

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
 Data File : VD057991.D
 Acq On : 8 Jun 2018 2:12
 Operator : JC/SY
 Sample : VD0607SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Quant Time: Jun 08 02:34:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	989608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1297925	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	1073603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	545656	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	498445	50.38	ug/l	0.00
Spiked Amount						
			Recovery	=	100.76%	
35) Dibromofluoromethane	5.54	113	496205	49.41	ug/l	-0.02
Spiked Amount						
			Recovery	=	98.82%	
50) Toluene-d8	8.70	98	1151193	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.92	95	493098	47.34	ug/l	0.00
Spiked Amount						
			Recovery	=	94.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	261541	19.692	ug/l	100
3) Chloromethane	1.50	50	140288	21.446	ug/l	97
4) Vinyl Chloride	1.57	62	127412	20.122	ug/l	91
5) Bromomethane	1.80	94	43630	17.581	ug/l	86
6) Chloroethane	1.89	64	39623	15.861	ug/l	95
7) Trichlorofluoromethane	2.09	101	152116	17.575	ug/l	98
8) Diethyl Ether	2.35	74	35101	21.831	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.56	101	105426	20.421	ug/l	95
10) Methyl Iodide	2.70	142	123091	18.478	ug/l	93
11) Tert butyl alcohol	3.28	59	28244	106.566	ug/l #	93
12) 1,1-Dichloroethene	2.55	96	86200	21.718	ug/l	94
13) Acrolein	2.48	56	41277	108.747	ug/l	98
14) Allyl chloride	2.92	41	187045	20.429	ug/l	99
15) Acrylonitrile	3.37	53	172431	111.209	ug/l	94
16) Acetone	2.62	43	134650	94.464	ug/l	98
17) Carbon Disulfide	2.76	76	288734	20.081	ug/l	98
18) Methyl Acetate	2.94	43	63328	22.966	ug/l	98
19) Methyl tert-butyl Ether	3.41	73	380706	21.799	ug/l	95
20) Methylene Chloride	3.07	84	101038	24.912	ug/l	97
21) trans-1,2-Dichloroethene	3.40	96	179103	20.260	ug/l	92
22) Diisopropyl ether	4.07	45	765662	21.109	ug/l	89
23) Vinyl Acetate	4.02	43	2015173	107.527	ug/l	98
24) 1,1-Dichloroethane	3.98	63	409449	20.539	ug/l	99
25) 2-Butanone	4.83	43	341117	105.302	ug/l	98
26) 2,2-Dichloropropane	4.80	77	303343	18.472	ug/l	91
27) cis-1,2-Dichloroethene	4.81	96	220159	20.998	ug/l	91
28) Bromochloromethane	5.15	49	198143	22.965	ug/l	92
29) Tetrahydrofuran	5.18	42	193401	113.891	ug/l	99
30) Chloroform	5.32	83	418393	20.854	ug/l	98
31) Cyclohexane	5.59	56	333335	19.376	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	332054	19.767	ug/l	96
36) 1,1-Dichloropropene	5.74	75	292975	20.488	ug/l	98
37) Ethyl Acetate	4.92	43	193922	24.853	ug/l	98
38) Carbon Tetrachloride	5.72	117	280687	19.917	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	282793	19.949	ug/l	97
40) Benzene	6.02	78	707779	21.188	ug/l	99
41) Methacrylonitrile	5.12	41	81804	22.929	ug/l	95
42) 1,2-Dichloroethane	6.12	62	297649	22.038	ug/l	100
43) Isopropyl Acetate	7.61	43	227105	22.221	ug/l #	98
44) Trichloroethene	6.98	130	208481	21.366	ug/l	91
45) 1,2-Dichloropropane	7.34	63	197926	21.318	ug/l	96
46) Dibromomethane	7.45	93	131642	22.072	ug/l	97
47) Bromodichloromethane	7.74	83	299427	21.442	ug/l	99
48) Methyl methacrylate	7.49	41	137836	21.912	ug/l	94
49) 1,4-Dioxane	7.48	88	24029	461.108	ug/l	94
51) 4-Methyl-2-Pentanone	8.59	43	775509	118.302	ug/l	98
52) Toluene	8.79	92	417594	21.782	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	258566	21.491	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	300506	21.201	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	132358	21.332	ug/l	94
56) Ethyl methacrylate	9.30	69	173138	22.748	ug/l	99
57) 1,3-Dichloropropane	9.66	76	238377	21.905	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.18	63	434214	112.921	ug/l	95
59) 2-Hexanone	9.78	43	536988	111.780	ug/l	100
60) Dibromochloromethane	9.95	129	188022	21.489	ug/l	99
61) 1,2-Dibromoethane	10.08	107	151008	21.163	ug/l	90
64) Tetrachloroethene	9.50	164	198442	20.675	ug/l	95
65) Chlorobenzene	10.71	112	441721	20.324	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	178018	21.319	ug/l	99
67) Ethyl Benzene	10.85	91	825029	21.011	ug/l	100
68) m/p-Xylenes	11.01	106	548427	42.844	ug/l	97
69) o-Xylene	11.40	106	254586	20.037	ug/l	98
70) Styrene	11.42	104	440638	20.949	ug/l	99
71) Bromoform	11.60	173	131293	20.901	ug/l	95
73) Isopropylbenzene	11.77	105	747707	20.688	ug/l	100
74) N-amyl acetate	11.64	43	299894	21.504	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	171159	21.721	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	184518	22.512	ug/l	96
77) Bromobenzene	12.03	156	218687	20.442	ug/l	97
78) n-propylbenzene	12.15	91	980453	20.848	ug/l	99
79) 2-Chlorotoluene	12.21	91	559403	20.850	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	582319	20.660	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	43861	21.605	ug/l	89
82) 4-Chlorotoluene	12.32	91	611607	21.635	ug/l	100
83) tert-Butylbenzene	12.57	119	605777	19.034	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	621681	20.514	ug/l	100
85) sec-Butylbenzene	12.75	105	756780	19.703	ug/l	100
86) p-Isopropyltoluene	12.88	119	616823	19.925	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	376991	20.832	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	360421	20.441	ug/l	92
89) n-Butylbenzene	13.19	91	678535	21.858	ug/l	100
90) Hexachloroethane	13.40	117	159418	20.176	ug/l	95
91) 1,2-Dichlorobenzene	13.18	146	327337	22.383	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.76	75	26278	21.608	ug/l	88

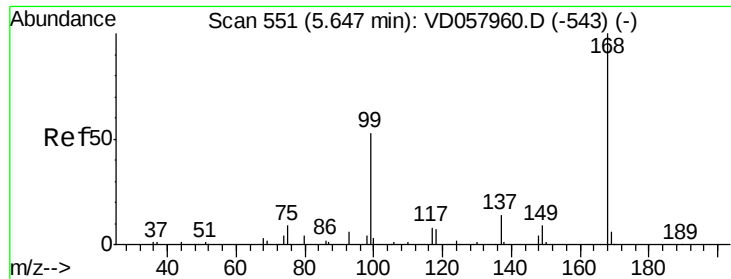
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	274897	20.120	ug/l	98
94) Hexachlorobutadiene	14.43	225	206407	19.206	ug/l	97
95) Naphthalene	14.51	128	371438	21.085	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	239082	20.533	ug/l	97

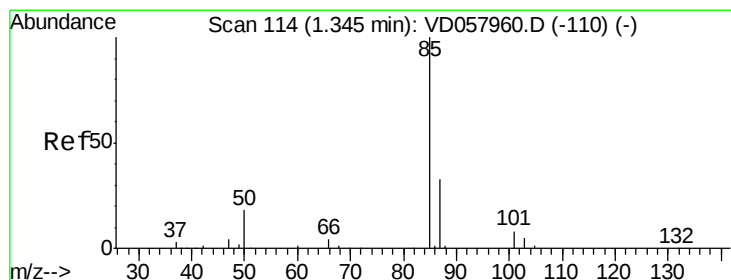
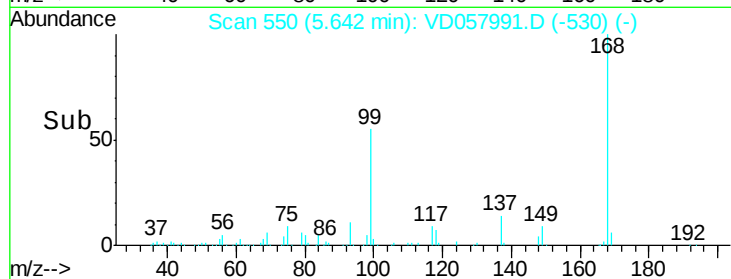
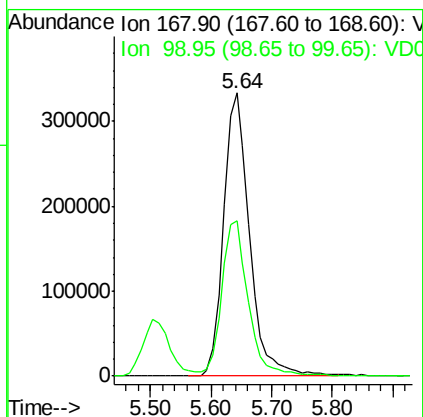
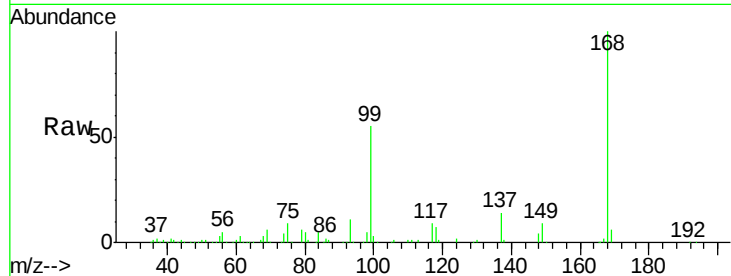
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

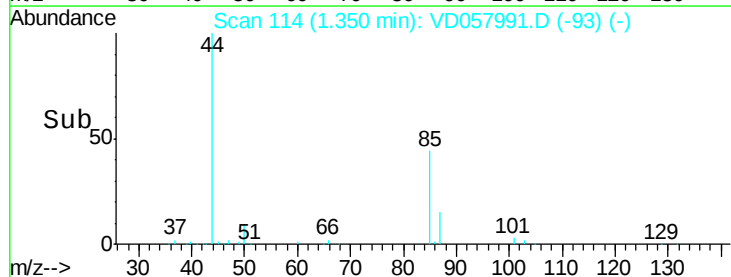
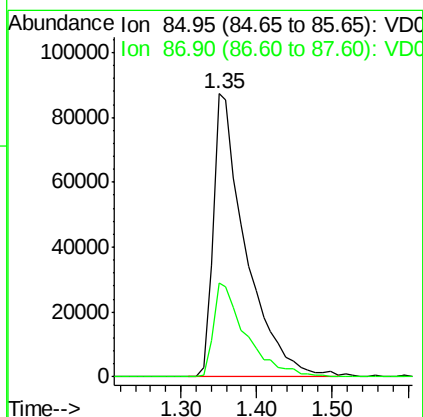
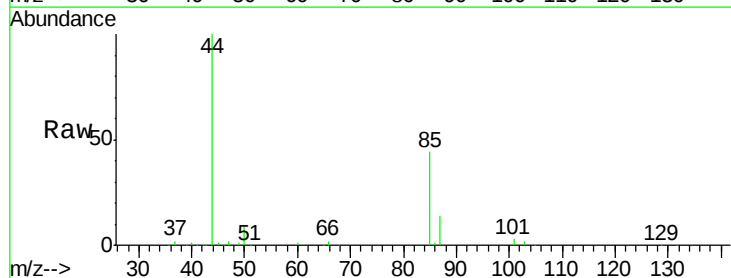
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

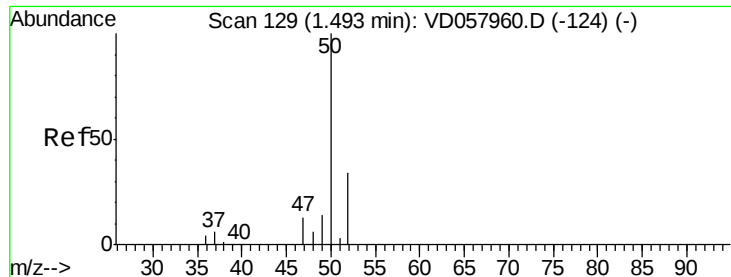
Tot Ion:168 Resp: 989608
Ion Ratio Lower Upper
168 100
99 55.1 46.8 70.2



#2
Dichlorodifluoromethane
Concen: 19.692 ug/l
RT: 1.35 min Scan# 114
Delta R.T. 0.00 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 85 Resp: 261541
Ion Ratio Lower Upper
85 100
87 33.1 16.4 49.2





#3

Chloromethane

Concen: 21.446 ug/l

RT: 1.50 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

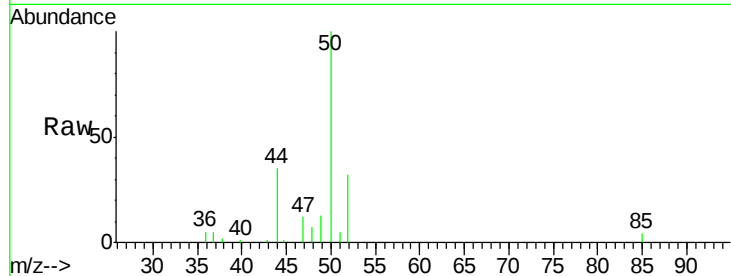
VD0607SBSD02

Tot Ion: 50 Resp: 140288

Ion Ratio Lower Upper

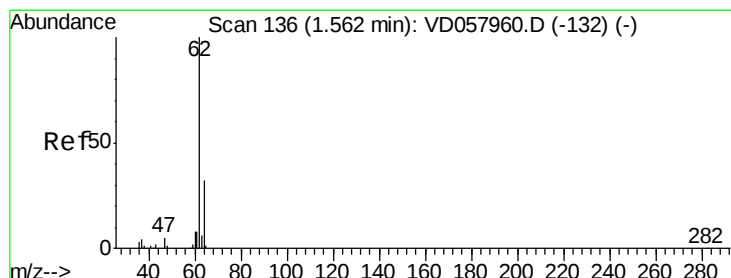
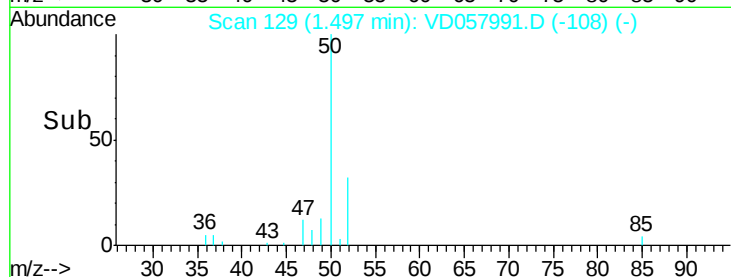
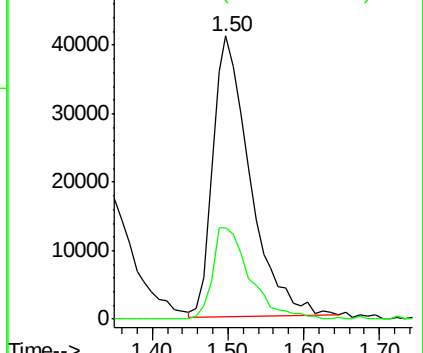
50 100

52 32.4 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.122 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD057991.D

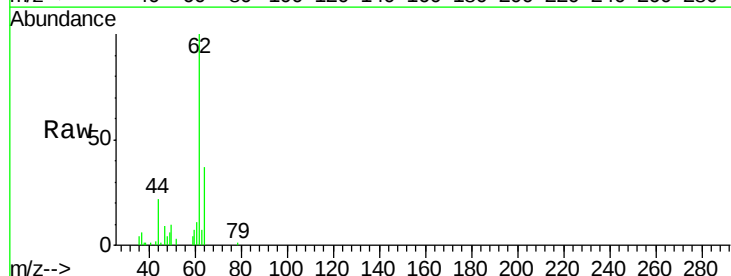
Acq: 8 Jun 2018 2:12

Tgt Ion: 62 Resp: 127412

Ion Ratio Lower Upper

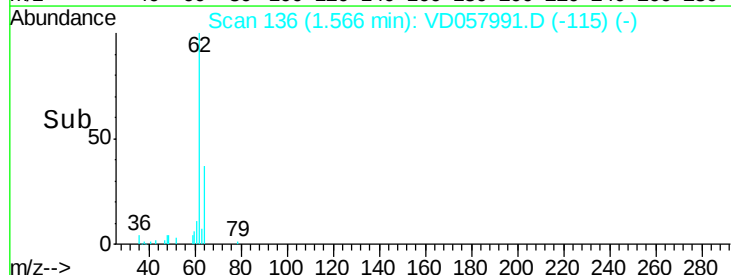
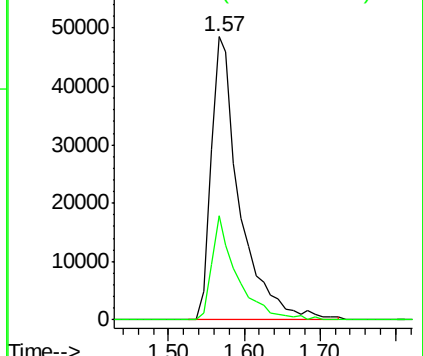
62 100

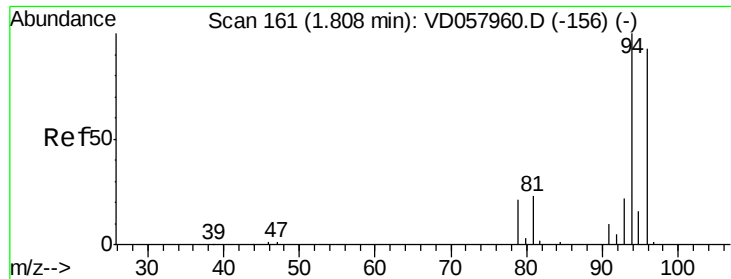
64 37.0 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.581 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

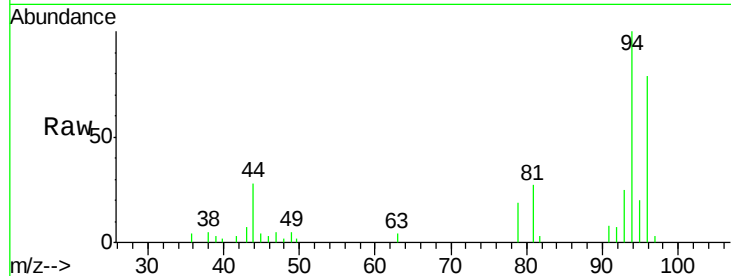
VD0607SBS02

Tot Ion: 94 Resp: 43630

Ion Ratio Lower Upper

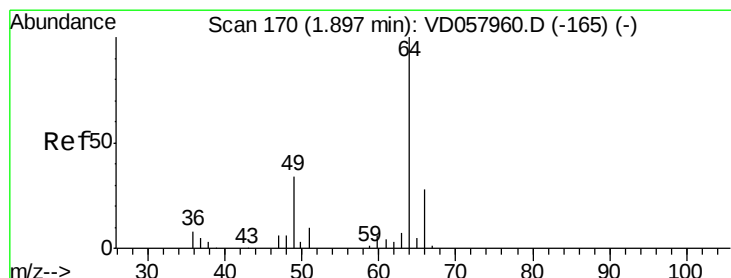
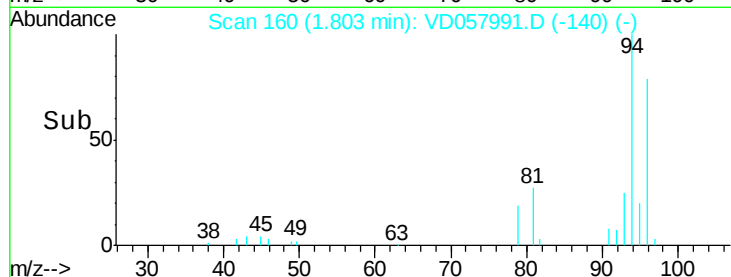
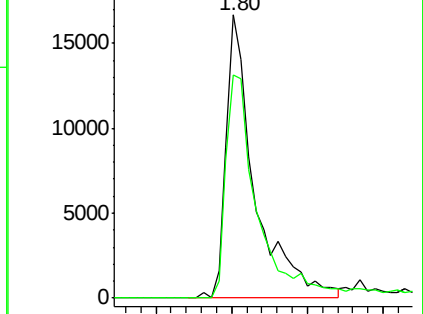
94 100

96 79.1 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 15.861 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD057991.D

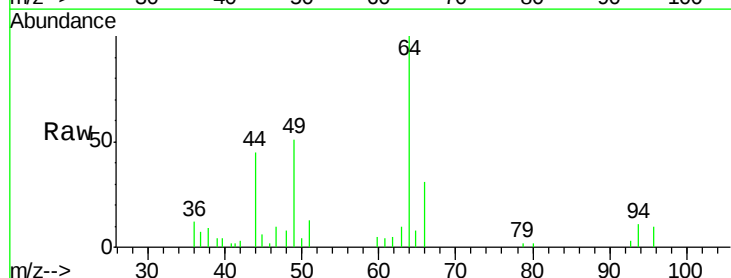
Acq: 8 Jun 2018 2:12

Tgt Ion: 64 Resp: 39623

Ion Ratio Lower Upper

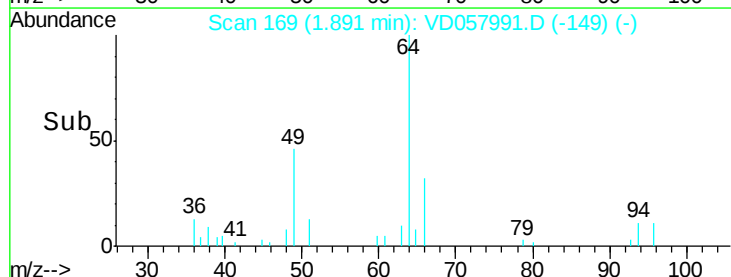
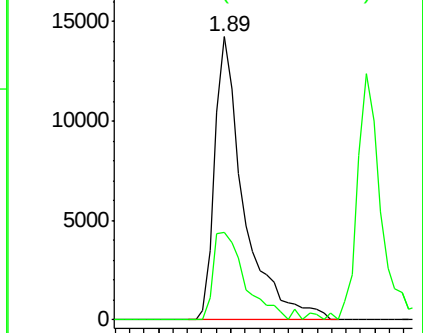
64 100

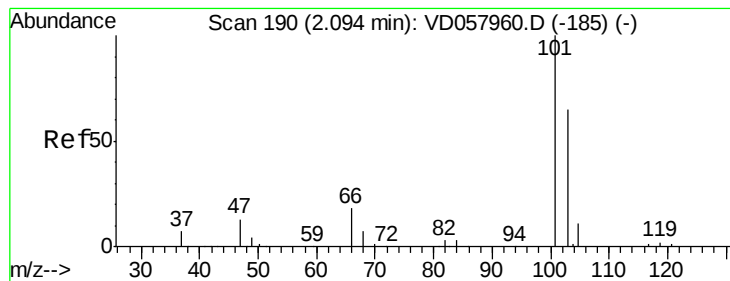
66 30.9 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 17.575 ug/l

RT: 2.09 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

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ClientSampleId :

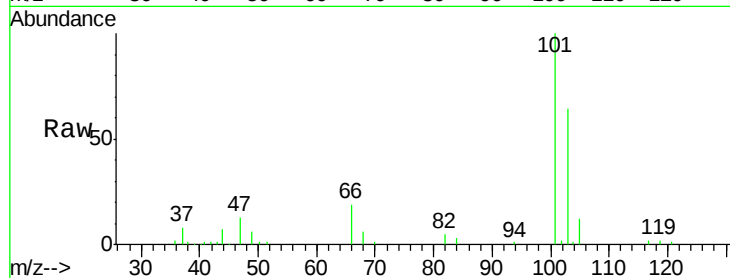
VD0607SBS02

Tot Ion:101 Resp: 152116

Ion Ratio Lower Upper

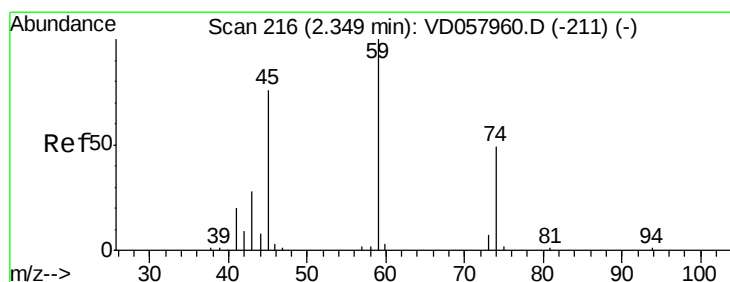
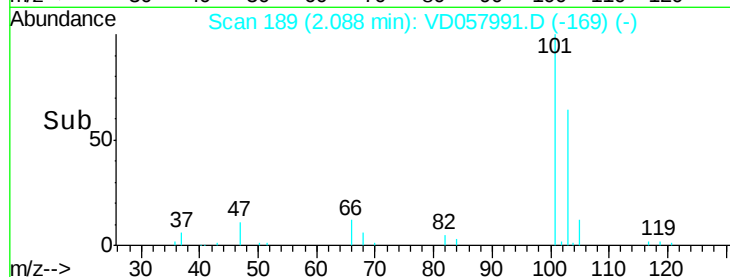
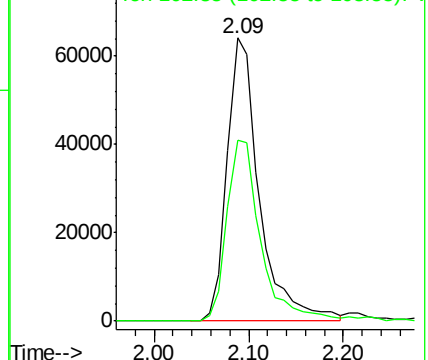
101 100

103 64.1 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 21.831 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.00 min

Lab File: VD057991.D

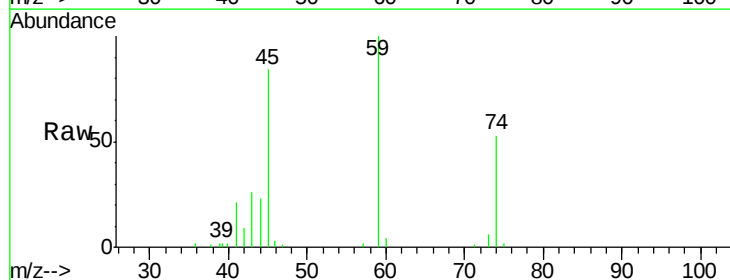
Acq: 8 Jun 2018 2:12

Tgt Ion: 74 Resp: 35101

Ion Ratio Lower Upper

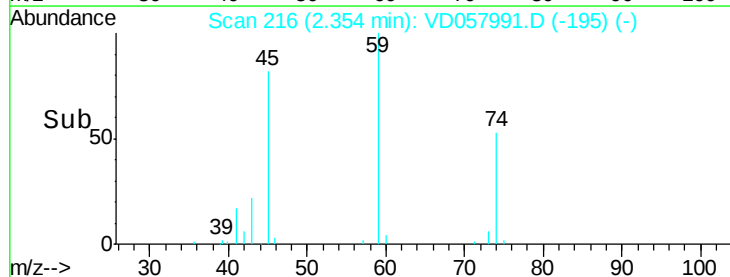
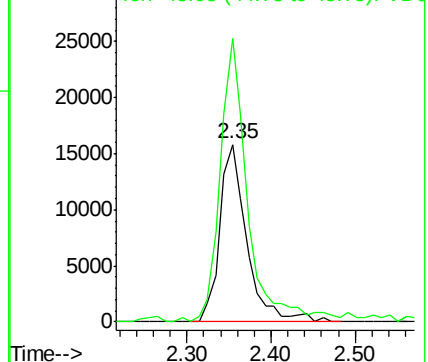
74 100

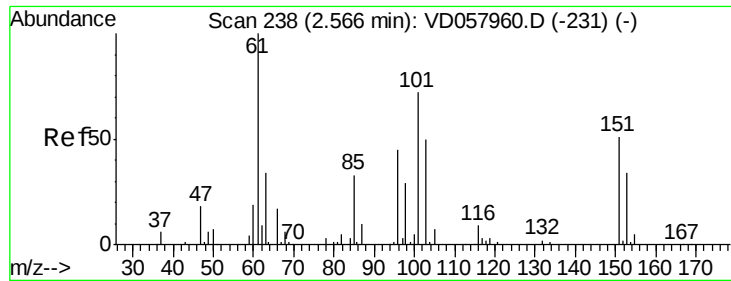
45 159.7 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.421 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

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VD0607SBS02

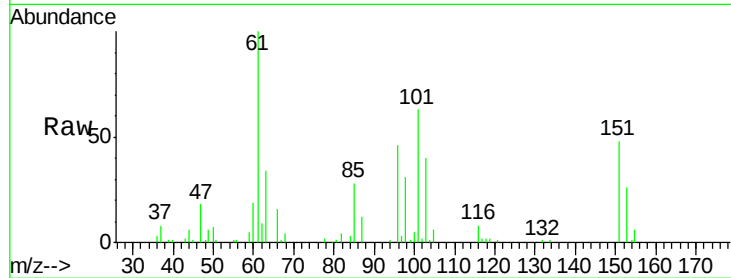
Tot Ion:101 Resp: 105426

Ion Ratio Lower Upper

101 100

85 44.3 37.3 55.9

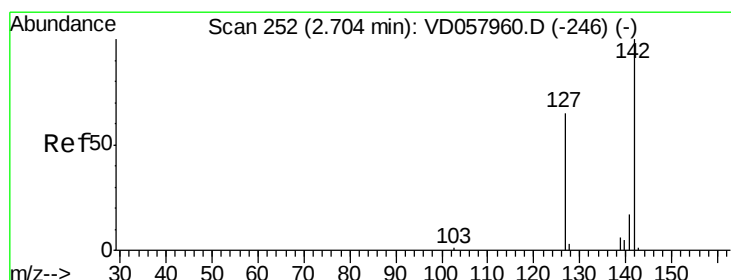
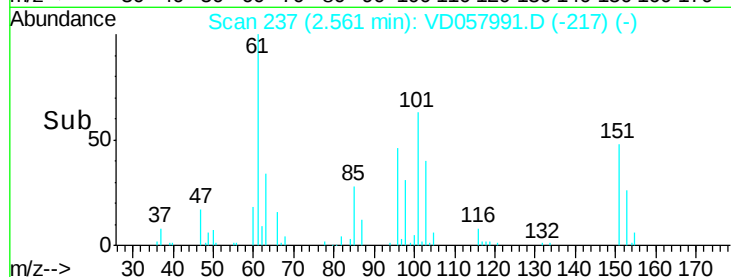
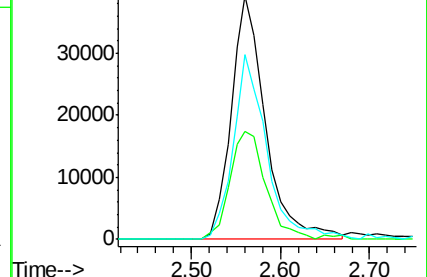
151 75.8 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.478 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

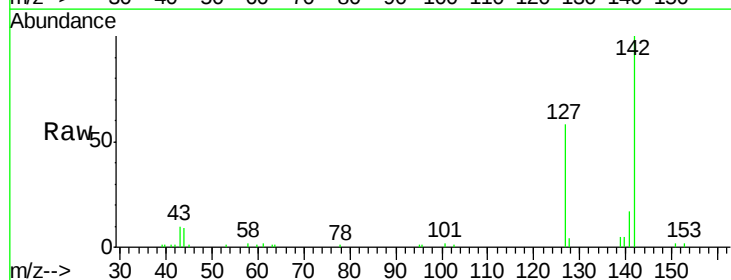
Tgt Ion:142 Resp: 123091

Ion Ratio Lower Upper

142 100

127 58.2 52.0 78.0

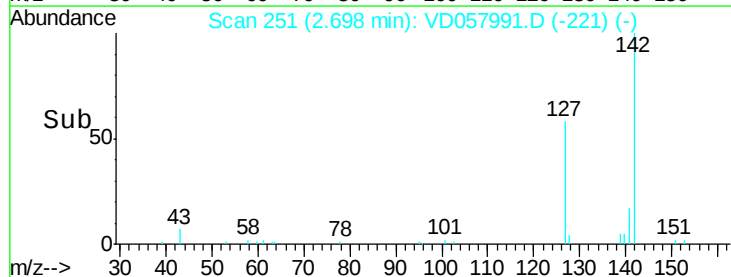
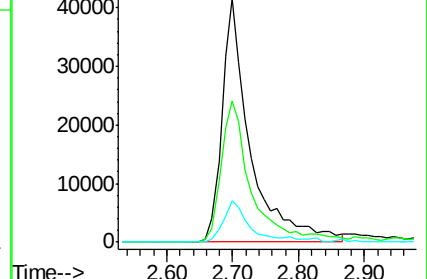
141 17.1 13.2 19.8

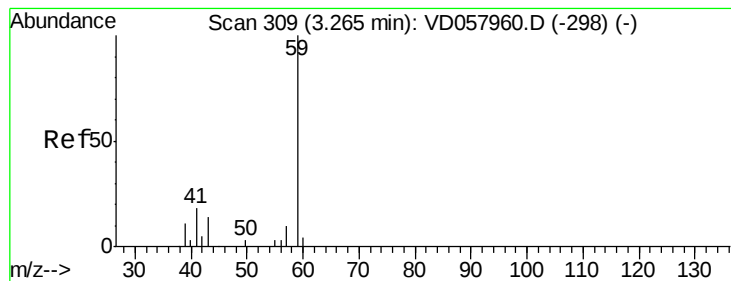


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



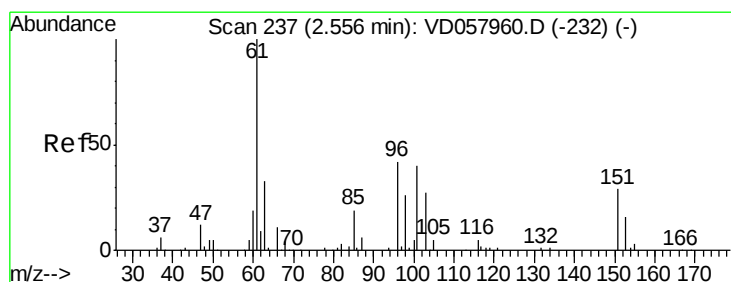
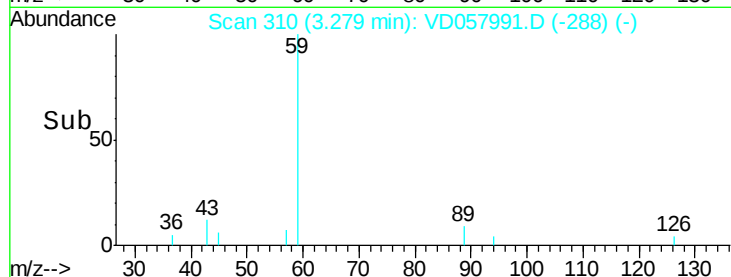
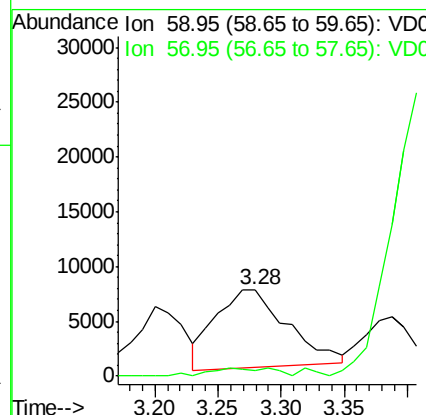
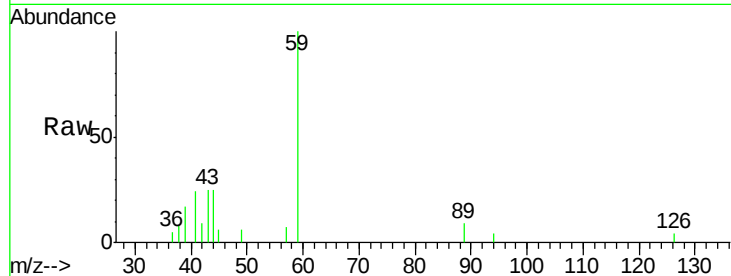


#11

Tert butyl alcohol
Concen: 106.566 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

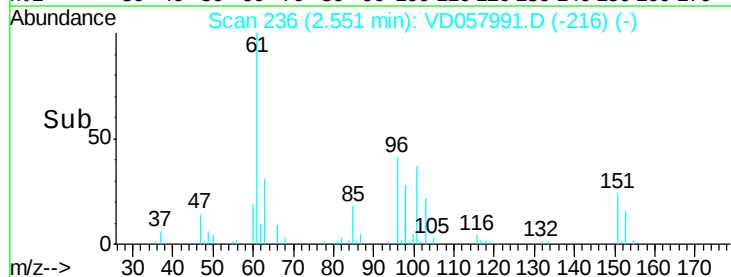
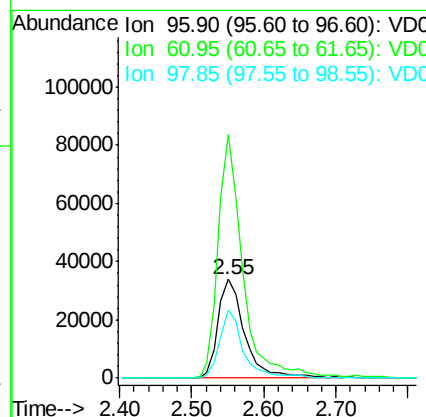
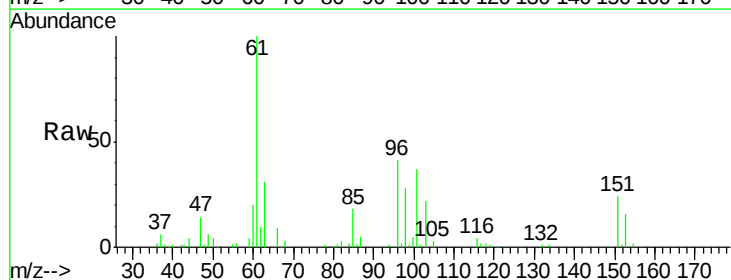
Tot Ion: 59 Resp: 28244
Ion Ratio Lower Upper
59 100
57 7.2 7.8 11.6#

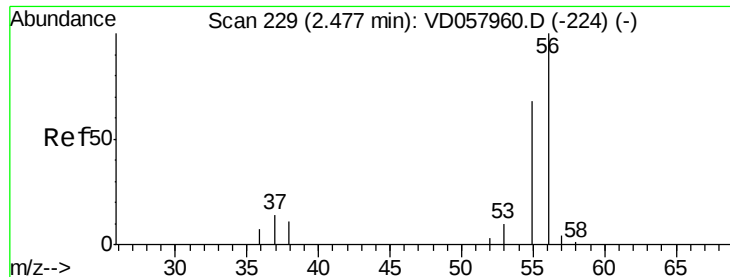


#12

1,1-Dichloroethene
Concen: 21.718 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 96 Resp: 86200
Ion Ratio Lower Upper
96 100
61 246.7 190.2 285.4
98 68.7 49.6 74.4





#13

Acrolein

Concen: 108.747 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

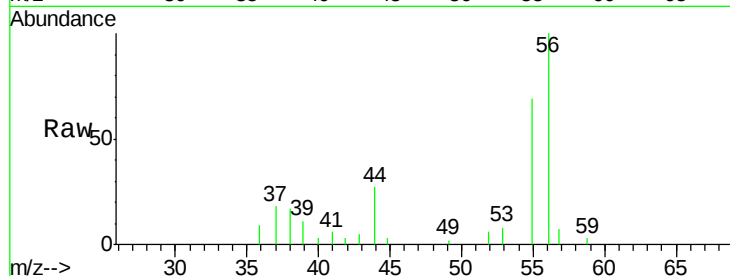
VD0607SBS02

Tot Ion: 56 Resp: 41277

Ion Ratio Lower Upper

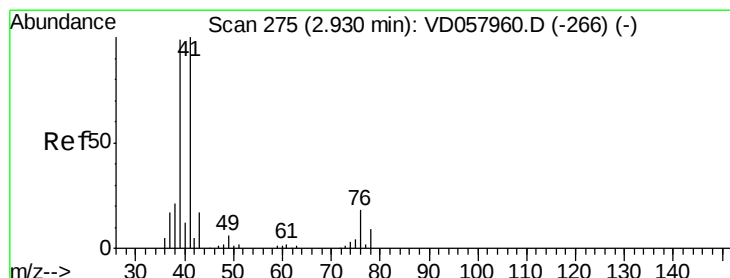
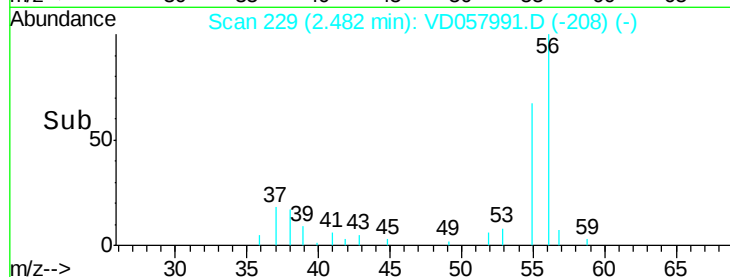
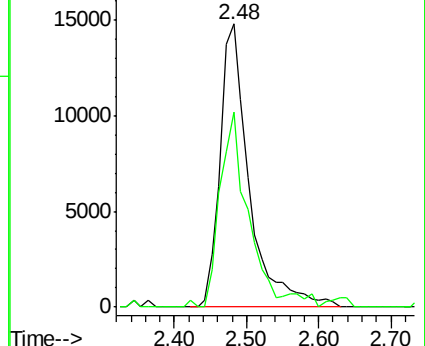
56 100

55 68.8 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.429 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

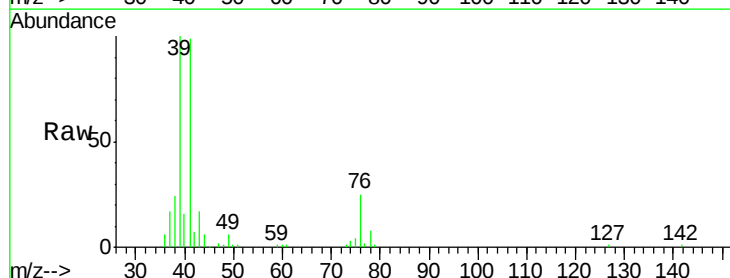
Tgt Ion: 41 Resp: 187045

Ion Ratio Lower Upper

41 100

39 101.0 79.5 119.3

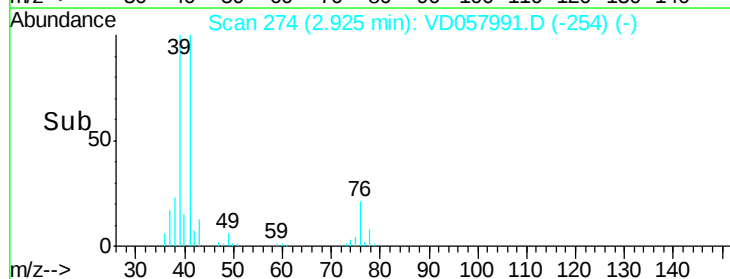
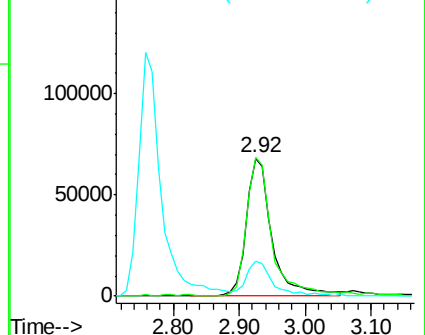
76 25.6 20.7 31.1

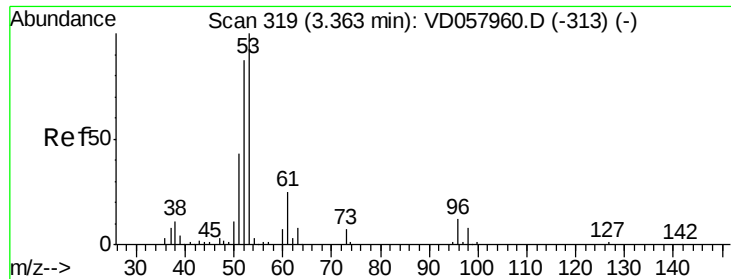


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 111.209 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD02

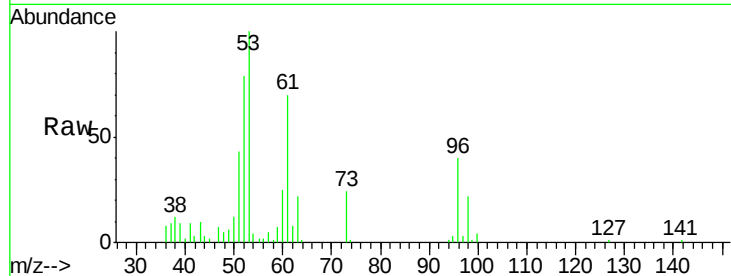
Tot Ion: 53 Resp: 172431

Ion Ratio Lower Upper

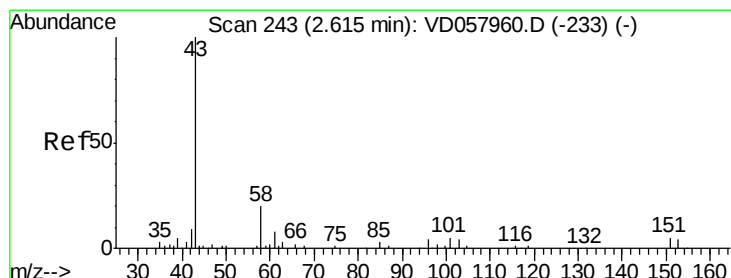
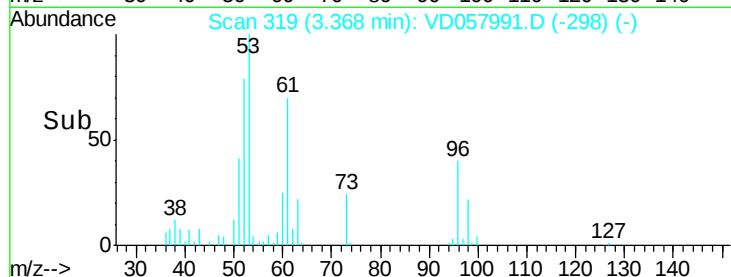
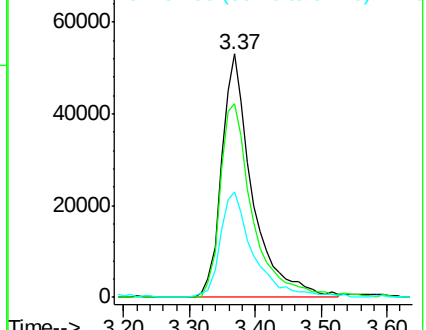
53 100

52 79.4 69.9 104.9

51 43.1 34.3 51.5



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



#16

Acetone

Concen: 94.464 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD057991.D

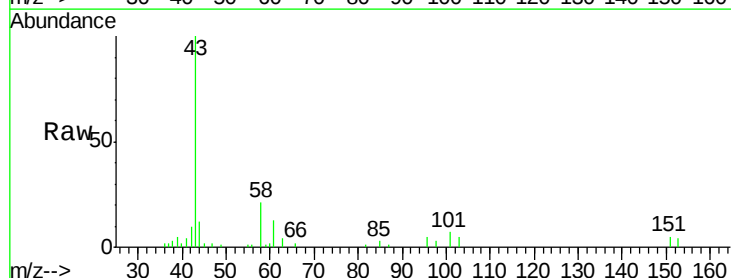
Acq: 8 Jun 2018 2:12

Tgt Ion: 43 Resp: 134650

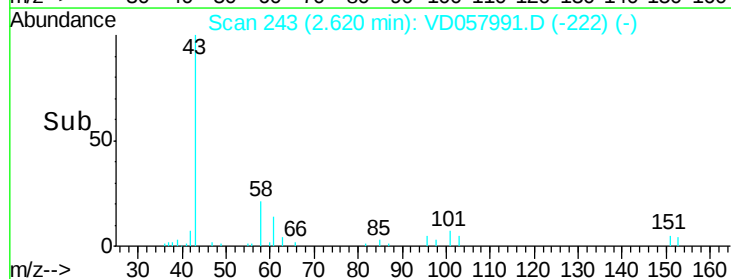
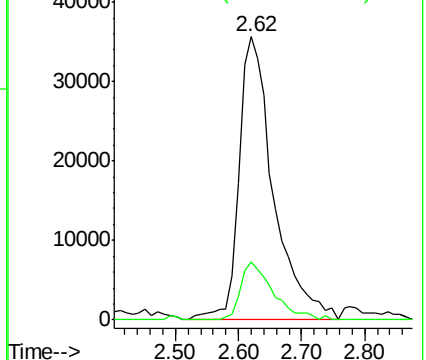
Ion Ratio Lower Upper

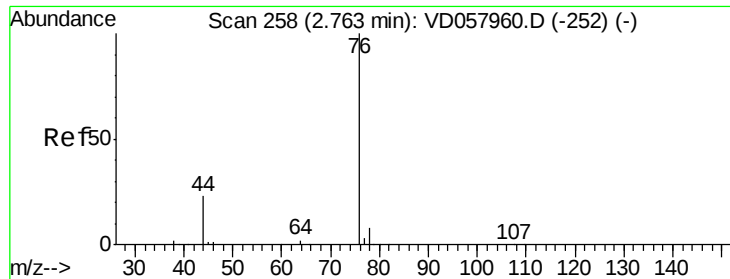
43 100

58 20.5 15.8 23.8



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

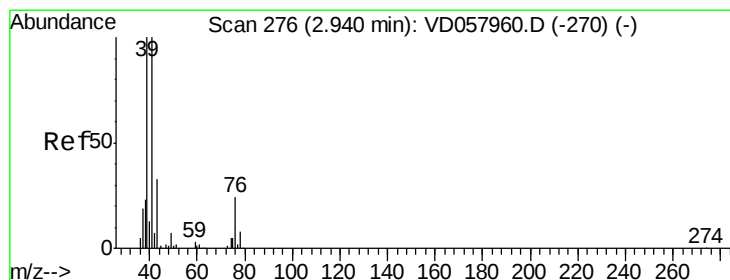
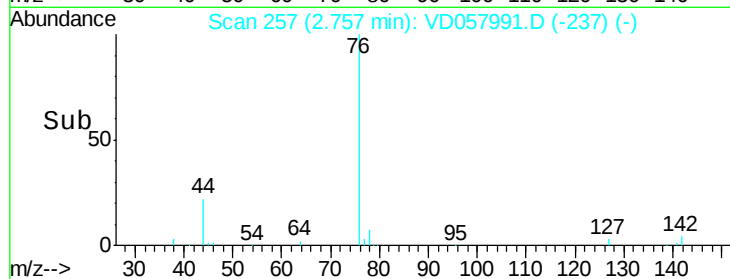
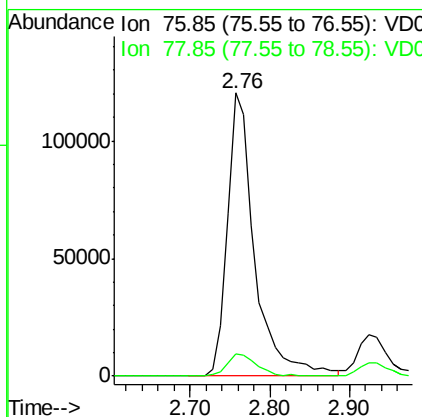
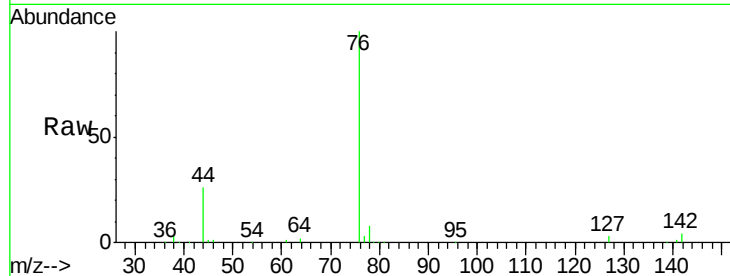




#17
Carbon Disulfide
Concen: 20.081 ug/l
RT: 2.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

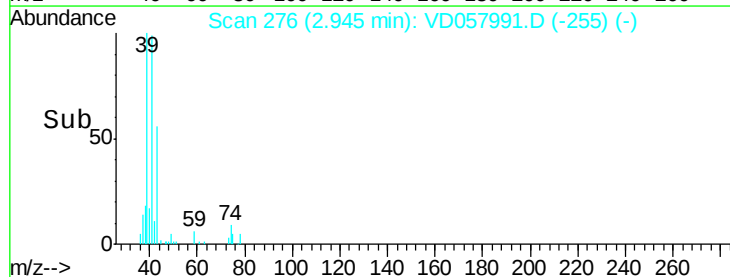
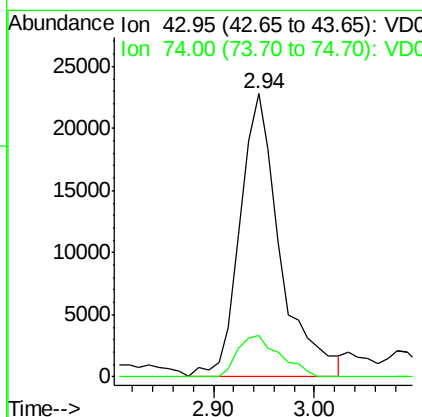
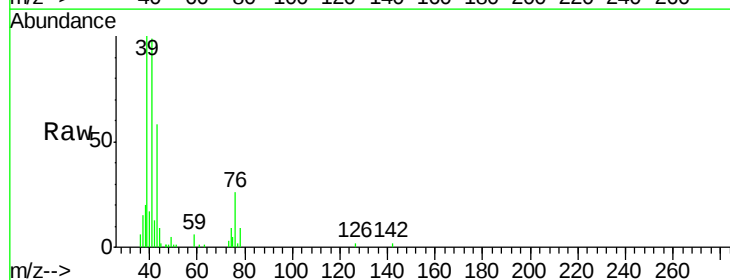
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

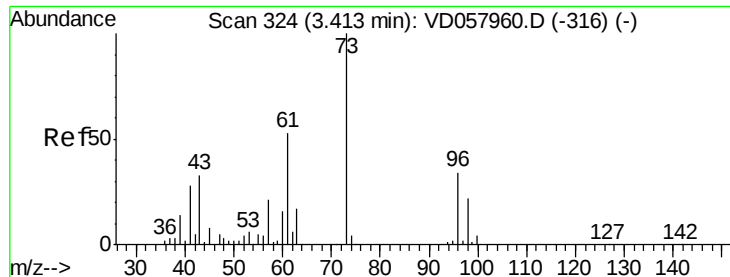
Tot Ion: 76 Resp: 288734
Ion Ratio Lower Upper
76 100
78 7.8 6.7 10.1



#18
Methyl Acetate
Concen: 22.966 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 43 Resp: 63328
Ion Ratio Lower Upper
43 100
74 14.7 11.2 16.8

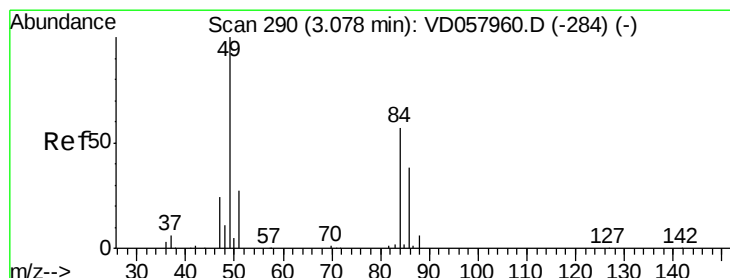
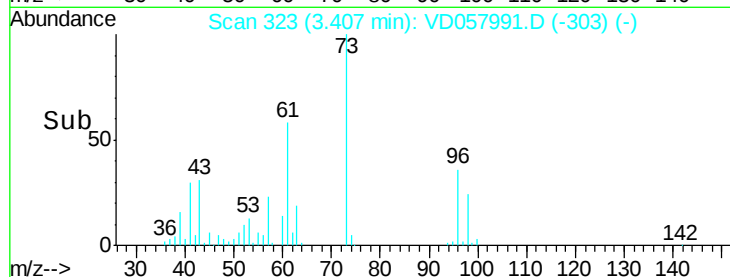
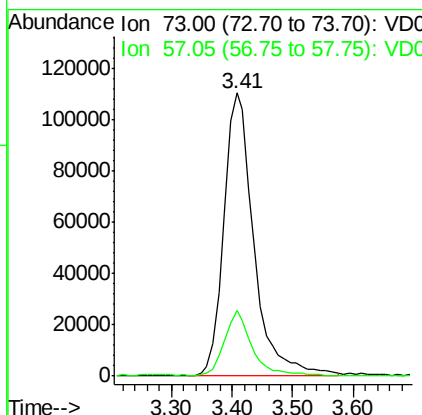
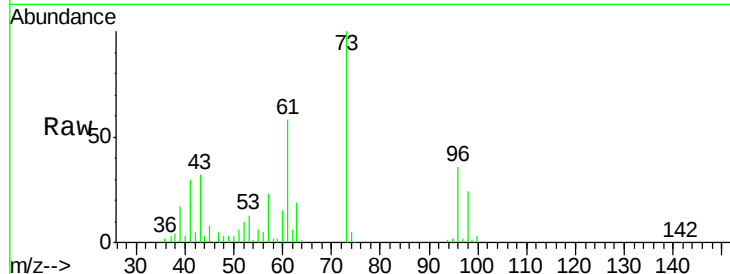




#19
Methyl tert-butyl Ether
Concen: 21.799 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

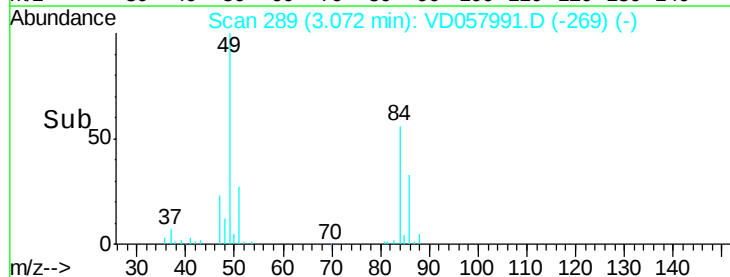
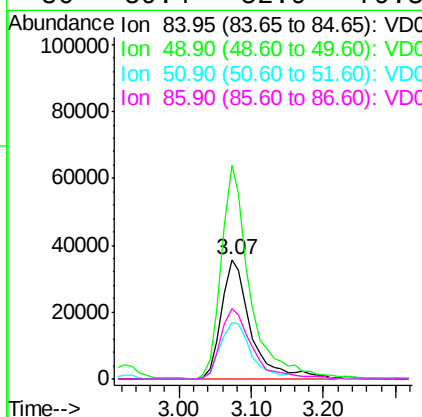
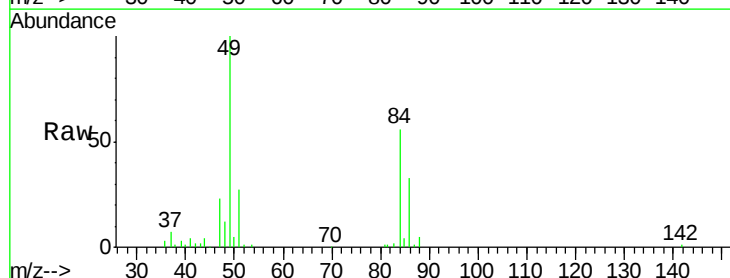
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

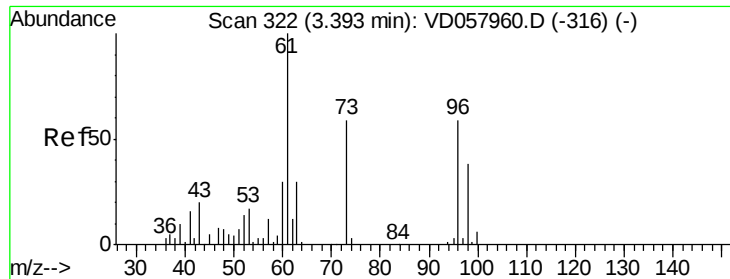
Tot Ion: 73 Resp: 380706
Ion Ratio Lower Upper
73 100
57 23.4 16.7 25.1



#20
Methylene Chloride
Concen: 24.912 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 84 Resp: 101038
Ion Ratio Lower Upper
84 100
49 178.7 141.4 212.0
51 47.4 38.3 57.5
86 59.4 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 20.260 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

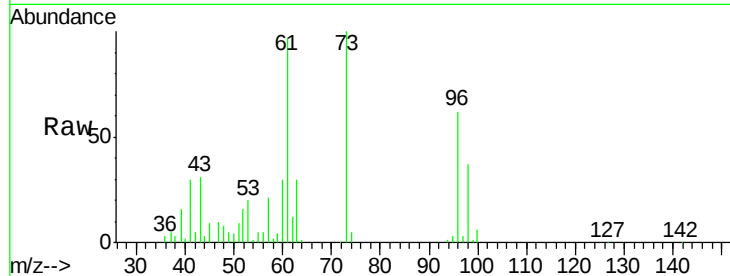
Tot Ion: 96 Resp: 179103

Ion Ratio Lower Upper

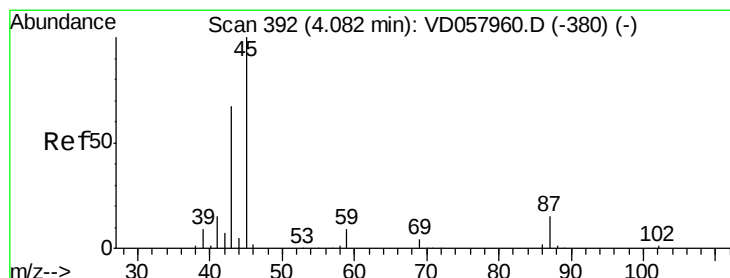
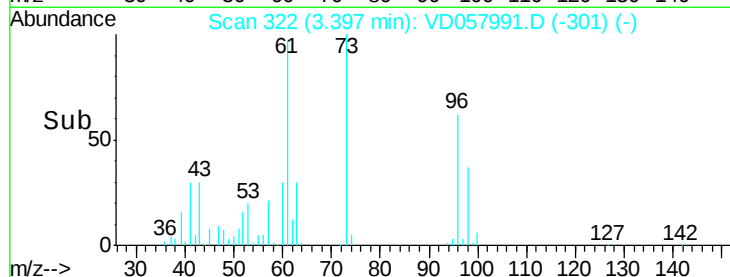
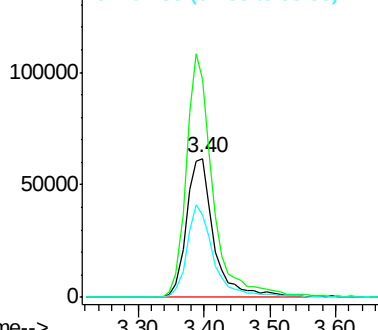
96 100

61 157.2 135.2 202.8

98 59.1 51.7 77.5



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: 21.109 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Tgt Ion: 45 Resp: 765662

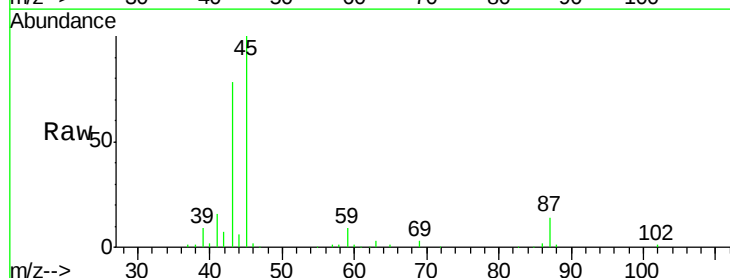
Ion Ratio Lower Upper

45 100

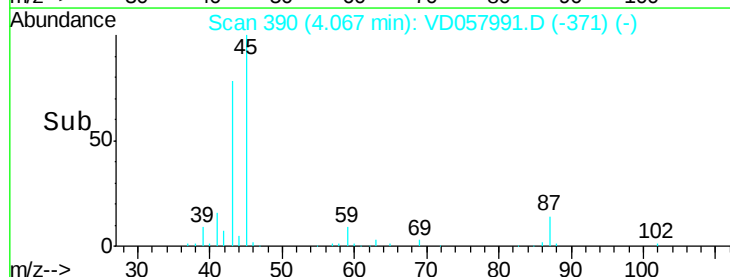
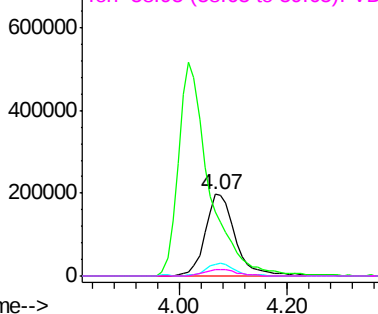
43 78.4 53.8 80.8

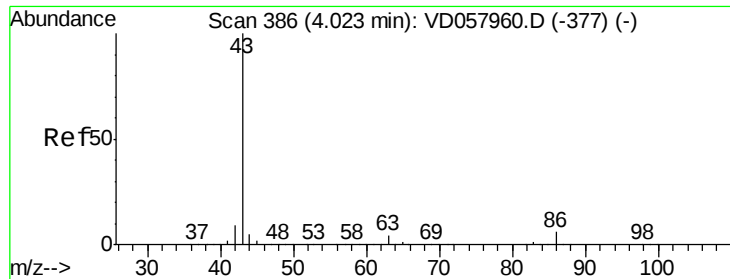
87 13.6 12.5 18.7

59 8.6 7.3 10.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

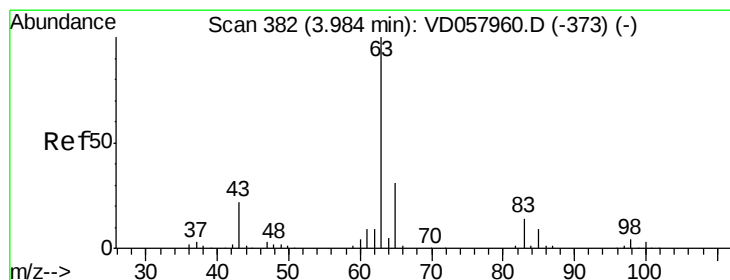
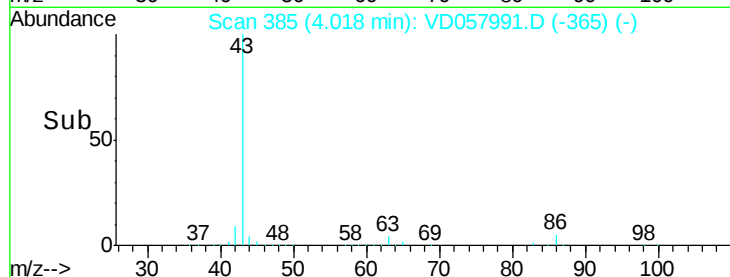
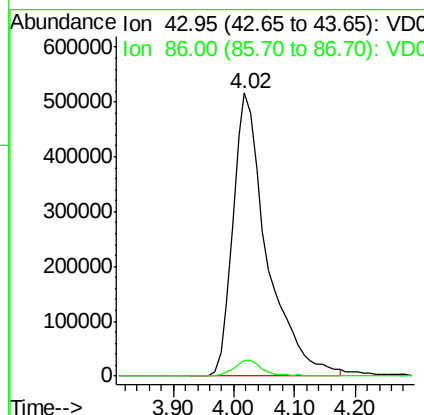
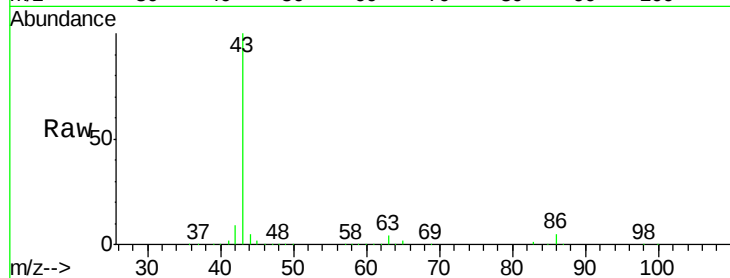




#23
 Vinyl Acetate
 Concen: 107.527 ug/l
 RT: 4.02 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

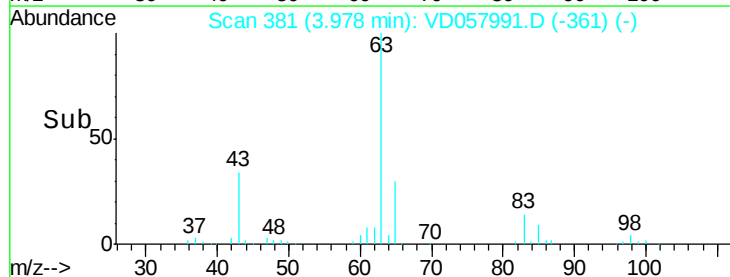
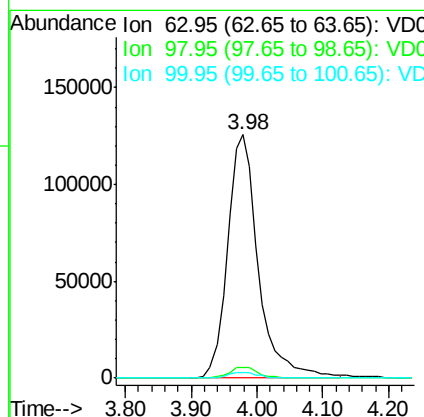
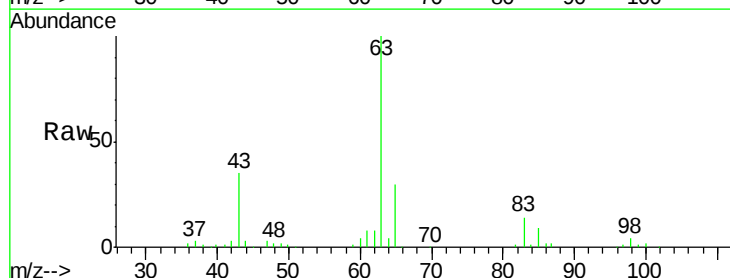
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD02

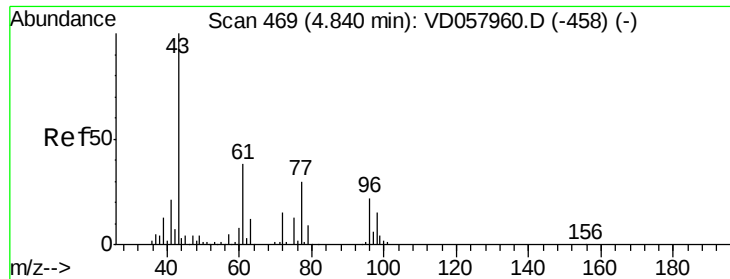
Tot Ion: 43 Resp: 2015173
 Ion Ratio Lower Upper
 43 100
 86 5.4 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 20.539 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion: 63 Resp: 409449
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.0 5.8
 100 2.3 1.4 4.2





#25

2-Butanone

Concen: 105.302 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

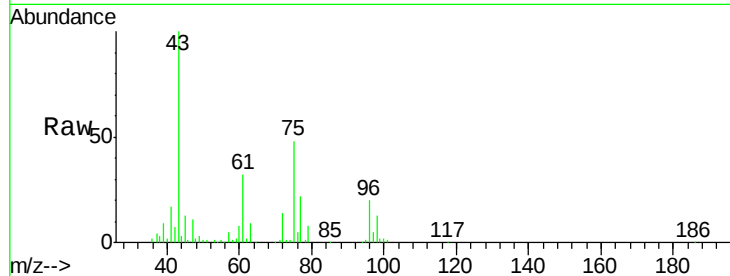
VD0607SBS02

Tot Ion: 43 Resp: 341117

Ion Ratio Lower Upper

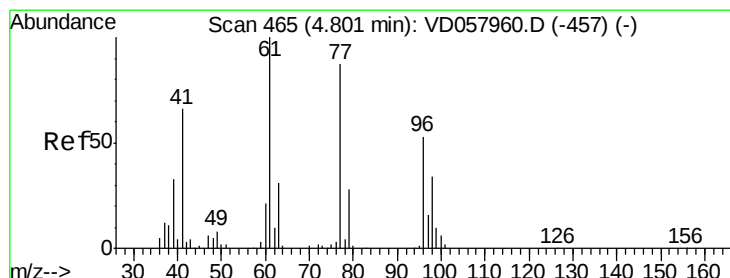
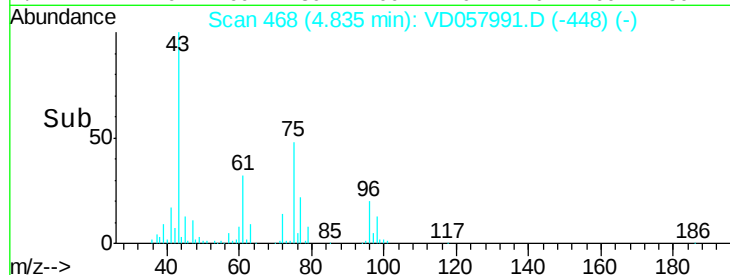
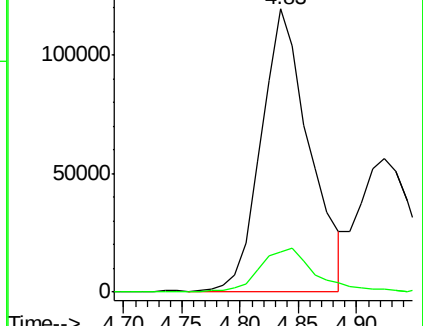
43 100

72 14.0 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.472 ug/l

RT: 4.80 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD057991.D

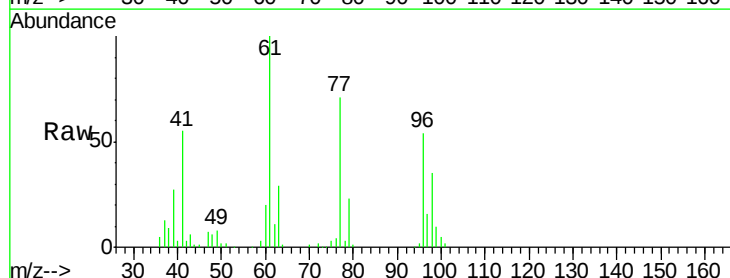
Acq: 8 Jun 2018 2:12

Tgt Ion: 77 Resp: 303343

Ion Ratio Lower Upper

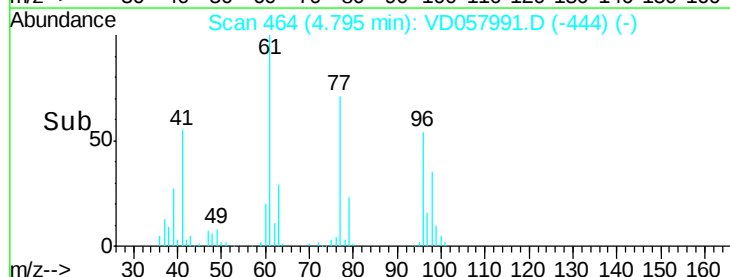
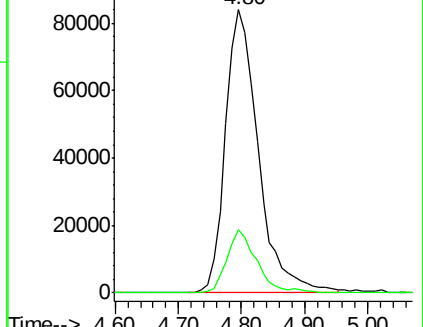
77 100

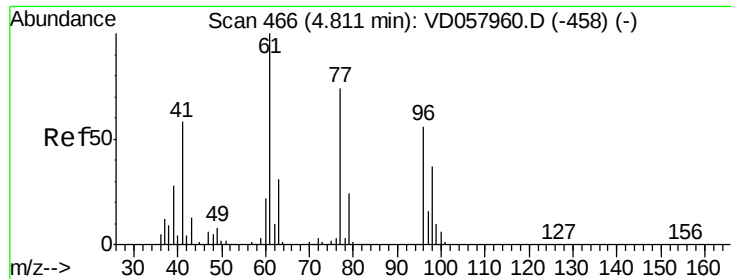
97 22.4 9.2 27.6



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: 20.998 ug/l

RT: 4.81 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

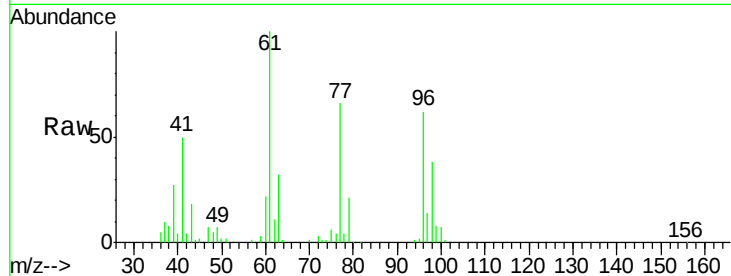
Tot Ion: 96 Resp: 220159

Ion Ratio Lower Upper

96 100

61 162.1 0.0 355.0

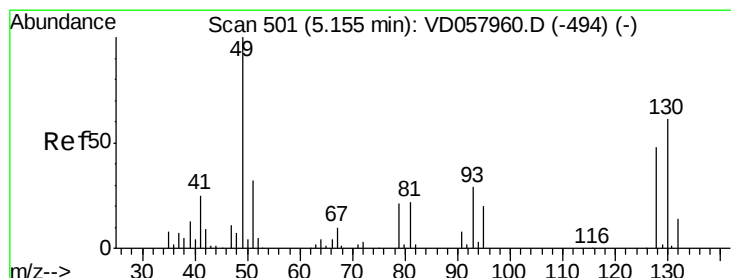
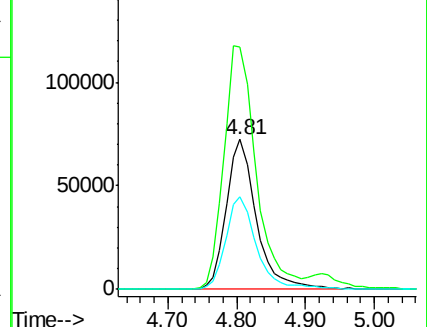
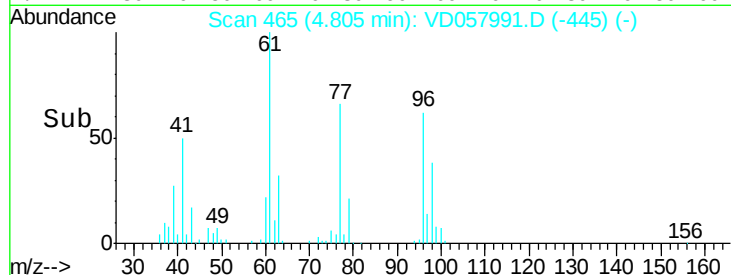
98 61.7 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 22.965 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

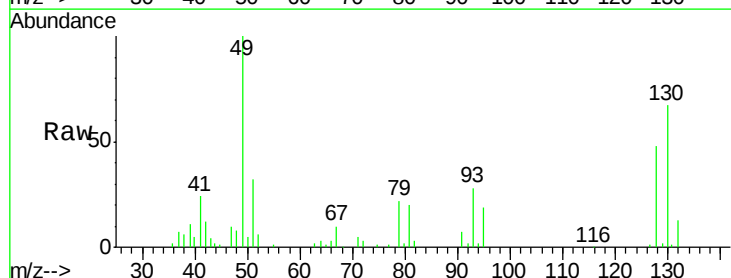
Tgt Ion: 49 Resp: 198143

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

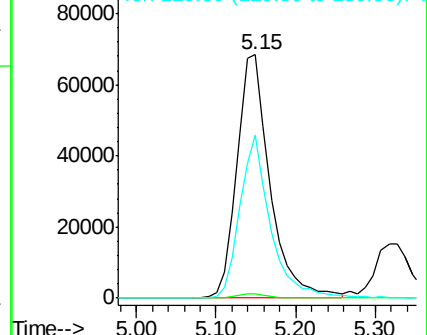
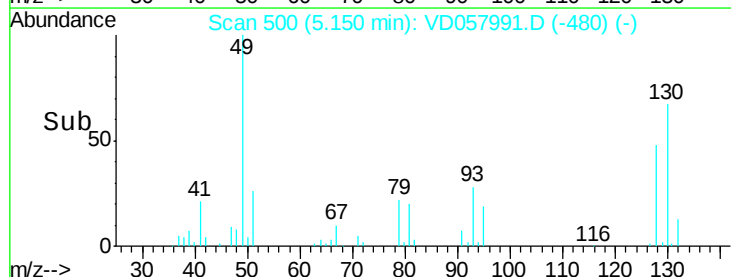
130 66.9 48.8 73.2

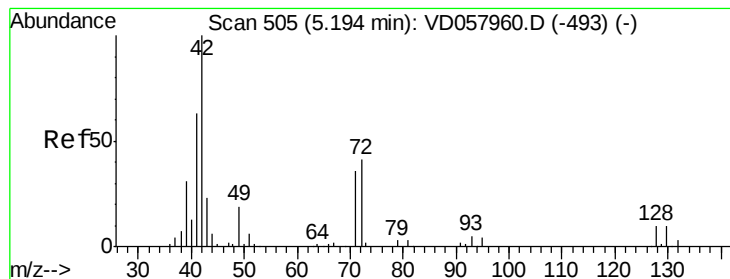


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 113.891 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD02

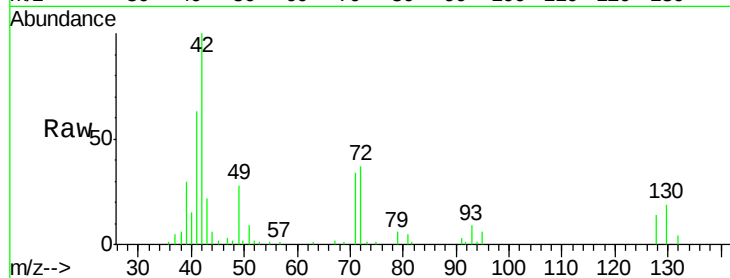
Tot Ion: 42 Resp: 193401

Ion Ratio Lower Upper

42 100

72 35.3 28.5 42.7

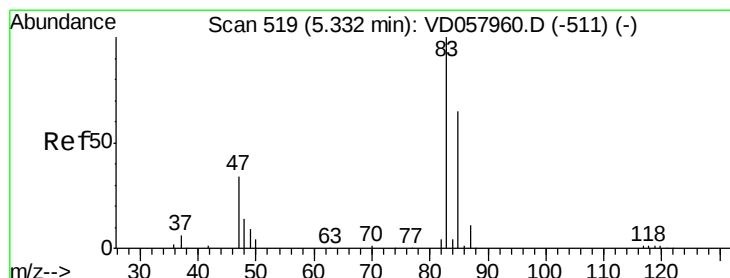
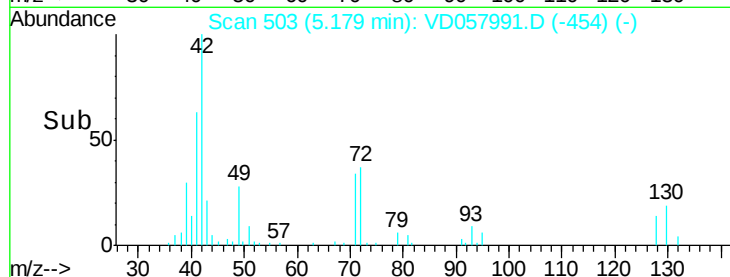
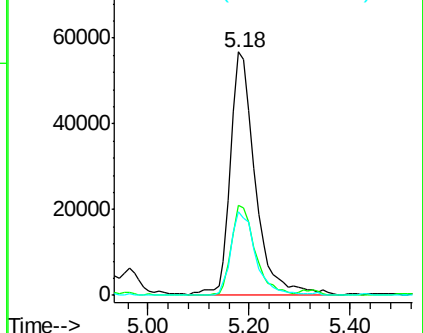
71 33.6 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.854 ug/l

RT: 5.32 min Scan# 517

Delta R.T. -0.02 min

Lab File: VD057991.D

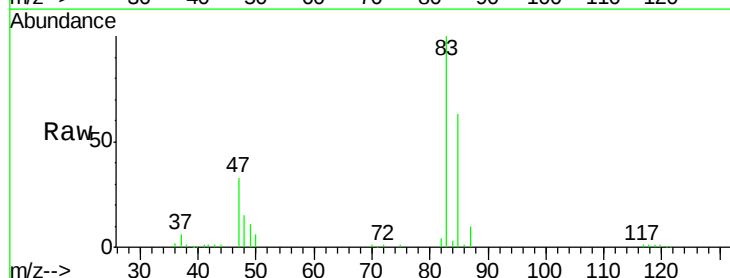
Acq: 8 Jun 2018 2:12

Tgt Ion: 83 Resp: 418393

Ion Ratio Lower Upper

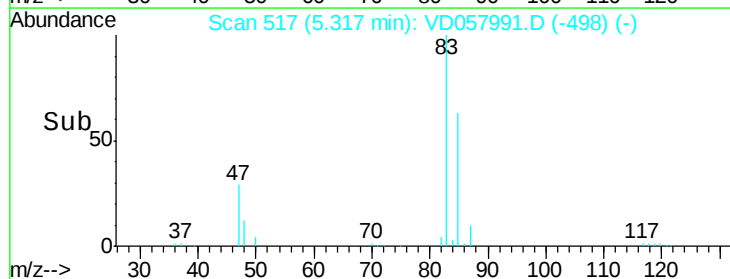
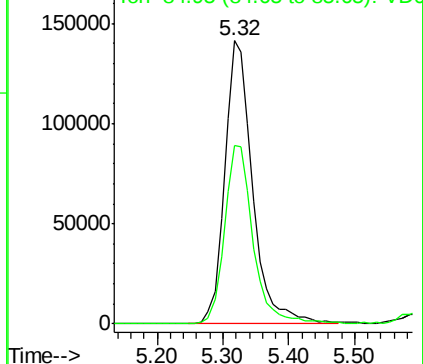
83 100

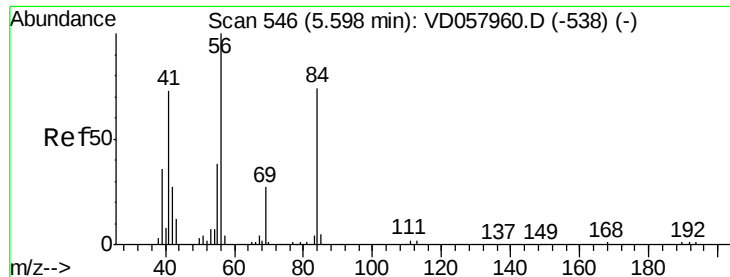
85 62.8 51.6 77.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.376 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

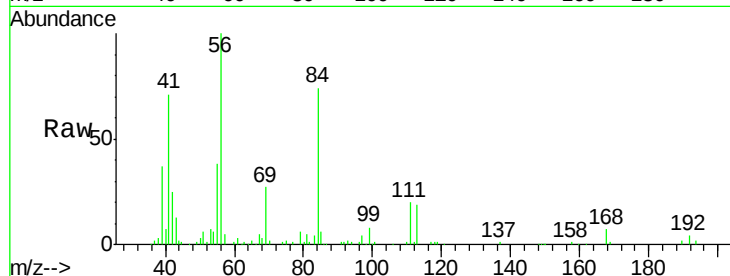
Tot Ion: 56 Resp: 333335

Ion Ratio Lower Upper

56 100

69 27.3 21.5 32.3

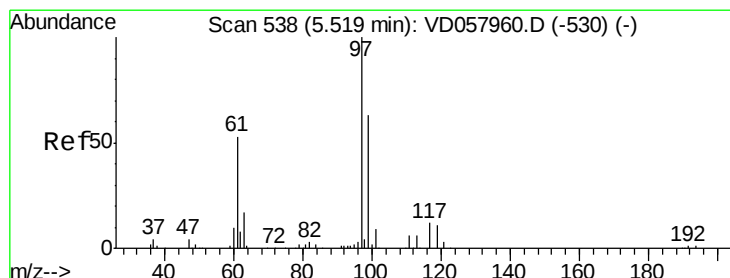
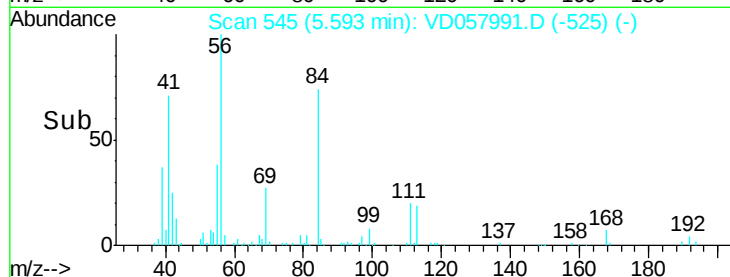
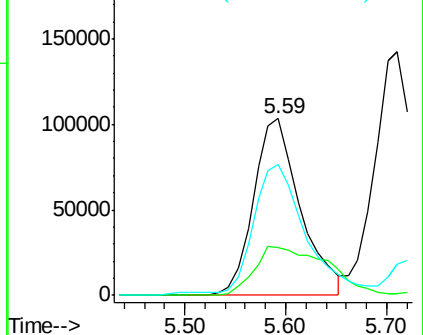
84 74.4 61.0 91.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 19.767 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

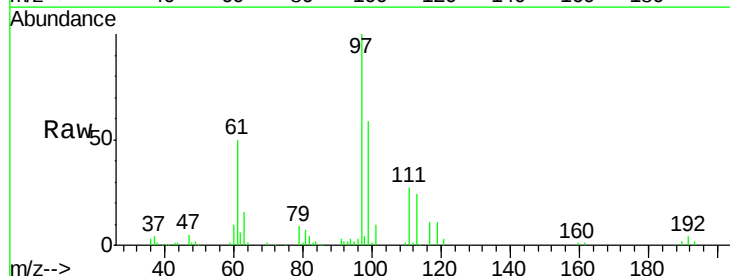
Tgt Ion: 97 Resp: 332054

Ion Ratio Lower Upper

97 100

99 59.5 50.1 75.1

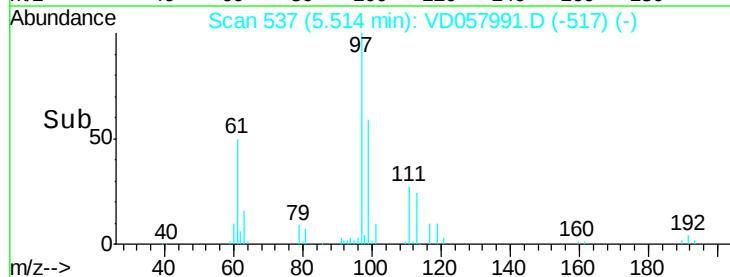
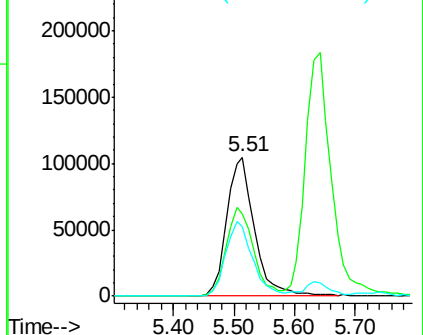
61 50.2 42.2 63.4

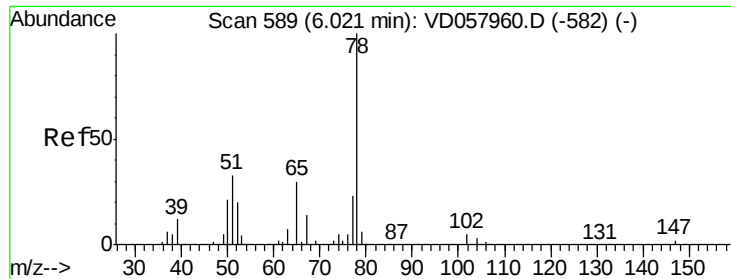


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.767 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

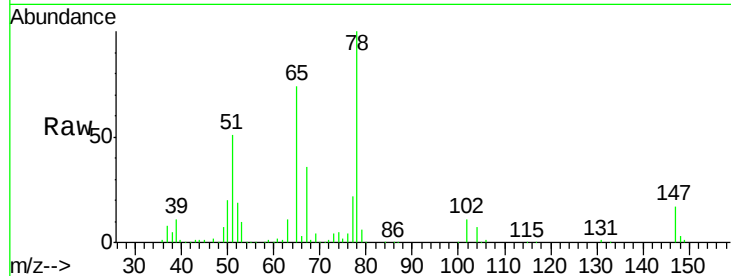
VD0607SBSD02

Tot Ion: 65 Resp: 498445

Ion Ratio Lower Upper

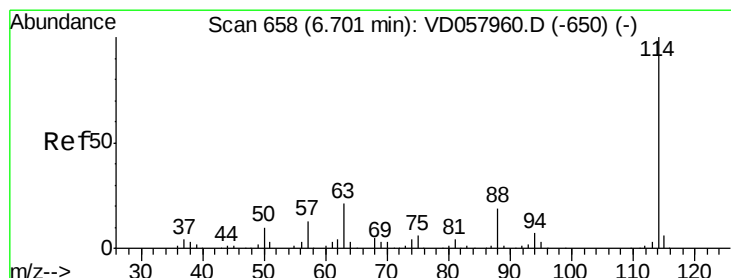
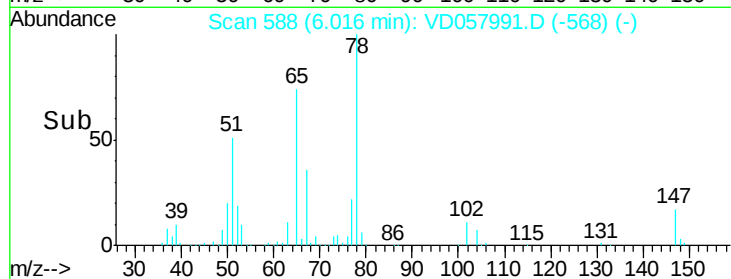
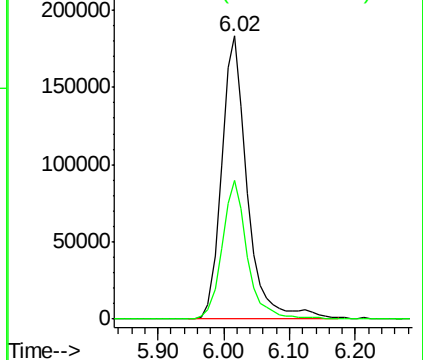
65 100

67 49.0 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

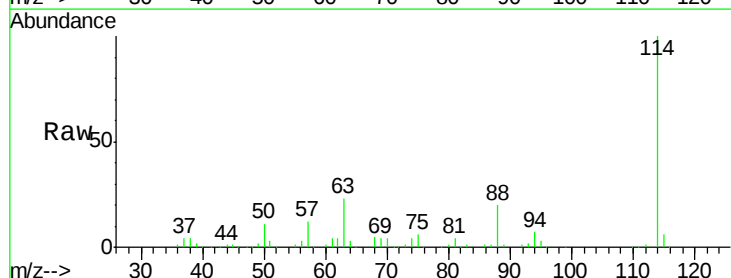
Tgt Ion: 114 Resp: 1297925

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.8

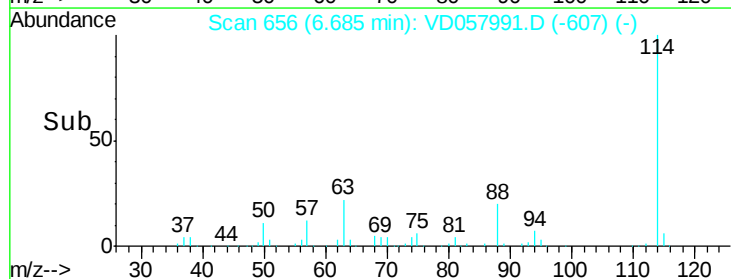
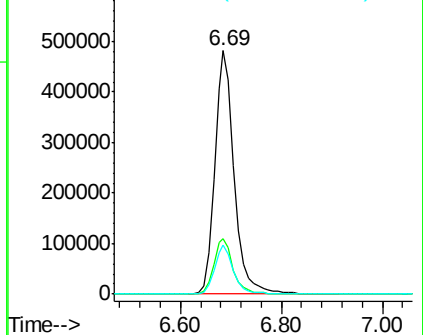
88 20.3 0.0 37.8

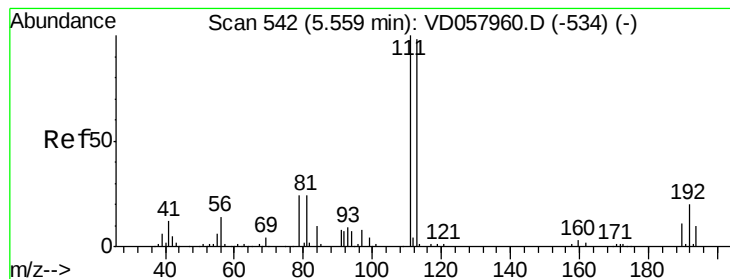


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

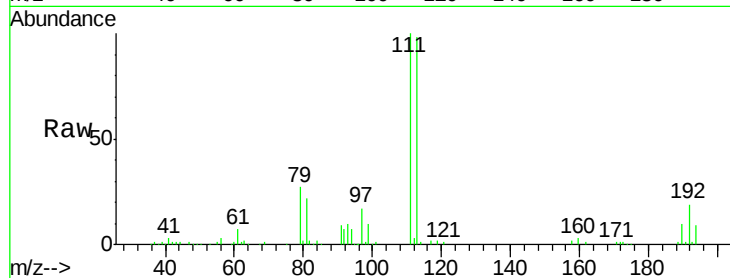
Tot Ion:113 Resp: 496205

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

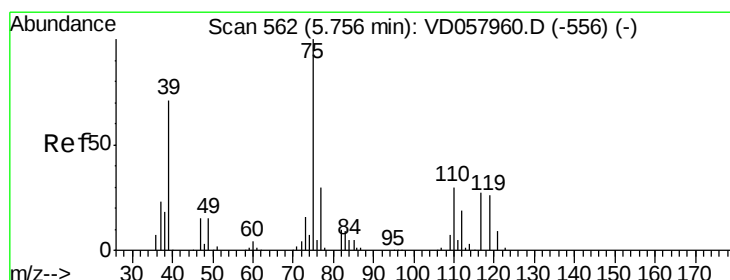
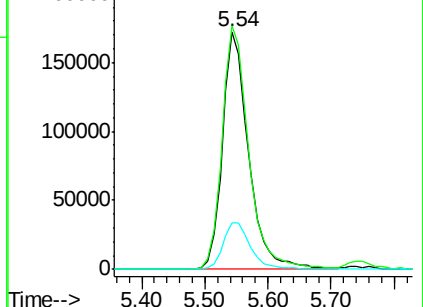
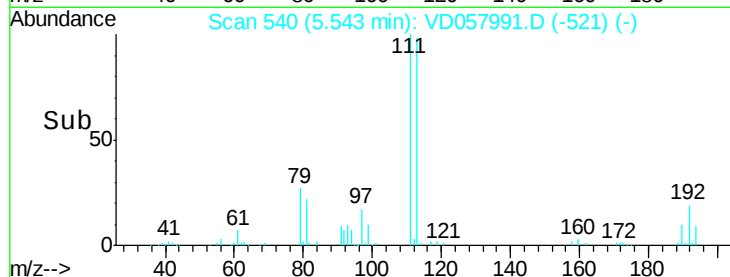
192 19.7 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.488 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

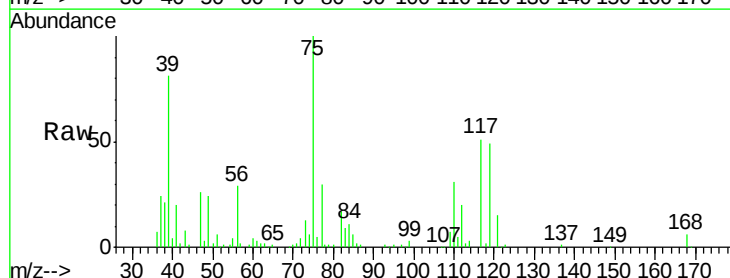
Tgt Ion: 75 Resp: 292975

Ion Ratio Lower Upper

75 100

110 31.4 14.8 44.3

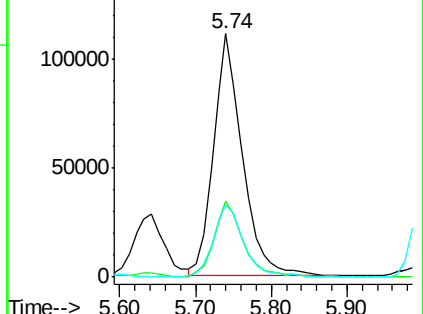
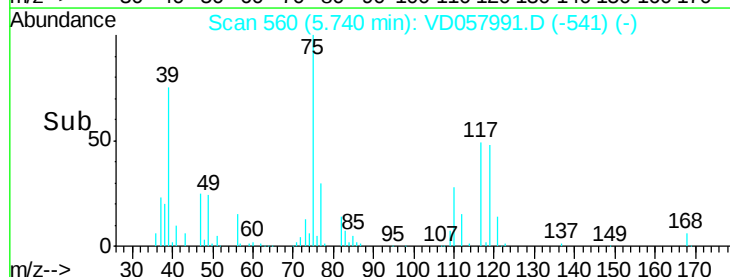
77 29.8 23.9 35.9

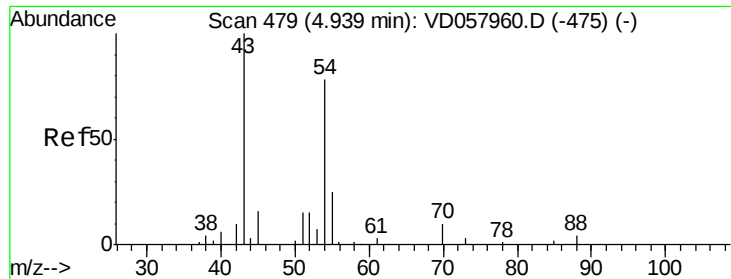


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

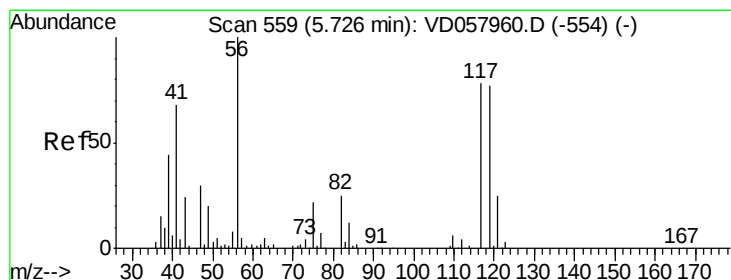
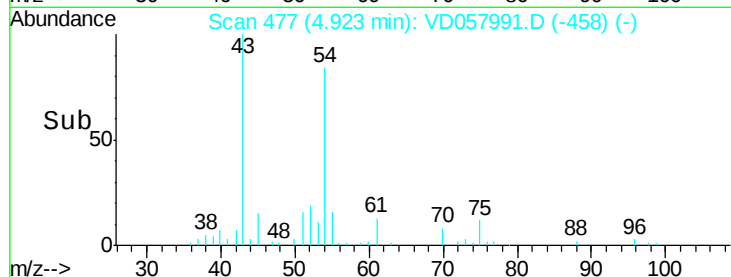
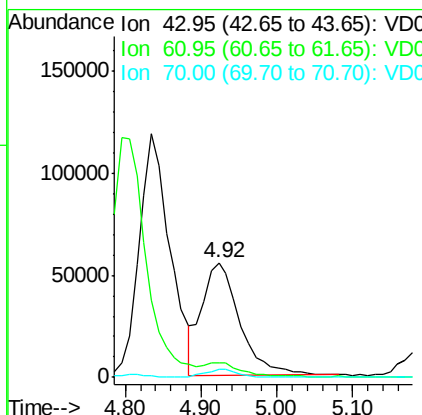
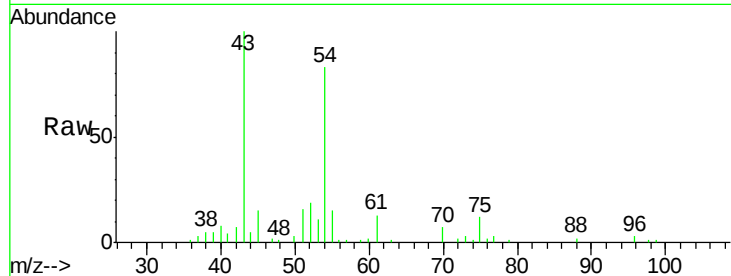




#37
Ethyl Acetate
Concen: 24.853 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

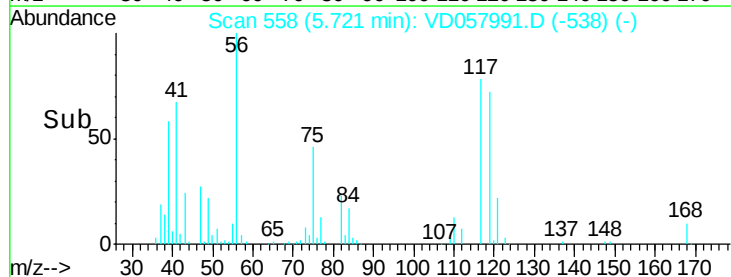
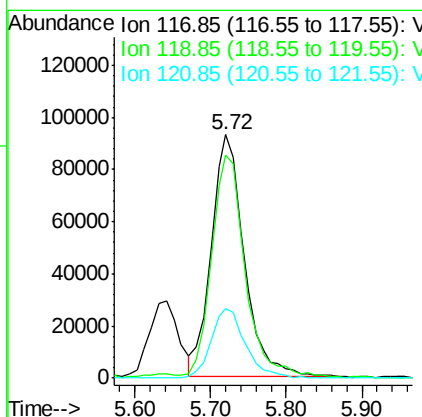
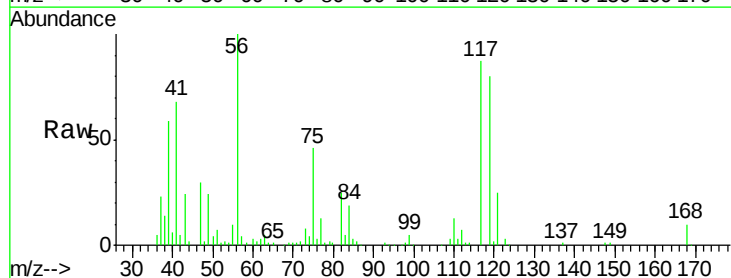
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

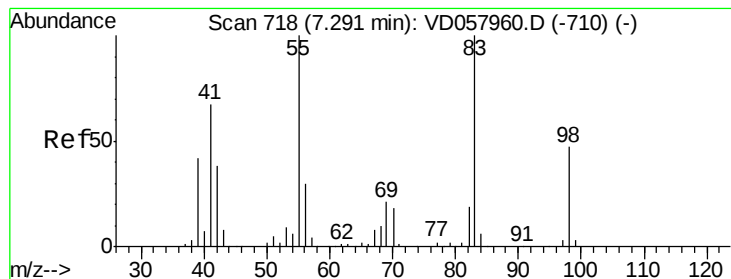
Tot Ion: 43 Resp: 193922
Ion Ratio Lower Upper
43 100
61 13.2 9.9 14.9
70 7.5 5.7 8.5



#38
Carbon Tetrachloride
Concen: 19.917 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 117 Resp: 280687
Ion Ratio Lower Upper
117 100
119 91.9 76.1 114.1
121 28.6 24.9 37.3





#39

Methvlcvclohexane

Concen: 19.949 ug/l

RT: 7.28 min Scan# 716

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD02

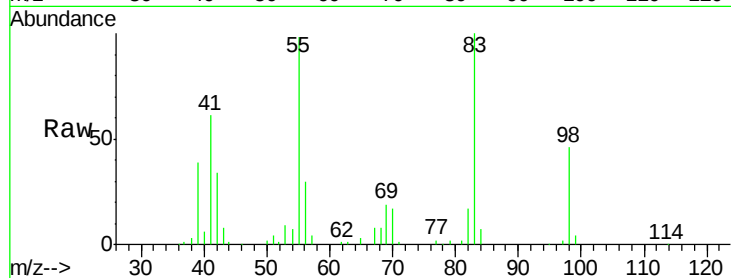
Tot Ion: 83 Resp: 282793

Ion Ratio Lower Upper

83 100

55 97.7 80.3 120.5

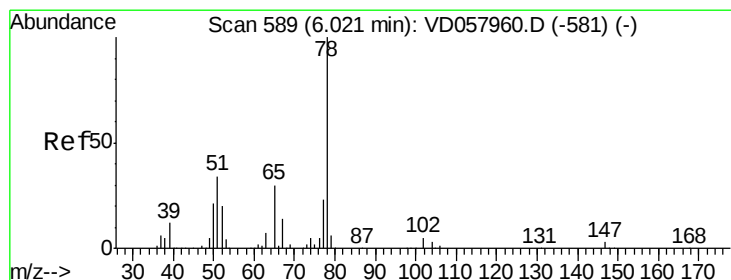
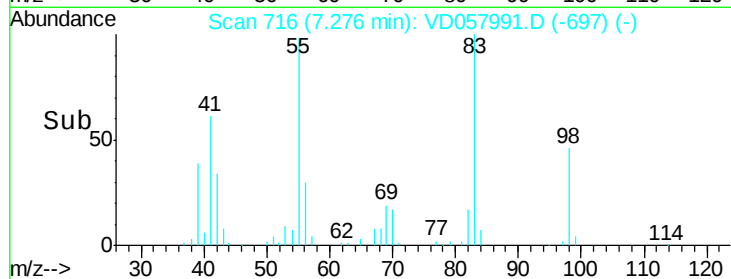
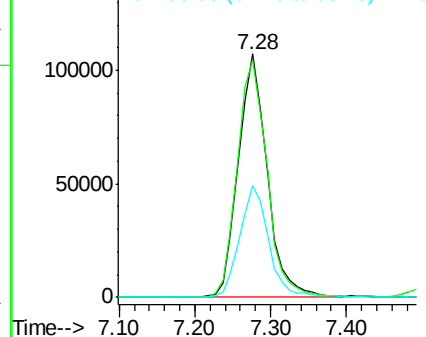
98 45.7 38.0 57.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.188 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD057991.D

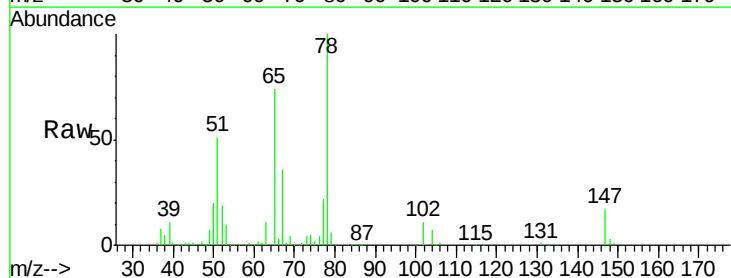
Acq: 8 Jun 2018 2:12

Tgt Ion: 78 Resp: 707779

Ion Ratio Lower Upper

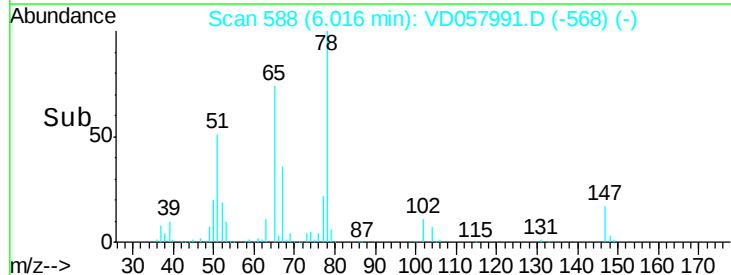
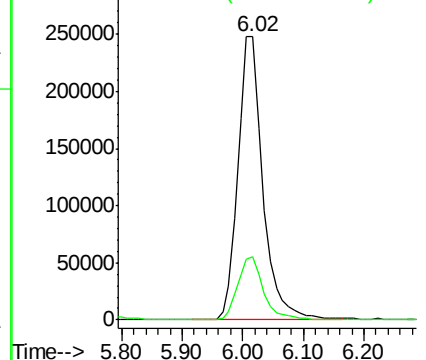
78 100

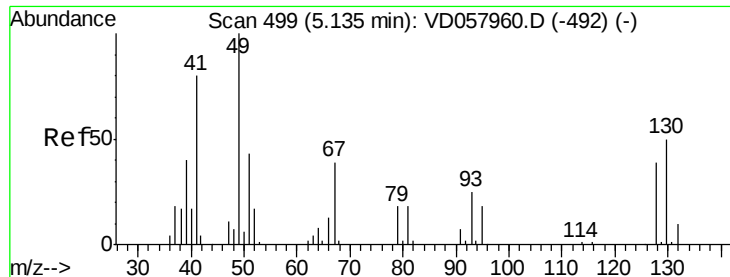
77 22.2 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 22.929 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

Tot Ion: 41 Resp: 81804

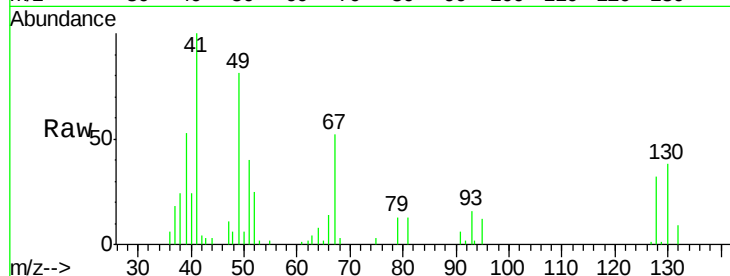
Ion Ratio Lower Upper

41 100

39 53.3 40.7 61.1

67 52.5 38.8 58.2

52 25.4 17.3 25.9

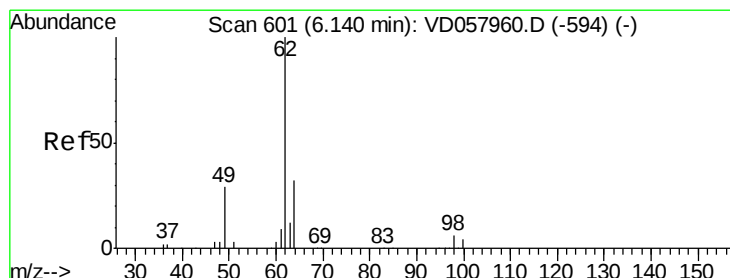
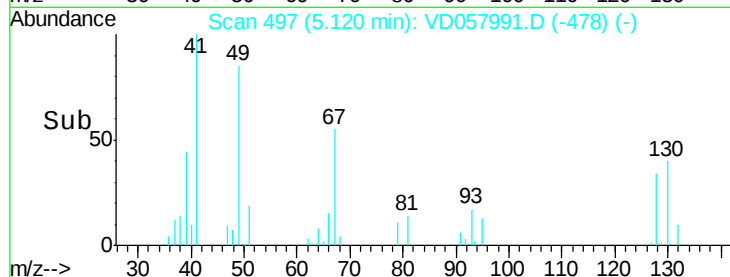
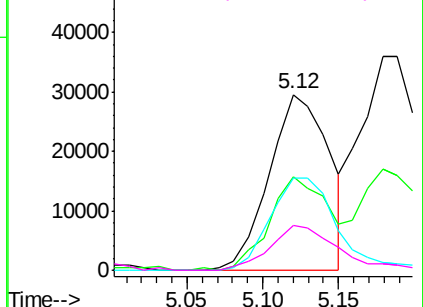


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.038 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD057991.D

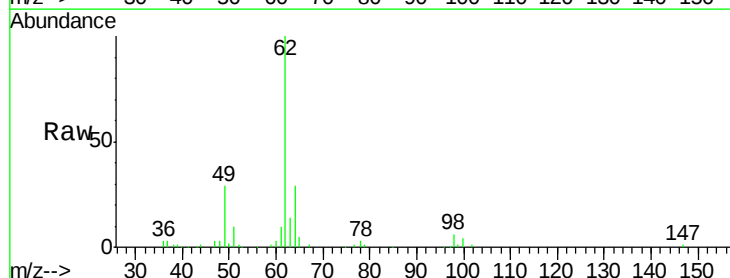
Acq: 8 Jun 2018 2:12

Tgt Ion: 62 Resp: 297649

Ion Ratio Lower Upper

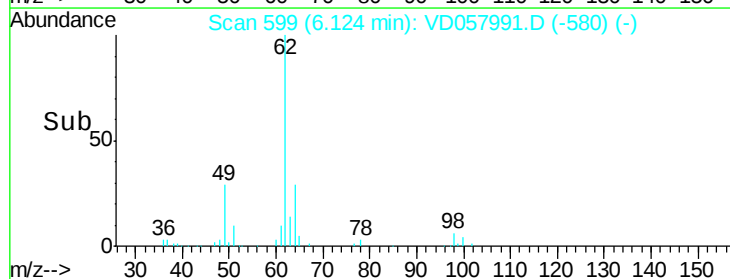
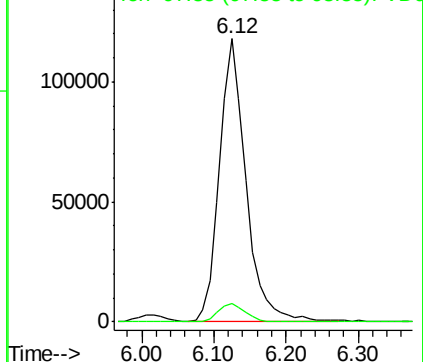
62 100

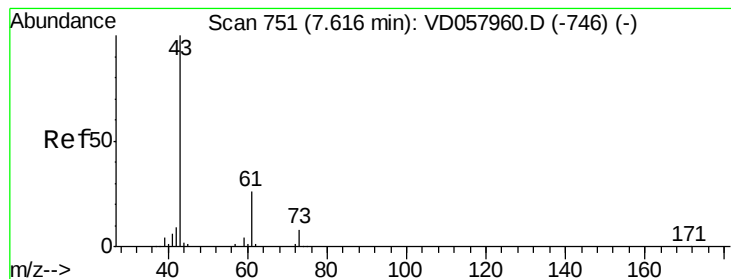
98 6.5 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



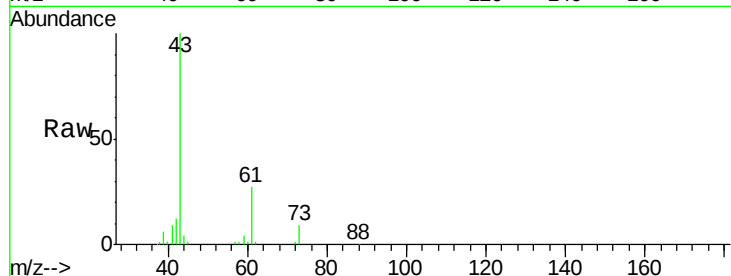


#43

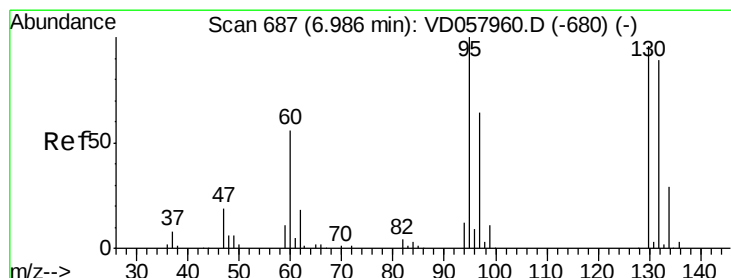
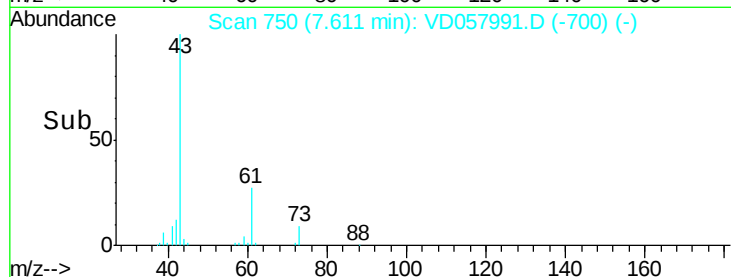
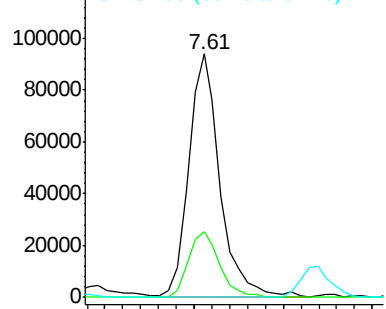
Isopropyl Acetate
 Concen: 22.221 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD02

Tot Ion: 43 Resp: 227105
 Ion Ratio Lower Upper
 43 100
 61 26.8 20.6 30.8
 87 0.0 0.2 0.4#



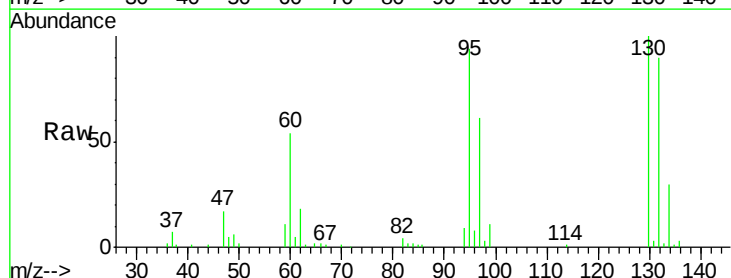
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



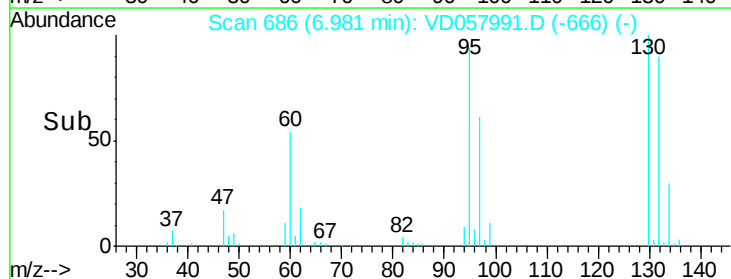
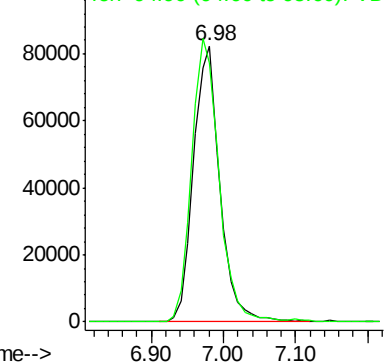
#44

Trichloroethene
 Concen: 21.366 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion:130 Resp: 208481
 Ion Ratio Lower Upper
 130 100
 95 94.0 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 21.318 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

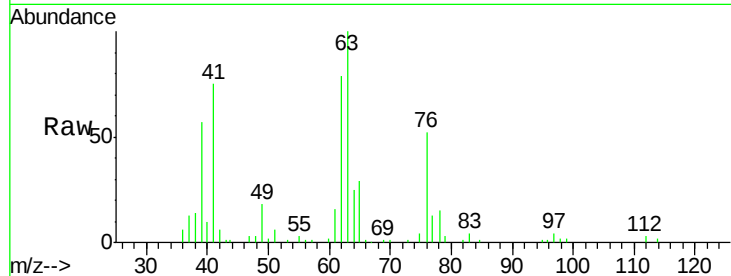
VD0607SBSD02

Tot Ion: 63 Resp: 197926

Ion Ratio Lower Upper

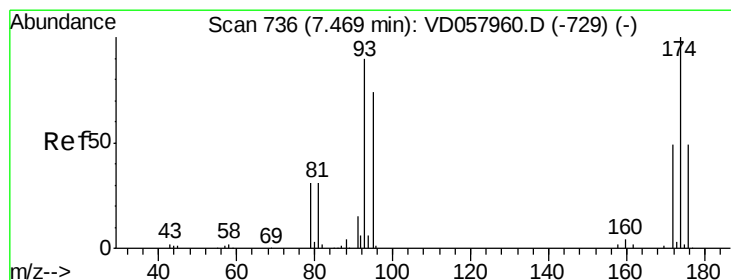
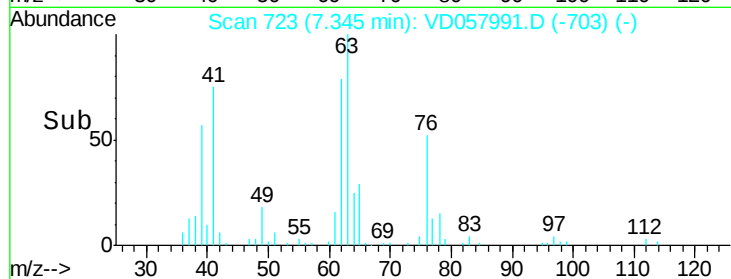
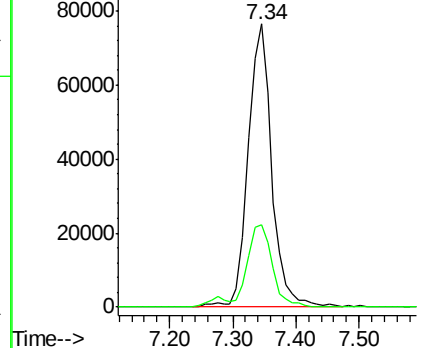
63 100

65 28.9 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.072 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

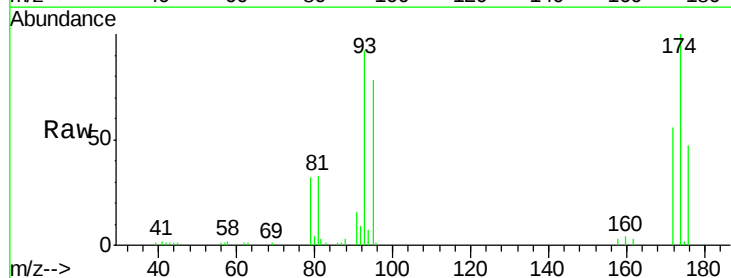
Tgt Ion: 93 Resp: 131642

Ion Ratio Lower Upper

93 100

95 84.9 65.7 98.5

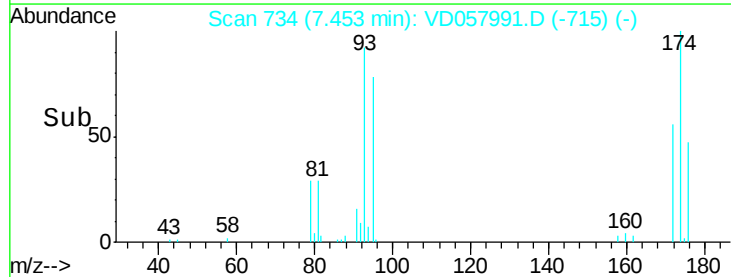
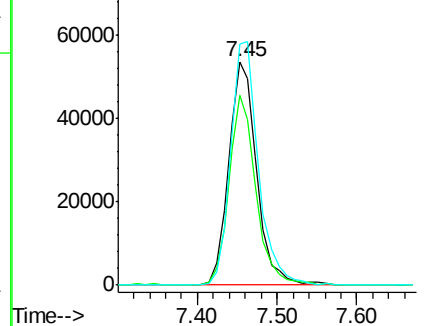
174 108.2 89.0 133.4

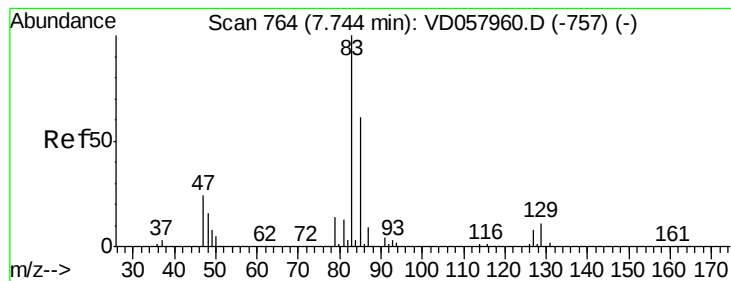


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.442 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD02

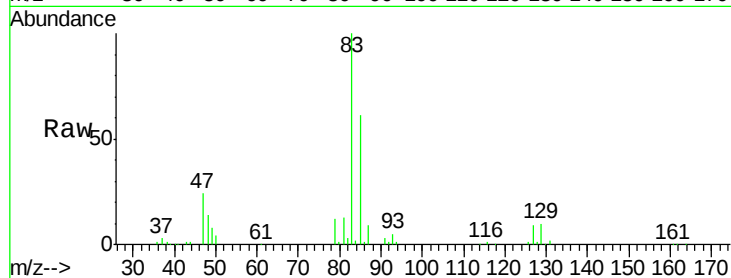
Tot Ion: 83 Resp: 299427

Ion Ratio Lower Upper

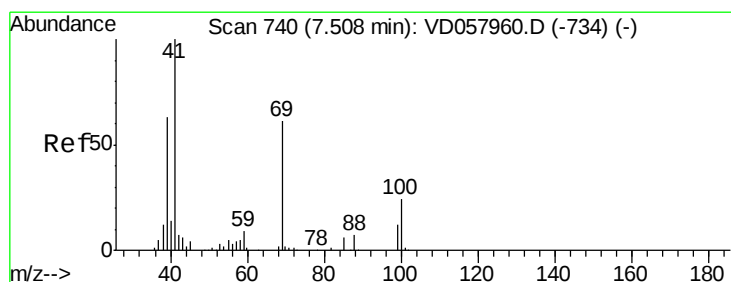
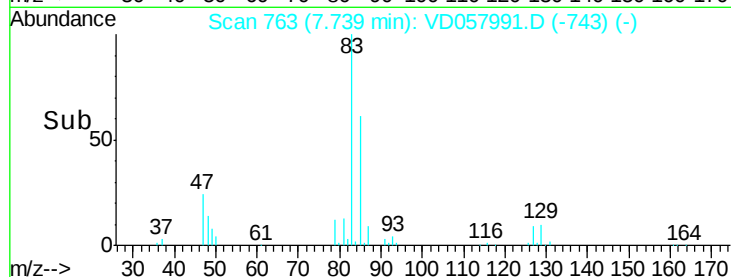
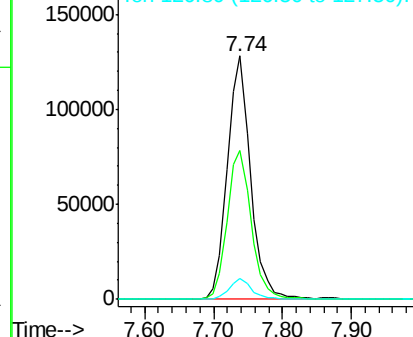
83 100

85 61.1 49.1 73.7

127 8.6 6.2 9.2



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



#48

Methyl methacrylate

Concen: 21.912 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

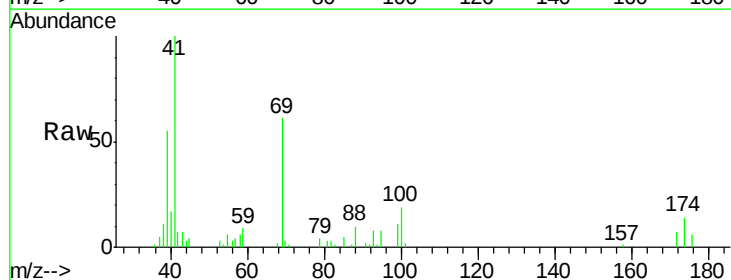
Tgt Ion: 41 Resp: 137836

Ion Ratio Lower Upper

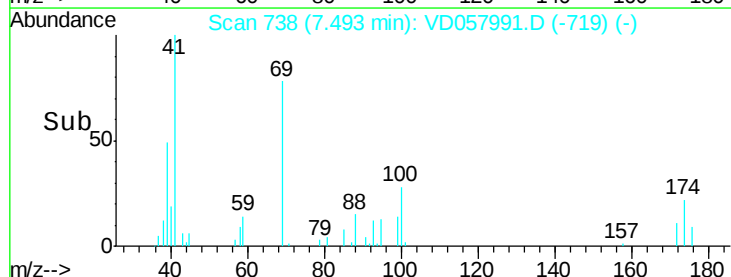
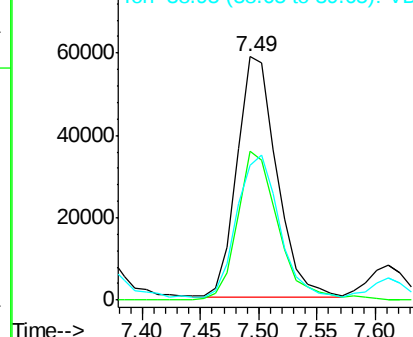
41 100

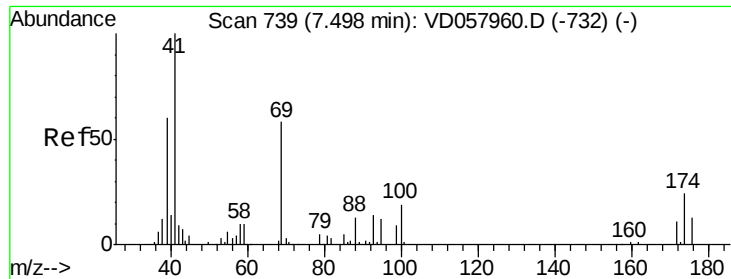
69 61.0 48.0 72.0

39 55.3 50.7 76.1



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





#49

1,4-Dioxane

Concen: 461.108 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

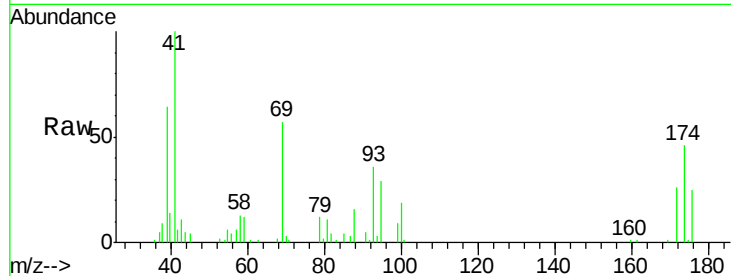
Tot Ion: 88 Resp: 24029

Ion Ratio Lower Upper

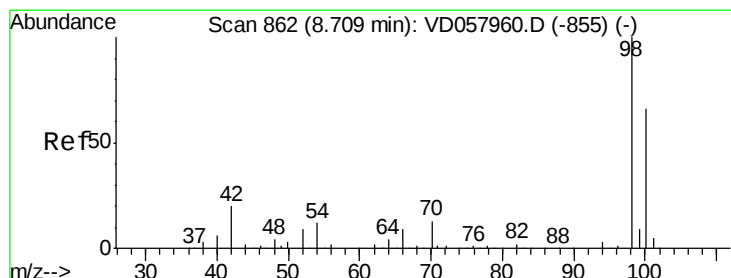
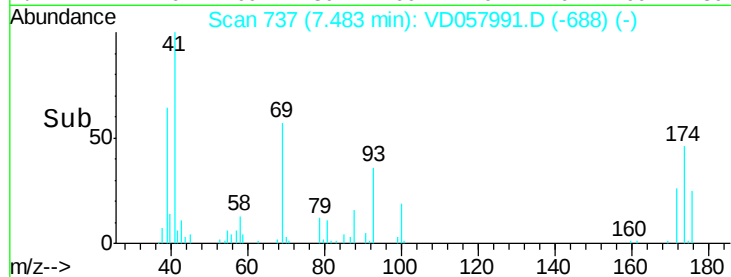
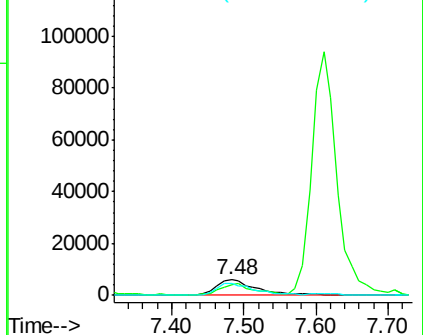
88 100

43 67.9 46.6 69.8

58 79.7 63.6 95.4



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: 461.108 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD057991.D

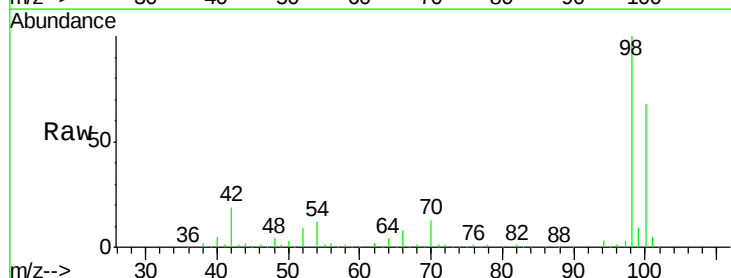
Acq: 8 Jun 2018 2:12

Tgt Ion: 98 Resp: 1151193

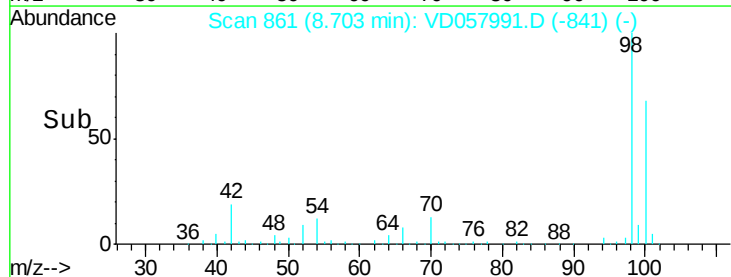
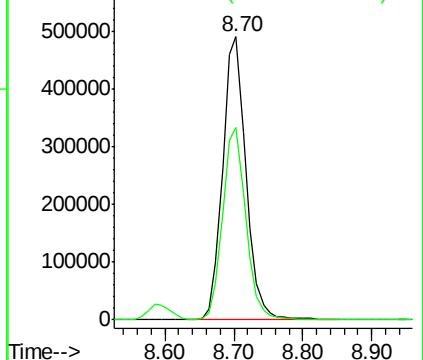
Ion Ratio Lower Upper

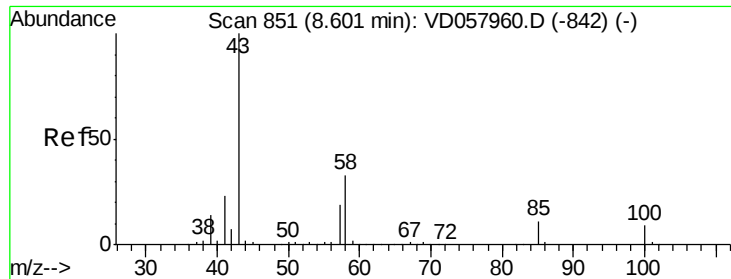
98 100

100 68.0 53.4 80.0



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: 118.302 ug/l

RT: 8.59 min Scan# 849

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

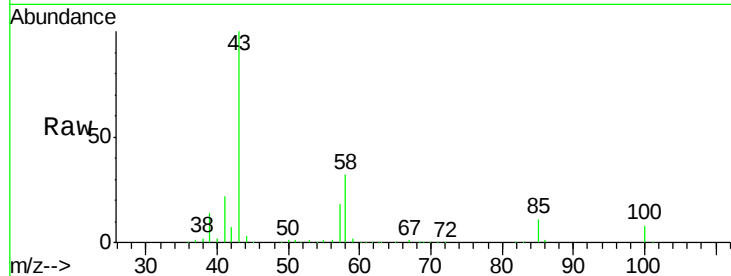
VD0607SBS02

Tot Ion: 43 Resp: 775509

Ion Ratio Lower Upper

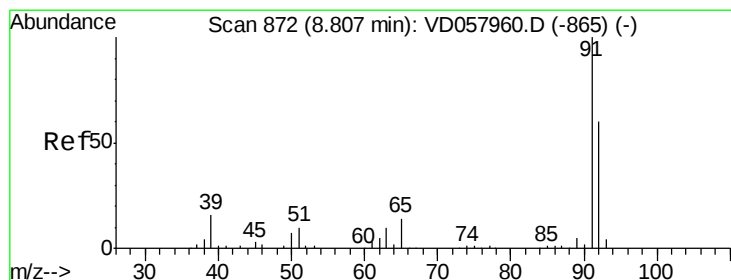
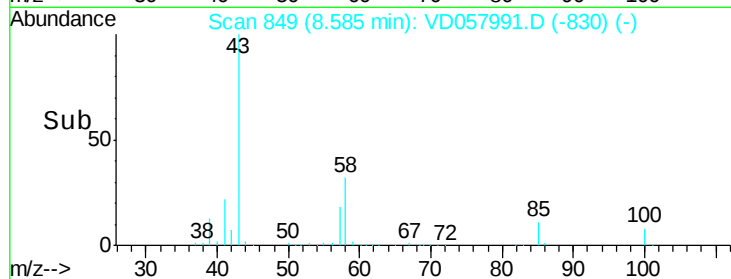
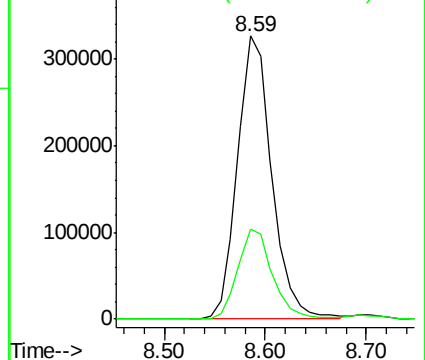
43 100

58 31.8 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.782 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD057991.D

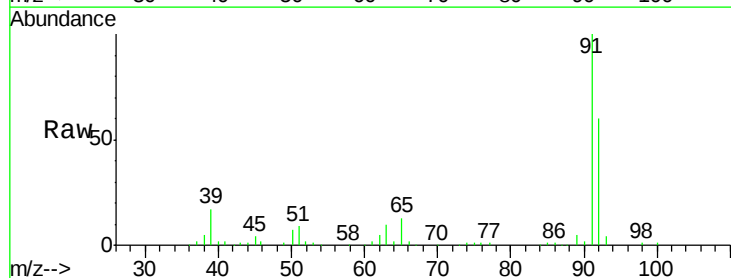
Acq: 8 Jun 2018 2:12

Tgt Ion: 92 Resp: 417594

Ion Ratio Lower Upper

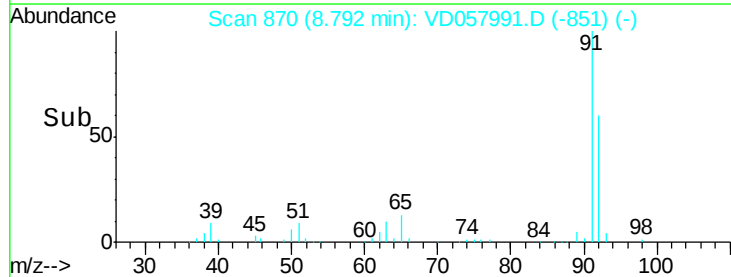
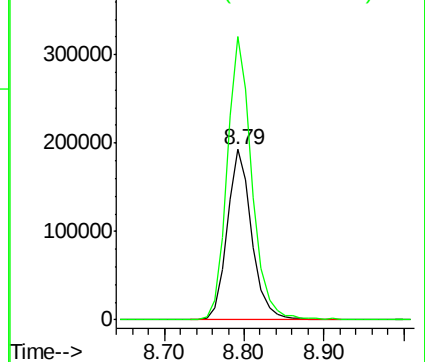
92 100

91 166.0 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

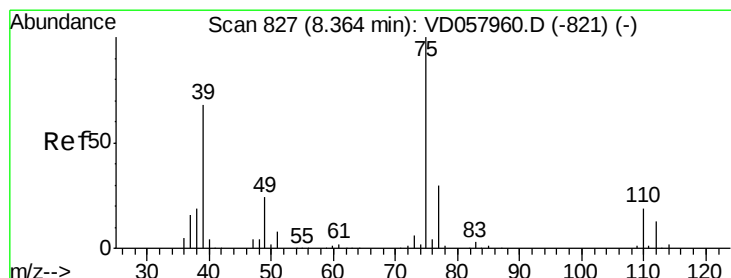
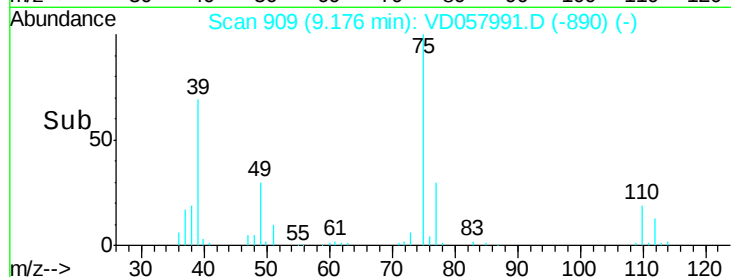
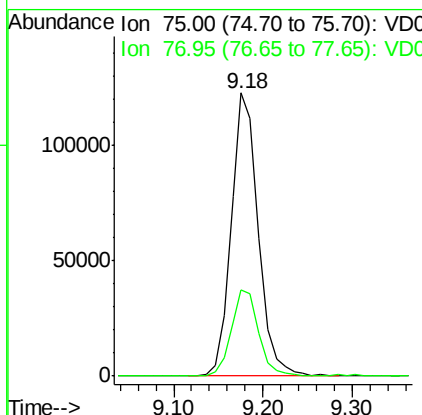
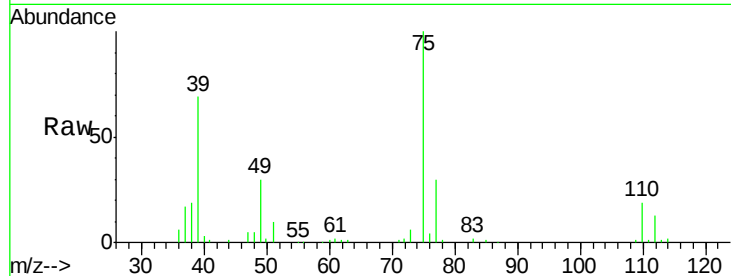




#53
t-1,3-Dichloropropene
Concen: 21.491 ug/l
RT: 9.18 min Scan# 909
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

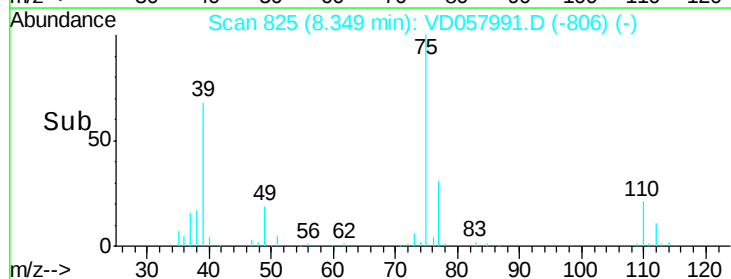
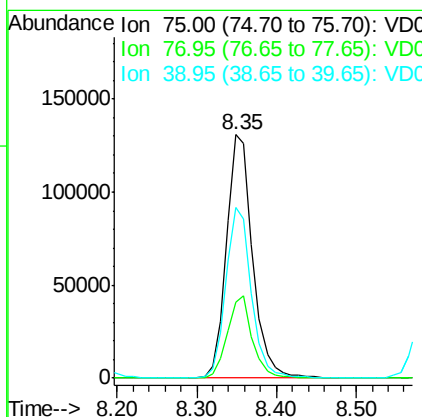
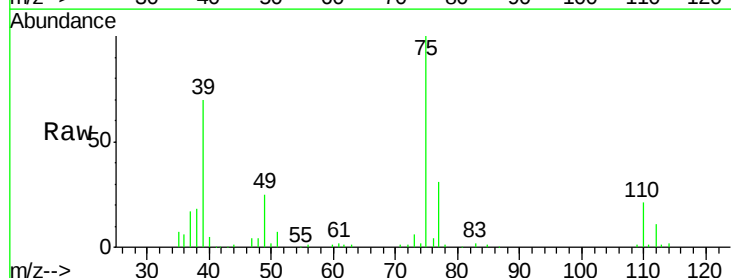
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

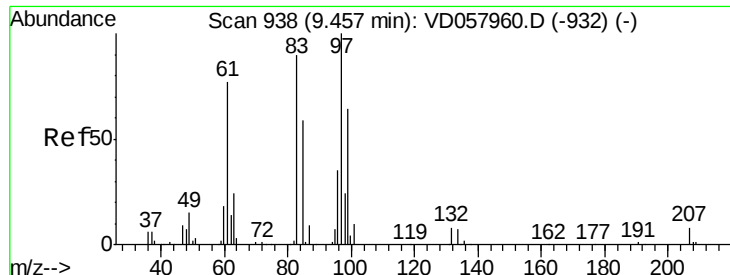
Tot Ion: 75 Resp: 258566
Ion Ratio Lower Upper
75 100
77 30.3 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 21.201 ug/l
RT: 8.35 min Scan# 825
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 75 Resp: 300506
Ion Ratio Lower Upper
75 100
77 31.4 24.1 36.1
39 70.2 54.0 81.0

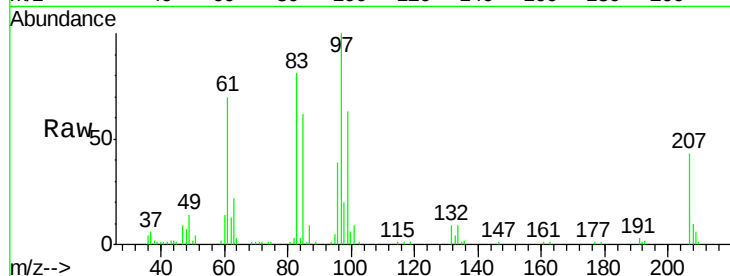




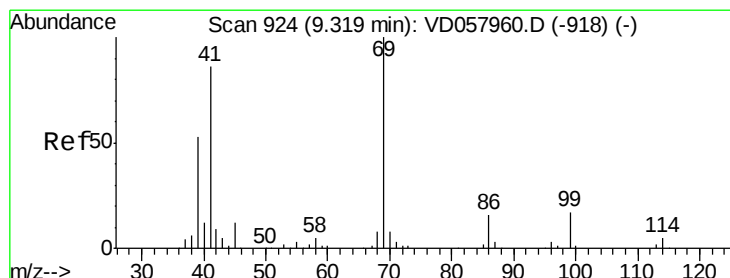
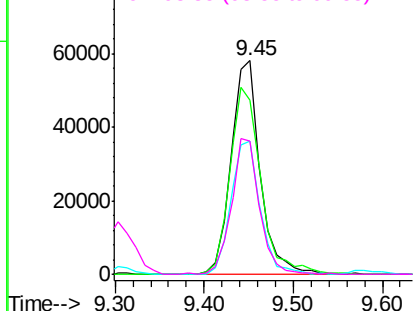
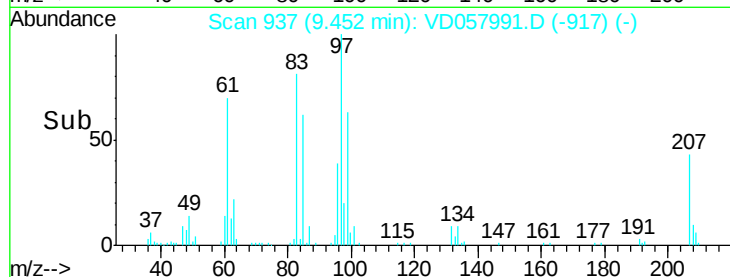
#55
 1,1,2-Trichloroethane
 Concen: 21.332 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Tot Ion: 97 Resp: 132358
 Ion Ratio Lower Upper
 97 100
 83 81.3 71.8 107.8
 85 62.1 47.2 70.8
 99 62.6 51.4 77.0

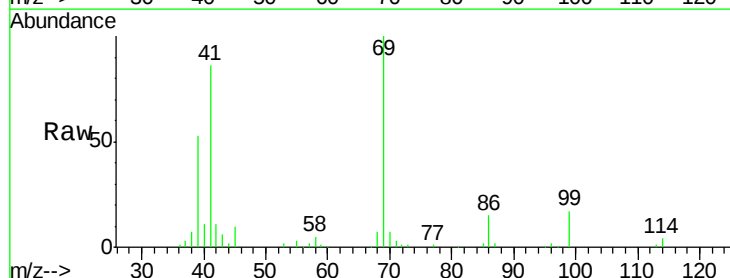


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

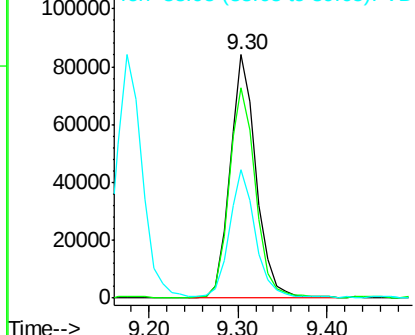
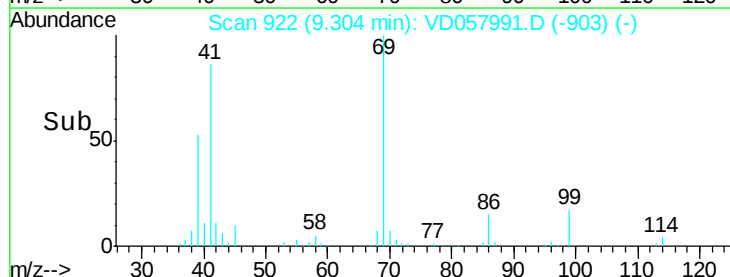


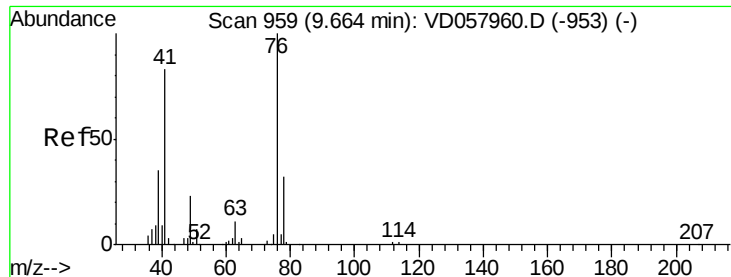
#56
 Ethyl methacrylate
 Concen: 22.748 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion: 69 Resp: 173138
 Ion Ratio Lower Upper
 69 100
 41 86.2 68.4 102.6
 39 52.6 43.0 64.4



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





#57

1,3-Dichloropropane

Concen: 21.905 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

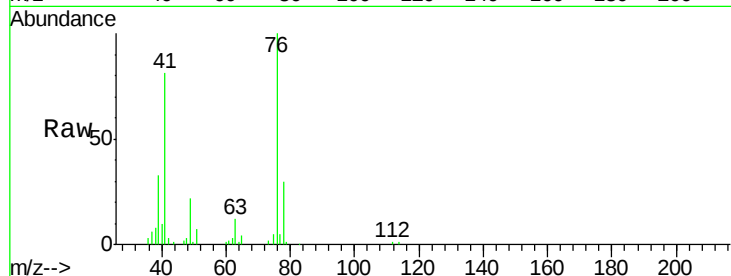
VD0607SBS02

Tot Ion: 76 Resp: 238377

Ion Ratio Lower Upper

76 100

78 29.7 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.66

120000

100000

80000

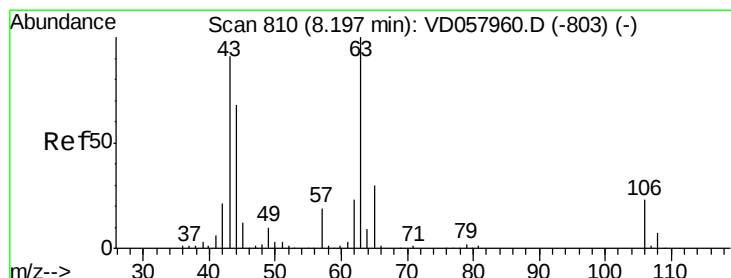
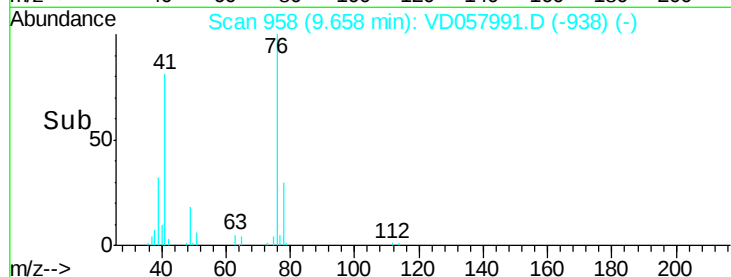
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 112.921 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD057991.D

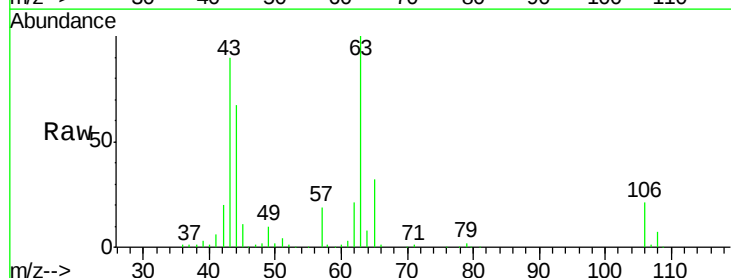
Acq: 8 Jun 2018 2:12

Tgt Ion: 63 Resp: 434214

Ion Ratio Lower Upper

63 100

106 21.2 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.18

200000

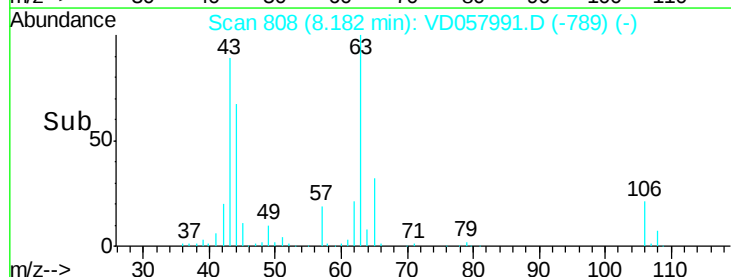
150000

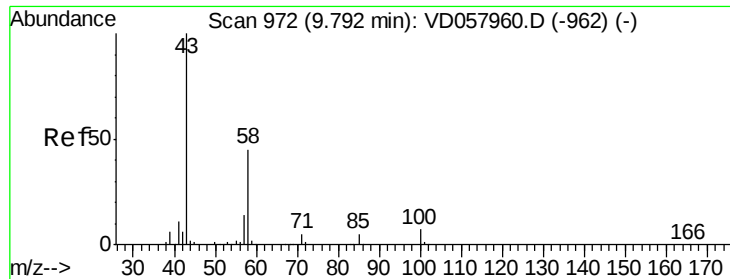
100000

50000

0

Time-->

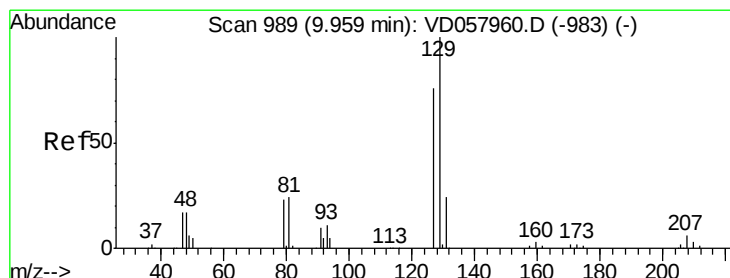
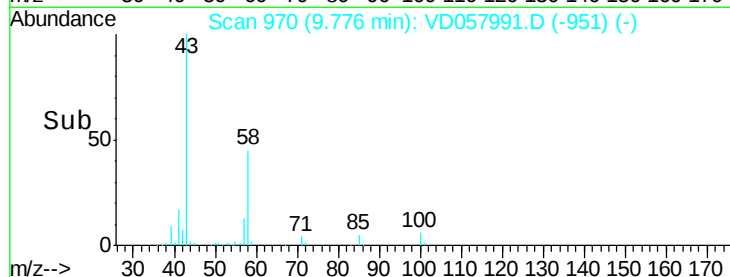
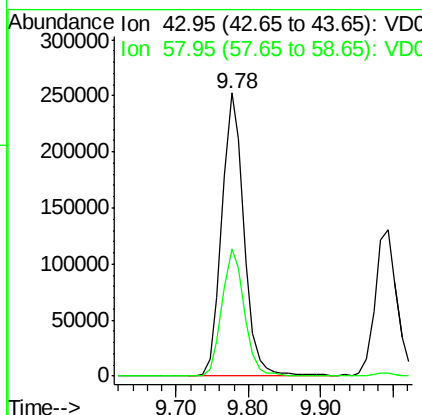
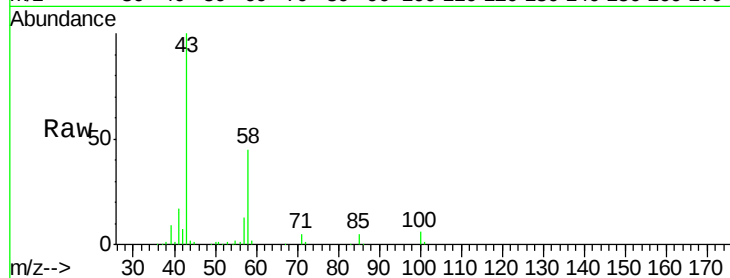




#59
2-Hexanone
Concen: 111.780 ug/l
RT: 9.78 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

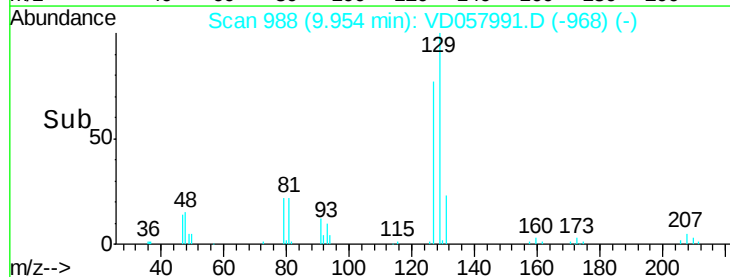
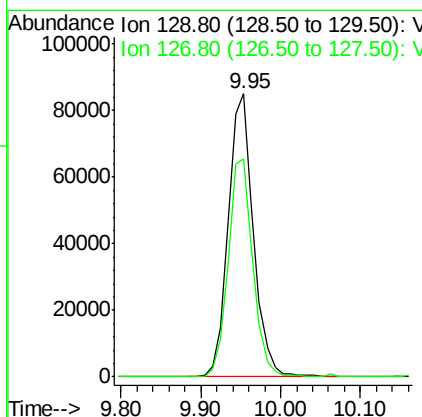
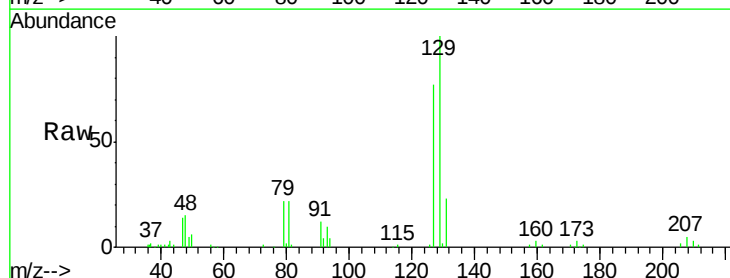
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

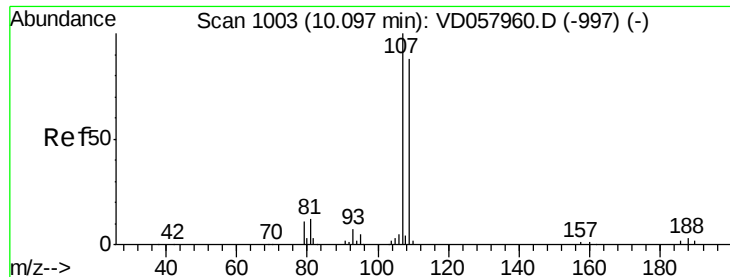
Tot Ion: 43 Resp: 536988
Ion Ratio Lower Upper
43 100
58 45.0 22.5 67.5



#60
Dibromochloromethane
Concen: 21.489 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 129 Resp: 188022
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.163 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

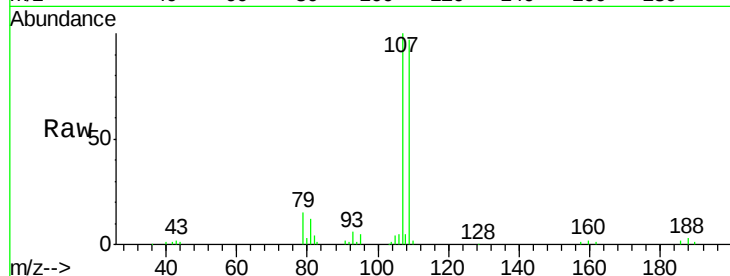
VD0607SBSD02

Tot Ion:107 Resp: 151008

Ion Ratio Lower Upper

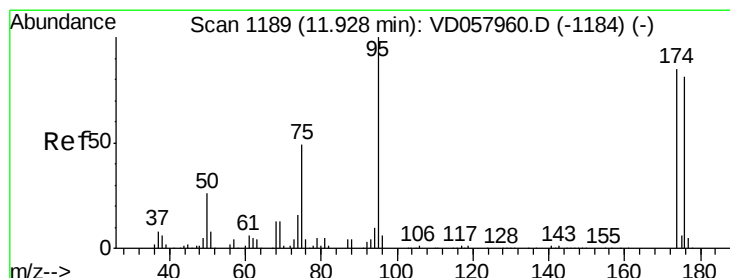
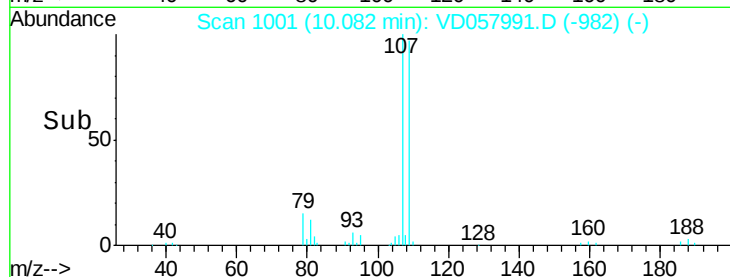
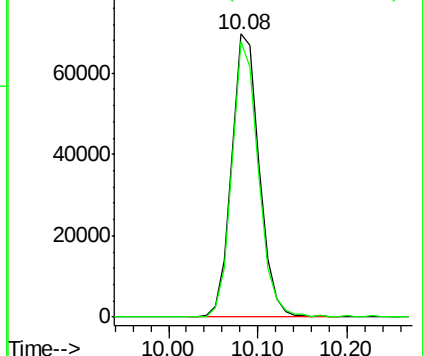
107 100

109 97.4 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.163 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

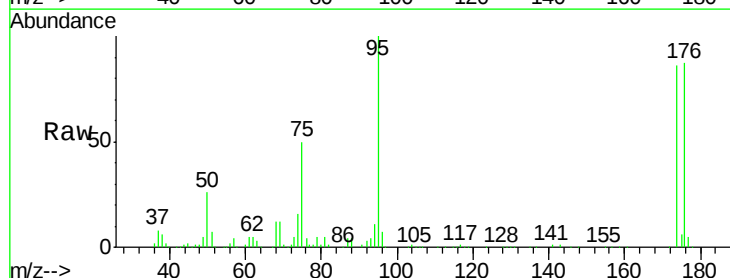
Tgt Ion: 95 Resp: 493098

Ion Ratio Lower Upper

95 100

174 86.5 0.0 169.4

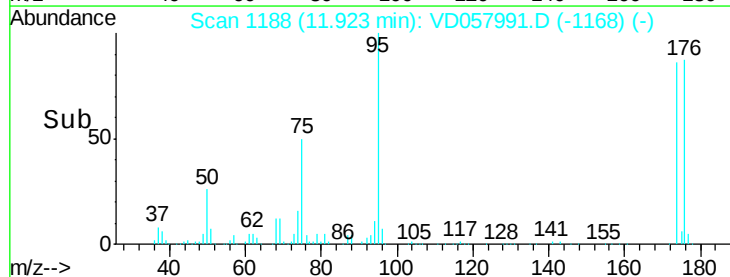
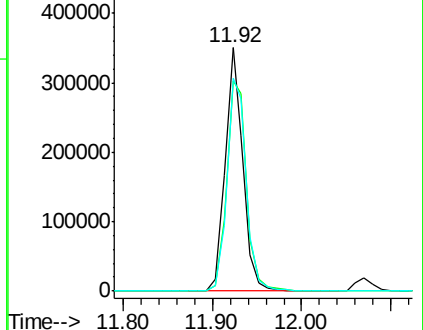
176 87.3 0.0 162.6

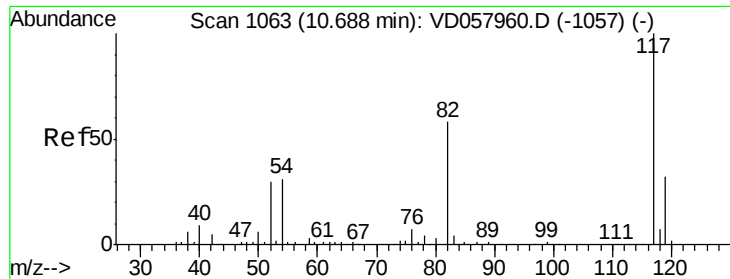


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

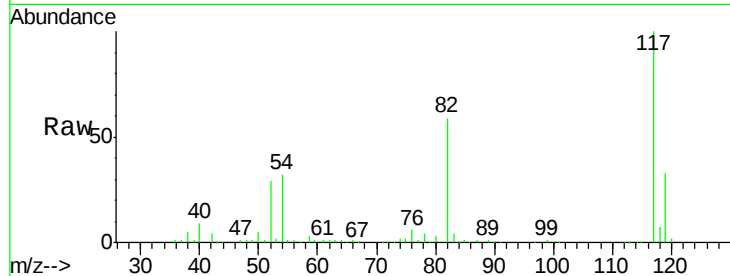




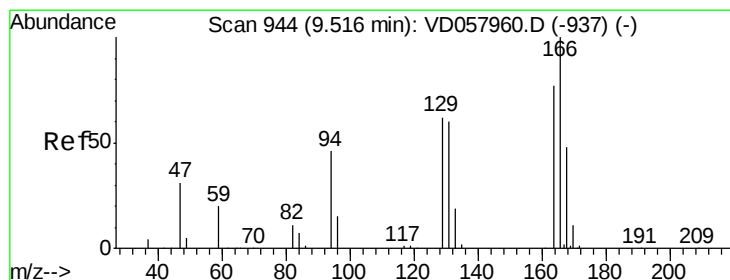
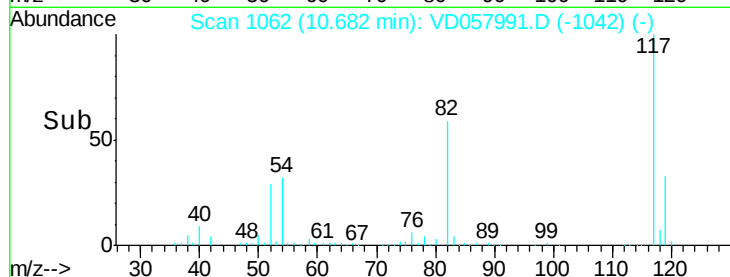
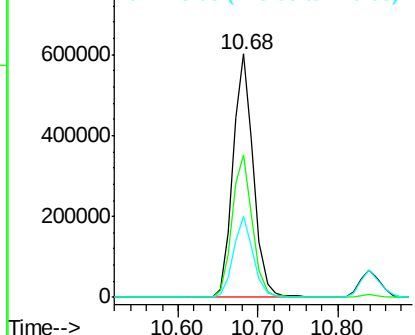
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tot Ion:117 Resp: 1073603
Ion Ratio Lower Upper
117 100
82 58.7 46.8 70.2
119 33.2 25.8 38.6

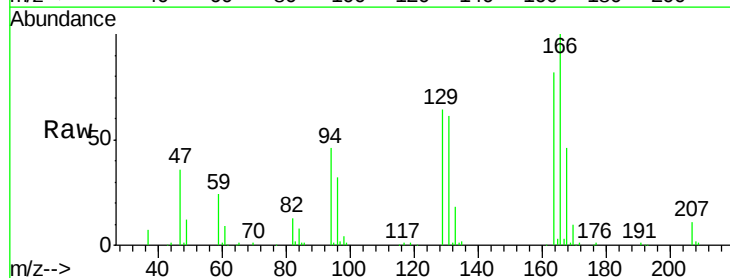


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

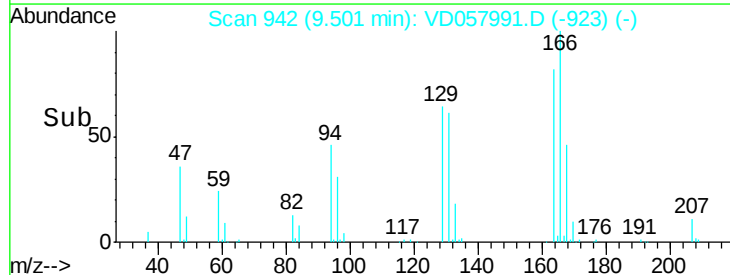
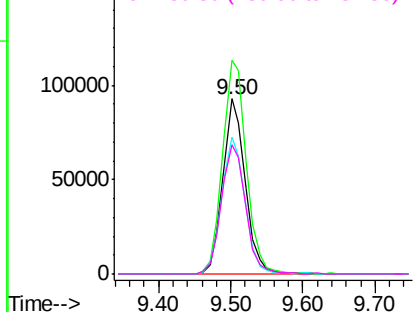


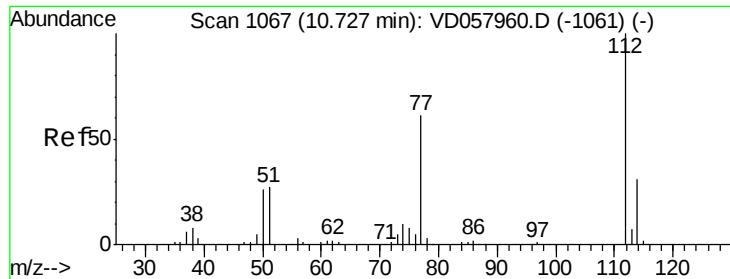
#64
Tetrachloroethene
Concen: 20.675 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion:164 Resp: 198442
Ion Ratio Lower Upper
164 100
166 122.2 104.4 156.6
129 78.7 65.0 97.6
131 74.0 62.9 94.3



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





#65

Chlorobenzene

Concen: 20.324 ug/l

RT: 10.71 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

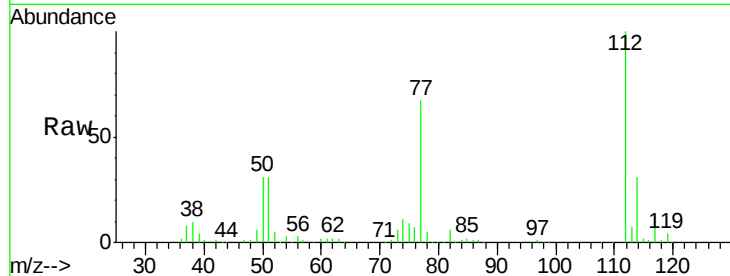
VD0607SBS02

Tot Ion:112 Resp: 441721

Ion Ratio Lower Upper

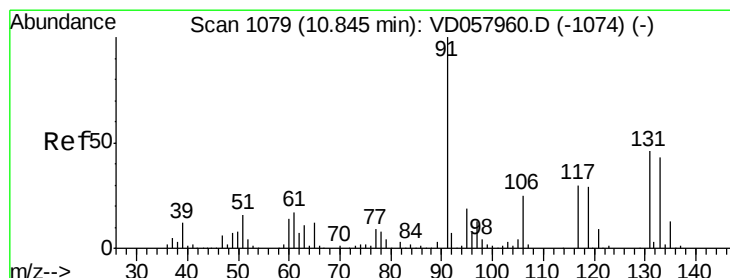
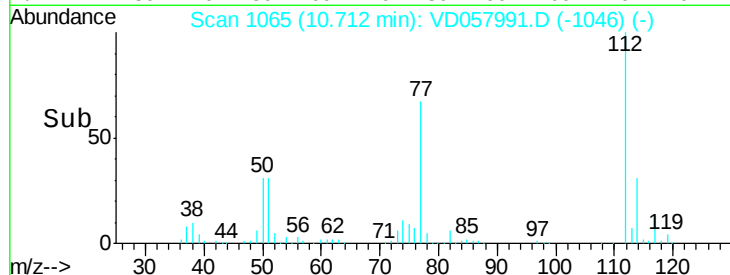
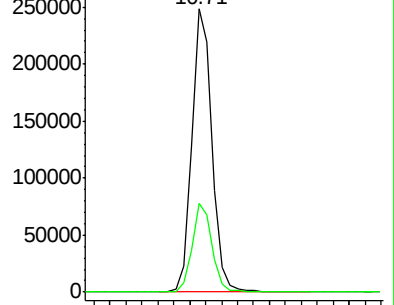
112 100

114 31.3 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.319 ug/l

RT: 10.84 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

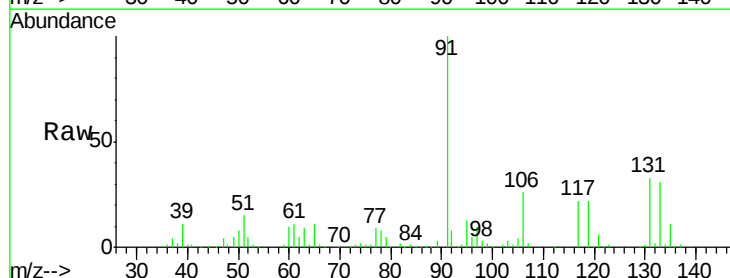
Tgt Ion:131 Resp: 178018

Ion Ratio Lower Upper

131 100

133 93.0 46.9 140.6

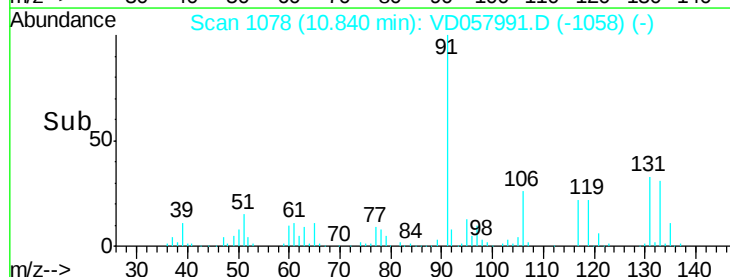
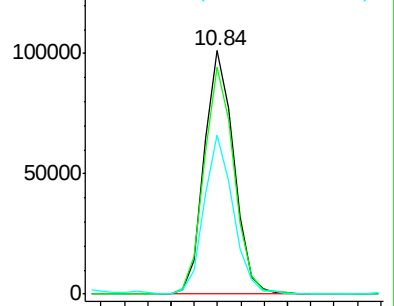
119 65.3 31.8 95.3

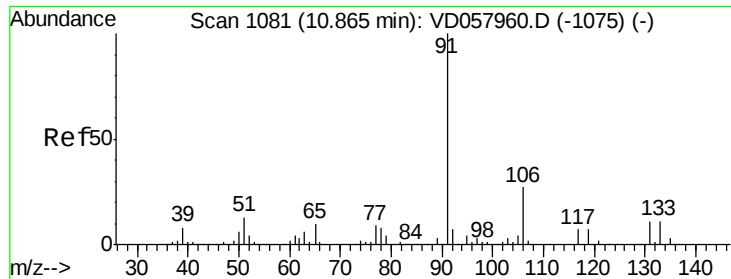


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 21.011 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

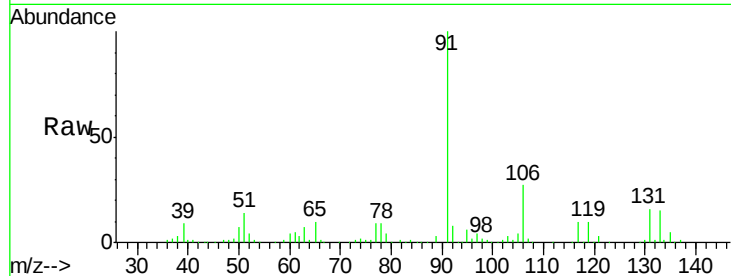
VD0607SBS02

Tot Ion: 91 Resp: 825029

Ion Ratio Lower Upper

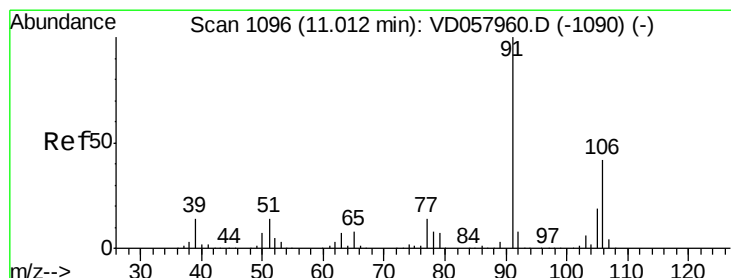
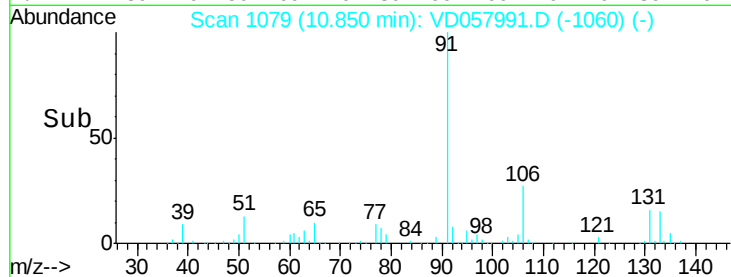
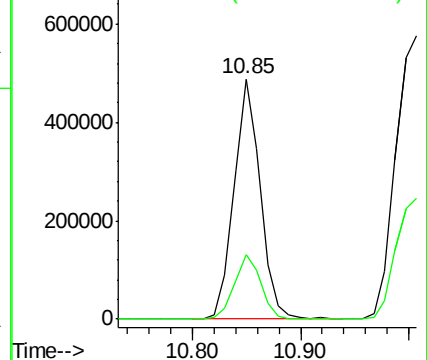
91 100

106 26.8 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 42.844 ug/l

RT: 11.01 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VD057991.D

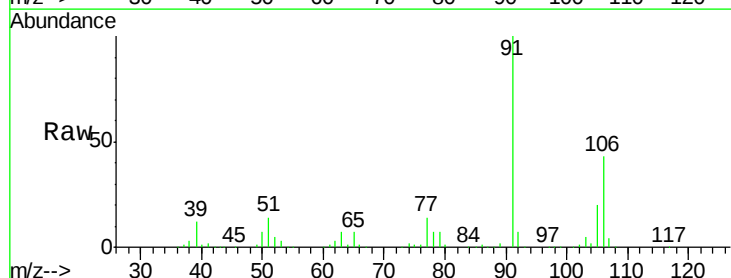
Acq: 8 Jun 2018 2:12

Tgt Ion:106 Resp: 548427

Ion Ratio Lower Upper

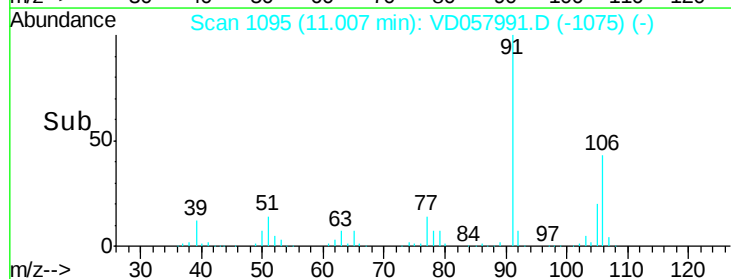
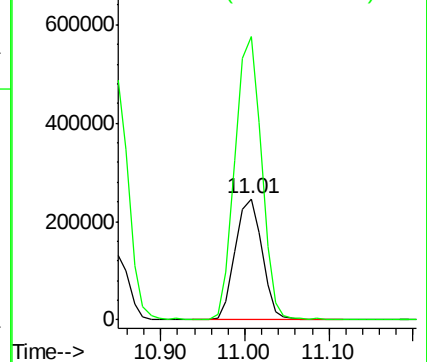
106 100

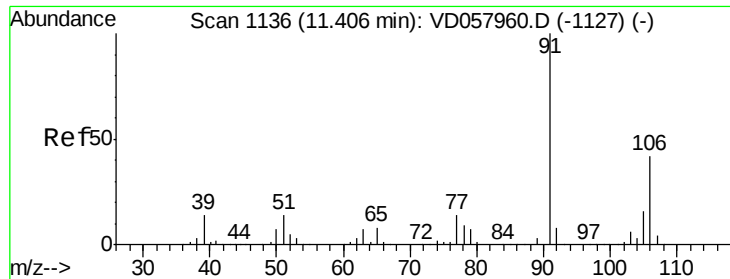
91 233.6 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

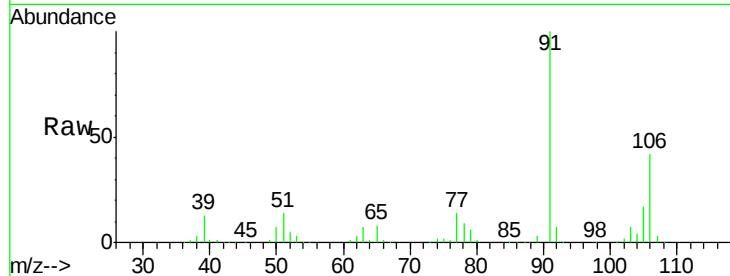




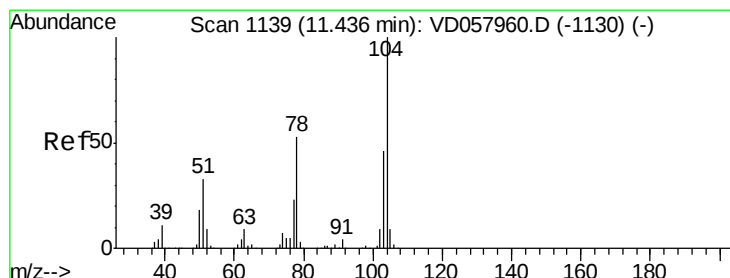
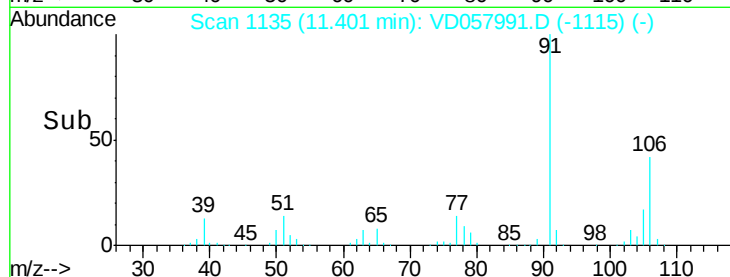
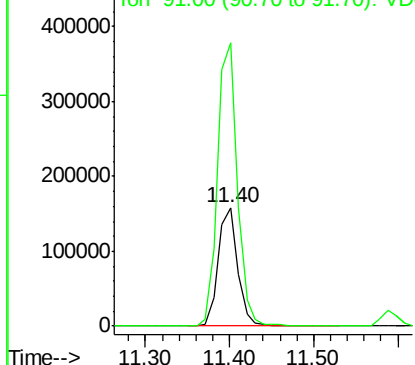
#69
o-Xylene
Concen: 20.037 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

Tot Ion:106 Resp: 254586
Ion Ratio Lower Upper
106 100
91 238.4 120.6 361.7

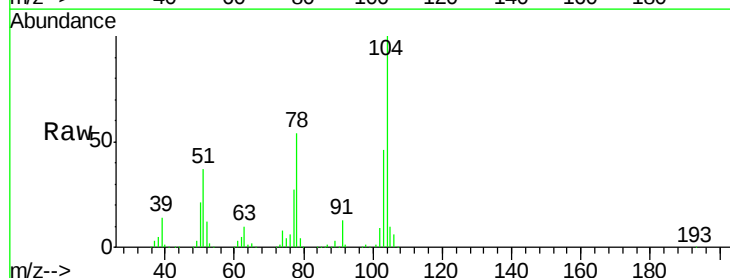


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

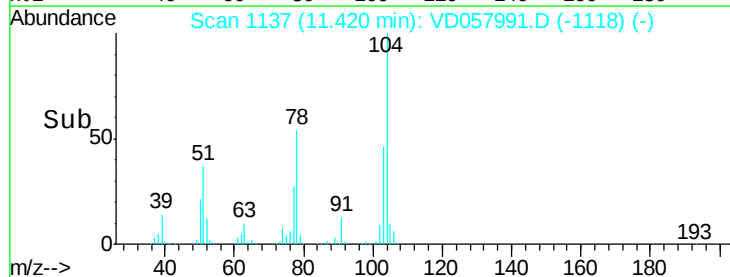
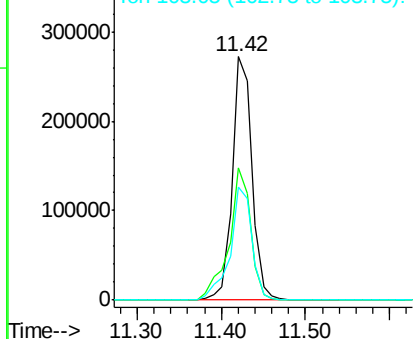


#70
Styrene
Concen: 20.949 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion:104 Resp: 440638
Ion Ratio Lower Upper
104 100
78 54.2 42.1 63.1
103 46.2 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

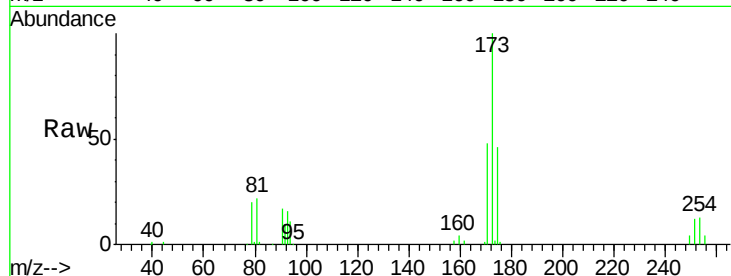




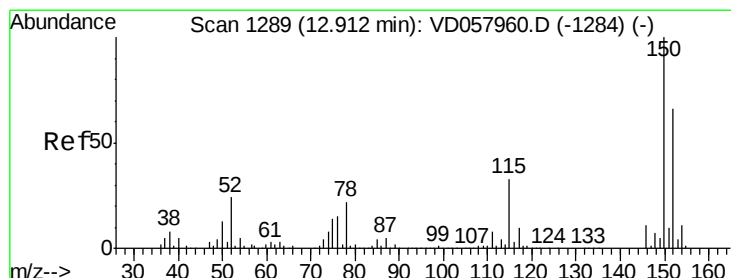
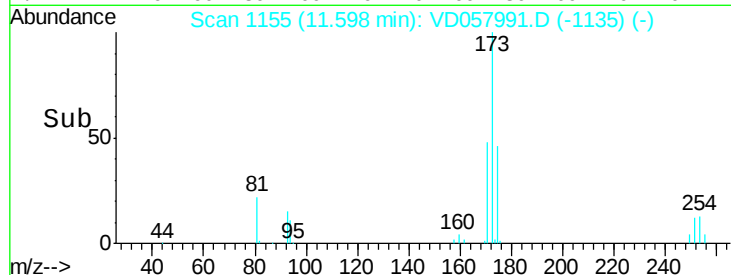
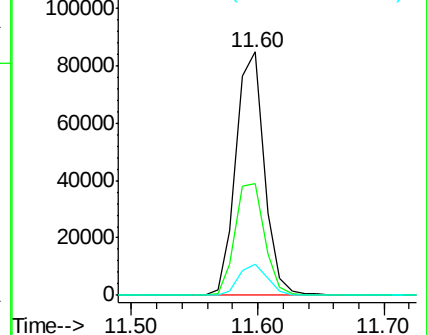
#71
Bromoform
Concen: 20.901 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tot Ion:173 Resp: 131293
Ion Ratio Lower Upper
173 100
175 45.9 25.1 75.2
254 12.6 10.7 16.1

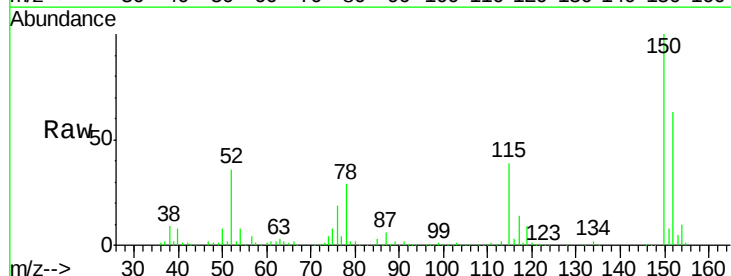


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

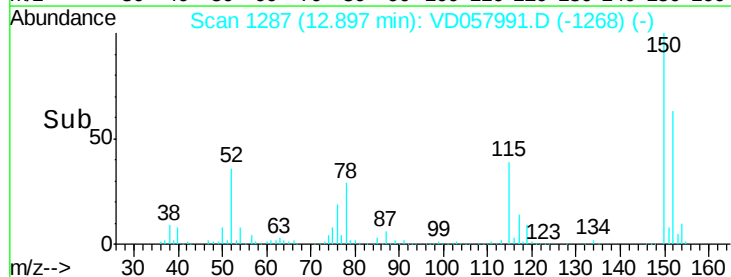
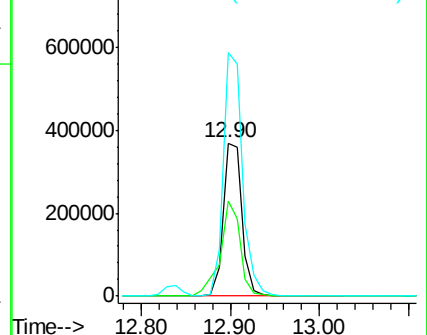


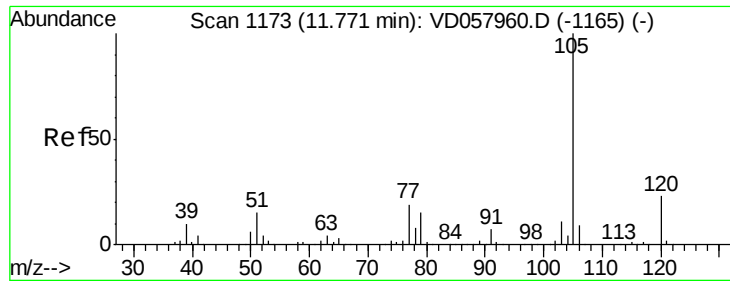
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion:152 Resp: 545656
Ion Ratio Lower Upper
152 100
115 62.4 25.6 76.6
150 159.2 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.688 ug/l

RT: 11.77 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

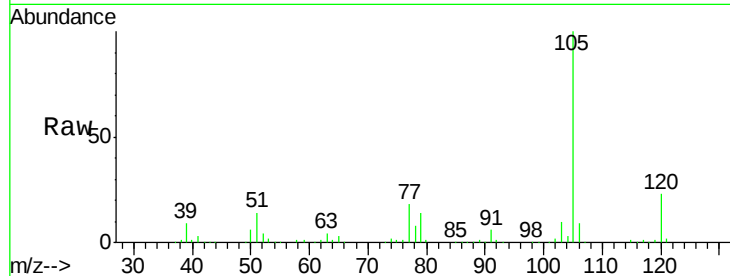
VD0607SBS02

Tot Ion:105 Resp: 747707

Ion Ratio Lower Upper

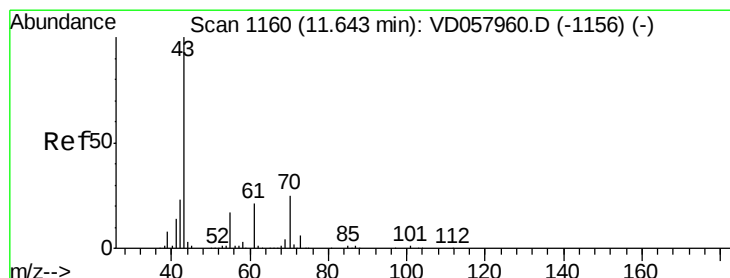
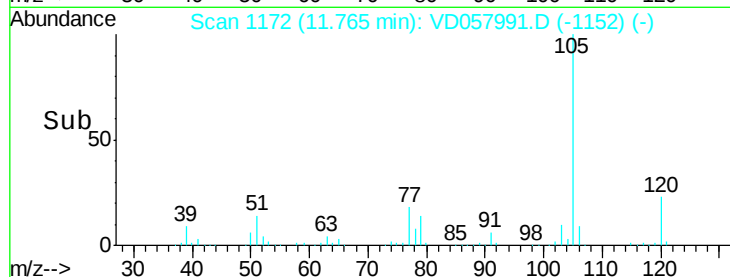
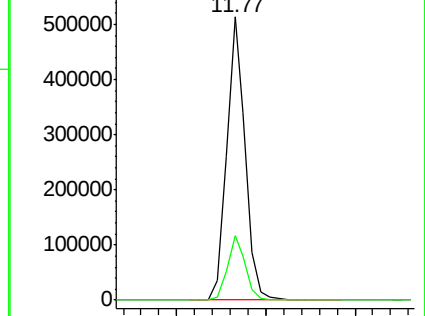
105 100

120 22.7 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.504 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Tgt Ion: 43 Resp: 299894

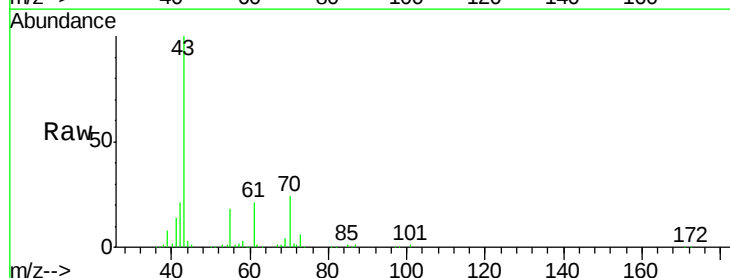
Ion Ratio Lower Upper

43 100

70 24.1 20.3 30.5

55 18.4 13.9 20.9

61 20.5 16.6 24.8

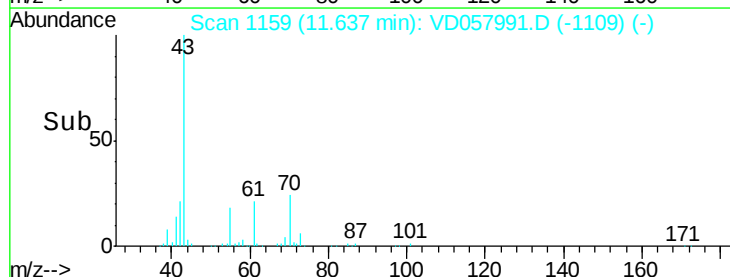
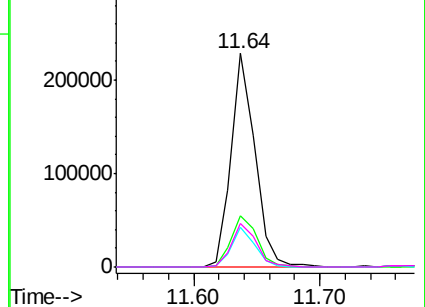


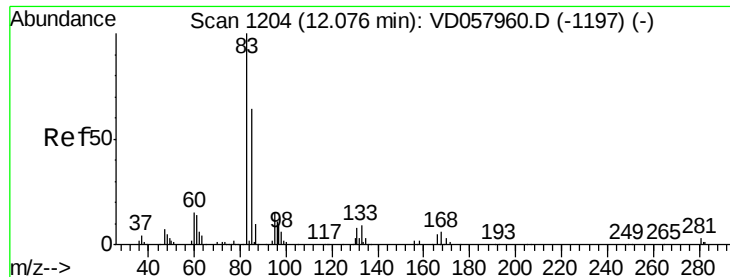
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.721 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

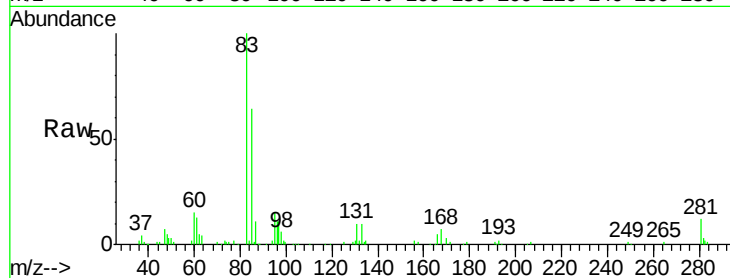
Tot Ion: 83 Resp: 171159

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.2	12.6
85	63.8	31.9	95.5

83 100

131 10.0 4.2 12.6

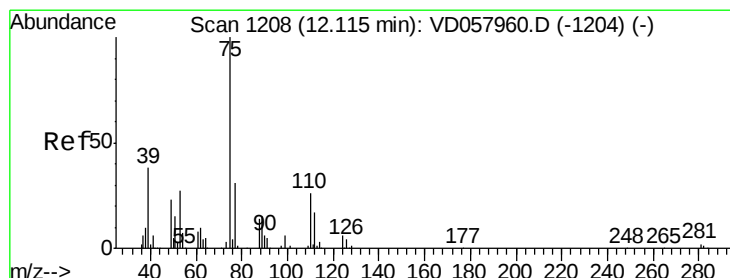
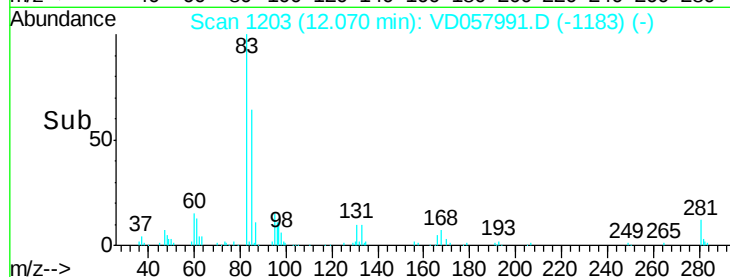
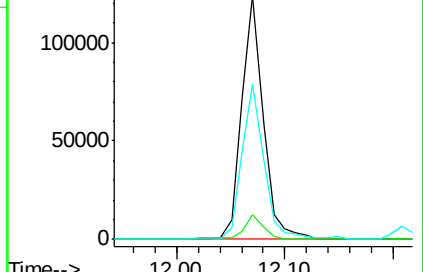
85 63.8 31.9 95.5



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: 22.512 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD057991.D

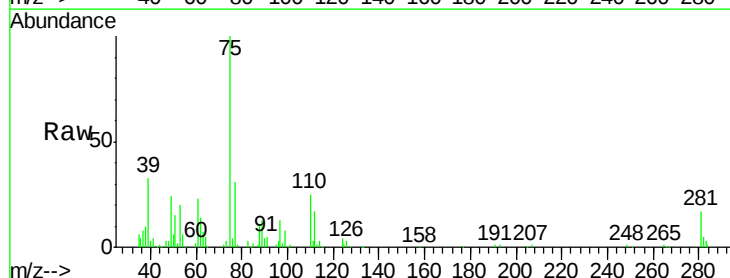
Acq: 8 Jun 2018 2:12

Tgt Ion: 75 Resp: 184518

Ion	Ratio	Lower	Upper
75	100		
77	31.3	16.7	50.1

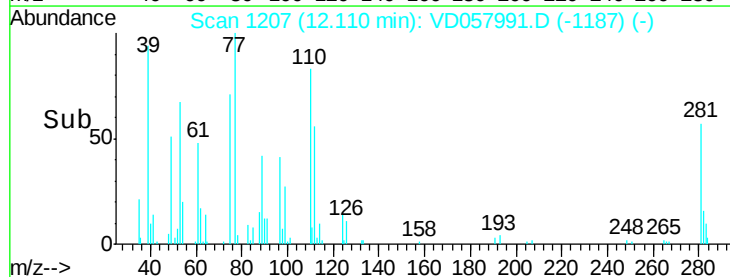
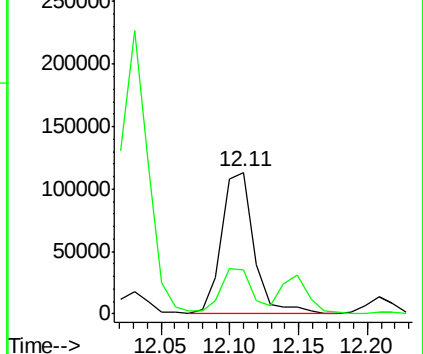
75 100

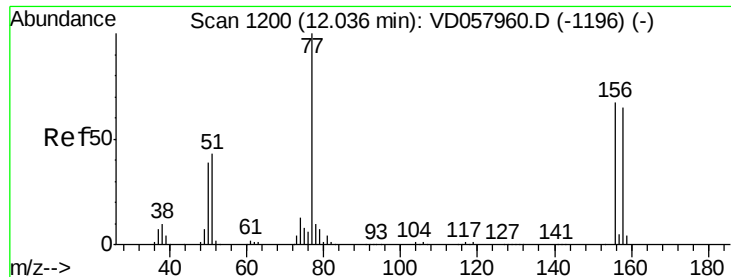
77 31.3 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.442 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD02

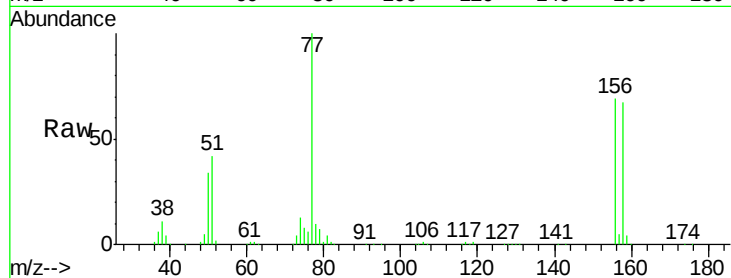
Tot Ion:156 Resp: 218687

Ion Ratio Lower Upper

156 100

77 144.0 75.0 224.8

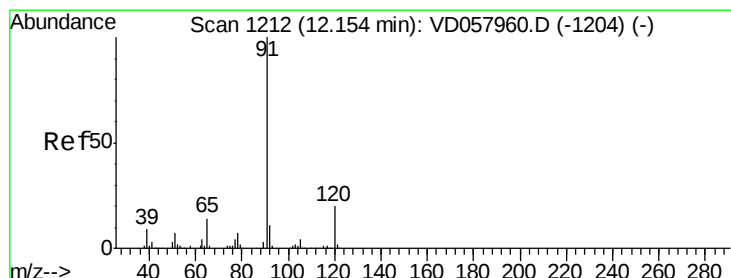
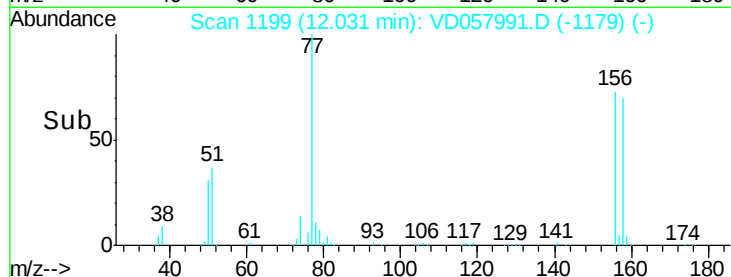
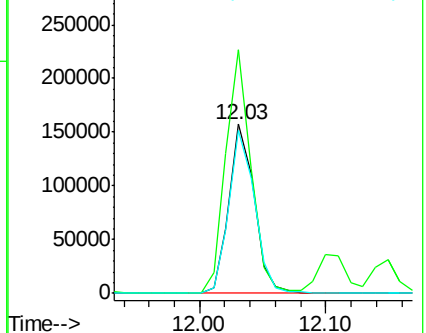
158 96.7 48.6 145.9



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: 20.848 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD057991.D

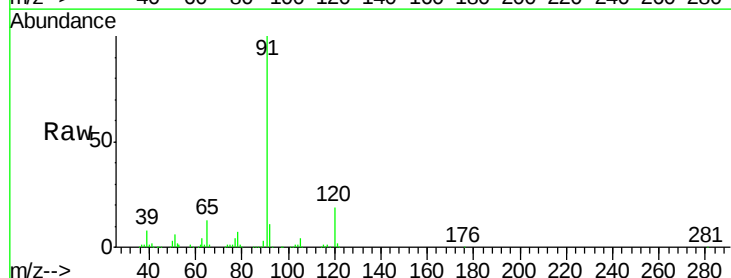
Acq: 8 Jun 2018 2:12

Tgt Ion: 91 Resp: 980453

Ion Ratio Lower Upper

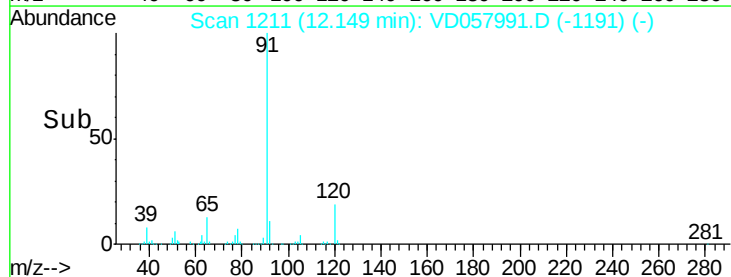
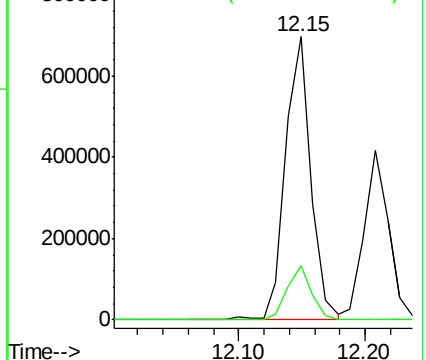
91 100

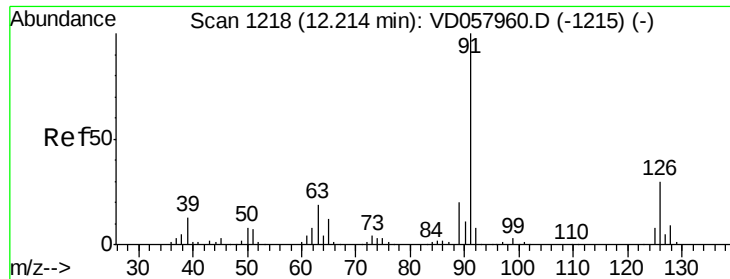
120 19.3 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

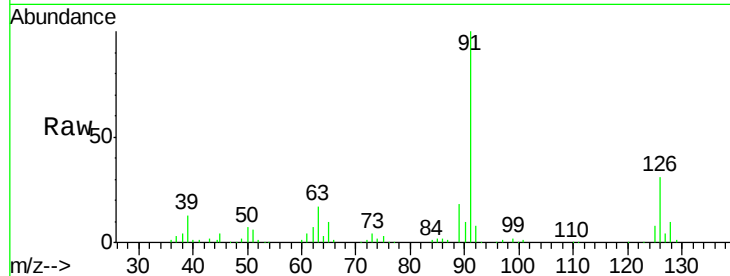




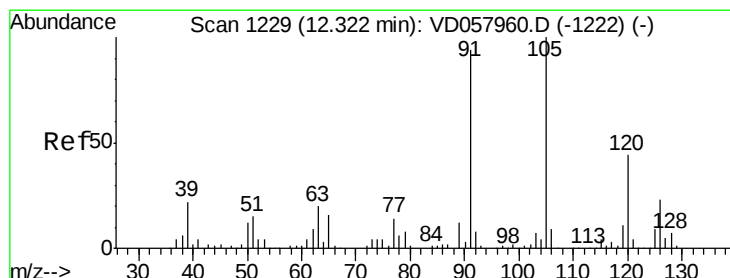
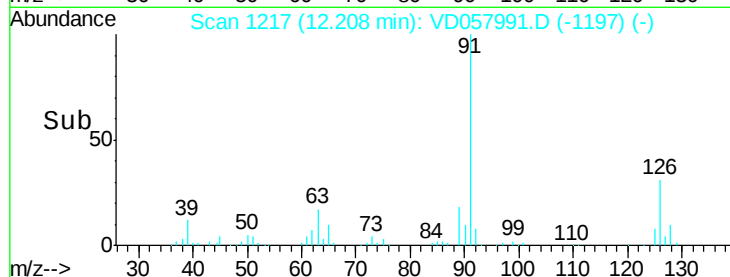
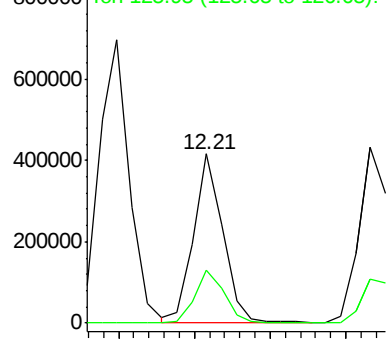
#79
 2-Chlorotoluene
 Concen: 20.850 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Tot Ion: 91 Resp: 559403
 Ion Ratio Lower Upper
 91 100
 126 31.2 14.6 44.0

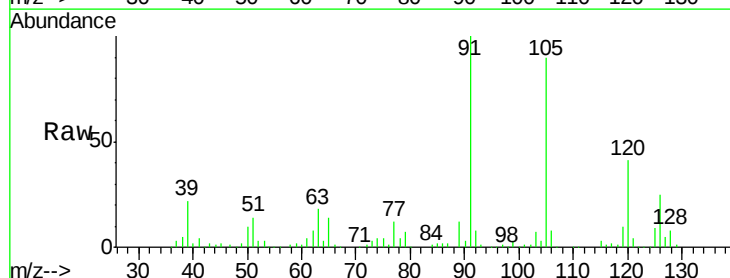


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

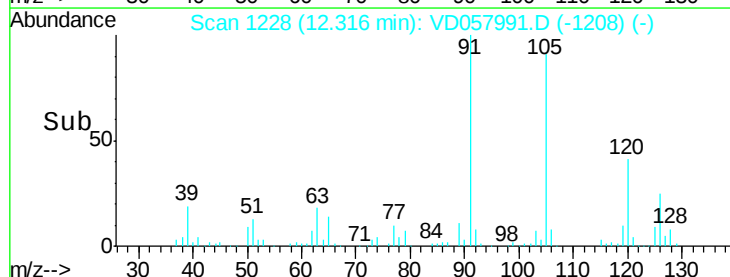
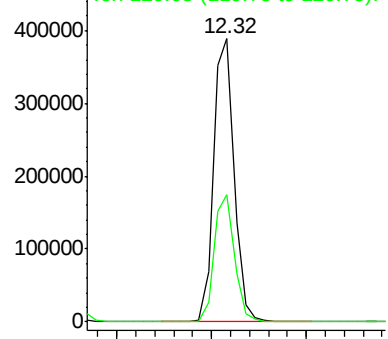


#80
 1,3,5-Trimethylbenzene
 Concen: 20.660 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion: 105 Resp: 582319
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.0 66.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.605 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

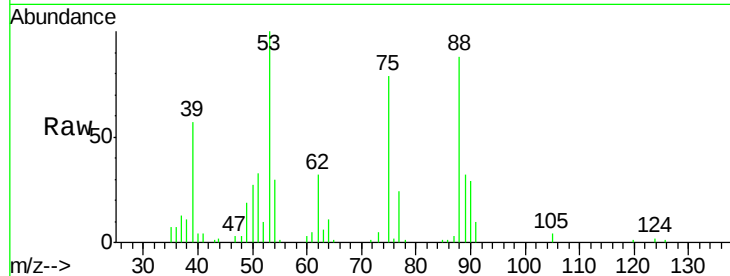
Tot Ion: 75 Resp: 43861

Ion Ratio Lower Upper

75 100

53 126.9 89.3 133.9

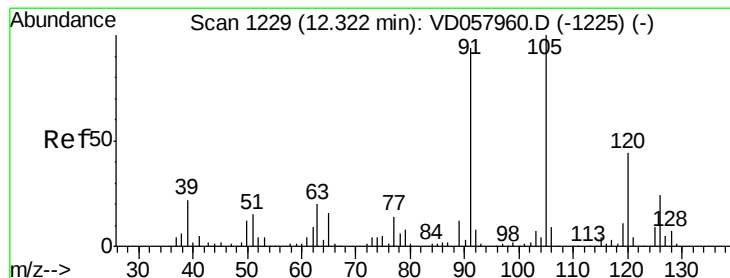
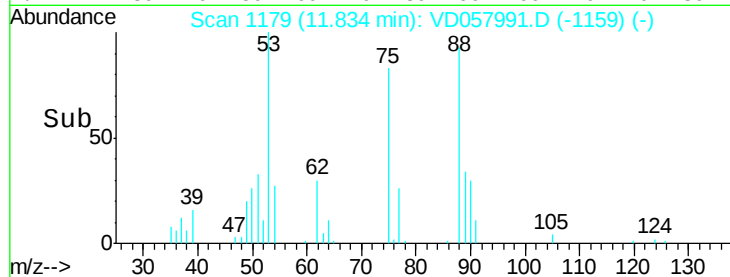
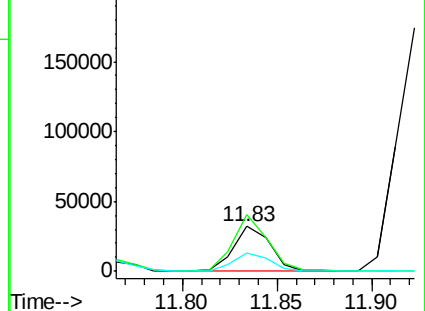
89 40.5 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.635 ug/l

RT: 12.32 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD057991.D

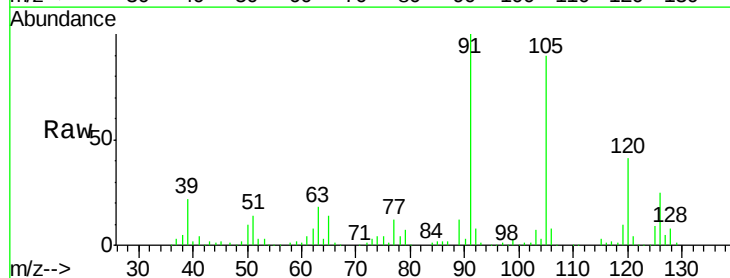
Acq: 8 Jun 2018 2:12

Tgt Ion: 91 Resp: 611607

Ion Ratio Lower Upper

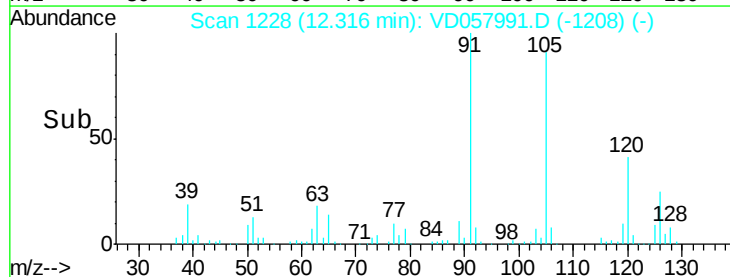
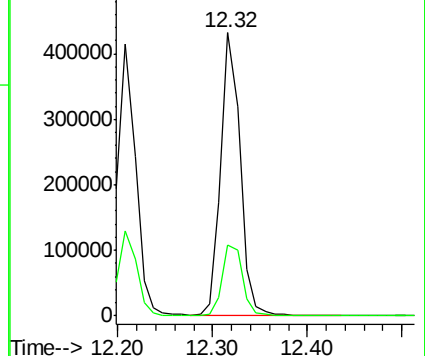
91 100

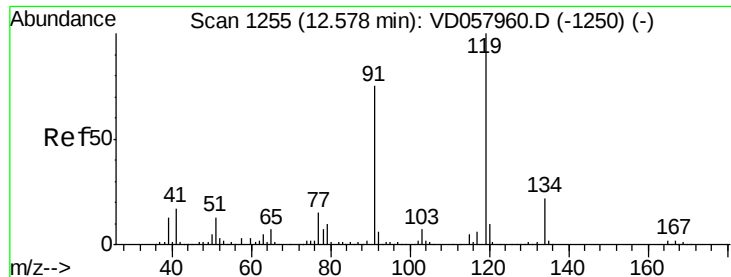
126 24.9 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

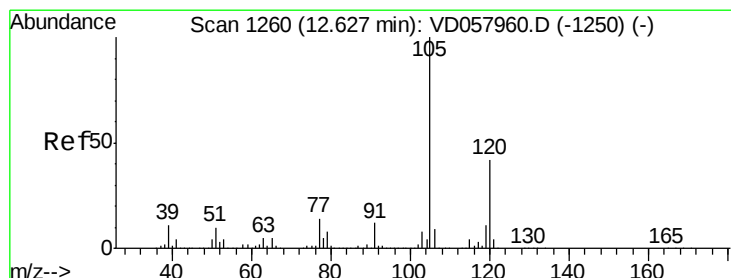
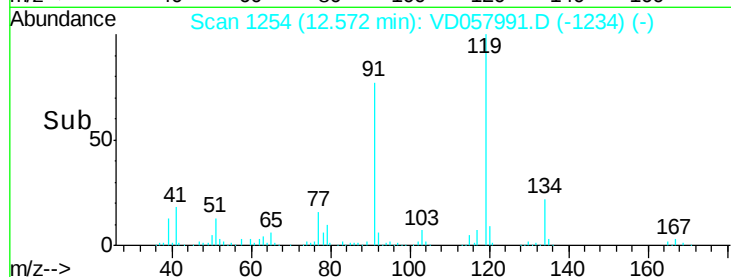
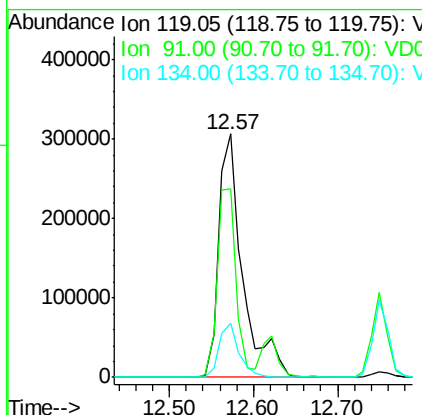
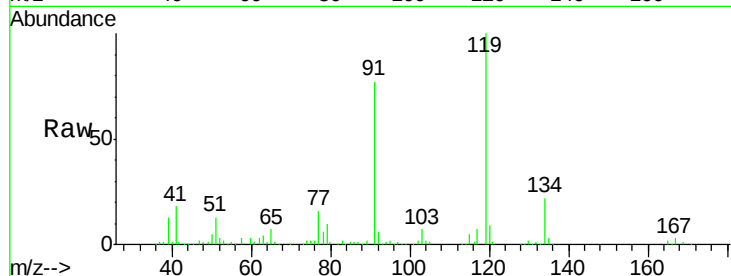




#83
 tert-Butylbenzene
 Concen: 19.034 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

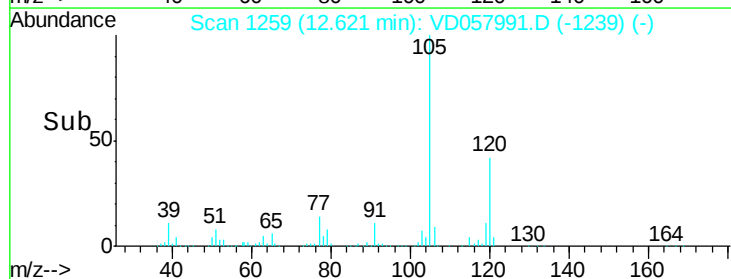
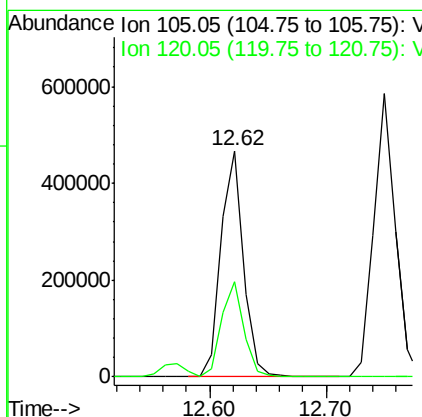
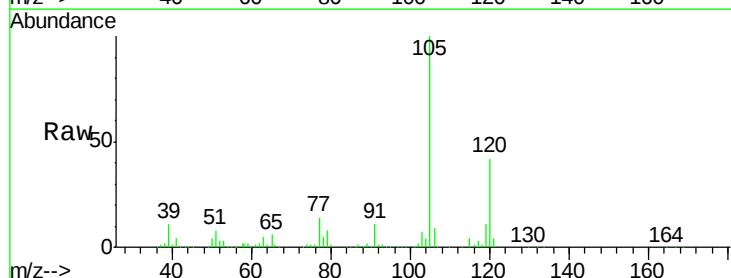
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

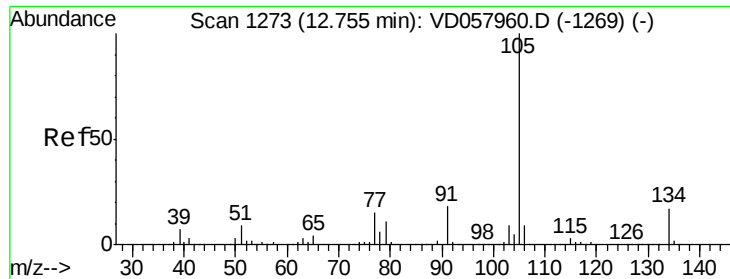
Tot Ion:119 Resp: 605777
 Ion Ratio Lower Upper
 119 100
 91 77.3 37.6 112.9
 134 22.1 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.514 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion:105 Resp: 621681
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.2 63.6

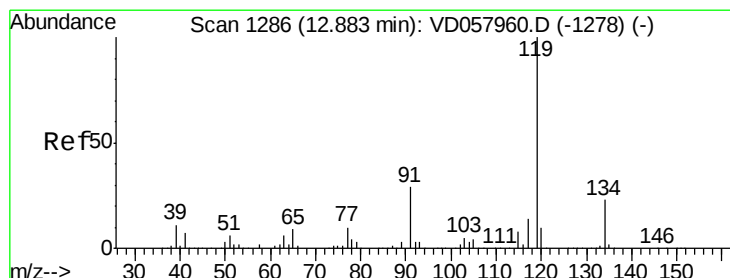
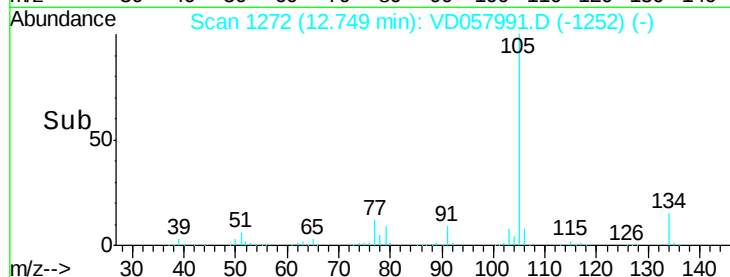
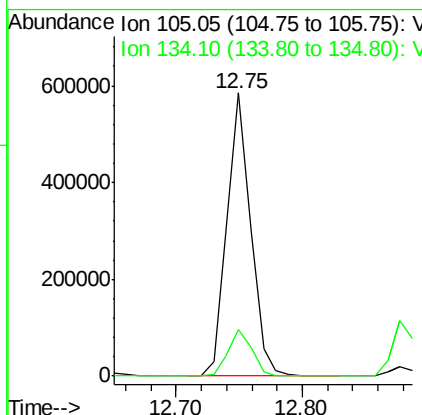
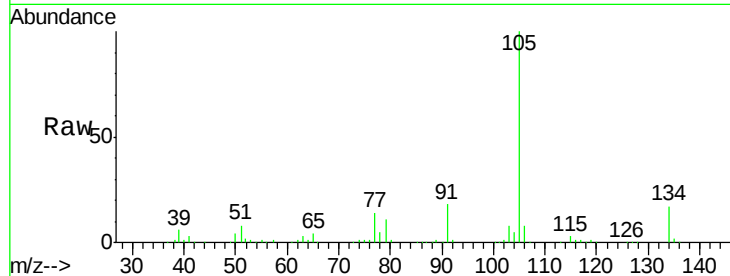




#85
 sec-Butylbenzene
 Concen: 19.703 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

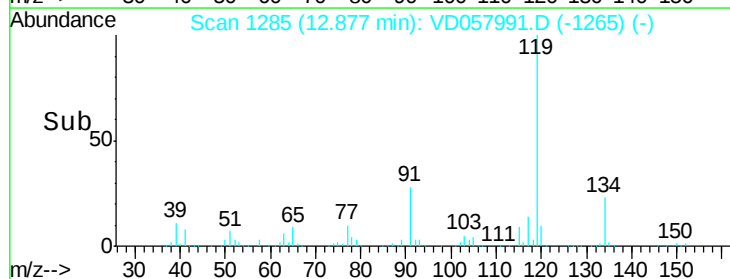
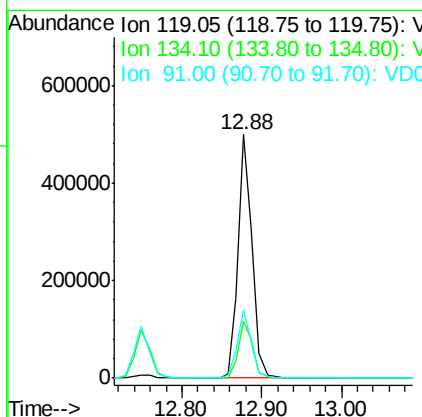
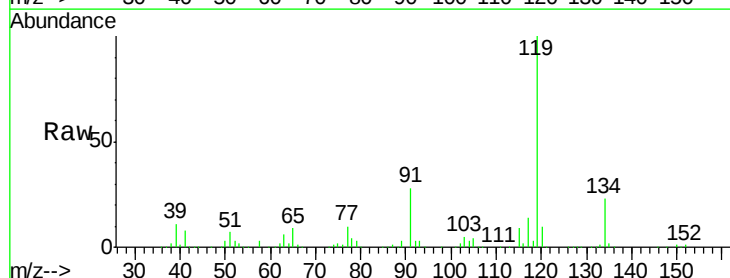
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD02

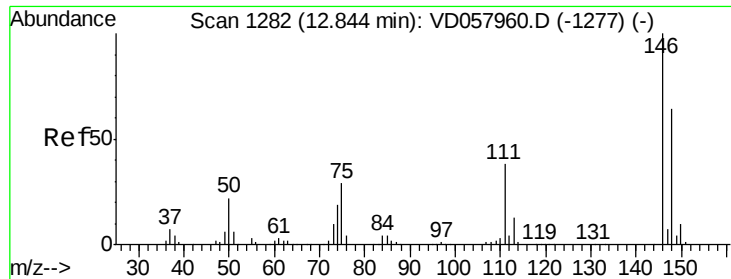
Tot Ion:105 Resp: 756780
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 19.925 ug/l
 RT: 12.88 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion:119 Resp: 616823
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.5 34.4
 91 28.2 14.5 43.6

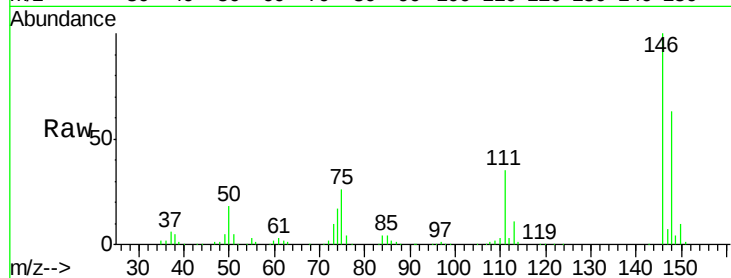




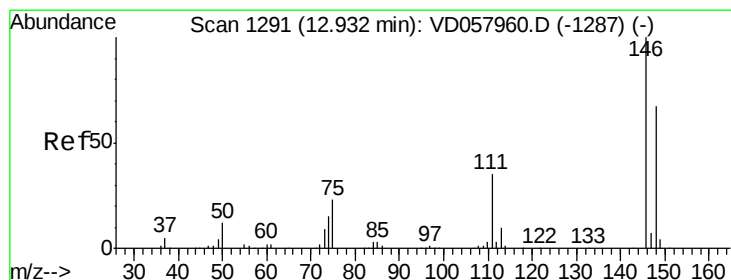
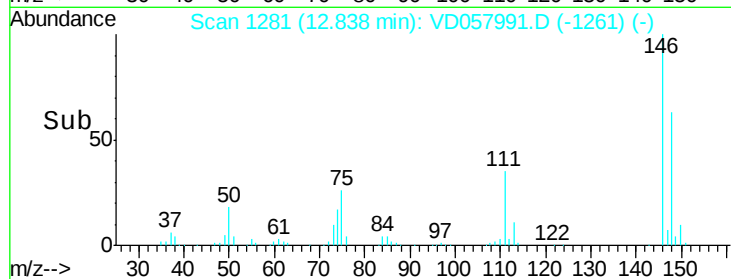
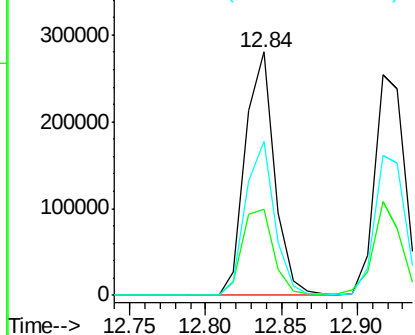
#87
 1,3-Dichlorobenzene
 Concen: 20.832 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Tot Ion:146 Resp: 376991
 Ion Ratio Lower Upper
 146 100
 111 35.3 19.1 57.3
 148 63.0 32.0 96.2

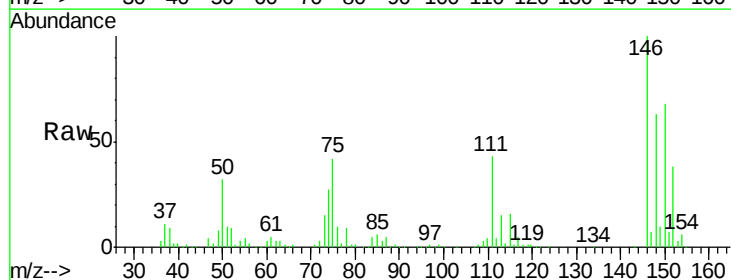


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

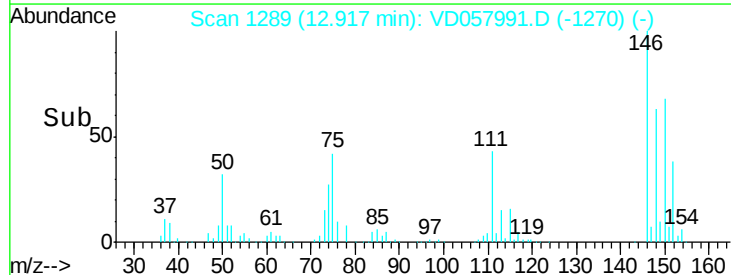
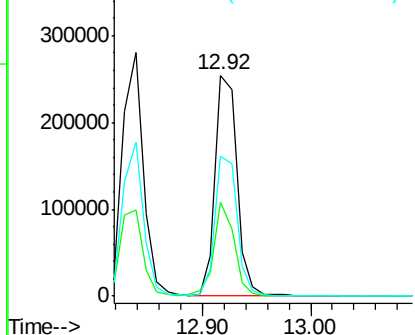


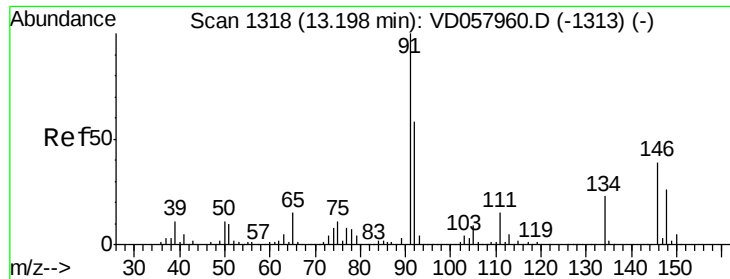
#88
 1,4-Dichlorobenzene
 Concen: 20.441 ug/l
 RT: 12.92 min Scan# 1289
 Delta R.T. -0.02 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion:146 Resp: 360421
 Ion Ratio Lower Upper
 146 100
 111 42.8 17.3 52.0
 148 63.4 33.4 100.2



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

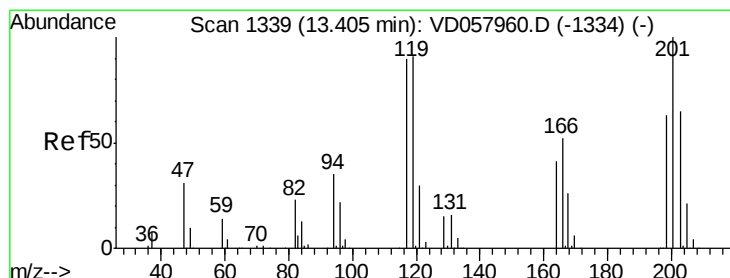
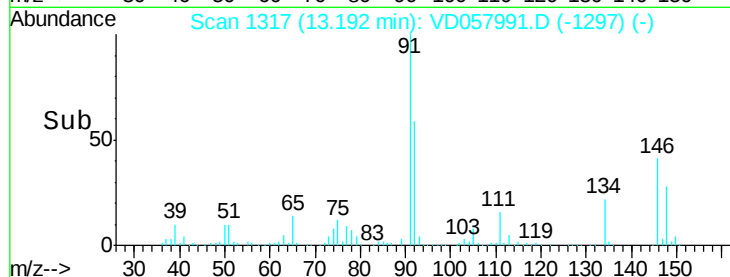
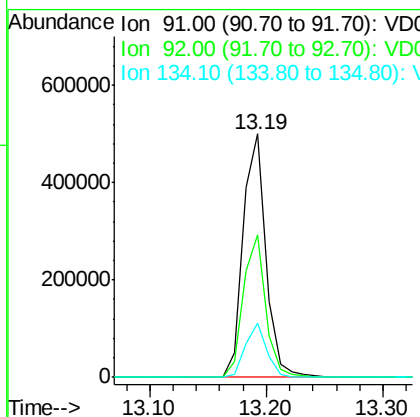
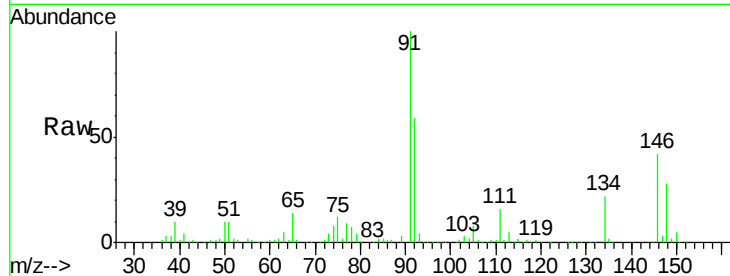




#89
n-Butylbenzene
Concen: 21.858 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

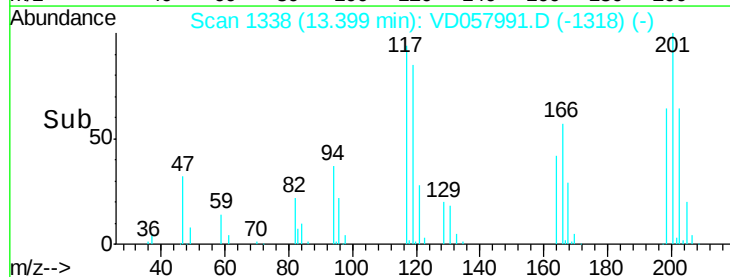
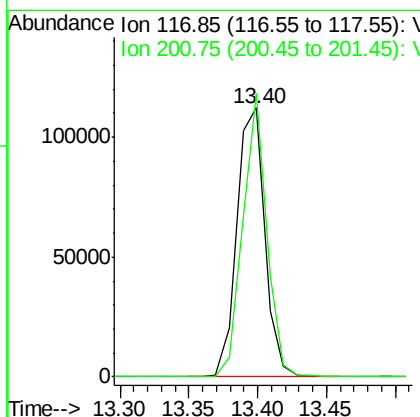
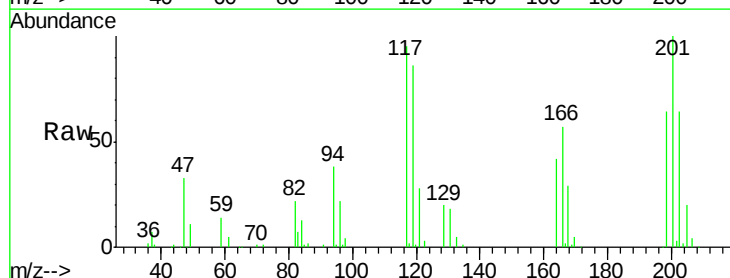
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

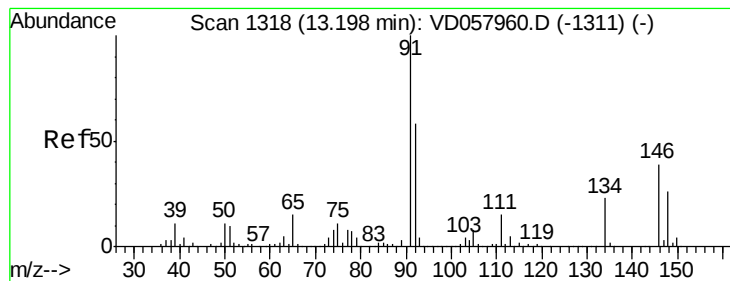
Tot Ion: 91 Resp: 678535
Ion Ratio Lower Upper
91 100
92 58.6 29.2 87.6
134 22.2 11.3 33.9



#90
Hexachloroethane
Concen: 20.176 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 117 Resp: 159418
Ion Ratio Lower Upper
117 100
201 105.1 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 22.383 ug/l

RT: 13.18 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD02

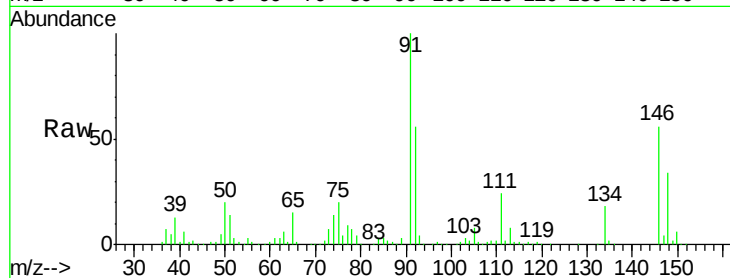
Tot Ion:146 Resp: 327337

Ion Ratio Lower Upper

146 100

111 42.3 19.4 58.2

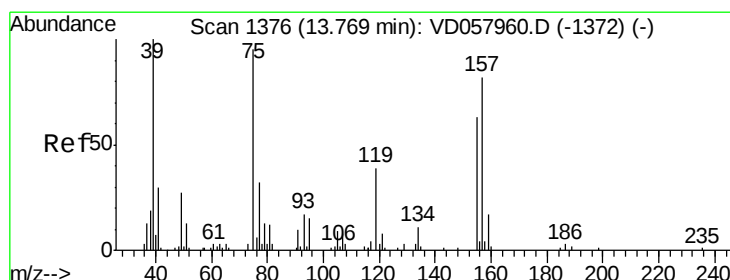
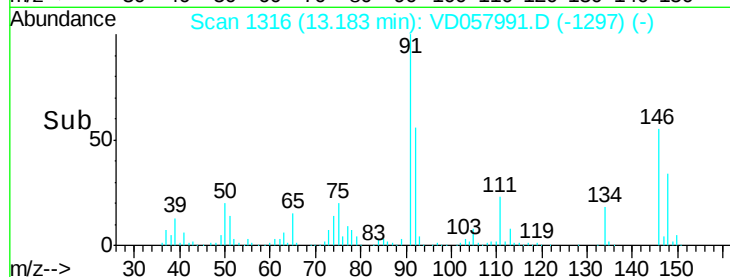
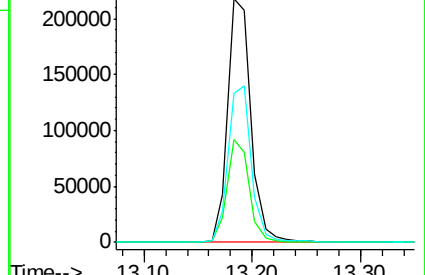
148 60.9 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.608 ug/l

RT: 13.76 min Scan# 1375

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

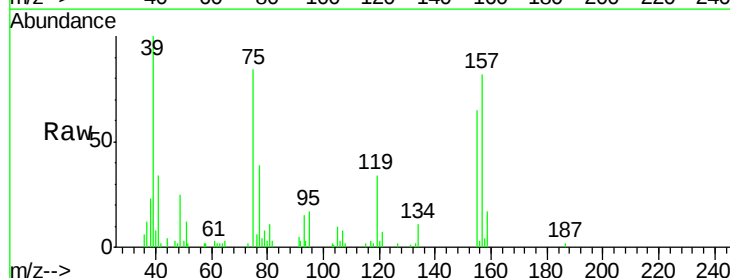
Tgt Ion: 75 Resp: 26278

Ion Ratio Lower Upper

75 100

155 77.0 33.4 100.1

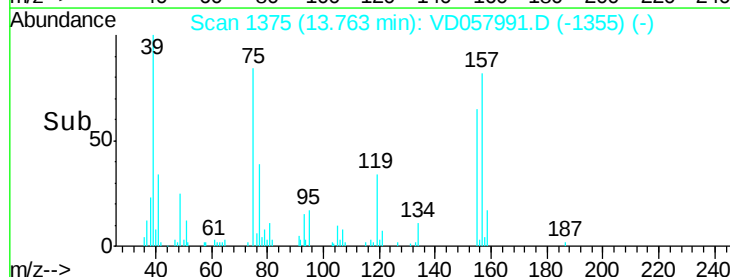
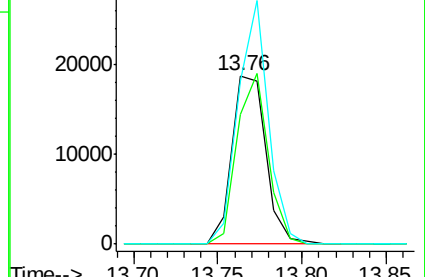
157 96.7 42.9 128.5

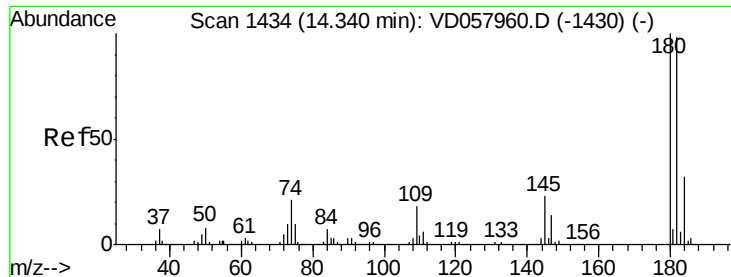


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

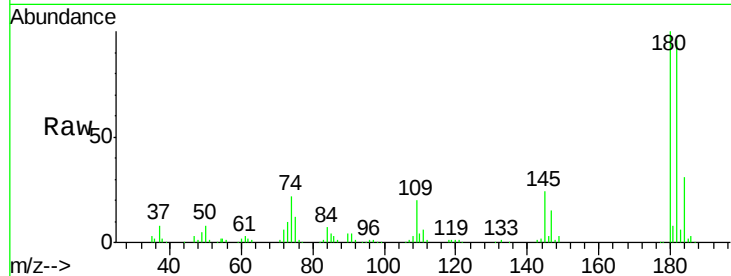




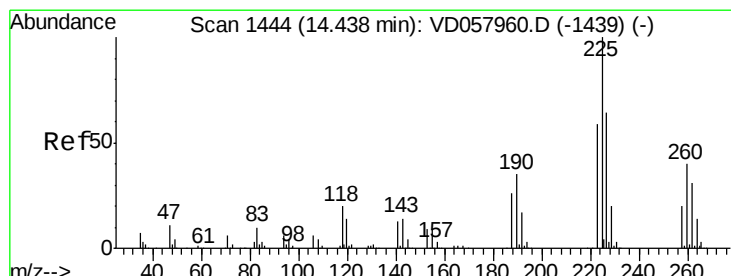
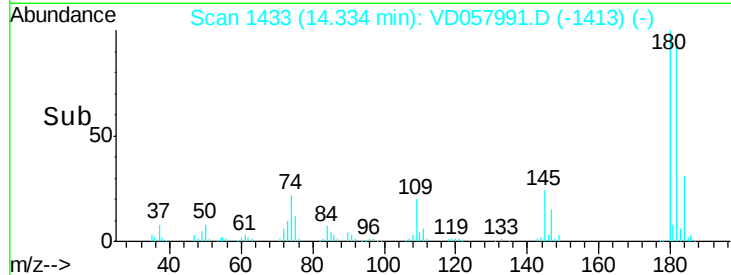
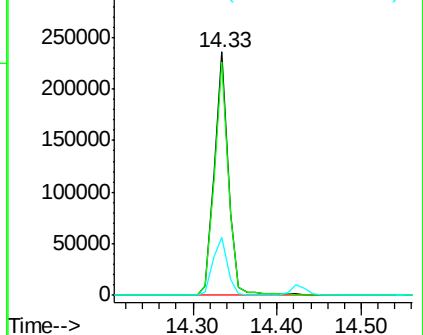
#93
 1,2,4-Trichlorobenzene
 Concen: 20.120 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Tot Ion:180 Resp: 274897
 Ion Ratio Lower Upper
 180 100
 182 95.9 49.0 147.2
 145 23.6 11.8 35.3

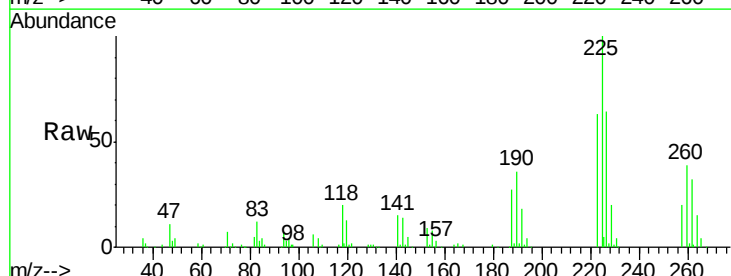


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

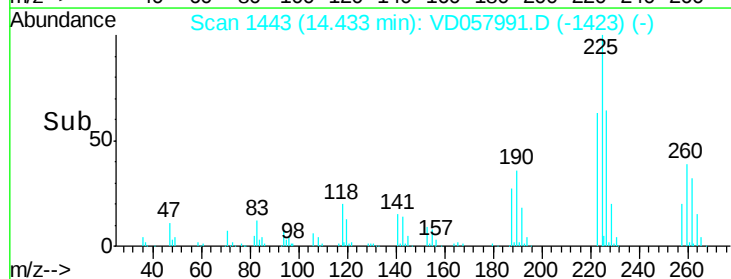
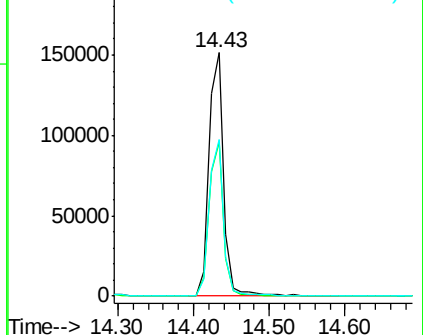


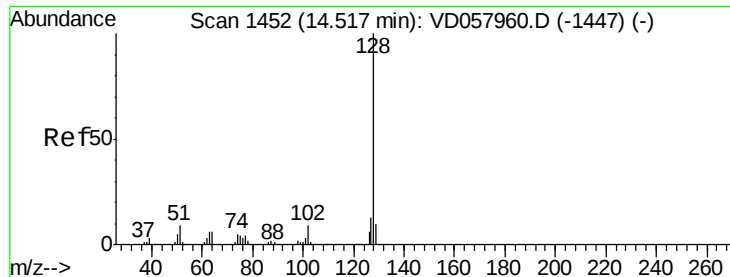
#94
 Hexachlorobutadiene
 Concen: 19.206 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion:225 Resp: 206407
 Ion Ratio Lower Upper
 225 100
 223 63.1 29.5 88.6
 227 64.1 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

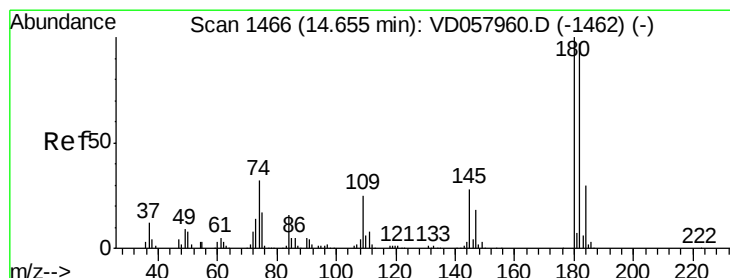
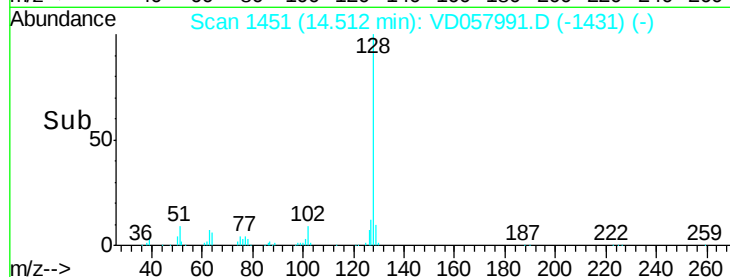
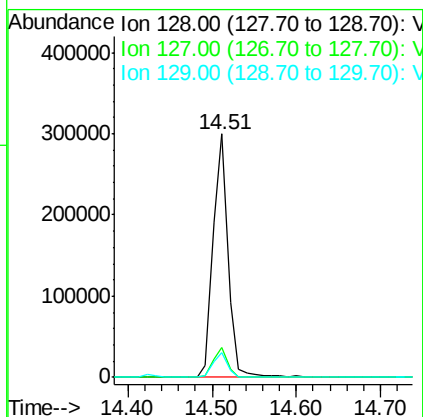
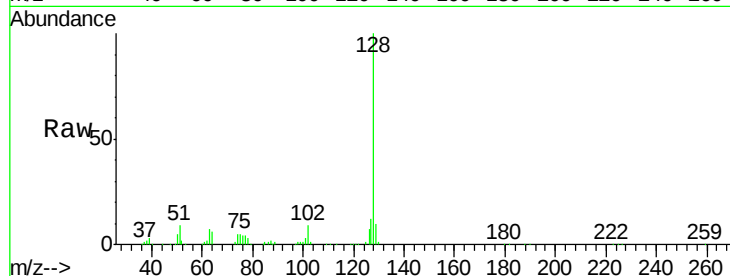




#95
Naphthalene
Concen: 21.085 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tot Ion:128 Resp: 371438
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 10.1 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 20.533 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion:180 Resp: 239082
Ion Ratio Lower Upper
180 100
182 96.8 48.5 145.5
145 21.6 14.2 42.8

