

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058271.D
 Acq On : 22 Jun 2018 1:59
 Operator : VA/AP
 Sample : VD0621SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

Quant Time: Jun 22 06:18:55 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	925035	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1203928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	983789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	490146	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	520098	55.66	ug/l	0.01
Spiked Amount			Recovery	=	111.32%	
35) Dibromofluoromethane	5.56	113	523814	53.46	ug/l	0.01
Spiked Amount			Recovery	=	106.92%	
50) Toluene-d8	8.71	98	1230808	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.93	95	509115	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	240372	25.772	ug/l	97
3) Chloromethane	1.49	50	104722	23.645	ug/l	94
4) Vinyl Chloride	1.56	62	100573	20.755	ug/l	95
5) Bromomethane	1.80	94	34897	19.027	ug/l	90
6) Chloroethane	1.88	64	34711	18.385	ug/l	90
7) Trichlorofluoromethane	2.08	101	142927	21.511	ug/l	95
8) Diethyl Ether	2.35	74	30281	21.547	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.56	101	89386	21.162	ug/l	95
10) Methyl Iodide	2.69	142	98480	20.497	ug/l	97
11) Tert butyl alcohol	3.28	59	27750	90.049	ug/l	98
12) 1,1-Dichloroethene	2.55	96	67163	21.133	ug/l	90
13) Acrolein	2.48	56	17151	97.493	ug/l	86
14) Allyl chloride	2.92	41	156761	21.193	ug/l	96
15) Acrylonitrile	3.35	53	95631	117.035	ug/l	93
16) Acetone	2.62	43	121329	94.951	ug/l #	90
17) Carbon Disulfide	2.75	76	213580	19.753	ug/l	97
18) Methyl Acetate	2.94	43	52816	19.381	ug/l	100
19) Methyl tert-butyl Ether	3.42	73	273973	32.503	ug/l	100
20) Methylene Chloride	3.07	84	77237	20.326	ug/l	94
21) trans-1,2-Dichloroethene	3.38	96	93501	26.920	ug/l	95
22) Diisopropyl ether	4.08	45	636307	21.660	ug/l	98
23) Vinyl Acetate	4.02	43	1675975	106.424	ug/l	99
24) 1,1-Dichloroethane	3.97	63	381537	24.107	ug/l	96
25) 2-Butanone	4.84	43	286458	102.857	ug/l	99
26) 2,2-Dichloropropane	4.80	77	268779	20.282	ug/l	98
27) cis-1,2-Dichloroethene	4.81	96	210588	24.263	ug/l	92
28) Bromochloromethane	5.16	49	157773	22.238	ug/l #	93
29) Tetrahydrofuran	5.20	42	164266	110.811	ug/l	97
30) Chloroform	5.33	83	384381	23.005	ug/l	97
31) Cyclohexane	5.60	56	281288	21.500	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	304177	22.034	ug/l	94
36) 1,1-Dichloropropene	5.75	75	271506	22.797	ug/l	94
37) Ethyl Acetate	4.94	43	146500	21.589	ug/l	97
38) Carbon Tetrachloride	5.73	117	261097	22.063	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	264301	22.784	ug/l	97
40) Benzene	6.02	78	646075	22.773	ug/l	99
41) Methacrylonitrile	5.14	41	67545	20.613	ug/l	98
42) 1,2-Dichloroethane	6.13	62	249185	21.783	ug/l	100
43) Isopropyl Acetate	7.63	43	190034	21.005	ug/l	99
44) Trichloroethene	6.99	130	195054	22.896	ug/l	99
45) 1,2-Dichloropropane	7.35	63	167345	21.902	ug/l	97
46) Dibromomethane	7.47	93	122403	23.467	ug/l	100
47) Bromodichloromethane	7.74	83	263296	22.136	ug/l	99
48) Methyl methacrylate	7.51	41	115591	21.022	ug/l	98
49) 1,4-Dioxane	7.50	88	21212	427.372	ug/l #	90
51) 4-Methyl-2-Pentanone	8.60	43	654013	110.830	ug/l	98
52) Toluene	8.81	92	376442	23.302	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	228496	22.096	ug/l	95
54) cis-1,3-Dichloropropene	8.37	75	260516	21.488	ug/l	92
55) 1,1,2-Trichloroethane	9.46	97	125797	22.010	ug/l	96
56) Ethyl methacrylate	9.32	69	152756	22.348	ug/l	98
57) 1,3-Dichloropropane	9.67	76	216979	22.537	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.19	63	389456	115.091	ug/l	98
59) 2-Hexanone	9.79	43	467037	109.530	ug/l	97
60) Dibromochloromethane	9.96	129	167596	21.607	ug/l	99
61) 1,2-Dibromoethane	10.10	107	142752	22.820	ug/l	94
64) Tetrachloroethene	9.52	164	202160	24.422	ug/l	95
65) Chlorobenzene	10.73	112	422637	22.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	159562	22.468	ug/l	95
67) Ethyl Benzene	10.87	91	754960	23.238	ug/l	99
68) m/p-Xylenes	11.01	106	482171	44.505	ug/l	100
69) o-Xylene	11.41	106	238715	23.069	ug/l	86
70) Styrene	11.44	104	391311	22.161	ug/l	98
71) Bromoform	11.60	173	113357	20.010	ug/l	91
73) Isopropylbenzene	11.77	105	673600	22.976	ug/l	99
74) N-amyl acetate	11.65	43	252545	22.278	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	160562	23.534	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	152302	21.282	ug/l	100
77) Bromobenzene	12.05	156	202616	23.079	ug/l	98
78) n-propylbenzene	12.16	91	853168	22.534	ug/l	99
79) 2-Chlorotoluene	12.21	91	486357	22.448	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	534246	23.363	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	35013	20.061	ug/l	86
82) 4-Chlorotoluene	12.33	91	565061	23.926	ug/l	99
83) tert-Butylbenzene	12.58	119	602335	22.911	ug/l	100
84) 1,2,4-Trimethylbenzene	12.63	105	557320	22.421	ug/l	98
85) sec-Butylbenzene	12.76	105	690564	22.409	ug/l	99
86) p-Isopropyltoluene	12.88	119	543253	21.754	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	351704	23.049	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	334322	22.436	ug/l	99
89) n-Butylbenzene	13.20	91	603935	23.011	ug/l	97
90) Hexachloroethane	13.41	117	138645	21.390	ug/l	92
91) 1,2-Dichlorobenzene	13.20	146	294202	22.656	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	24411	22.482	ug/l	97

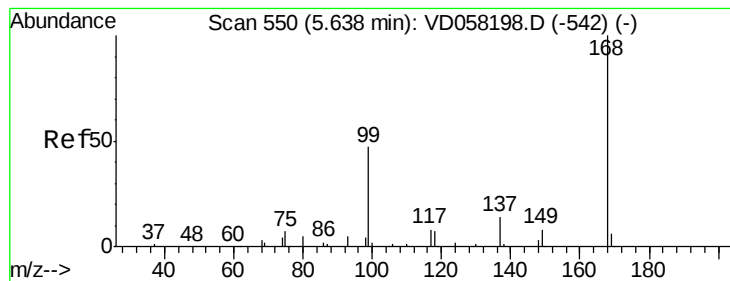
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	262649	21.148	ug/l	97
94) Hexachlorobutadiene	14.44	225	208075	21.420	ug/l	98
95) Naphthalene	14.52	128	362862	22.181	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	230818	21.229	ug/l	97

(#) = 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: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

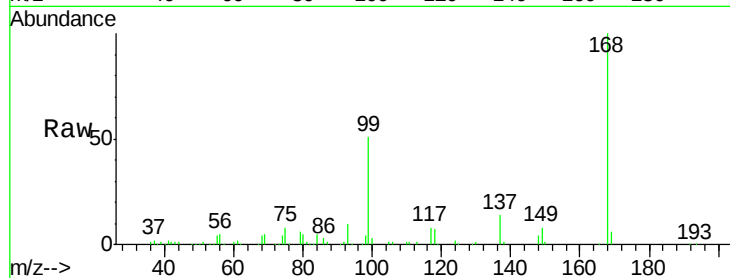
VD0621SBS02

Tot Ion:168 Resp: 925035

Ion Ratio Lower Upper

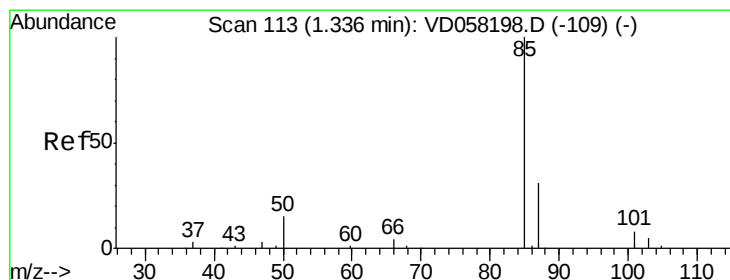
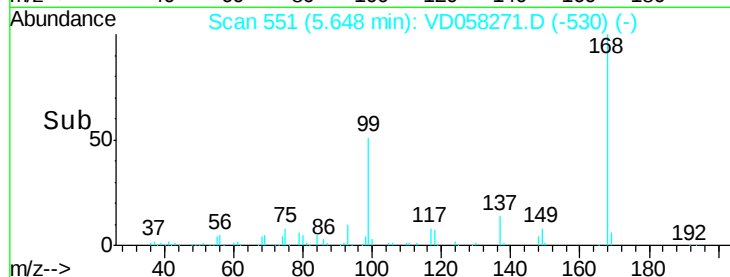
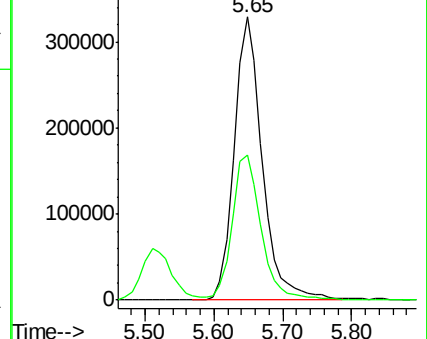
168 100

99 51.5 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: 25.772 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058271.D

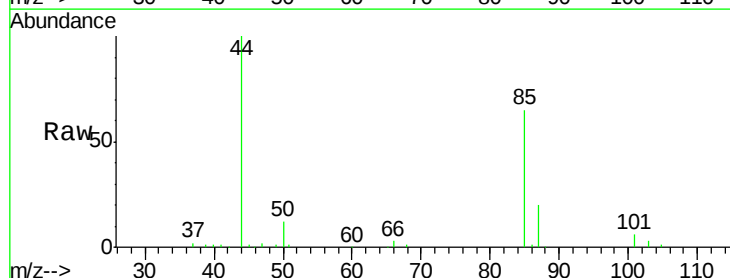
Acq: 22 Jun 2018 1:59

Tgt Ion: 85 Resp: 240372

Ion Ratio Lower Upper

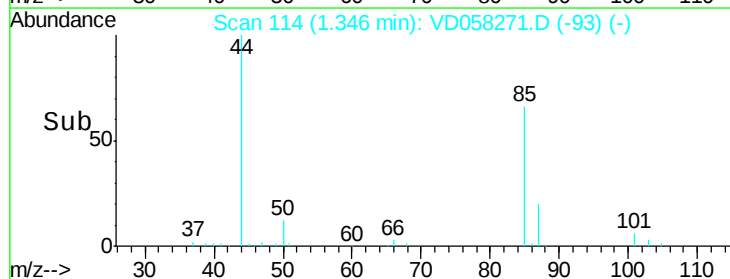
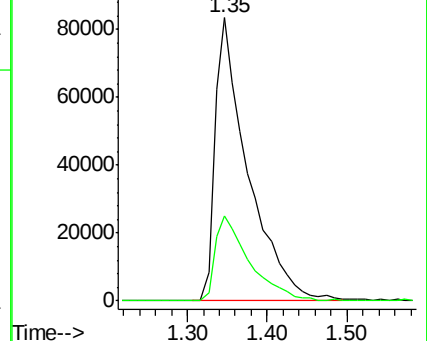
85 100

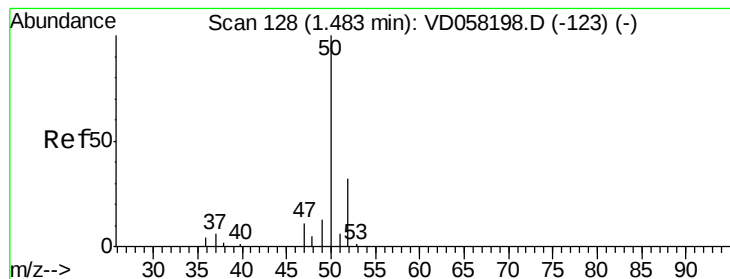
87 29.9 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.645 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

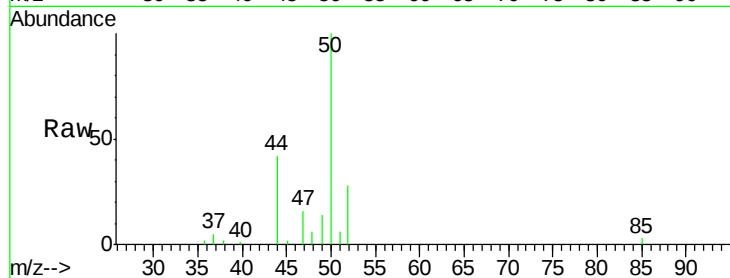
VD0621SBS02

Tot Ion: 50 Resp: 104722

Ion Ratio Lower Upper

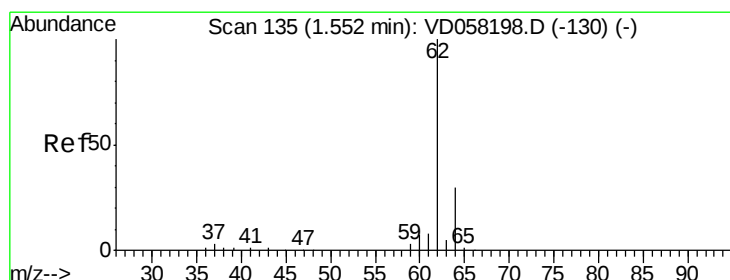
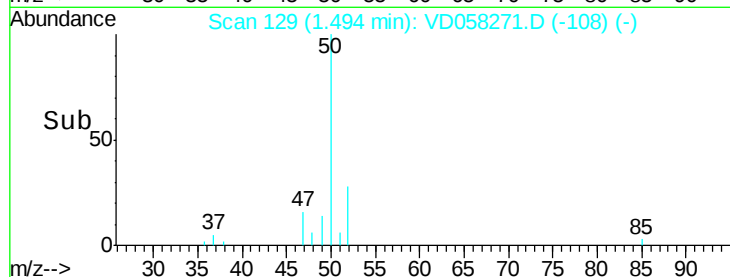
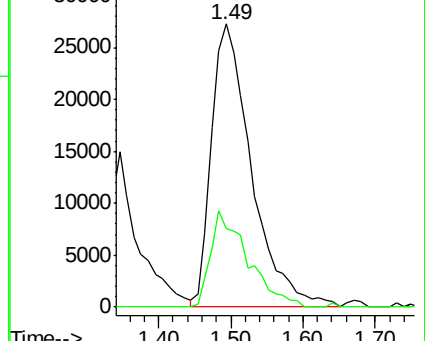
50 100

52 27.9 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: 20.755 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD058271.D

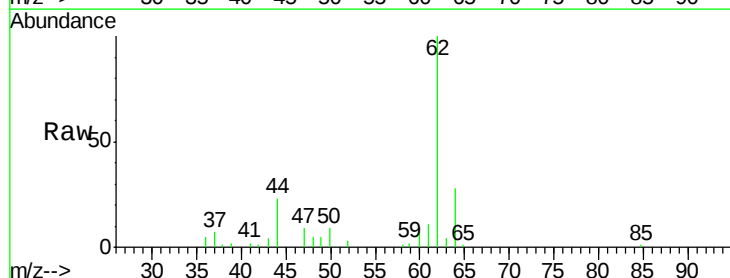
Acq: 22 Jun 2018 1:59

Tgt Ion: 62 Resp: 100573

Ion Ratio Lower Upper

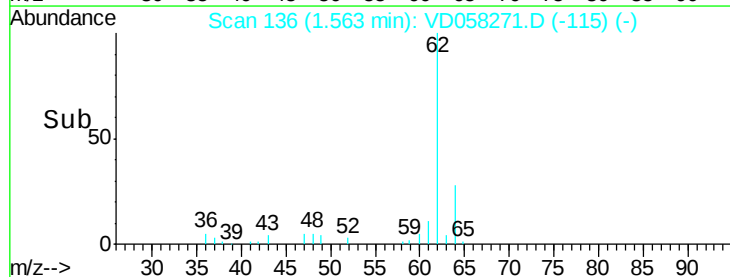
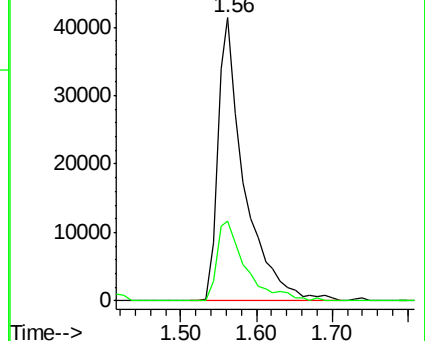
62 100

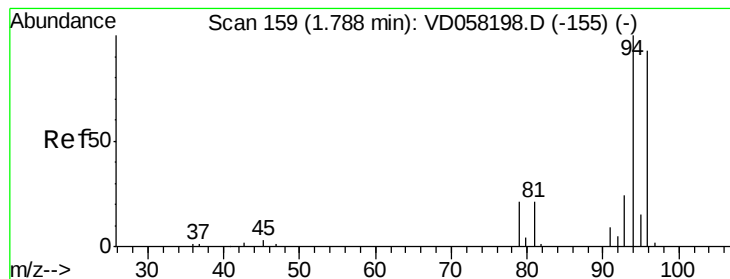
64 28.0 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.027 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

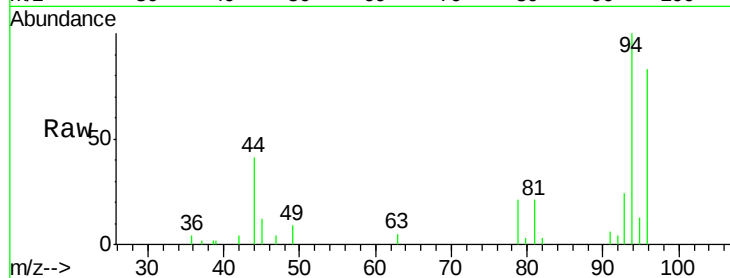
VD0621SBS02

Tot Ion: 94 Resp: 34897

Ion Ratio Lower Upper

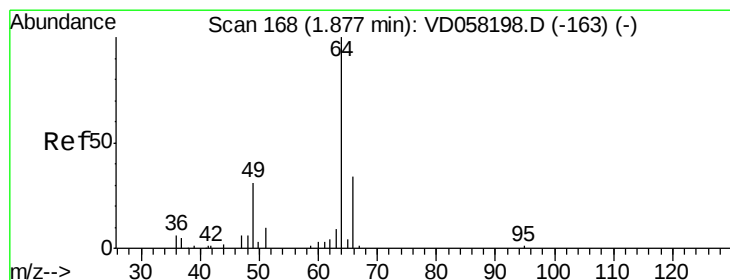
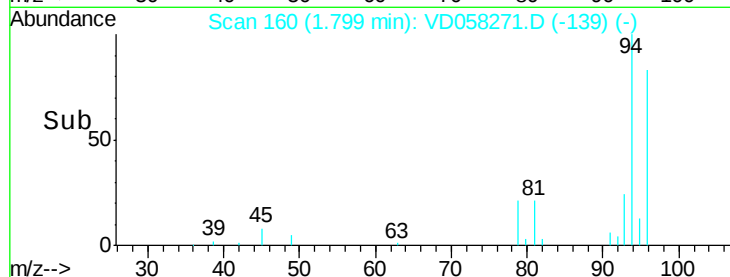
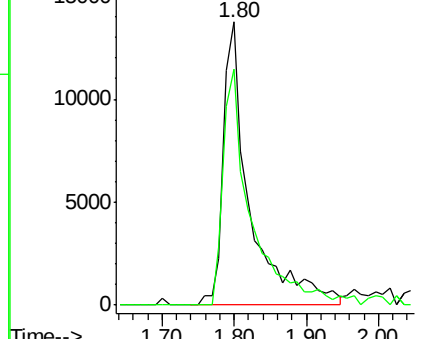
94 100

96 83.4 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: 18.385 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD058271.D

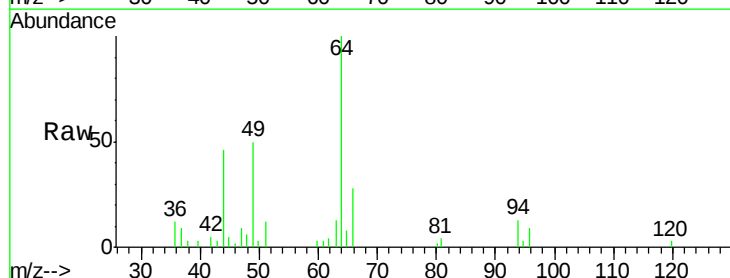
Acq: 22 Jun 2018 1:59

Tgt Ion: 64 Resp: 34711

Ion Ratio Lower Upper

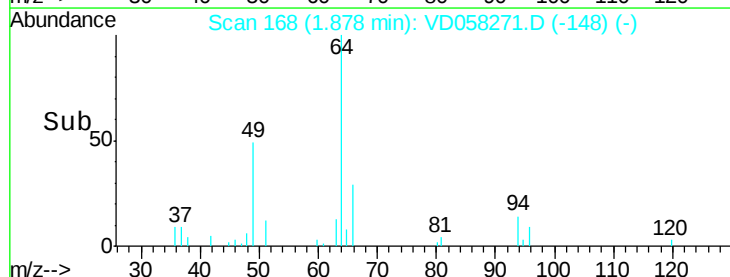
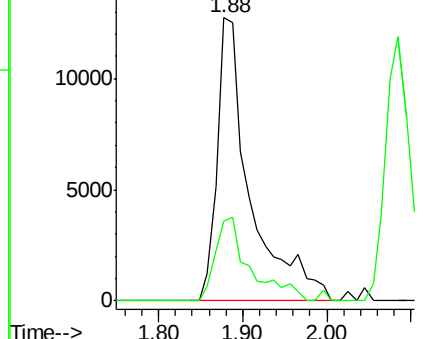
64 100

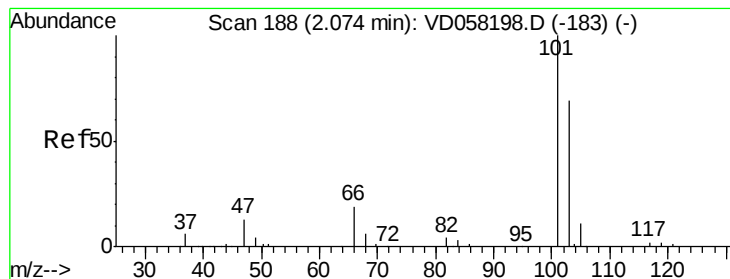
66 28.2 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



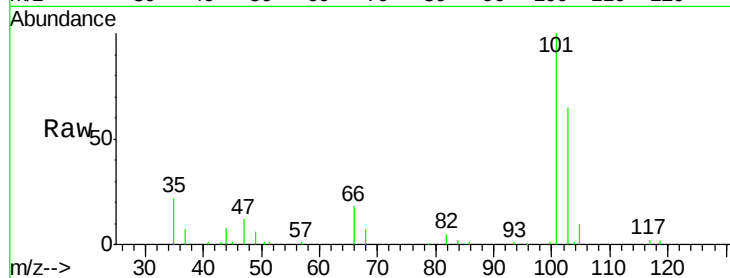


#7

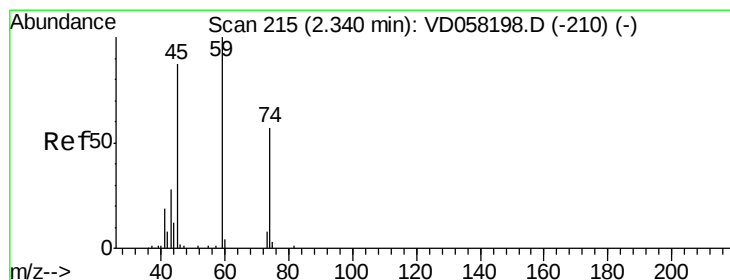
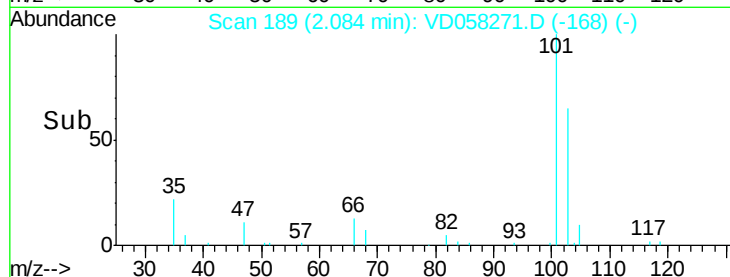
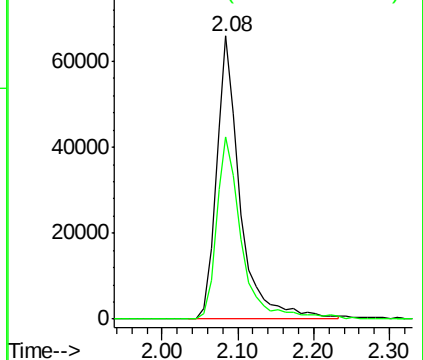
Trichlorofluoromethane
 Concen: 21.511 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Instrument :
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 VD0621SBS02

Tot Ion:101 Resp: 142927
 Ion Ratio Lower Upper
 101 100
 103 64.5 55.1 82.7



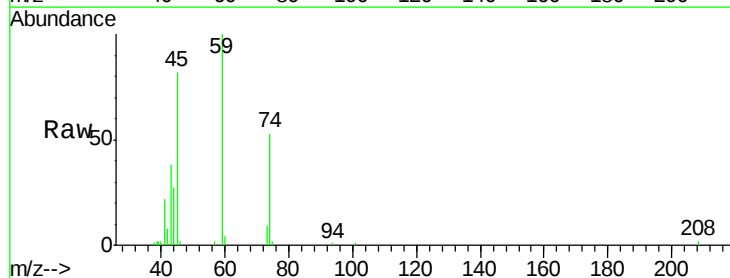
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



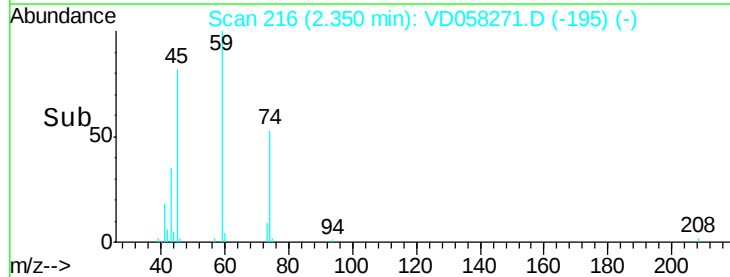
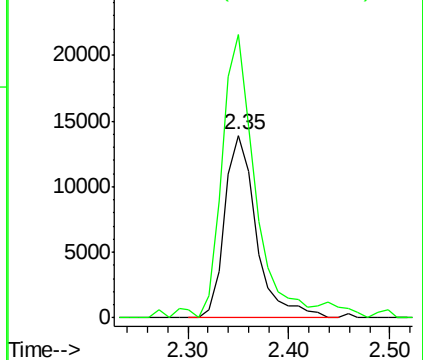
#8

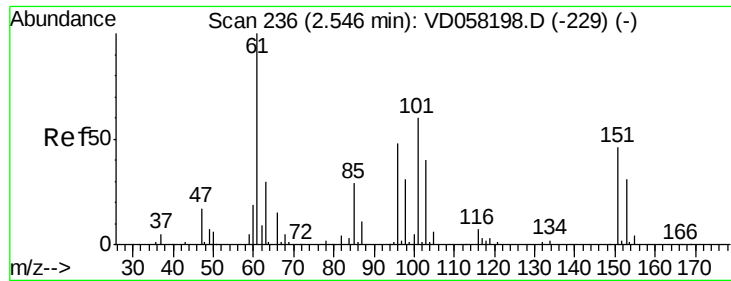
Diethyl Ether
 Concen: 21.547 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Tgt Ion: 74 Resp: 30281
 Ion Ratio Lower Upper
 74 100
 45 155.0 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: 21.162 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

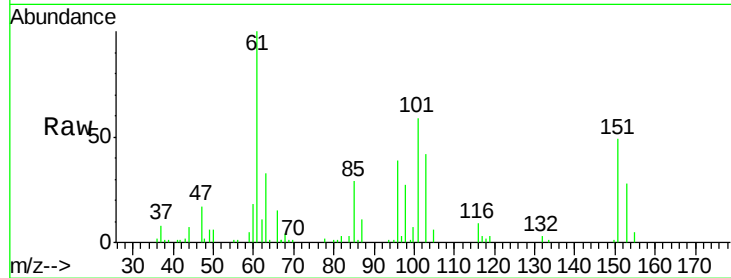
Tot Ion:101 Resp: 89386

Ion Ratio Lower Upper

101 100

85 49.7 39.0 58.4

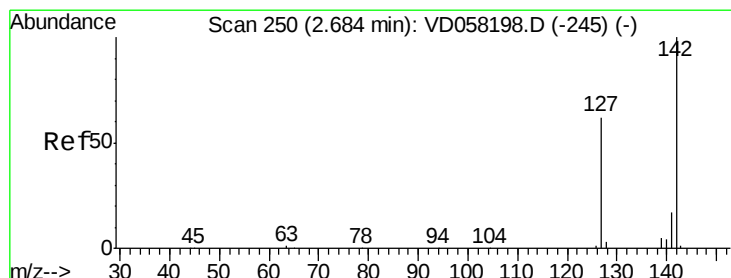
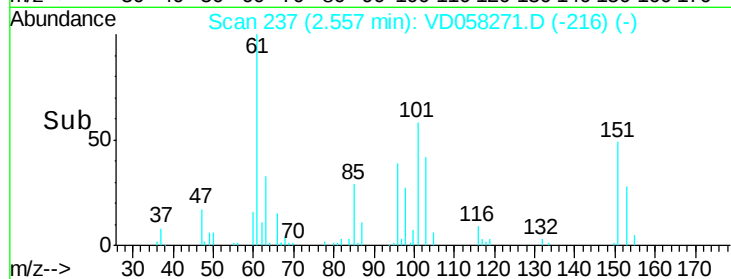
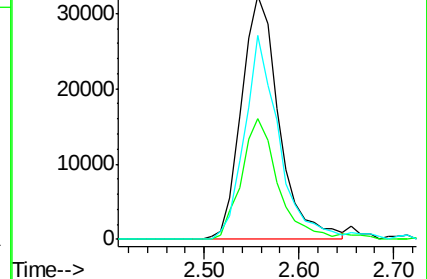
151 83.6 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.497 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

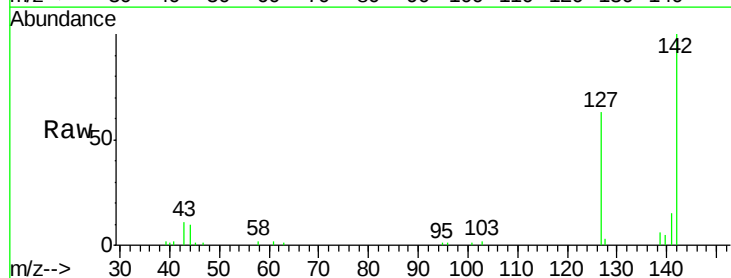
Tgt Ion:142 Resp: 98480

Ion Ratio Lower Upper

142 100

127 63.3 49.4 74.0

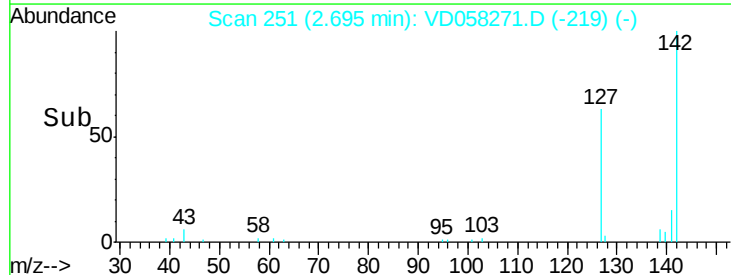
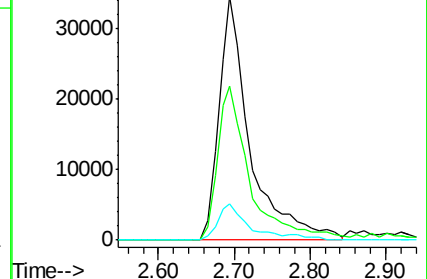
141 14.8 13.5 20.3



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



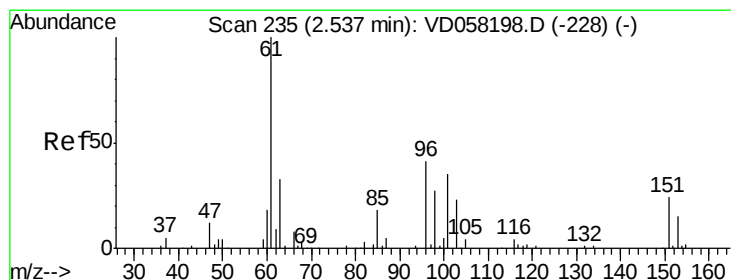
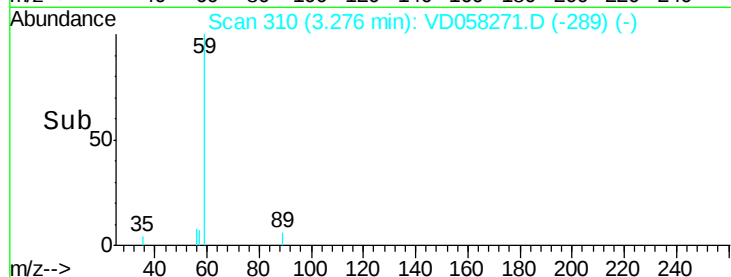
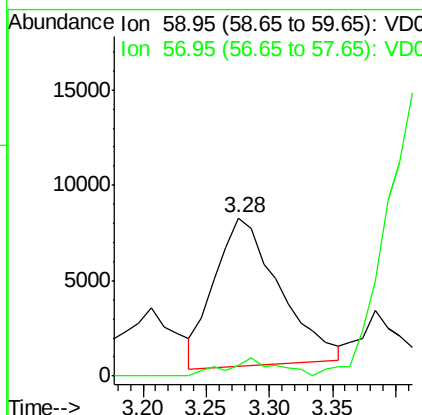
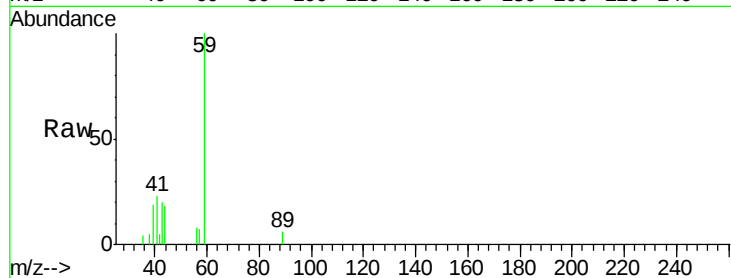


#11

Tert butyl alcohol
 Concen: 90.049 ug/l
 RT: 3.28 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

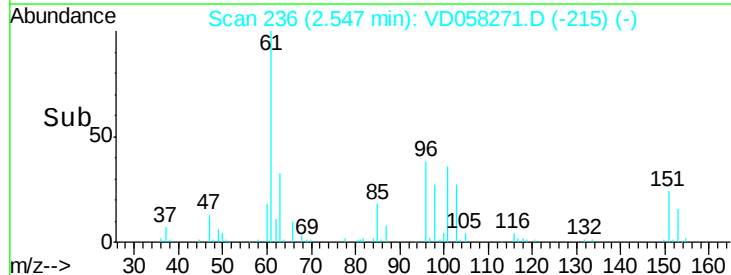
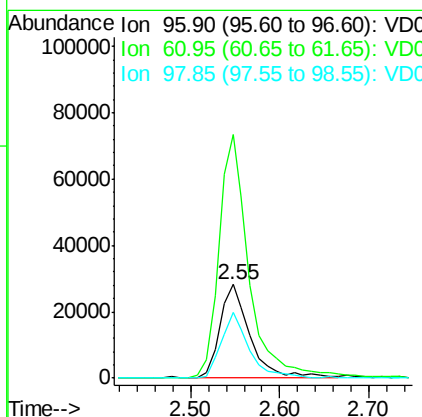
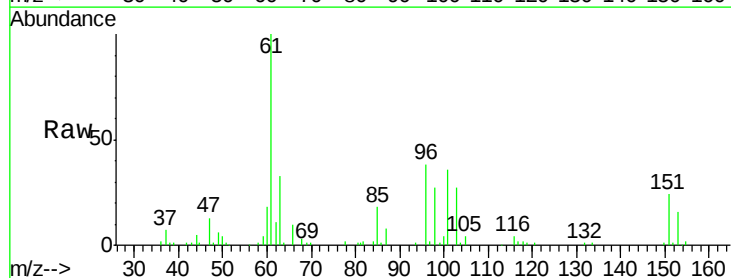
Tot Ion: 59 Resp: 27750
 Ion Ratio Lower Upper
 59 100
 57 7.1 6.2 9.4

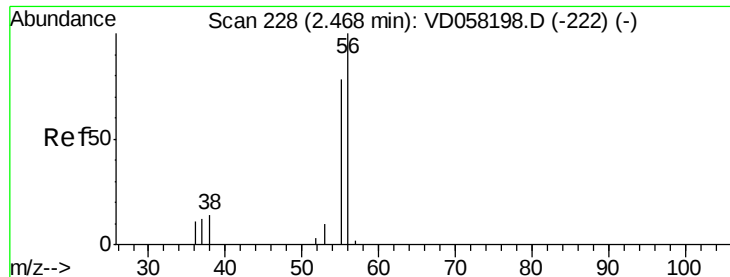


#12

1,1-Dichloroethene
 Concen: 21.133 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Tgt Ion: 96 Resp: 67163
 Ion Ratio Lower Upper
 96 100
 61 260.1 193.9 290.9
 98 69.7 51.7 77.5





#13

Acrolein

Concen: 97.493 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

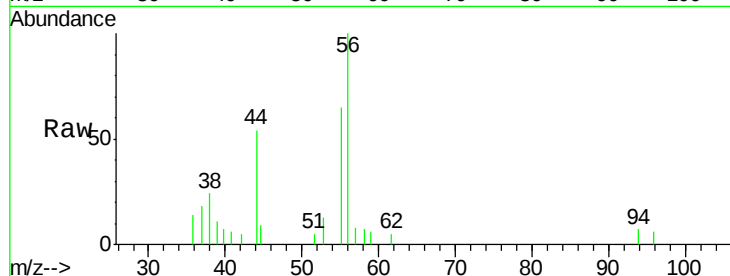
VD0621SBS02

Tot Ion: 56 Resp: 17151

Ion Ratio Lower Upper

56 100

55 65.2 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

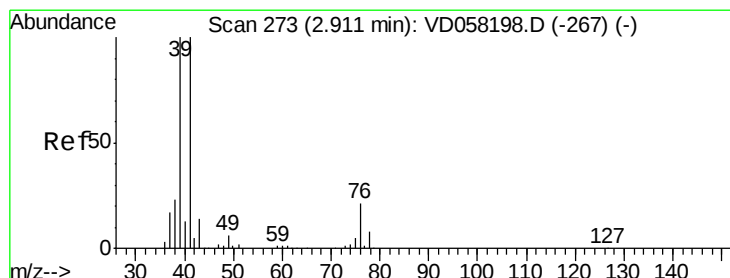
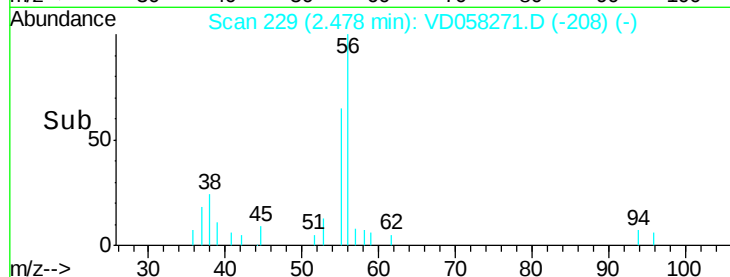
4000

2000

0

Time-->

2.40 2.50 2.60



#14

Allyl chloride

Concen: 21.193 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

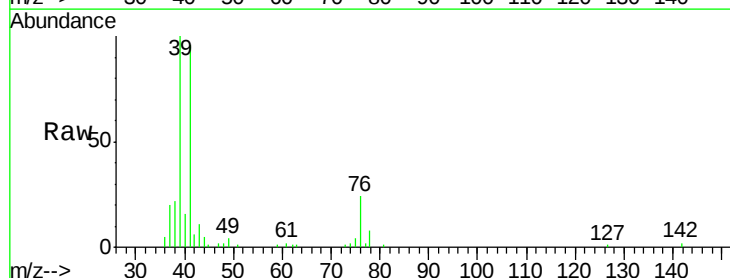
Tgt Ion: 41 Resp: 156761

Ion Ratio Lower Upper

41 100

39 104.4 80.1 120.1

76 24.8 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

2.92

80000

60000

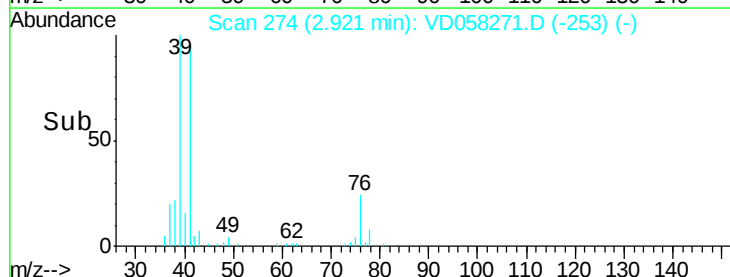
40000

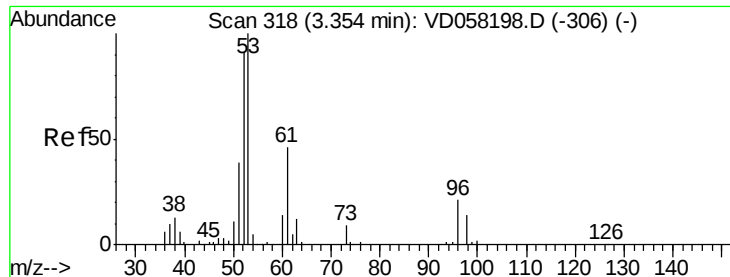
20000

0

Time-->

2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 117.035 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

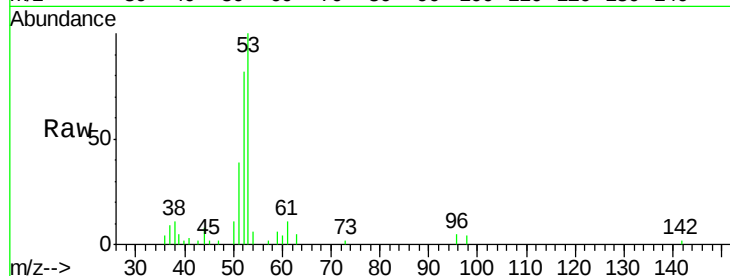
Tot Ion: 53 Resp: 95631

Ion Ratio Lower Upper

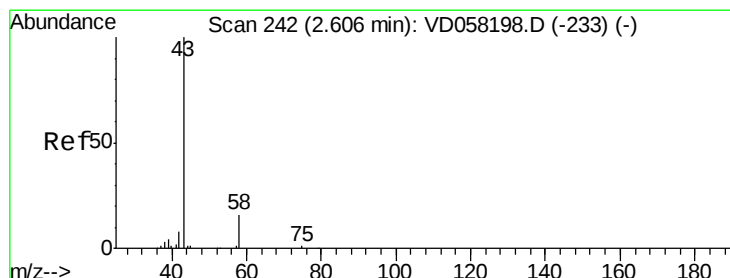
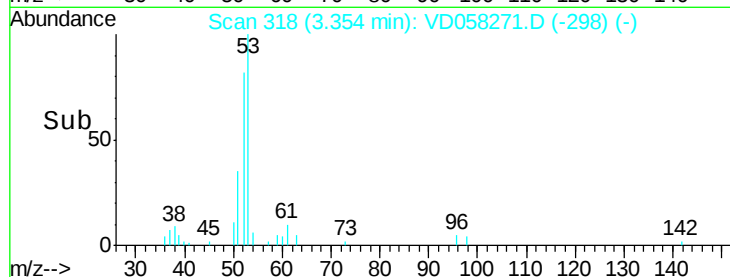
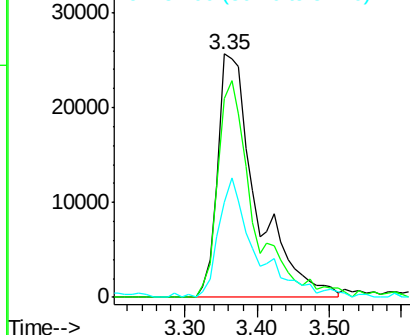
53 100

52 81.6 72.6 108.8

51 39.0 32.2 48.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 94.951 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058271.D

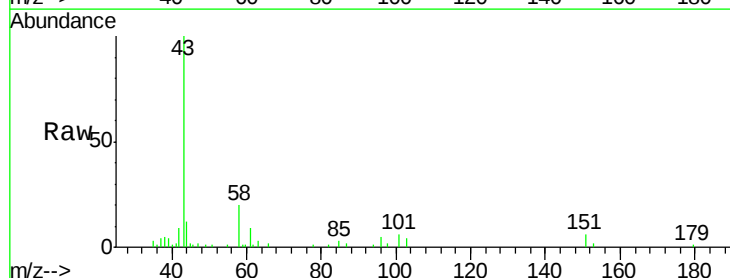
Acq: 22 Jun 2018 1:59

Tgt Ion: 43 Resp: 121329

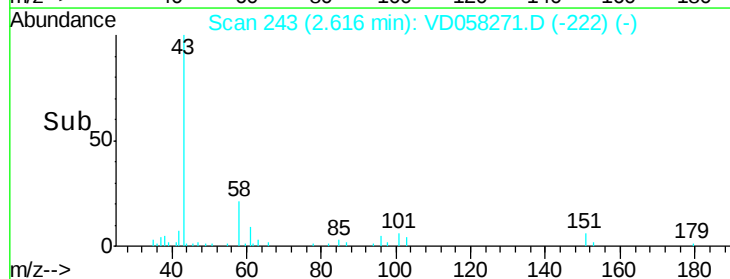
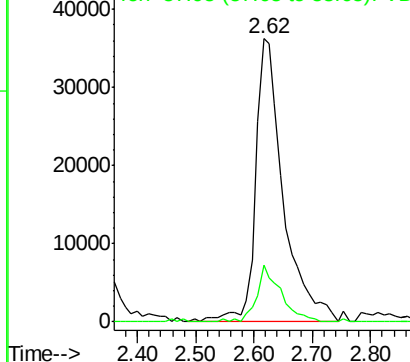
Ion Ratio Lower Upper

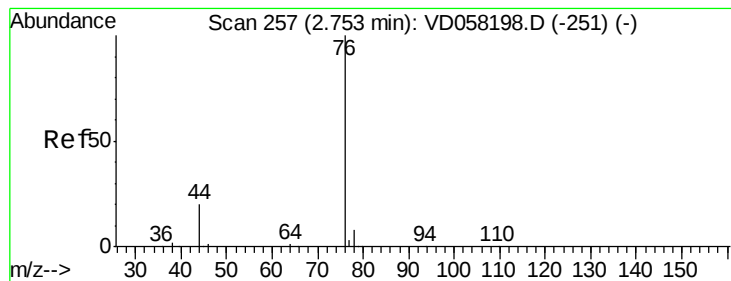
43 100

58 20.2 12.7 19.1#



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





#17

Carbon Disulfide

Concen: 19.753 ug/l

RT: 2.75 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

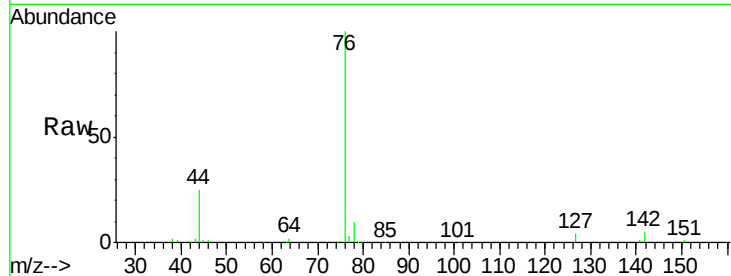
VD0621SBS02

Tot Ion: 76 Resp: 213580

Ion Ratio Lower Upper

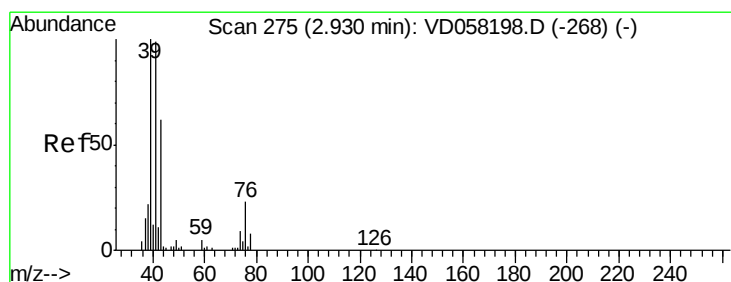
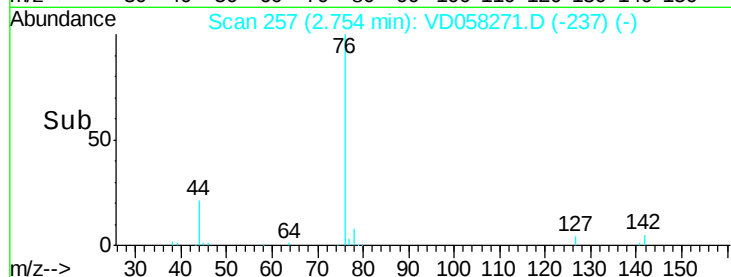
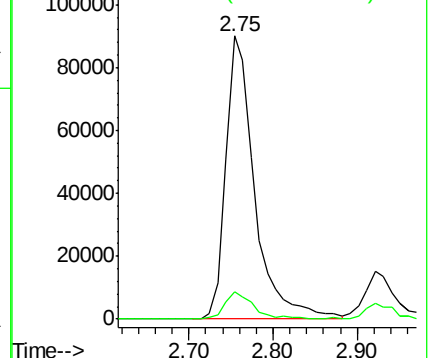
76 100

78 9.7 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: 19.381 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD058271.D

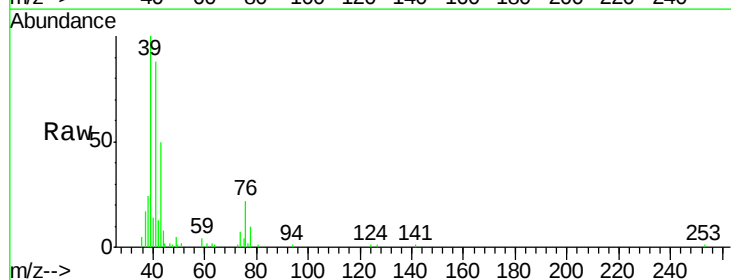
Acq: 22 Jun 2018 1:59

Tgt Ion: 43 Resp: 52816

Ion Ratio Lower Upper

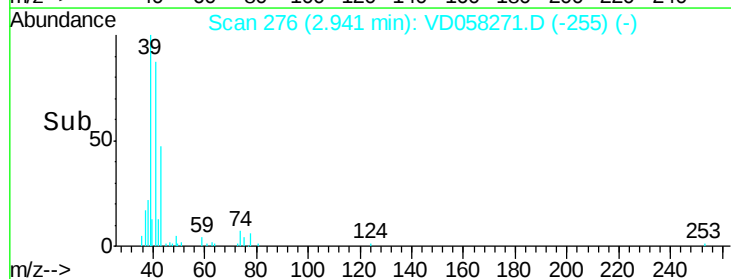
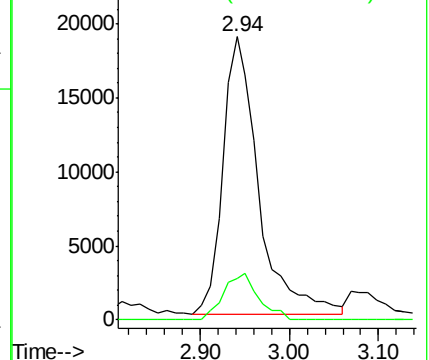
43 100

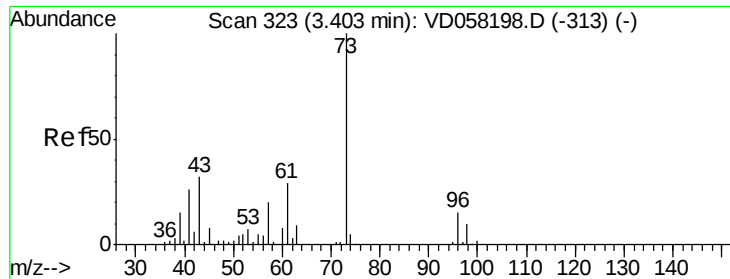
74 14.8 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

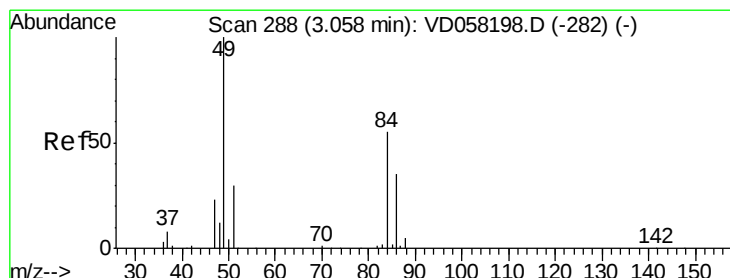
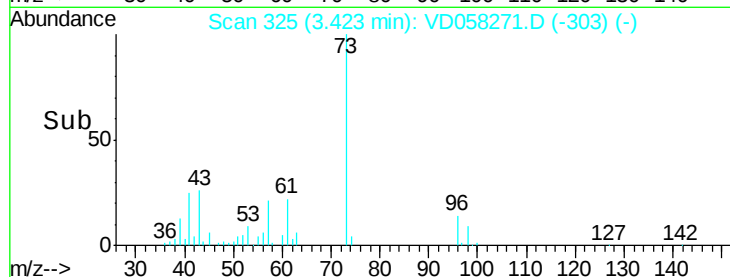
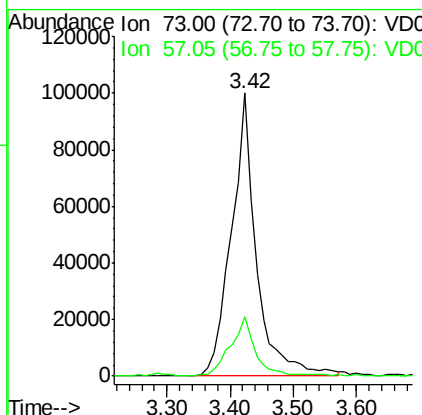
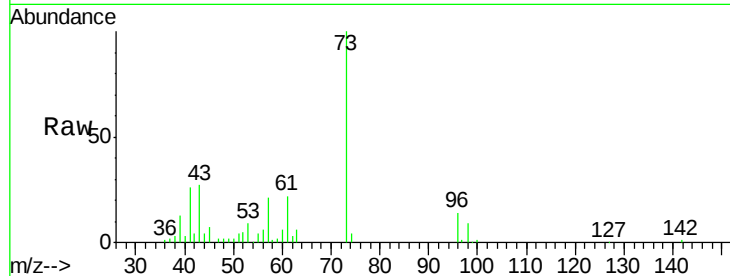




#19
Methyl tert-butyl Ether
Concen: 32.503 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

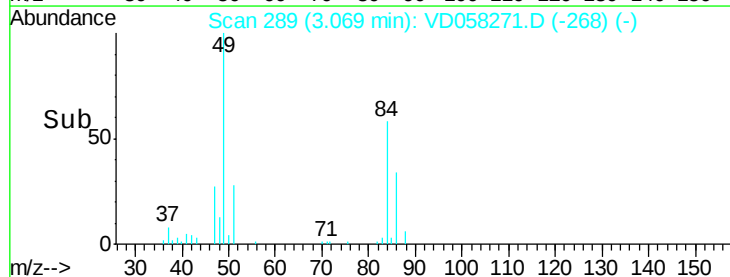
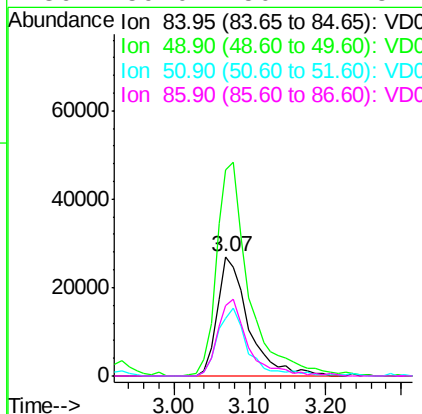
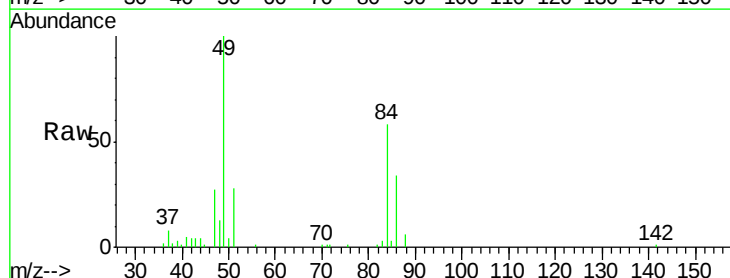
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

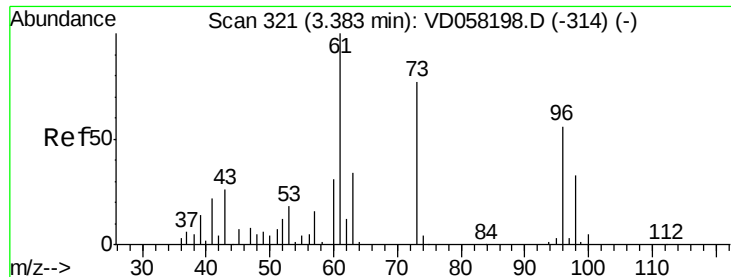
Tot Ion: 73 Resp: 273973
Ion Ratio Lower Upper
73 100
57 20.9 16.6 24.8



#20
Methylene Chloride
Concen: 20.326 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Tgt Ion: 84 Resp: 77237
Ion Ratio Lower Upper
84 100
49 172.8 145.0 217.6
51 48.2 42.9 64.3
86 59.0 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 26.920 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

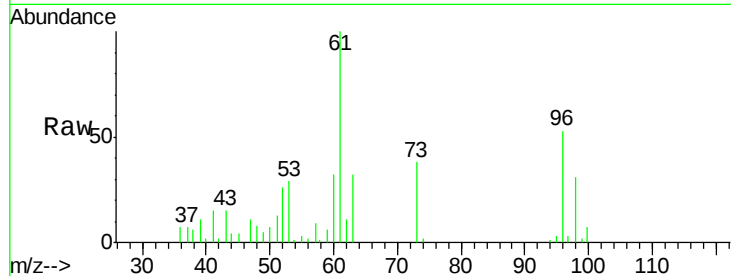
Tot Ion: 96 Resp: 93501

Ion Ratio Lower Upper

96 100

61 189.0 143.8 215.6

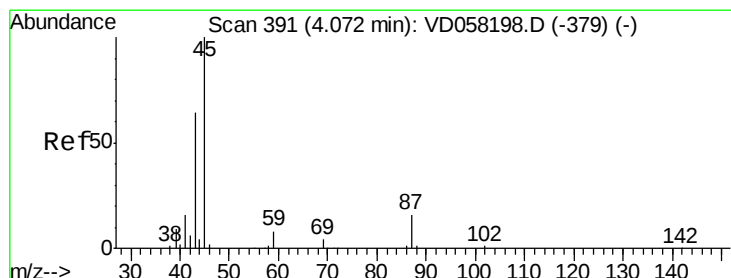
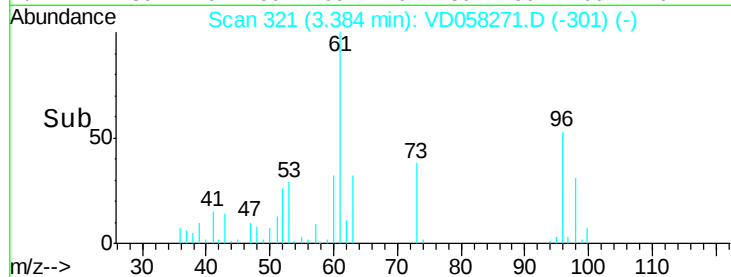
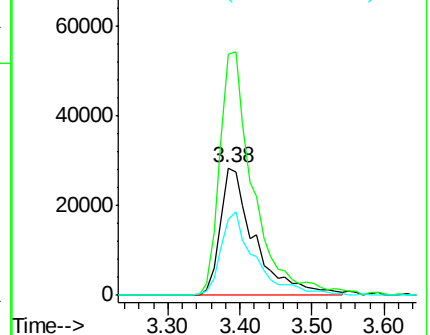
98 59.4 48.0 72.0



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: 21.660 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Tgt Ion: 45 Resp: 636307

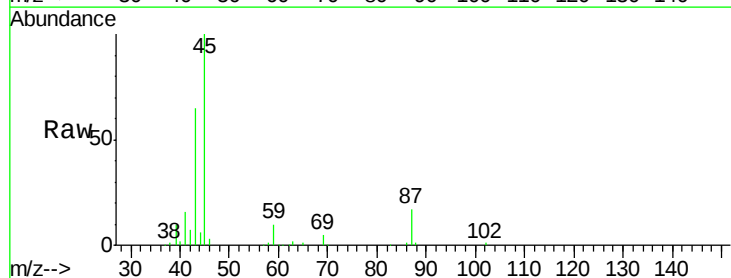
Ion Ratio Lower Upper

45 100

43 65.5 51.4 77.0

87 16.6 13.0 19.4

59 9.6 6.9 10.3

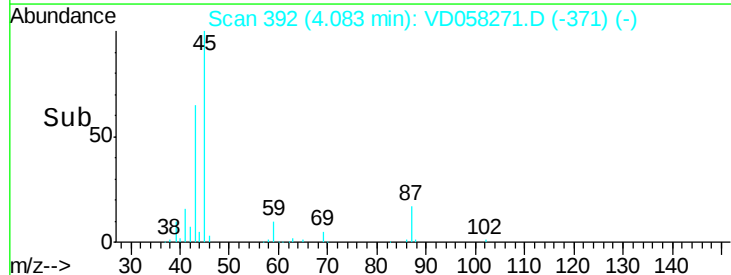
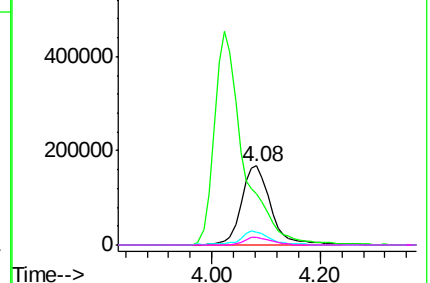


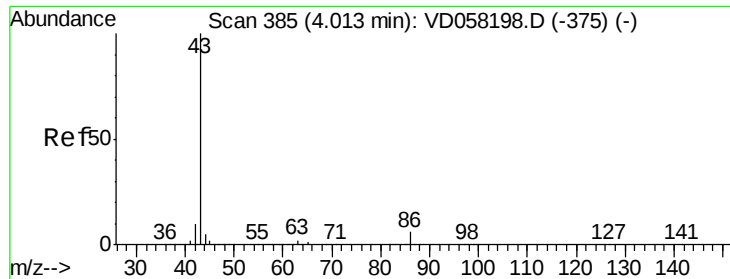
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 106.424 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

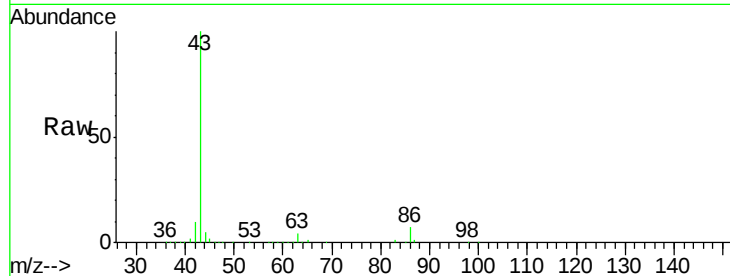
VD0621SBS02

Tot Ion: 43 Resp: 1675975

Ion Ratio Lower Upper

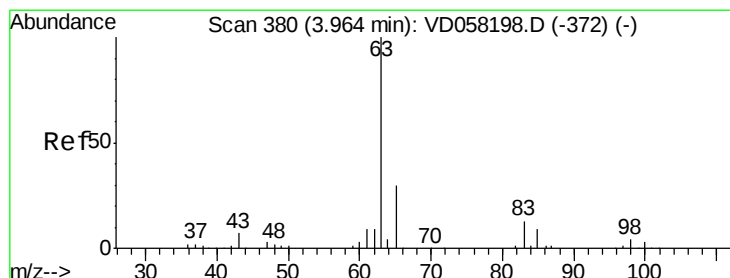
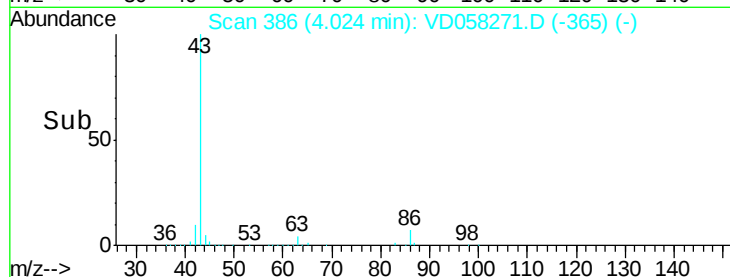
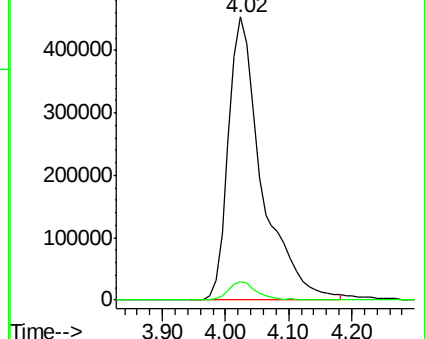
43 100

86 6.5 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 24.107 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

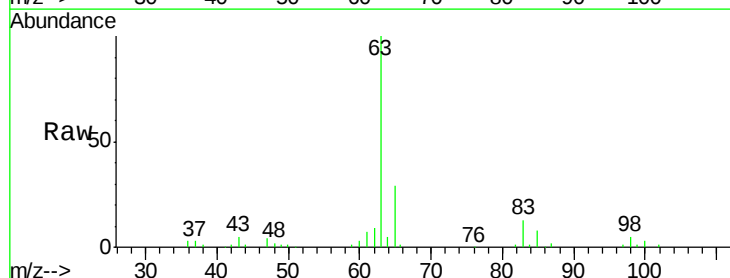
Tgt Ion: 63 Resp: 381537

Ion Ratio Lower Upper

63 100

98 5.4 1.9 5.7

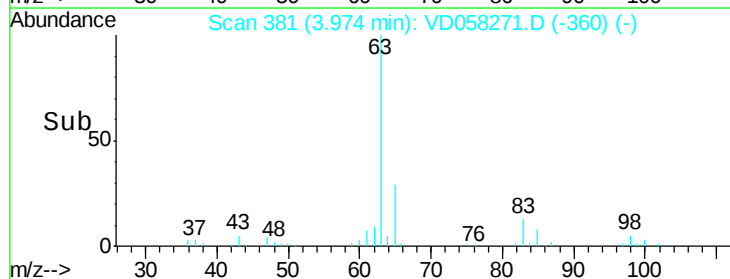
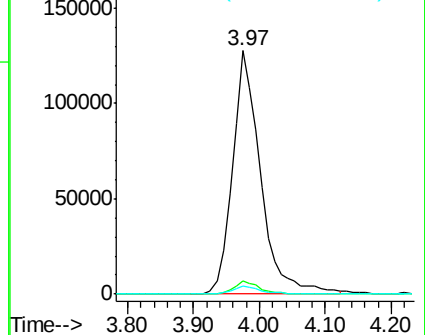
100 3.2 1.3 3.9

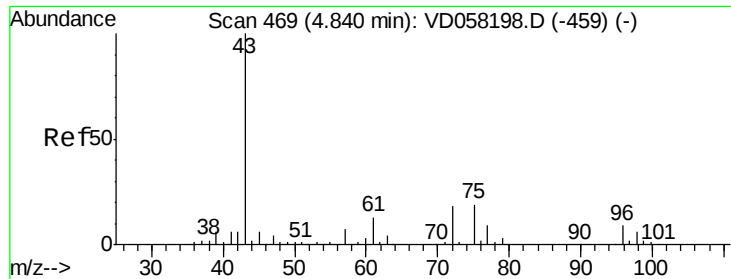


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 102.857 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

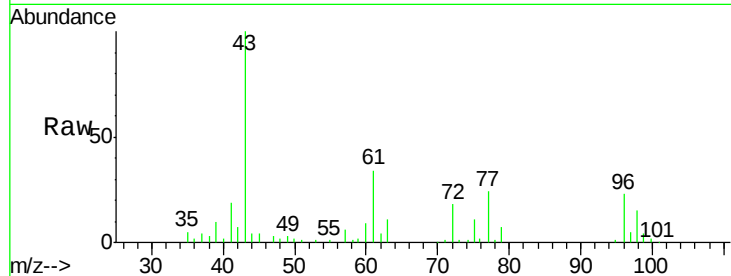
VD0621SBS02

Tot Ion: 43 Resp: 286458

Ion Ratio Lower Upper

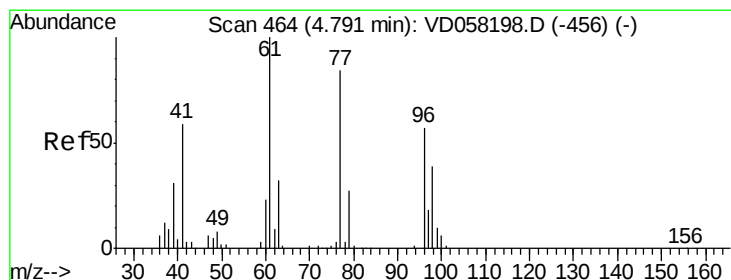
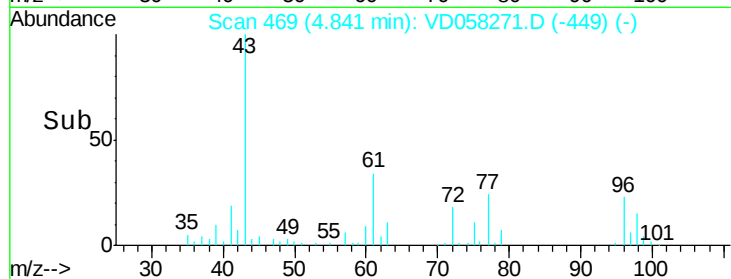
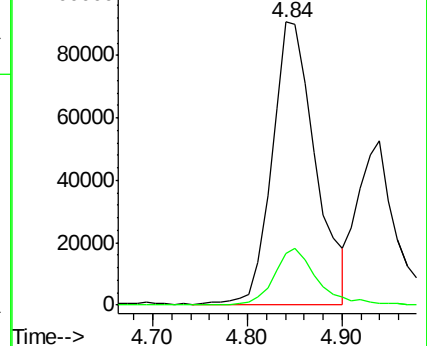
43 100

72 18.2 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: 20.282 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058271.D

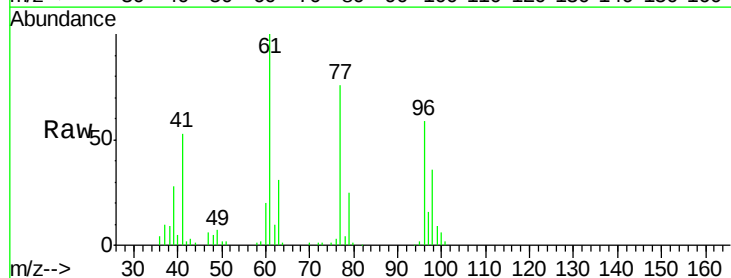
Acq: 22 Jun 2018 1:59

Tgt Ion: 77 Resp: 268779

Ion Ratio Lower Upper

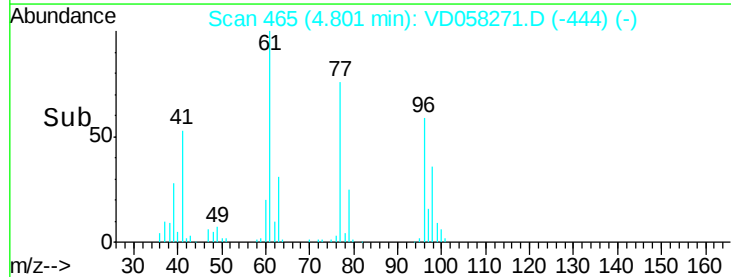
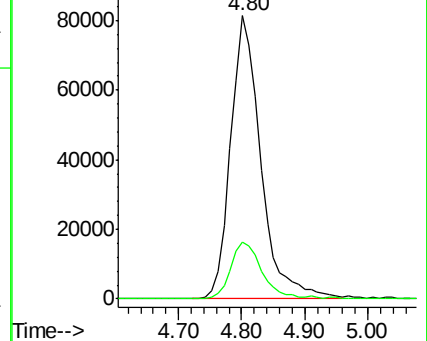
77 100

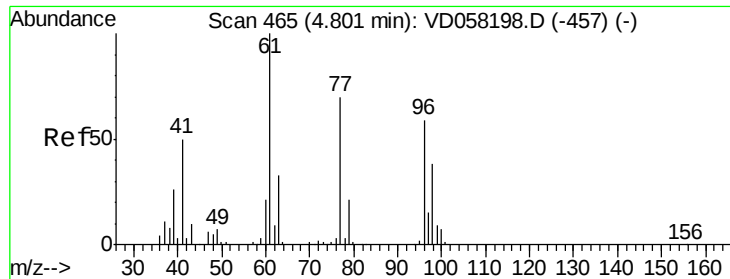
97 20.3 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



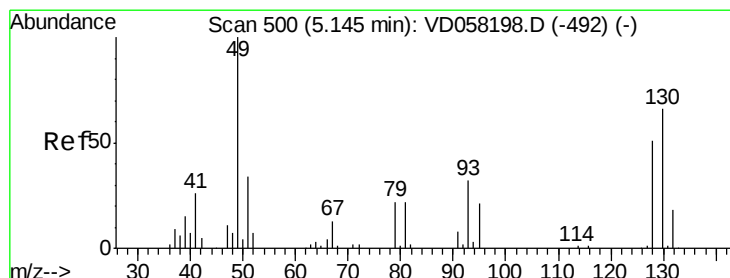
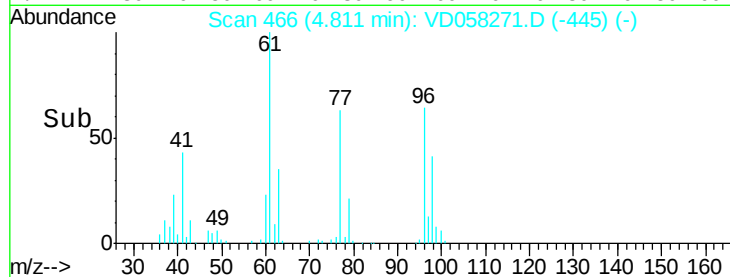
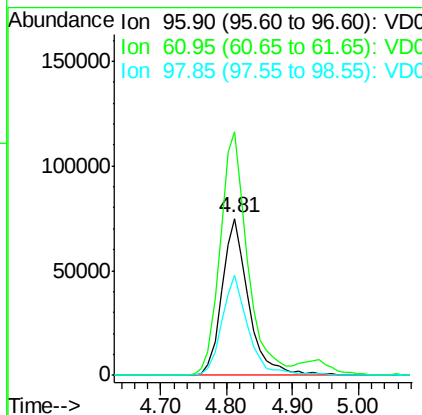
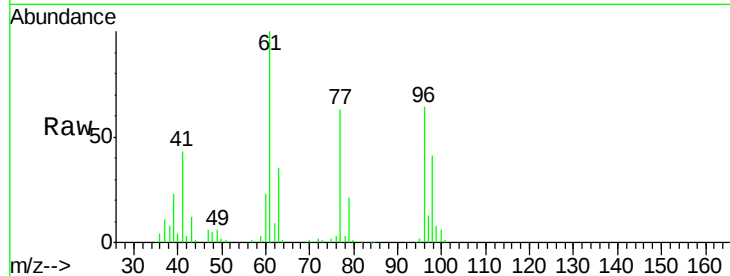


#27

cis-1,2-Dichloroethene
Concen: 24.263 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

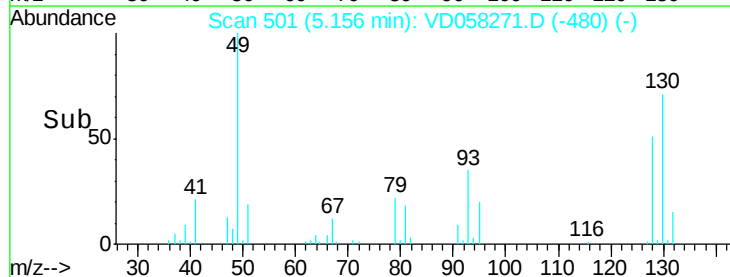
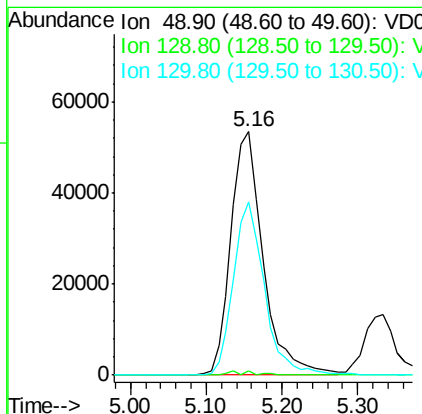
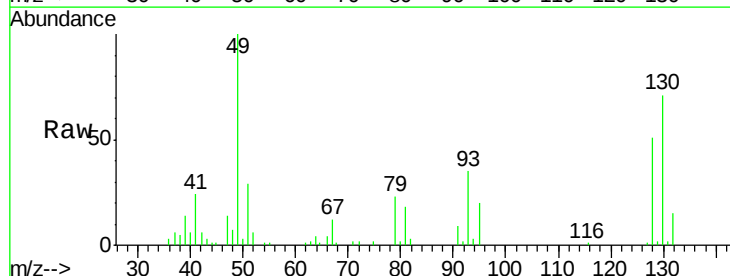
Tot Ion: 96 Resp: 210588
Ion Ratio Lower Upper
96 100
61 155.1 0.0 338.6
98 63.5 0.0 130.2



#28

Bromochloromethane
Concen: 22.238 ug/l
RT: 5.16 min Scan# 501
Delta R.T. 0.01 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Tgt Ion: 49 Resp: 157773
Ion Ratio Lower Upper
49 100
129 2.0 0.0 0.0#
130 71.3 52.6 79.0

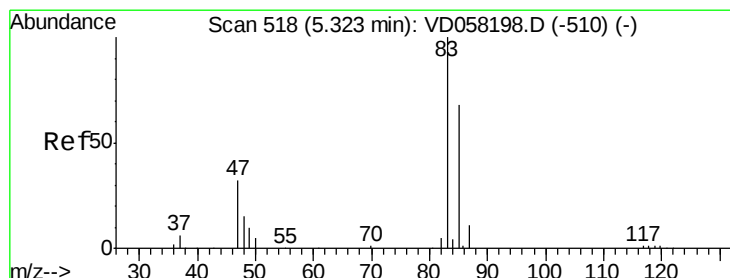
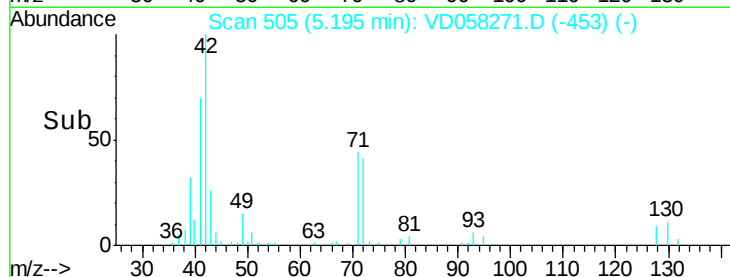
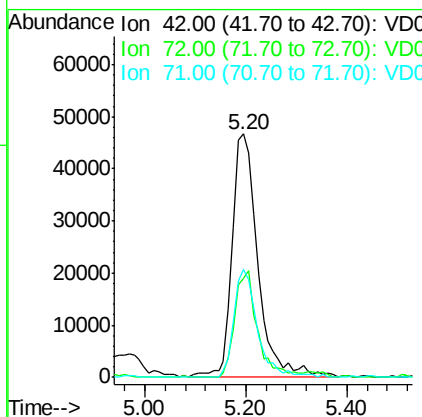
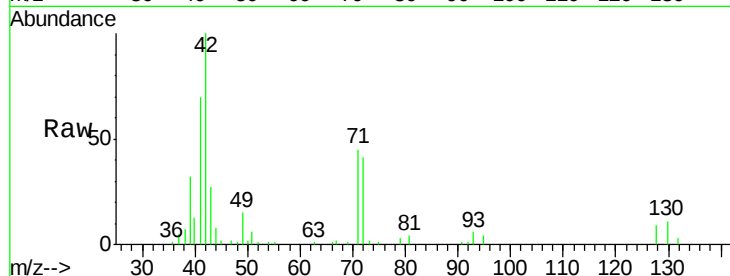




#29
Tetrahydrofuran
Concen: 110.811 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

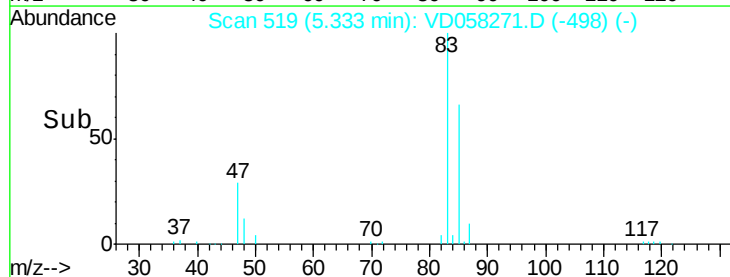
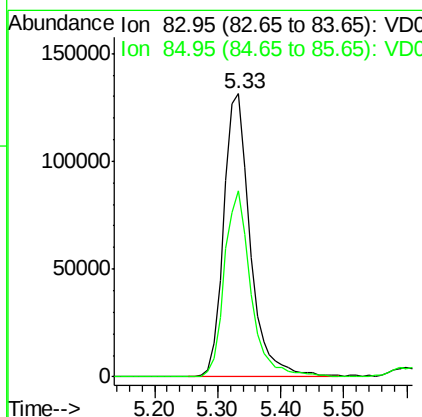
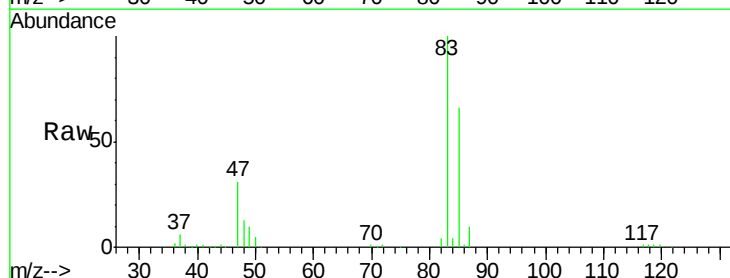
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

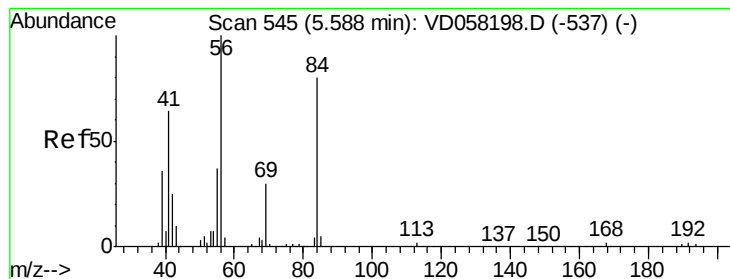
Tot Ion: 42 Resp: 164266
Ion Ratio Lower Upper
42 100
72 38.4 30.2 45.2
71 40.2 30.1 45.1



#30
Chloroform
Concen: 23.005 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Tgt Ion: 83 Resp: 384381
Ion Ratio Lower Upper
83 100
85 65.8 54.8 82.2





#31

Cvclohexane

Concen: 21.500 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

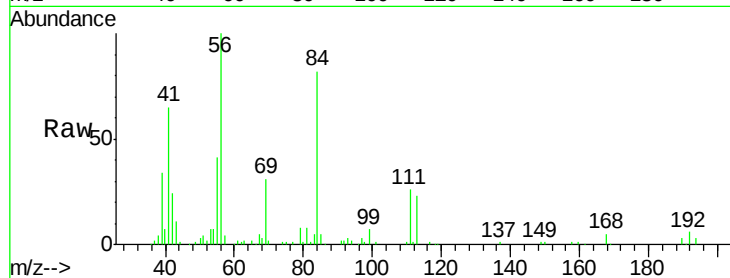
Tot Ion: 56 Resp: 281288

Ion Ratio Lower Upper

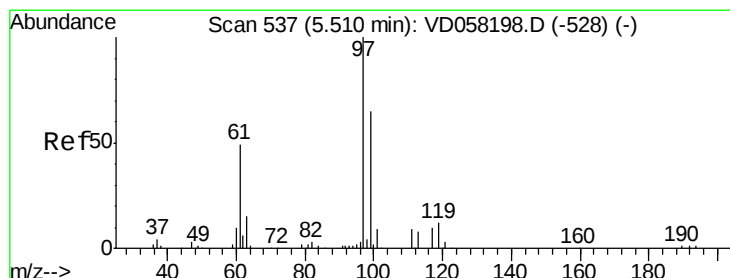
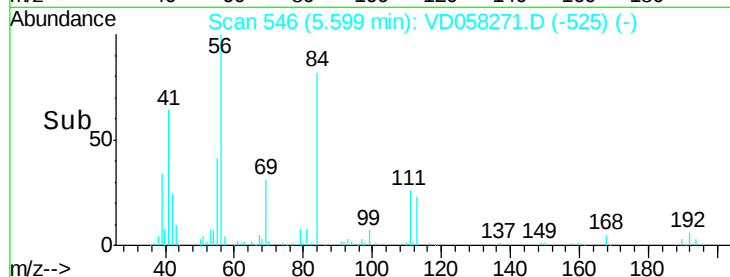
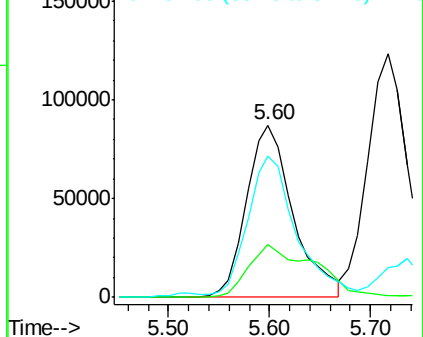
56 100

69 30.7 23.6 35.4

84 82.2 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: 22.034 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

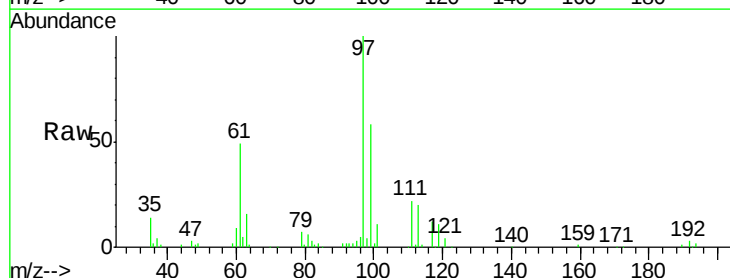
Tgt Ion: 97 Resp: 304177

Ion Ratio Lower Upper

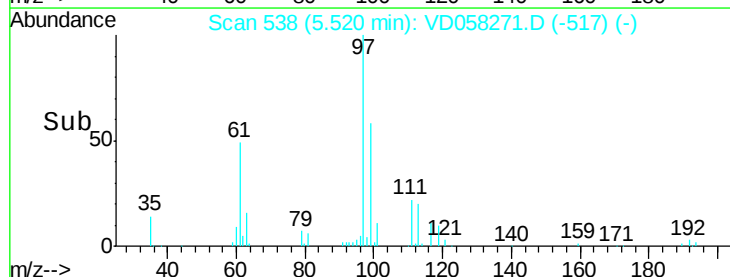
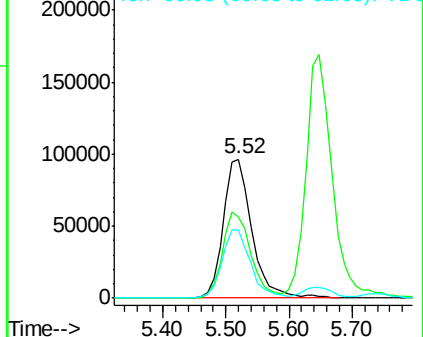
97 100

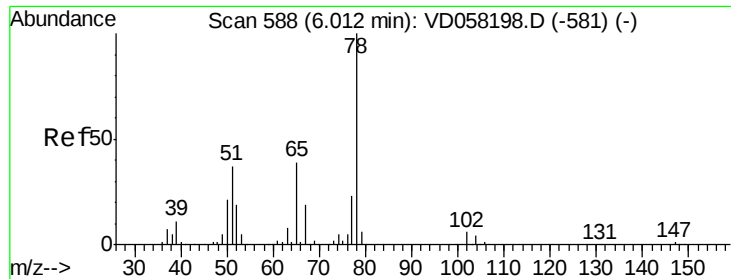
99 57.9 52.2 78.4

61 49.1 39.0 58.4



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





#33

1,2-Dichloroethane-d4

Concen: 22.034 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

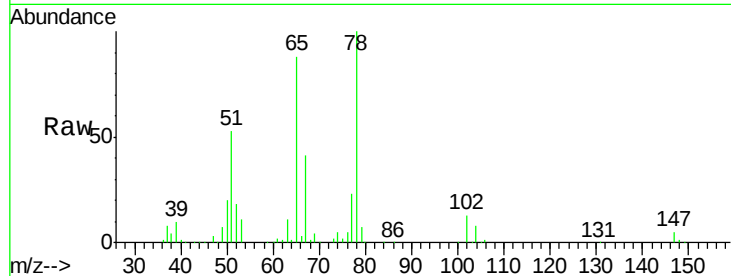
VD0621SBS02

Tot Ion: 65 Resp: 520098

Ion Ratio Lower Upper

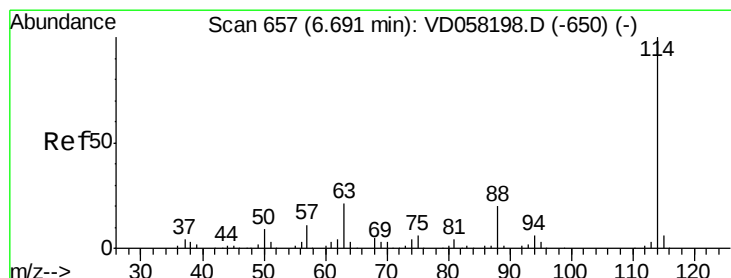
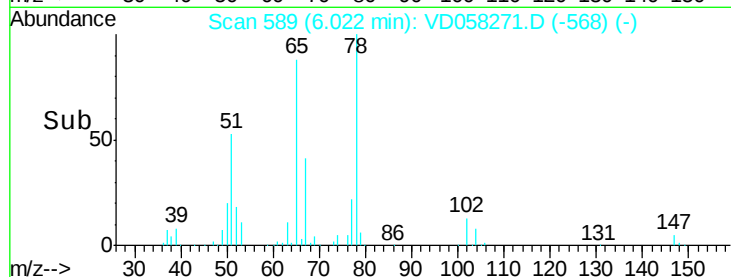
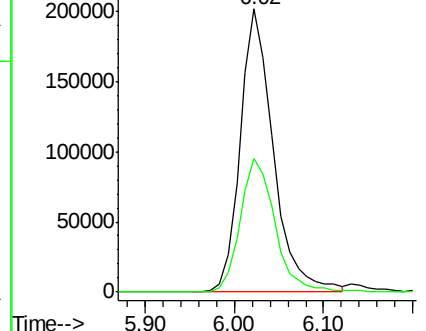
65 100

67 47.1 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: 6.69 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

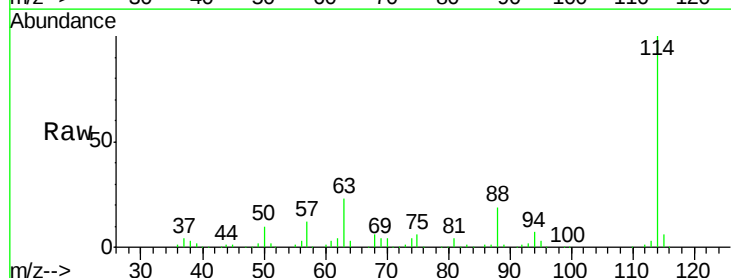
Tgt Ion: 114 Resp: 1203928

Ion Ratio Lower Upper

114 100

63 23.0 0.0 42.6

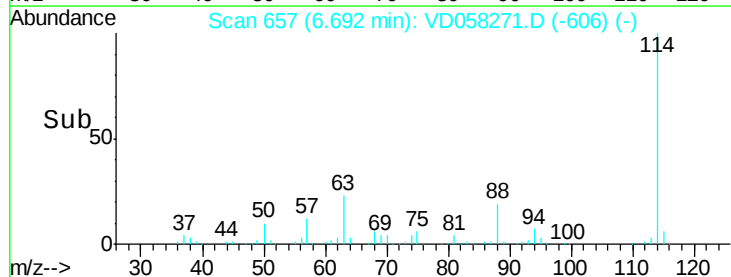
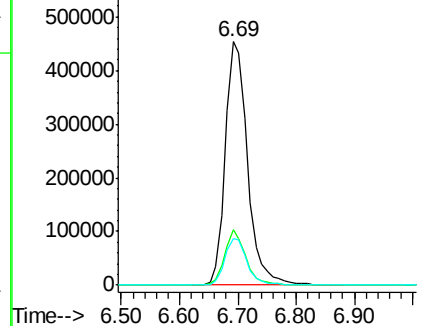
88 19.3 0.0 40.6

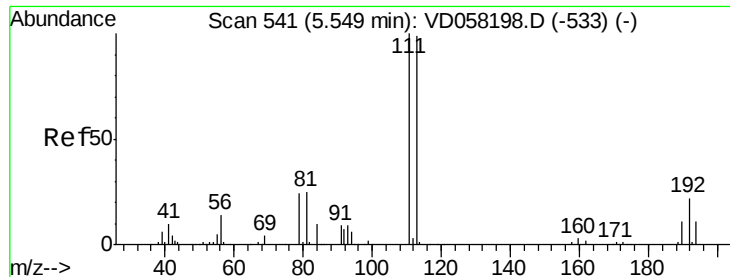


Abundance Ion 114.00 (113.70 to 114.70): V

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: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

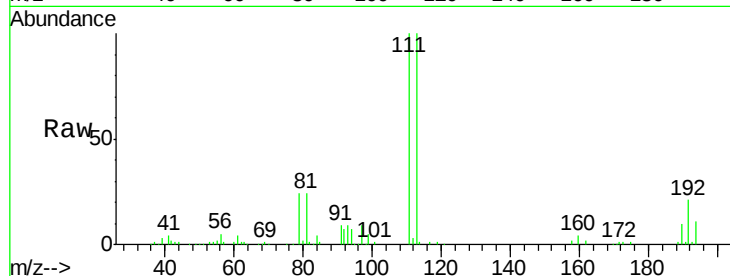
Tot Ion:113 Resp: 523814

Ion Ratio Lower Upper

113 100

111 99.8 80.6 121.0

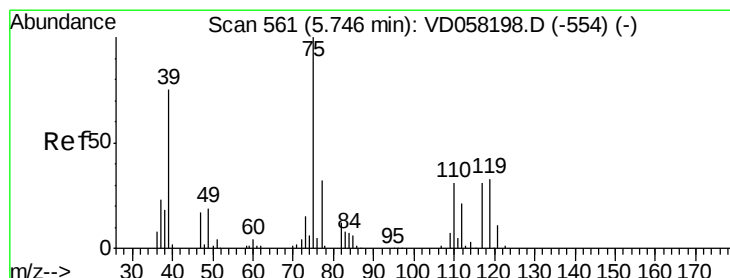
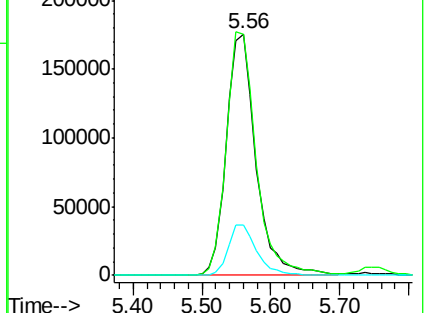
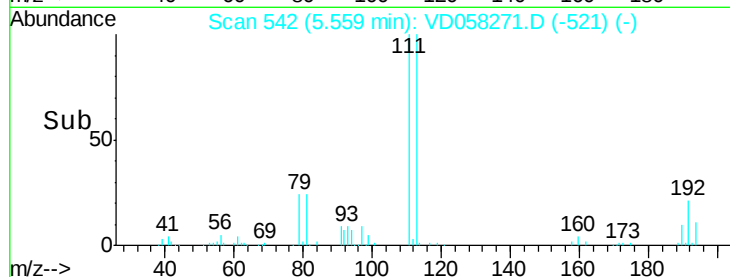
192 20.7 17.8 26.6



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: 22.797 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

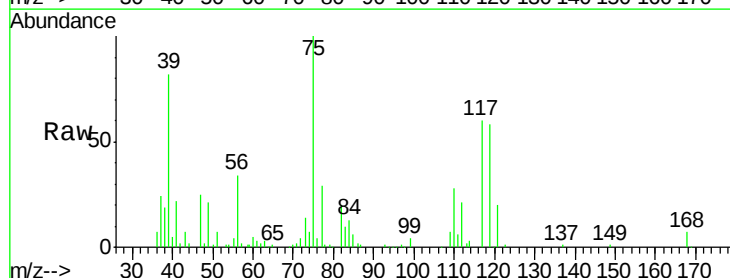
Tgt Ion: 75 Resp: 271506

Ion Ratio Lower Upper

75 100

110 27.8 15.4 46.4

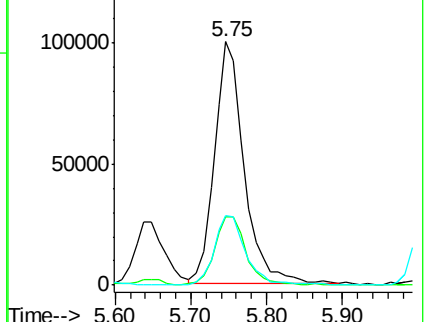
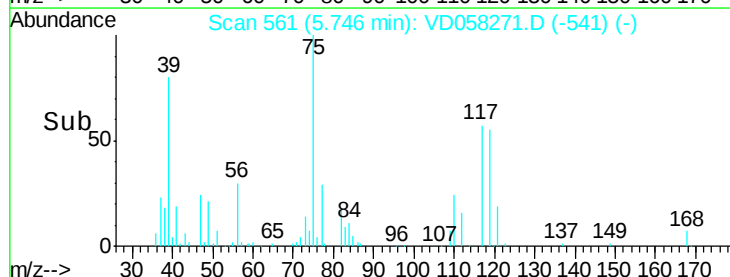
77 28.7 25.4 38.2

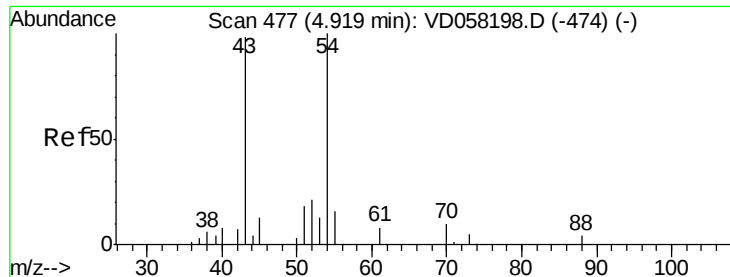


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 21.589 ug/l

RT: 4.94 min Scan# 479

Delta R.T. 0.02 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

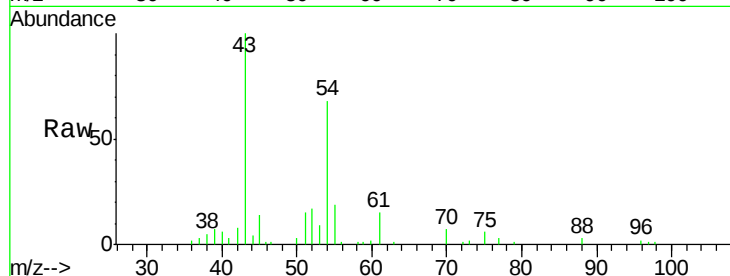
Tot Ion: 43 Resp: 146500

Ion Ratio Lower Upper

43 100

61 14.5 10.3 15.5

70 6.7 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

150000

100000

50000

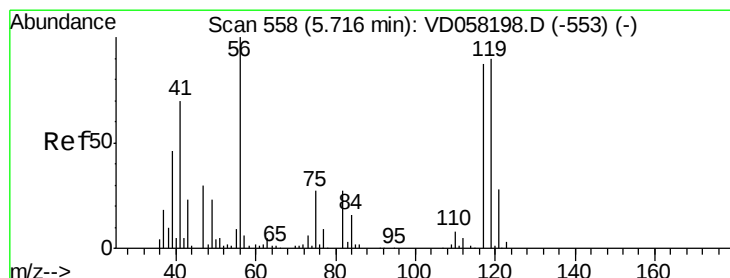
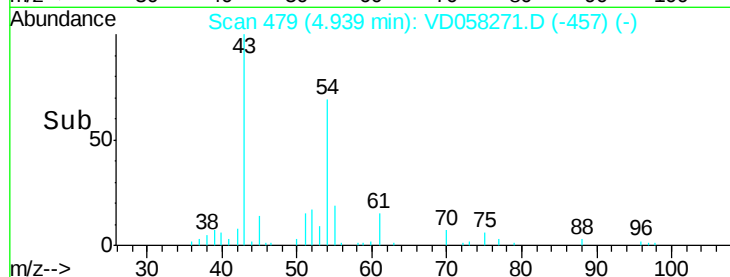
0

4.90

5.00

5.10

Time-->



#38

Carbon Tetrachloride

Concen: 22.063 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

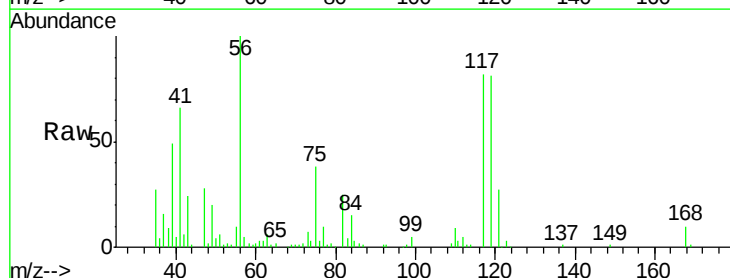
Tgt Ion: 117 Resp: 261097

Ion Ratio Lower Upper

117 100

119 98.2 78.8 118.2

121 32.9 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

120000

100000

80000

60000

40000

20000

0

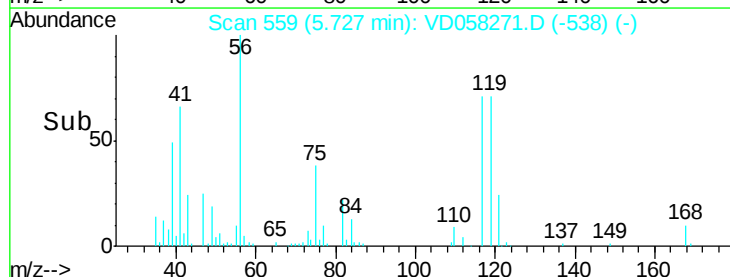
5.60

5.70

5.80

5.90

Time-->





#39

Methvlcvclohexane

Concen: 22.784 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

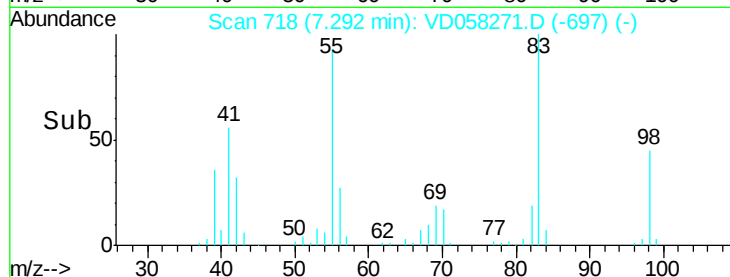
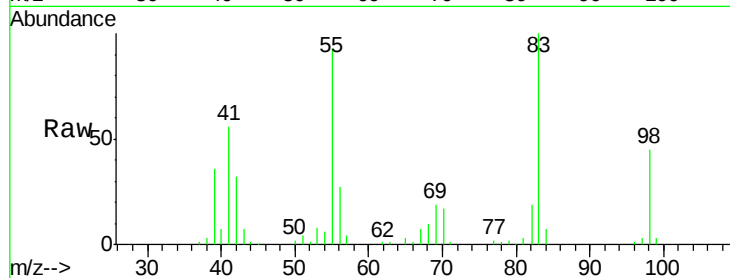
Tot Ion: 83 Resp: 264301

Ion Ratio Lower Upper

83 100

55 93.1 77.4 116.2

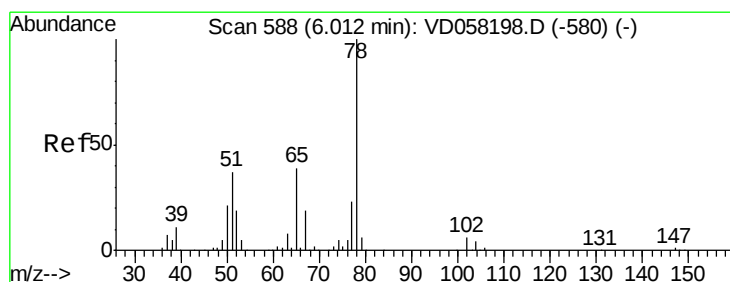
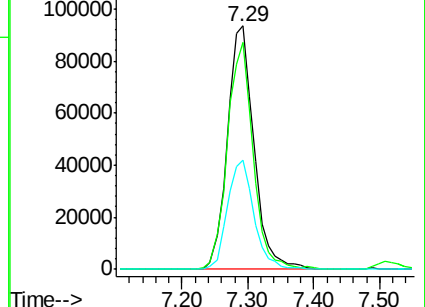
98 44.8 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.773 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058271.D

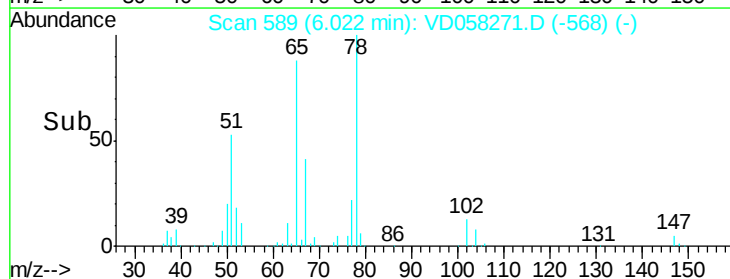
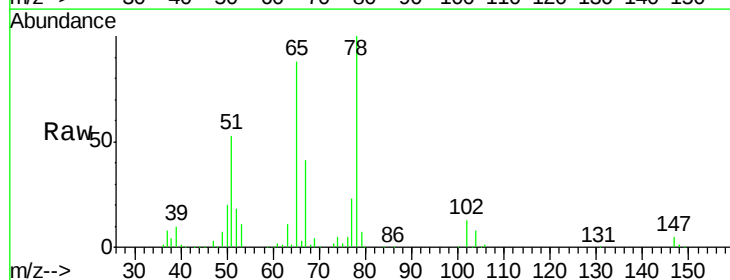
Acq: 22 Jun 2018 1:59

Tgt Ion: 78 Resp: 646075

Ion Ratio Lower Upper

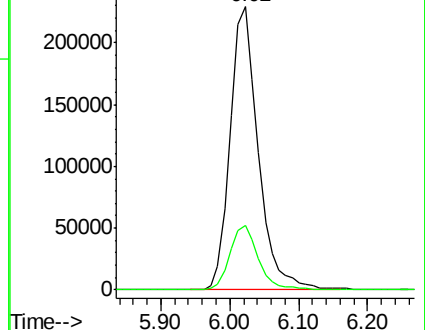
78 100

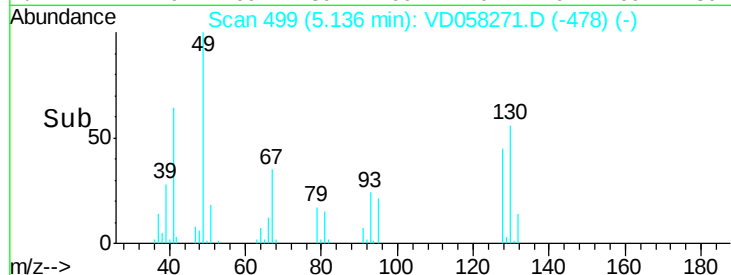
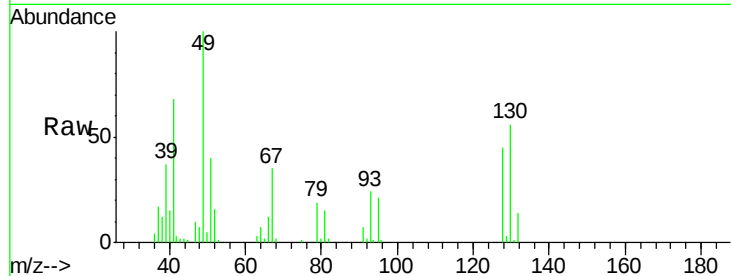
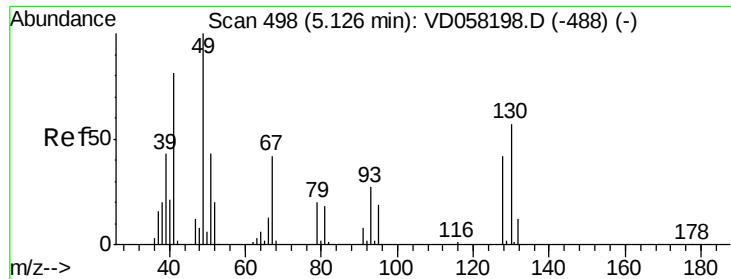
77 22.8 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

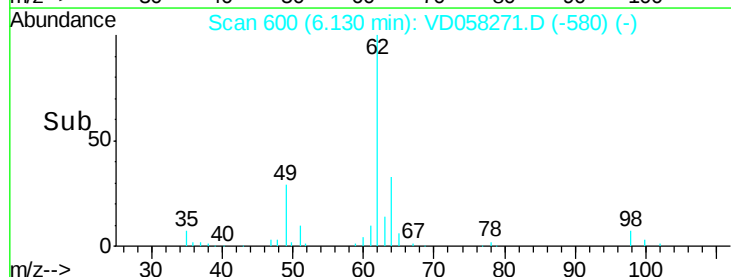
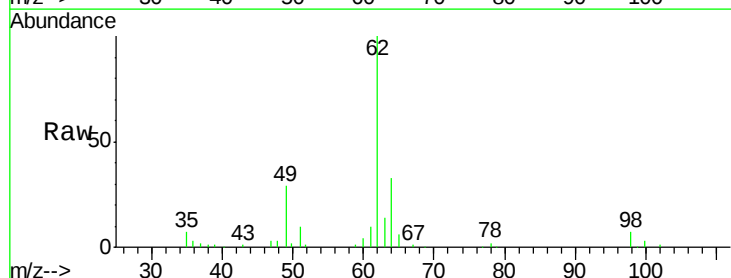
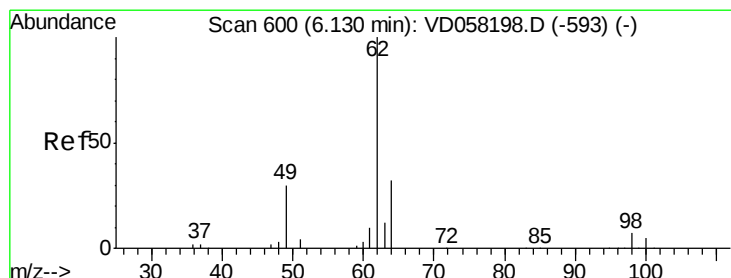
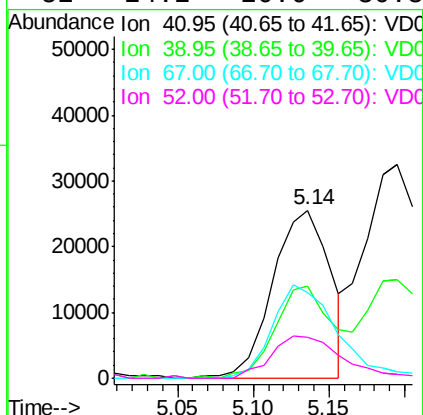




#41
Methacrylonitrile
Concen: 20.613 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

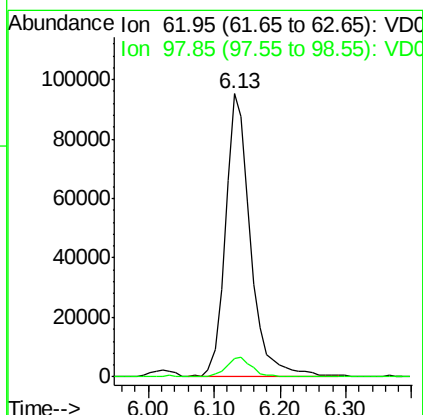
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

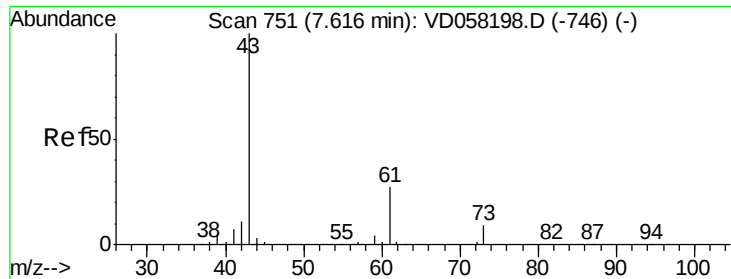
Tot Ion: 41 Resp: 67545
Ion Ratio Lower Upper
41 100
39 54.8 43.4 65.2
67 50.9 41.7 62.5
52 24.2 20.6 30.8



#42
1,2-Dichloroethane
Concen: 21.783 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Tgt Ion: 62 Resp: 249185
Ion Ratio Lower Upper
62 100
98 6.7 0.0 13.2



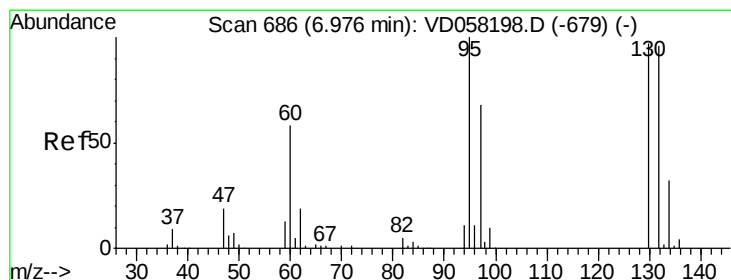
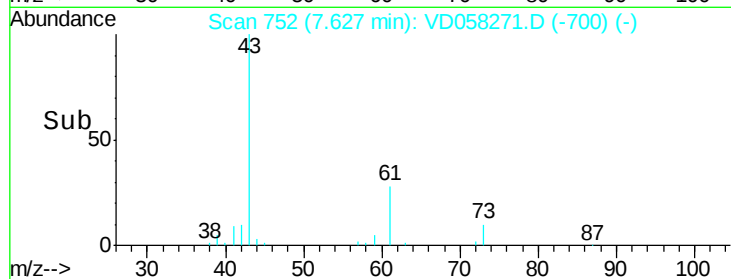
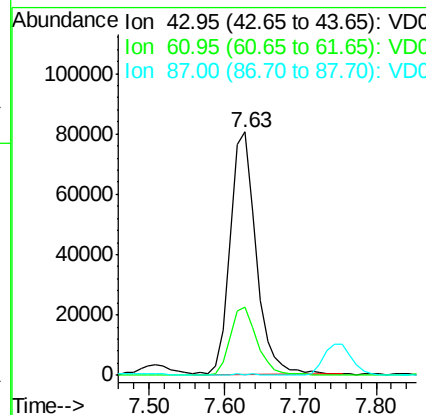
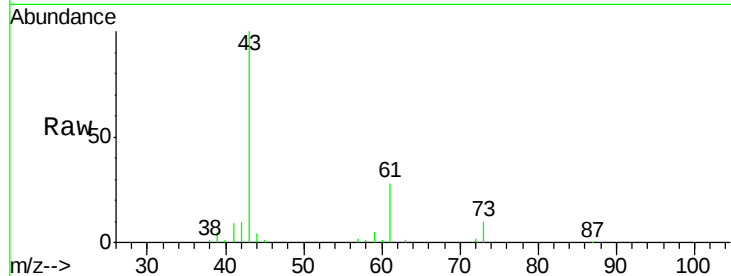


#43

Isopropyl Acetate
 Concen: 21.005 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

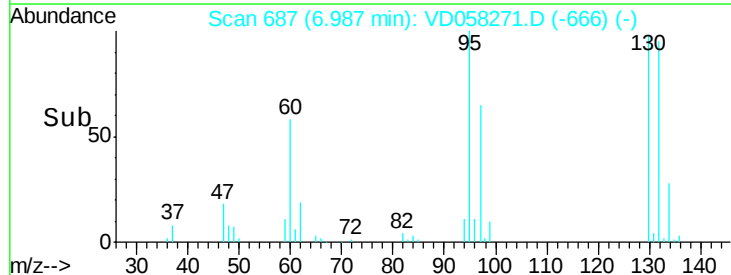
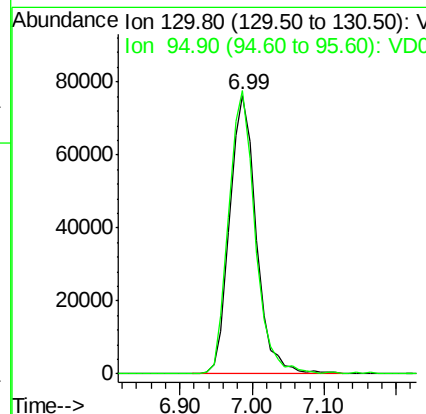
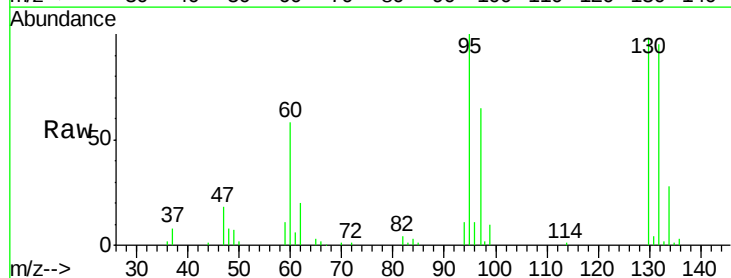
Tot Ion: 43 Resp: 190034
 Ion Ratio Lower Upper
 43 100
 61 28.0 21.8 32.6
 87 0.4 0.3 0.5

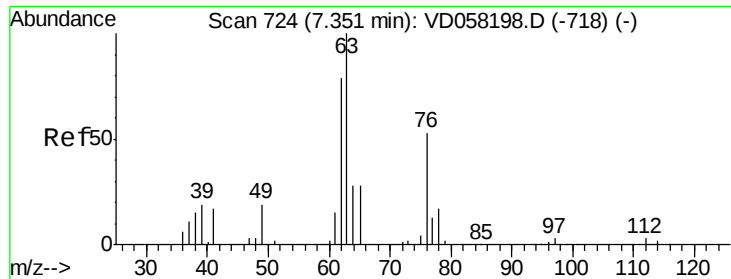


#44

Trichloroethene
 Concen: 22.896 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Tgt Ion: 130 Resp: 195054
 Ion Ratio Lower Upper
 130 100
 95 101.7 0.0 205.6





#45

1,2-Dichloropropane

Concen: 21.902 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

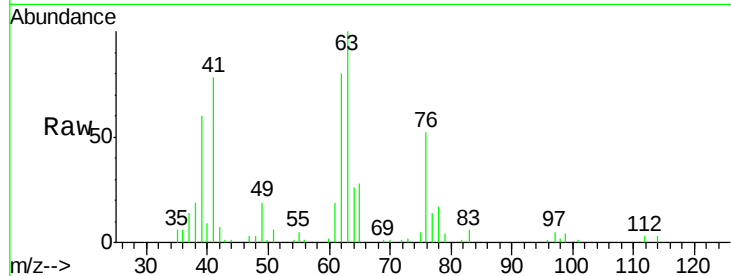
VD0621SBS02

Tot Ion: 63 Resp: 167345

Ion Ratio Lower Upper

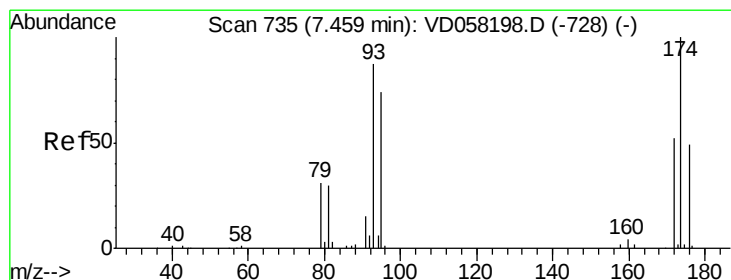
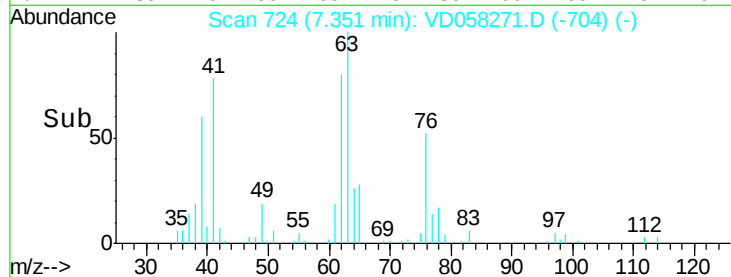
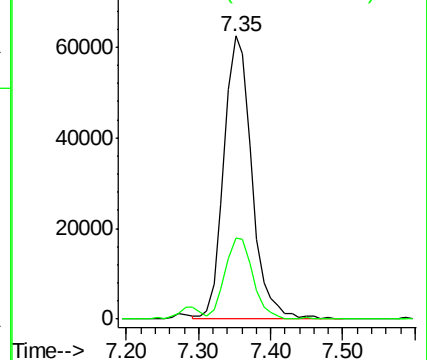
63 100

65 28.5 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.467 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

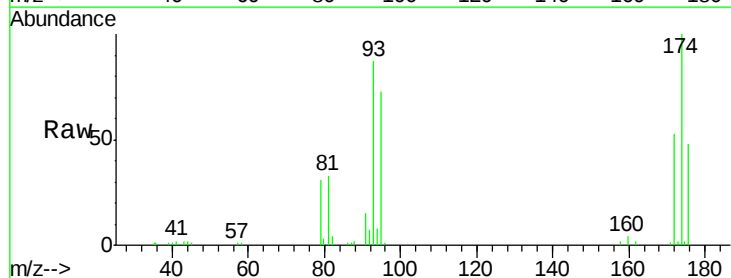
Tgt Ion: 93 Resp: 122403

Ion Ratio Lower Upper

93 100

95 84.4 67.8 101.6

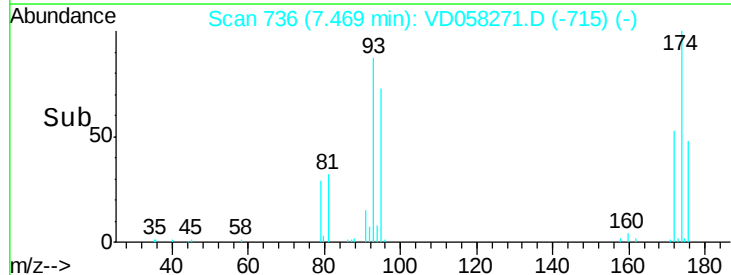
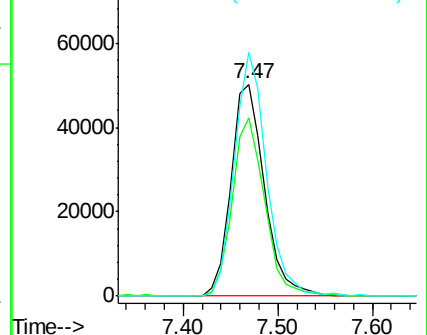
174 114.8 92.2 138.2

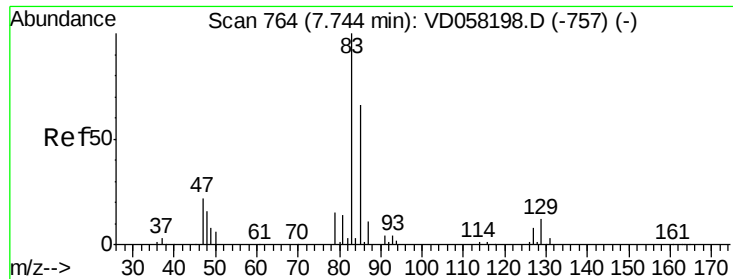


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.136 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

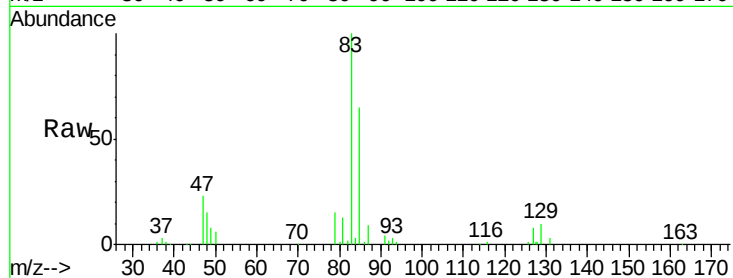
Tot Ion: 83 Resp: 263296

Ion Ratio Lower Upper

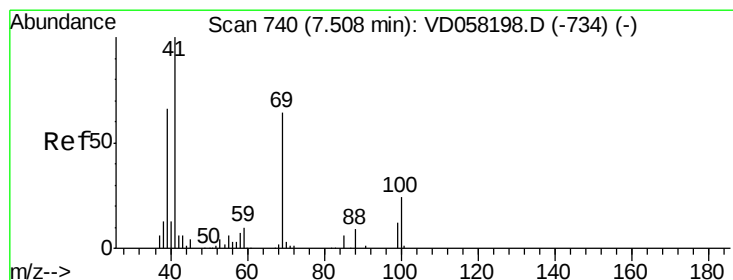
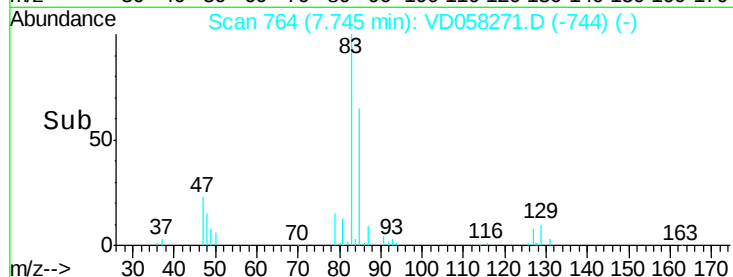
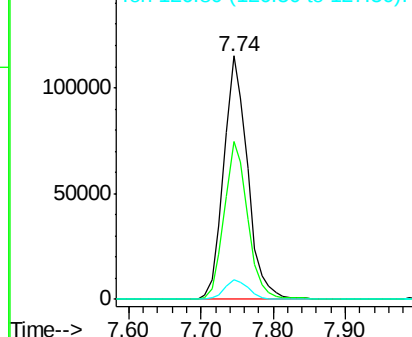
83 100

85 64.9 52.6 78.8

127 8.0 6.2 9.4



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



#48

Methyl methacrylate

Concen: 21.022 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

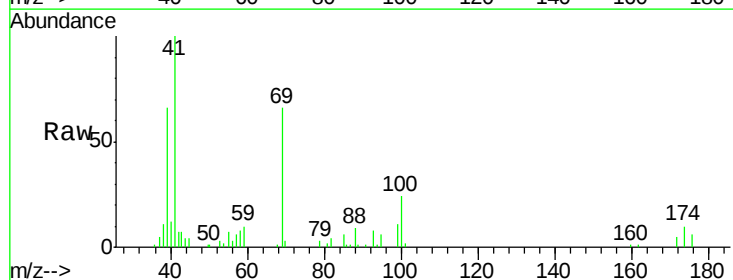
Tgt Ion: 41 Resp: 115591

Ion Ratio Lower Upper

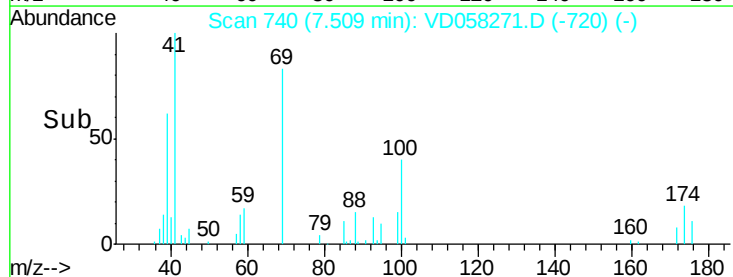
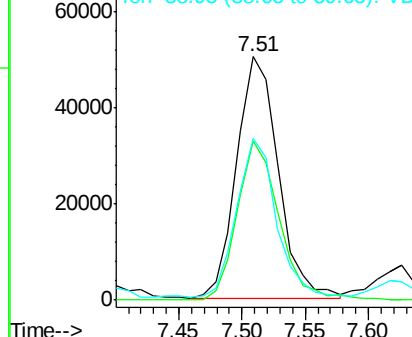
41 100

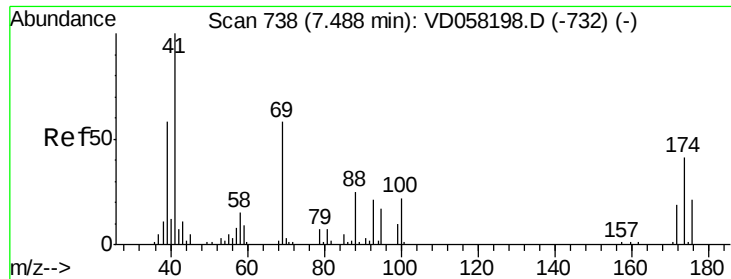
69 65.5 50.7 76.1

39 66.4 52.6 78.8



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





#49

1,4-Dioxane

Concen: 427.372 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

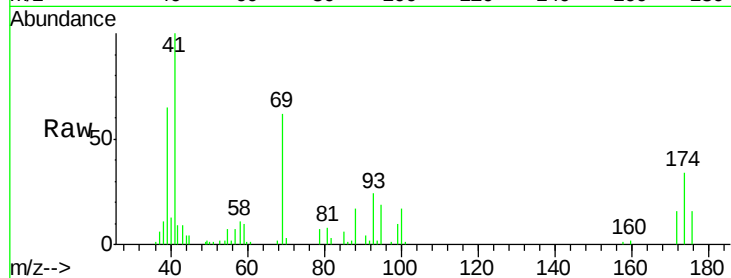
Tot Ion: 88 Resp: 21212

Ion Ratio Lower Upper

88 100

43 54.1 34.2 51.2#

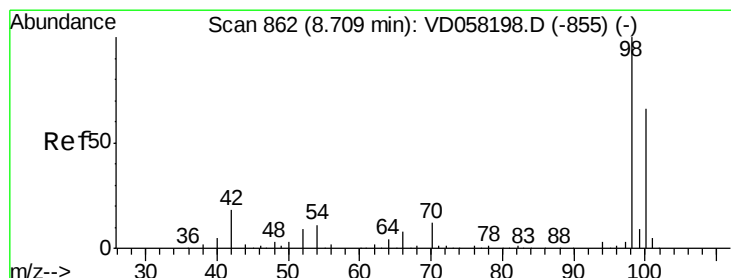
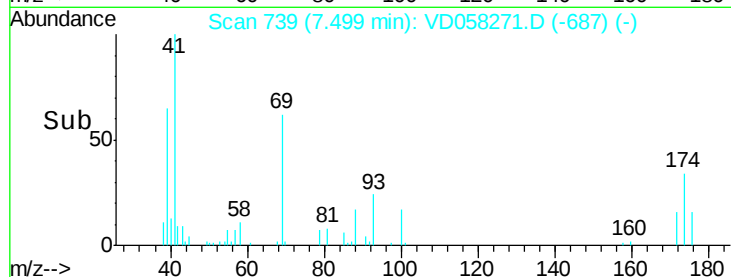
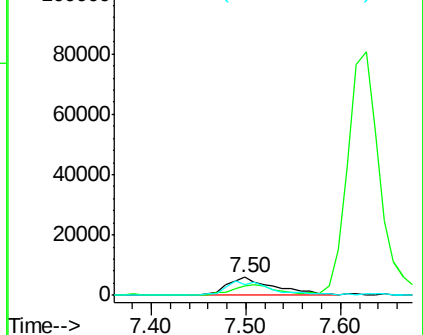
58 62.8 47.9 71.9



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: 427.372 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058271.D

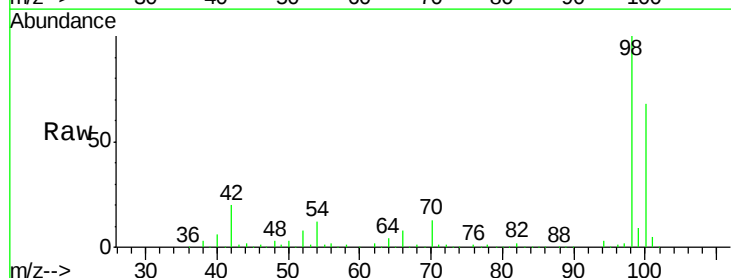
Acq: 22 Jun 2018 1:59

Tgt Ion: 98 Resp: 1230808

Ion Ratio Lower Upper

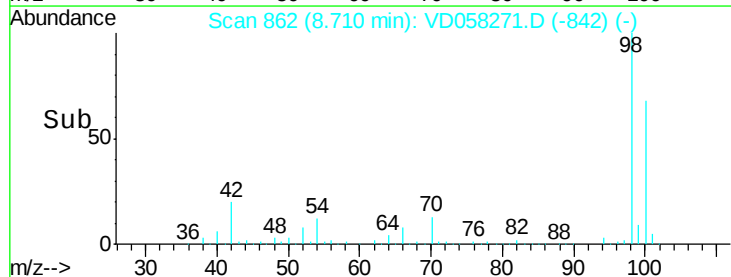
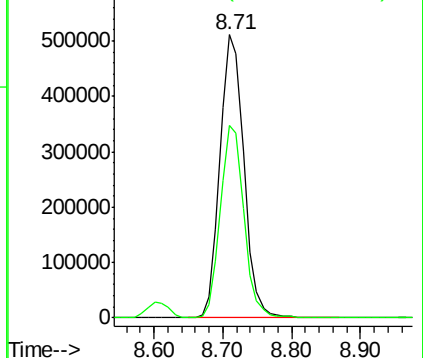
98 100

100 68.1 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: 110.830 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

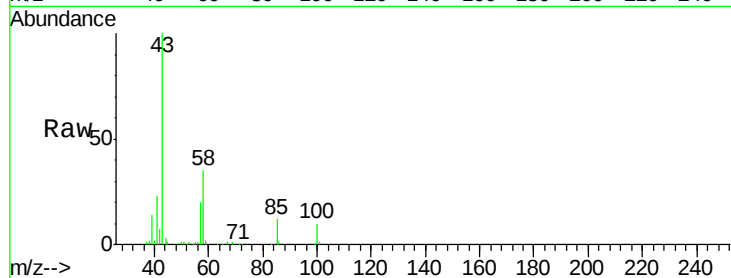
VD0621SBS02

Tot Ion: 43 Resp: 654013

Ion Ratio Lower Upper

43 100

58 34.6 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

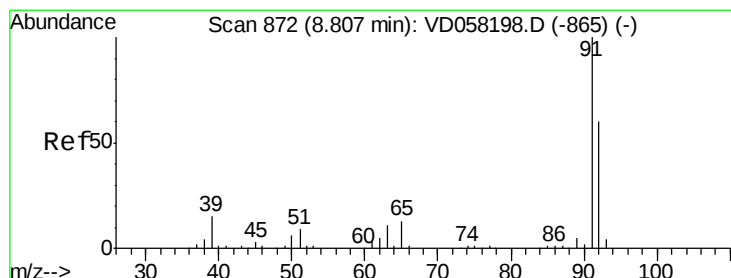
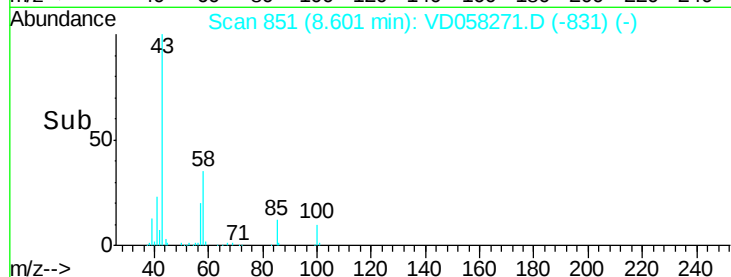
150000

100000

50000

0

Time--> 8.40 8.50 8.60 8.70



#52

Toluene

Concen: 23.302 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058271.D

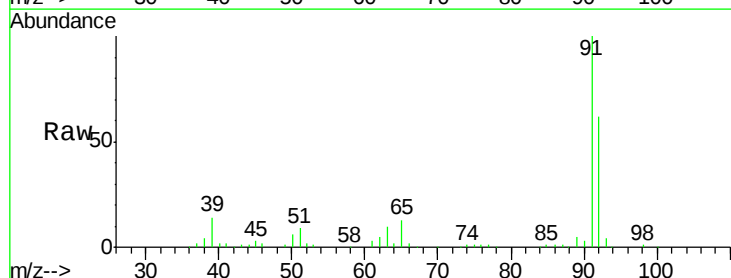
Acq: 22 Jun 2018 1:59

Tgt Ion: 92 Resp: 376442

Ion Ratio Lower Upper

92 100

91 162.2 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

250000

200000

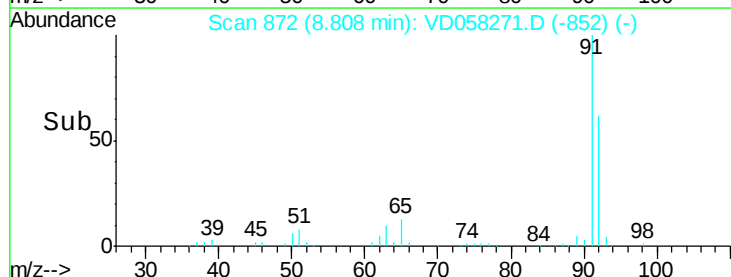
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00

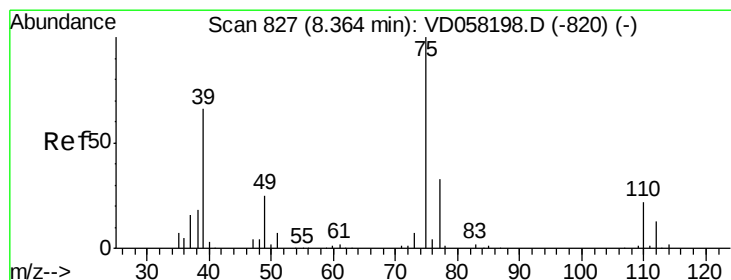
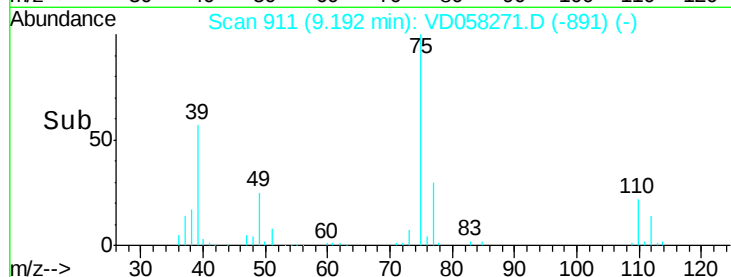
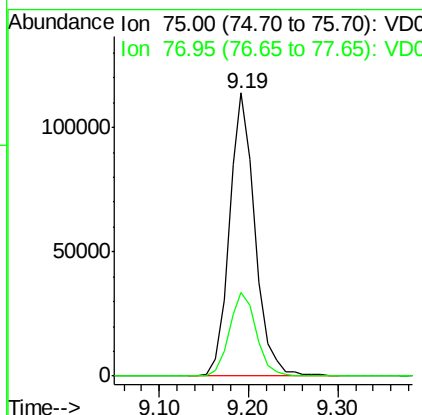
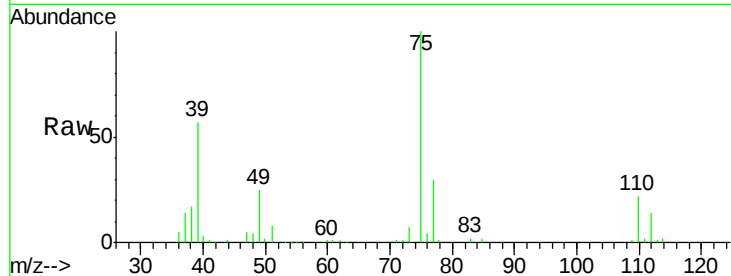




#53
t-1,3-Dichloropropene
Concen: 22.096 ug/l
RT: 9.19 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

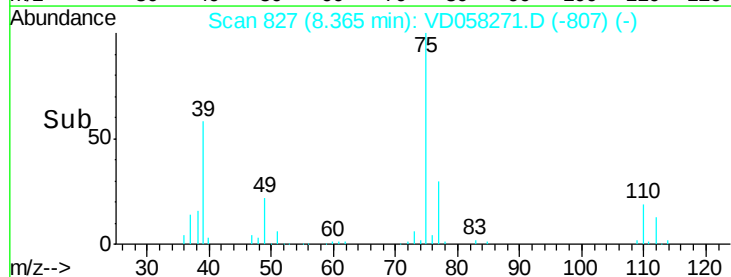
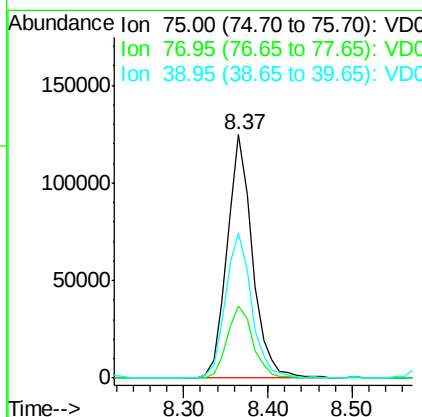
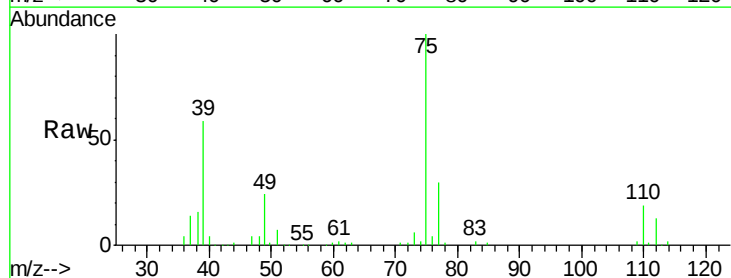
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

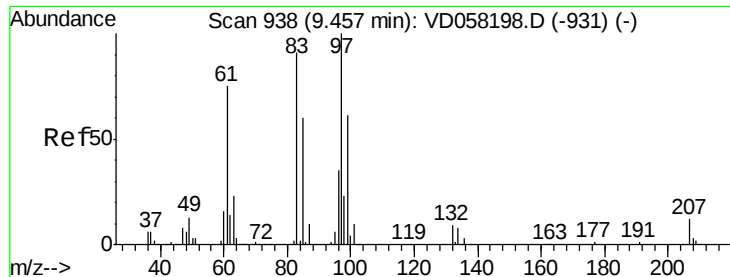
Tot Ion: 75 Resp: 228496
Ion Ratio Lower Upper
75 100
77 29.6 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 21.488 ug/l
RT: 8.37 min Scan# 827
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Tgt Ion: 75 Resp: 260516
Ion Ratio Lower Upper
75 100
77 29.7 26.5 39.7
39 59.4 52.9 79.3

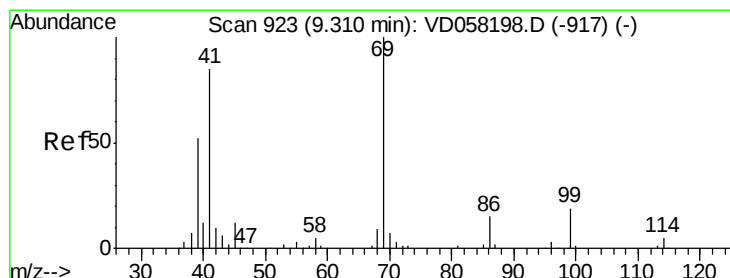
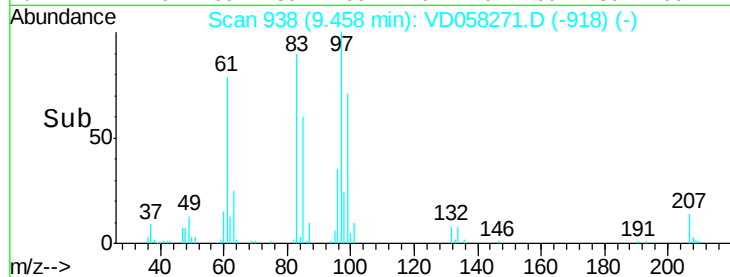
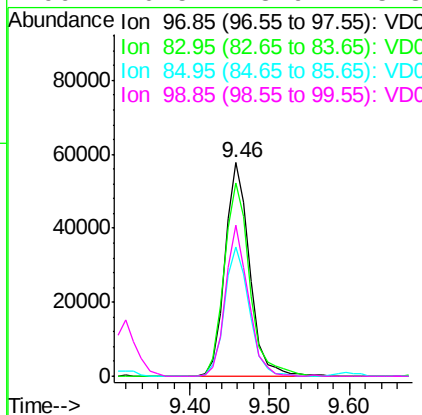
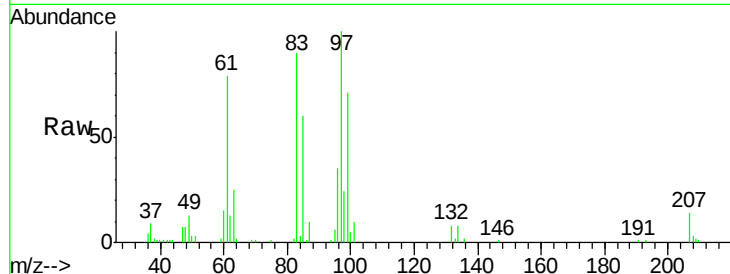




#55
 1,1,2-Trichloroethane
 Concen: 22.010 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

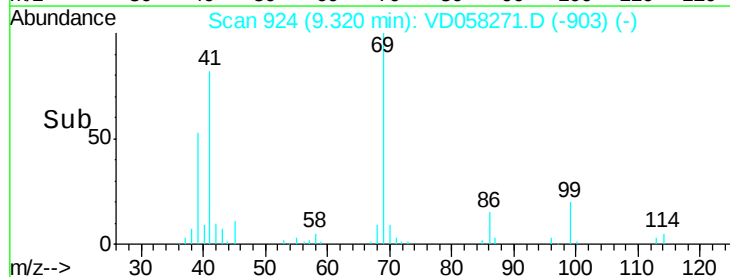
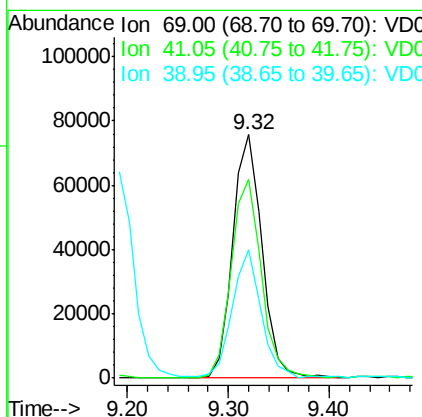
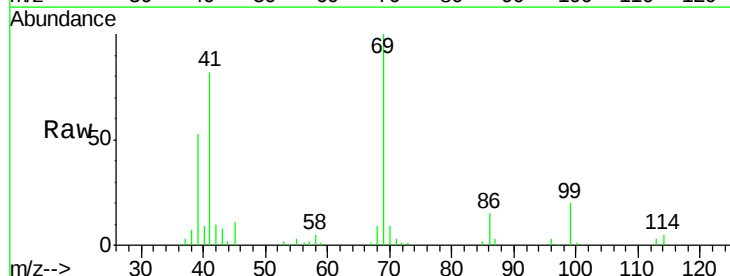
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

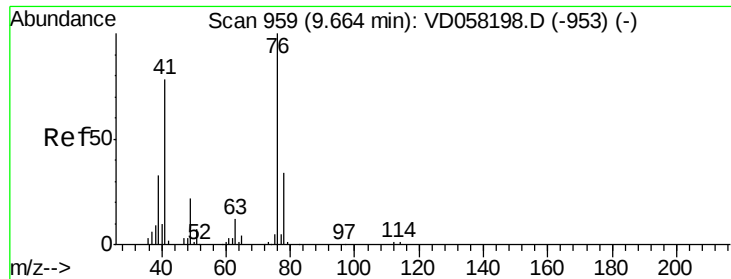
Tot Ion:	97	Resp:	125797
Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.9	109.3
85	60.3	48.2	72.4
99	70.5	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 22.348 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Tgt Ion:	69	Resp:	152756
Ion	Ratio	Lower	Upper
69	100		
41	81.7	67.6	101.4
39	52.8	42.2	63.2





#57

1,3-Dichloropropane

Concen: 22.537 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

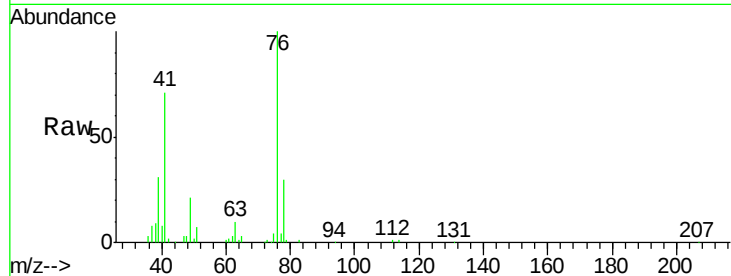
VD0621SBS02

Tot Ion: 76 Resp: 216979

Ion Ratio Lower Upper

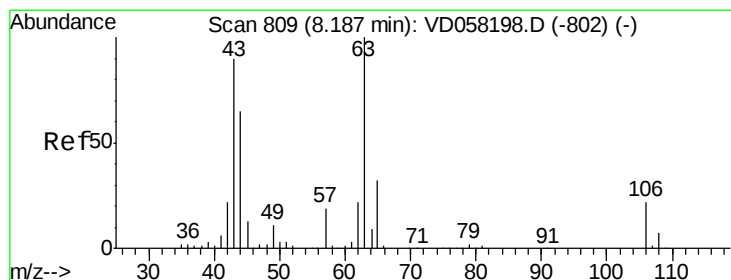
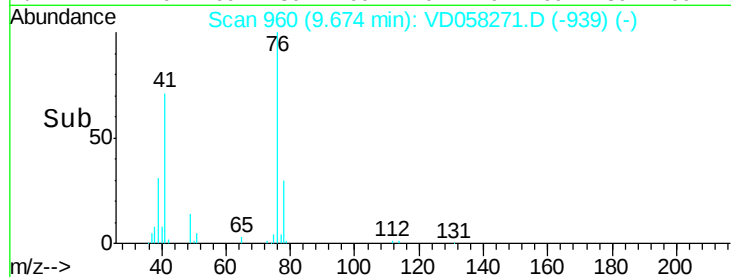
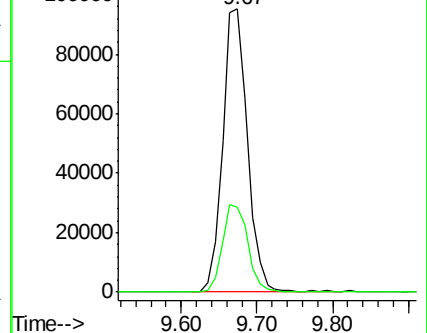
76 100

78 30.2 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: 115.091 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058271.D

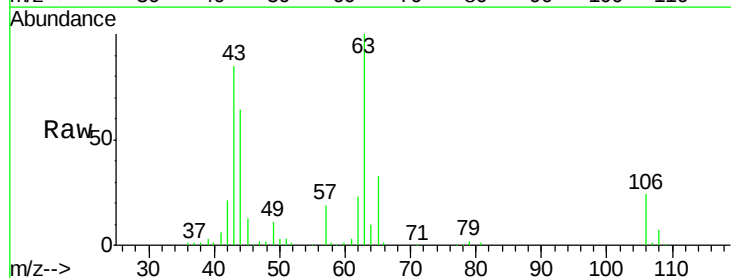
Acq: 22 Jun 2018 1:59

Tgt Ion: 63 Resp: 389456

Ion Ratio Lower Upper

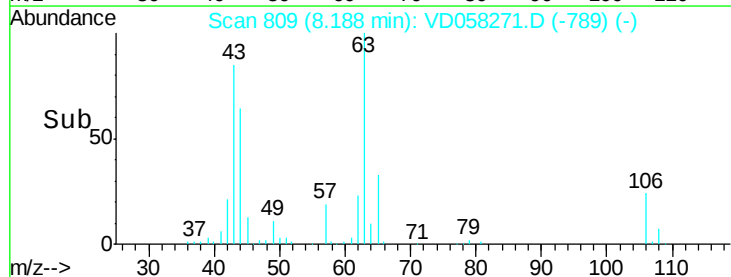
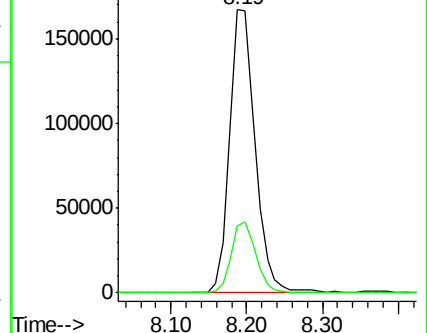
63 100

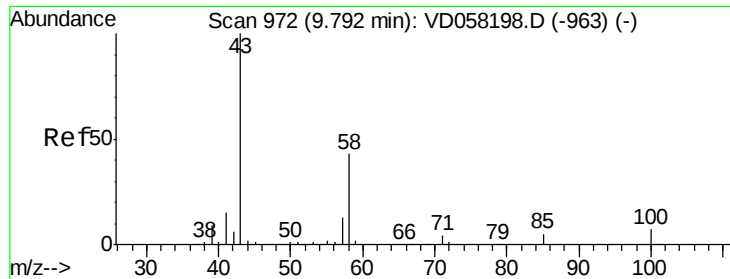
106 23.6 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

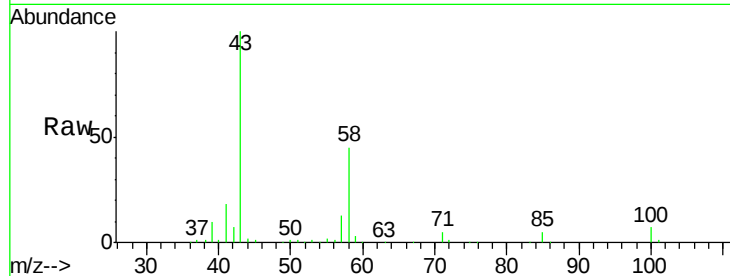




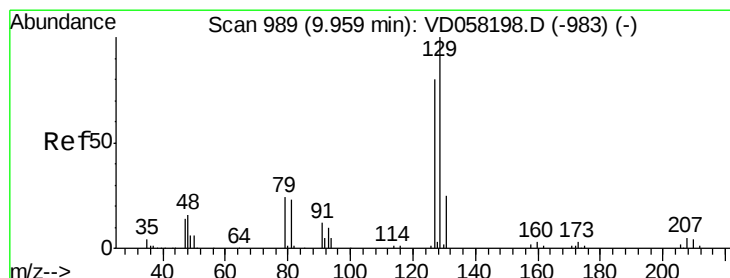
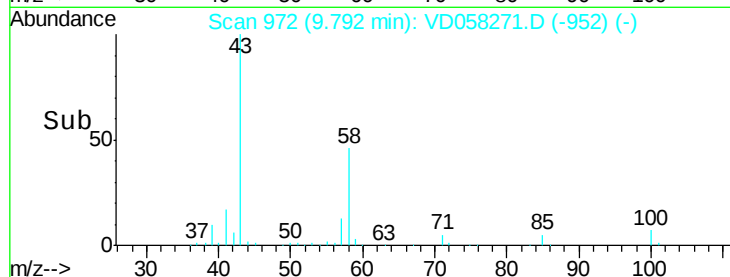
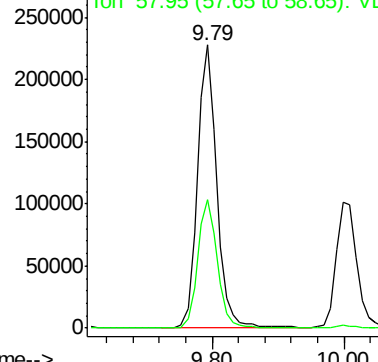
#59
2-Hexanone
Concen: 109.530 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

Tot Ion: 43 Resp: 467037
Ion Ratio Lower Upper
43 100
58 45.3 21.7 65.1

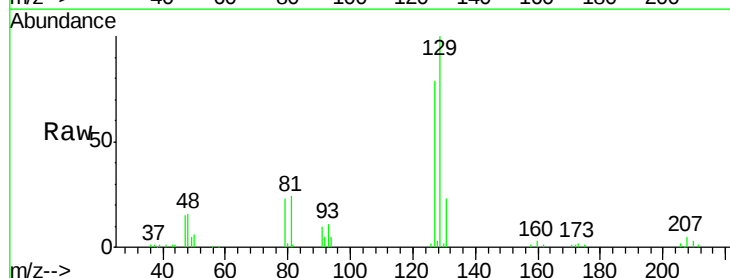


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

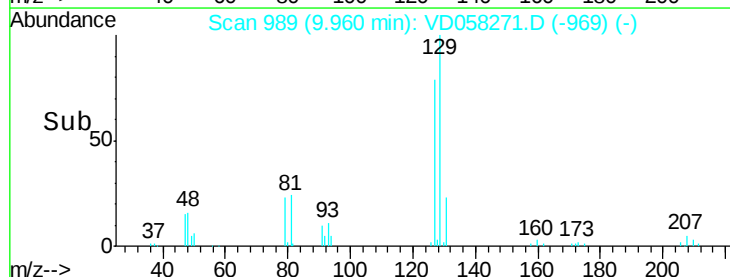
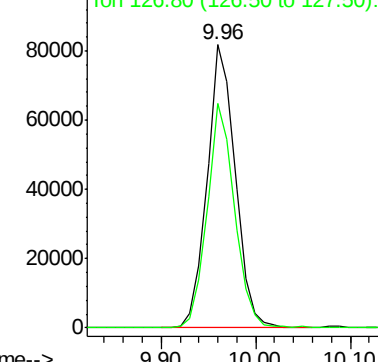


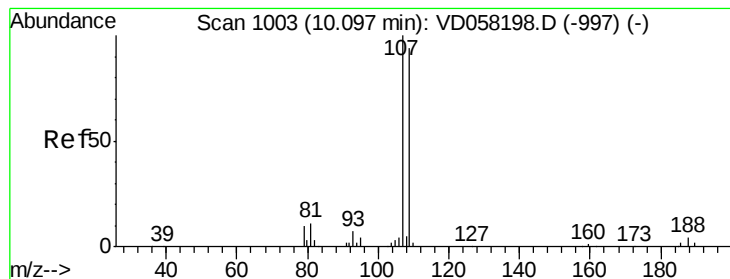
#60
Dibromochloromethane
Concen: 21.607 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Tgt Ion: 129 Resp: 167596
Ion Ratio Lower Upper
129 100
127 79.1 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.820 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

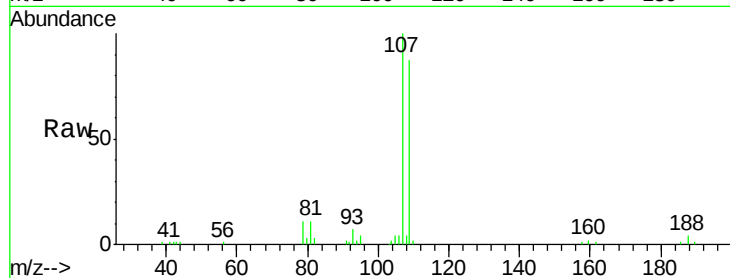
VD0621SBS02

Tot Ion:107 Resp: 142752

Ion Ratio Lower Upper

107 100

109 87.4 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

80000

60000

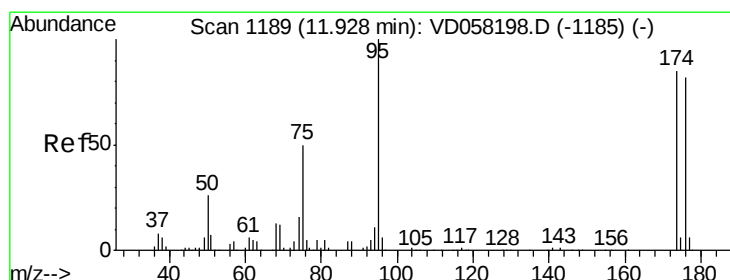
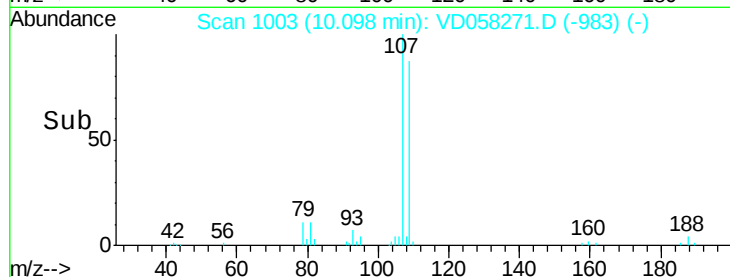
40000

20000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 22.820 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

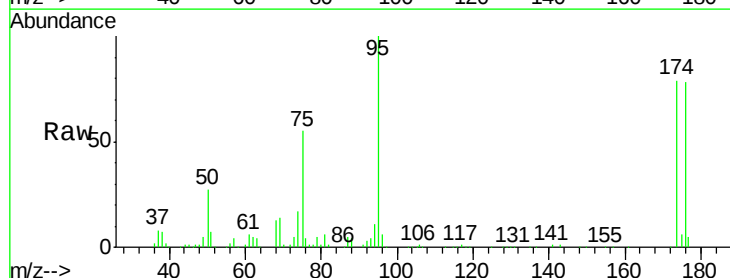
Tgt Ion: 95 Resp: 509115

Ion Ratio Lower Upper

95 100

174 79.1 0.0 170.2

176 78.2 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

11.93

400000

300000

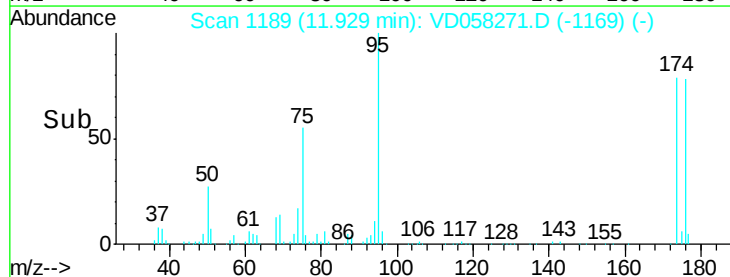
200000

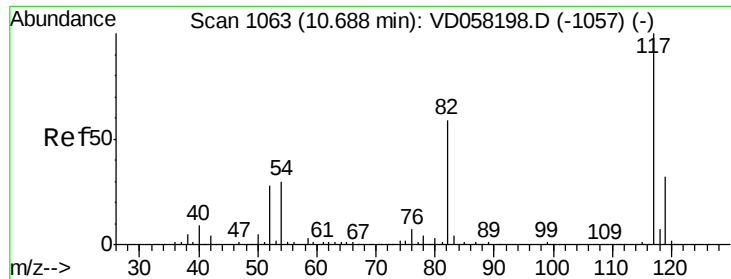
100000

0

Time-->

11.90 12.00





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

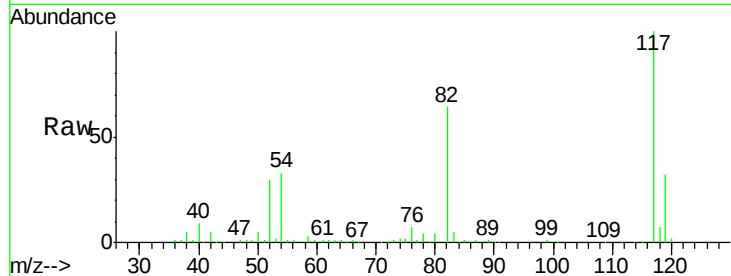
Tot Ion:117 Resp: 983789

Ion Ratio Lower Upper

117 100

82 64.3 47.0 70.6

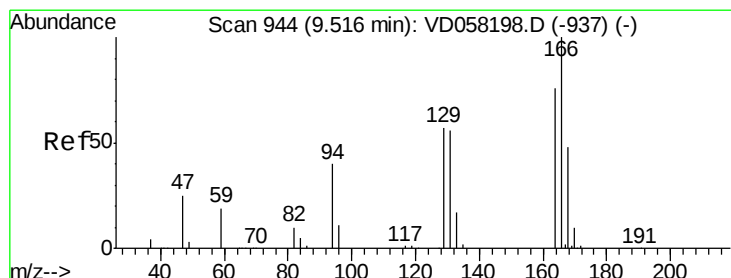
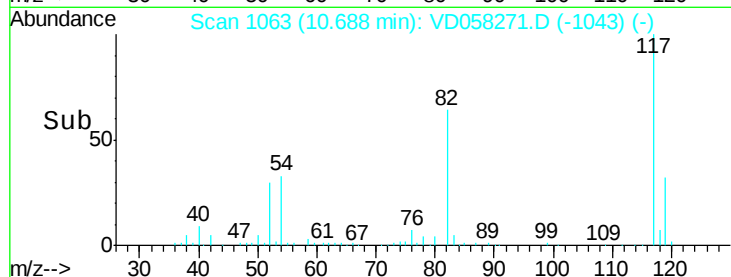
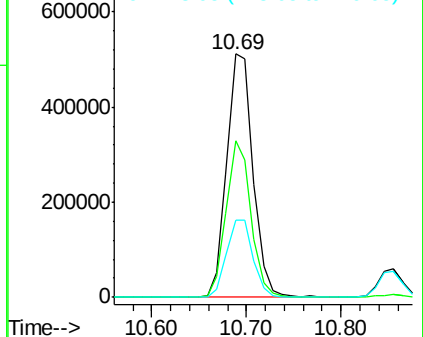
119 31.9 25.3 37.9



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: 24.422 ug/l

RT: 9.52 min Scan# 944

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Tgt Ion:164 Resp: 202160

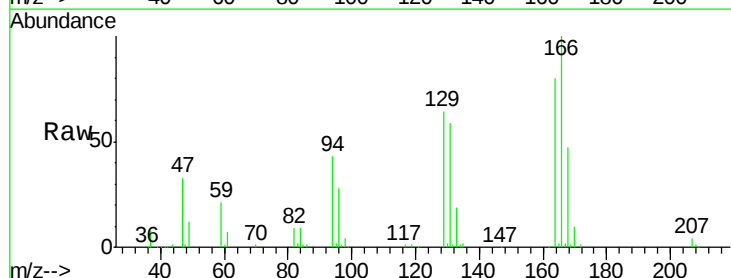
Ion Ratio Lower Upper

164 100

166 124.4 105.4 158.0

129 80.0 59.6 89.4

131 73.3 59.4 89.2

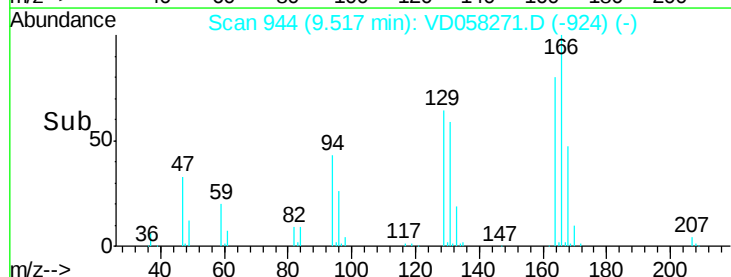
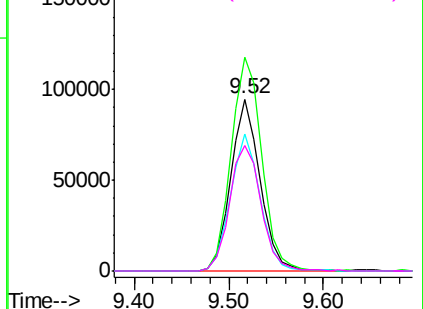


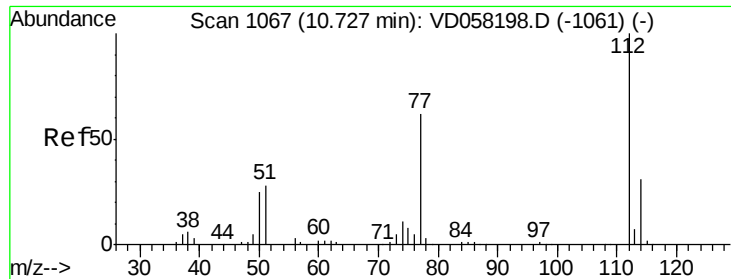
Abundance Ion 163.85 (163.55 to 164.55): V

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

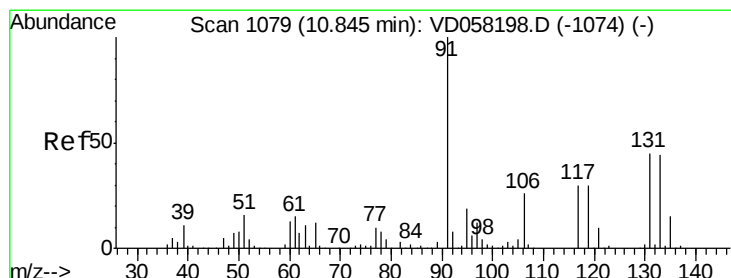
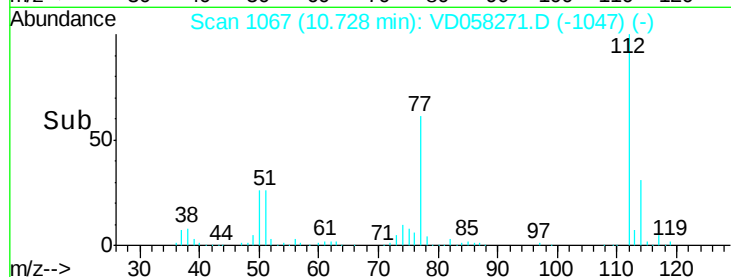
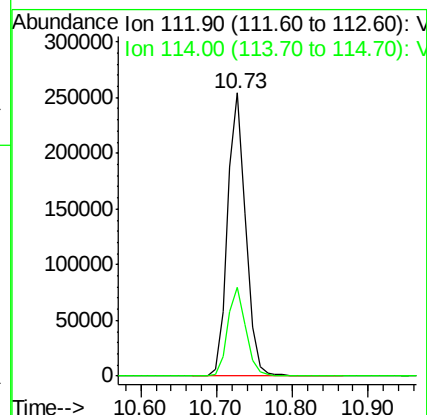
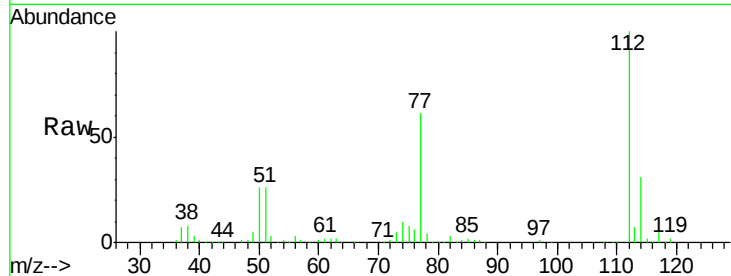




#65
Chlorobenzene
Concen: 22.967 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

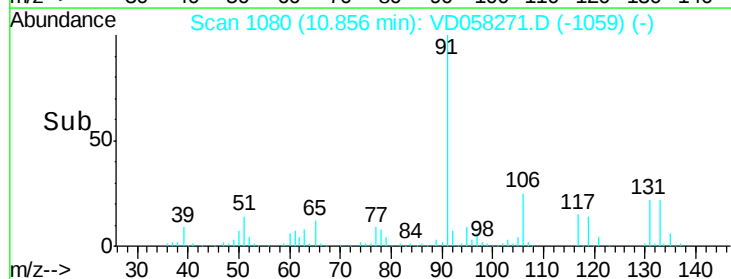
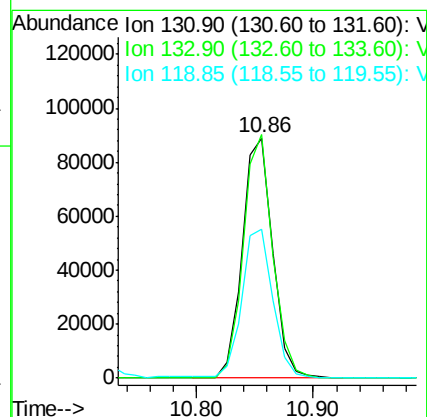
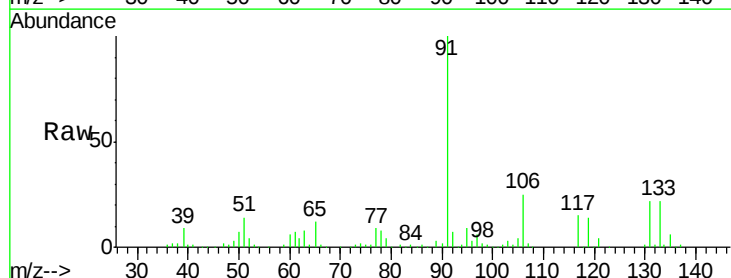
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

Tot Ion:112 Resp: 422637
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.468 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Tgt Ion:131 Resp: 159562
Ion Ratio Lower Upper
131 100
133 101.5 48.6 145.9
119 62.0 33.0 99.0

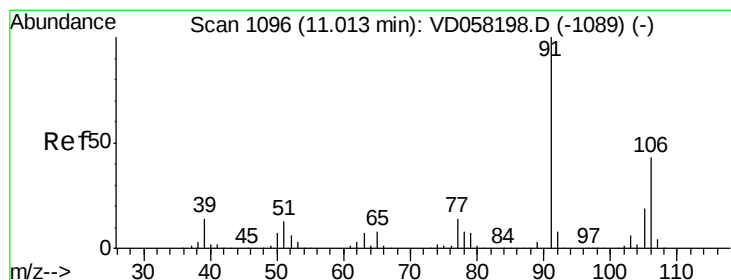
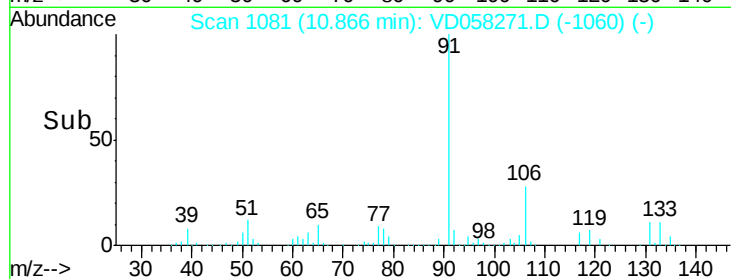
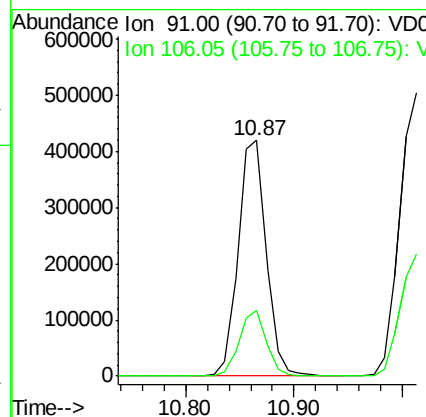
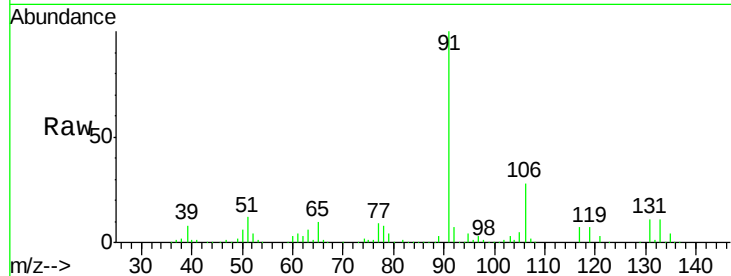




#67
Ethyl Benzene
Concen: 23.238 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

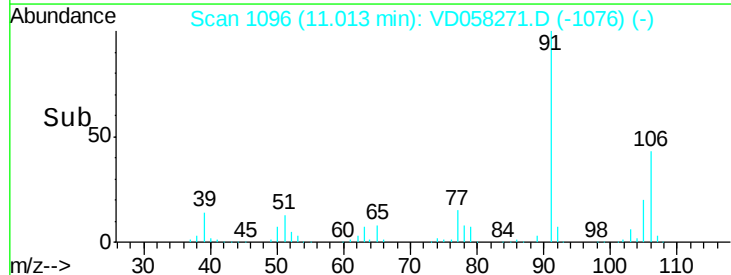
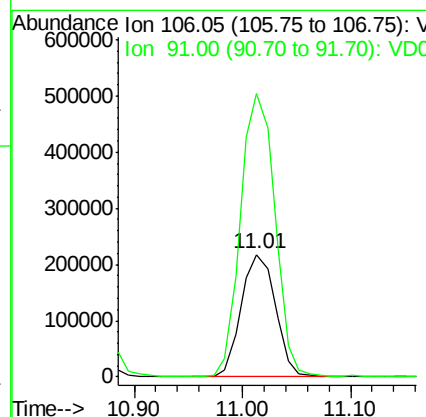
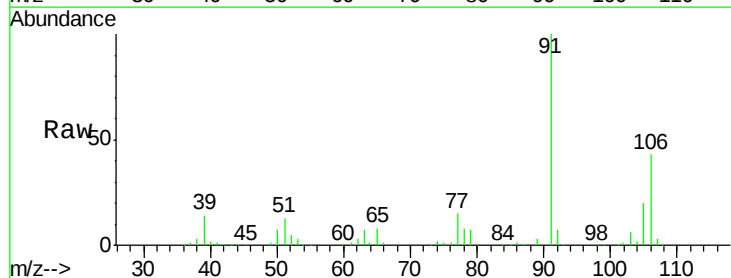
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

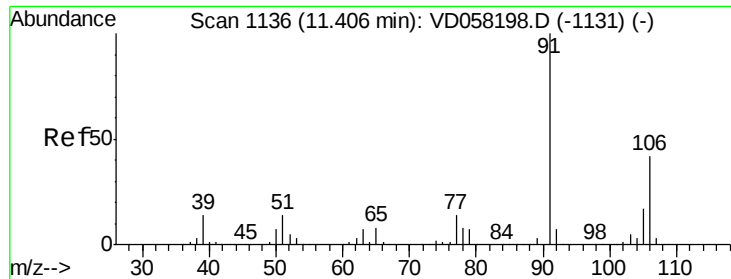
Tot Ion: 91 Resp: 754960
Ion Ratio Lower Upper
91 100
106 28.0 22.0 33.0



#68
m/p-Xylenes
Concen: 44.505 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Tgt Ion: 106 Resp: 482171
Ion Ratio Lower Upper
106 100
91 231.0 185.0 277.6

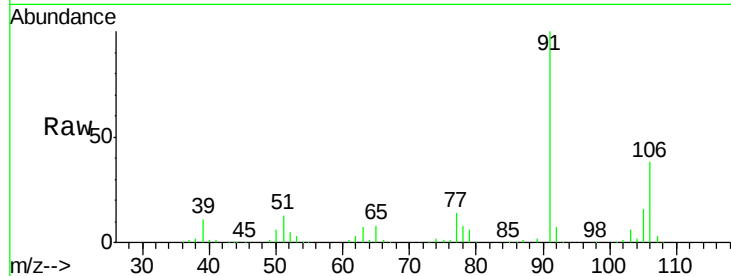




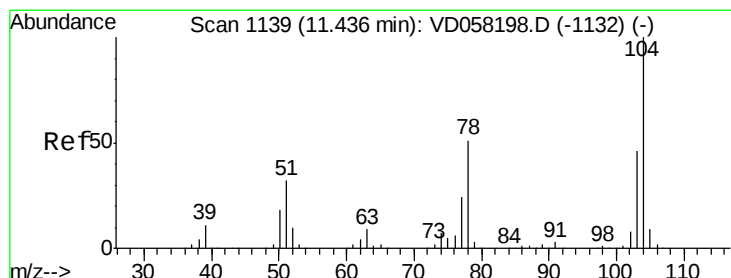
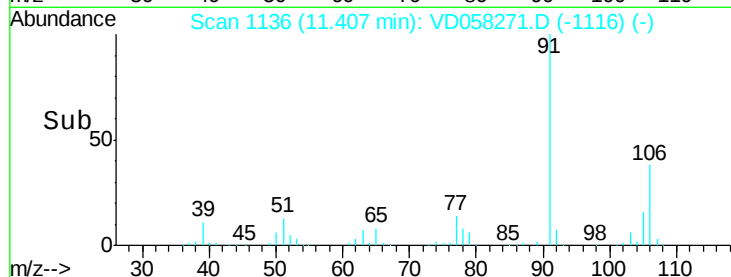
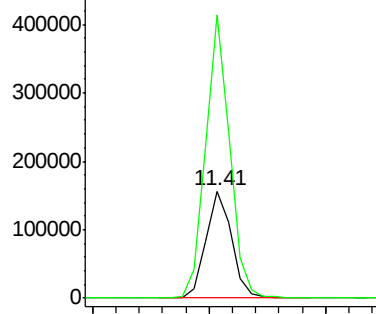
#69
o-Xylene
Concen: 23.069 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

Tot Ion:106 Resp: 238715
Ion Ratio Lower Upper
106 100
91 264.7 120.2 360.6

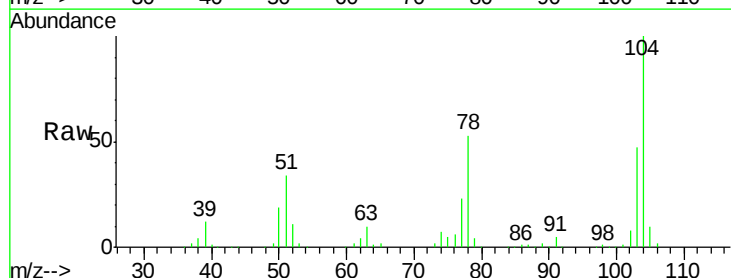


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

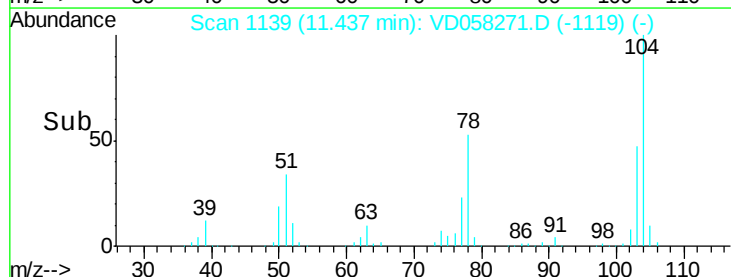
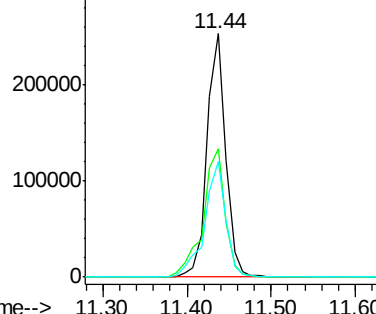


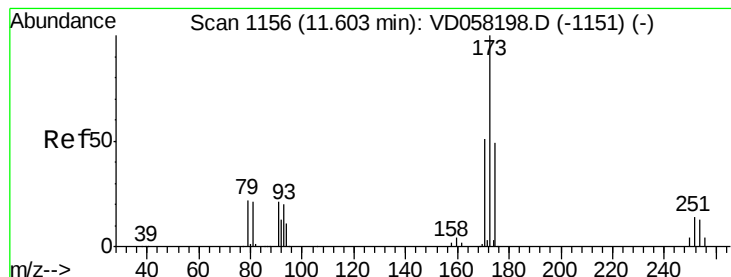
#70
Styrene
Concen: 22.161 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Tgt Ion:104 Resp: 391311
Ion Ratio Lower Upper
104 100
78 53.0 40.8 61.2
103 47.4 37.0 55.6



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





#71

Bromoform

Concen: 20.010 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

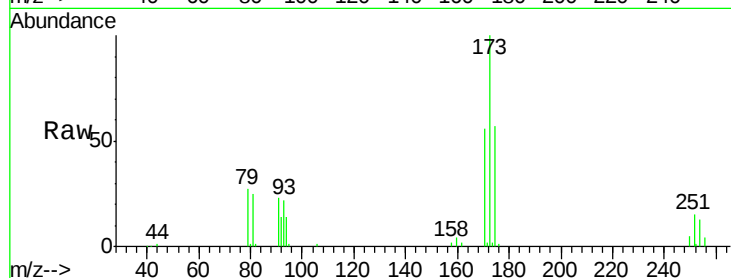
Tot Ion:173 Resp: 113357

Ion Ratio Lower Upper

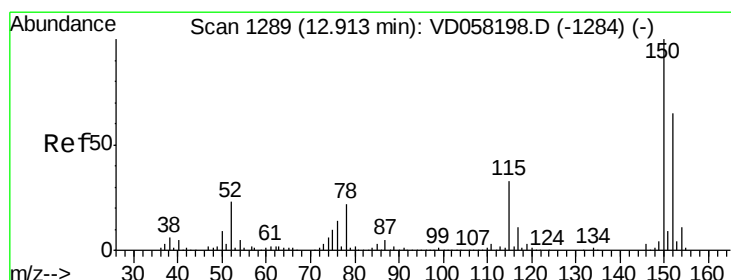
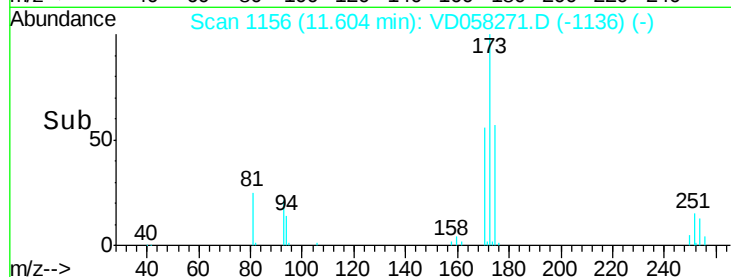
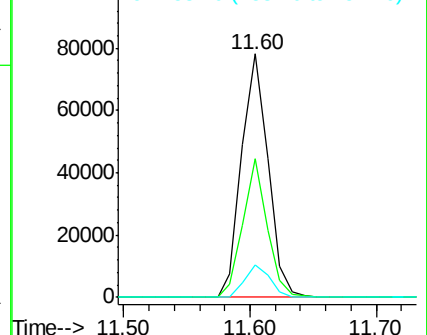
173 100

175 57.1 24.6 74.0

254 13.4 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: VD058271.D

Acq: 22 Jun 2018 1:59

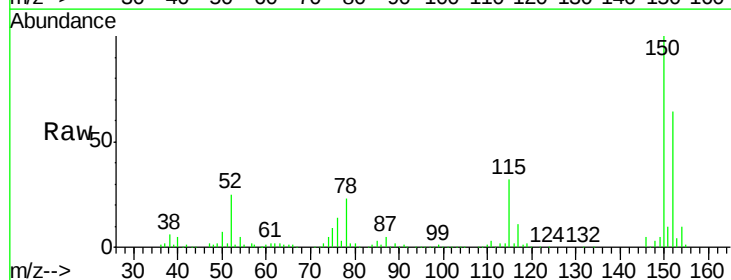
Tgt Ion:152 Resp: 490146

Ion Ratio Lower Upper

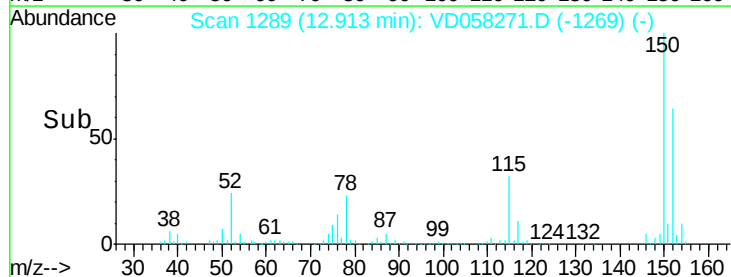
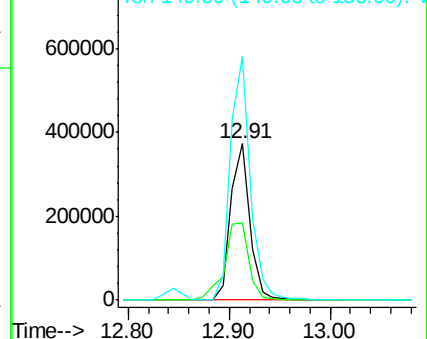
152 100

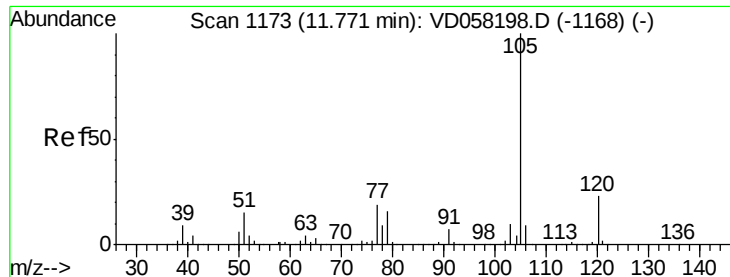
115 49.8 25.1 75.3

150 155.9 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: 22.976 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

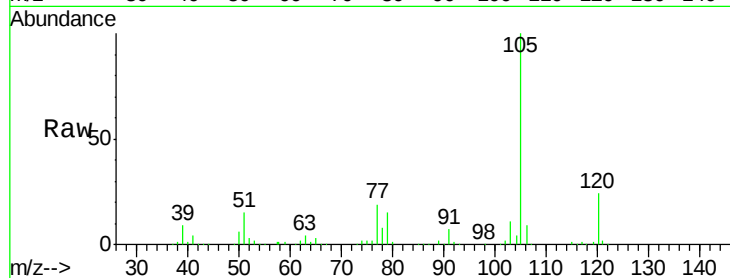
VD0621SBS02

Tot Ion:105 Resp: 673600

Ion Ratio Lower Upper

105 100

120 23.5 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

400000

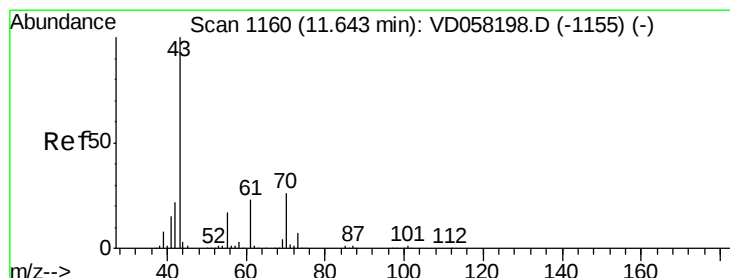
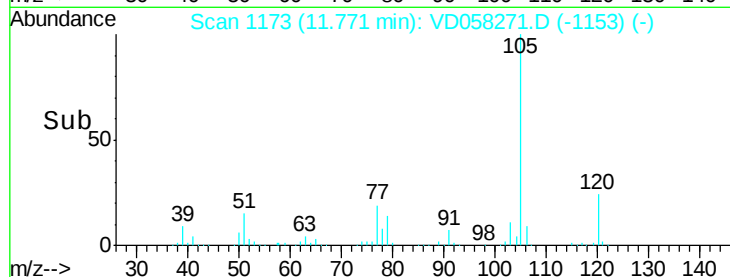
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 22.278 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Tgt Ion: 43 Resp: 252545

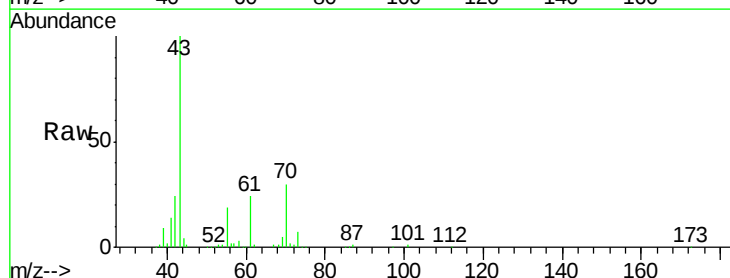
Ion Ratio Lower Upper

43 100

70 29.5 20.9 31.3

55 19.5 13.5 20.3

61 24.5 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

11.65

250000

200000

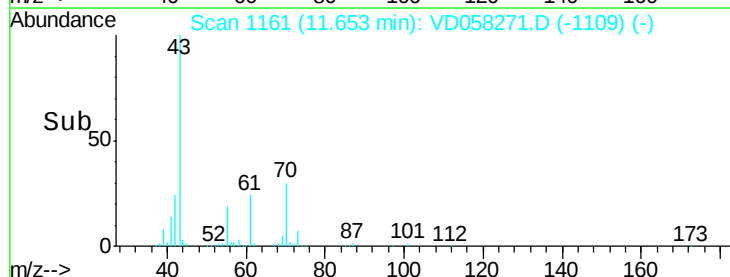
150000

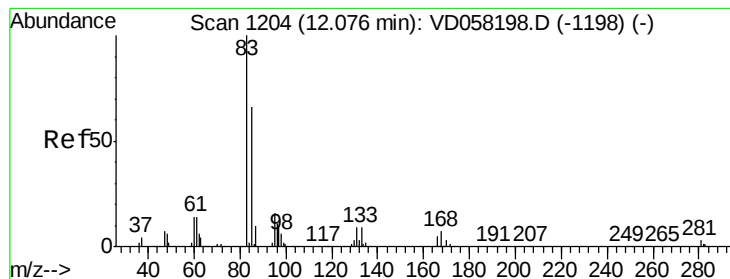
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.534 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

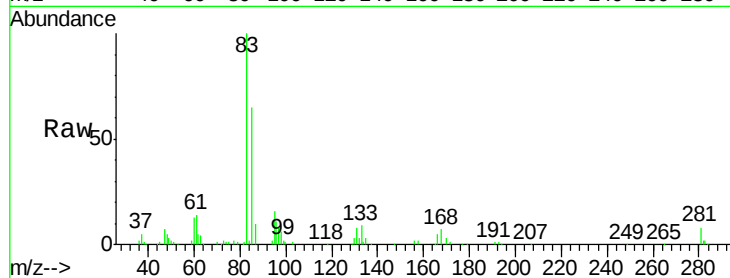
Tot Ion: 83 Resp: 160562

Ion Ratio Lower Upper

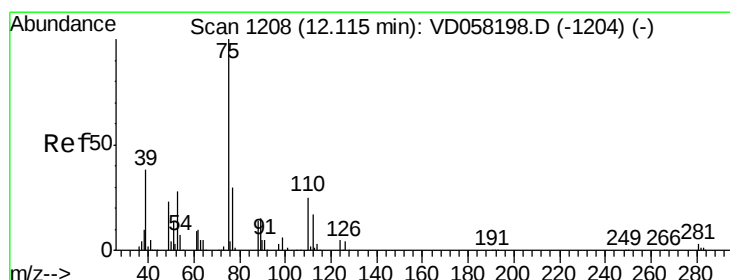
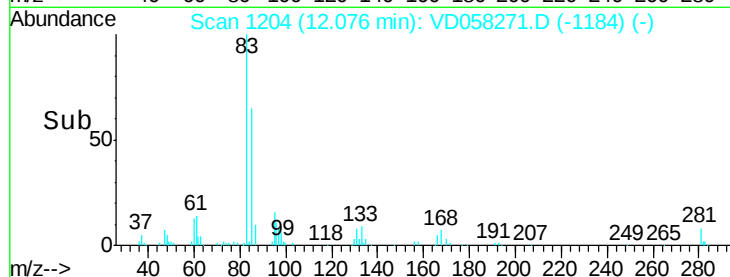
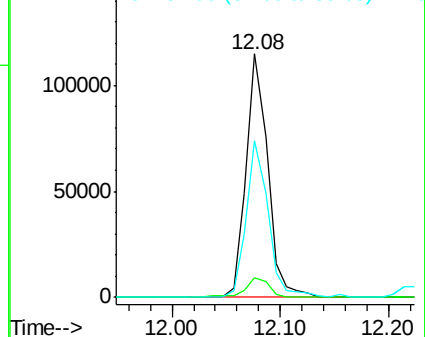
83 100

131 8.1 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: 21.282 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058271.D

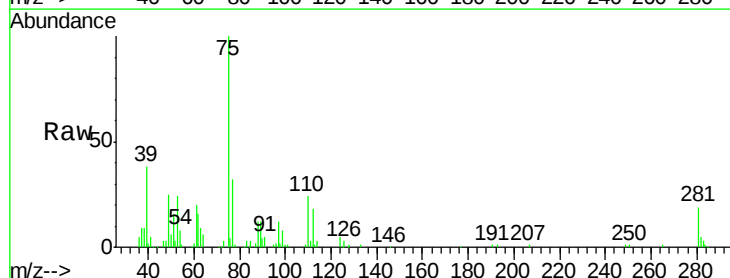
Acq: 22 Jun 2018 1:59

Tgt Ion: 75 Resp: 152302

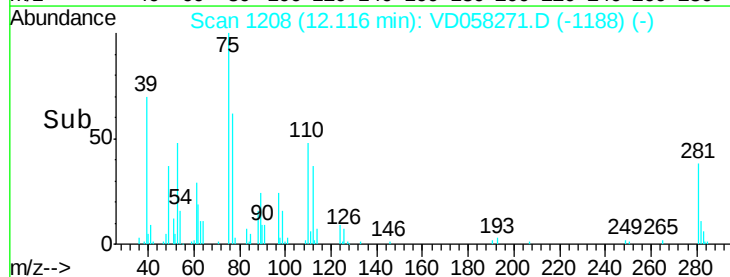
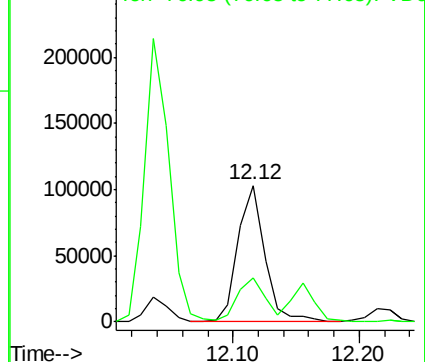
Ion Ratio Lower Upper

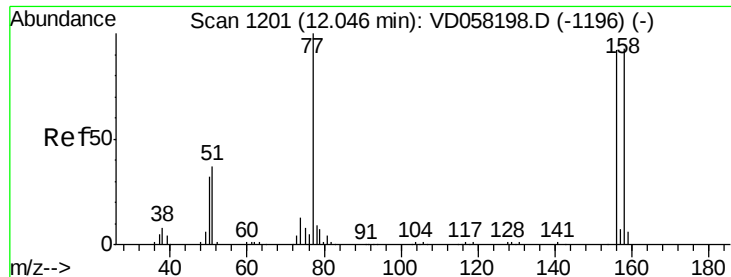
75 100

77 31.8 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.079 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

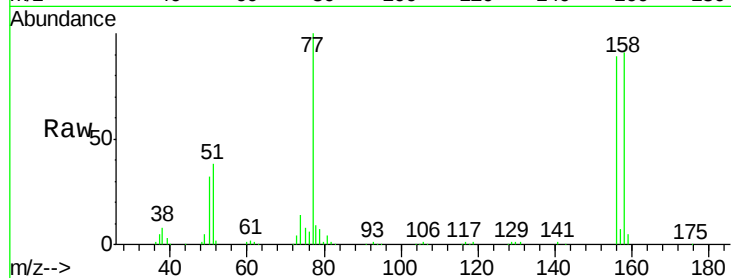
Tot Ion:156 Resp: 202616

Ion Ratio Lower Upper

156 100

77 112.1 54.5 163.6

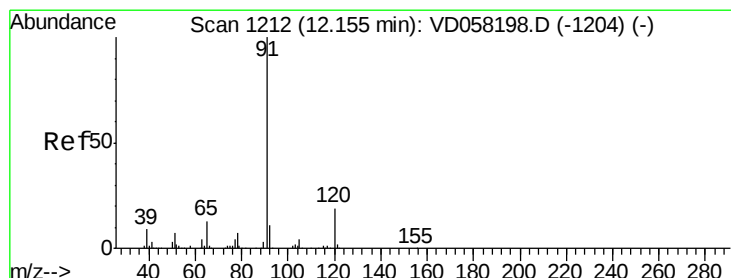
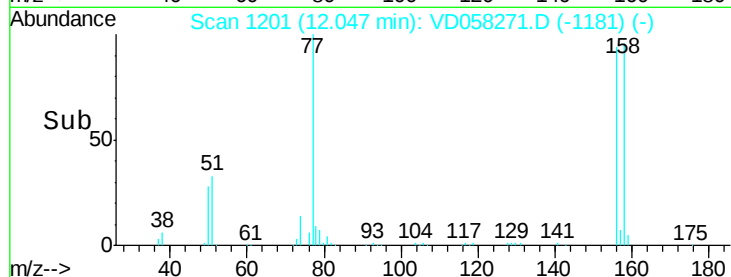
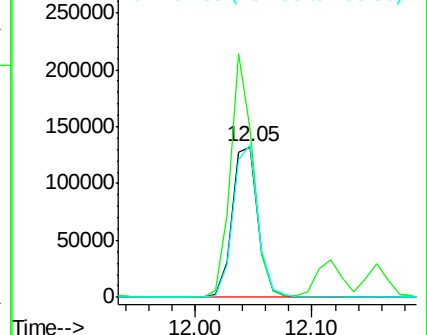
158 101.9 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.534 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058271.D

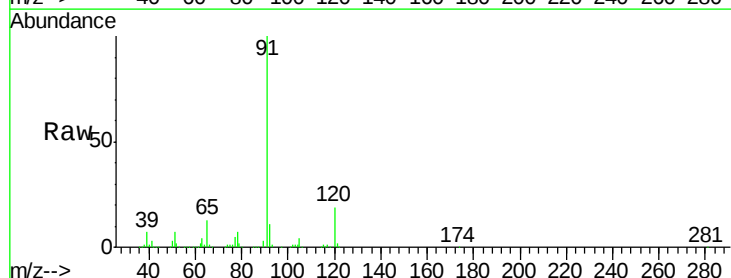
Acq: 22 Jun 2018 1:59

Tgt Ion: 91 Resp: 853168

Ion Ratio Lower Upper

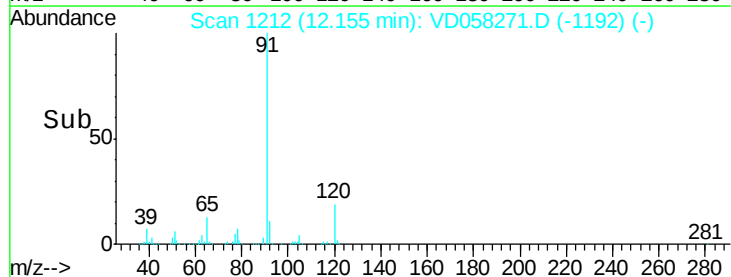
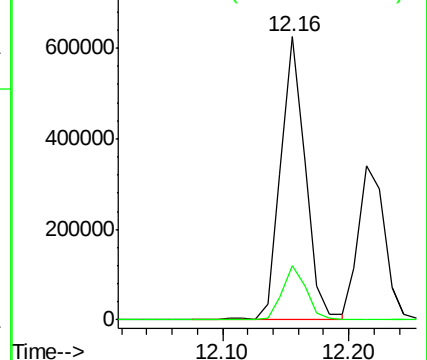
91 100

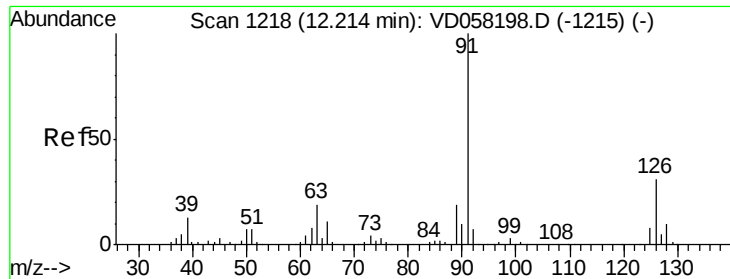
120 19.0 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

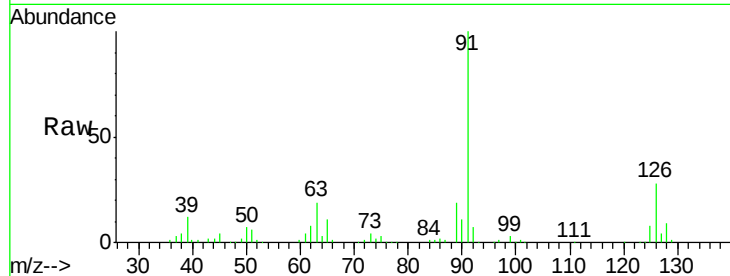




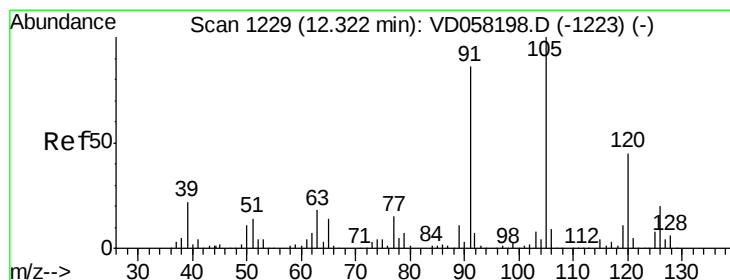
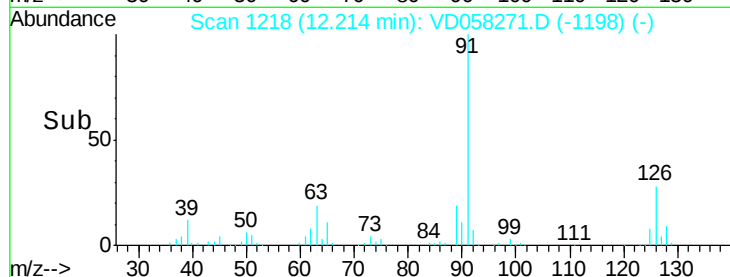
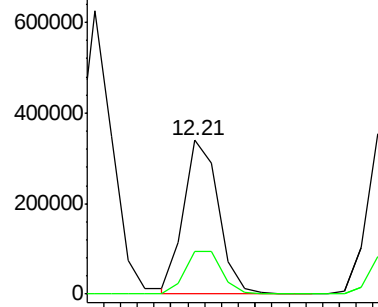
#79
 2-Chlorotoluene
 Concen: 22.448 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

Tot Ion: 91 Resp: 486357
 Ion Ratio Lower Upper
 91 100
 126 27.7 14.9 44.5

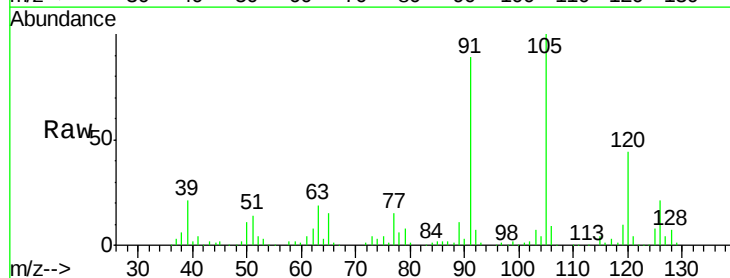


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

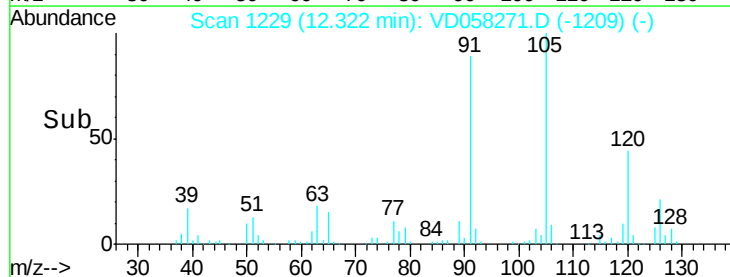
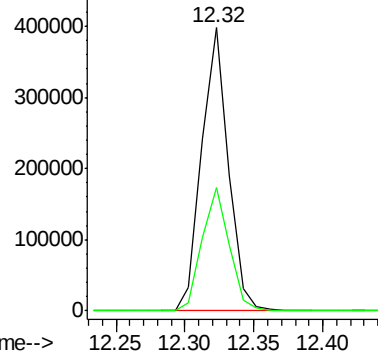


#80
 1,3,5-Trimethylbenzene
 Concen: 23.363 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Tgt Ion: 105 Resp: 534246
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.5 67.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.061 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

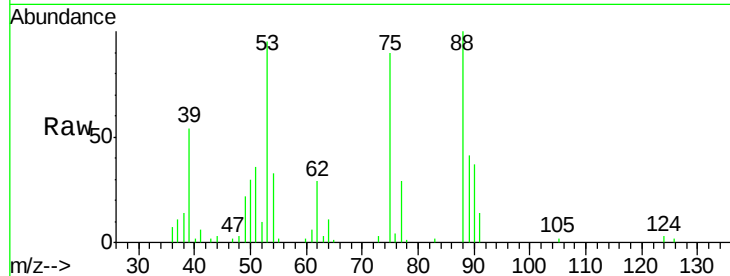
Tot Ion: 75 Resp: 35013

Ion Ratio Lower Upper

75 100

53 106.2 100.8 151.2

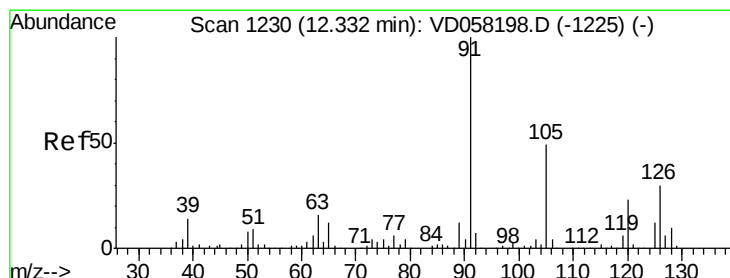
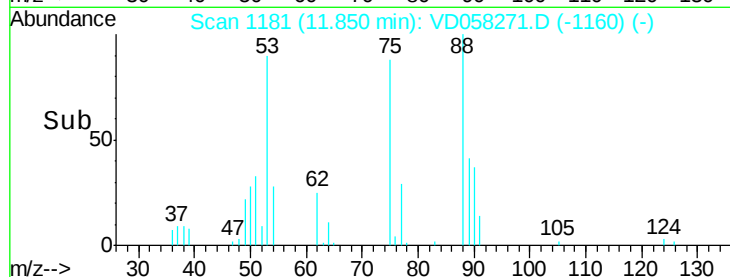
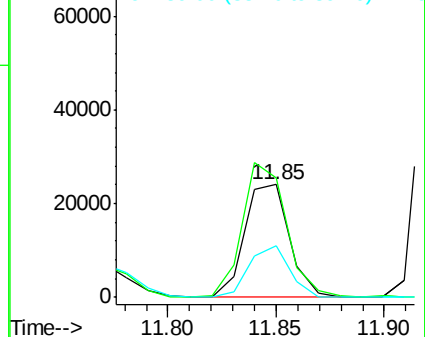
89 45.7 34.6 52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.926 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058271.D

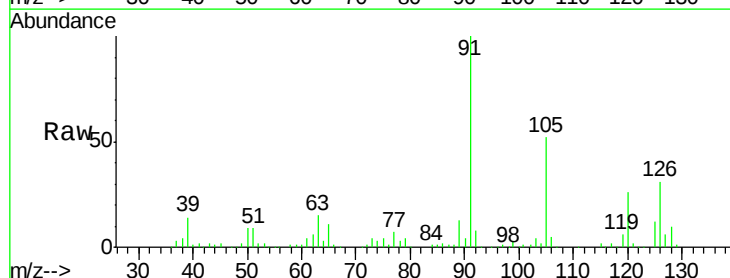
Acq: 22 Jun 2018 1:59

Tgt Ion: 91 Resp: 565061

Ion Ratio Lower Upper

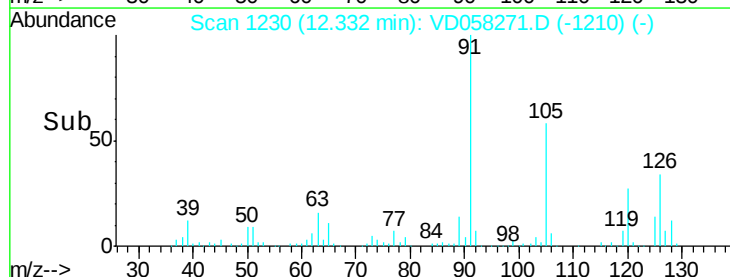
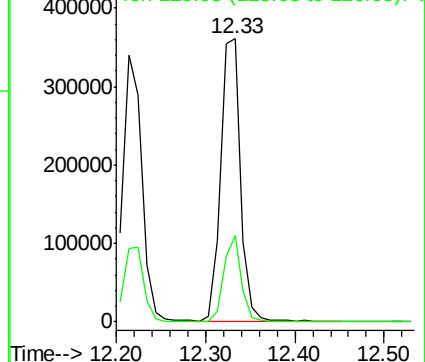
91 100

126 30.7 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

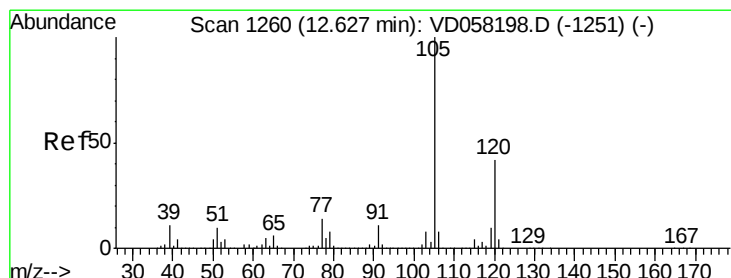
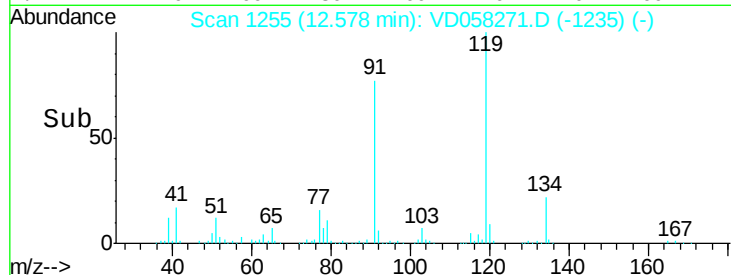
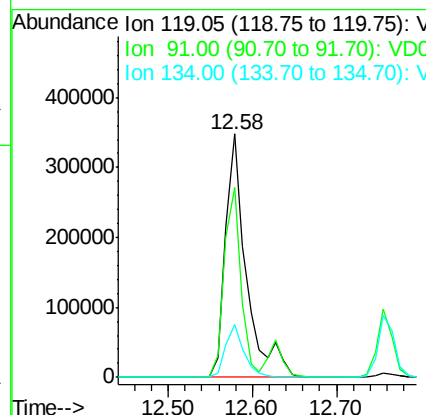
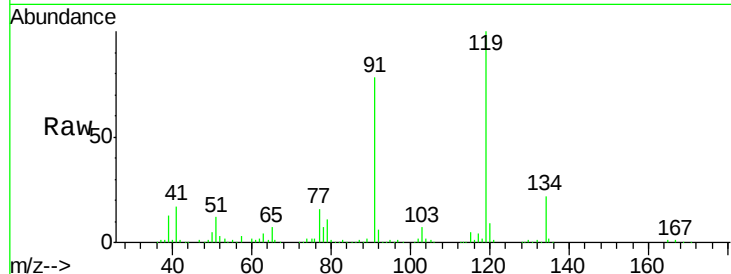




#83
 tert-Butylbenzene
 Concen: 22.911 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

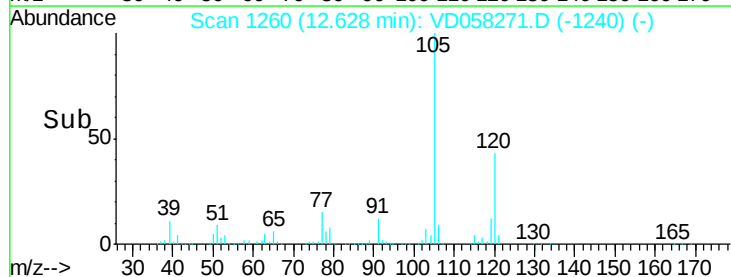
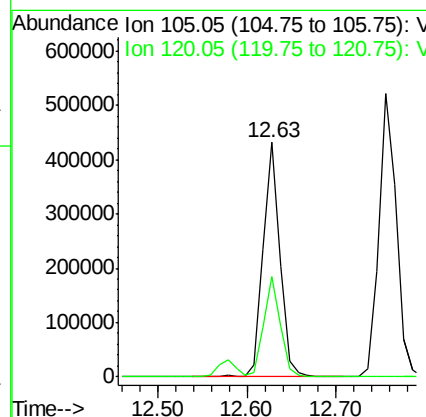
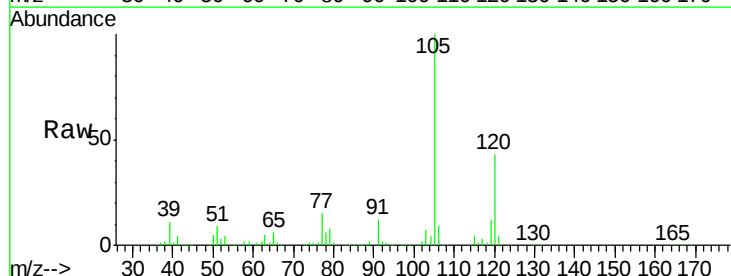
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

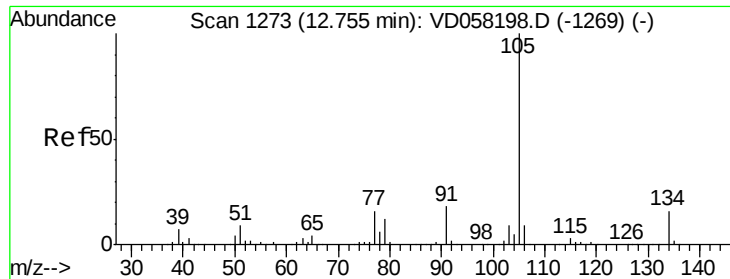
Tot Ion	Ratio	Lower	Upper
119	100		
91	77.8	38.9	116.6
134	21.6	11.2	33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.421 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	20.8	62.4





#85

sec-Butylbenzene

Concen: 22.409 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

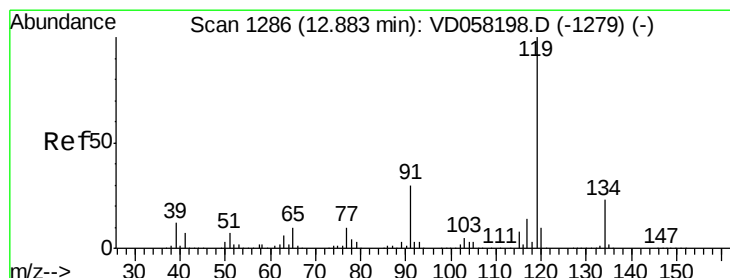
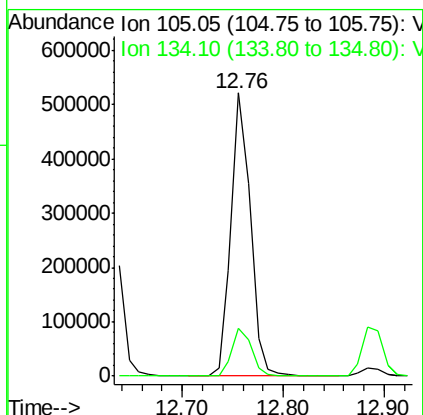
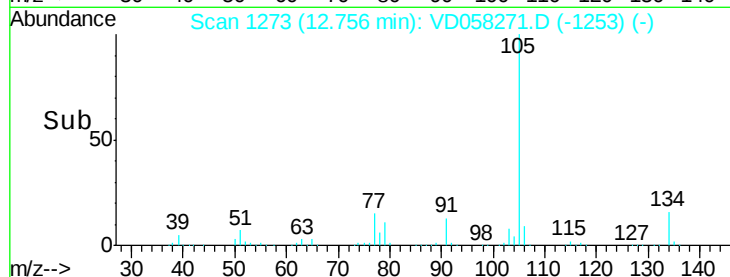
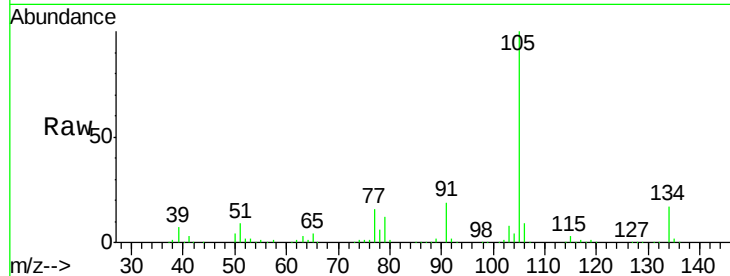
VD0621SBS02

Tot Ion:105 Resp: 690564

Ion Ratio Lower Upper

105 100

134 16.8 8.1 24.3



#86

p-Isopropyltoluene

Concen: 21.754 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

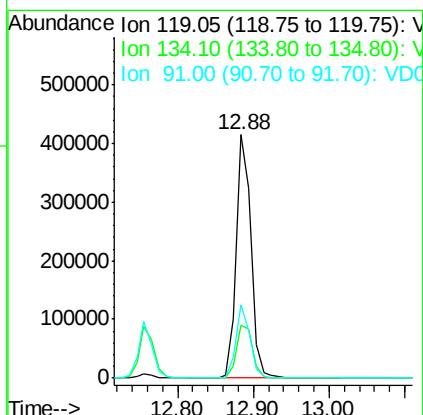
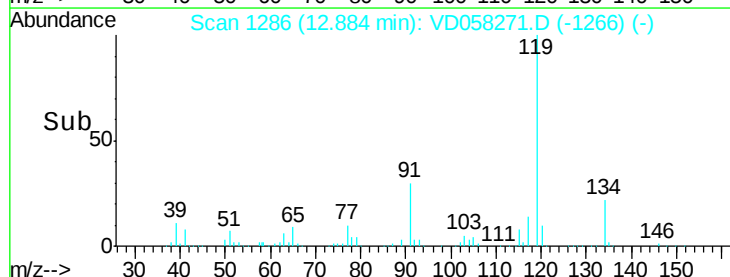
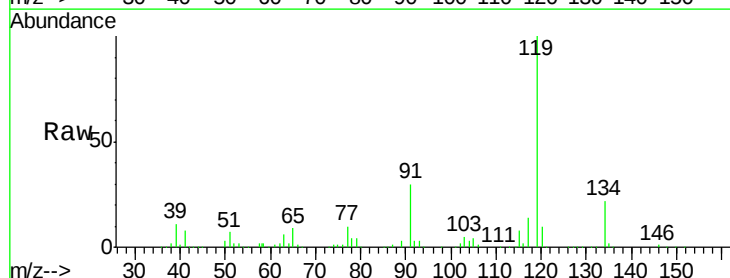
Tgt Ion:119 Resp: 543253

Ion Ratio Lower Upper

119 100

134 21.9 11.6 34.8

91 30.2 15.0 45.1

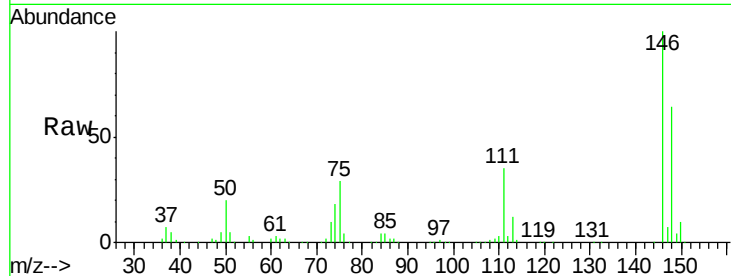




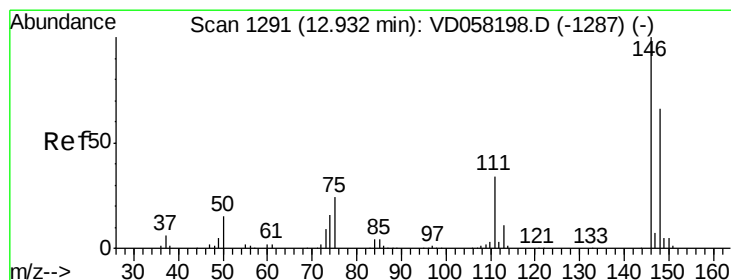
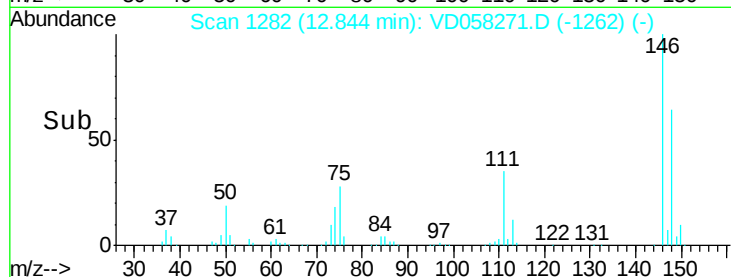
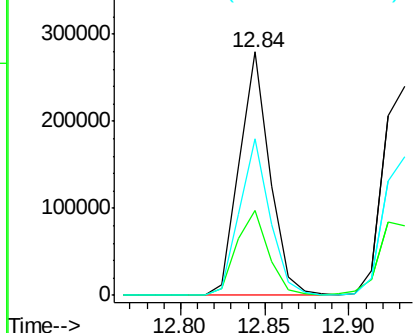
#87
 1,3-Dichlorobenzene
 Concen: 23.049 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

Tot Ion:146 Resp: 351704
 Ion Ratio Lower Upper
 146 100
 111 34.6 18.4 55.0
 148 64.3 32.8 98.4

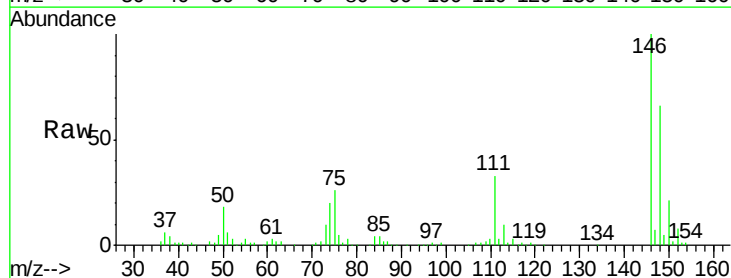


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

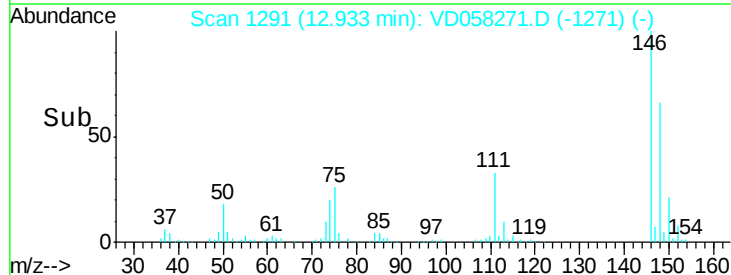
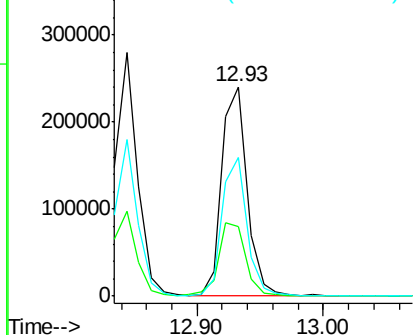


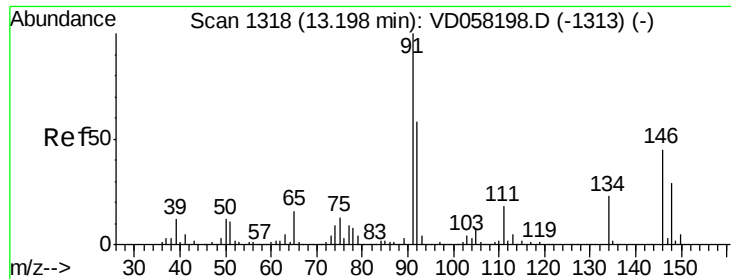
#88
 1,4-Dichlorobenzene
 Concen: 22.436 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Tgt Ion:146 Resp: 334322
 Ion Ratio Lower Upper
 146 100
 111 33.3 17.2 51.5
 148 66.2 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

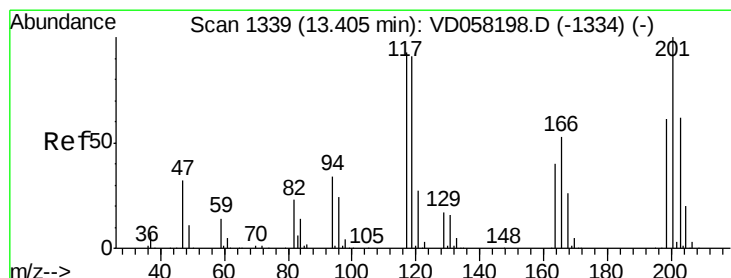
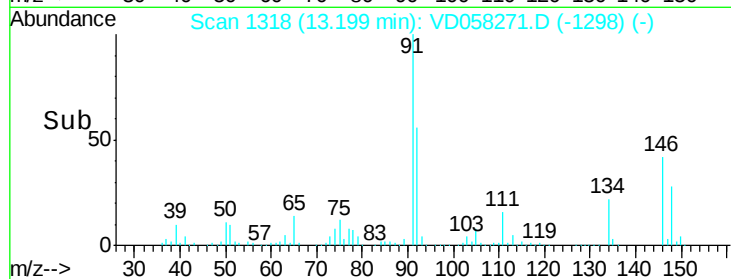
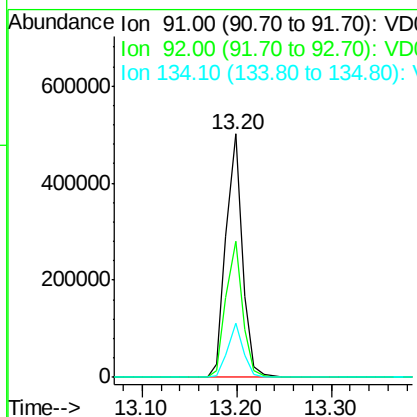
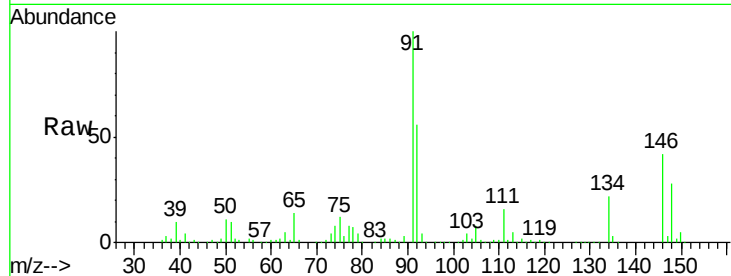




#89
n-Butylbenzene
Concen: 23.011 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

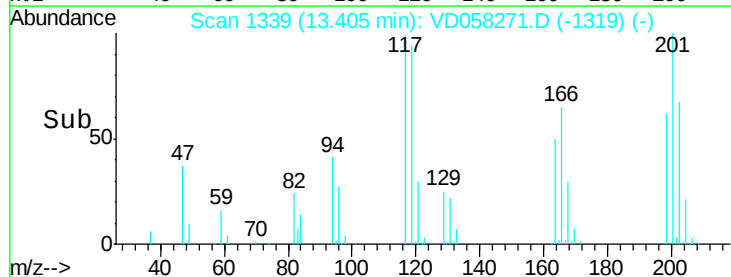
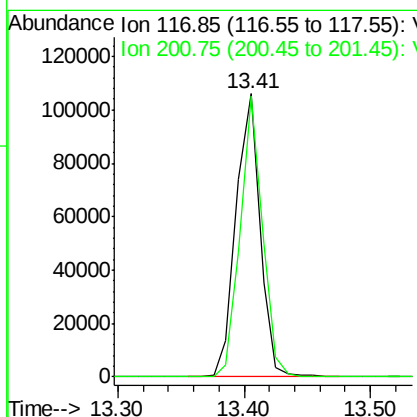
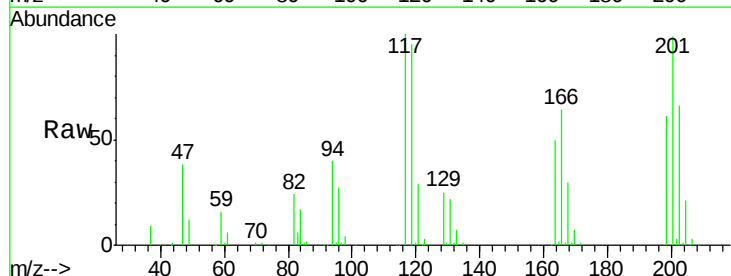
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS02

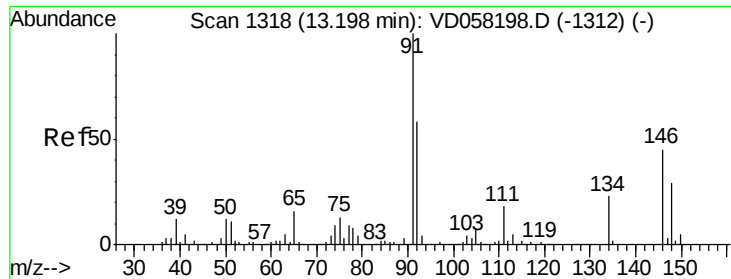
Tot Ion: 91 Resp: 603935
Ion Ratio Lower Upper
91 100
92 55.9 29.2 87.6
134 22.1 11.3 33.8



#90
Hexachloroethane
Concen: 21.390 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058271.D
Acq: 22 Jun 2018 1:59

Tgt Ion: 117 Resp: 138645
Ion Ratio Lower Upper
117 100
201 99.2 53.8 161.4

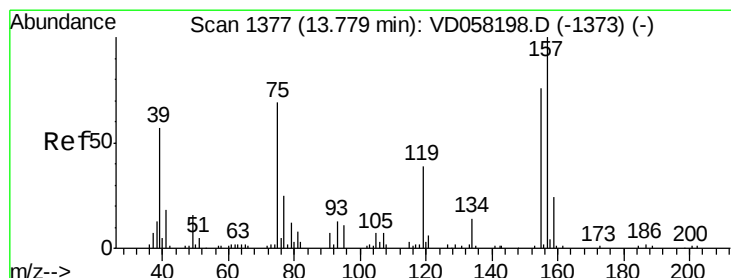
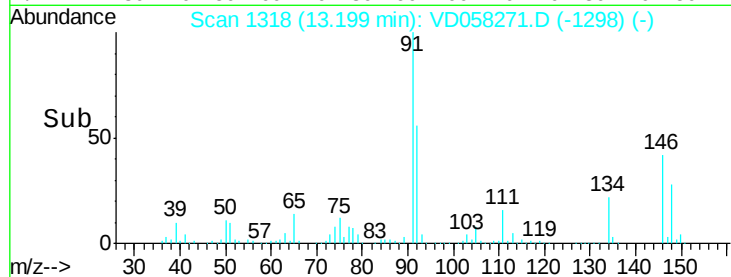
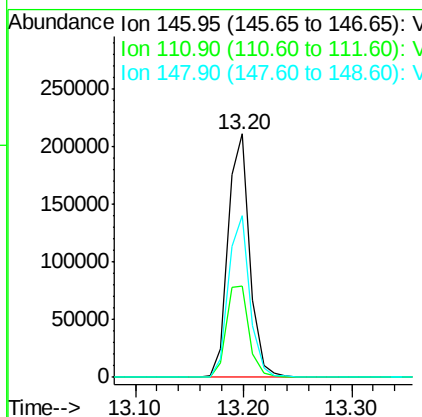
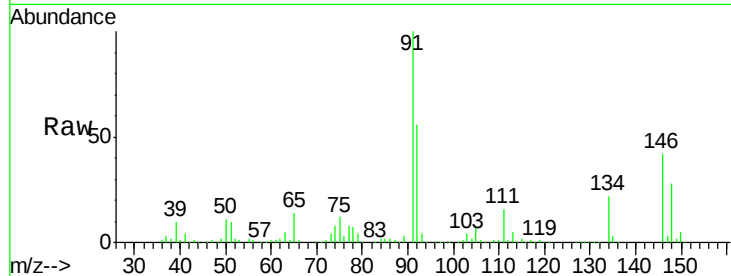




#91
 1,2-Dichlorobenzene
 Concen: 22.656 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

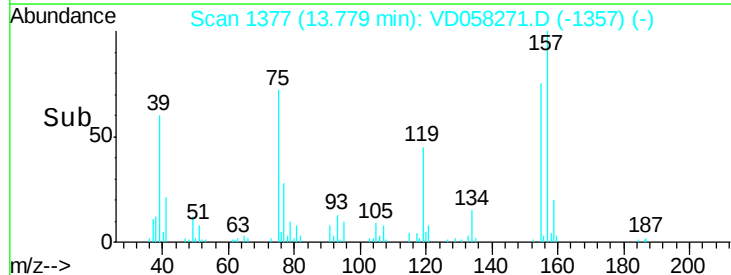
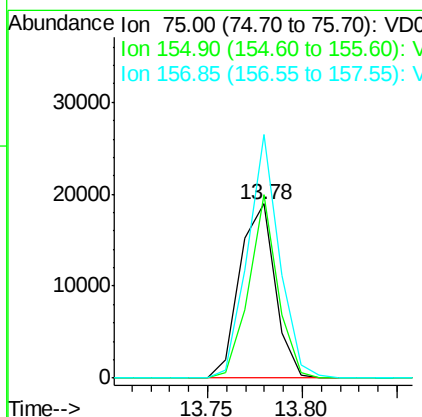
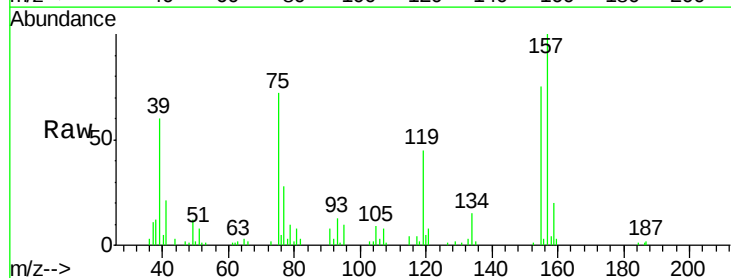
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

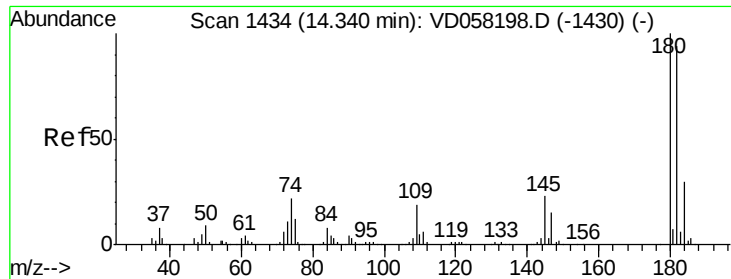
Tot Ion:146 Resp: 294202
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.6 58.7
 148 66.6 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.482 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Tgt Ion: 75 Resp: 24411
 Ion Ratio Lower Upper
 75 100
 155 105.4 54.5 163.5
 157 139.7 72.0 215.9

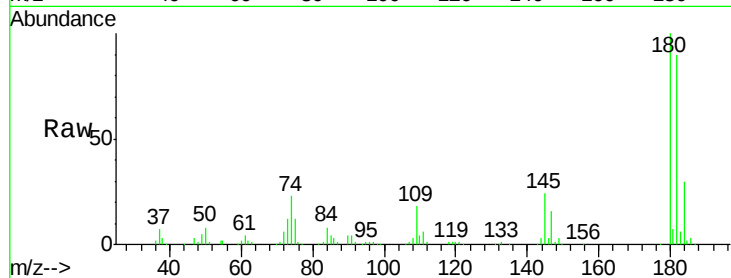




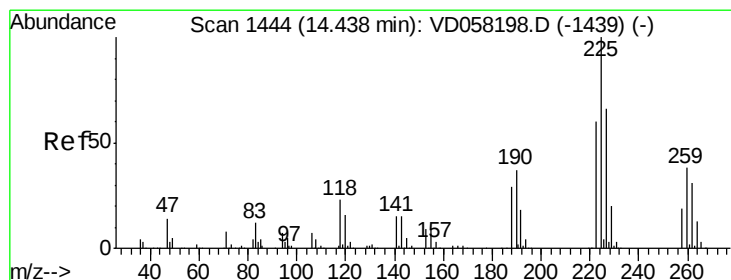
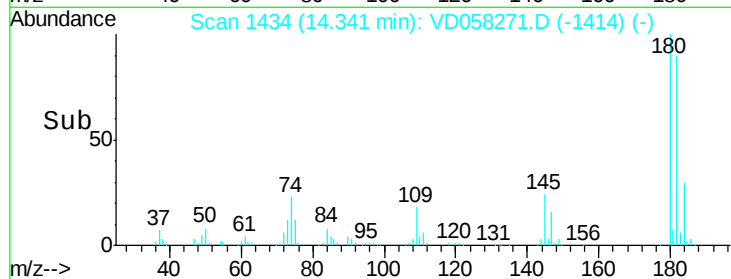
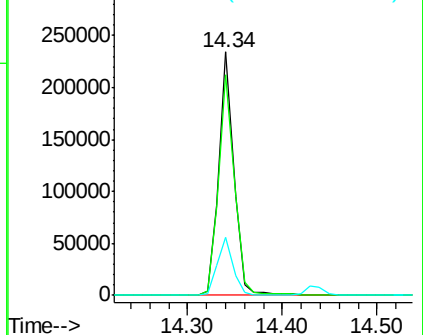
#93
 1,2,4-Trichlorobenzene
 Concen: 21.148 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

Tot Ion:180 Resp: 262649
 Ion Ratio Lower Upper
 180 100
 182 90.4 47.1 141.3
 145 24.0 11.7 35.0

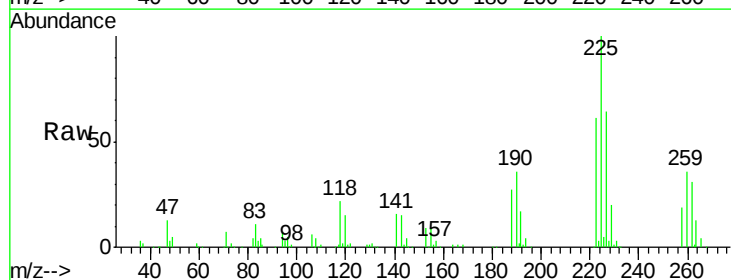


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

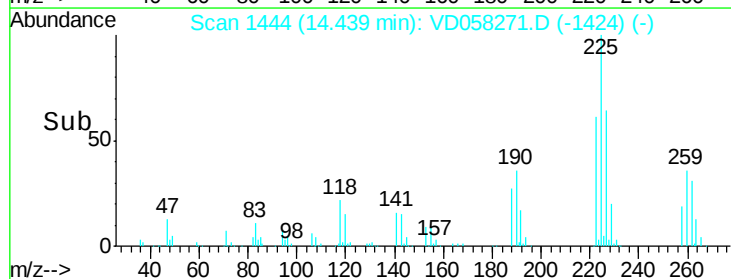
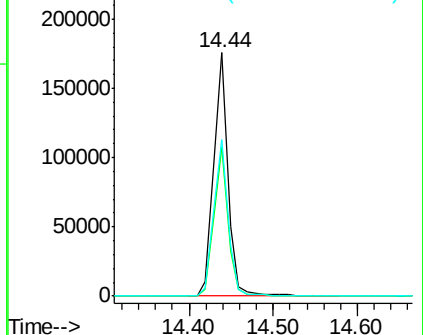


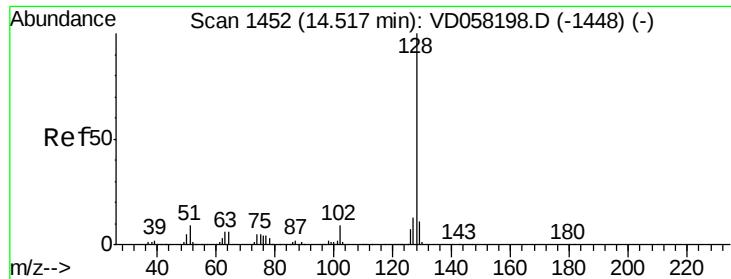
#94
 Hexachlorobutadiene
 Concen: 21.420 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058271.D
 Acq: 22 Jun 2018 1:59

Tgt Ion:225 Resp: 208075
 Ion Ratio Lower Upper
 225 100
 223 61.1 30.1 90.3
 227 64.4 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: 22.181 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS02

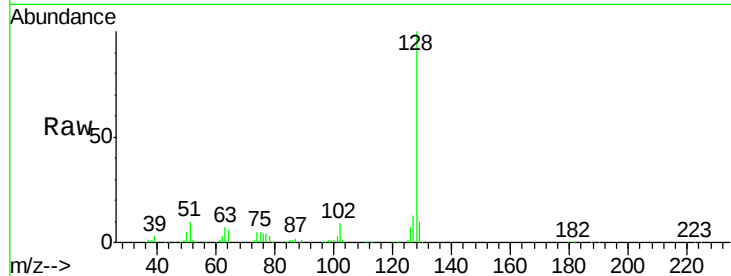
Tot Ion:128 Resp: 362862

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

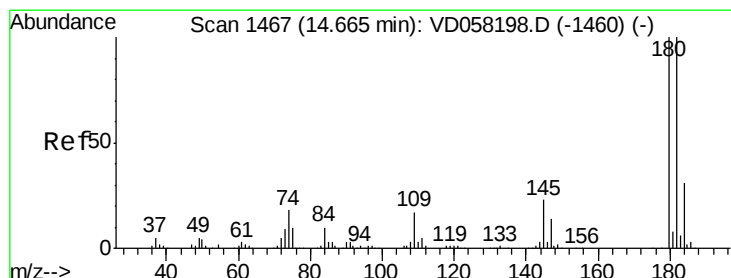
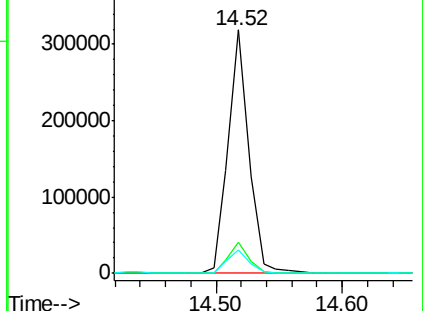
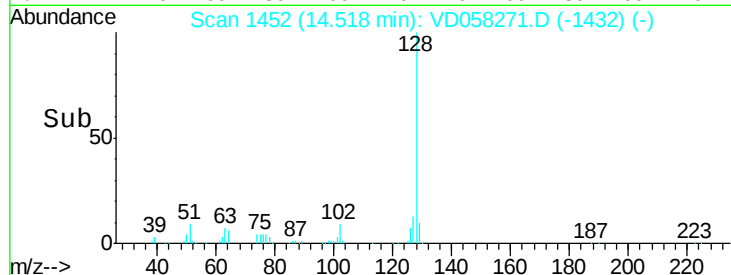
129 9.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.229 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058271.D

Acq: 22 Jun 2018 1:59

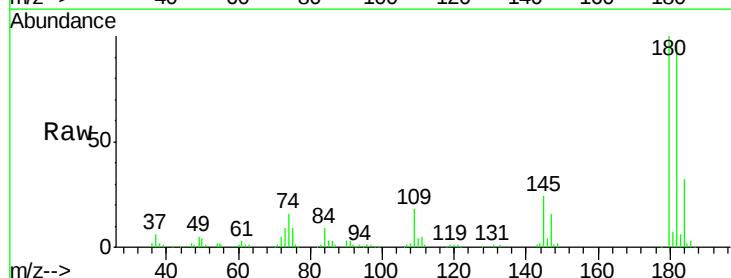
Tgt Ion:180 Resp: 230818

Ion Ratio Lower Upper

180 100

182 96.8 49.9 149.6

145 24.2 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

