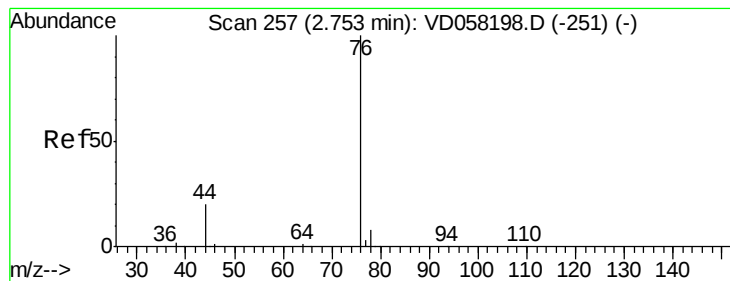
Tgt Ion: 43 Resp: 114275

Ion Ratio Lower Upper

43 100

58 18.5 12.7 19.1





#17

Carbon Disulfide

Concen: 19.638 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

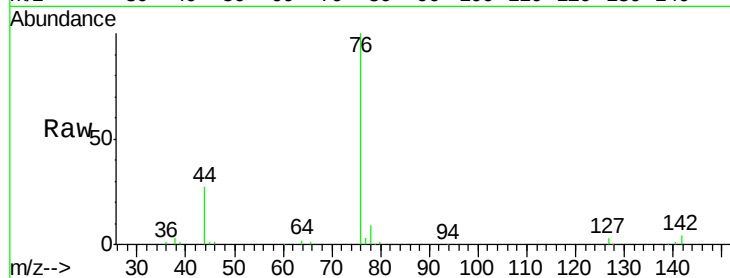
VD0621SBSD02

Tot Ion: 76 Resp: 206014

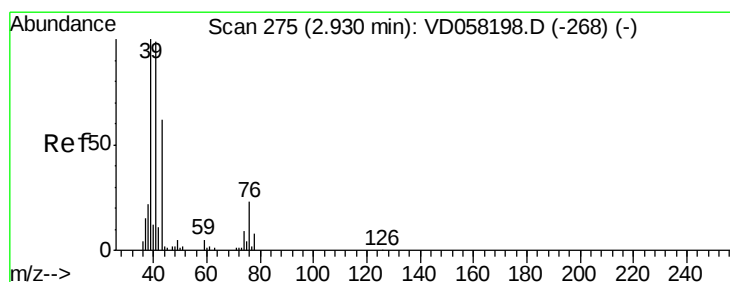
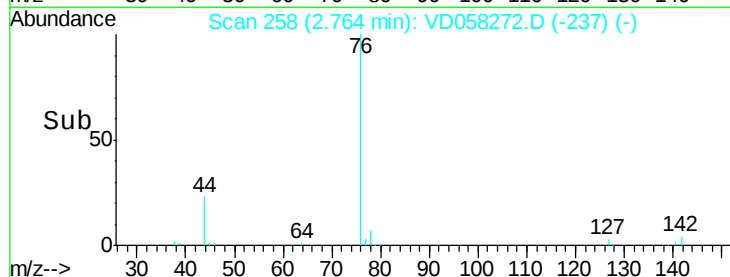
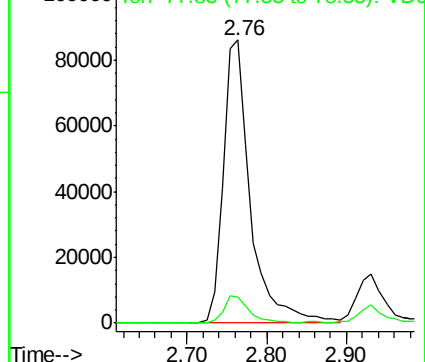
Ion Ratio Lower Upper

76 100

78 9.2 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: 19.024 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD058272.D

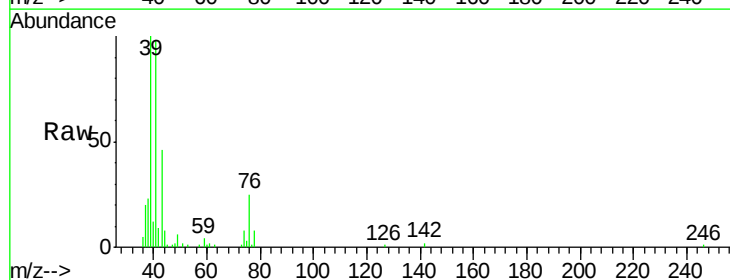
Acq: 22 Jun 2018 2:27

Tgt Ion: 43 Resp: 50299

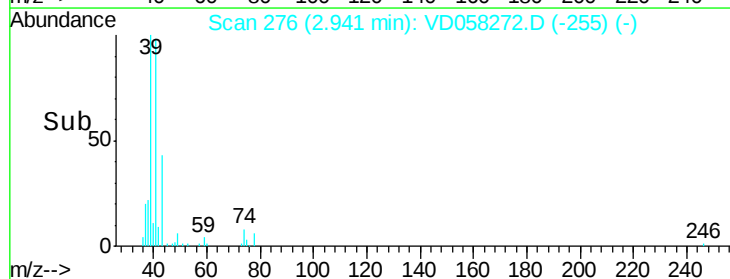
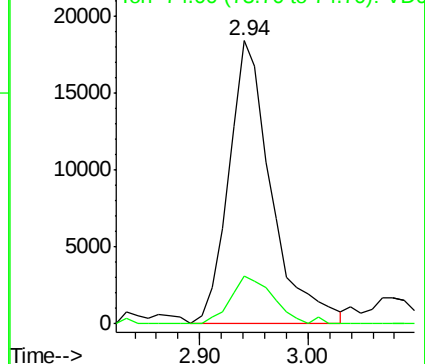
Ion Ratio Lower Upper

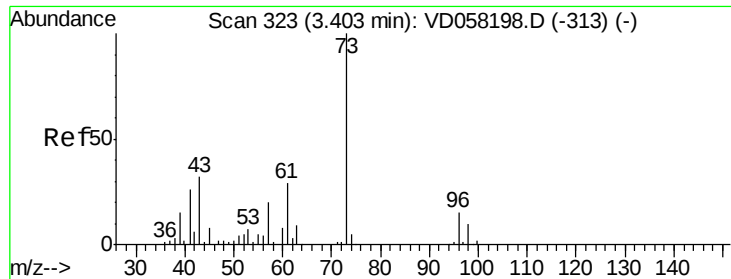
43 100

74 16.8 11.7 17.5



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

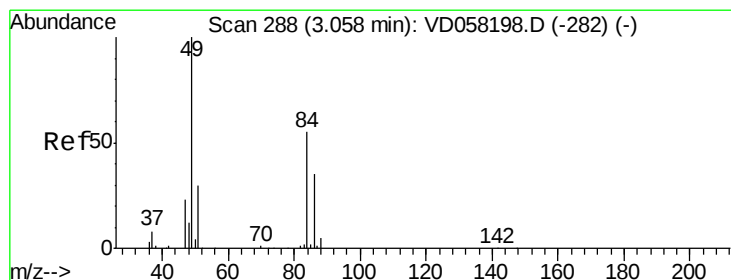
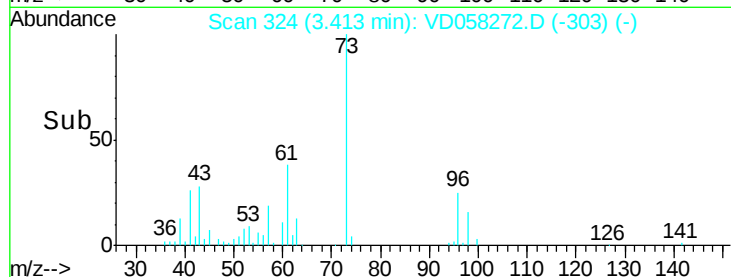
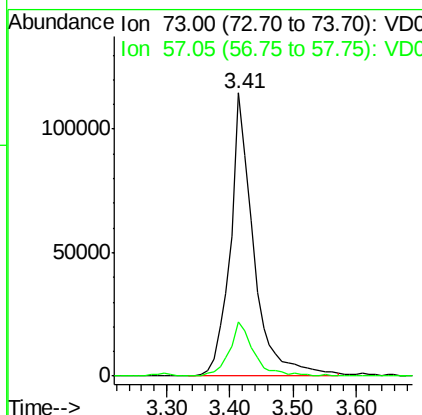
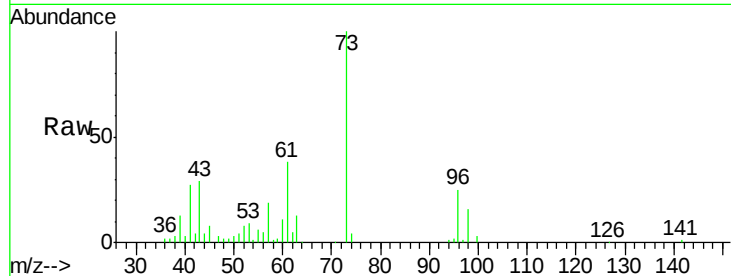




#19
Methvl tert-butvl Ether
Concen: 35.826 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.01 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

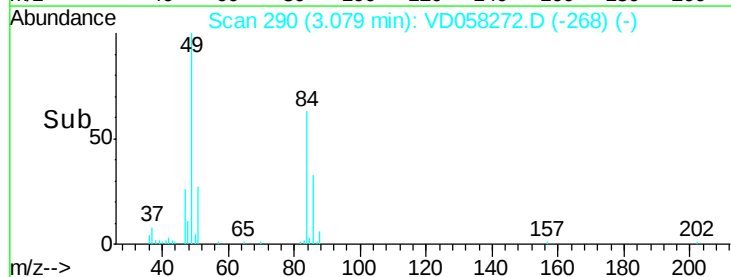
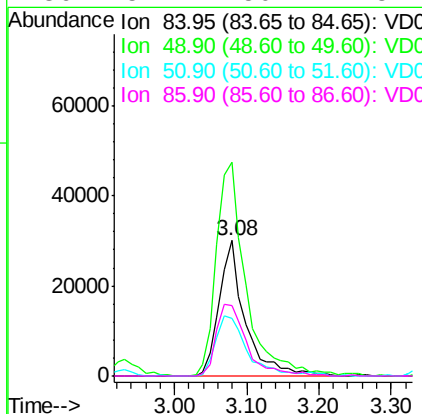
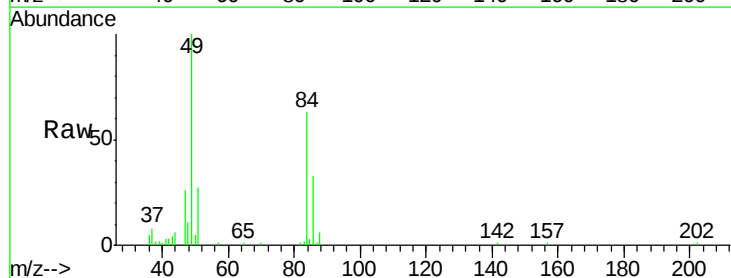
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

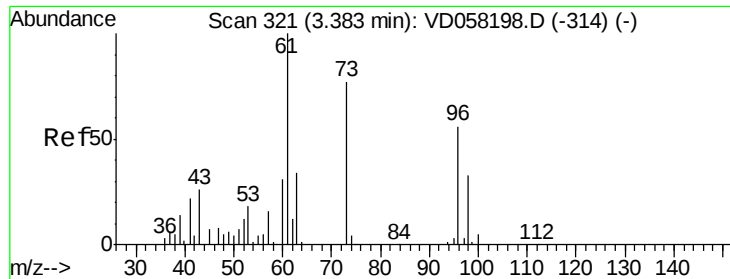
Tot Ion: 73 Resp: 292988
Ion Ratio Lower Upper
73 100
57 19.2 16.6 24.8



#20
Methylene Chloride
Concen: 20.450 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Tgt Ion: 84 Resp: 75301
Ion Ratio Lower Upper
84 100
49 157.6 145.0 217.6
51 42.5 42.9 64.3#
86 52.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 28.385 ug/l

RT: 3.41 min Scan# 324

Delta R.T. 0.03 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD02

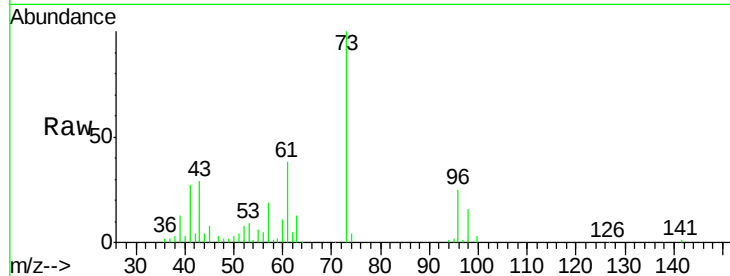
Tot Ion: 96 Resp: 95652

Ion Ratio Lower Upper

96 100

61 155.9 143.8 215.6

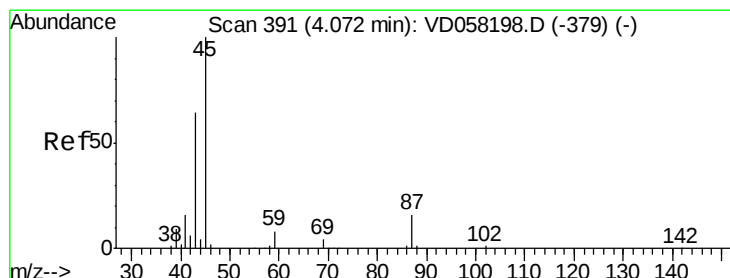
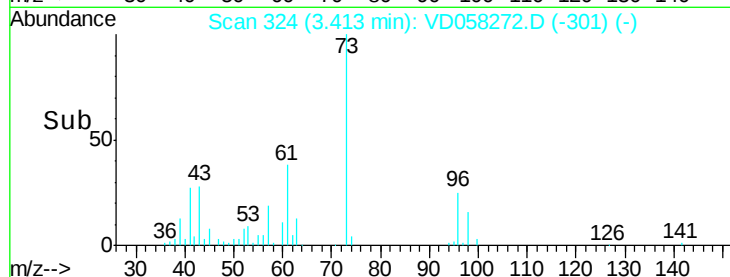
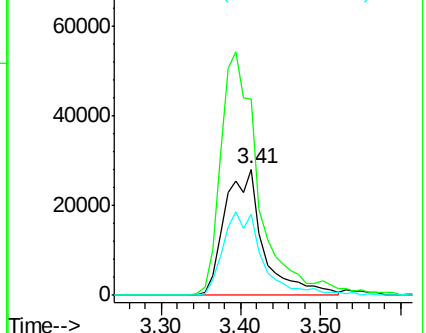
98 64.4 48.0 72.0



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: 20.804 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Tgt Ion: 45 Resp: 592968

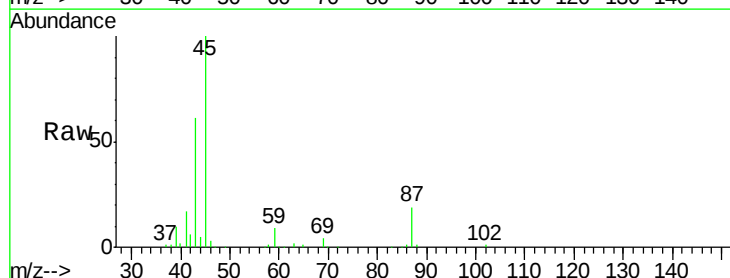
Ion Ratio Lower Upper

45 100

43 60.8 51.4 77.0

87 18.9 13.0 19.4

59 8.9 6.9 10.3

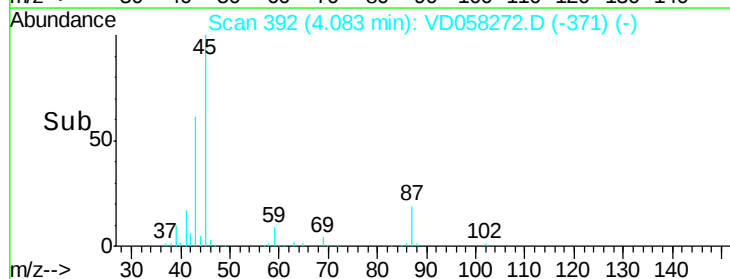
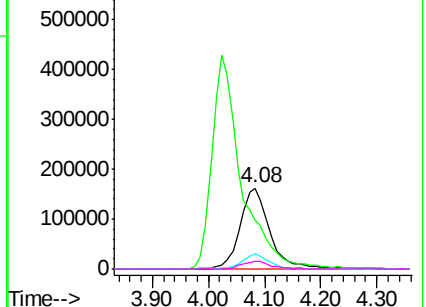


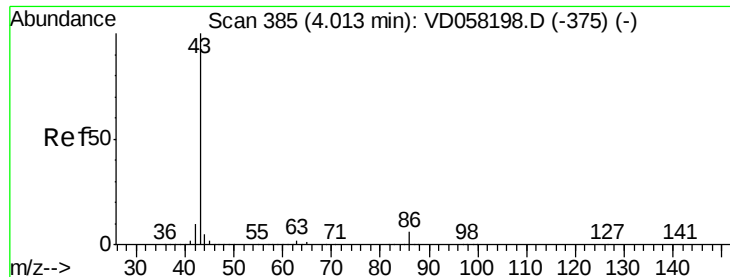
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 102.222 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

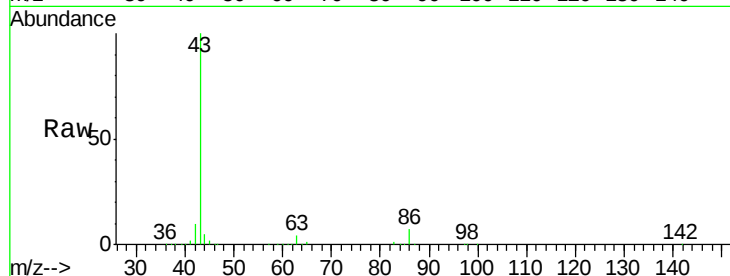
VD0621SBSD02

Tot Ion: 43 Resp: 1561856

Ion Ratio Lower Upper

43 100

86 6.6 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.02

400000

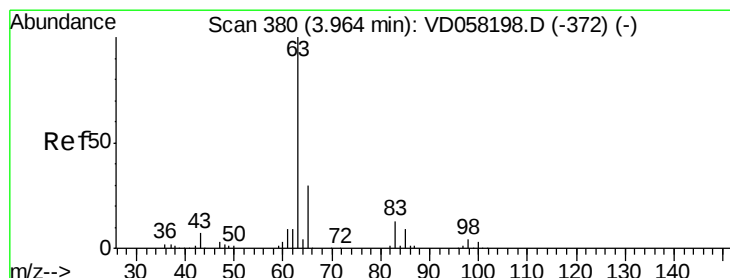
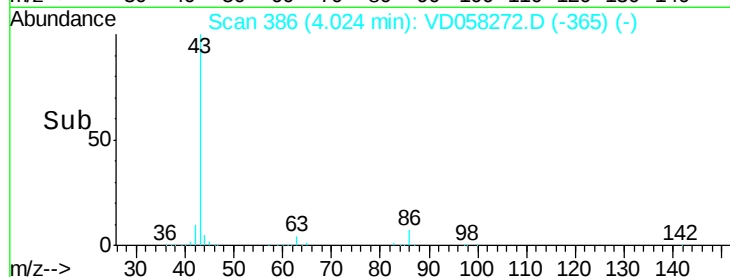
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.466 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

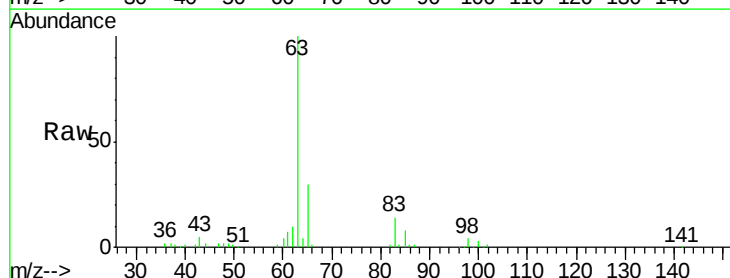
Tgt Ion: 63 Resp: 360327

Ion Ratio Lower Upper

63 100

98 4.4 1.9 5.7

100 3.1 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

3.97

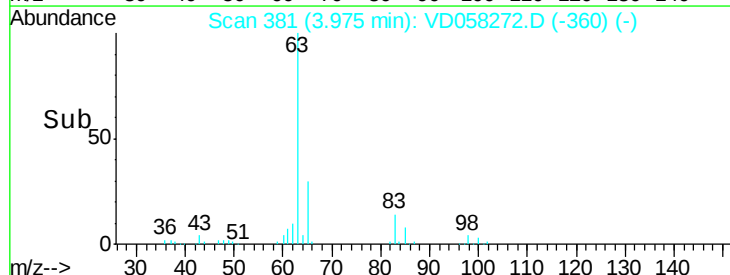
150000

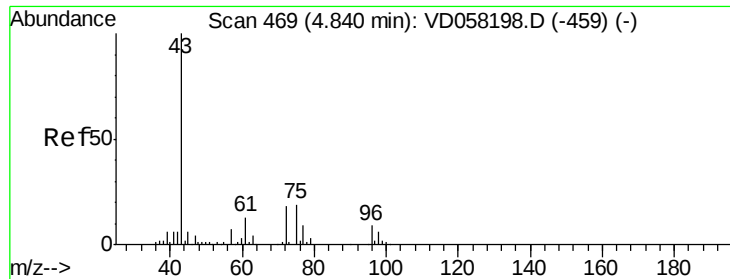
100000

50000

0

Time-->





#25

2-Butanone

Concen: 98.678 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

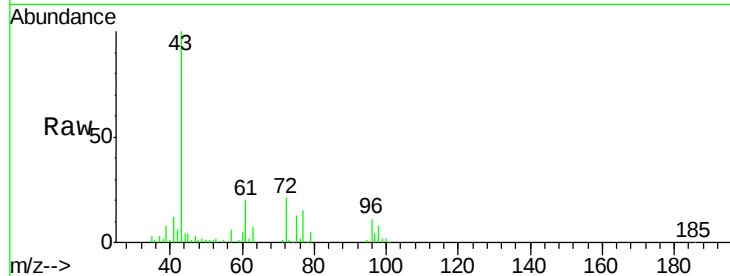
VD0621SBSD02

Tot Ion: 43 Resp: 266635

Ion Ratio Lower Upper

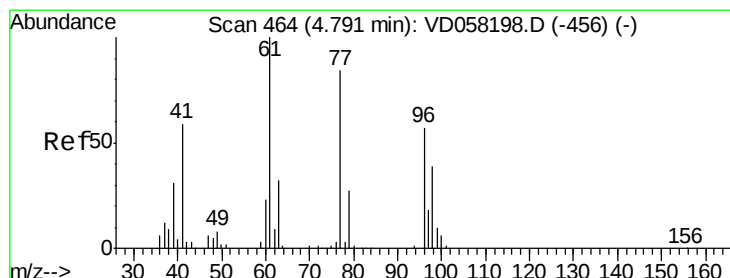
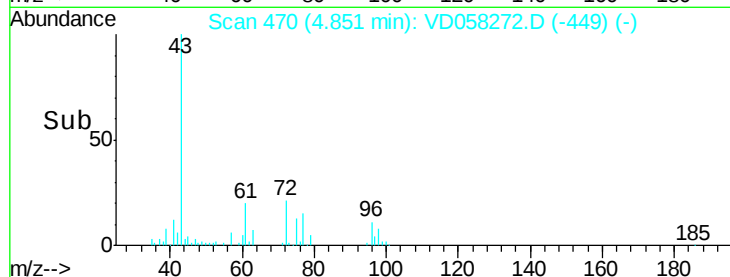
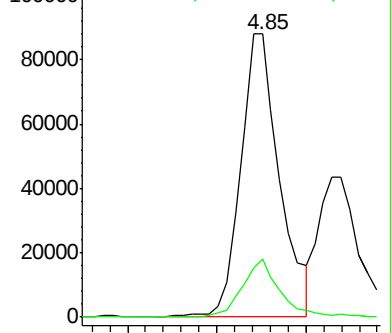
43 100

72 20.7 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: 19.922 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058272.D

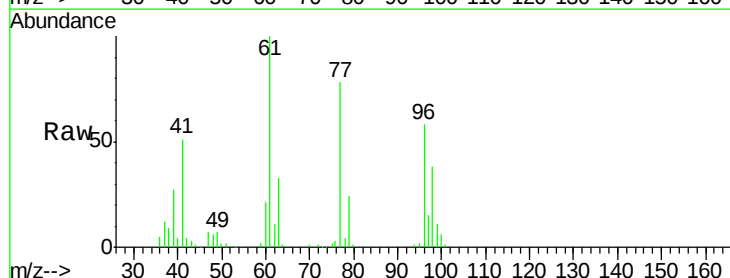
Acq: 22 Jun 2018 2:27

Tgt Ion: 77 Resp: 256147

Ion Ratio Lower Upper

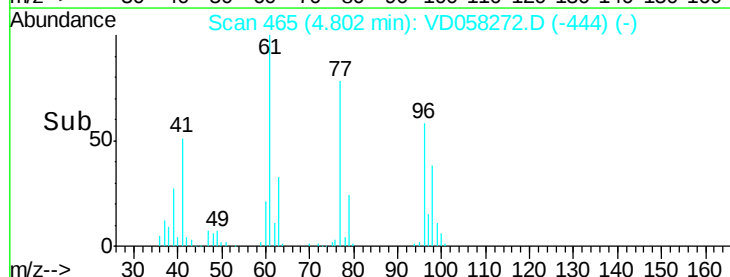
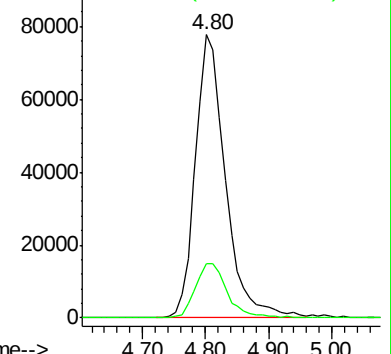
77 100

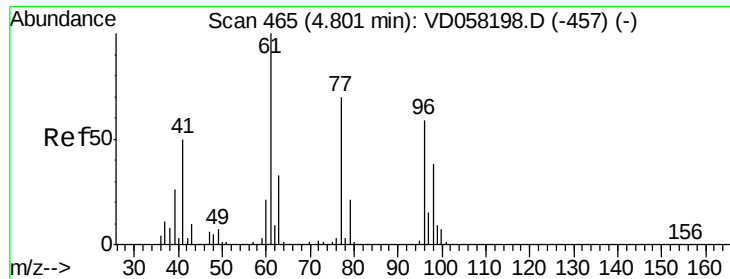
97 19.0 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



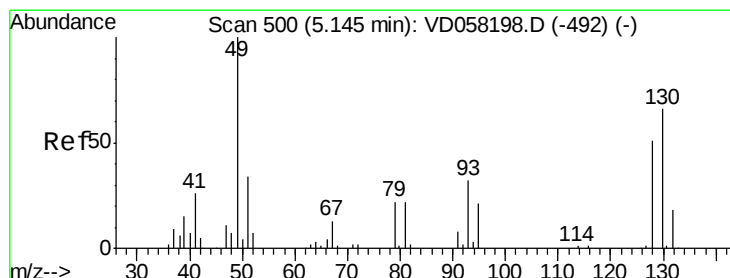
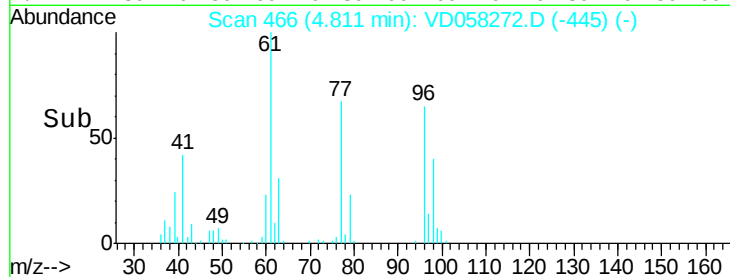
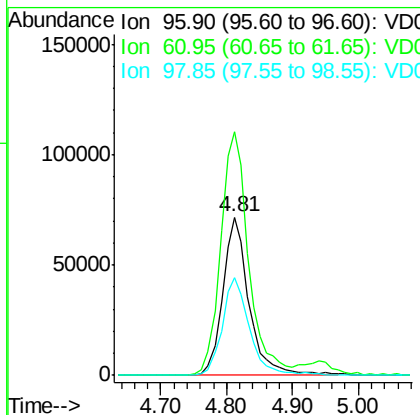
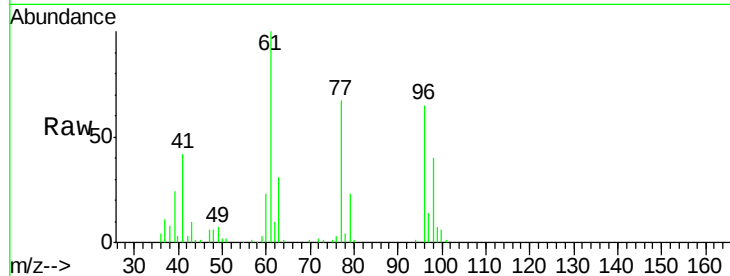


#27

cis-1,2-Dichloroethene
 Concen: 23.692 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD02

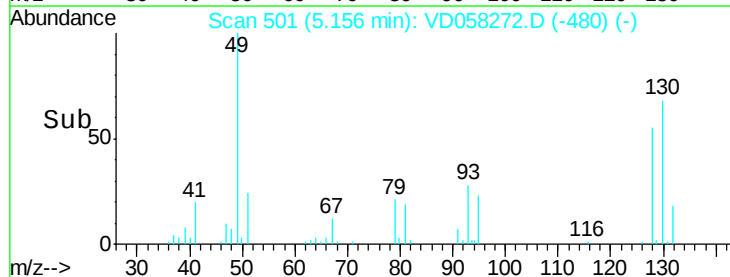
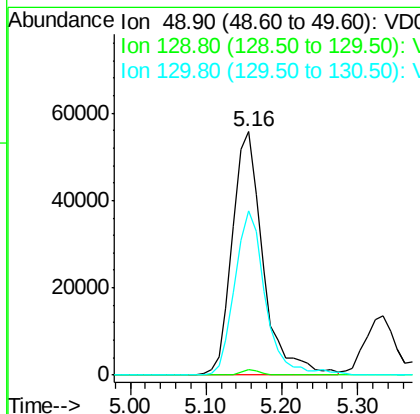
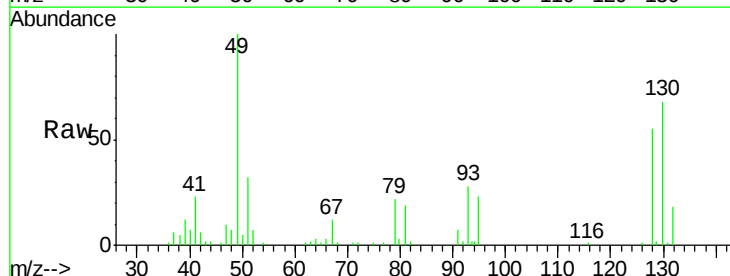
Tot Ion	96	Resp	199513
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	338.6
98	62.1	0.0	130.2



#28

Bromochloromethane
 Concen: 22.781 ug/l
 RT: 5.16 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Tgt Ion	49	Resp	156812
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	0.0#
130	67.6	52.6	79.0

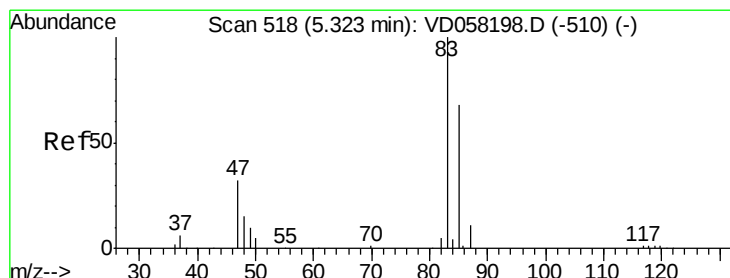
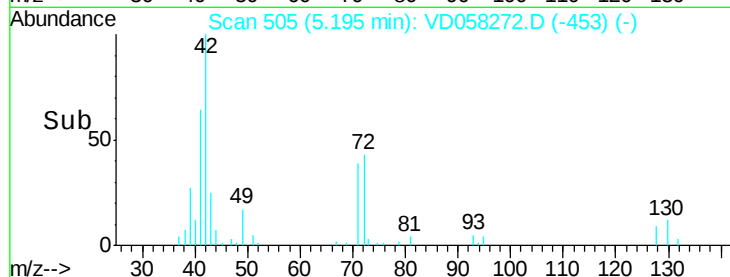
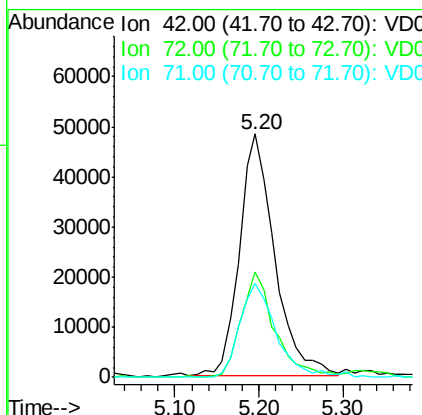
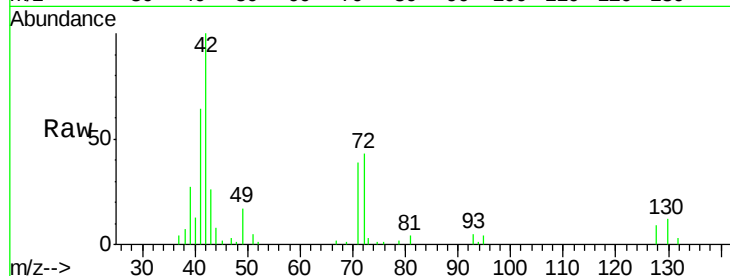




#29
Tetrahydrofuran
Concen: 97.422 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

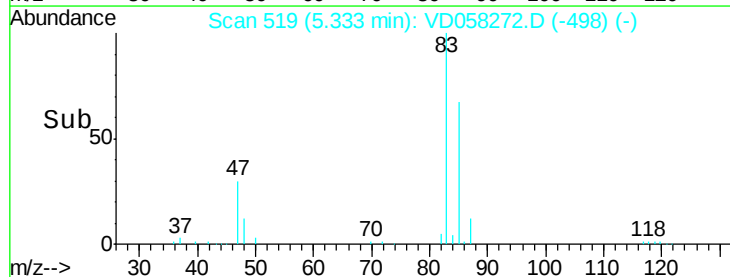
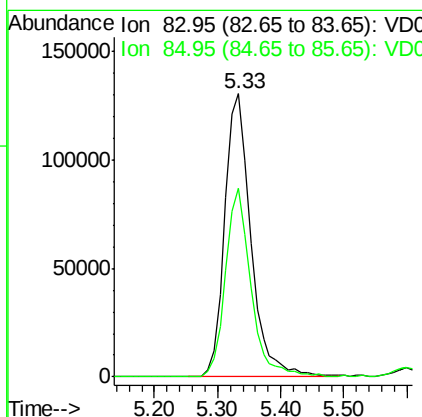
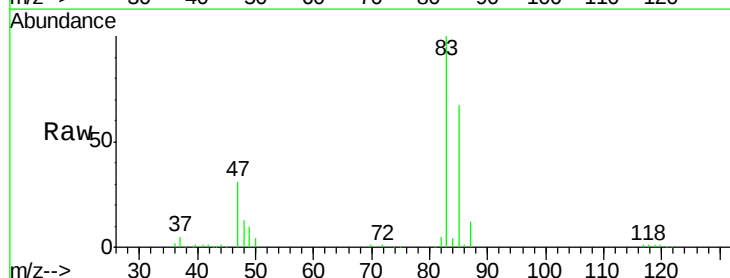
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

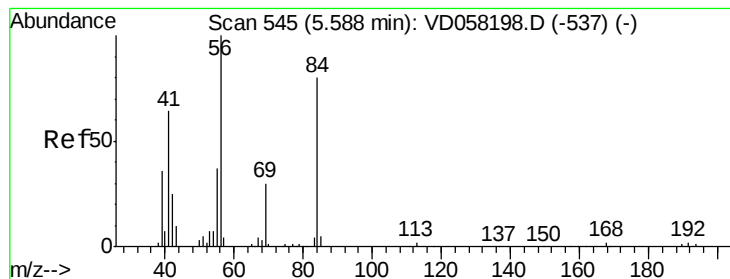
Tot Ion: 42 Resp: 140118
Ion Ratio Lower Upper
42 100
72 42.3 30.2 45.2
71 40.6 30.1 45.1



#30
Chloroform
Concen: 23.245 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Tgt Ion: 83 Resp: 376821
Ion Ratio Lower Upper
83 100
85 66.9 54.8 82.2





#31

Cyclohexane

Concen: 21.282 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

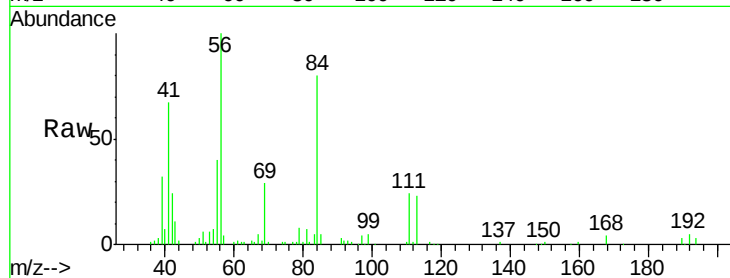
Tot Ion: 56 Resp: 270739

Ion Ratio Lower Upper

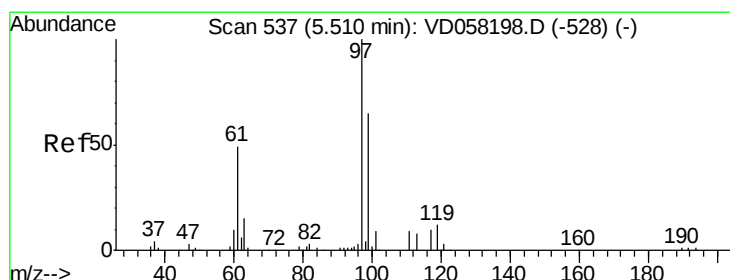
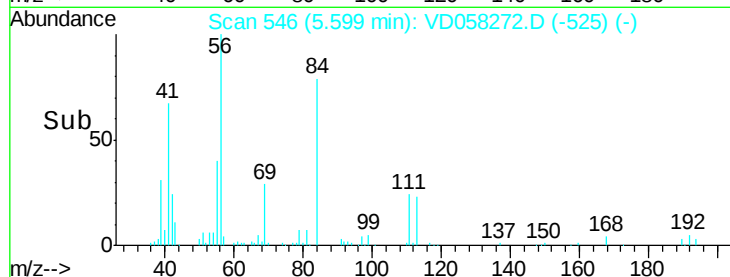
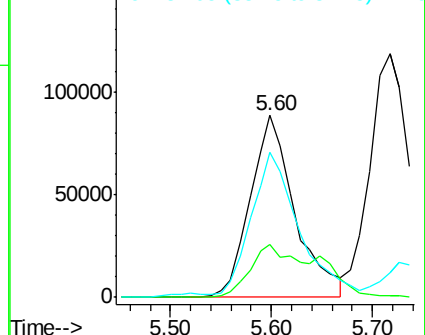
56 100

69 28.8 23.6 35.4

84 79.7 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: 21.964 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

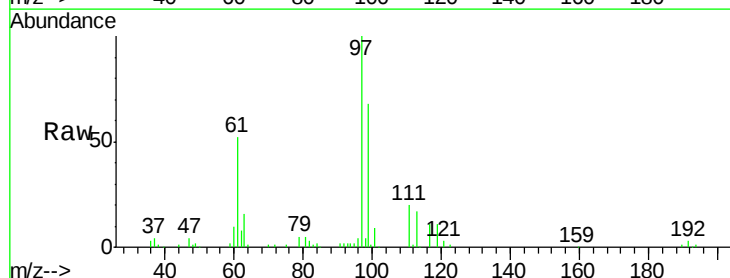
Tgt Ion: 97 Resp: 294181

Ion Ratio Lower Upper

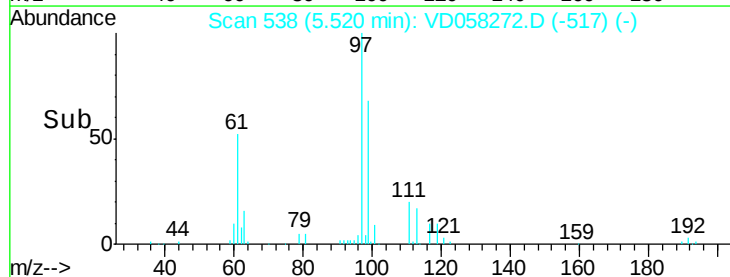
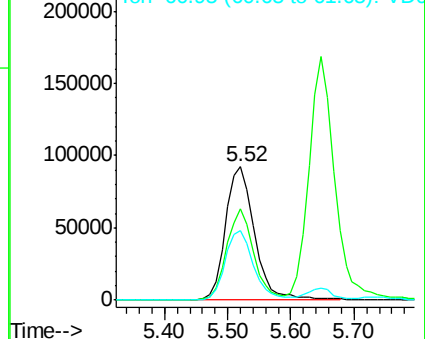
97 100

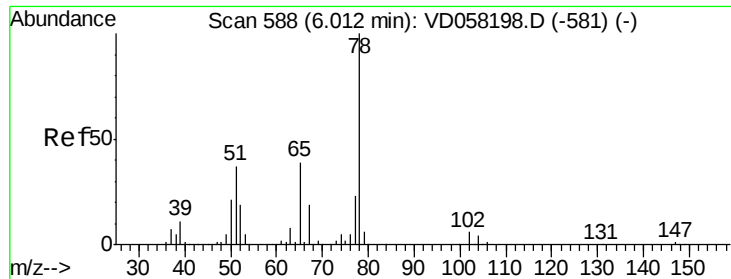
99 68.4 52.2 78.4

61 52.4 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: 21.964 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

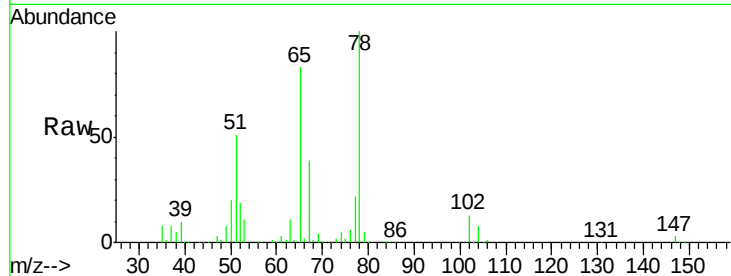
VD0621SBSD02

Tot Ion: 65 Resp: 480191

Ion Ratio Lower Upper

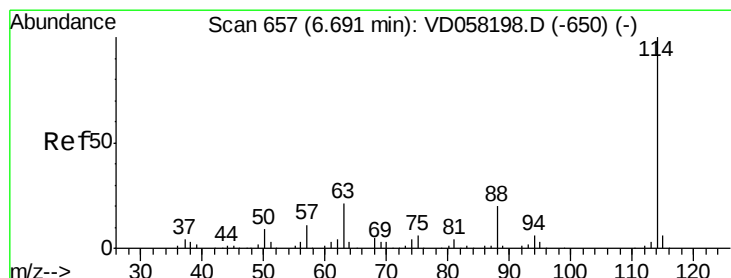
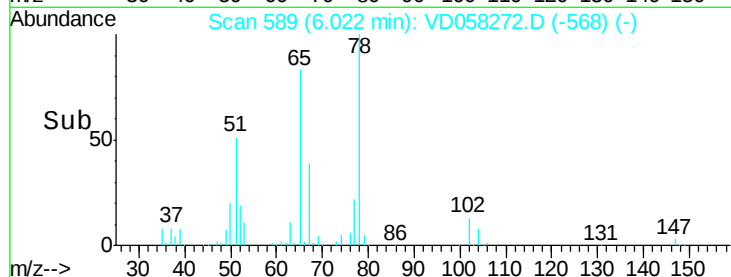
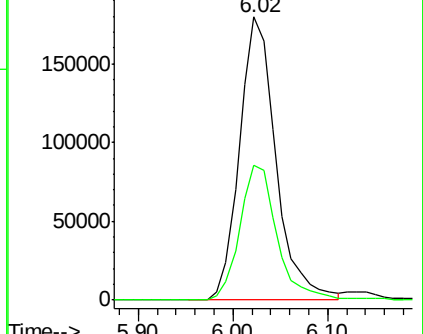
65 100

67 47.8 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

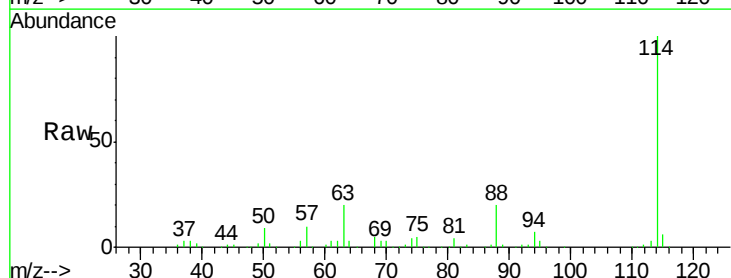
Tgt Ion: 114 Resp: 1195413

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

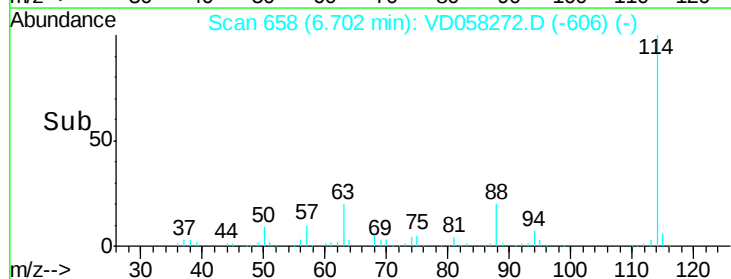
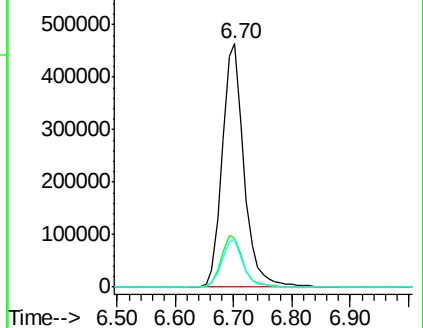
88 19.8 0.0 40.6

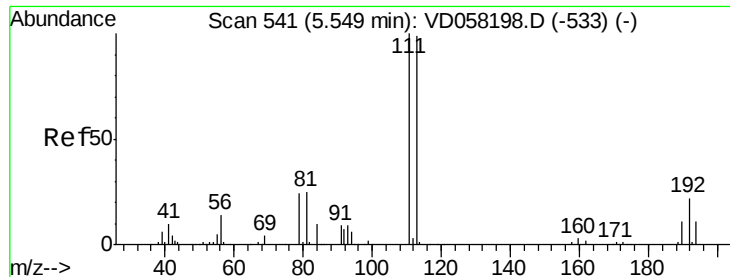


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD02

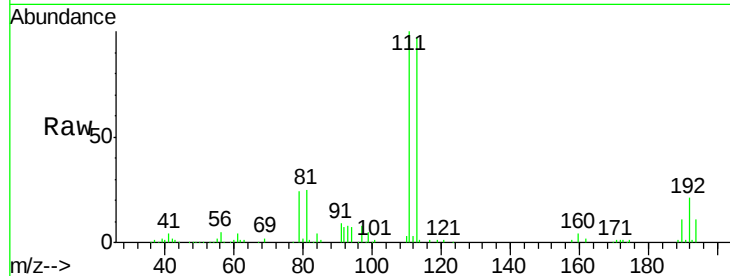
Tot Ion:113 Resp: 496761

Ion Ratio Lower Upper

113 100

111 103.3 80.6 121.0

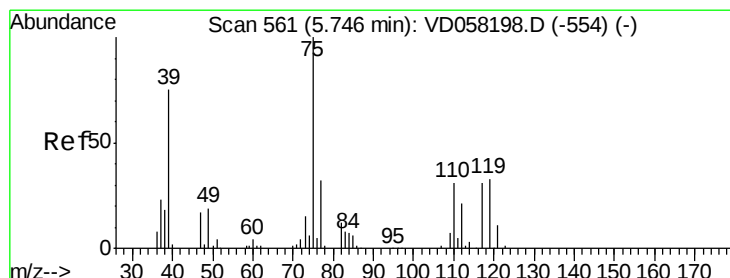
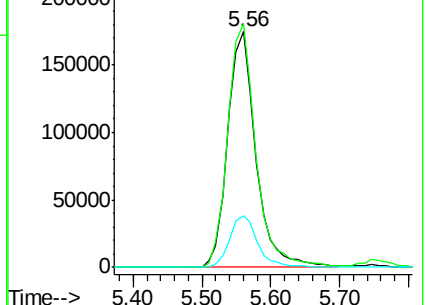
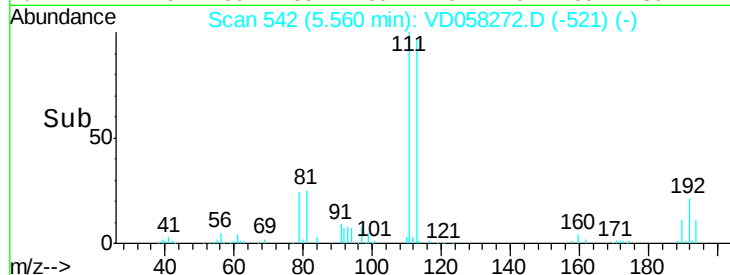
192 21.7 17.8 26.6



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: 22.277 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

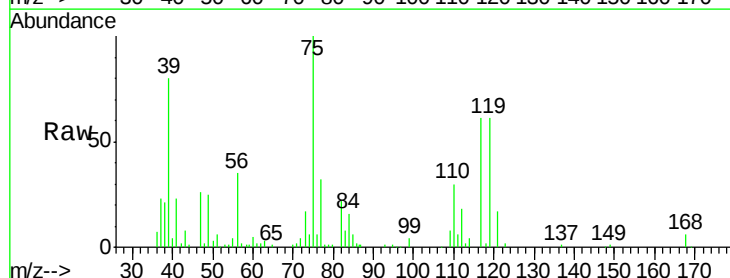
Tgt Ion: 75 Resp: 263438

Ion Ratio Lower Upper

75 100

110 30.2 15.4 46.4

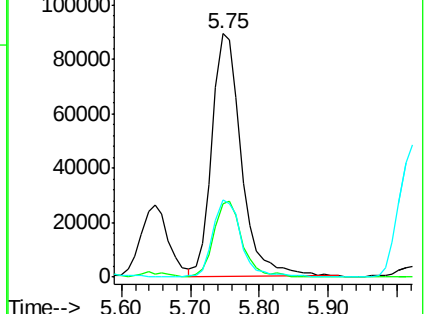
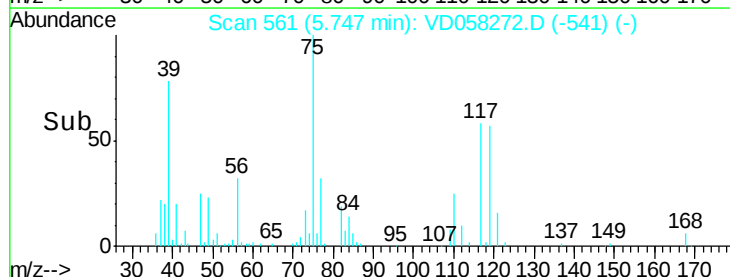
77 31.8 25.4 38.2

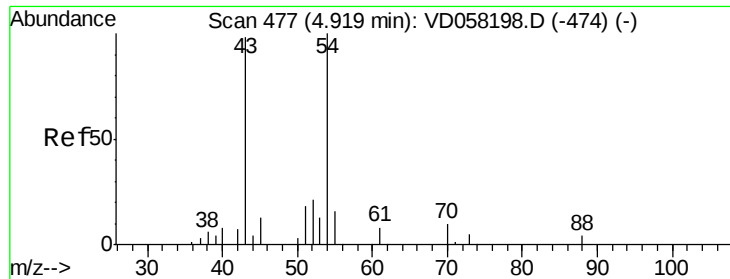


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

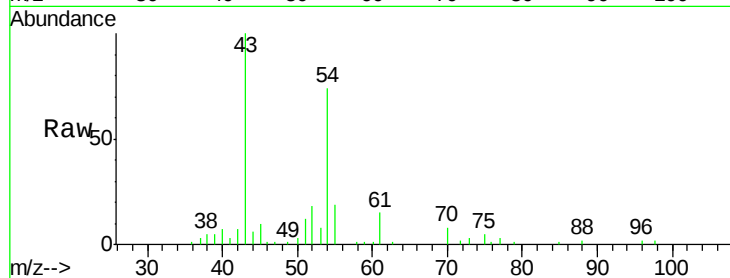




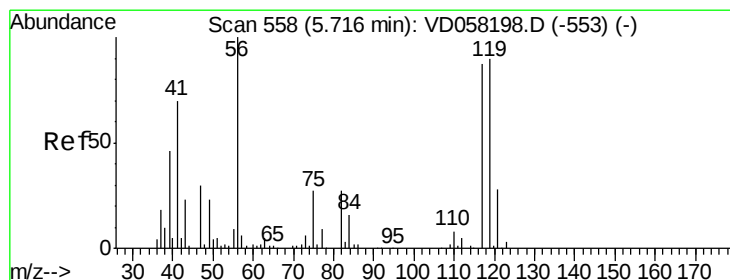
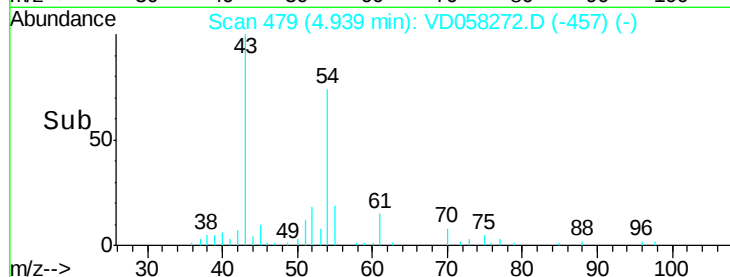
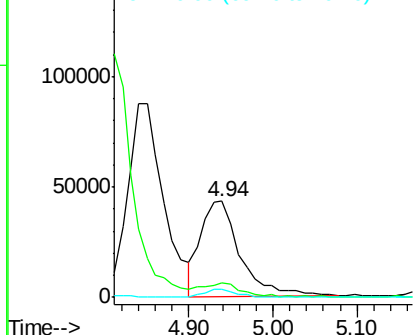
#37
Ethyl Acetate
Concen: 20.554 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

Tot Ion: 43 Resp: 138488
Ion Ratio Lower Upper
43 100
61 15.0 10.3 15.5
70 8.3 5.7 8.5

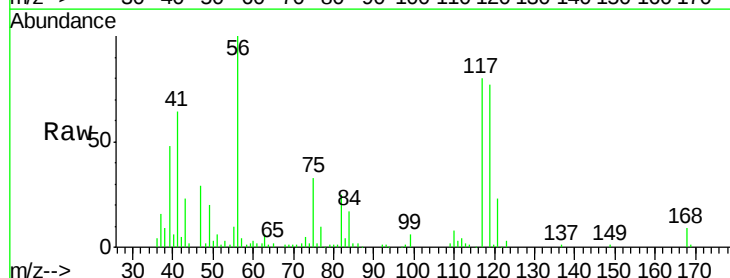


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

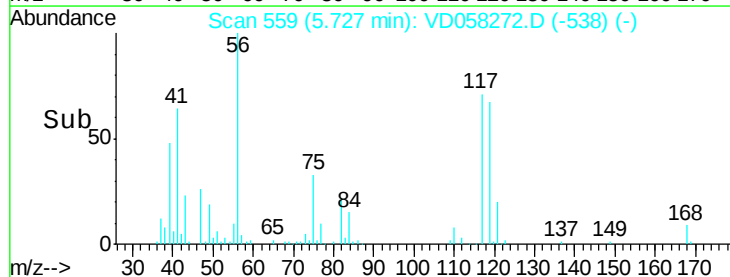
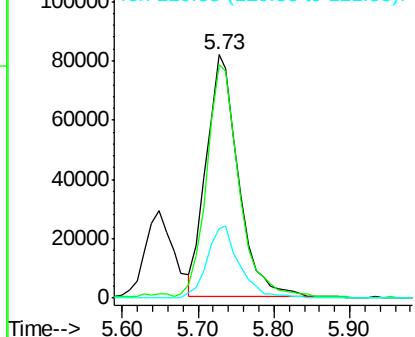


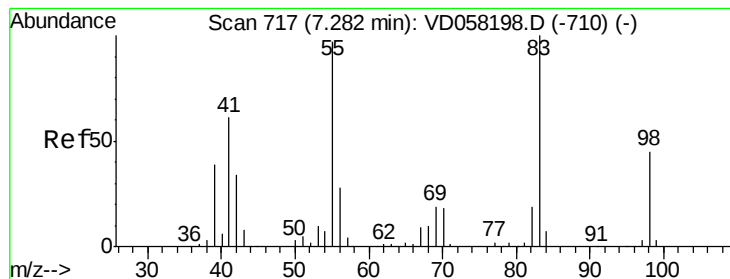
#38
Carbon Tetrachloride
Concen: 20.542 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Tgt Ion: 117 Resp: 241369
Ion Ratio Lower Upper
117 100
119 96.0 78.8 118.2
121 28.4 25.0 37.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 20.834 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD02

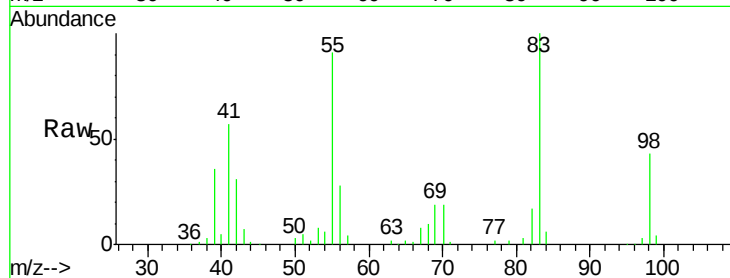
Tot Ion: 83 Resp: 239977

Ion Ratio Lower Upper

83 100

55 91.1 77.4 116.2

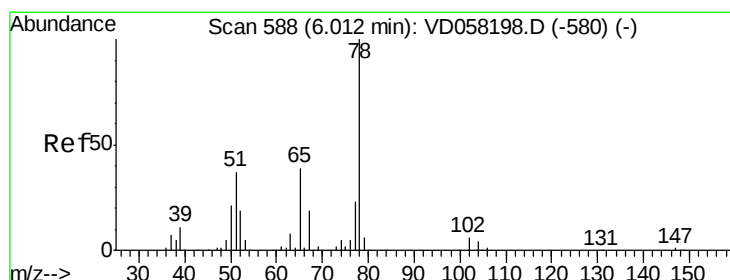
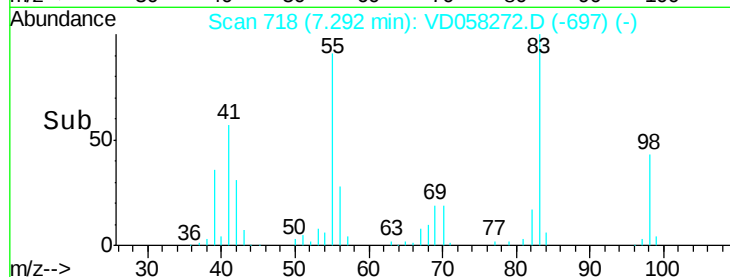
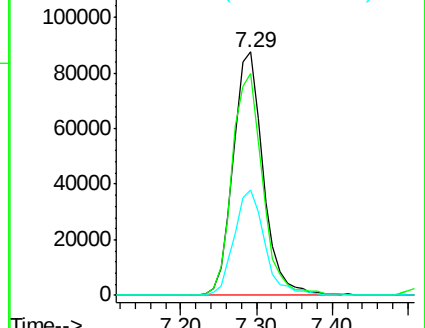
98 43.1 35.9 53.9



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: 21.741 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058272.D

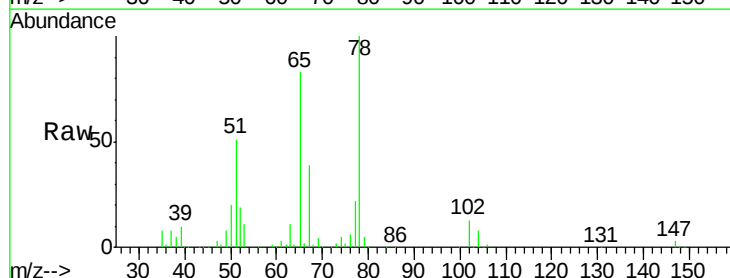
Acq: 22 Jun 2018 2:27

Tgt Ion: 78 Resp: 612439

Ion Ratio Lower Upper

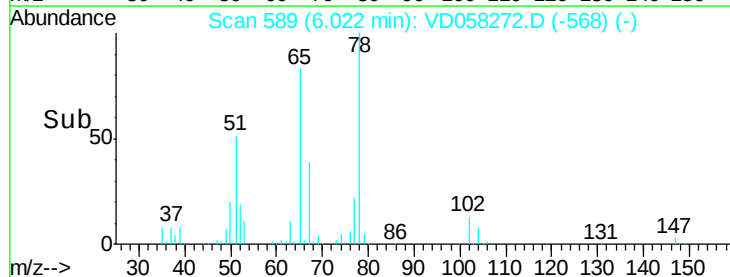
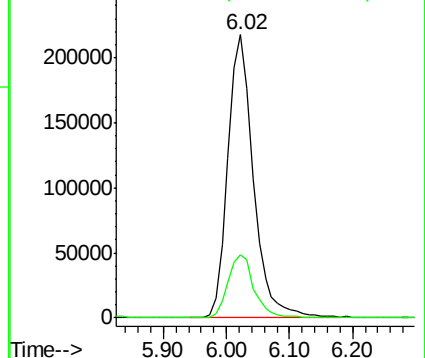
78 100

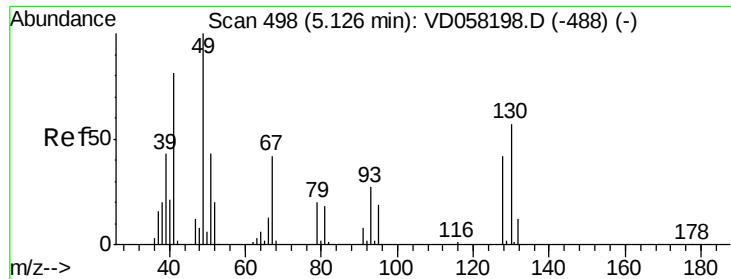
77 22.4 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.157 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD02

Tot Ion: 41 Resp: 62330

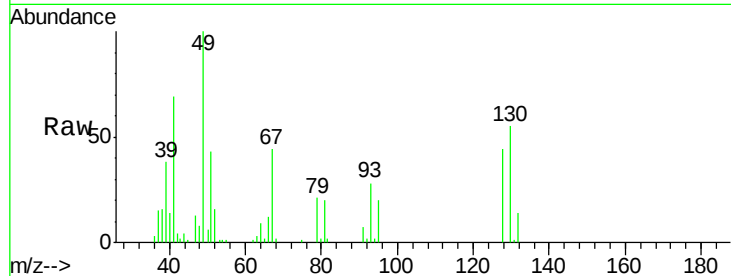
Ion Ratio Lower Upper

41 100

39 55.6 43.4 65.2

67 63.6 41.7 62.5#

52 23.1 20.6 30.8

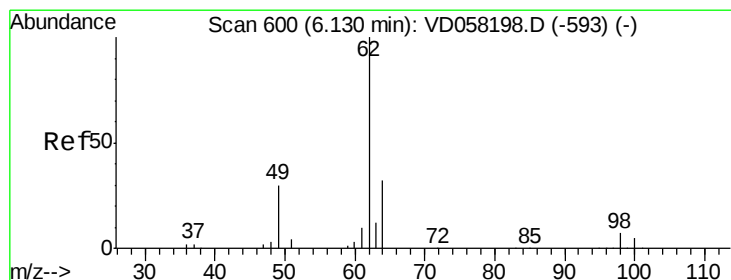
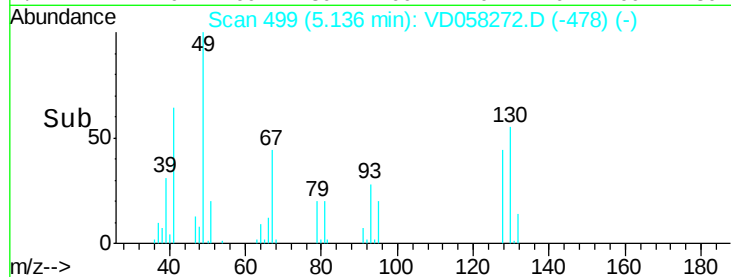
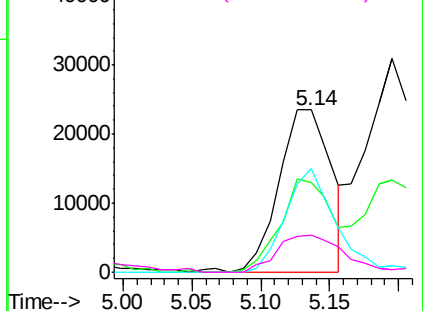


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.351 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.01 min

Lab File: VD058272.D

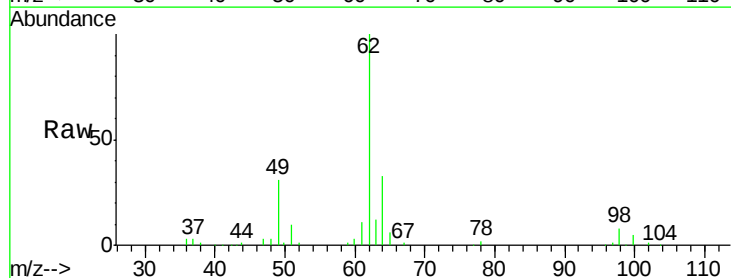
Acq: 22 Jun 2018 2:27

Tgt Ion: 62 Resp: 242516

Ion Ratio Lower Upper

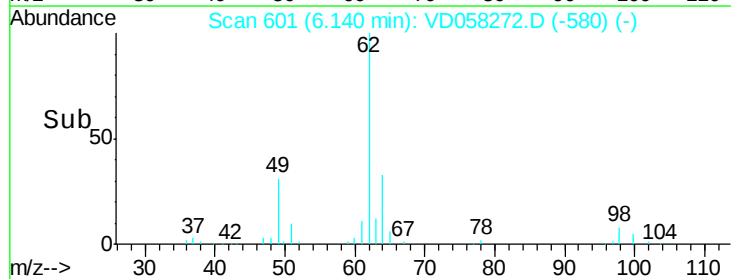
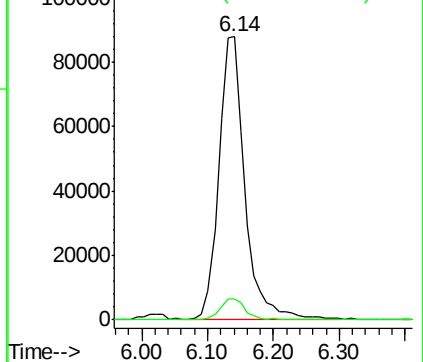
62 100

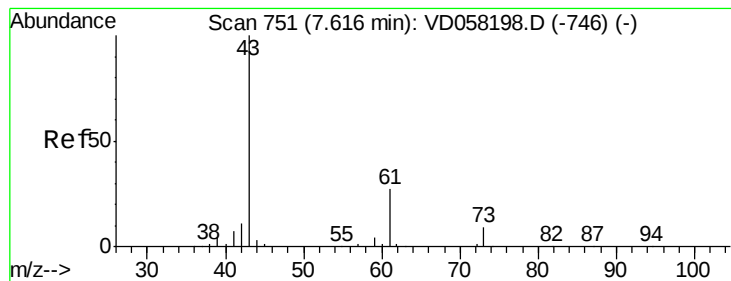
98 7.5 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



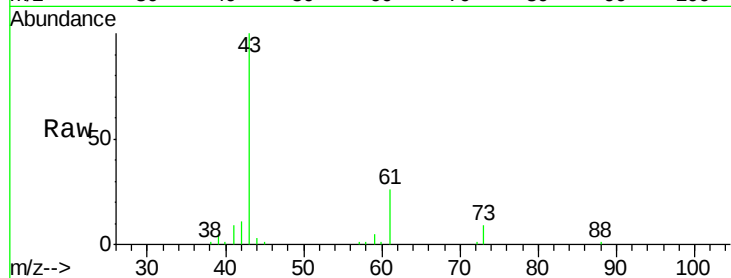


#43

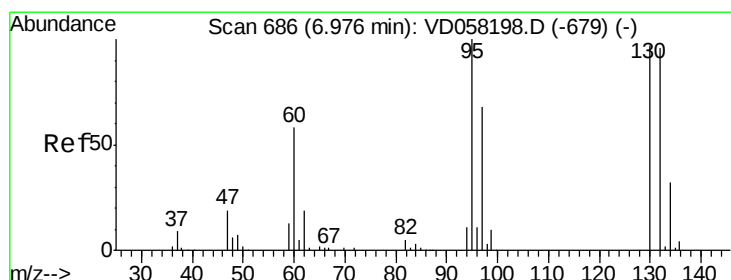
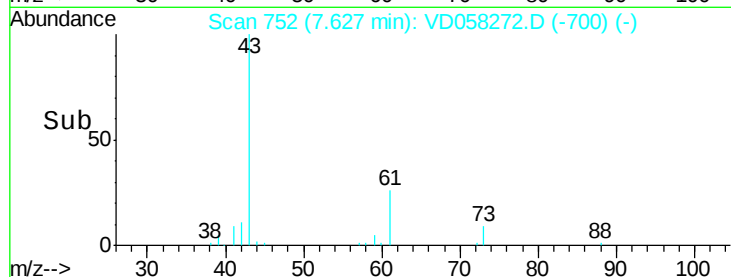
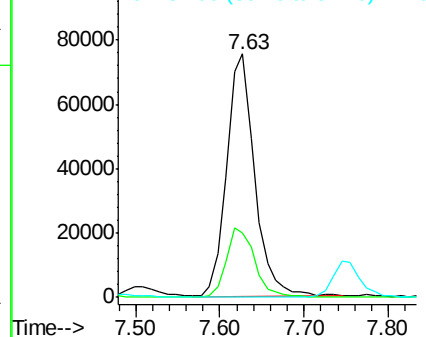
Isopropyl Acetate
 Concen: 19.415 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

Tot Ion: 43 Resp: 174408
 Ion Ratio Lower Upper
 43 100
 61 26.5 21.8 32.6
 87 0.0 0.3 0.5#



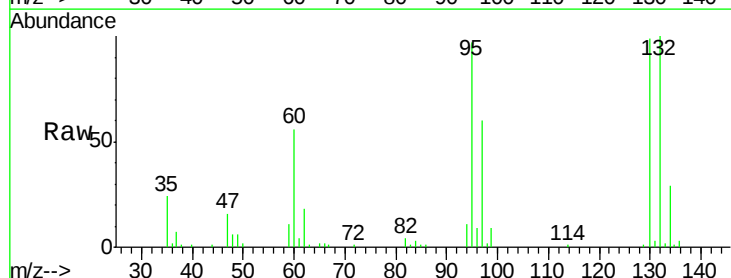
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



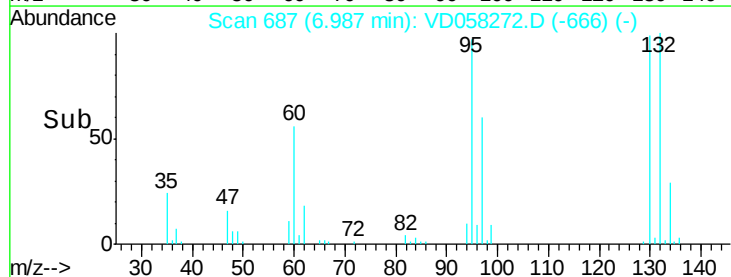
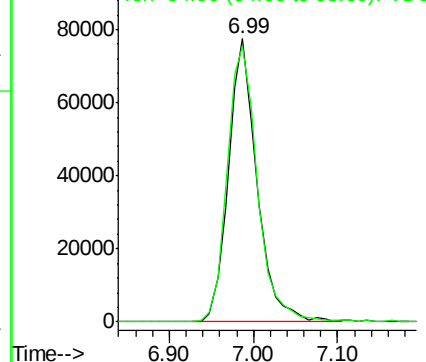
#44

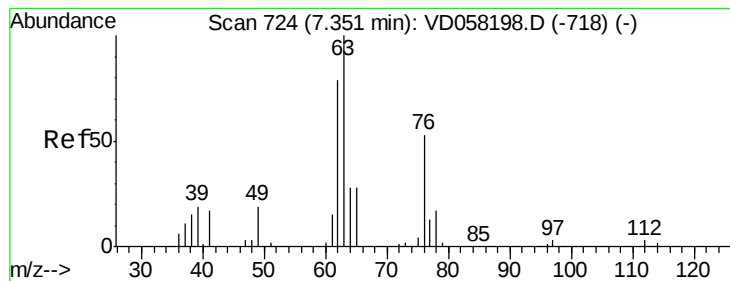
Trichloroethene
 Concen: 21.520 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Tgt Ion: 130 Resp: 182032
 Ion Ratio Lower Upper
 130 100
 95 97.6 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.913 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

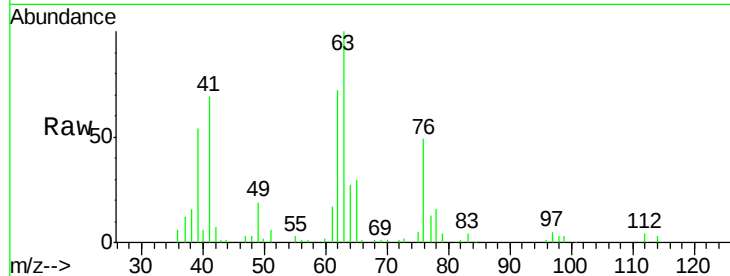
VD0621SBSD02

Tot Ion: 63 Resp: 166244

Ion Ratio Lower Upper

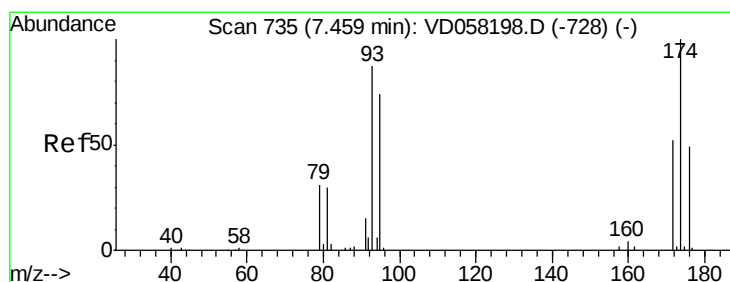
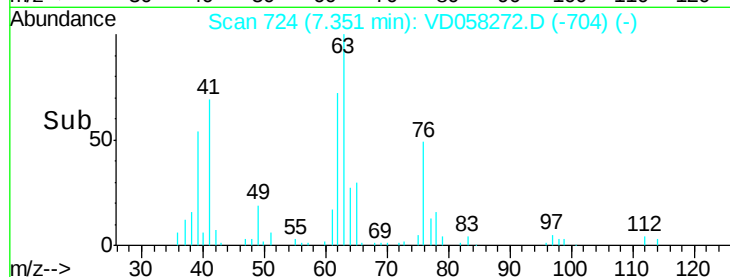
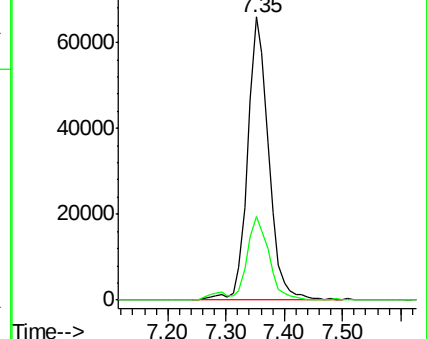
63 100

65 29.7 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: 20.977 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

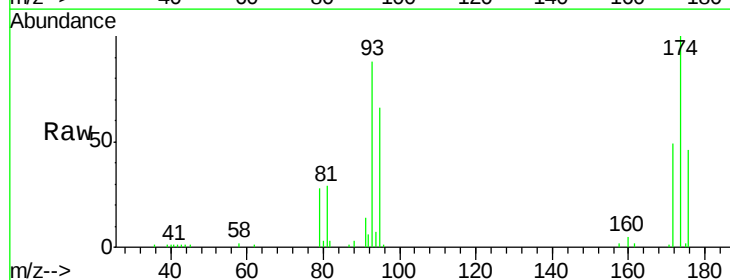
Tgt Ion: 93 Resp: 108642

Ion Ratio Lower Upper

93 100

95 75.1 67.8 101.6

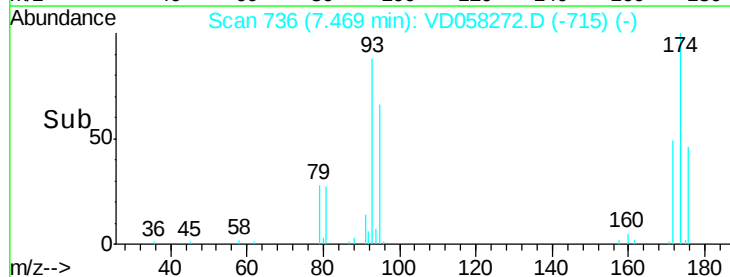
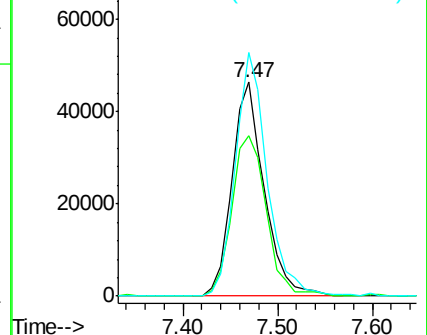
174 114.0 92.2 138.2

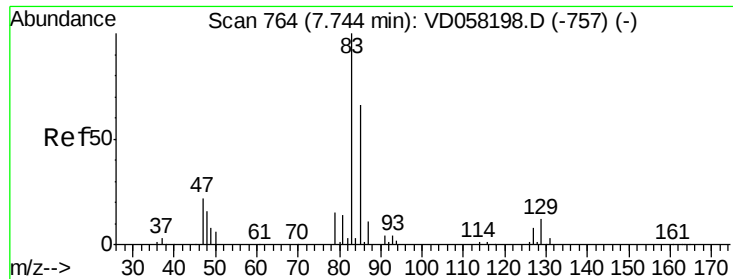


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.707 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

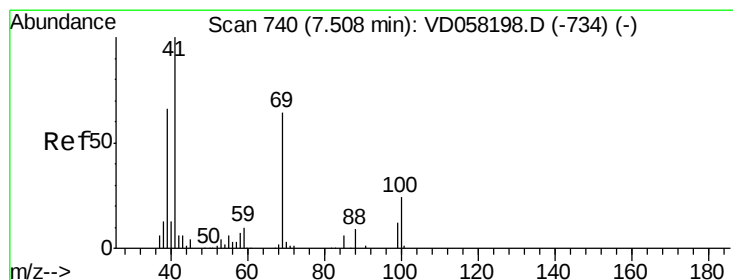
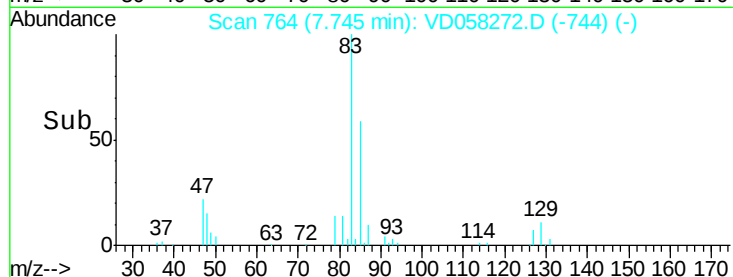
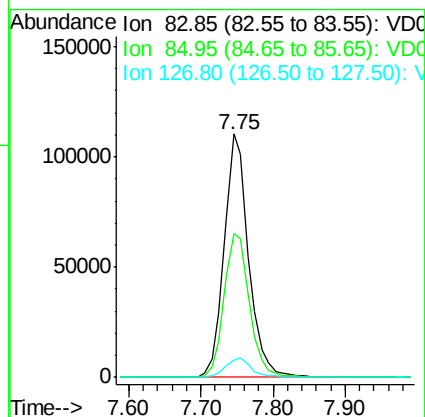
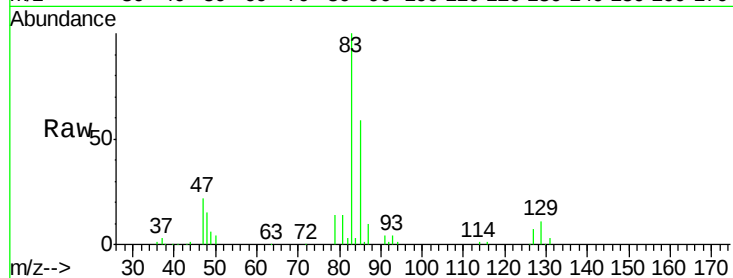
Tot Ion: 83 Resp: 256366

Ion Ratio Lower Upper

83 100

85 59.0 52.6 78.8

127 7.1 6.2 9.4



#48

Methyl methacrylate

Concen: 18.650 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

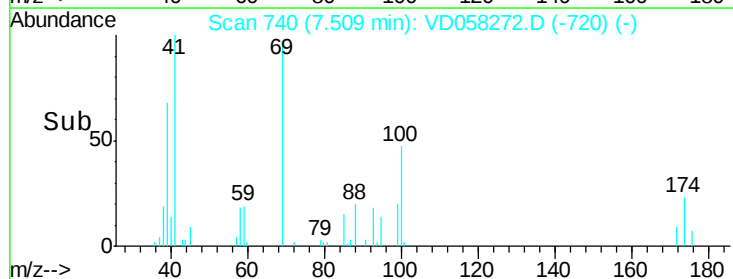
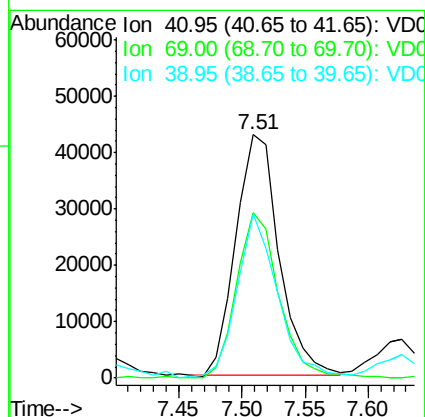
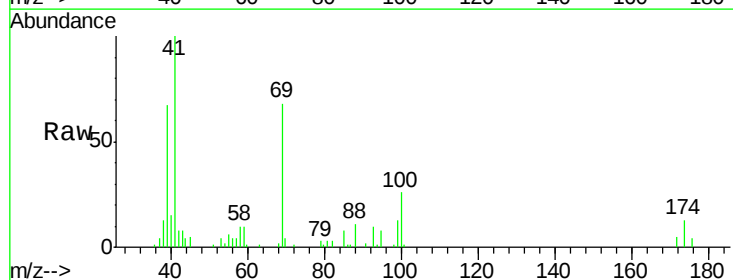
Tgt Ion: 41 Resp: 101819

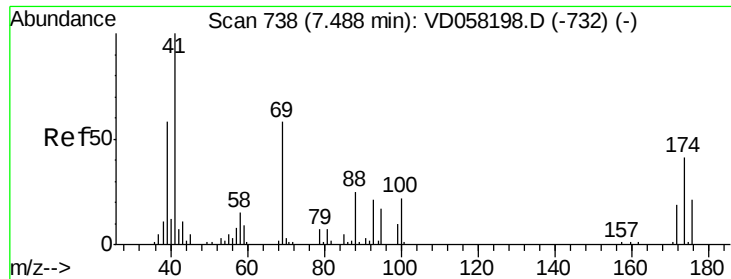
Ion Ratio Lower Upper

41 100

69 68.2 50.7 76.1

39 67.4 52.6 78.8





#49

1,4-Dioxane

Concen: 434.759 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

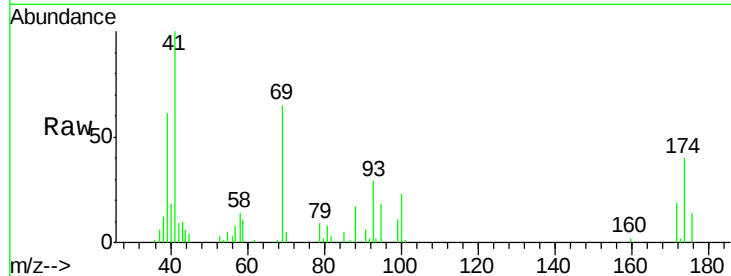
Tot Ion: 88 Resp: 21426

Ion Ratio Lower Upper

88 100

43 59.9 34.2 51.2#

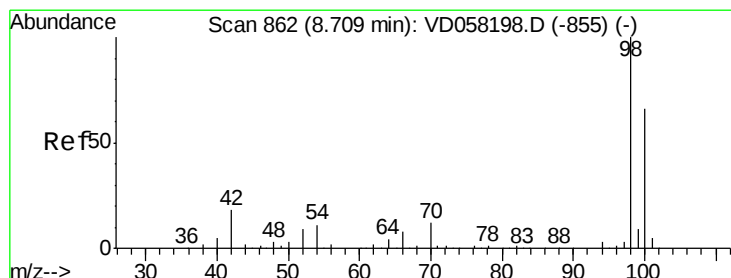
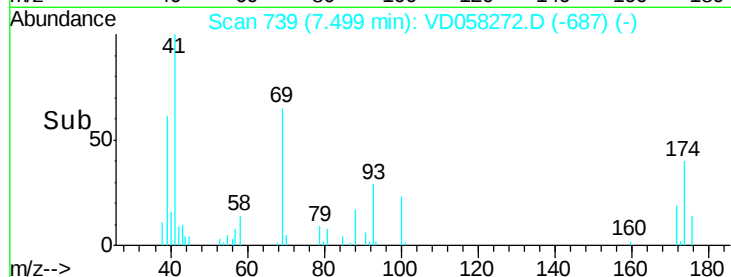
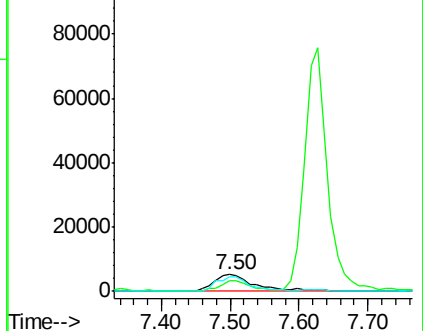
58 81.9 47.9 71.9#



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: 434.759 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058272.D

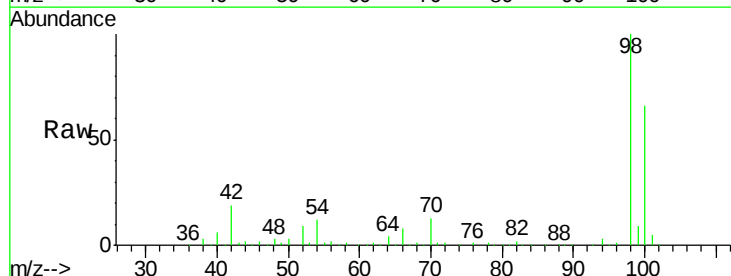
Acq: 22 Jun 2018 2:27

Tgt Ion: 98 Resp: 1173192

Ion Ratio Lower Upper

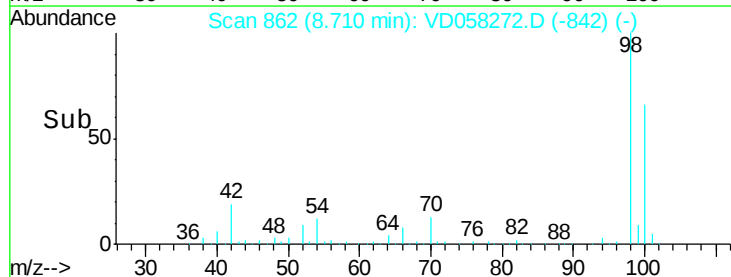
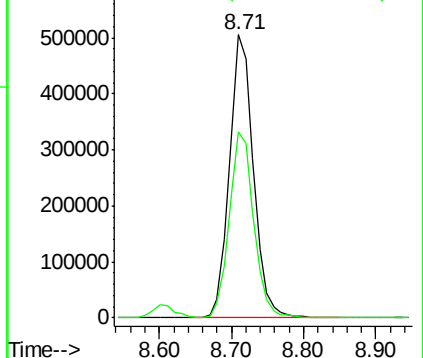
98 100

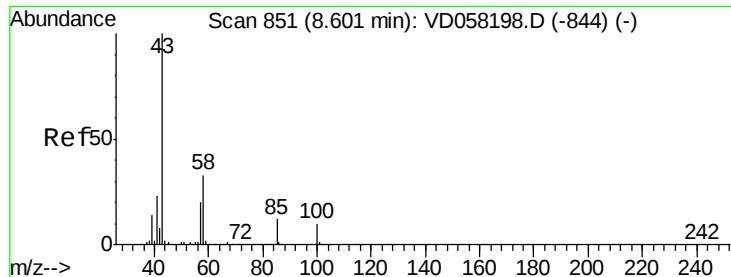
100 65.7 53.6 80.4



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: 98.974 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

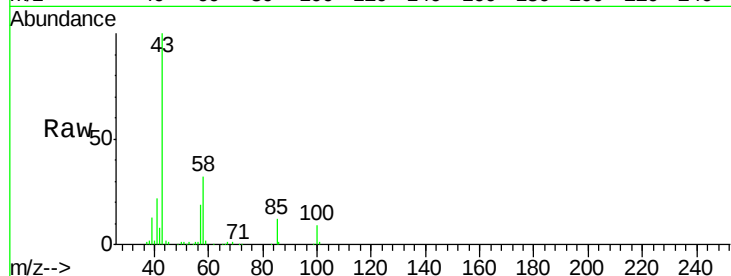
VD0621SBS02

Tot Ion: 43 Resp: 579922

Ion Ratio Lower Upper

43 100

58 32.4 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

250000

200000

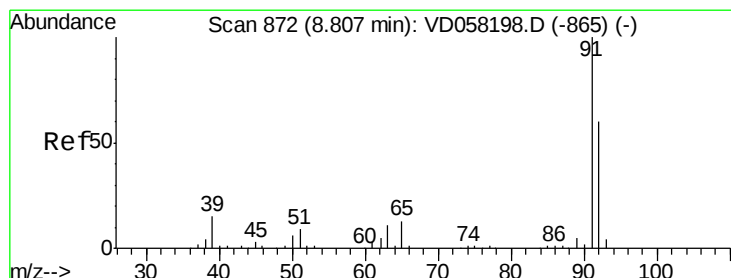
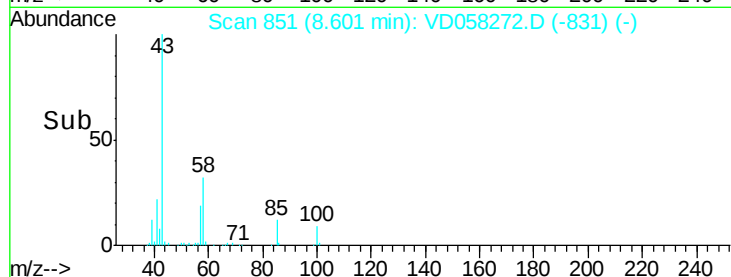
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.954 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058272.D

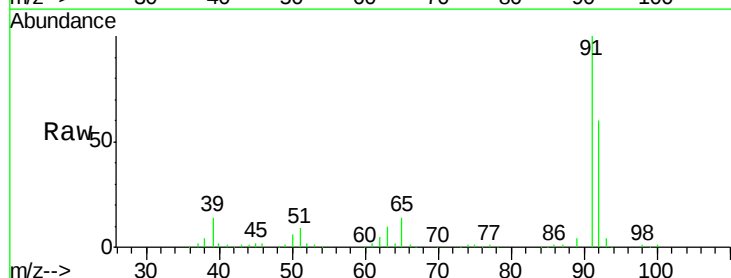
Acq: 22 Jun 2018 2:27

Tgt Ion: 92 Resp: 352147

Ion Ratio Lower Upper

92 100

91 167.0 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

300000

250000

200000

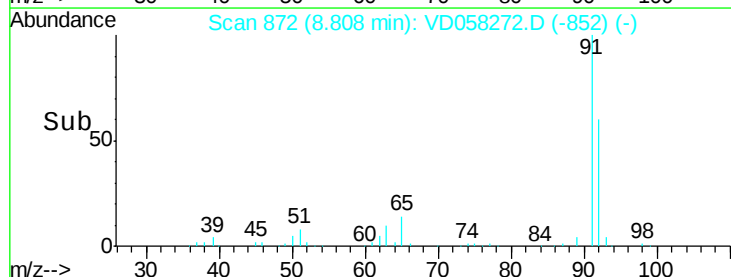
150000

100000

50000

0

Time-->

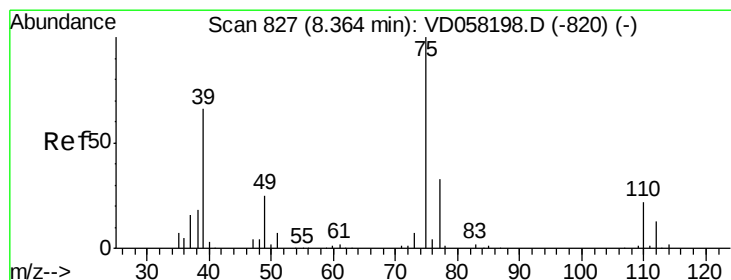
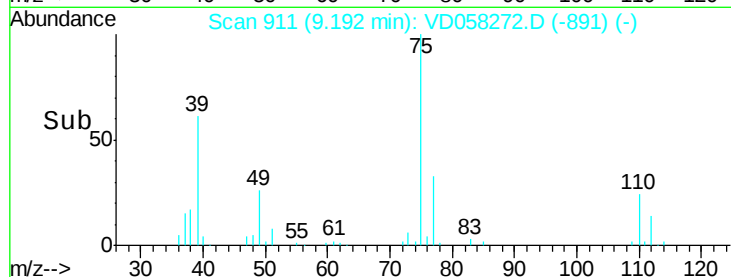
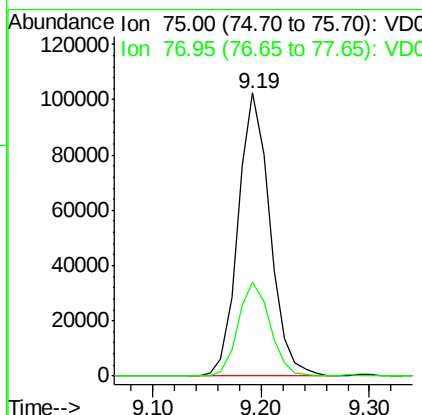
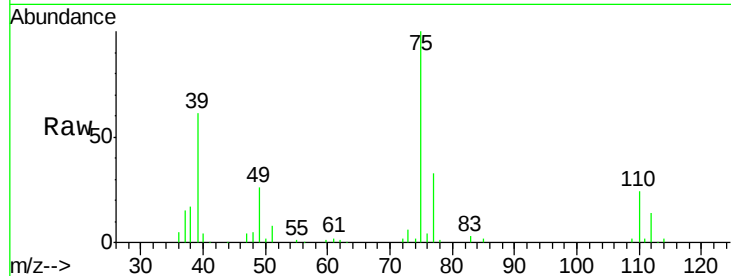




#53
t-1,3-Dichloropropene
Concen: 20.453 ug/l
RT: 9.19 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

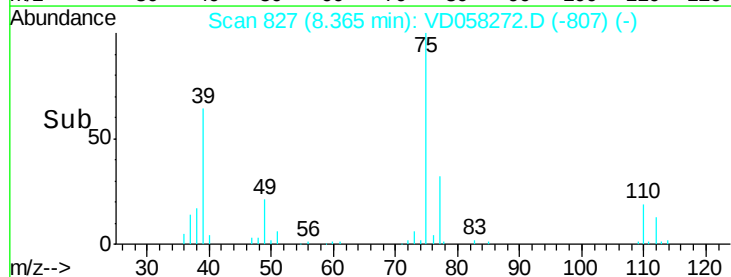
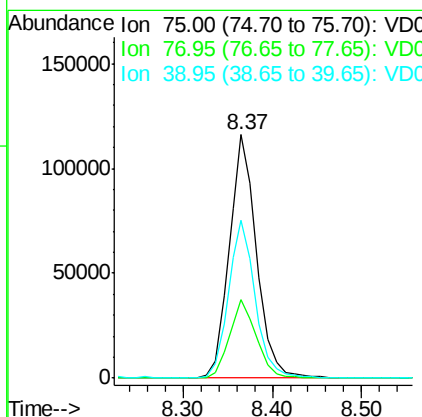
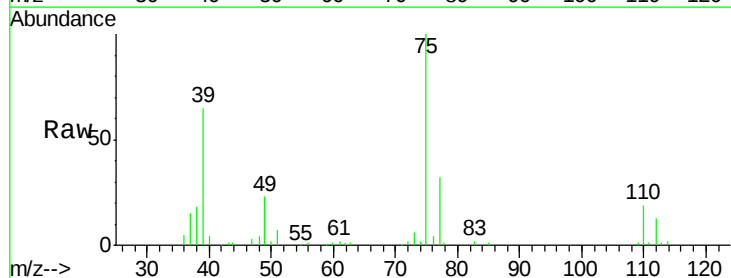
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD02

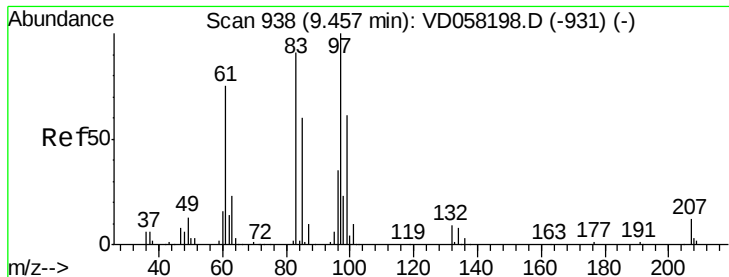
Tot Ion: 75 Resp: 210007
Ion Ratio Lower Upper
75 100
77 33.3 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 20.615 ug/l
RT: 8.37 min Scan# 827
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Tgt Ion: 75 Resp: 248156
Ion Ratio Lower Upper
75 100
77 32.1 26.5 39.7
39 65.0 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 20.968 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD02

Tot Ion: 97 Resp: 118996

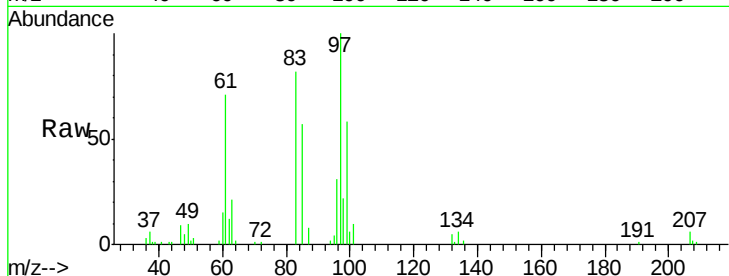
Ion Ratio Lower Upper

97 100

83 81.8 72.9 109.3

85 56.6 48.2 72.4

99 57.7 48.9 73.3

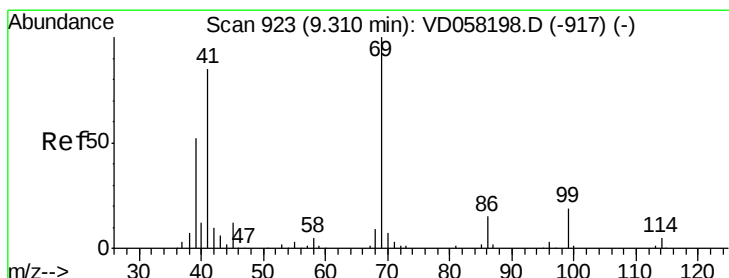
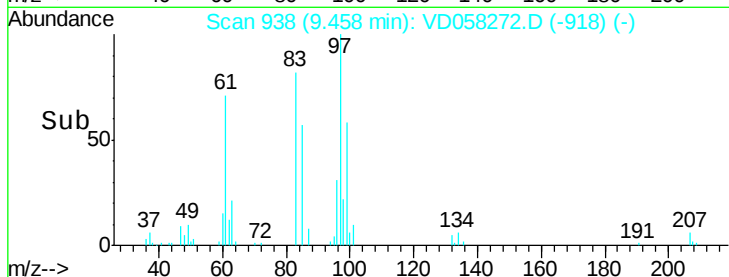
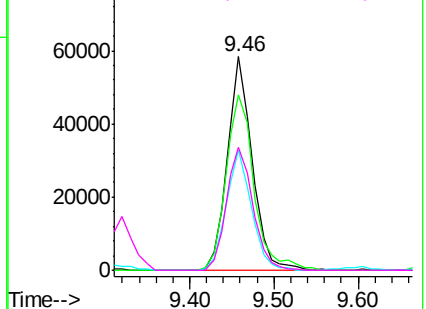


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.975 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

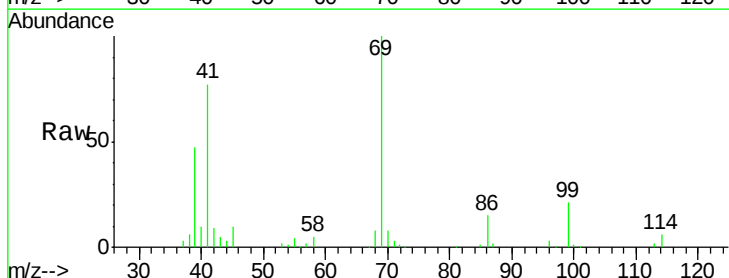
Tgt Ion: 69 Resp: 142359

Ion Ratio Lower Upper

69 100

41 77.4 67.6 101.4

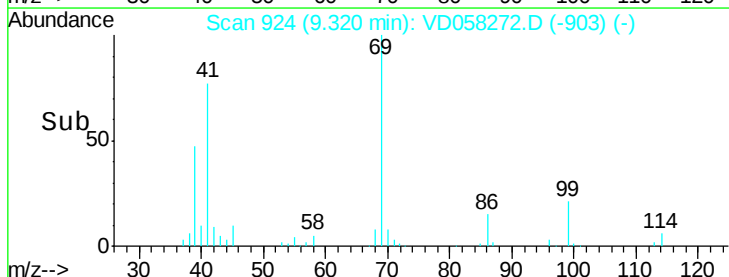
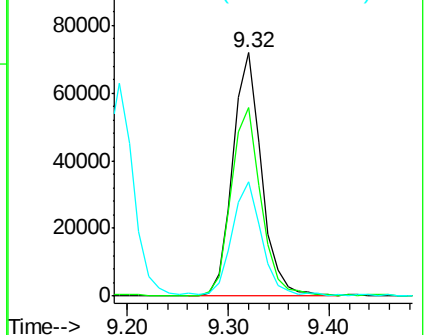
39 47.0 42.2 63.2

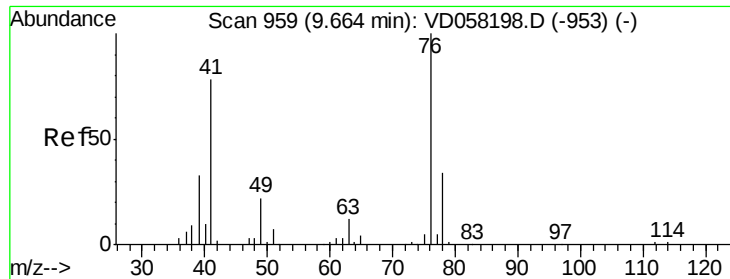


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.566 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

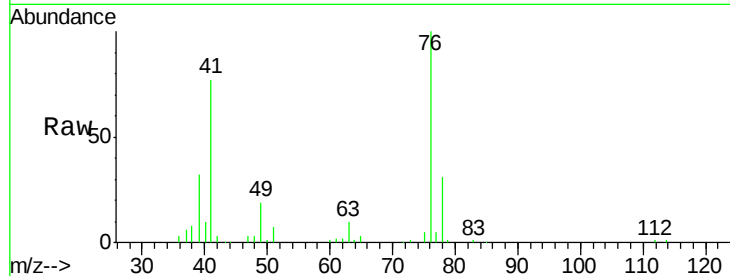
VD0621SBSD02

Tot Ion: 76 Resp: 206159

Ion Ratio Lower Upper

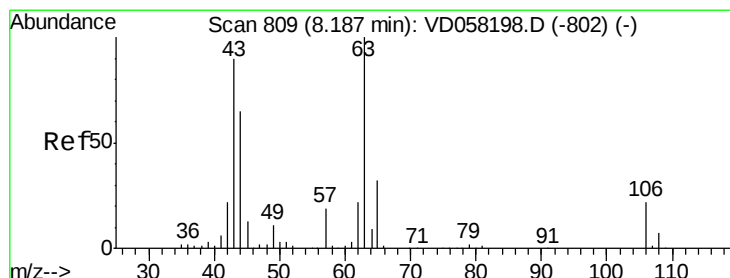
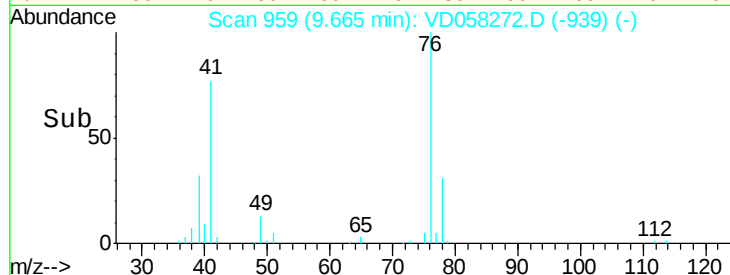
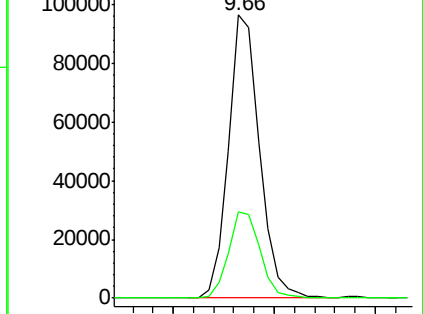
76 100

78 30.6 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: 111.931 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058272.D

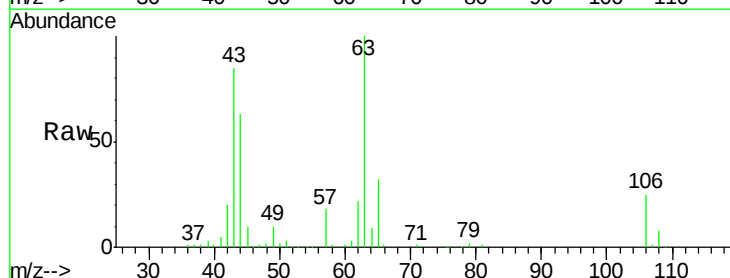
Acq: 22 Jun 2018 2:27

Tgt Ion: 63 Resp: 376086

Ion Ratio Lower Upper

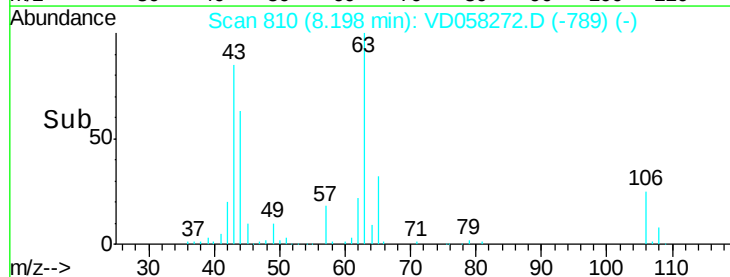
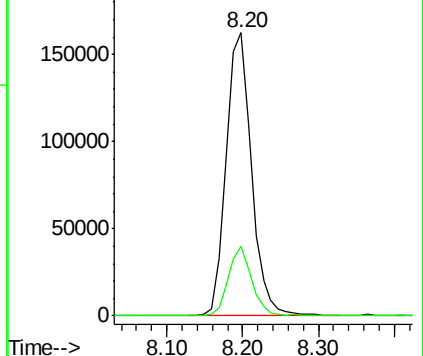
63 100

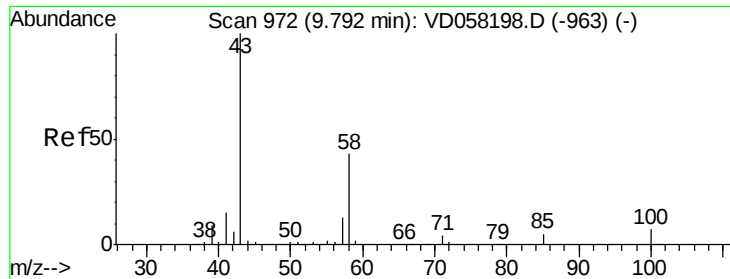
106 24.8 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

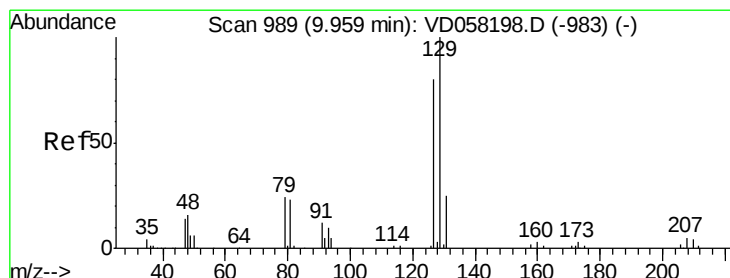
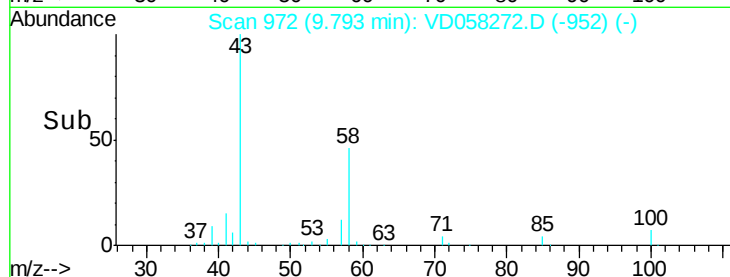
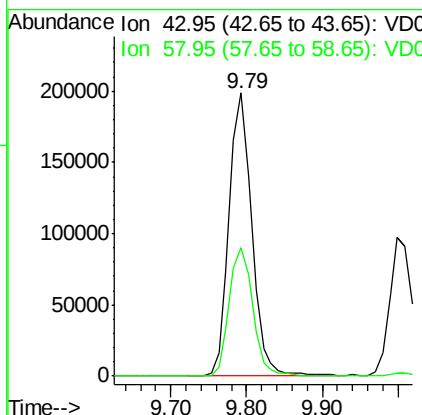
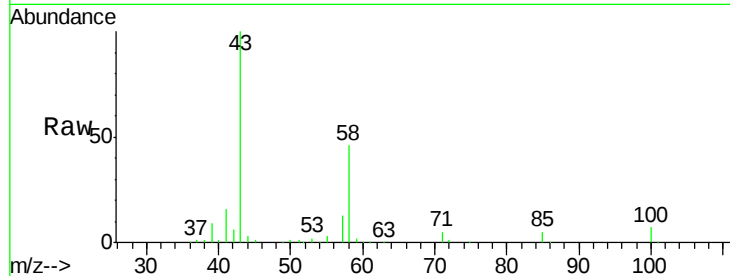




#59
2-Hexanone
Concen: 97.906 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

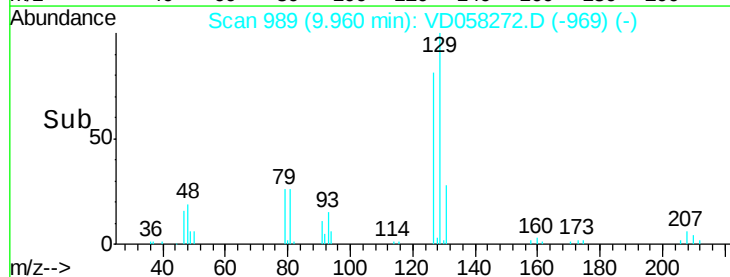
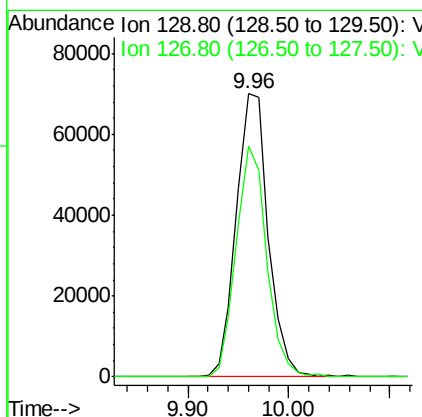
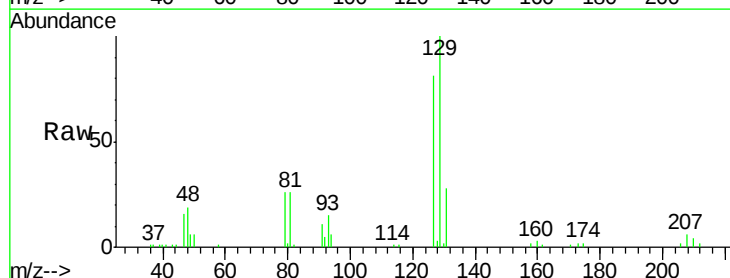
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD02

Tot Ion: 43 Resp: 414520
Ion Ratio Lower Upper
43 100
58 45.6 21.7 65.1



#60
Dibromochloromethane
Concen: 20.130 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Tgt Ion: 129 Resp: 155037
Ion Ratio Lower Upper
129 100
127 81.4 39.8 119.4





#61

1,2-Dibromoethane

Concen: 21.483 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

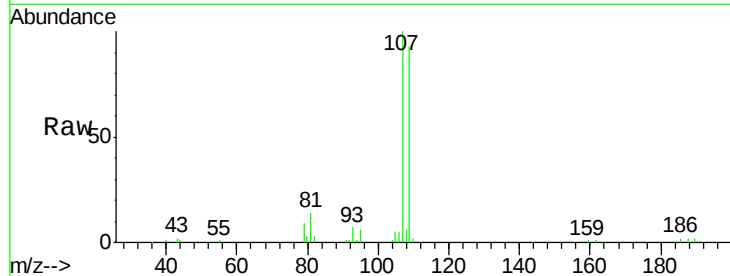
VD0621SBSD02

Tot Ion: 107 Resp: 133442

Ion Ratio Lower Upper

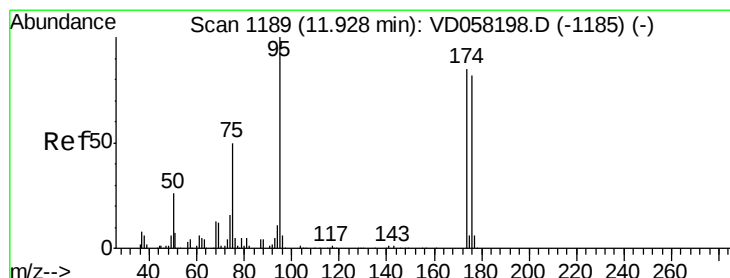
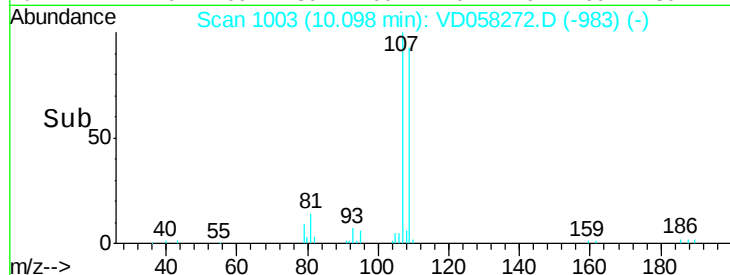
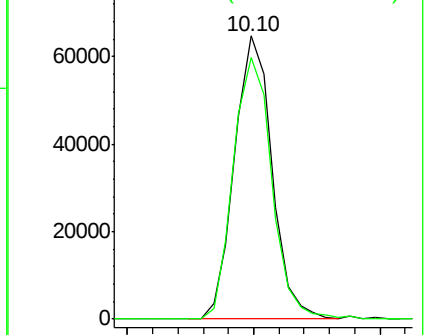
107 100

109 92.6 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: 21.483 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

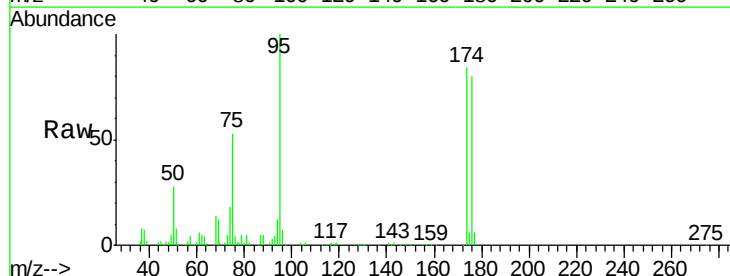
Tgt Ion: 95 Resp: 470182

Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.2

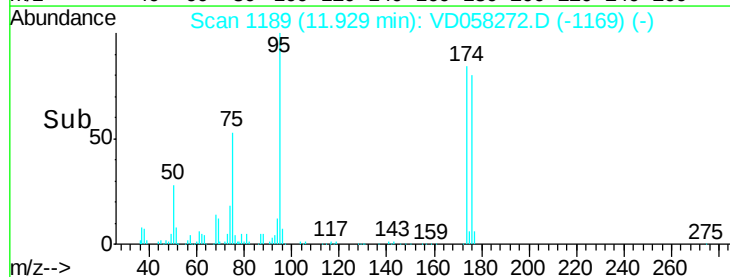
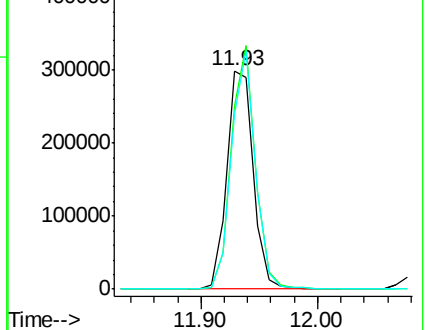
176 80.2 0.0 164.6

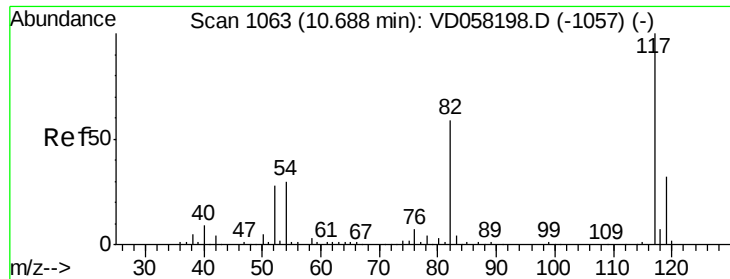


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

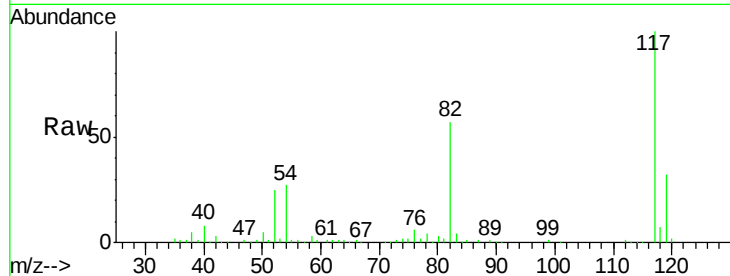




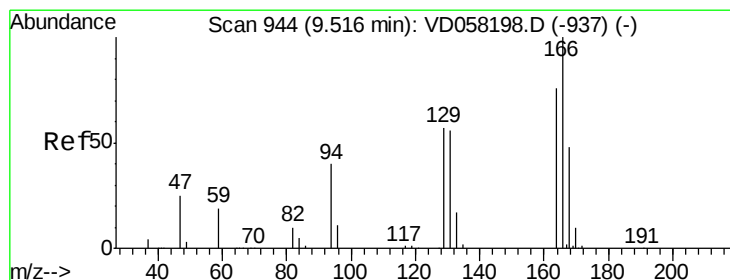
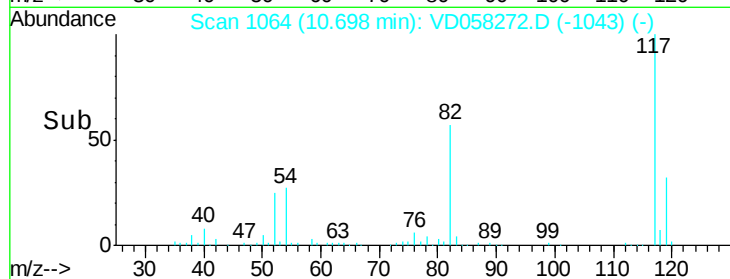
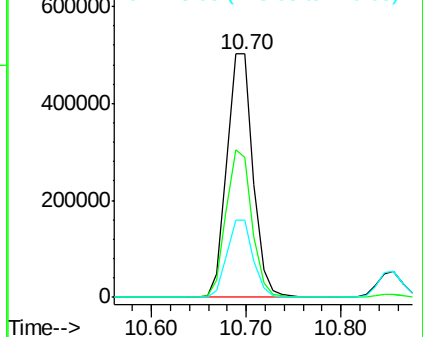
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD02

Tot Ion:117 Resp: 966372
Ion Ratio Lower Upper
117 100
82 57.4 47.0 70.6
119 31.8 25.3 37.9

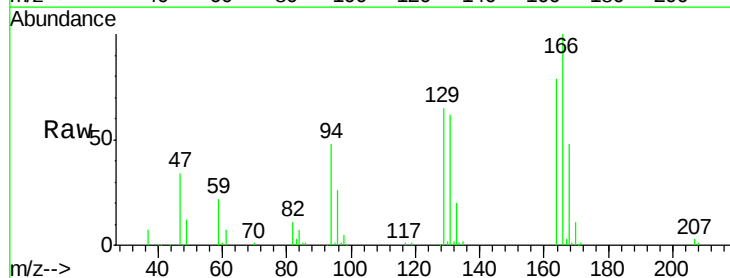


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

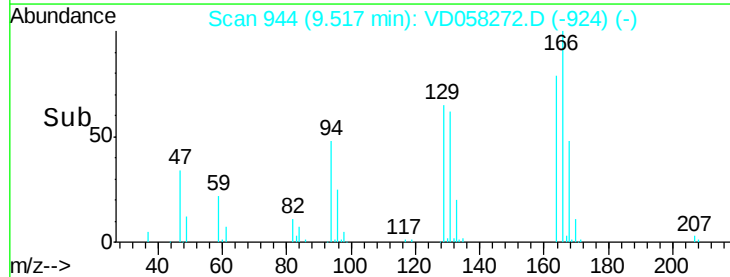
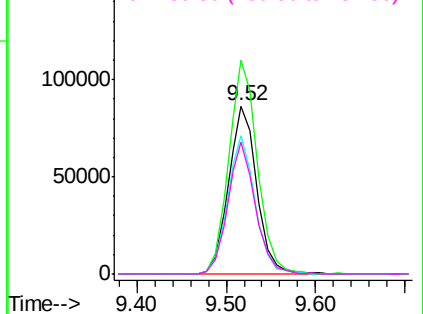


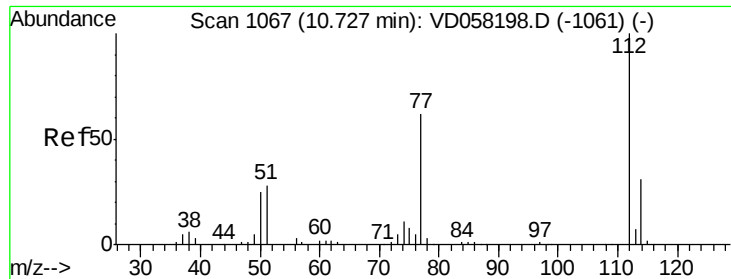
#64
Tetrachloroethene
Concen: 23.468 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Tgt Ion:164 Resp: 190824
Ion Ratio Lower Upper
164 100
166 127.0 105.4 158.0
129 82.0 59.6 89.4
131 78.5 59.4 89.2



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

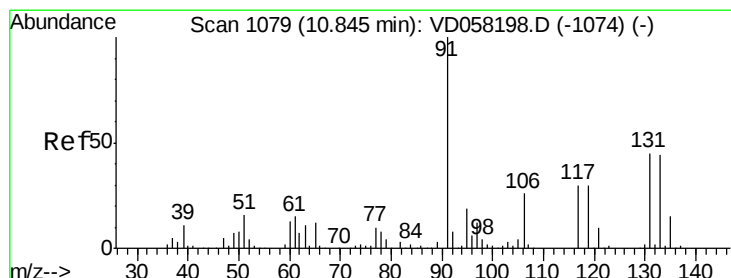
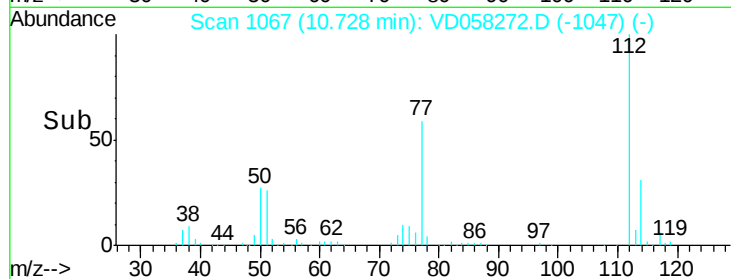
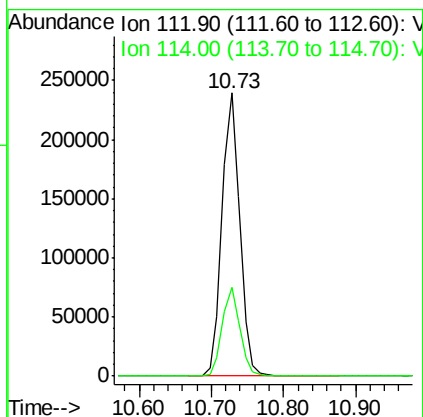
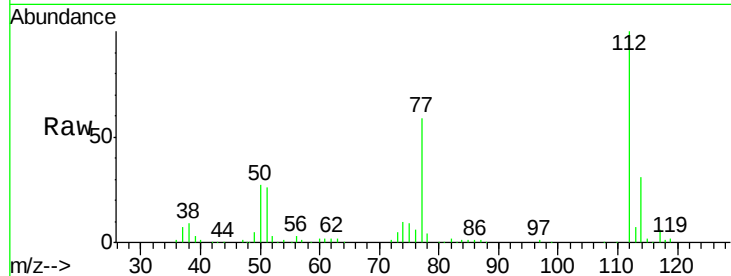




#65
Chlorobenzene
Concen: 22.605 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

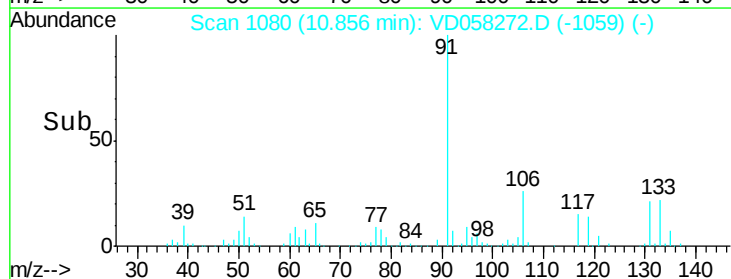
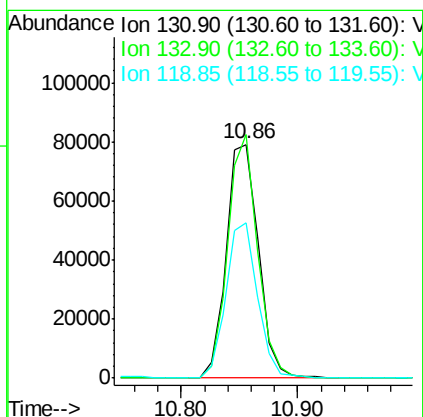
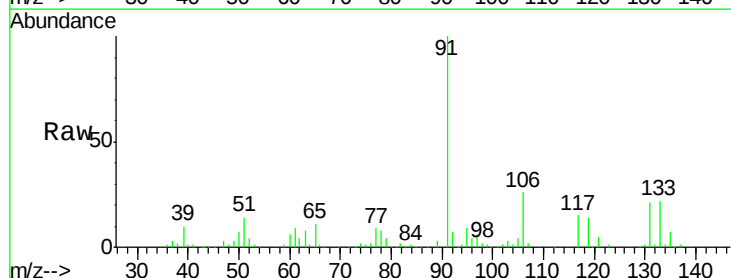
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD02

Tot Ion:112 Resp: 408613
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.659 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Tgt Ion:131 Resp: 151093
Ion Ratio Lower Upper
131 100
133 104.2 48.6 145.9
119 66.3 33.0 99.0

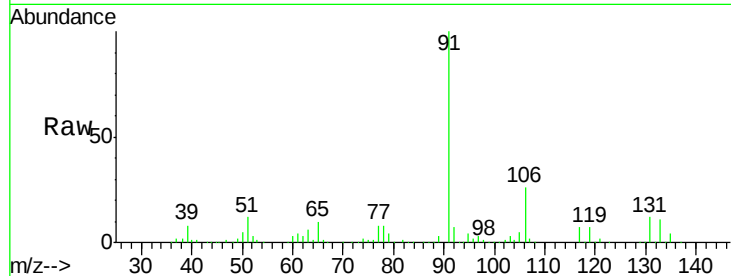




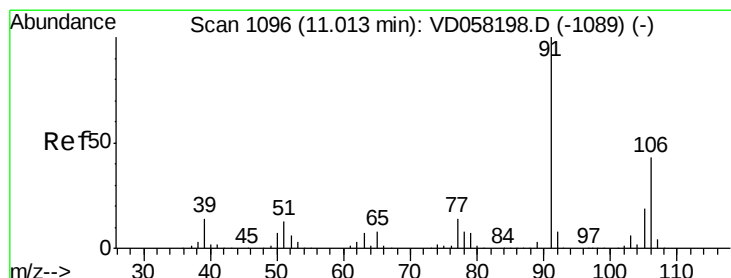
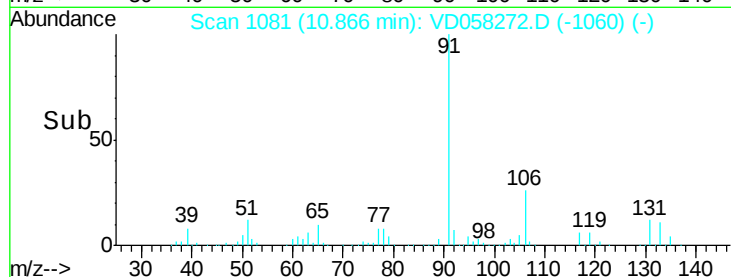
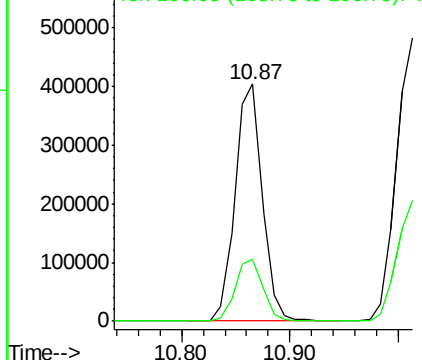
#67
Ethyl Benzene
Concen: 22.088 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

Tot Ion: 91 Resp: 704878
Ion Ratio Lower Upper
91 100
106 26.1 22.0 33.0

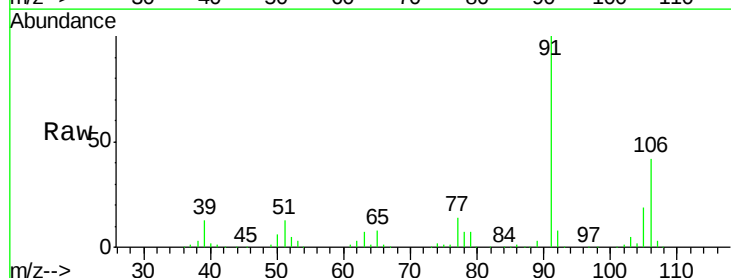


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

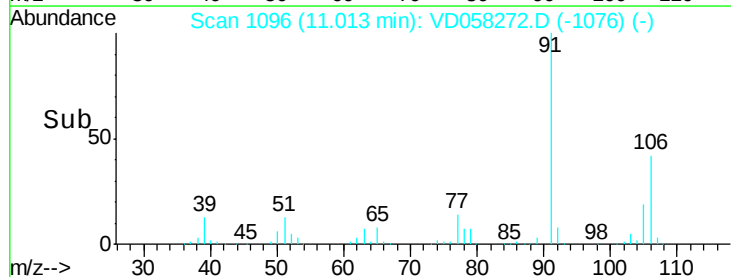
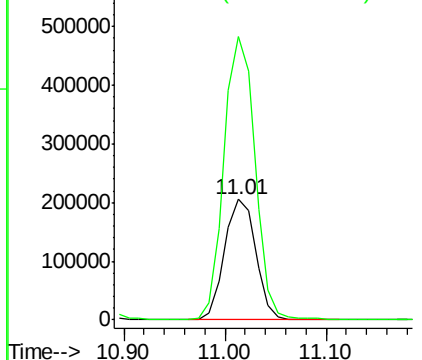


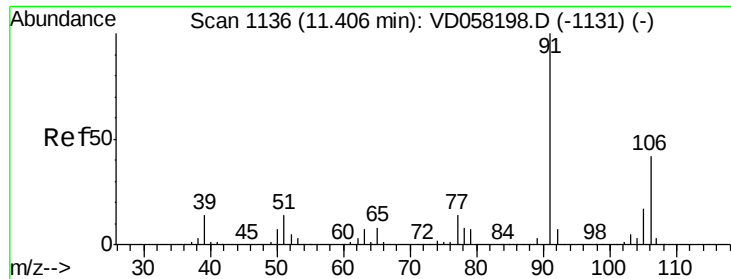
#68
m/p-Xylenes
Concen: 41.791 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Tgt Ion: 106 Resp: 444750
Ion Ratio Lower Upper
106 100
91 235.4 185.0 277.6



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

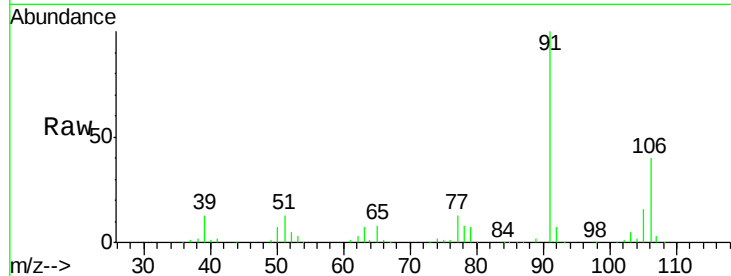




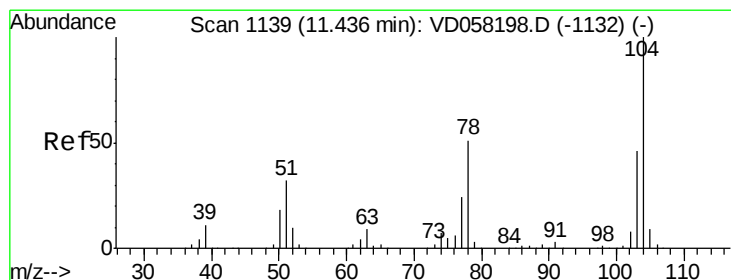
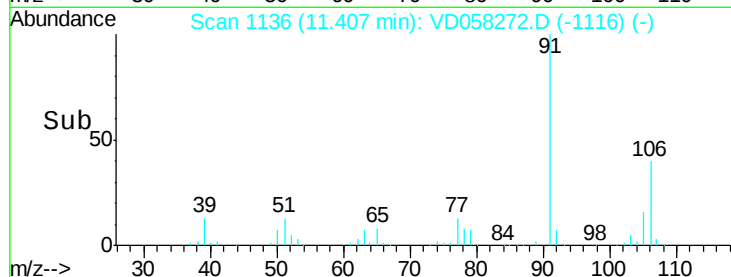
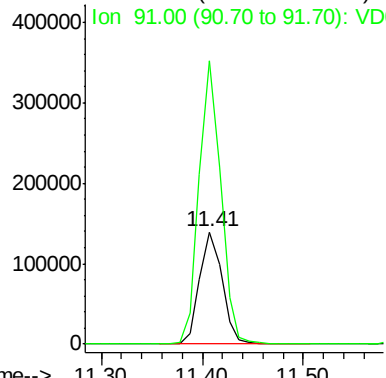
#69
o-Xylene
Concen: 21.409 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD02

Tot Ion:106 Resp: 217612
Ion Ratio Lower Upper
106 100
91 253.1 120.2 360.6

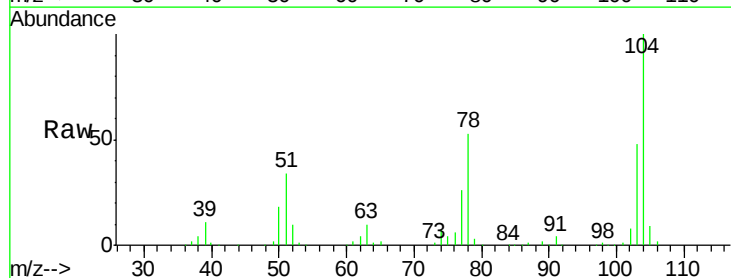


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

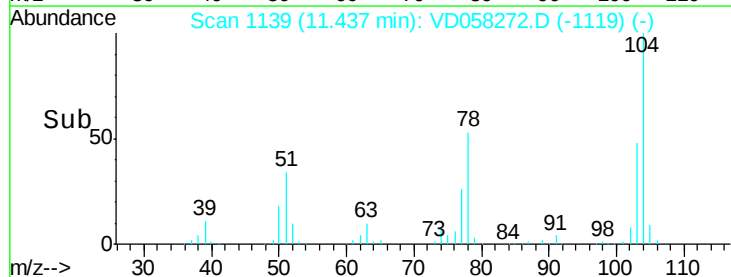
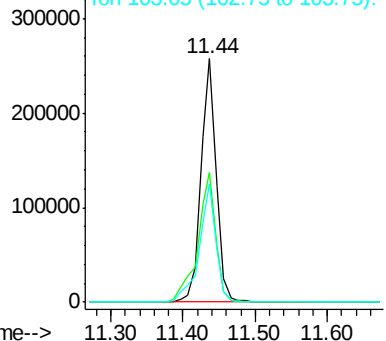


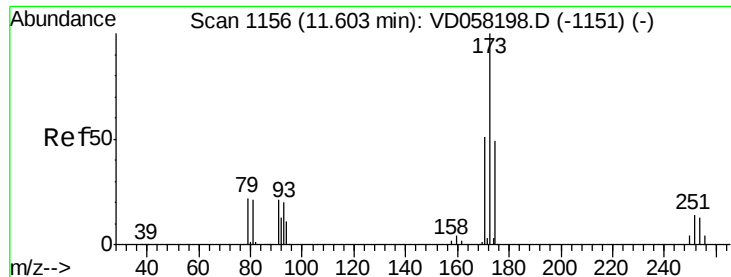
#70
Styrene
Concen: 21.821 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Tgt Ion:104 Resp: 378480
Ion Ratio Lower Upper
104 100
78 53.2 40.8 61.2
103 48.4 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: 19.493 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

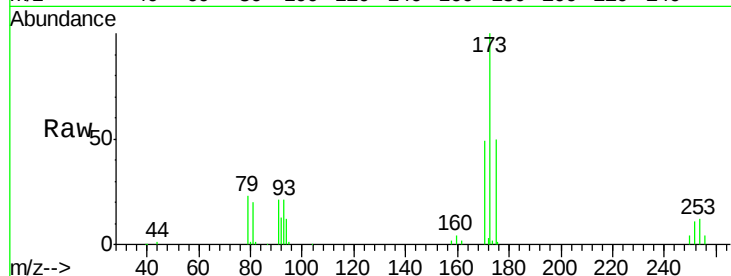
Tot Ion:173 Resp: 108476

Ion Ratio Lower Upper

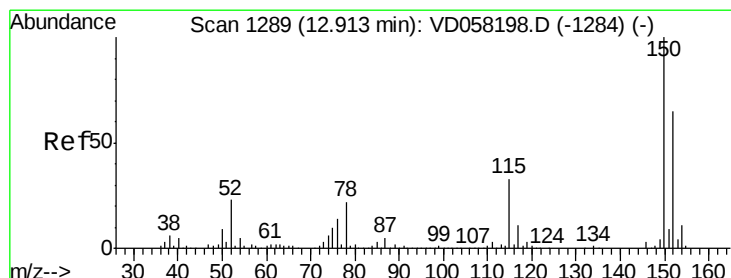
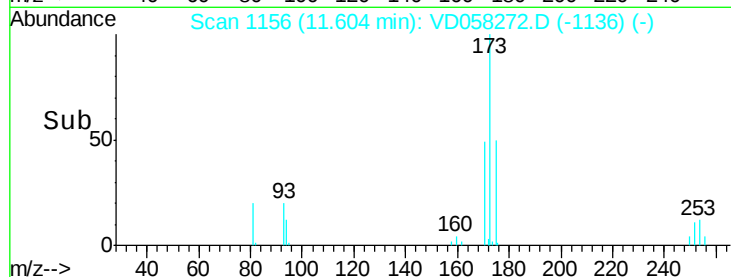
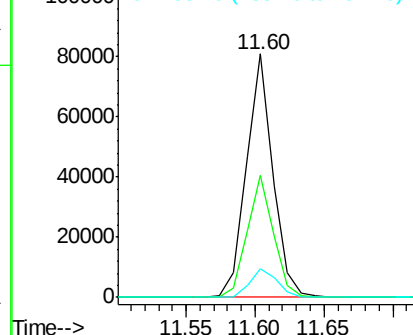
173 100

175 50.0 24.6 74.0

254 12.0 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: VD058272.D

Acq: 22 Jun 2018 2:27

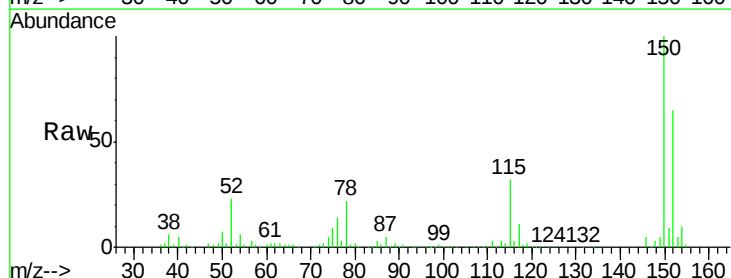
Tgt Ion:152 Resp: 490327

Ion Ratio Lower Upper

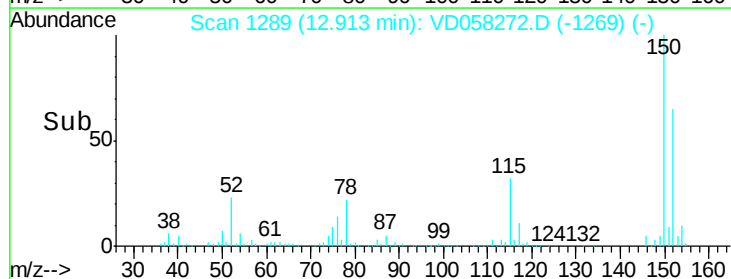
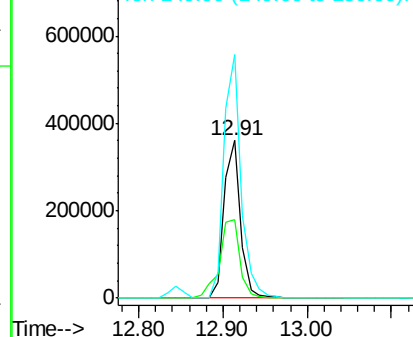
152 100

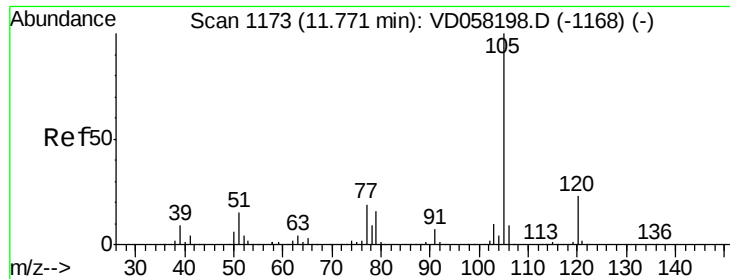
115 50.0 25.1 75.3

150 154.8 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: 22.617 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

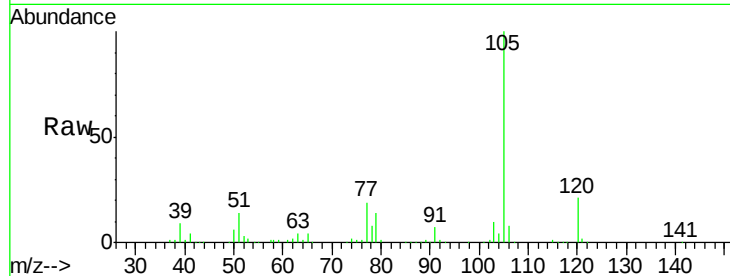
VD0621SBS02

Tot Ion:105 Resp: 663330

Ion Ratio Lower Upper

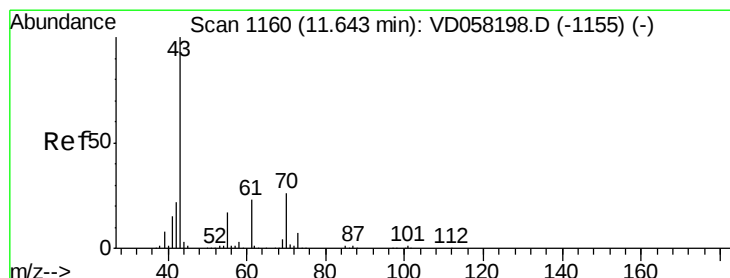
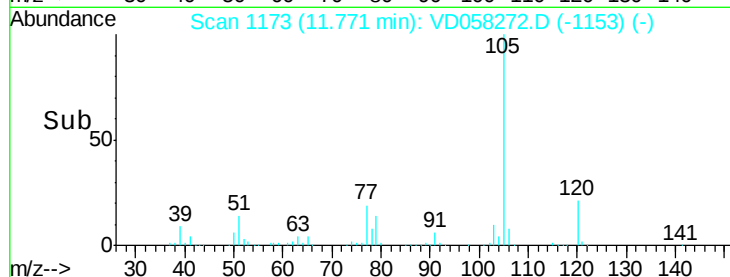
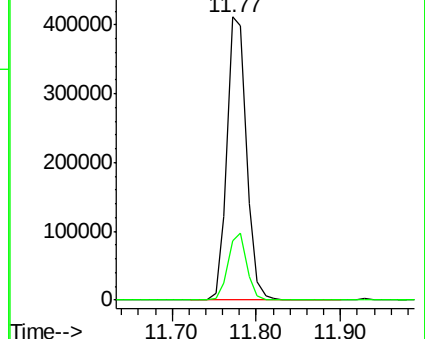
105 100

120 20.8 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: 20.566 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Tgt Ion: 43 Resp: 233218

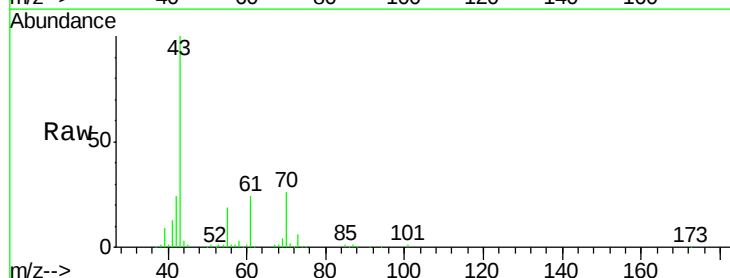
Ion Ratio Lower Upper

43 100

70 25.8 20.9 31.3

55 18.7 13.5 20.3

61 24.0 18.2 27.2

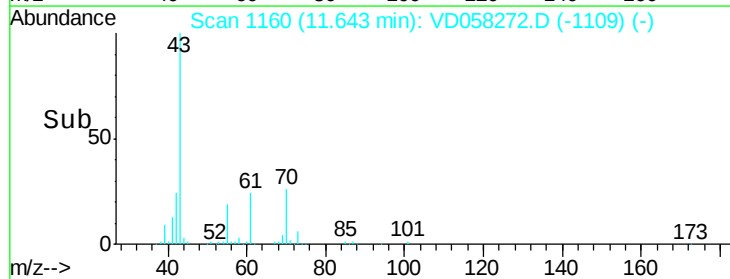
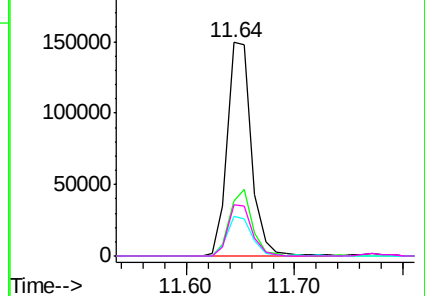


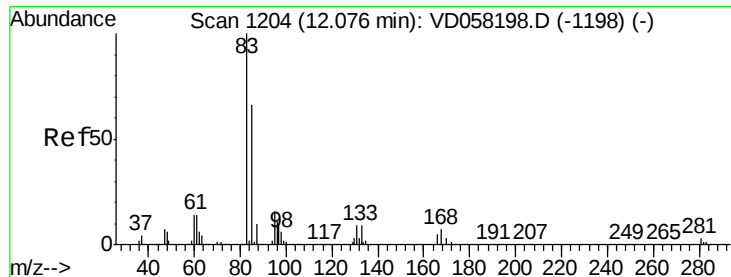
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.863 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

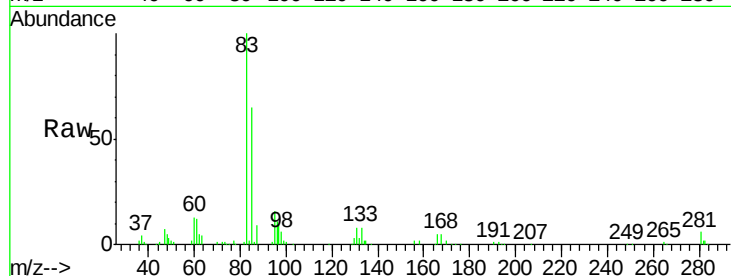
MSVOA_D

ClientSampleId :

VD0621SBS02

Tot Ion: 83 Resp: 156047

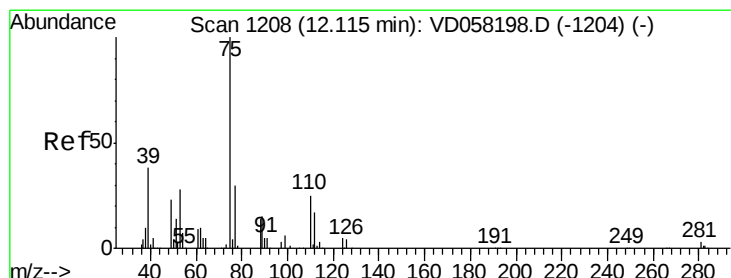
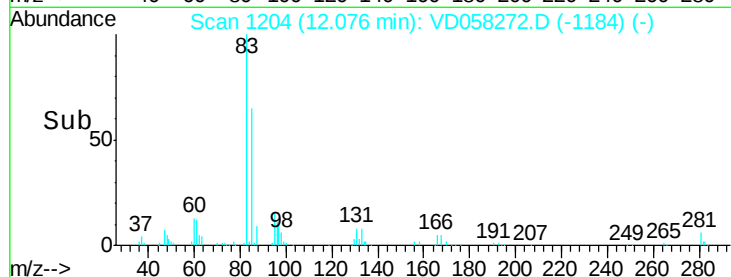
Ion	Ratio	Lower	Upper
83	100		
131	8.0	4.8	14.3
85	64.6	33.1	99.5



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: 19.836 ug/l

RT: 12.12 min Scan# 1208

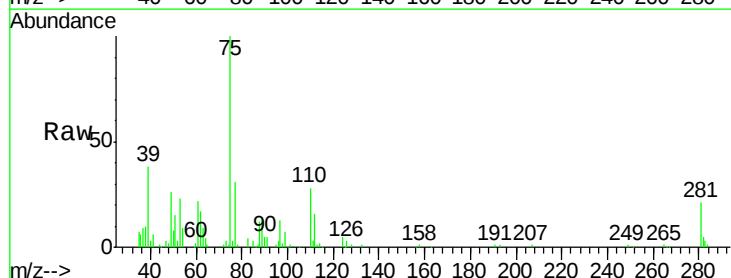
Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

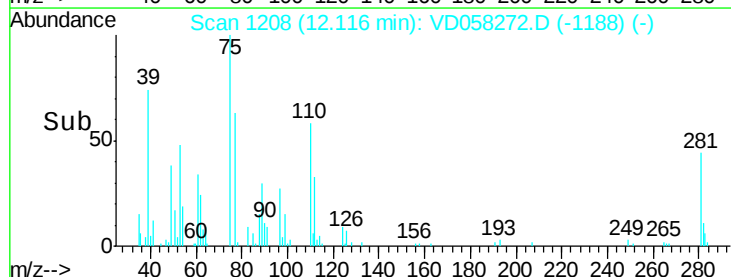
Tgt Ion: 75 Resp: 142001

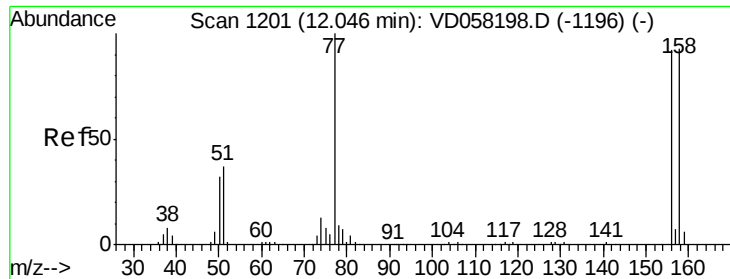
Ion	Ratio	Lower	Upper
75	100		
77	31.1	16.0	47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.622 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

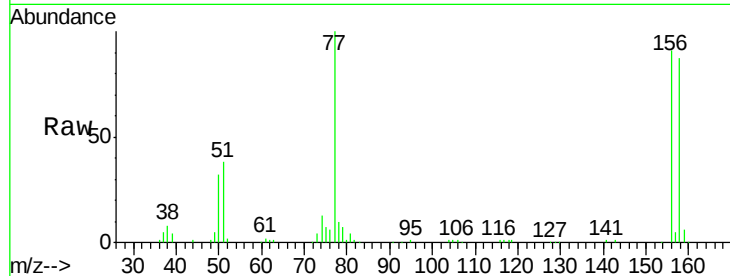
Tot Ion:156 Resp: 198673

Ion Ratio Lower Upper

156 100

77 109.9 54.5 163.6

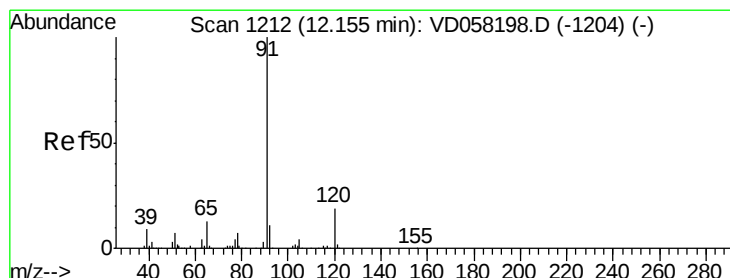
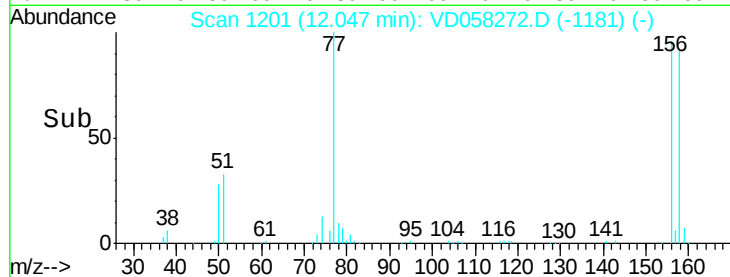
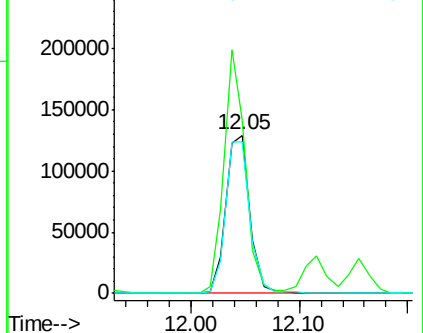
158 95.6 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.490 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058272.D

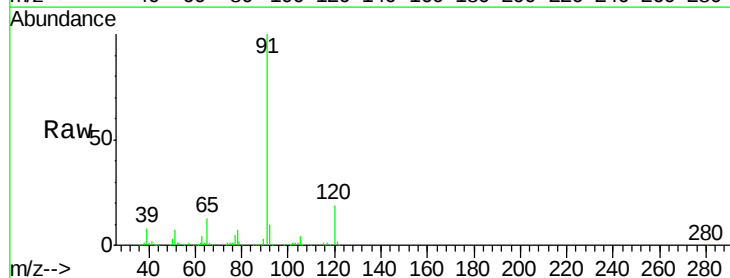
Acq: 22 Jun 2018 2:27

Tgt Ion: 91 Resp: 851813

Ion Ratio Lower Upper

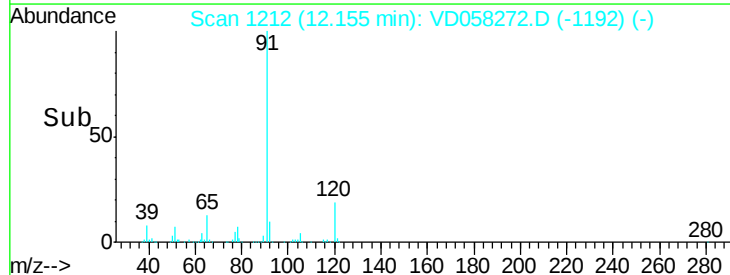
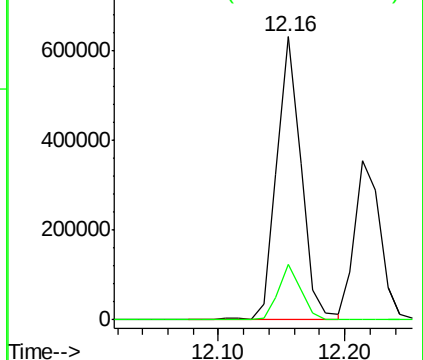
91 100

120 19.4 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

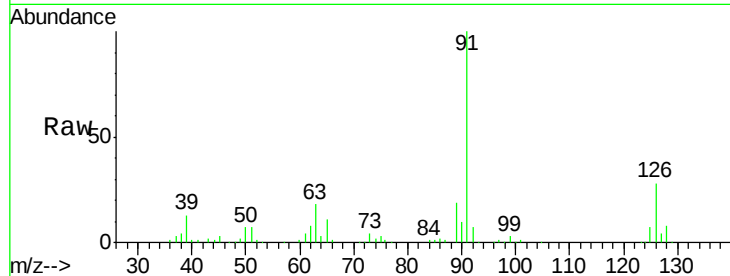




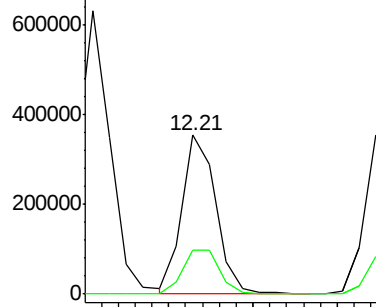
#79
 2-Chlorotoluene
 Concen: 22.688 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD02

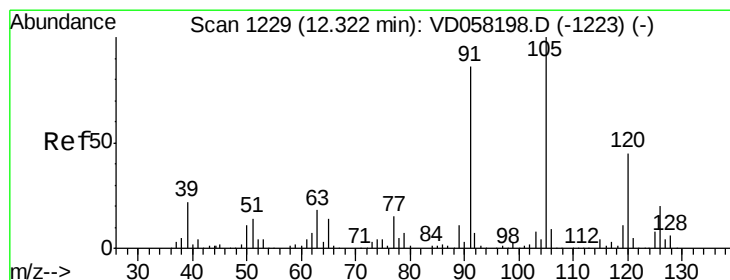
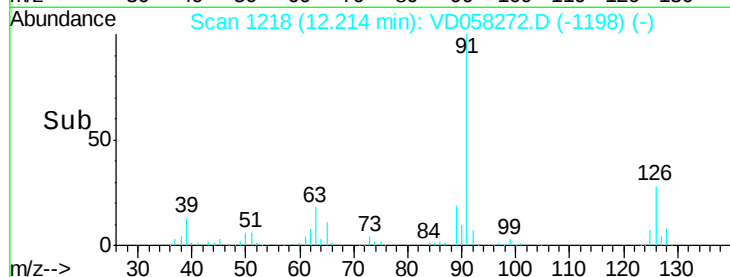
Tot Ion: 91 Resp: 491738
 Ion Ratio Lower Upper
 91 100
 126 27.6 14.9 44.5



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

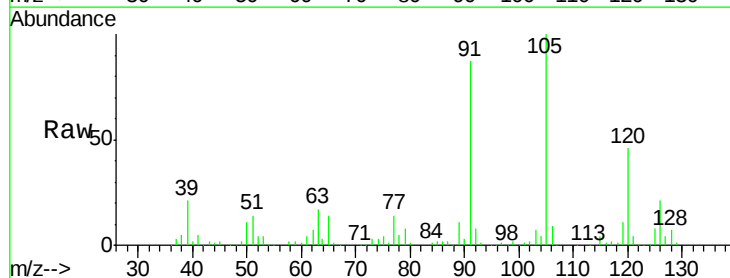


Time-->

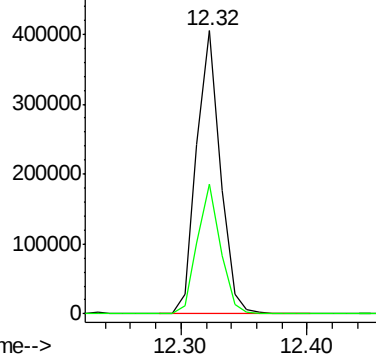


#80
 1,3,5-Trimethylbenzene
 Concen: 22.982 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

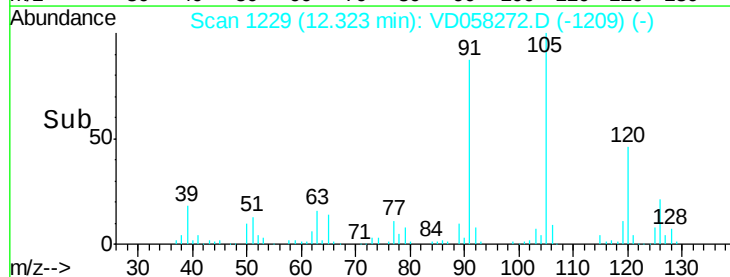
Tgt Ion: 105 Resp: 525734
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.5 67.5

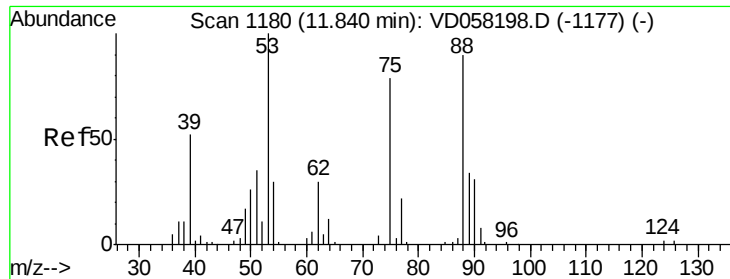


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.749 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD02

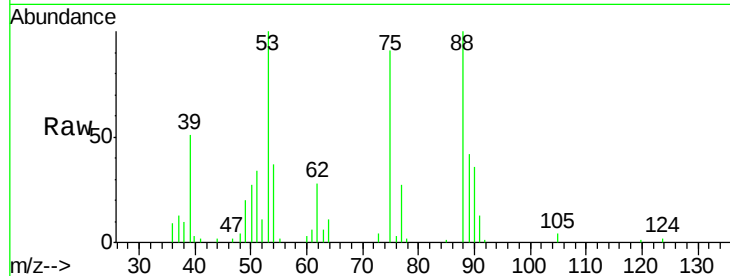
Tot Ion: 75 Resp: 30990

Ion Ratio Lower Upper

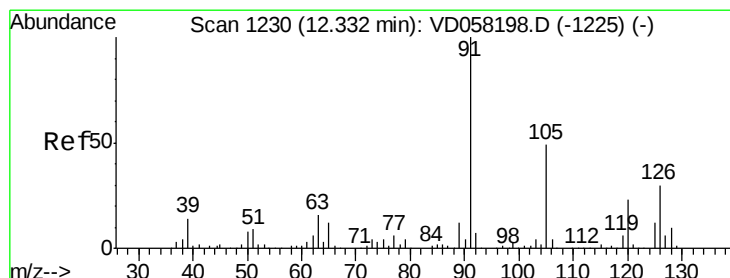
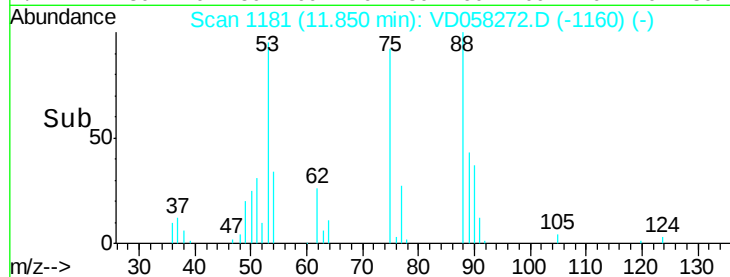
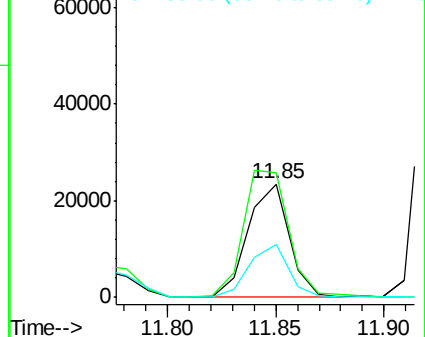
75 100

53 109.5 100.8 151.2

89 46.4 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: 22.852 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058272.D

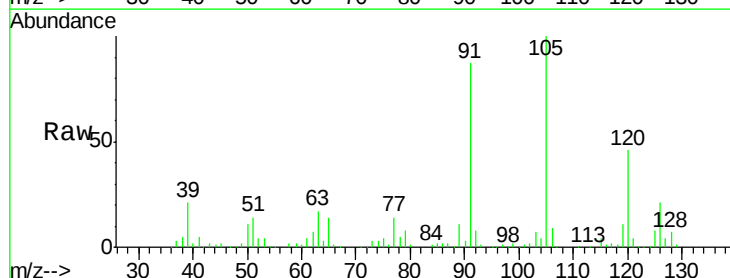
Acq: 22 Jun 2018 2:27

Tgt Ion: 91 Resp: 545061

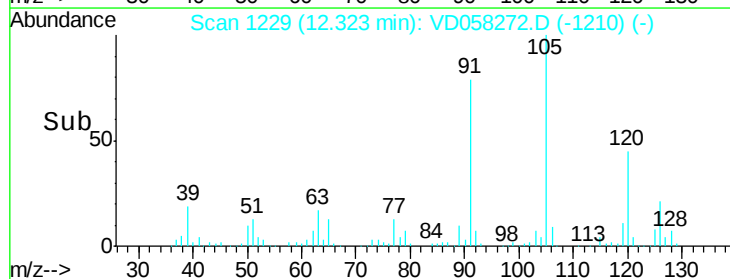
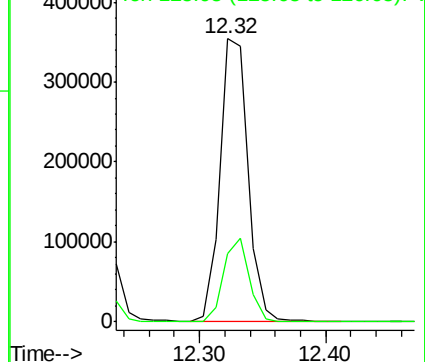
Ion Ratio Lower Upper

91 100

126 24.0 14.9 44.9



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

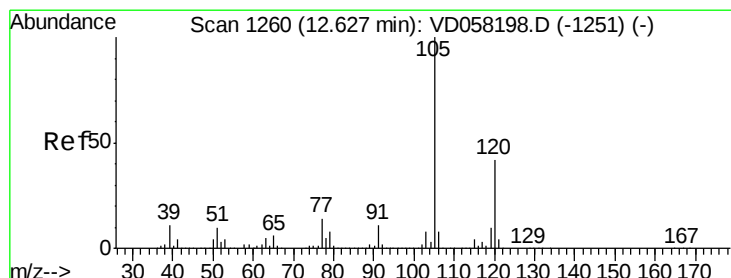
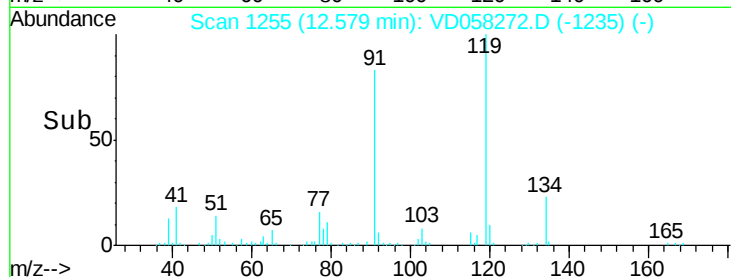
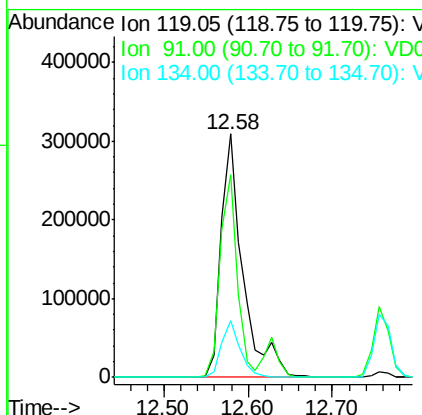
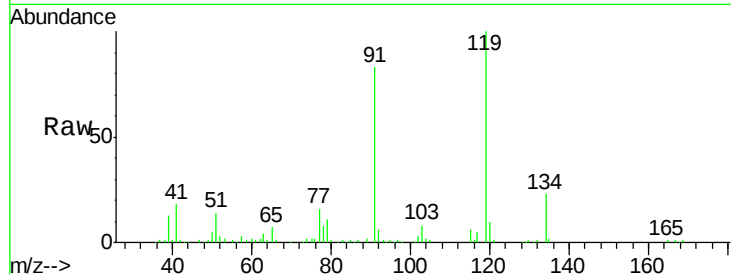




#83
 tert-Butylbenzene
 Concen: 21.186 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

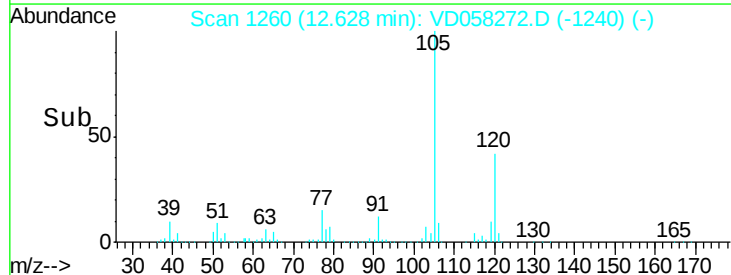
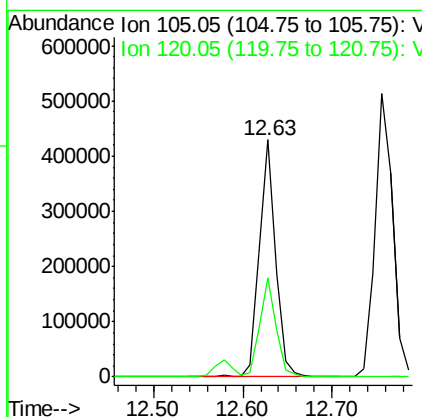
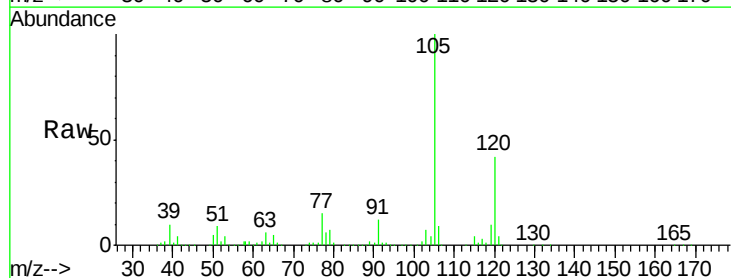
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0621SBS02

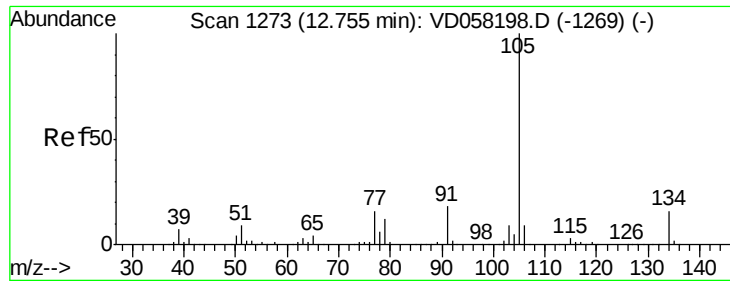
Tot Ion:119 Resp: 557179
 Ion Ratio Lower Upper
 119 100
 91 83.2 38.9 116.6
 134 23.5 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.680 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Tgt Ion:105 Resp: 539098
 Ion Ratio Lower Upper
 105 100
 120 41.9 20.8 62.4





#85

sec-Butylbenzene

Concen: 22.416 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

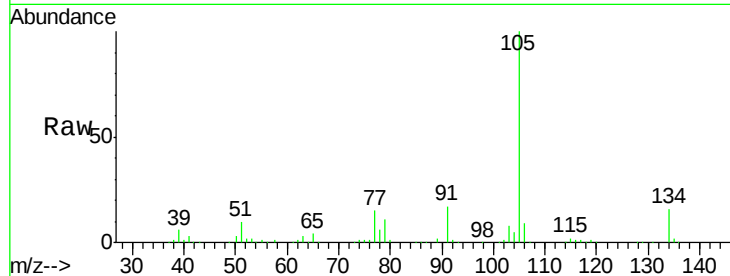
VD0621SBSD02

Tot Ion:105 Resp: 691031

Ion Ratio Lower Upper

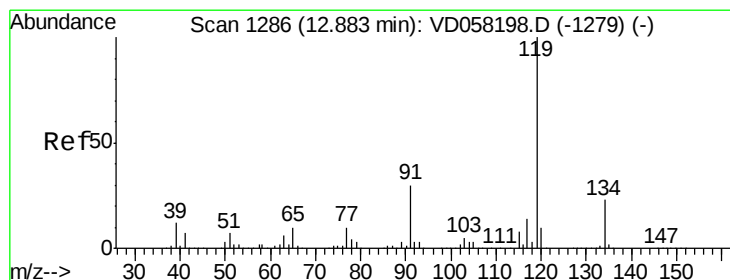
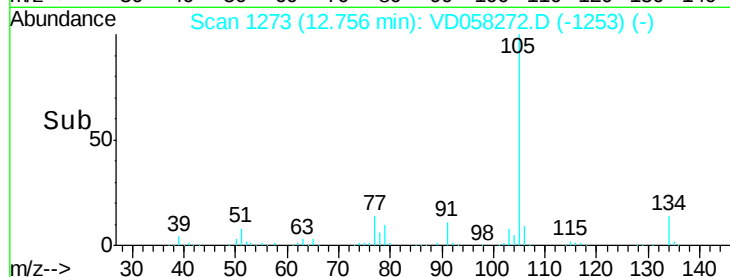
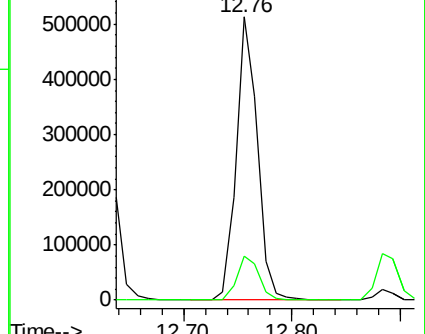
105 100

134 15.7 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: 20.966 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

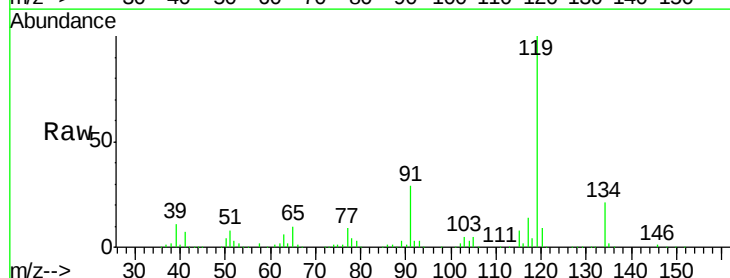
Tgt Ion:119 Resp: 523760

Ion Ratio Lower Upper

119 100

134 21.3 11.6 34.8

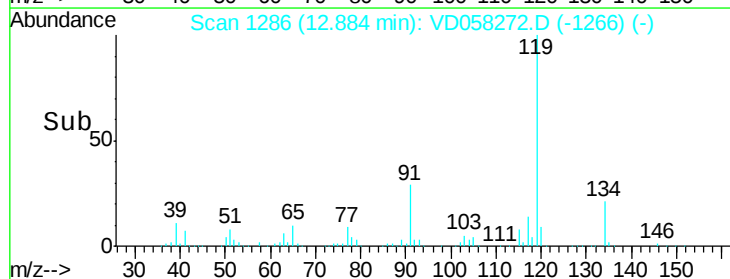
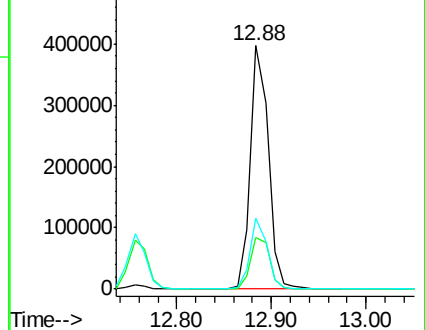
91 29.1 15.0 45.1

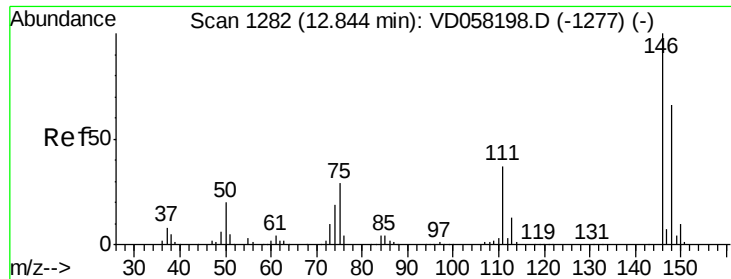


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

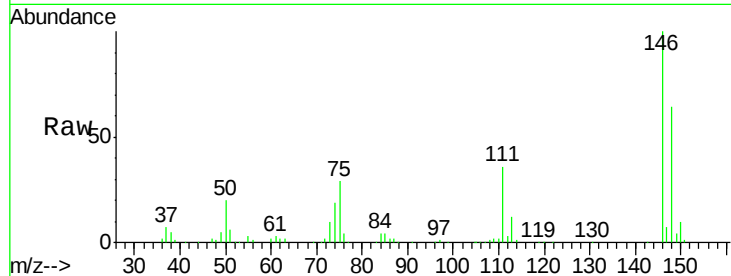




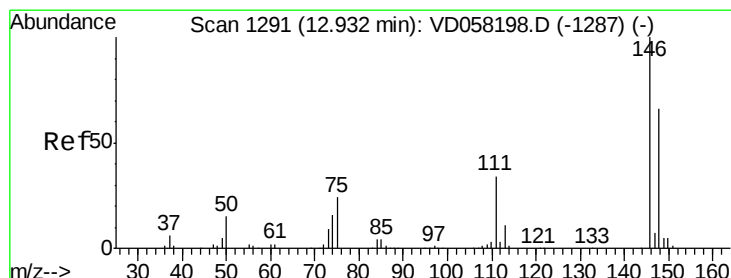
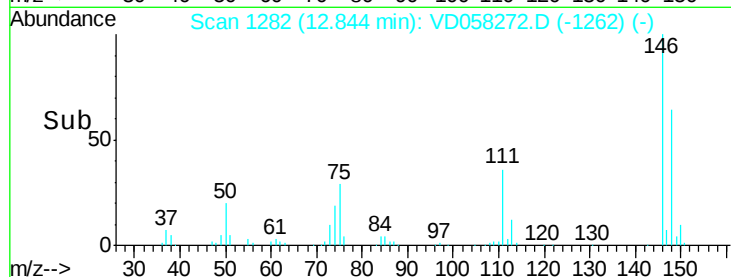
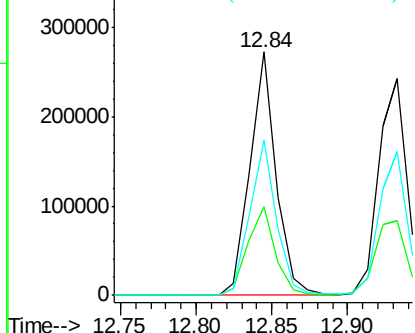
#87
 1,3-Dichlorobenzene
 Concen: 21.490 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD02

Tot Ion:146 Resp: 328038
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.4 55.0
 148 63.8 32.8 98.4

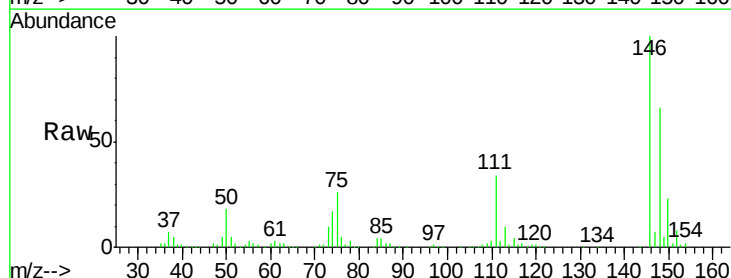


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

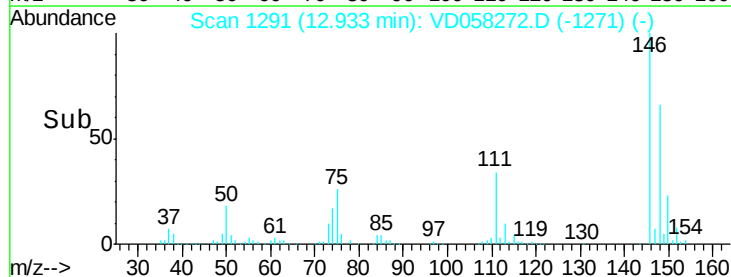
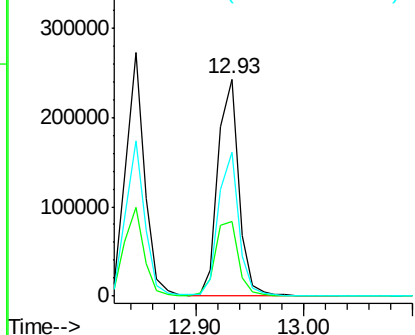


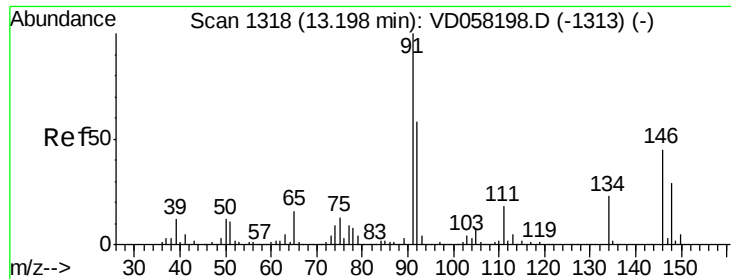
#88
 1,4-Dichlorobenzene
 Concen: 21.934 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Tgt Ion:146 Resp: 326954
 Ion Ratio Lower Upper
 146 100
 111 34.4 17.2 51.5
 148 66.4 33.1 99.3



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

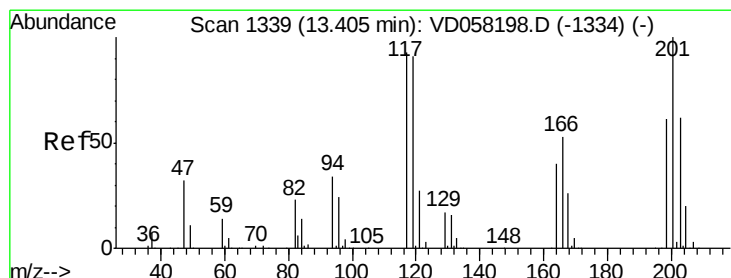
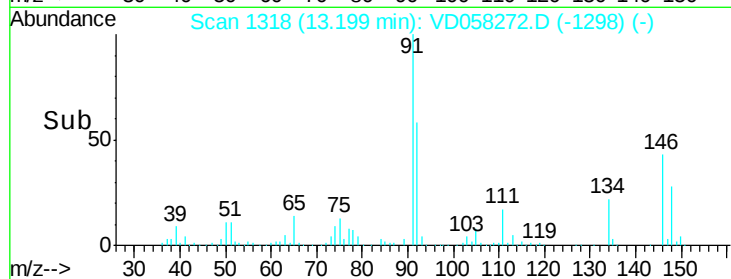
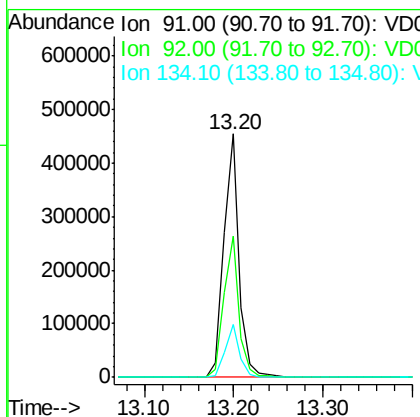
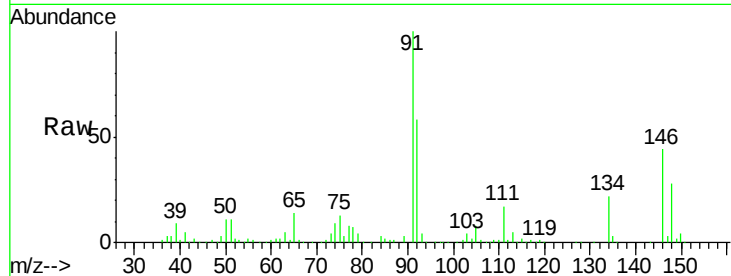




#89
n-Butylbenzene
Concen: 20.942 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

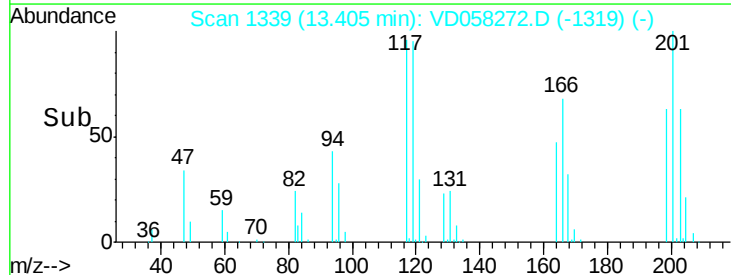
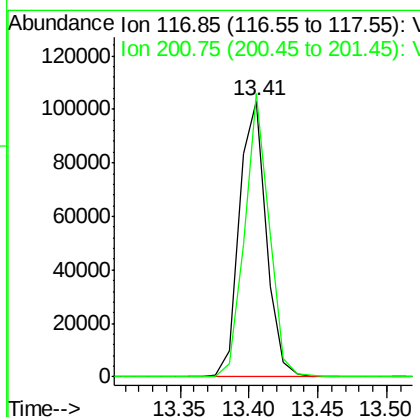
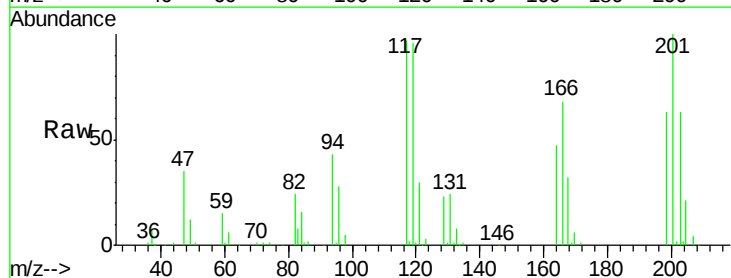
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

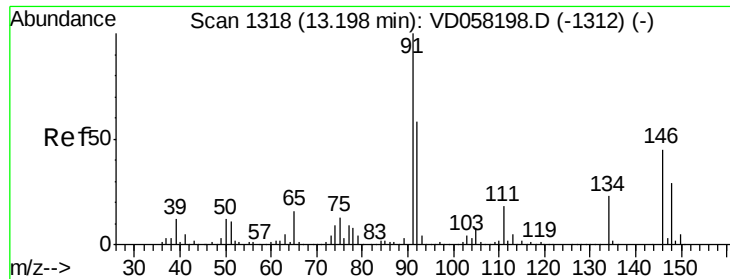
Tot Ion: 91 Resp: 549847
Ion Ratio Lower Upper
91 100
92 57.9 29.2 87.6
134 21.9 11.3 33.8



#90
Hexachloroethane
Concen: 21.620 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058272.D
Acq: 22 Jun 2018 2:27

Tgt Ion: 117 Resp: 140187
Ion Ratio Lower Upper
117 100
201 102.6 53.8 161.4

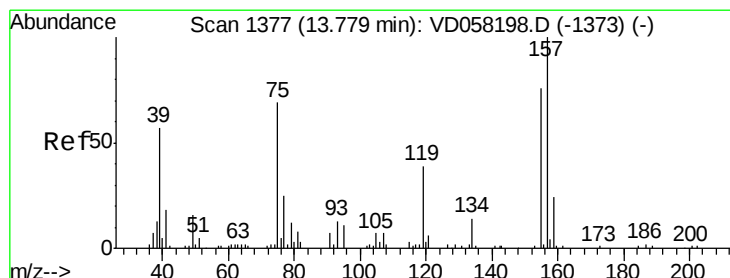
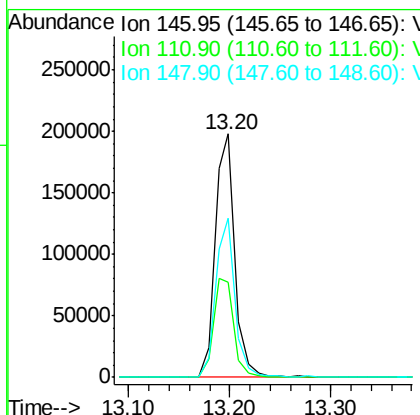
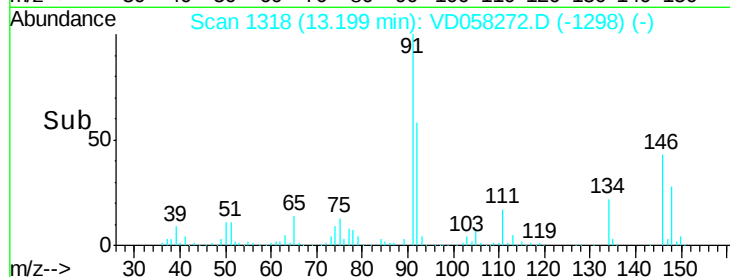
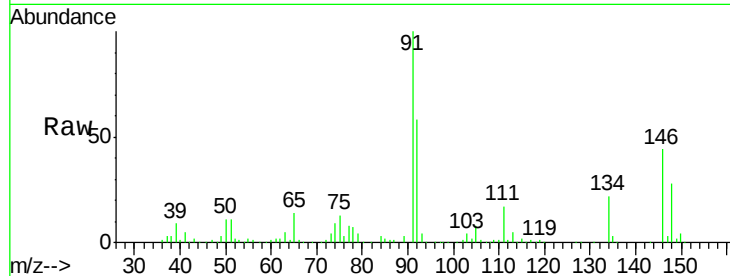




#91
 1,2-Dichlorobenzene
 Concen: 20.885 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

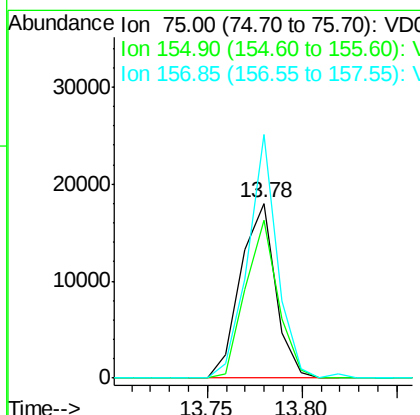
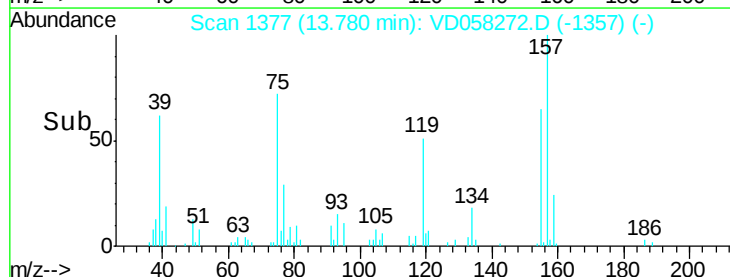
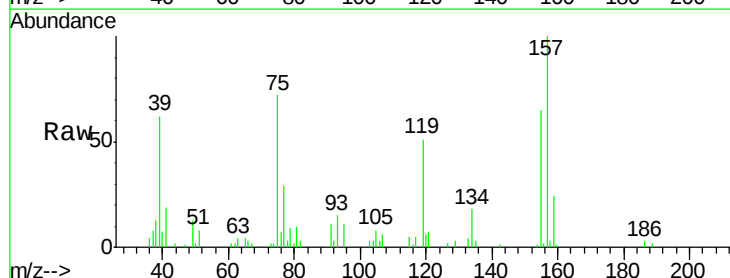
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD02

Tot Ion:146 Resp: 271306
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.7
 148 65.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.131 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Tgt Ion: 75 Resp: 22953
 Ion Ratio Lower Upper
 75 100
 155 90.5 54.5 163.5
 157 139.1 72.0 215.9

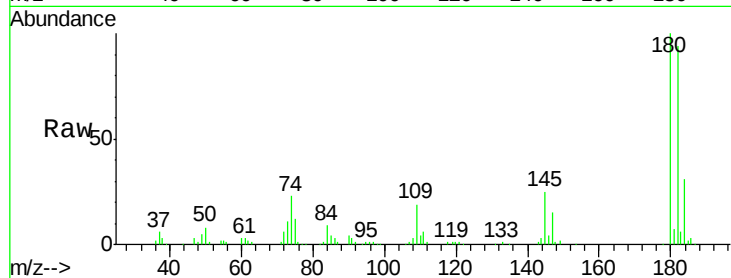




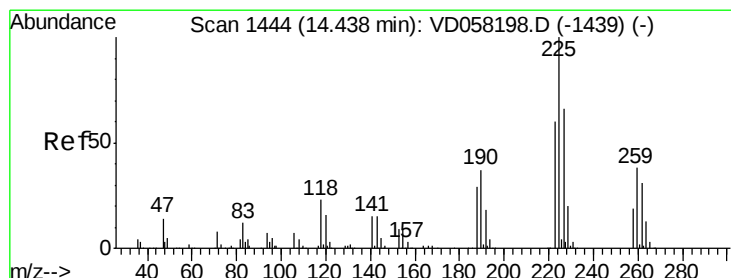
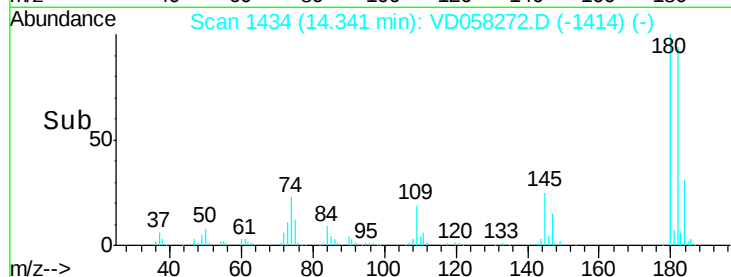
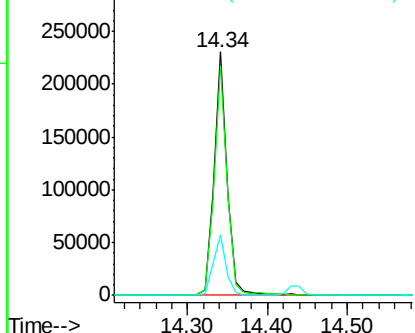
#93
 1,2,4-Trichlorobenzene
 Concen: 21.481 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD02

Tot Ion:180 Resp: 266885
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.1 141.3
 145 24.7 11.7 35.0

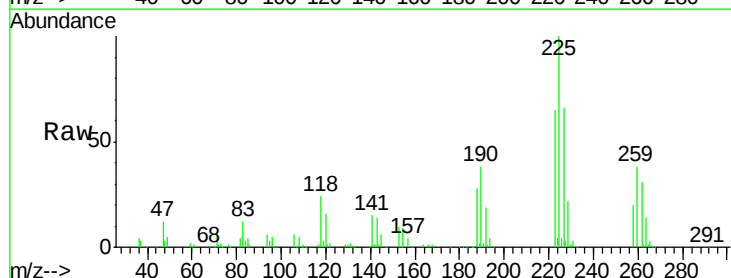


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

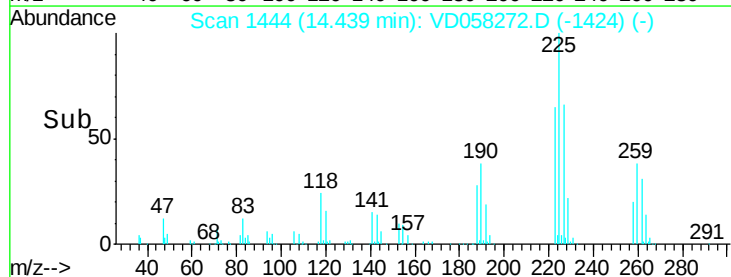
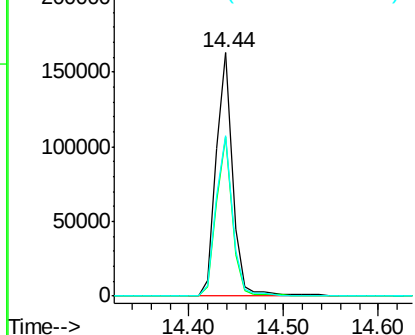


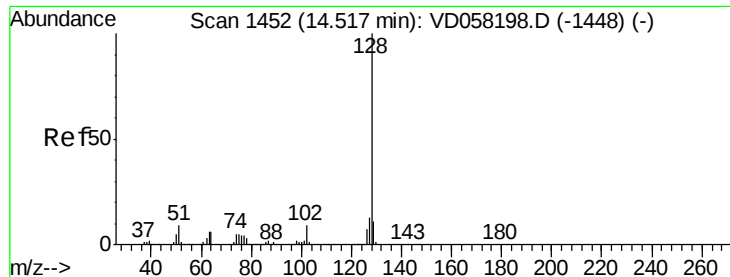
#94
 Hexachlorobutadiene
 Concen: 20.418 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058272.D
 Acq: 22 Jun 2018 2:27

Tgt Ion:225 Resp: 198418
 Ion Ratio Lower Upper
 225 100
 223 65.2 30.1 90.3
 227 66.1 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: 22.183 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD02

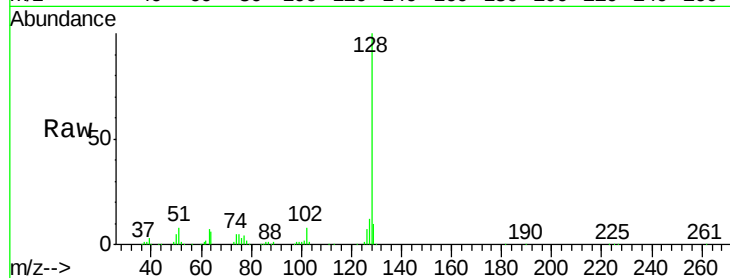
Tot Ion:128 Resp: 363031

Ion Ratio Lower Upper

128 100

127 12.2 10.0 15.0

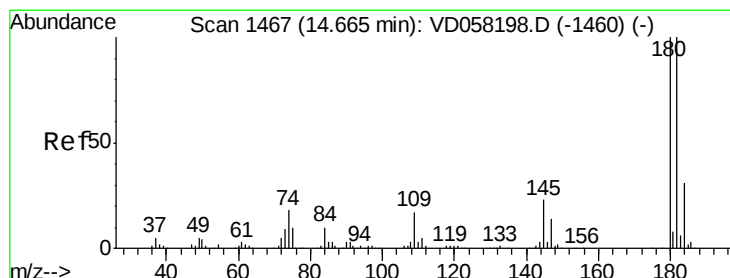
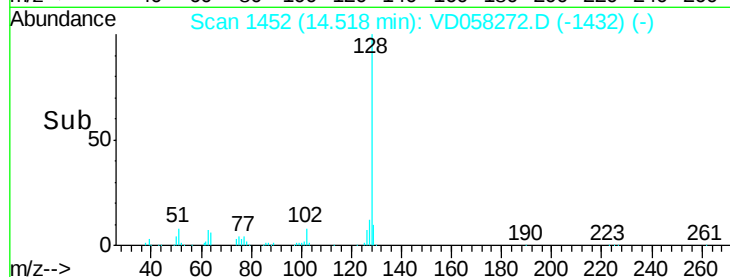
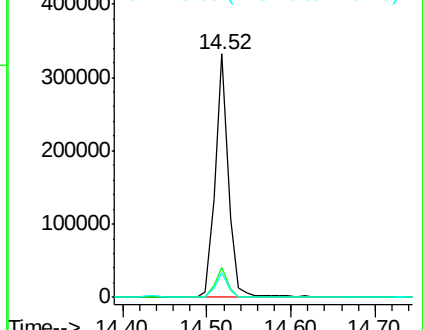
129 10.0 8.7 13.1



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: 20.626 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058272.D

Acq: 22 Jun 2018 2:27

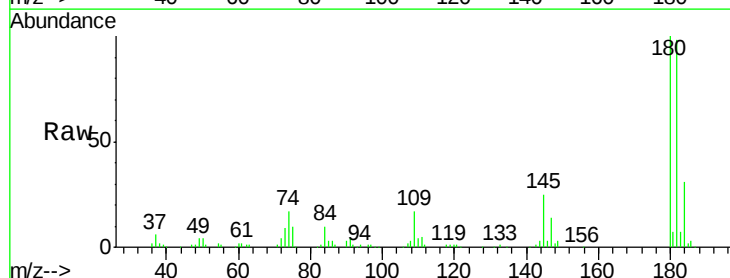
Tgt Ion:180 Resp: 224341

Ion Ratio Lower Upper

180 100

182 97.8 49.9 149.6

145 25.4 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

