

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058249.D
 Acq On : 21 Jun 2018 13:41
 Operator : VA/AP
 Sample : VD0621SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Quant Time: Jun 22 06:14:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	906417	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	1147840	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	937857	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	514343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	479869	52.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.82%	
35) Dibromofluoromethane	5.56	113	496111	53.10	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	8.72	98	1193163	52.79	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	11.94	95	478253	51.80	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	225413	24.47	ug/l	97
3) Chloromethane	1.48	50	113111	26.55	ug/l	100
4) Vinyl Chloride	1.55	62	101604	21.40	ug/l	94
5) Bromomethane	1.79	94	29977	16.50	ug/l	95
6) Chloroethane	1.88	64	34669	18.73	ug/l	98
7) Trichlorofluoromethane	2.08	101	142702	21.92	ug/l	93
8) Diethyl Ether	2.34	74	28327	20.57	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	96227	23.25	ug/l	90
10) Methyl Iodide	2.68	142	96028	20.40	ug/l	93
11) Tert butyl alcohol	3.27	59	29061	96.24	ug/l #	69
12) 1,1-Dichloroethene	2.55	96	72519	23.29	ug/l	95
13) Acrolein	2.47	56	20598	119.49	ug/l	100
14) Allyl chloride	2.92	41	158268	21.84	ug/l	96
15) Acrylonitrile	3.35	53	78026	97.45	ug/l	94
16) Acetone	2.62	43	139258	111.22	ug/l	95
17) Carbon Disulfide	2.75	76	225912	21.32	ug/l	98
18) Methyl Acetate	2.94	43	49570	18.56	ug/l	99
19) Methyl tert-butyl Ether	3.42	73	230655	27.93	ug/l #	89
20) Methylene Chloride	3.07	84	87525	24.33	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	91779	26.97	ug/l #	92
22) Diisopropyl ether	4.07	45	627936	21.81	ug/l	93
23) Vinyl Acetate	4.02	43	1731468	112.21	ug/l	100
24) 1,1-Dichloroethane	3.97	63	368748	23.78	ug/l	98
25) 2-Butanone	4.84	43	301852	110.61	ug/l	96
26) 2,2-Dichloropropane	4.80	77	293959	22.64	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	199119	23.41	ug/l	87
28) Bromochloromethane	5.15	49	157320	22.63	ug/l #	95
29) Tetrahydrofuran	5.20	42	149048	102.61	ug/l	99
30) Chloroform	5.33	83	373565	22.82	ug/l	95
31) Cyclohexane	5.60	56	288208	22.75	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	281238	20.79	ug/l	98
36) 1,1-Dichloropropene	5.75	75	268689	23.66	ug/l	96
37) Ethyl Acetate	4.93	43	144391	22.32	ug/l #	92
38) Carbon Tetrachloride	5.74	117	249681	22.13	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	250269	22.63	ug/l	95
40) Benzene	6.02	78	613727	22.69	ug/l	98
41) Methacrylonitrile	5.13	41	73792	23.62	ug/l	97
42) 1,2-Dichloroethane	6.14	62	241832	22.17	ug/l	99
43) Isopropyl Acetate	7.63	43	179533	20.81	ug/l	# 100
44) Trichloroethene	6.99	130	184449	22.71	ug/l	95
45) 1,2-Dichloropropane	7.35	63	165683	22.74	ug/l	99
46) Dibromomethane	7.47	93	112169	22.56	ug/l	93
47) Bromodichloromethane	7.74	83	252140	22.23	ug/l	97
48) Methyl methacrylate	7.51	41	106011	20.22	ug/l	97
49) 1,4-Dioxane	7.50	88	18272	386.13	ug/l	97
51) 4-Methyl-2-Pentanone	8.61	43	610689	108.54	ug/l	98
52) Toluene	8.81	92	347321	22.55	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	222378	22.55	ug/l	94
54) cis-1,3-Dichloropropene	8.37	75	266072	23.02	ug/l	99
55) 1,1,2-Trichloroethane	9.46	97	120664	22.14	ug/l	95
56) Ethyl methacrylate	9.32	69	142339	21.84	ug/l	97
57) 1,3-Dichloropropane	9.67	76	202793	22.09	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	386881	119.92	ug/l	99
59) 2-Hexanone	9.79	43	472599	116.25	ug/l	95
60) Dibromochloromethane	9.97	129	162368	21.96	ug/l	96
61) 1,2-Dibromoethane	10.10	107	126599	21.23	ug/l	93
64) Tetrachloroethene	9.52	164	170857	21.65	ug/l	96
65) Chlorobenzene	10.73	112	388972	22.17	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.86	131	146455	21.63	ug/l	97
67) Ethyl Benzene	10.87	91	695848	22.47	ug/l	100
68) m/p-Xylenes	11.02	106	478697	46.35	ug/l	100
69) o-Xylene	11.41	106	233033	23.62	ug/l	97
70) Styrene	11.44	104	393217	23.36	ug/l	97
71) Bromoform	11.60	173	111894	20.72	ug/l	# 96
73) Isopropylbenzene	11.78	105	643946	20.93	ug/l	98
74) N-amyl acetate	11.65	43	235116	19.76	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	144358	20.16	ug/l	89
76) 1,2,3-Trichloropropane	12.12	75	152378	20.29	ug/l	99
77) Bromobenzene	12.05	156	195529	21.22	ug/l	91
78) n-propylbenzene	12.16	91	860147	21.65	ug/l	96
79) 2-Chlorotoluene	12.22	91	475880	20.93	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	521832	21.75	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	39986	21.83	ug/l	84
82) 4-Chlorotoluene	12.33	91	553025	21.90	ug/l	96
83) tert-Butylbenzene	12.58	119	578436	20.97	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	563379	21.60	ug/l	99
85) sec-Butylbenzene	12.77	105	708177	21.90	ug/l	96
86) p-Isopropyltoluene	12.89	119	569273	21.72	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	338295	21.13	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	338144	21.63	ug/l	98
89) n-Butylbenzene	13.20	91	614686	22.32	ug/l	97
90) Hexachloroethane	13.41	117	139259	20.47	ug/l	82
91) 1,2-Dichlorobenzene	13.20	146	289679	21.26	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	21861	19.19	ug/l	90

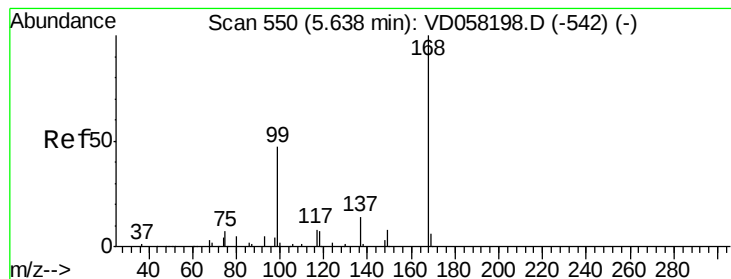
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	275950	21.17	ug/l	96
94) Hexachlorobutadiene	14.44	225	201881	19.80	ug/l	96
95) Naphthalene	14.52	128	345651	20.13	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	230437	20.20	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

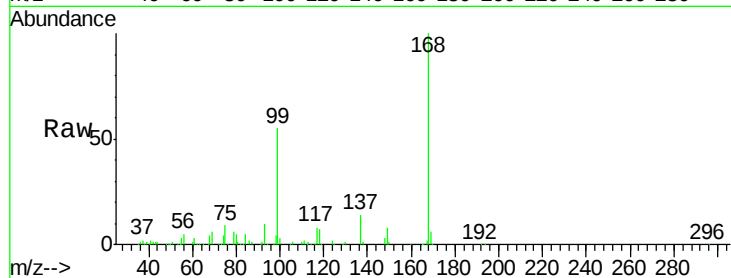
VD0621SBS01

Tot Ion:168 Resp: 906417

Ion Ratio Lower Upper

168 100

99 54.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

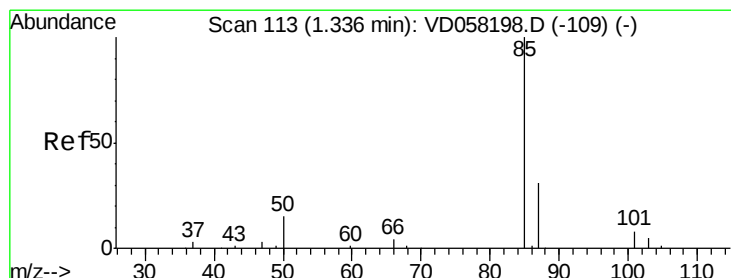
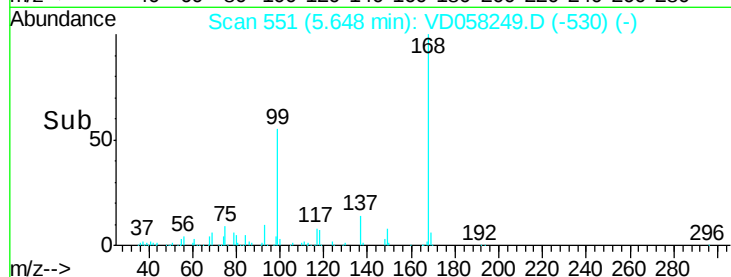
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.47 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058249.D

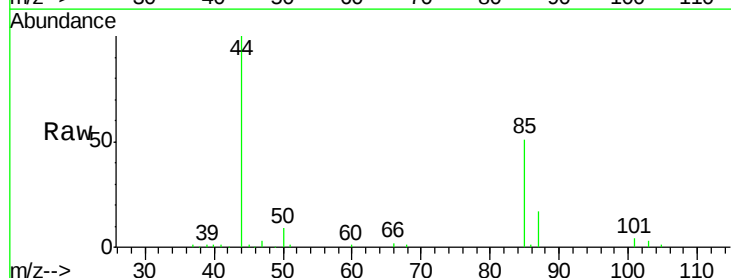
Acq: 21 Jun 2018 13:41

Tgt Ion: 85 Resp: 225413

Ion Ratio Lower Upper

85 100

87 32.8 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.34

80000

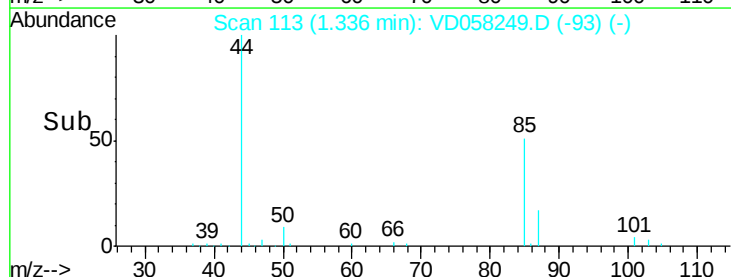
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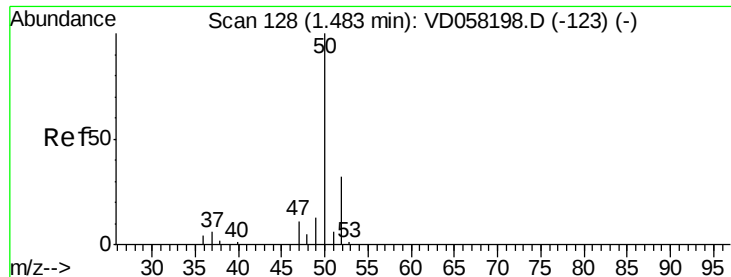
40000

20000

0

Time-->





#3

Chloromethane

Concen: 26.55 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

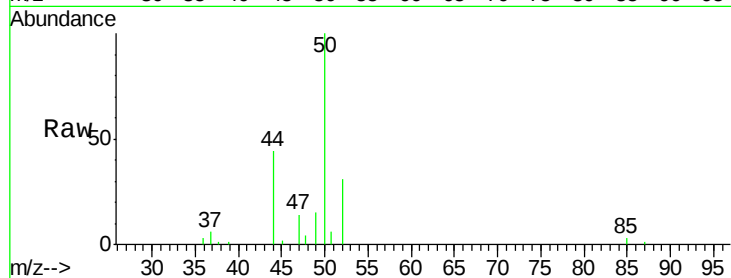
VD0621SBS01

Tot Ion: 50 Resp: 113111

Ion Ratio Lower Upper

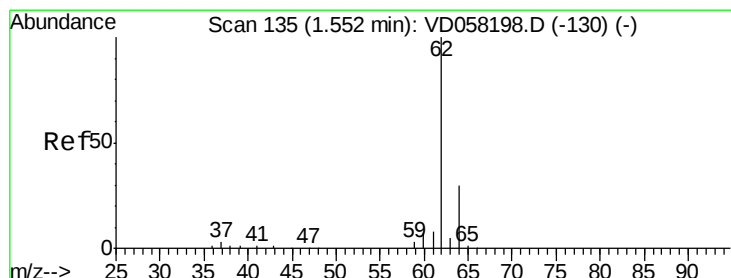
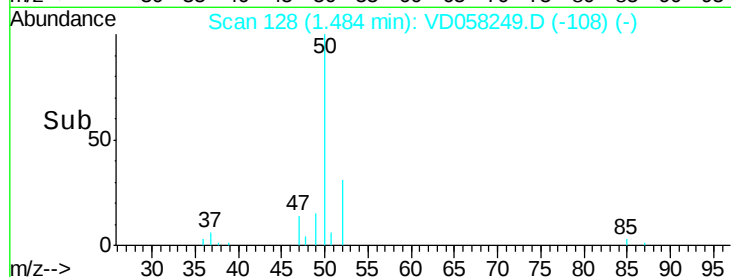
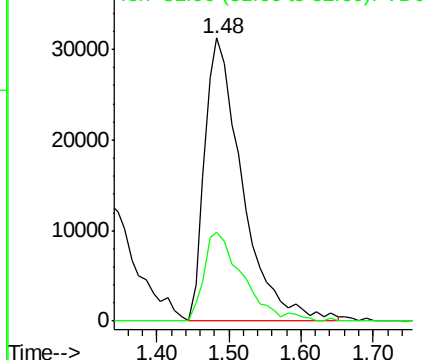
50 100

52 31.5 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.40 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058249.D

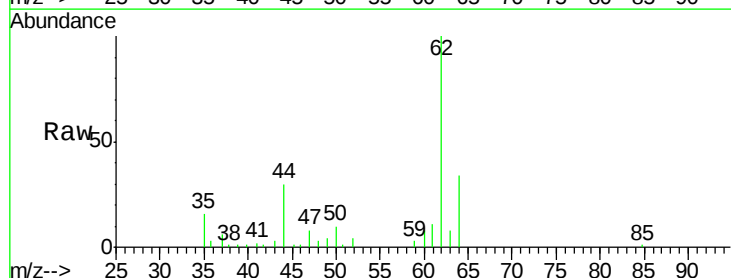
Acq: 21 Jun 2018 13:41

Tgt Ion: 62 Resp: 101604

Ion Ratio Lower Upper

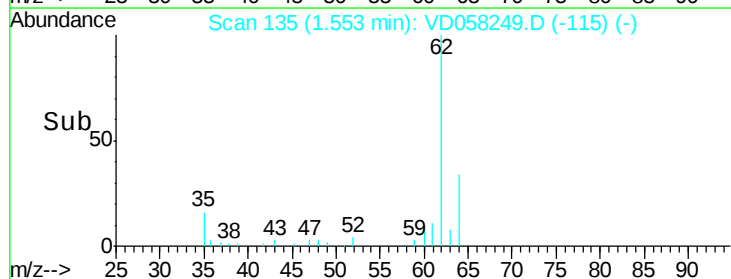
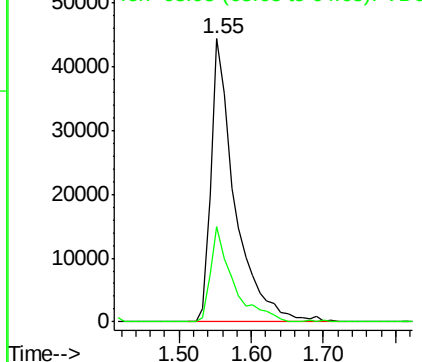
62 100

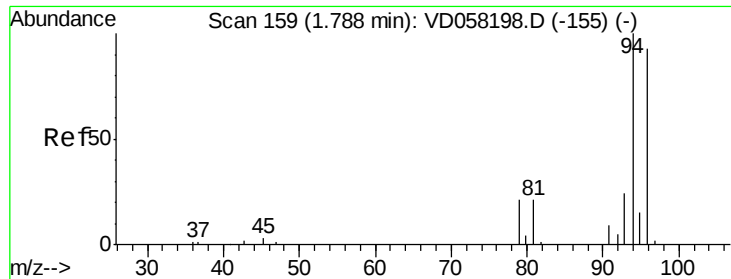
64 33.7 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.50 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

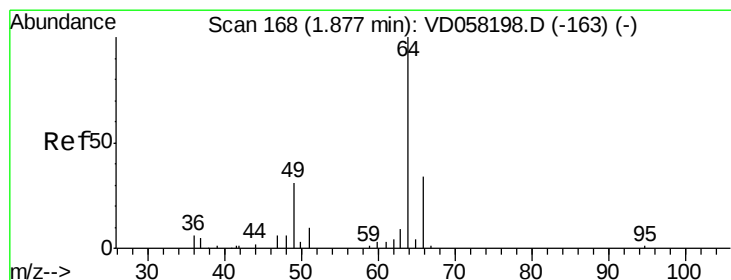
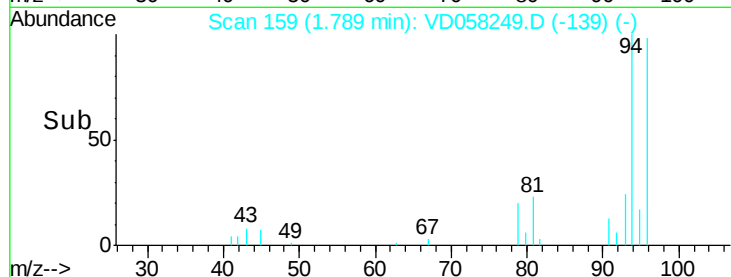
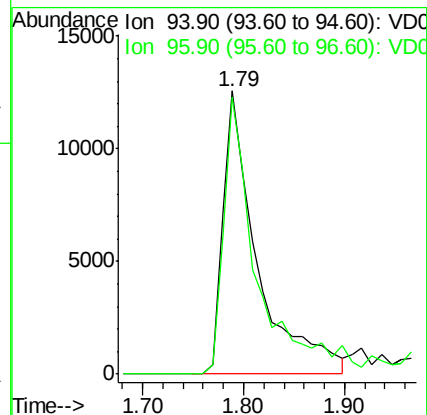
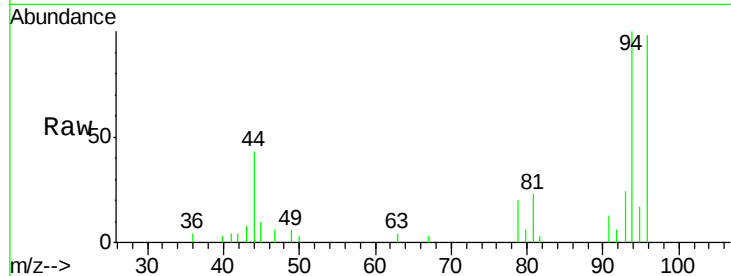
VD0621SBS01

Tot Ion: 94 Resp: 29977

Ion Ratio Lower Upper

94 100

96 97.7 74.2 111.2



#6

Chloroethane

Concen: 18.73 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD058249.D

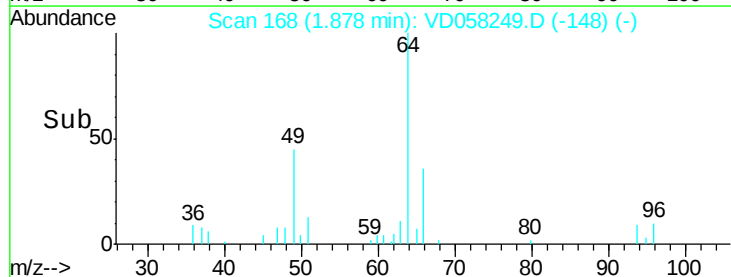
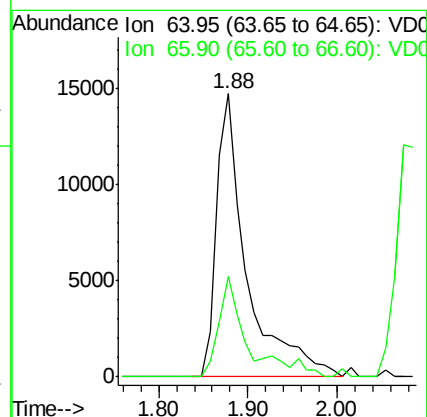
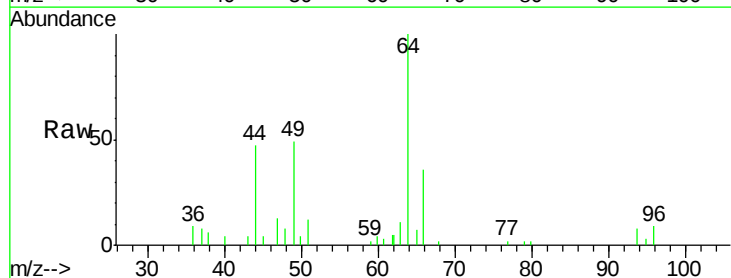
Acq: 21 Jun 2018 13:41

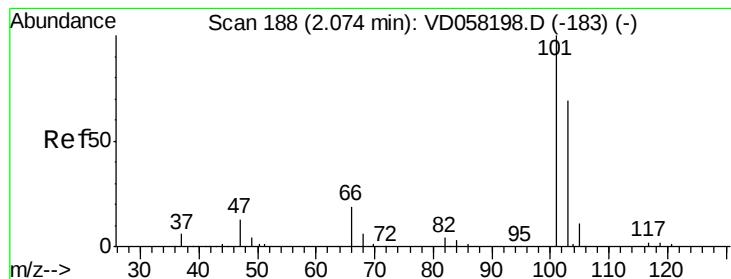
Tgt Ion: 64 Resp: 34669

Ion Ratio Lower Upper

64 100

66 35.5 27.3 40.9



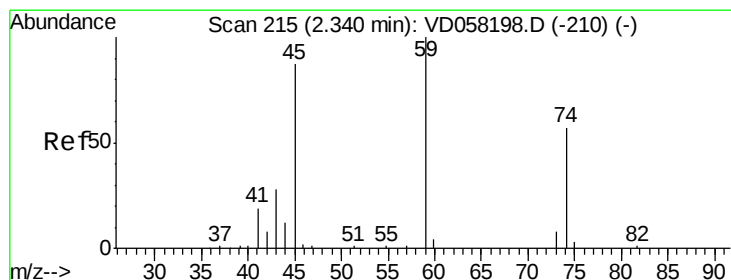
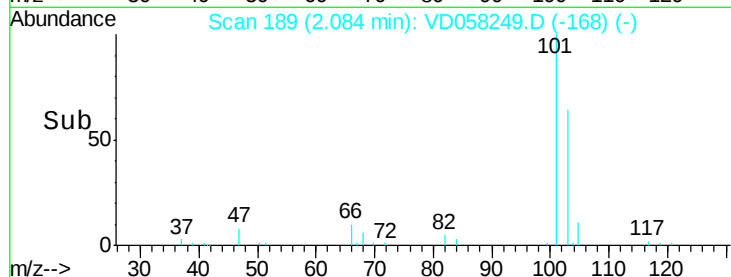
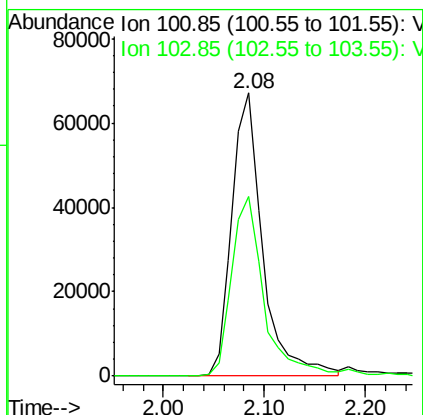
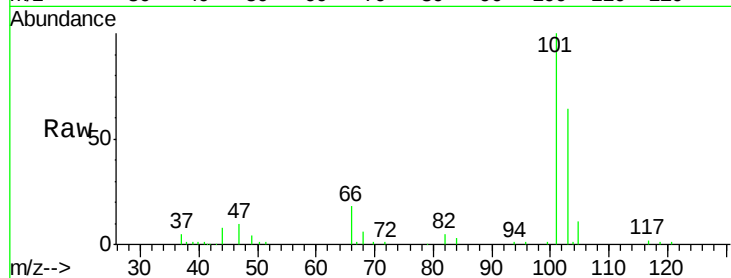


#7

Trichlorofluoromethane
 Concen: 21.92 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

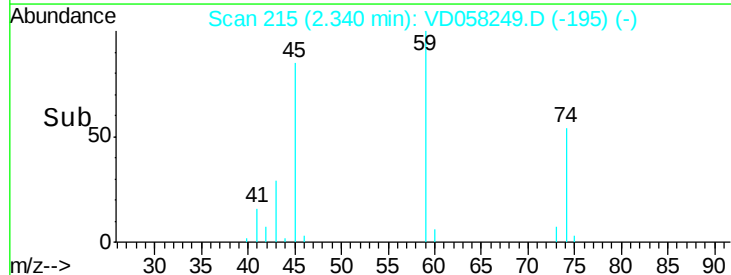
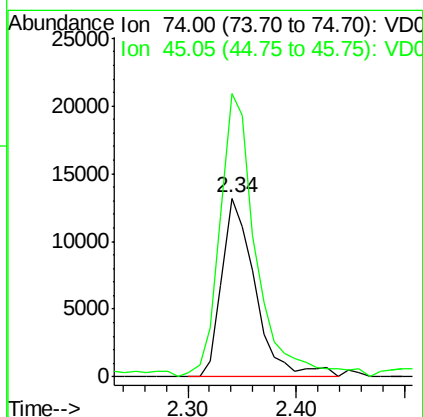
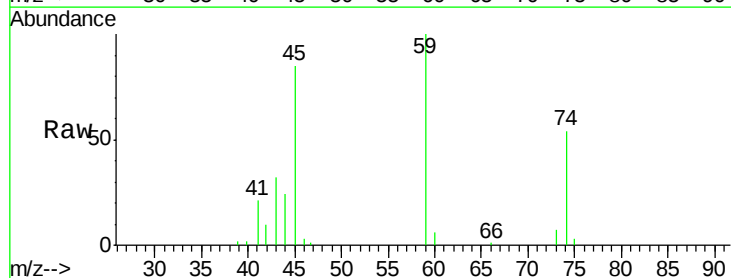
Tot Ion:101 Resp: 142702
 Ion Ratio Lower Upper
 101 100
 103 63.6 55.1 82.7



#8

Diethyl Ether
 Concen: 20.57 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Tgt Ion: 74 Resp: 28327
 Ion Ratio Lower Upper
 74 100
 45 158.4 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.25 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

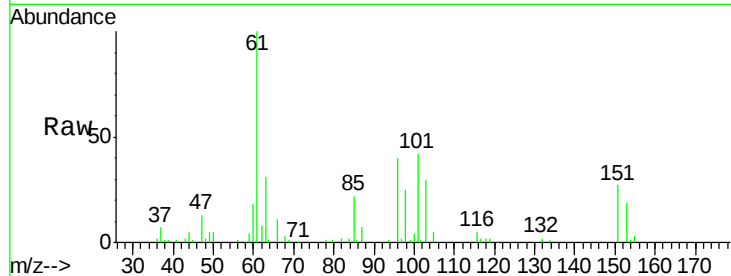
Tot Ion:101 Resp: 96227

Ion Ratio Lower Upper

101 100

85 51.4 39.0 58.4

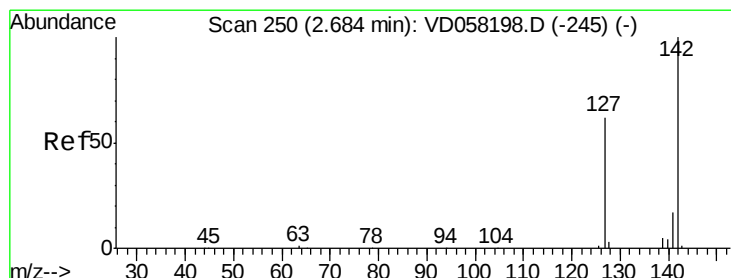
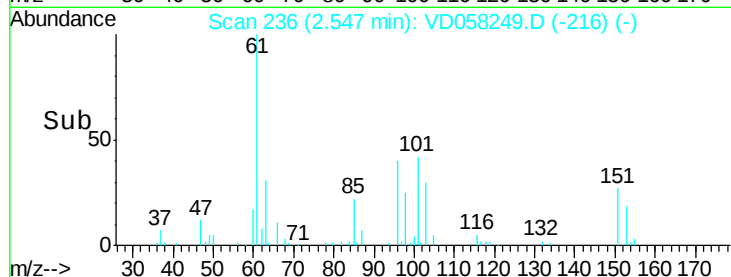
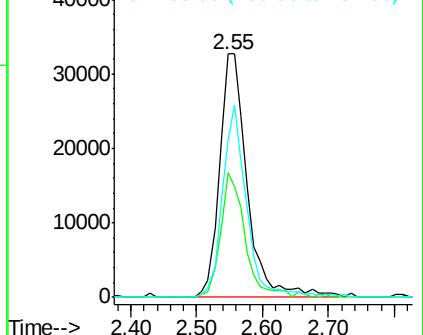
151 64.8 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.40 ug/l

RT: 2.68 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

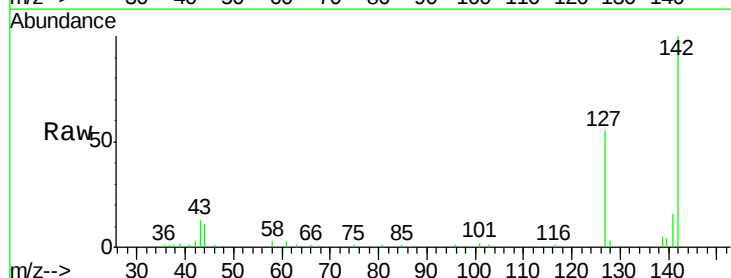
Tgt Ion:142 Resp: 96028

Ion Ratio Lower Upper

142 100

127 55.4 49.4 74.0

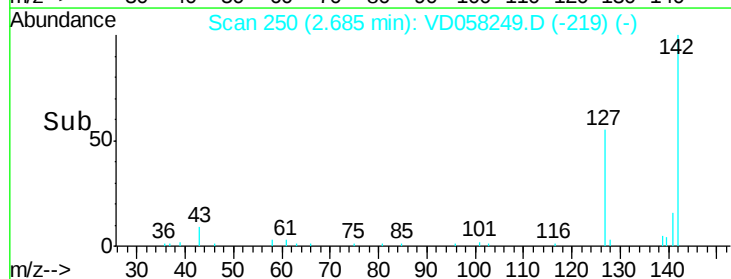
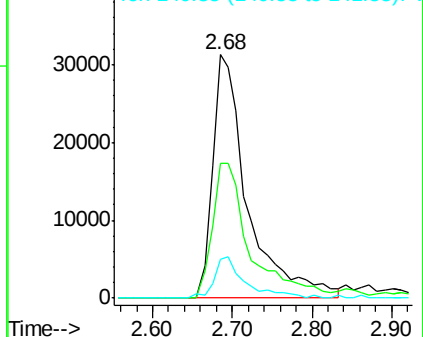
141 16.2 13.5 20.3



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 96.24 ug/l

RT: 3.27 min Scan# 309

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

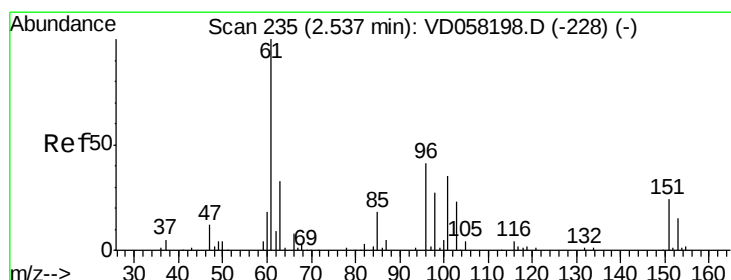
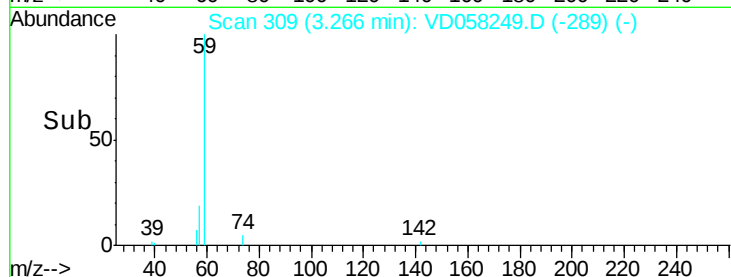
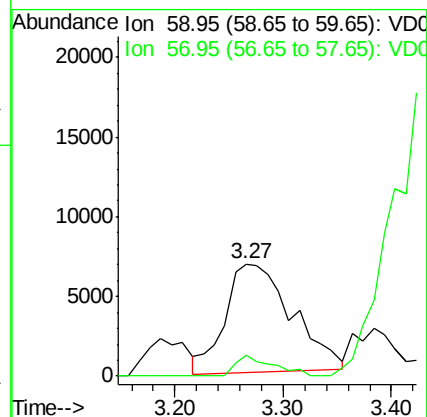
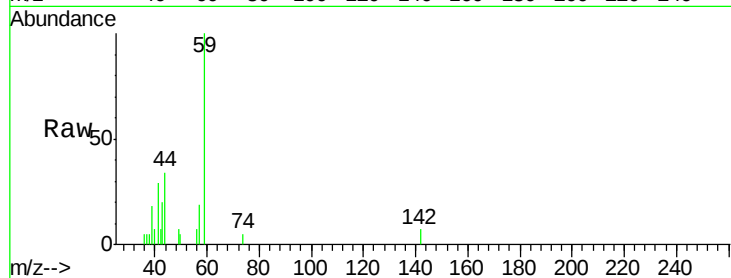
VD0621SBS01

Tot Ion: 59 Resp: 29061

Ion Ratio Lower Upper

59 100

57 18.6 6.2 9.4#



#12

1,1-Dichloroethene

Concen: 23.29 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

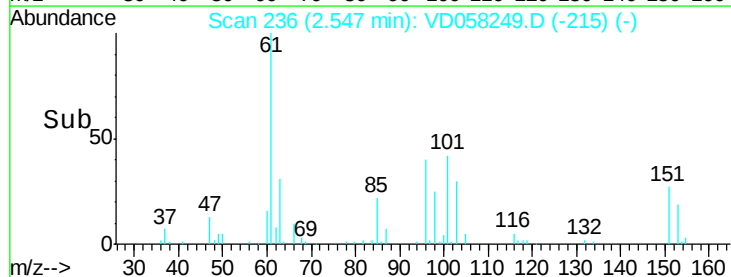
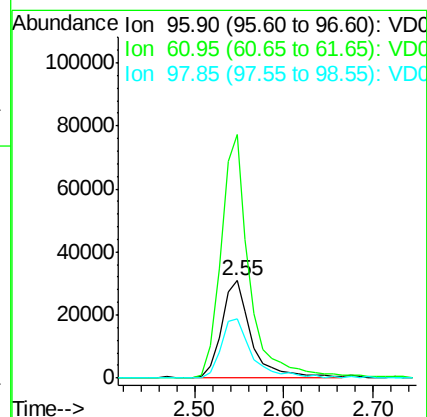
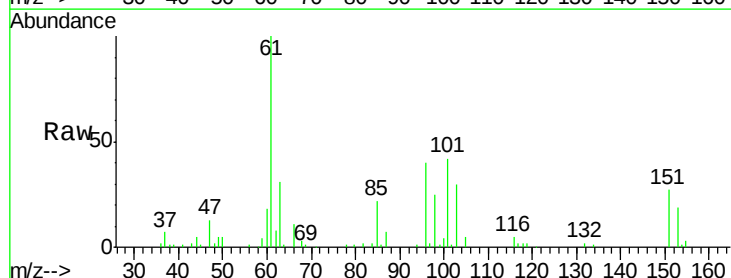
Tgt Ion: 96 Resp: 72519

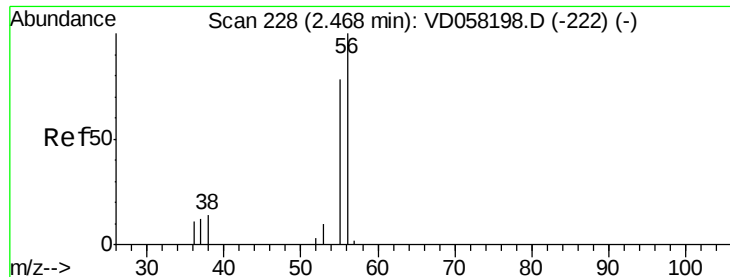
Ion Ratio Lower Upper

96 100

61 250.6 193.9 290.9

98 61.4 51.7 77.5





#13

Acrolein

Concen: 119.49 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

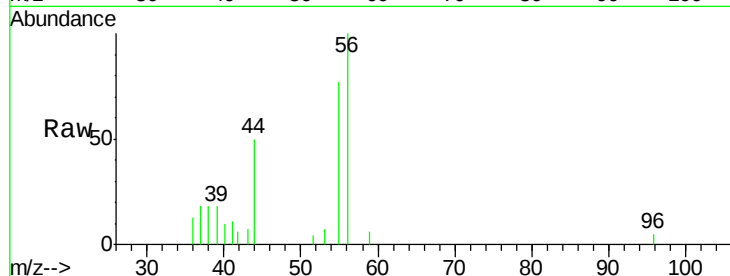
VD0621SBS01

Tot Ion: 56 Resp: 20598

Ion Ratio Lower Upper

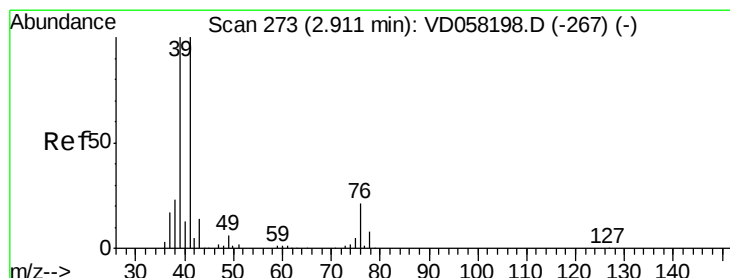
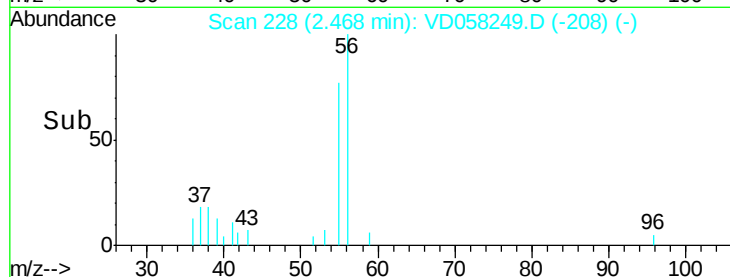
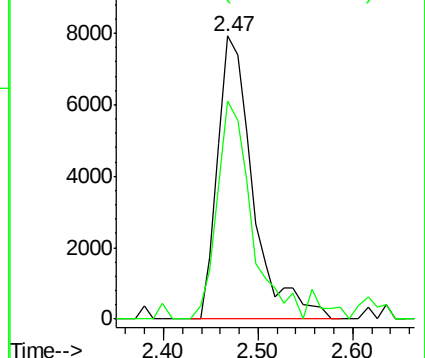
56 100

55 77.2 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.84 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

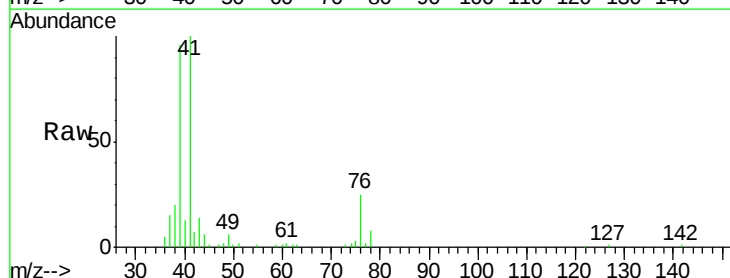
Tgt Ion: 41 Resp: 158268

Ion Ratio Lower Upper

41 100

39 96.0 80.1 120.1

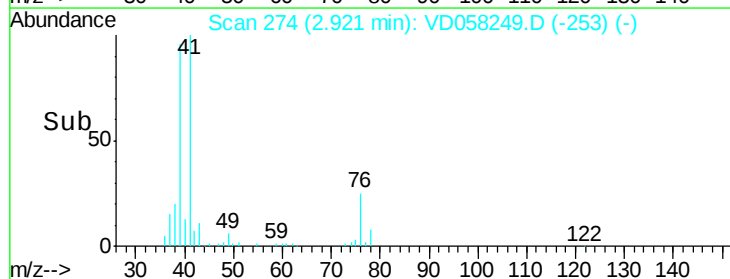
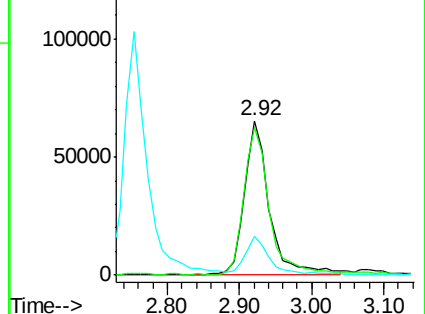
76 25.2 19.4 29.2

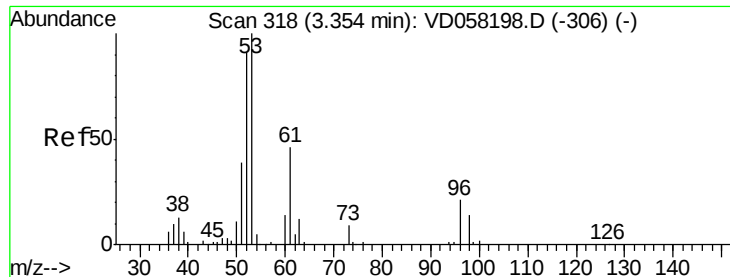


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 97.45 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

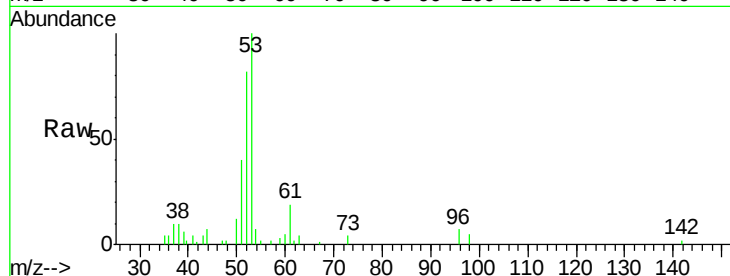
Tot Ion: 53 Resp: 78026

Ion Ratio Lower Upper

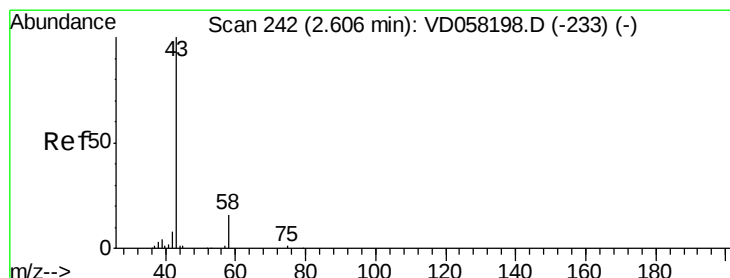
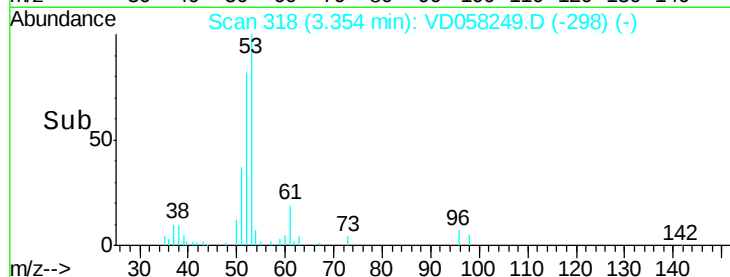
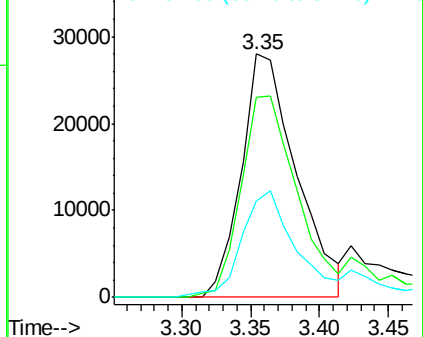
53 100

52 82.3 72.6 108.8

51 39.6 32.2 48.4



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



#16

Acetone

Concen: 111.22 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058249.D

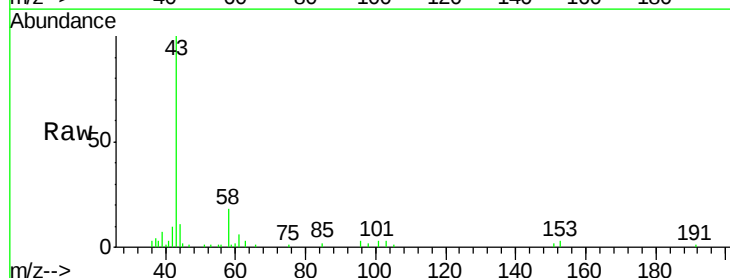
Acq: 21 Jun 2018 13:41

Tgt Ion: 43 Resp: 139258

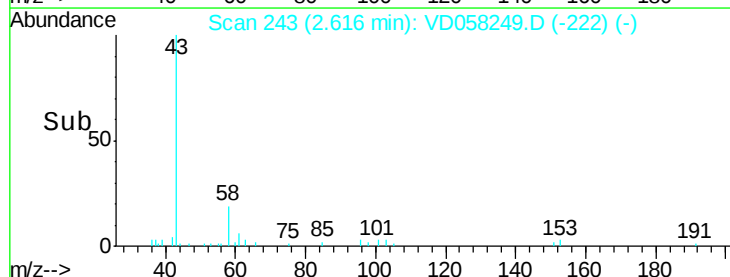
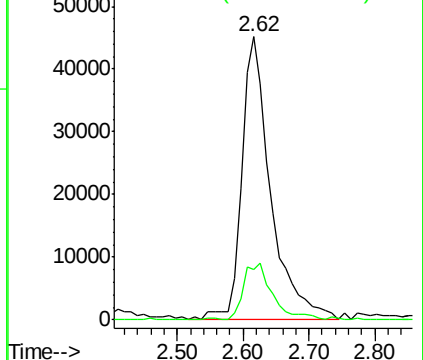
Ion Ratio Lower Upper

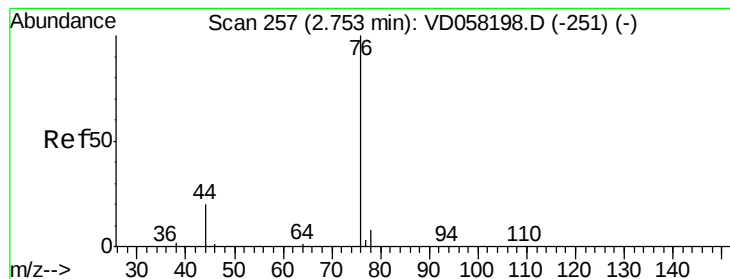
43 100

58 17.9 12.7 19.1



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





#17

Carbon Disulfide

Concen: 21.32 ug/l

RT: 2.75 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

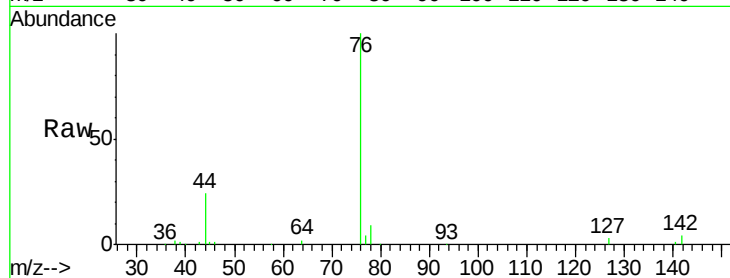
VD0621SBS01

Tot Ion: 76 Resp: 225912

Ion Ratio Lower Upper

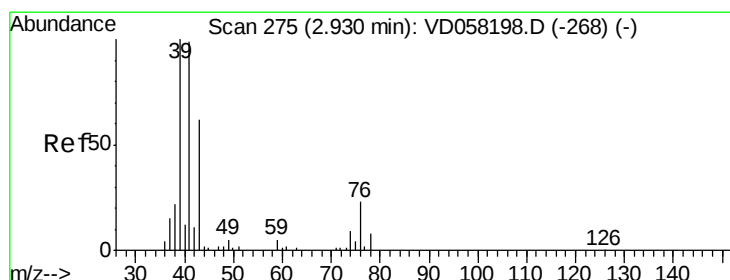
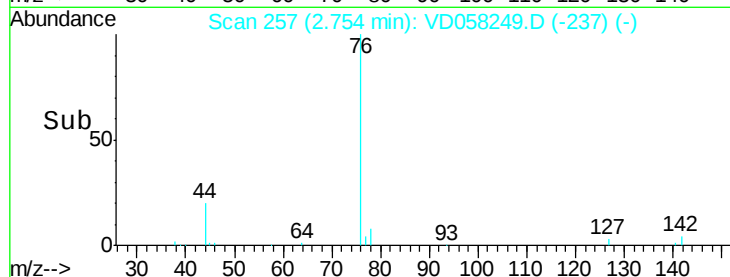
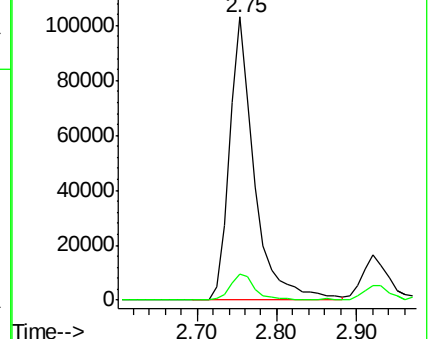
76 100

78 9.2 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.56 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD058249.D

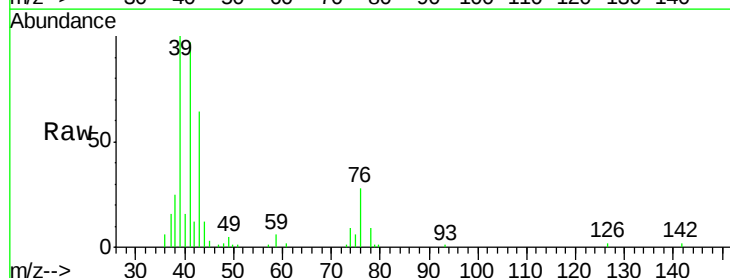
Acq: 21 Jun 2018 13:41

Tgt Ion: 43 Resp: 49570

Ion Ratio Lower Upper

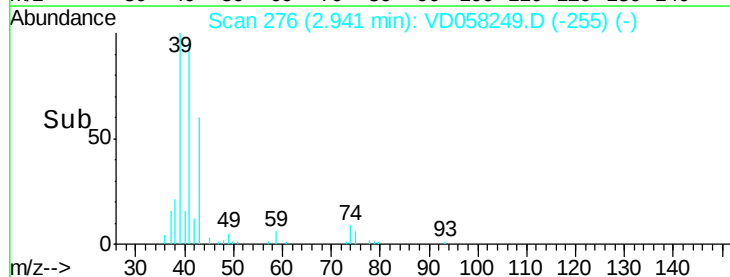
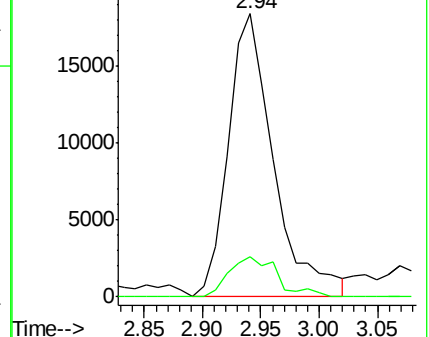
43 100

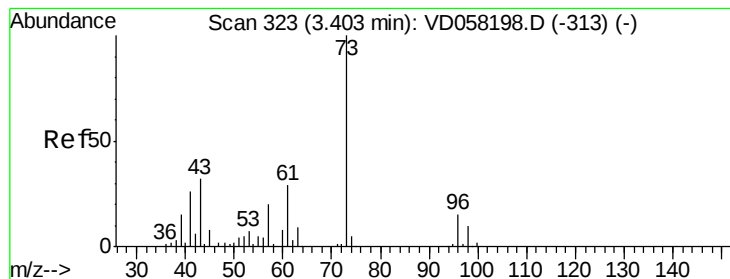
74 14.2 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



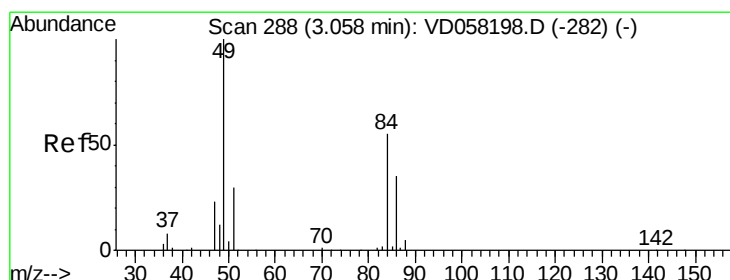
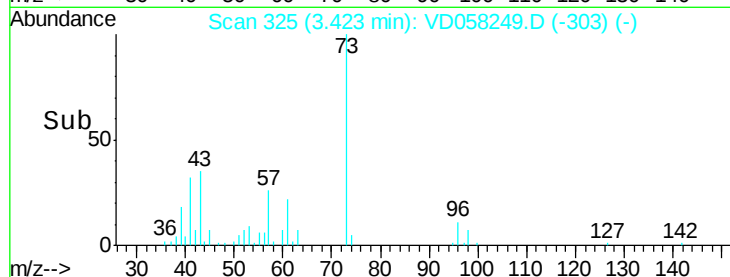
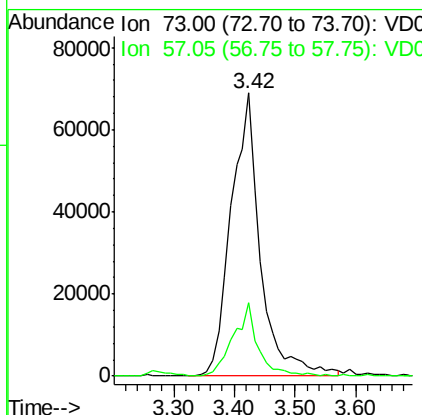
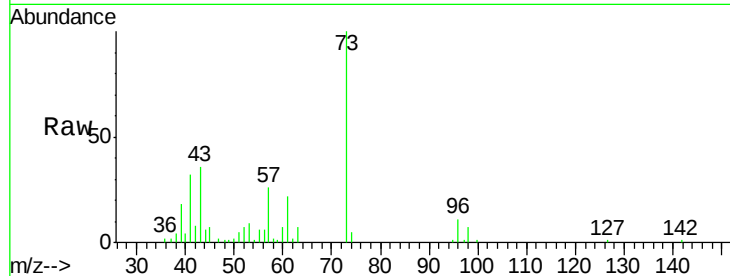


#19

Methyl tert-butyl Ether
 Concen: 27.93 ug/l
 RT: 3.42 min Scan# 325
 Delta R.T. 0.02 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

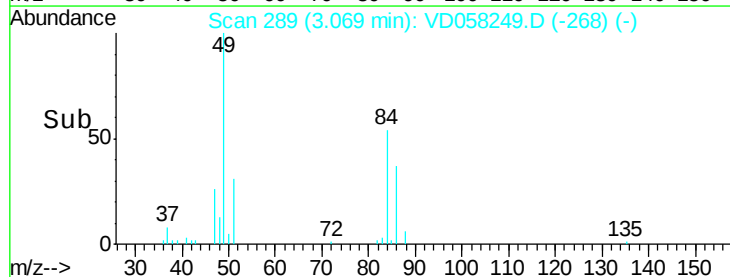
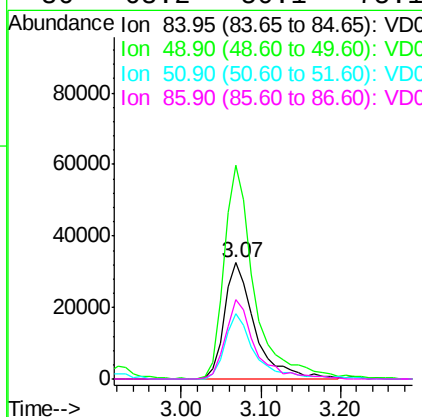
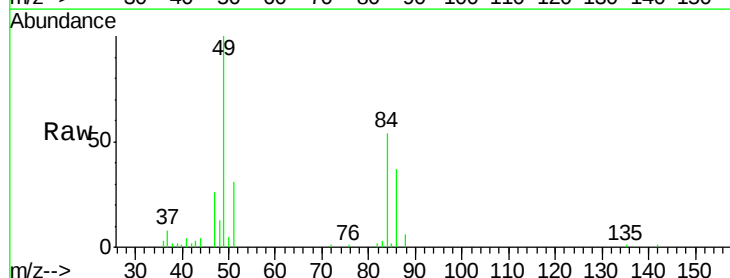
Tot Ion: 73 Resp: 230655
 Ion Ratio Lower Upper
 73 100
 57 25.8 16.6 24.8#

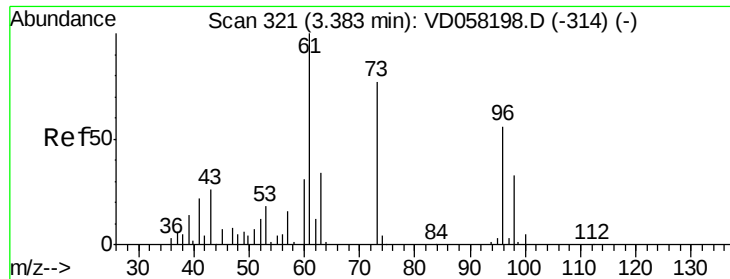


#20

Methylene Chloride
 Concen: 24.33 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Tgt Ion: 84 Resp: 87525
 Ion Ratio Lower Upper
 84 100
 49 184.0 145.0 217.6
 51 56.2 42.9 64.3
 86 68.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 26.97 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

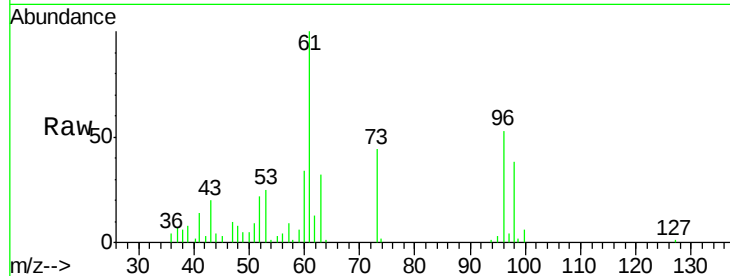
Tot Ion: 96 Resp: 91779

Ion Ratio Lower Upper

96 100

61 187.3 143.8 215.6

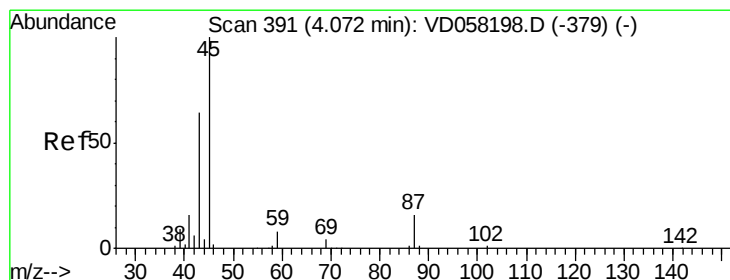
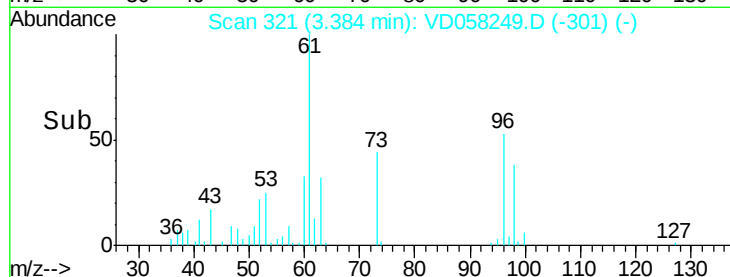
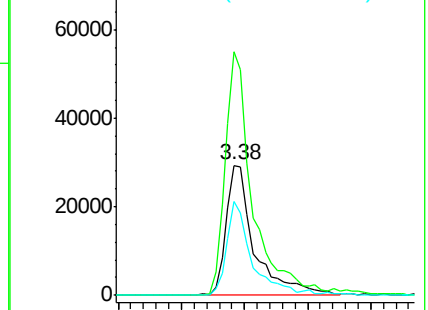
98 72.0 48.0 72.0#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.81 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Tgt Ion: 45 Resp: 627936

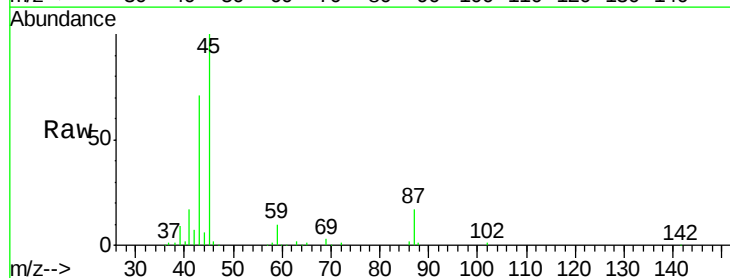
Ion Ratio Lower Upper

45 100

43 70.7 51.4 77.0

87 16.7 13.0 19.4

59 9.8 6.9 10.3

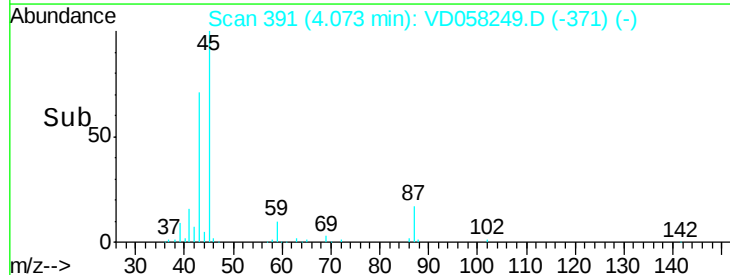
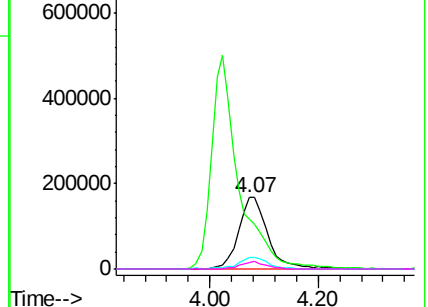


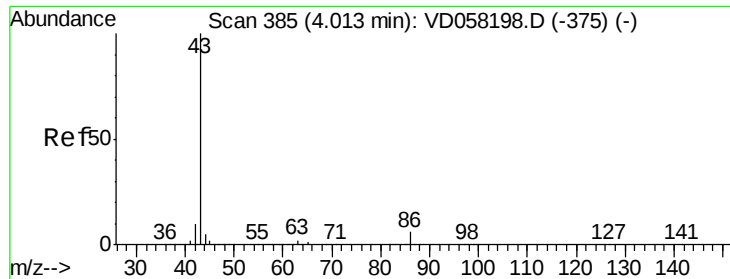
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 112.21 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

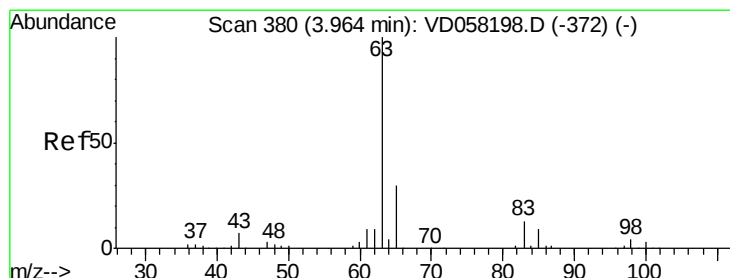
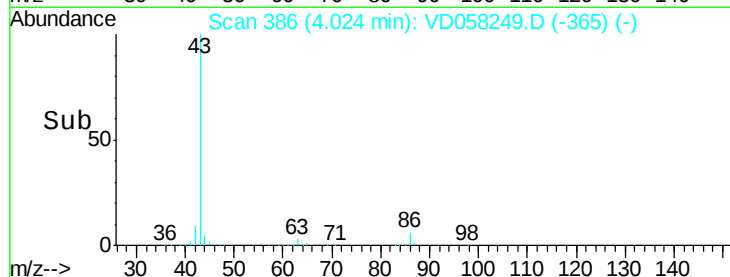
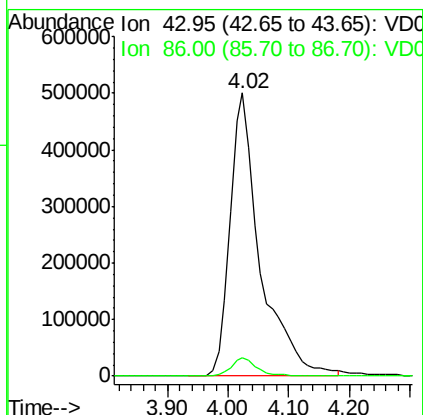
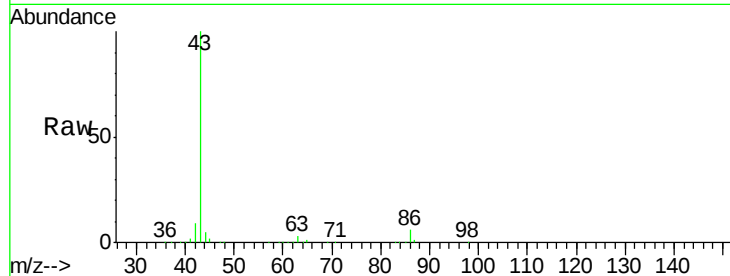
VD0621SBS01

Tot Ion: 43 Resp: 1731468

Ion Ratio Lower Upper

43 100

86 6.4 5.0 7.4



#24

1,1-Dichloroethane

Concen: 23.78 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

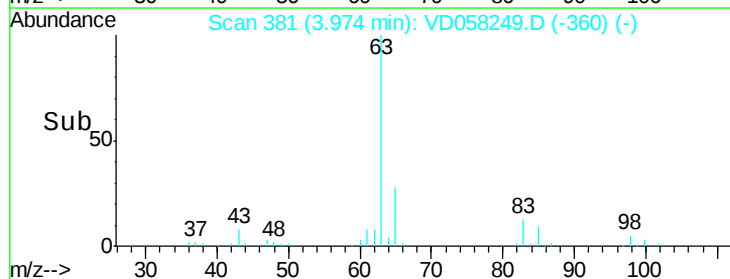
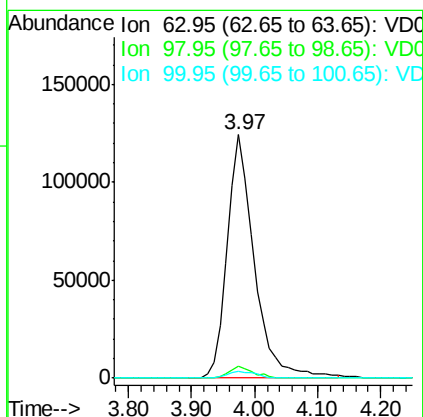
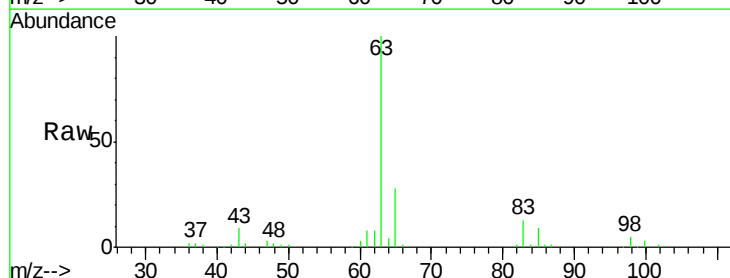
Tgt Ion: 63 Resp: 368748

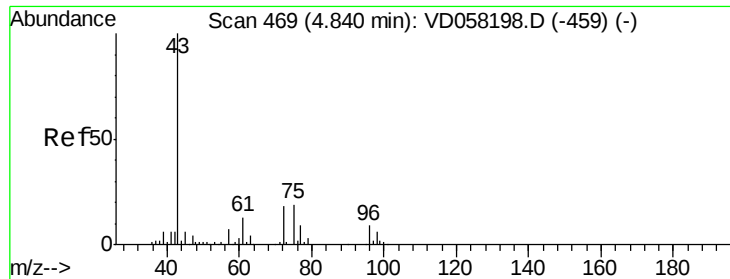
Ion Ratio Lower Upper

63 100

98 4.9 1.9 5.7

100 2.8 1.3 3.9





#25

2-Butanone

Concen: 110.61 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

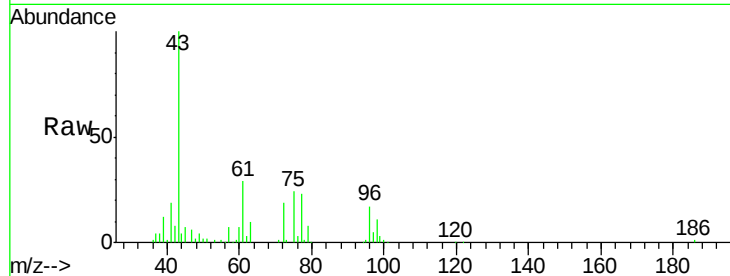
VD0621SBS01

Tot Ion: 43 Resp: 301852

Ion Ratio Lower Upper

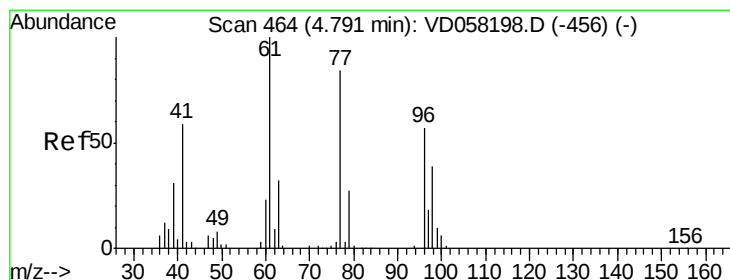
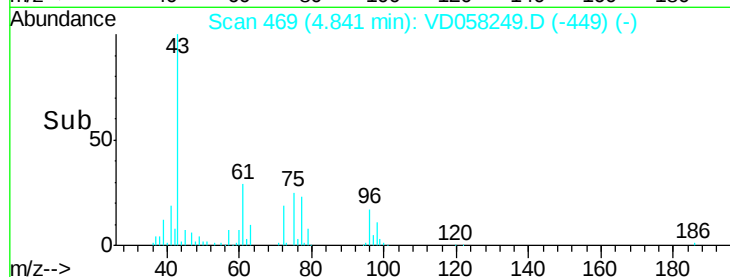
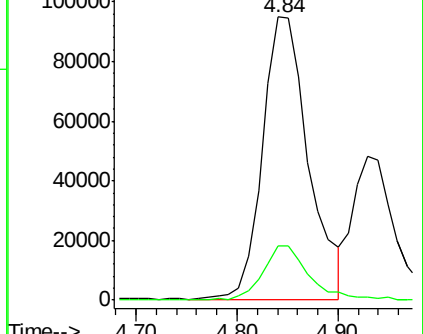
43 100

72 19.2 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.64 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058249.D

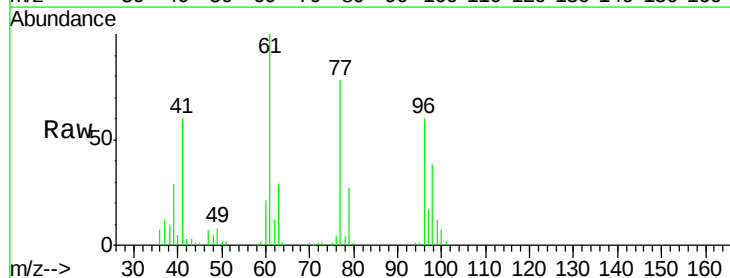
Acq: 21 Jun 2018 13:41

Tgt Ion: 77 Resp: 293959

Ion Ratio Lower Upper

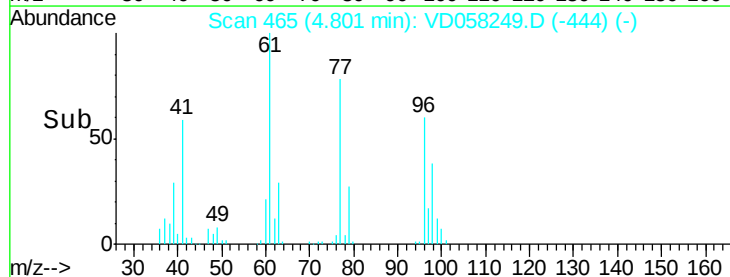
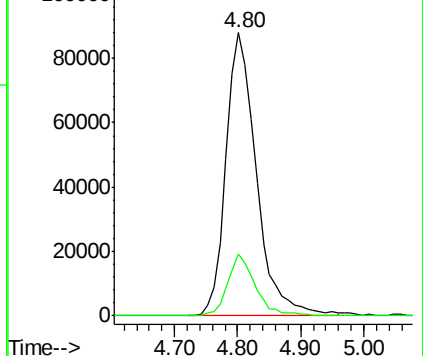
77 100

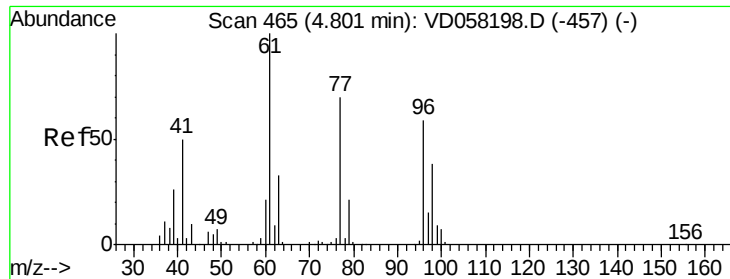
97 21.7 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

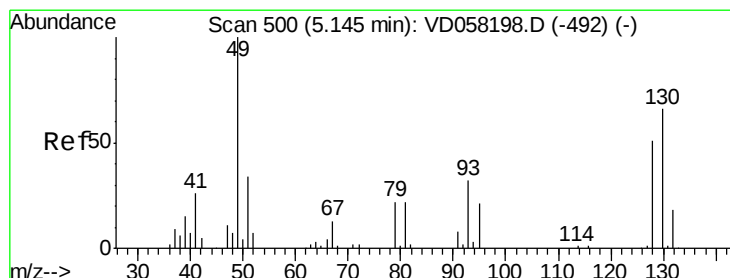
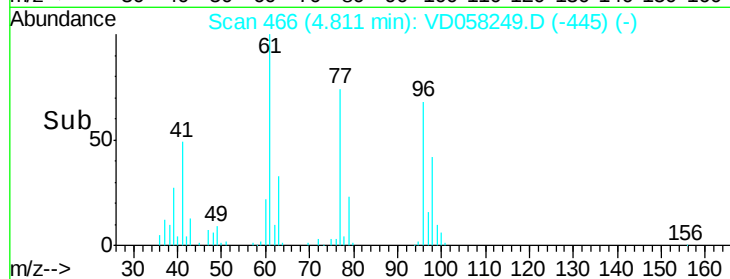
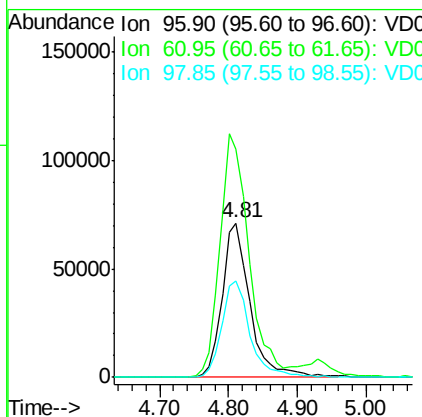
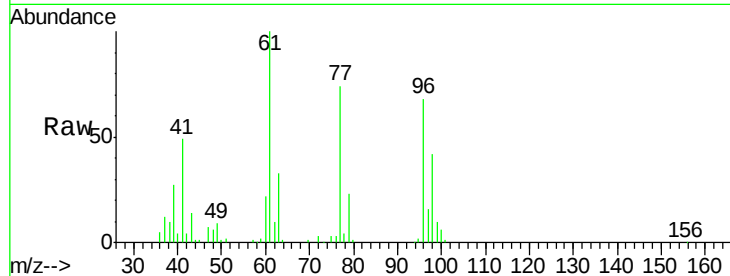




#27
 cis-1,2-Dichloroethene
 Concen: 23.41 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

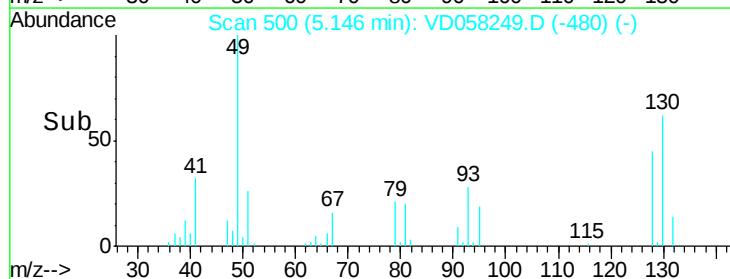
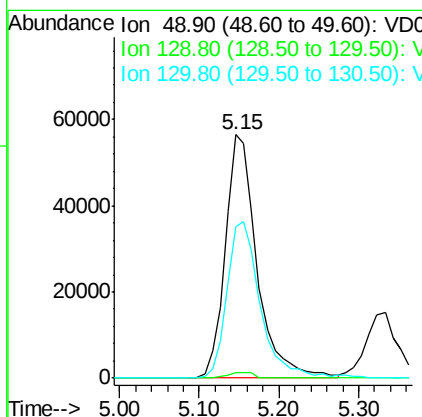
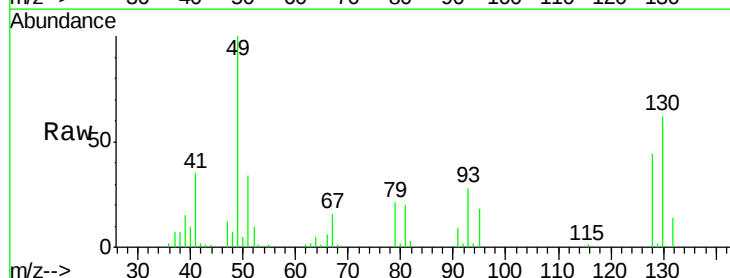
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Tot Ion: 96 Resp: 199119
 Ion Ratio Lower Upper
 96 100
 61 147.6 0.0 338.6
 98 62.1 0.0 130.2



#28
 Bromochloromethane
 Concen: 22.63 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Tgt Ion: 49 Resp: 157320
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 0.0#
 130 62.0 52.6 79.0

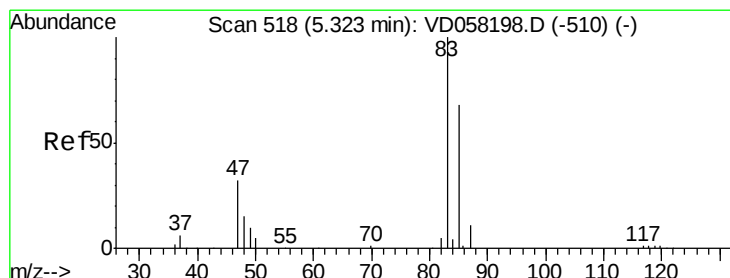
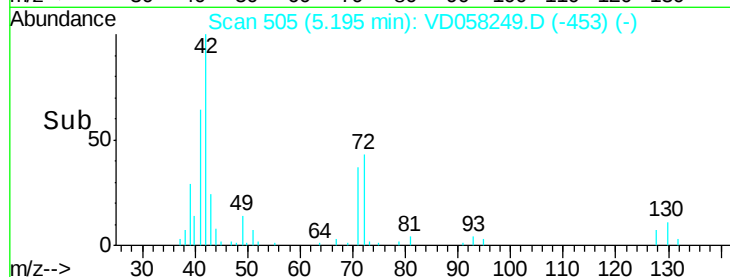
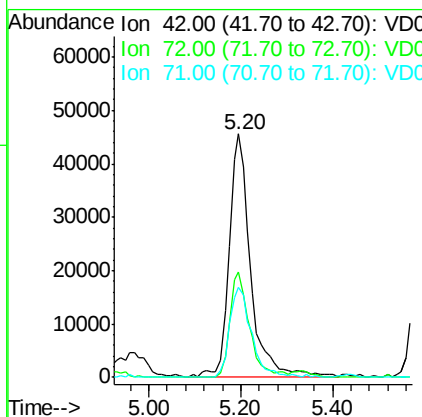
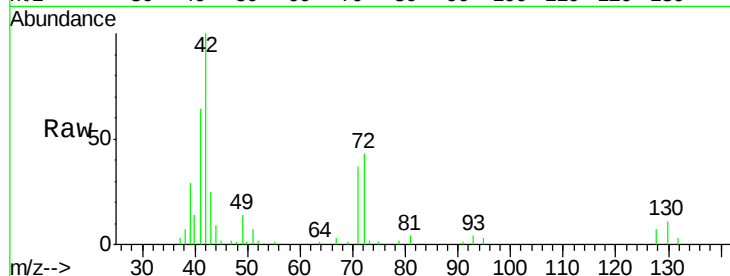




#29
Tetrahydrofuran
Concen: 102.61 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

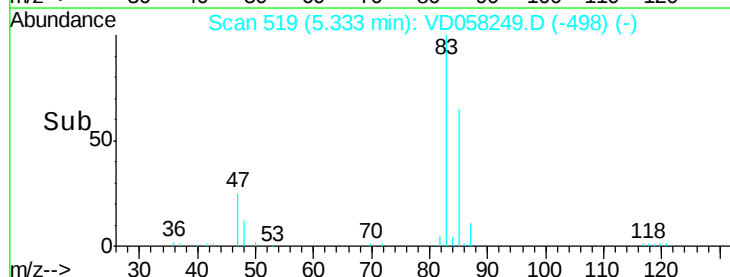
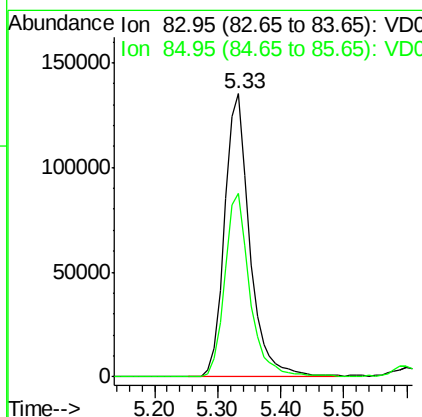
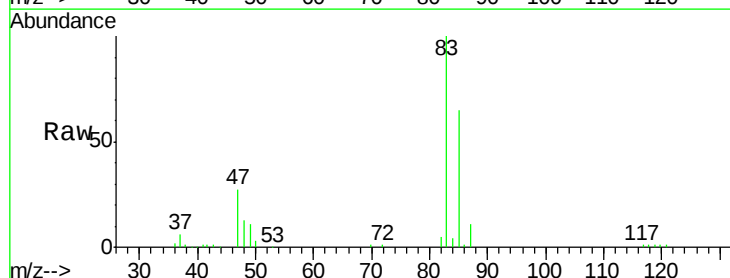
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

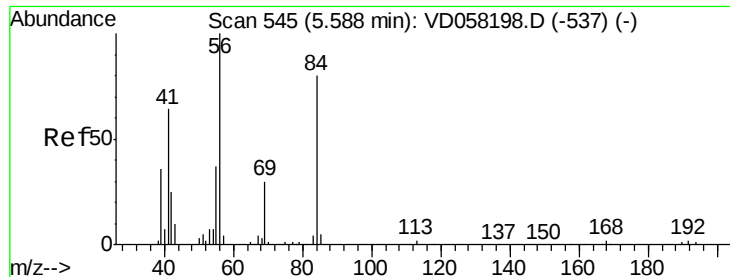
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.2	45.2
71	37.4	30.1	45.1



#30
Chloroform
Concen: 22.82 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	54.8	82.2

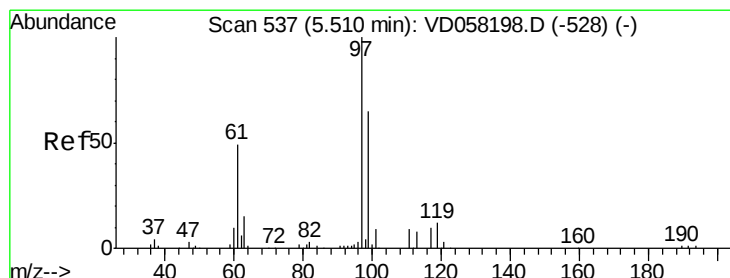
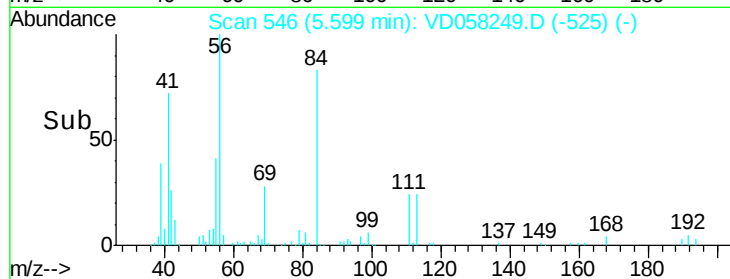
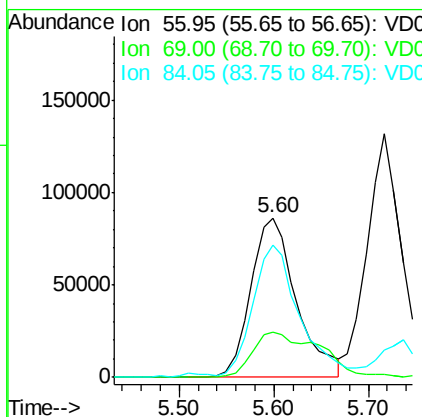
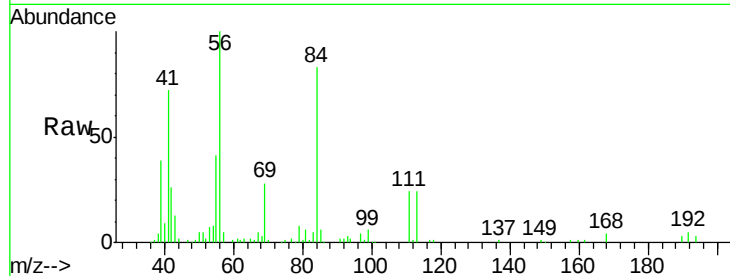




#31
Cyclohexane
Concen: 22.75 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

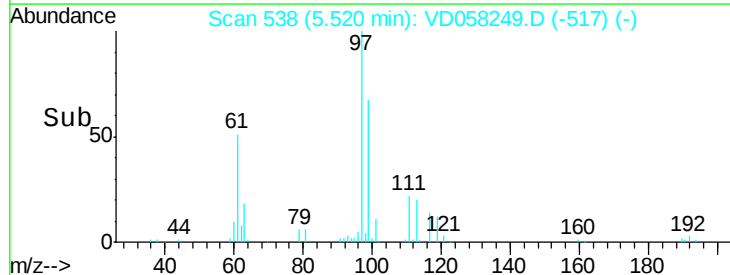
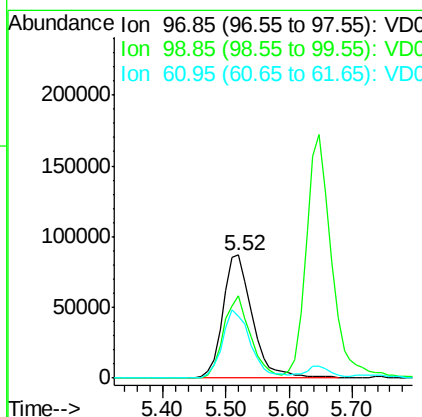
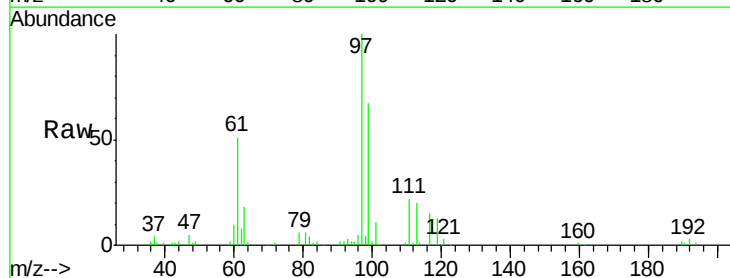
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

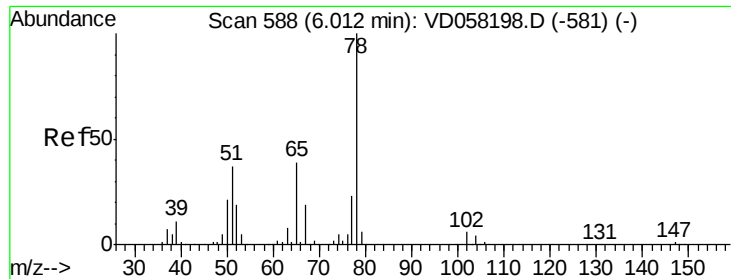
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.6	35.4
84	83.0	65.2	97.8



#32
1,1,1-Trichloroethane
Concen: 20.79 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.0	52.2	78.4
61	50.6	39.0	58.4





#33

1,2-Dichloroethane-d4

Concen: 20.79 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

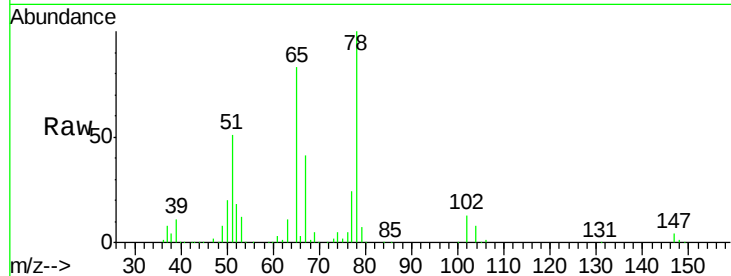
VD0621SBS01

Tot Ion: 65 Resp: 479869

Ion Ratio Lower Upper

65 100

67 49.1 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.02

200000

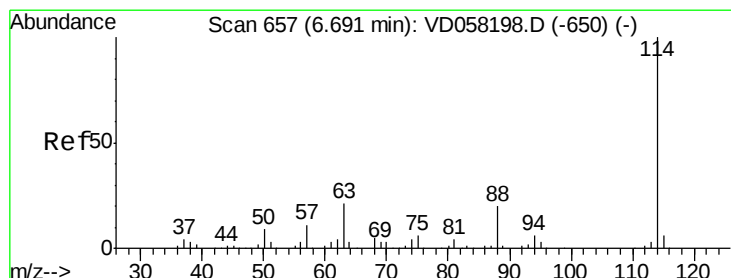
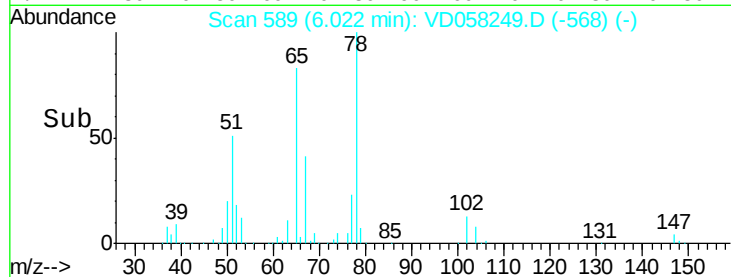
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

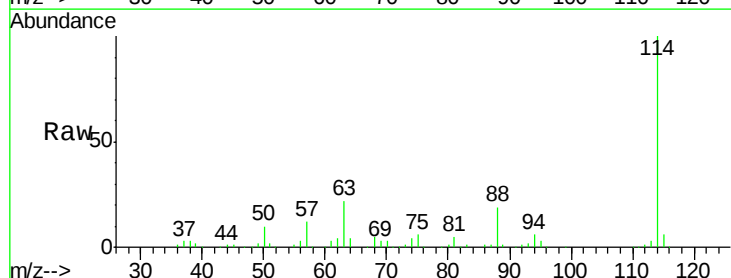
Tgt Ion: 114 Resp: 1147840

Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.6

88 18.9 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.70

500000

400000

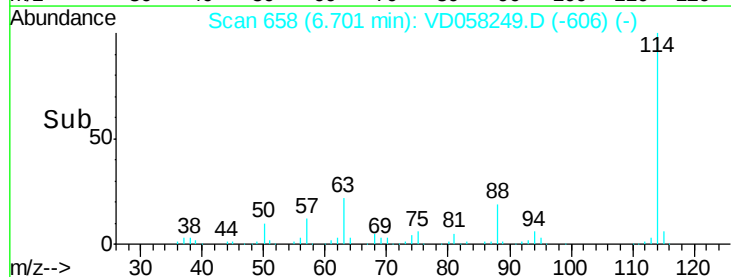
300000

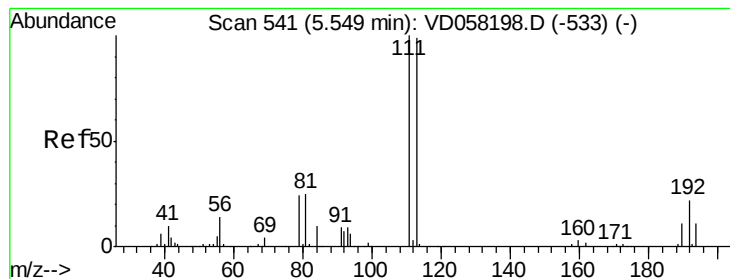
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

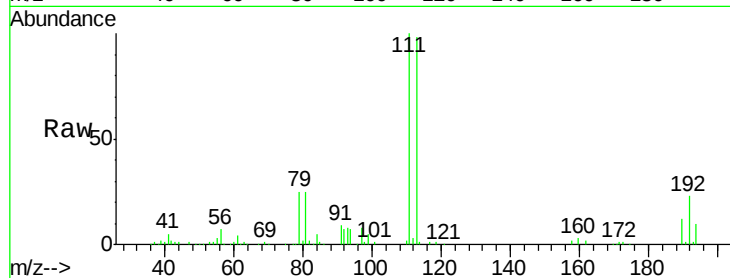
Tot Ion:113 Resp: 496111

Ion Ratio Lower Upper

113 100

111 101.9 80.6 121.0

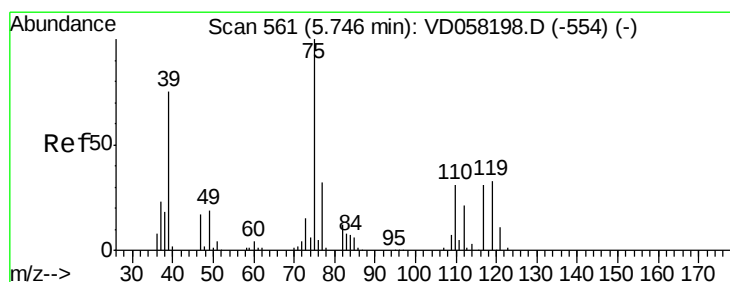
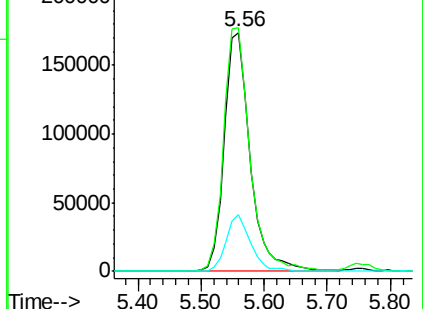
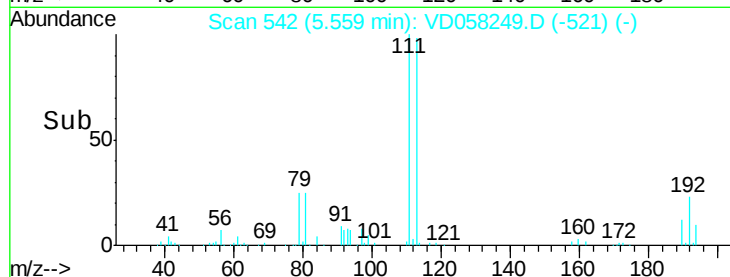
192 23.6 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 23.66 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

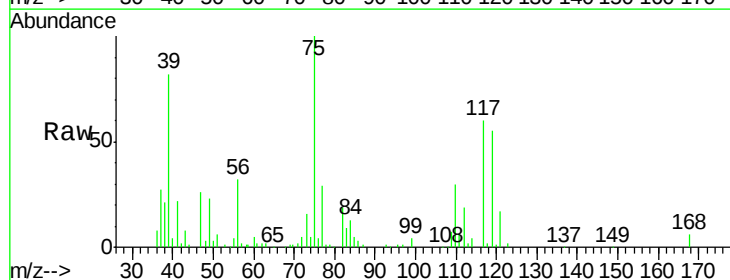
Tgt Ion: 75 Resp: 268689

Ion Ratio Lower Upper

75 100

110 29.7 15.4 46.4

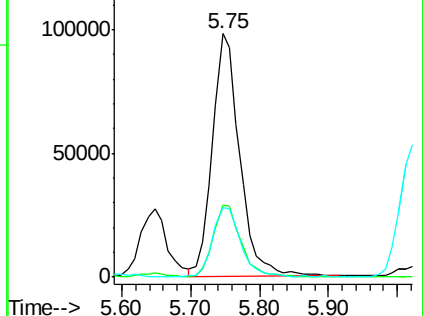
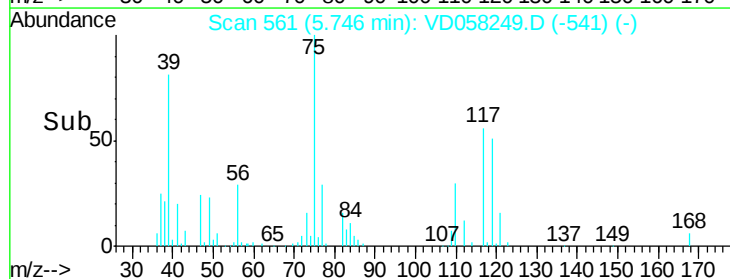
77 28.8 25.4 38.2

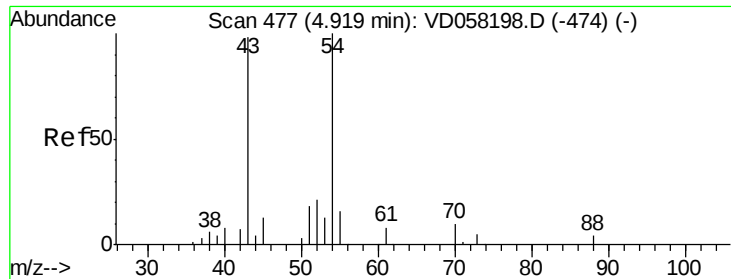


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 22.32 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

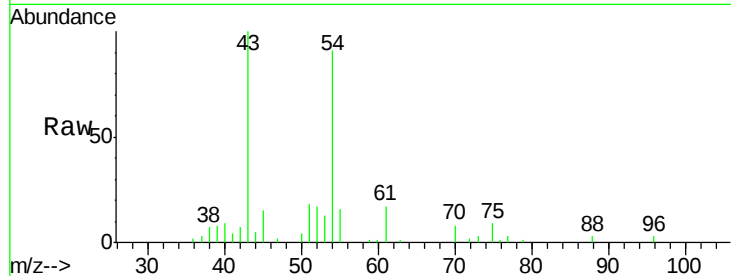
Tot Ion: 43 Resp: 144391

Ion Ratio Lower Upper

43 100

61 17.2 10.3 15.5#

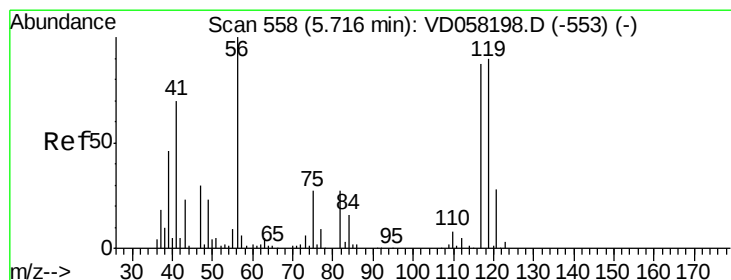
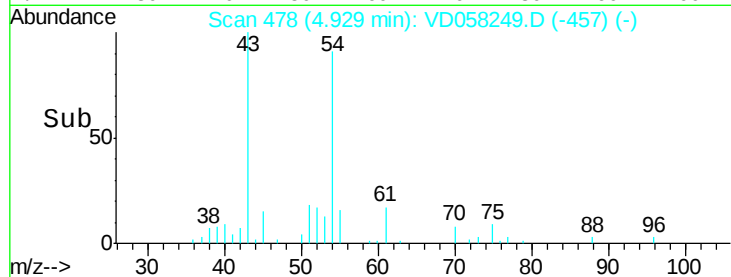
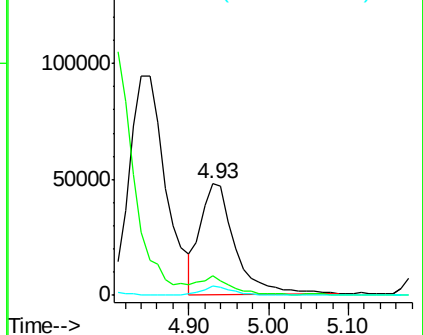
70 8.4 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 22.13 ug/l

RT: 5.74 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

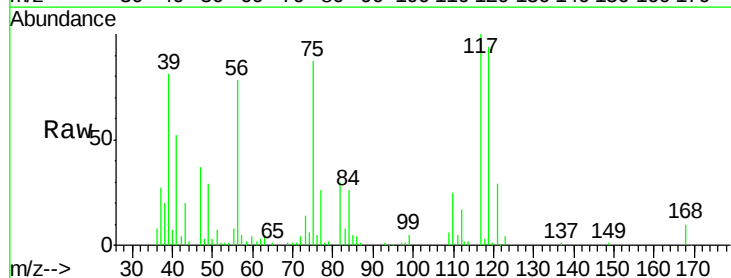
Tgt Ion: 117 Resp: 249681

Ion Ratio Lower Upper

117 100

119 94.3 78.8 118.2

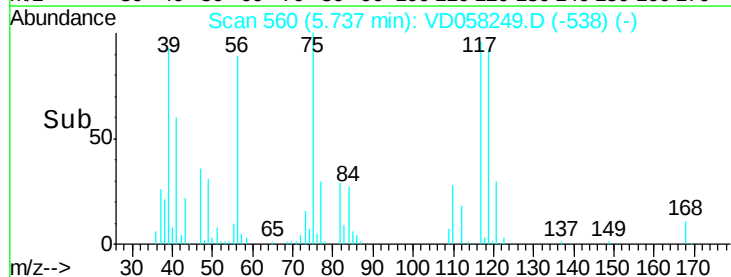
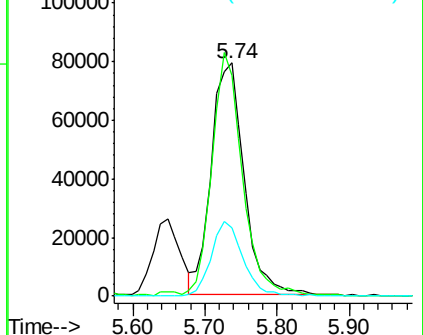
121 29.3 25.0 37.6

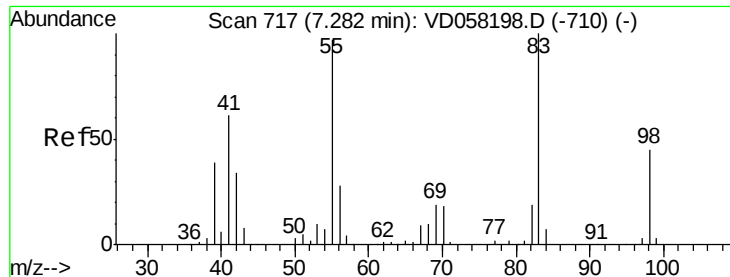


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

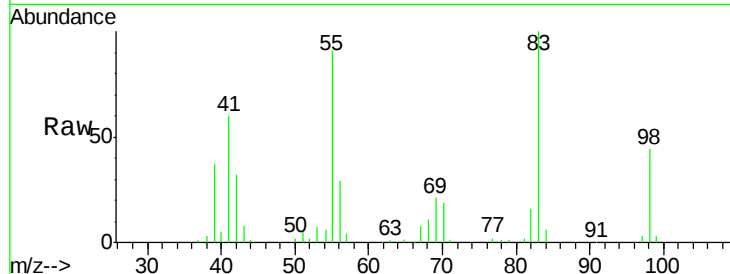




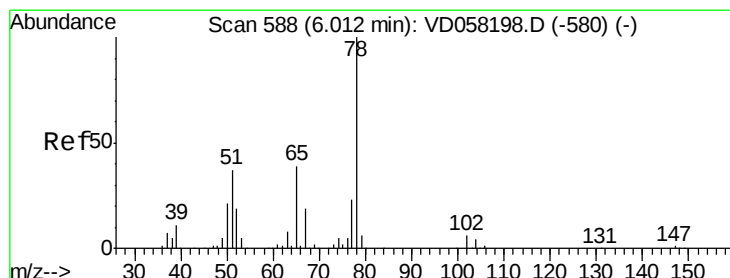
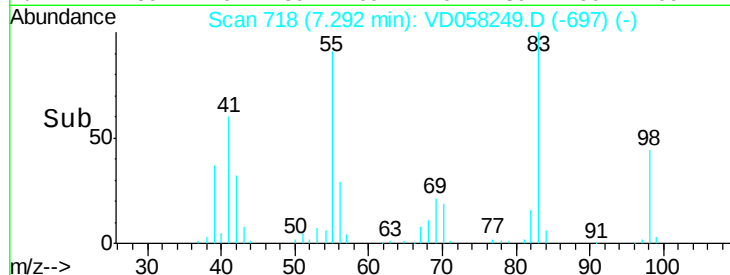
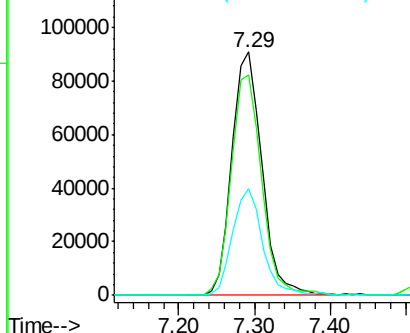
#39
Methvlcvclohexane
Concen: 22.63 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion: 83 Resp: 250269
Ion Ratio Lower Upper
83 100
55 90.6 77.4 116.2
98 43.9 35.9 53.9

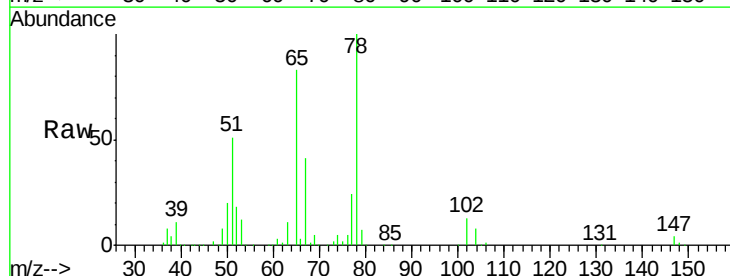


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

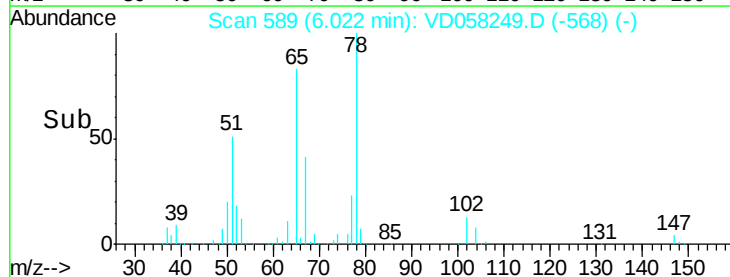
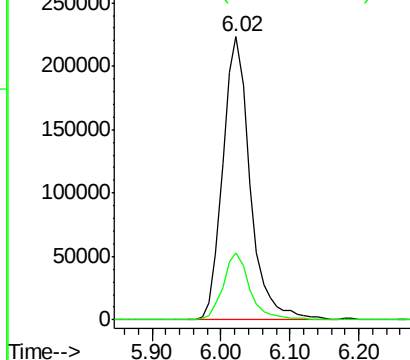


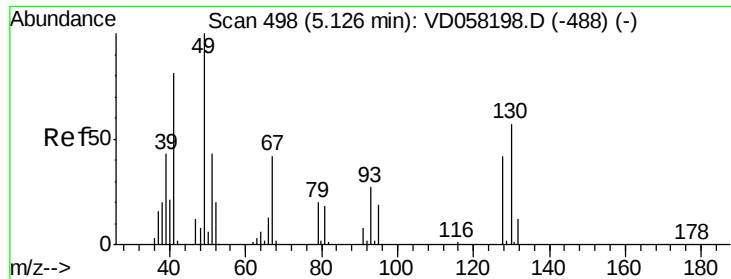
#40
Benzene
Concen: 22.69 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Tgt Ion: 78 Resp: 613727
Ion Ratio Lower Upper
78 100
77 23.9 18.5 27.7



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





#41

Methacrylonitrile

Concen: 23.62 ug/l

RT: 5.13 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

Tot Ion: 41 Resp: 73792

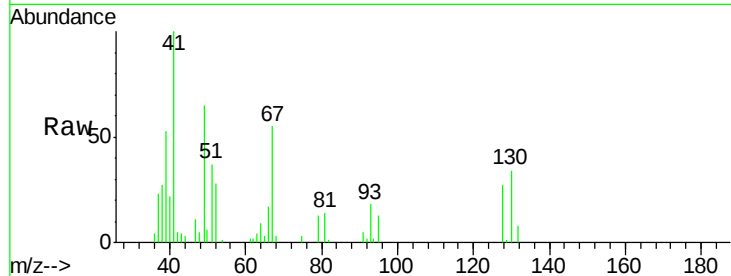
Ion Ratio Lower Upper

41 100

39 53.4 43.4 65.2

67 55.0 41.7 62.5

52 27.5 20.6 30.8

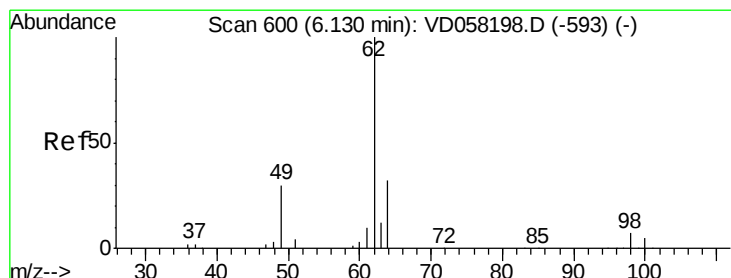
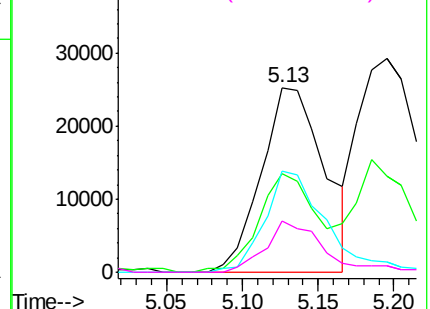
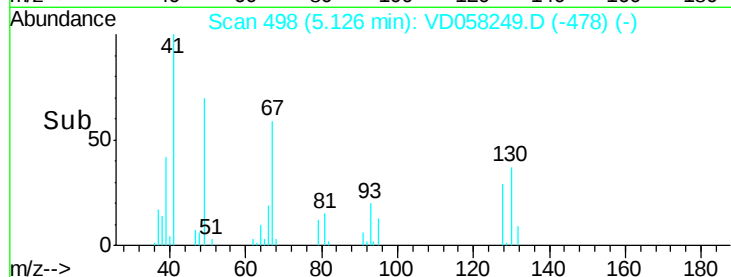


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.17 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.01 min

Lab File: VD058249.D

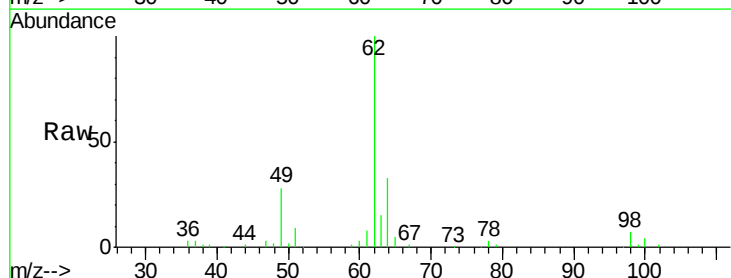
Acq: 21 Jun 2018 13:41

Tgt Ion: 62 Resp: 241832

Ion Ratio Lower Upper

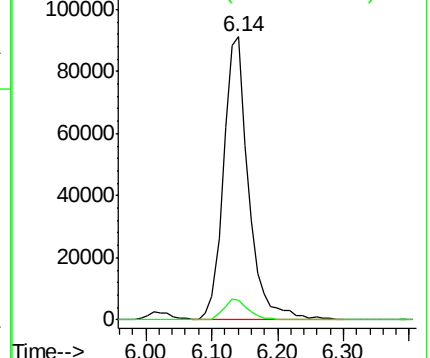
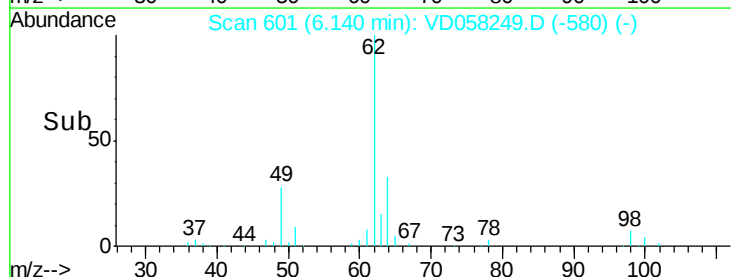
62 100

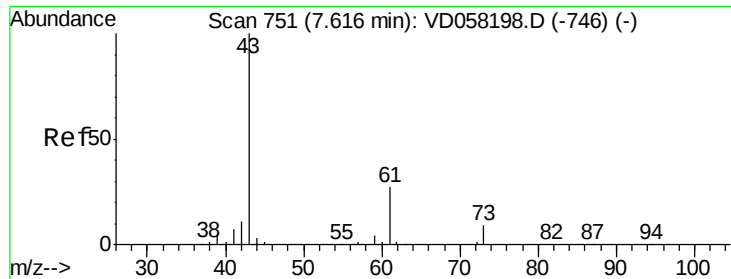
98 7.0 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



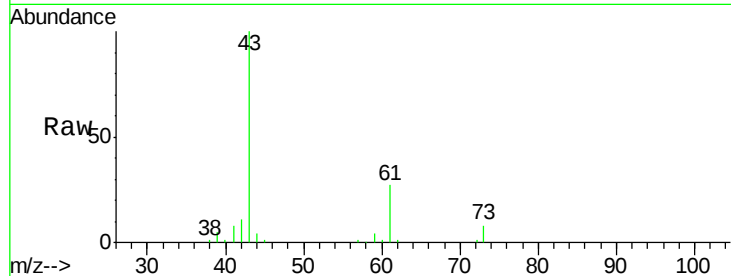


#43

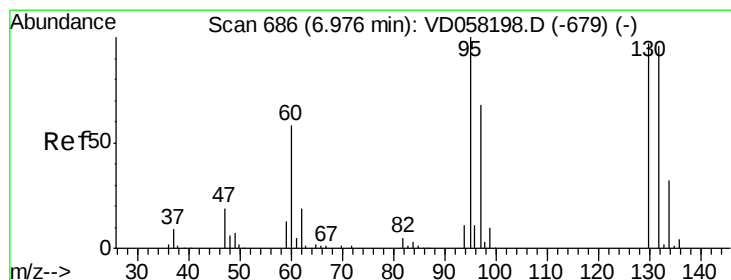
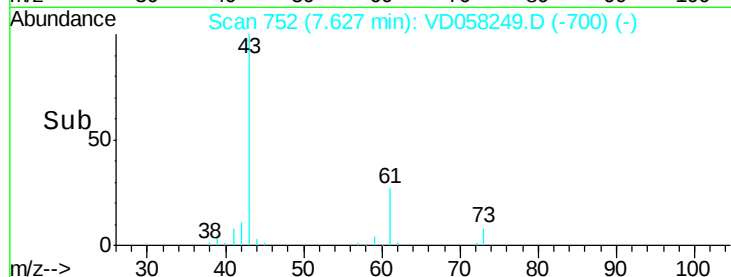
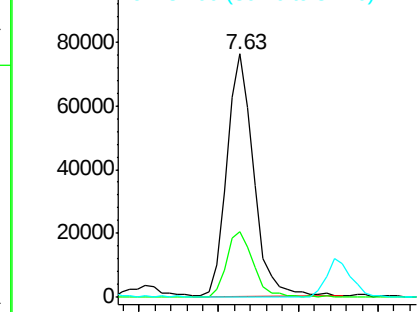
Isopropyl Acetate
 Concen: 20.81 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Tot Ion: 43 Resp: 179533
 Ion Ratio Lower Upper
 43 100
 61 27.0 21.8 32.6
 87 0.0 0.3 0.5#



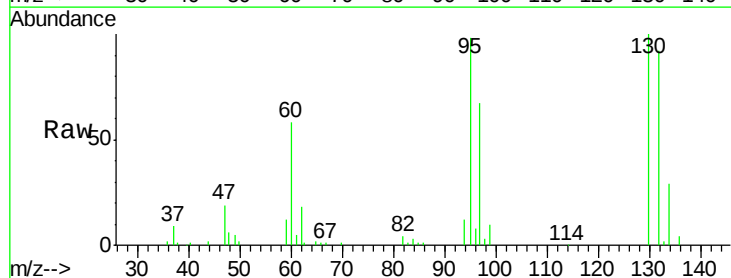
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



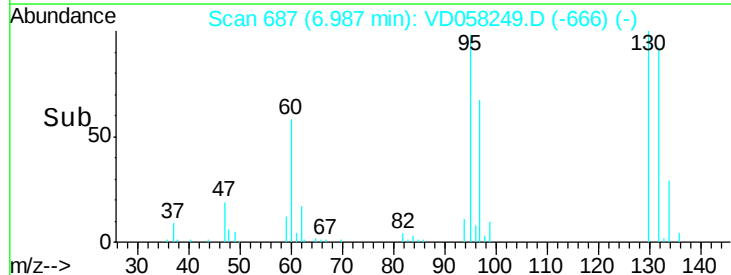
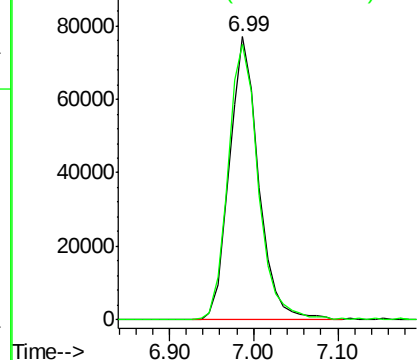
#44

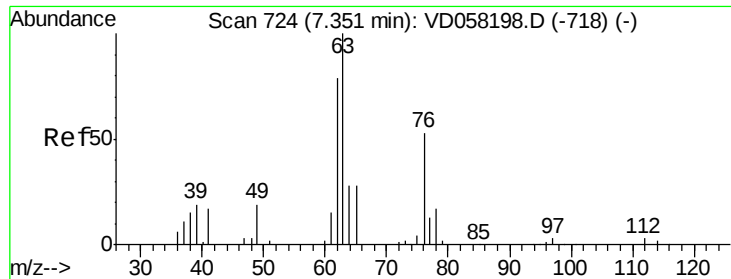
Trichloroethene
 Concen: 22.71 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Tgt Ion:130 Resp: 184449
 Ion Ratio Lower Upper
 130 100
 95 97.6 0.0 205.6



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





#45

1,2-Dichloropropane

Concen: 22.74 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

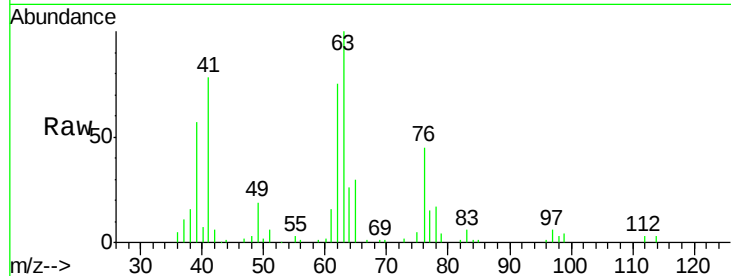
VD0621SBS01

Tot Ion: 63 Resp: 165683

Ion Ratio Lower Upper

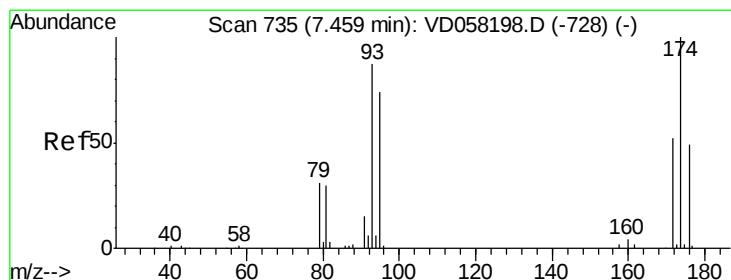
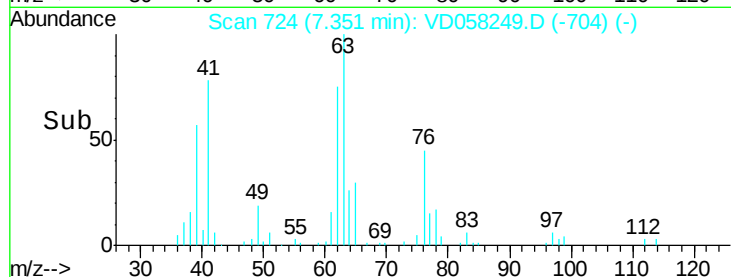
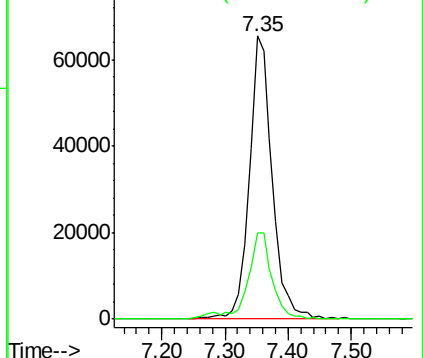
63 100

65 30.4 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.56 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

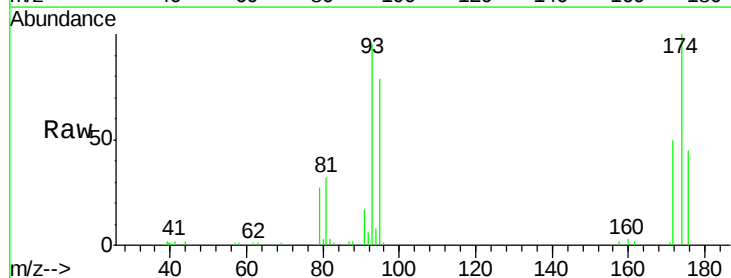
Tgt Ion: 93 Resp: 112169

Ion Ratio Lower Upper

93 100

95 82.5 67.8 101.6

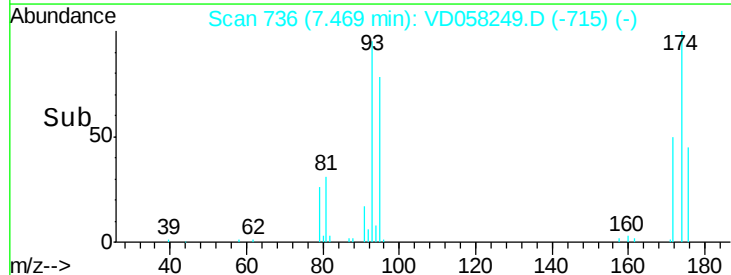
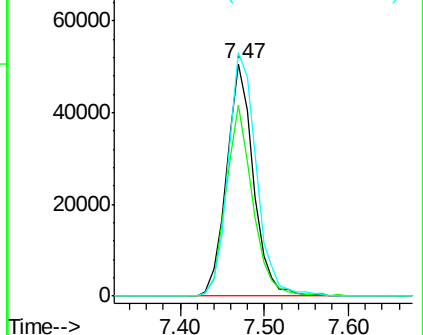
174 104.8 92.2 138.2

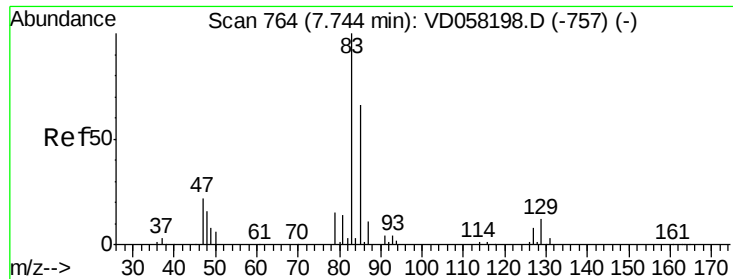


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.23 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

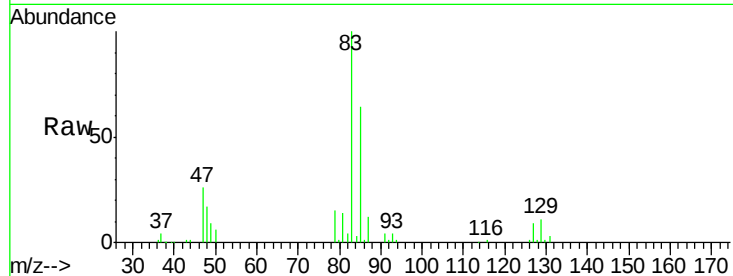
Tot Ion: 83 Resp: 252140

Ion Ratio Lower Upper

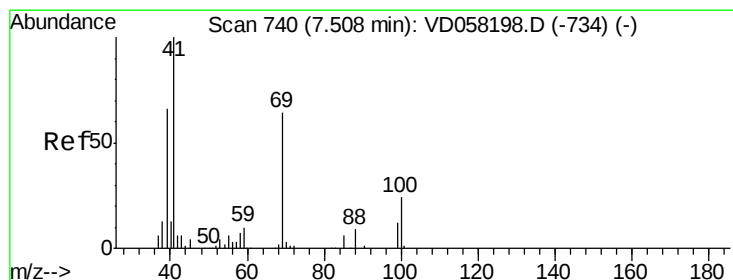
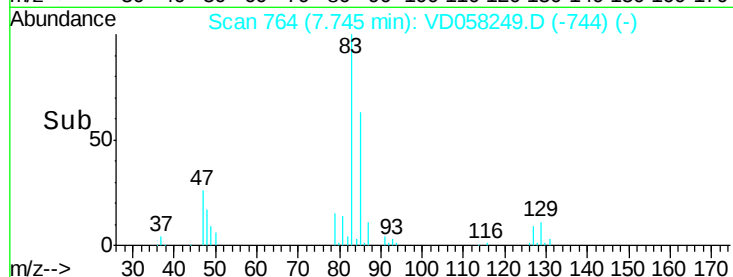
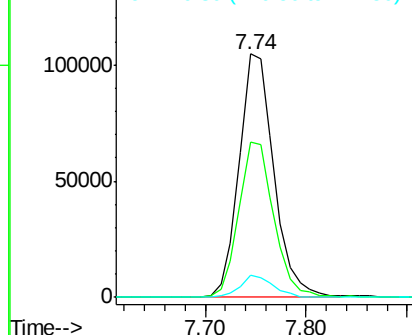
83 100

85 63.8 52.6 78.8

127 9.4 6.2 9.4



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



#48

Methyl methacrylate

Concen: 20.22 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

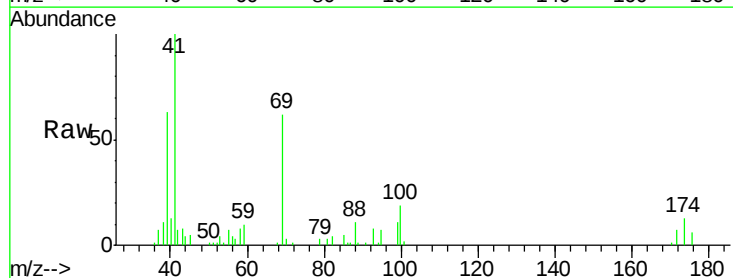
Tgt Ion: 41 Resp: 106011

Ion Ratio Lower Upper

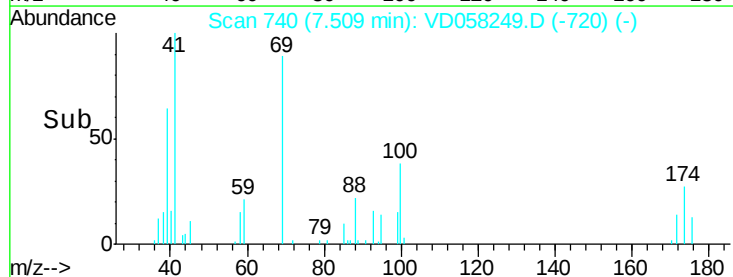
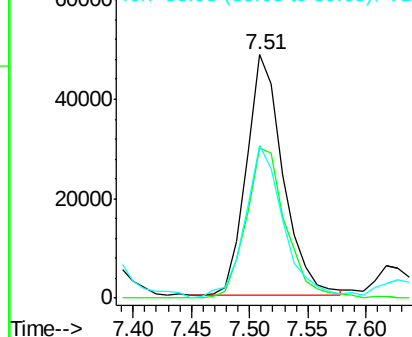
41 100

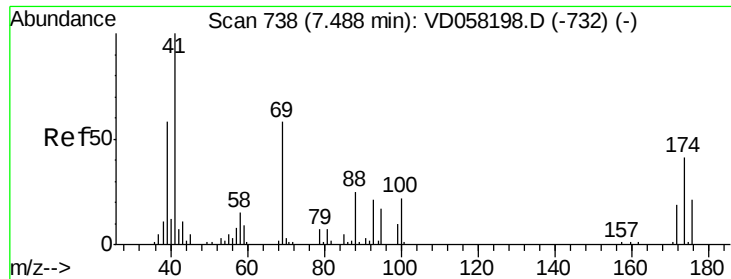
69 61.8 50.7 76.1

39 62.7 52.6 78.8



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

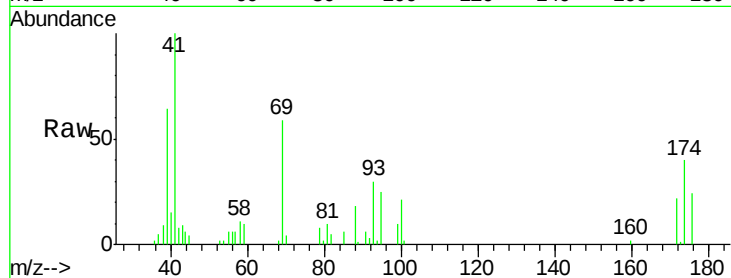




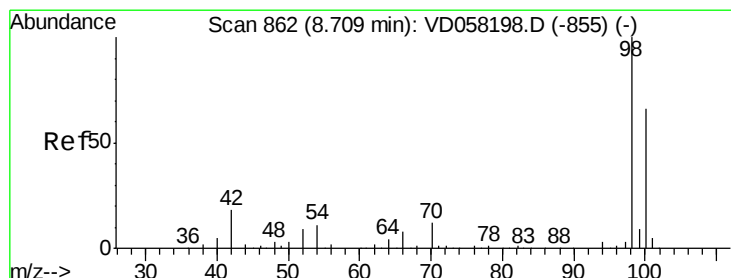
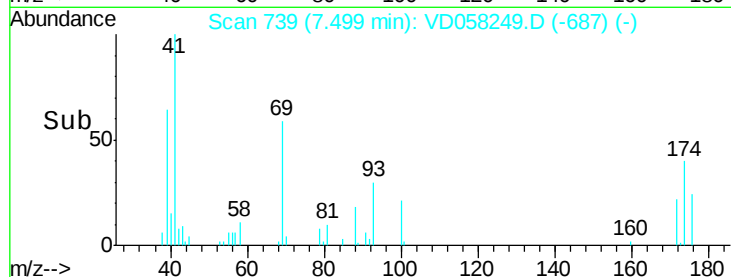
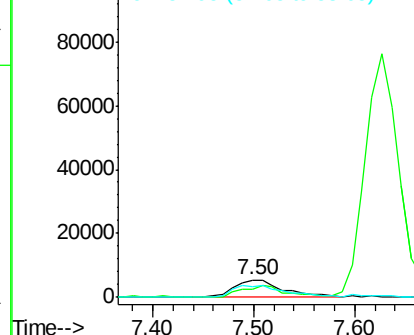
#49
 1,4-Dioxane
 Concen: 386.13 ug/l
 RT: 7.50 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Tot Ion: 88 Resp: 18272
 Ion Ratio Lower Upper
 88 100
 43 47.8 34.2 51.2
 58 60.0 47.9 71.9

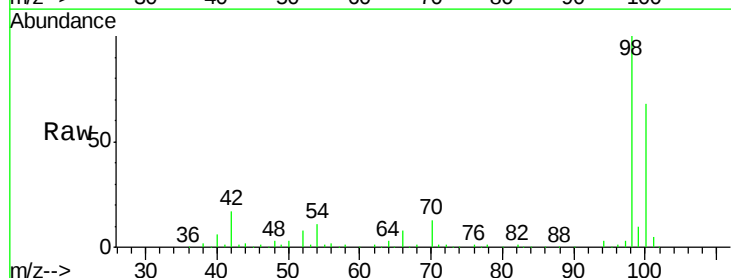


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

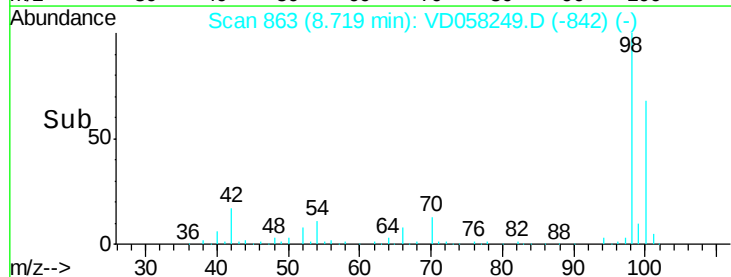
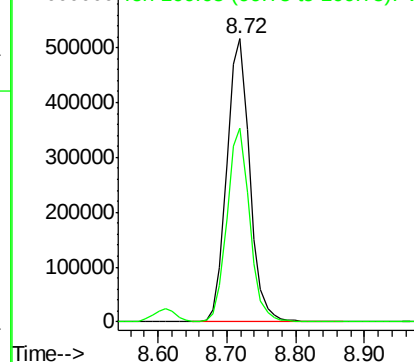


#50
 Toluene-d8
 Concen: 386.13 ug/l
 RT: 8.72 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Tgt Ion: 98 Resp: 1193163
 Ion Ratio Lower Upper
 98 100
 100 68.3 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 108.54 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

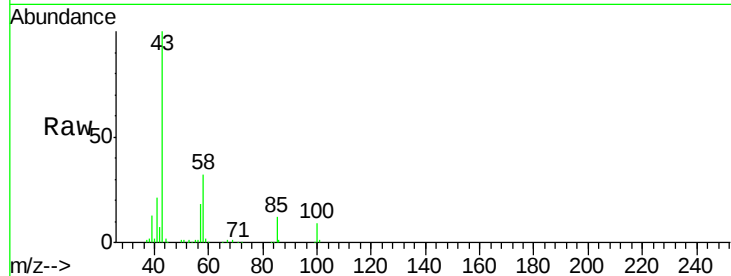
VD0621SBS01

Tot Ion: 43 Resp: 610689

Ion Ratio Lower Upper

43 100

58 32.1 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

250000

200000

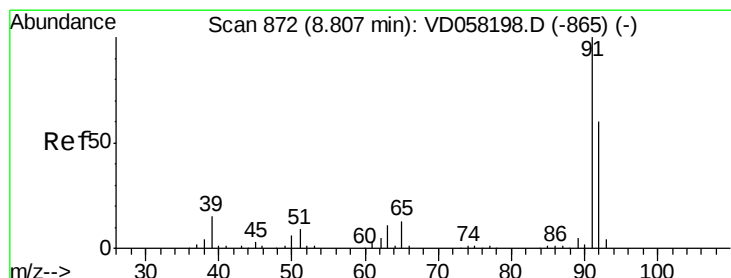
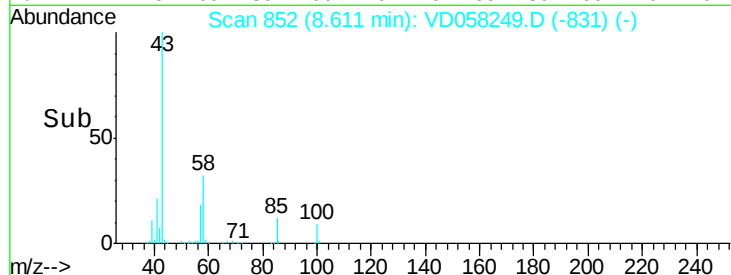
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.55 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058249.D

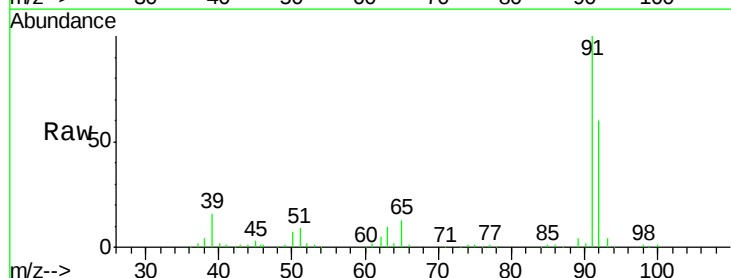
Acq: 21 Jun 2018 13:41

Tgt Ion: 92 Resp: 347321

Ion Ratio Lower Upper

92 100

91 165.9 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

300000

250000

200000

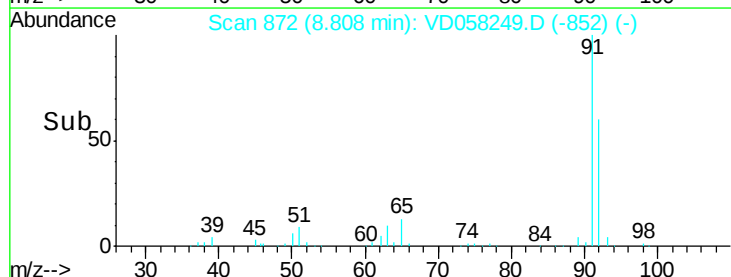
150000

100000

50000

0

Time-->

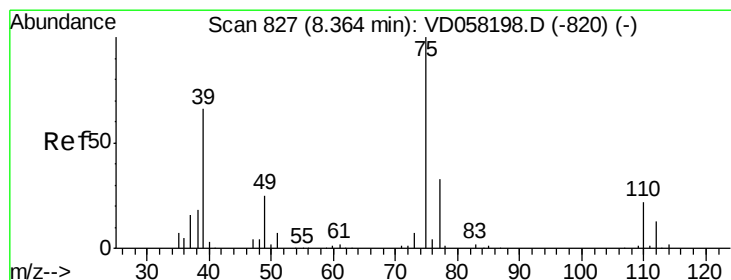
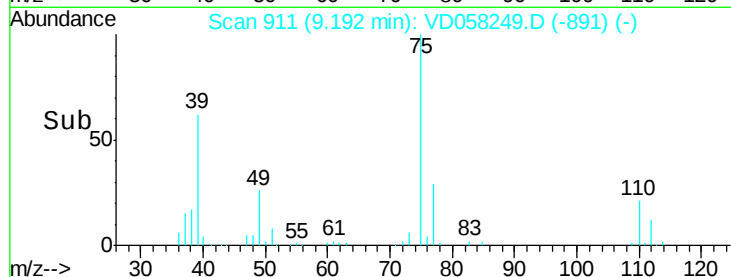
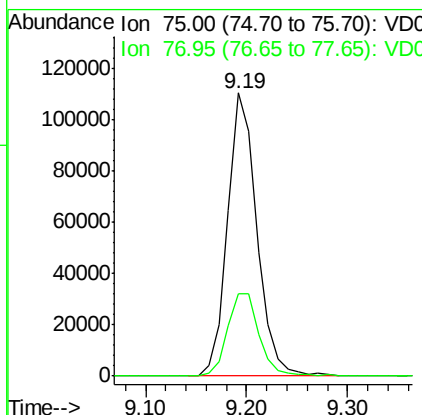
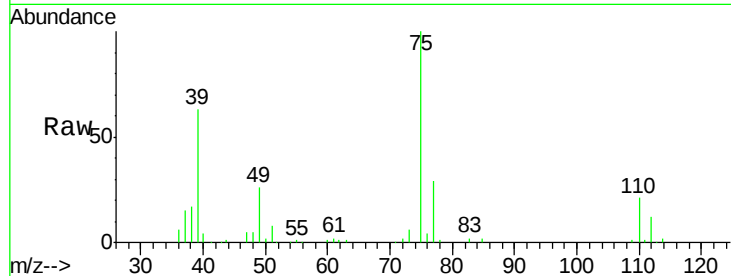




#53
 t-1,3-Dichloropropene
 Concen: 22.55 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

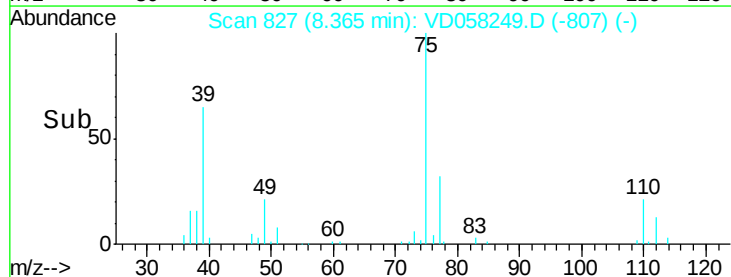
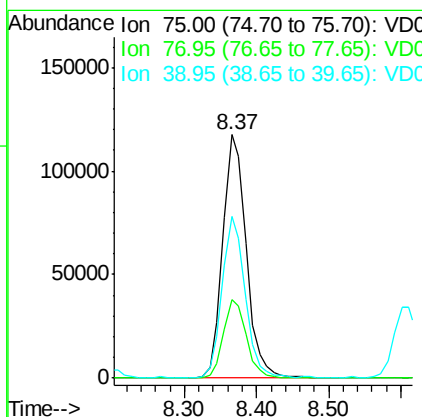
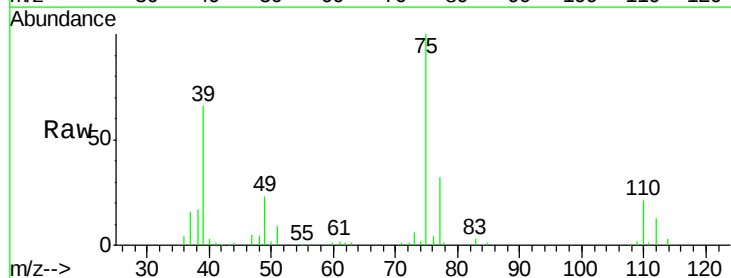
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

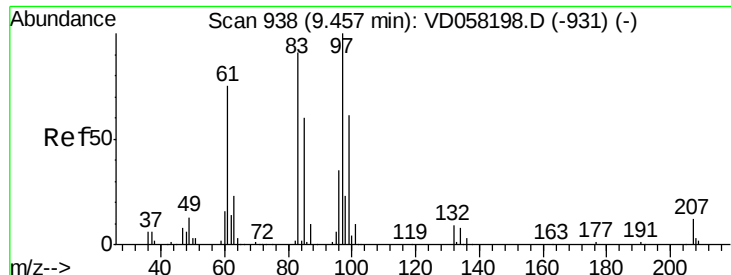
Tot Ion: 75 Resp: 222378
 Ion Ratio Lower Upper
 75 100
 77 29.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 23.02 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Tgt Ion: 75 Resp: 266072
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.5 39.7
 39 66.3 52.9 79.3

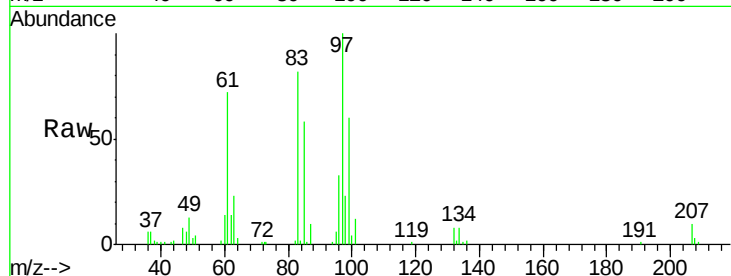




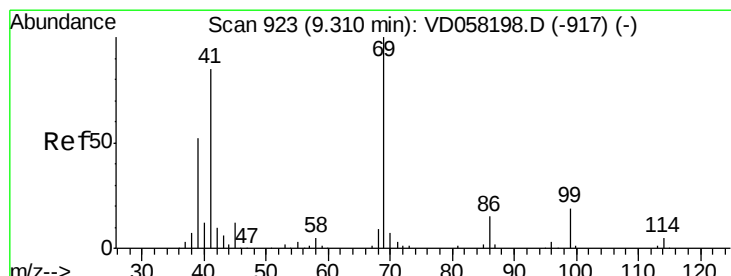
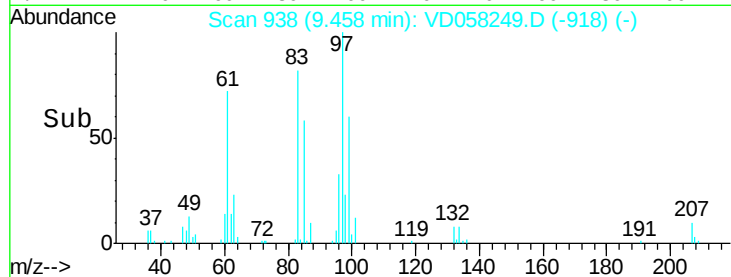
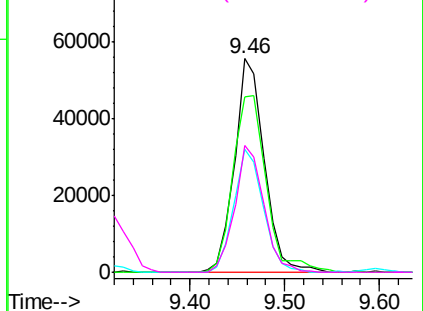
#55
 1,1,2-Trichloroethane
 Concen: 22.14 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Tot Ion:	97	Resp:	120664
Ion	Ratio	Lower	Upper
97	100		
83	82.3	72.9	109.3
85	57.8	48.2	72.4
99	59.5	48.9	73.3

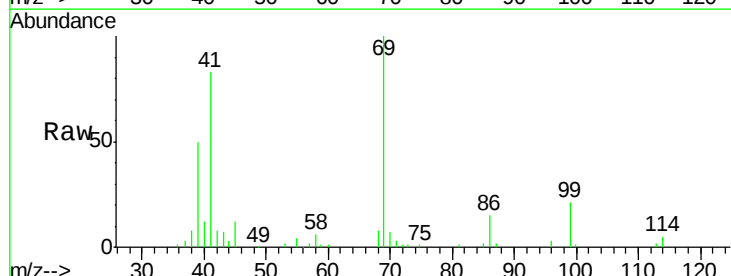


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

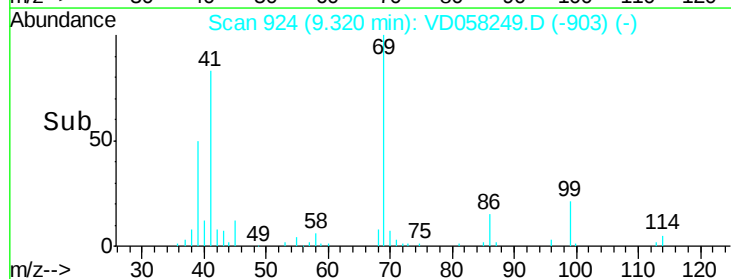
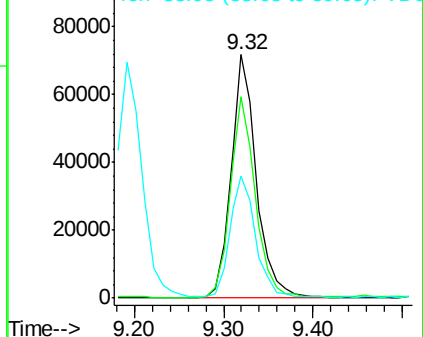


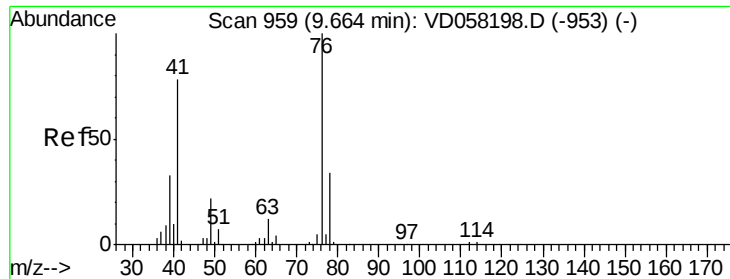
#56
 Ethyl methacrylate
 Concen: 21.84 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Tgt Ion:	69	Resp:	142339
Ion	Ratio	Lower	Upper
69	100		
41	82.6	67.6	101.4
39	49.9	42.2	63.2



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





#57

1,3-Dichloropropane

Concen: 22.09 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

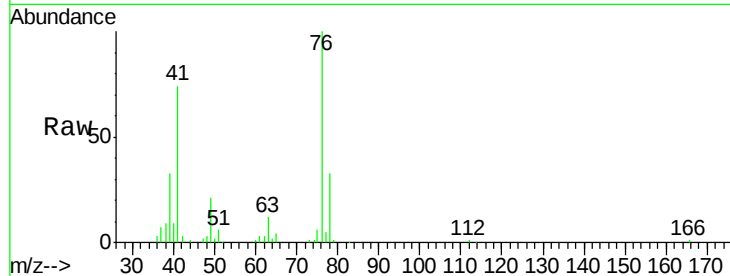
VD0621SBS01

Tot Ion: 76 Resp: 202793

Ion Ratio Lower Upper

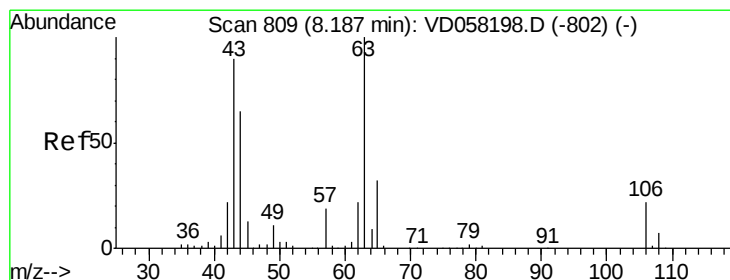
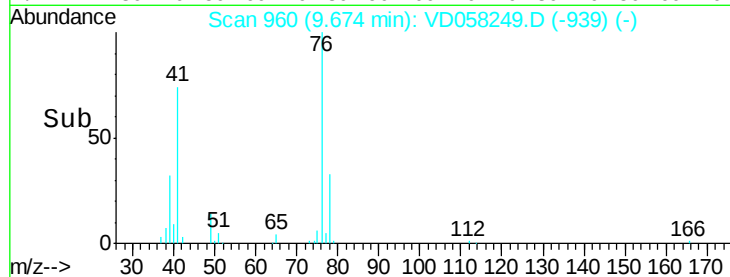
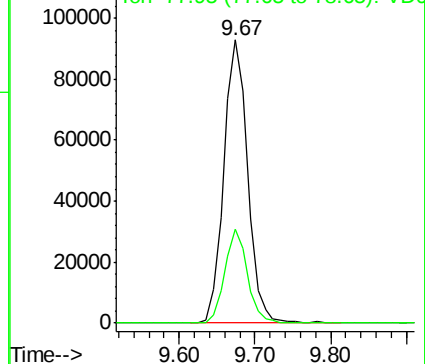
76 100

78 33.1 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 119.92 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058249.D

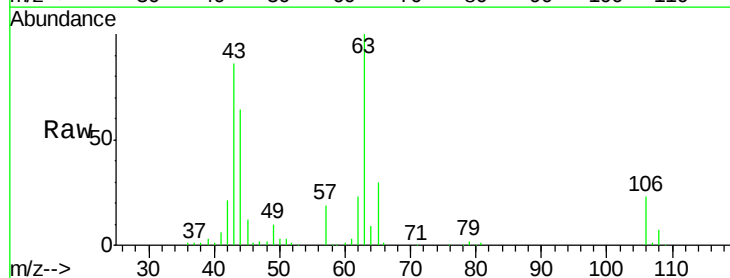
Acq: 21 Jun 2018 13:41

Tgt Ion: 63 Resp: 386881

Ion Ratio Lower Upper

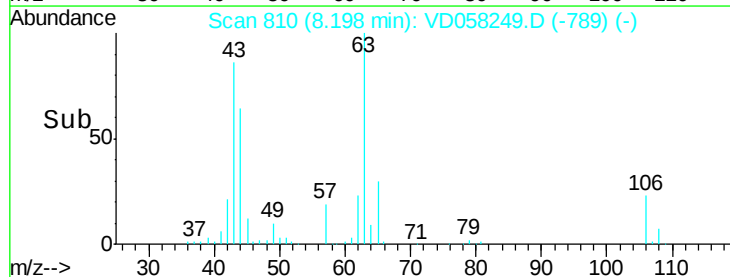
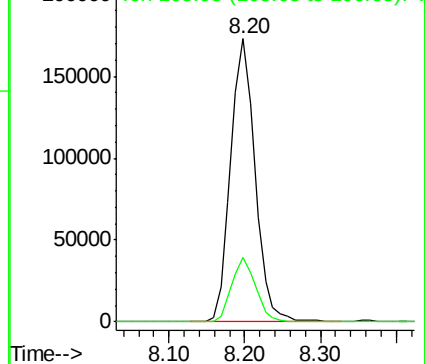
63 100

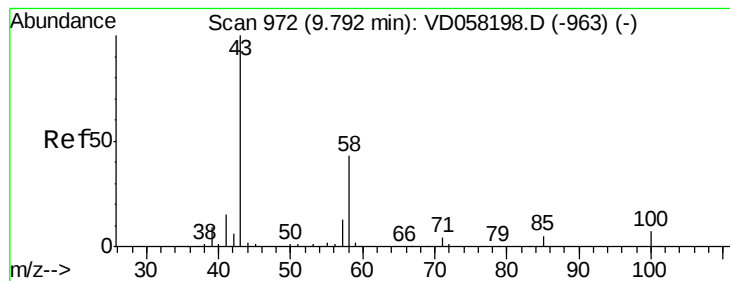
106 22.9 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 116.25 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

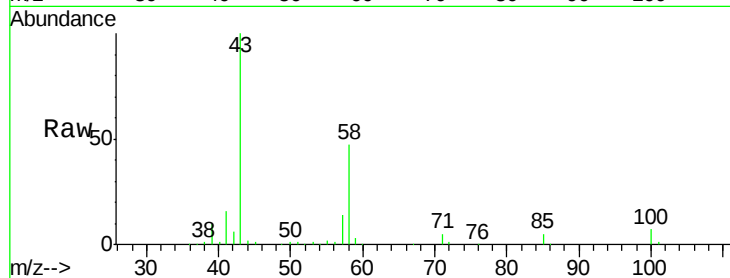
VD0621SBS01

Tot Ion: 43 Resp: 472599

Ion Ratio Lower Upper

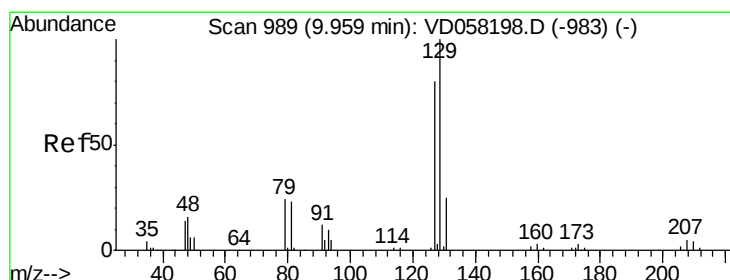
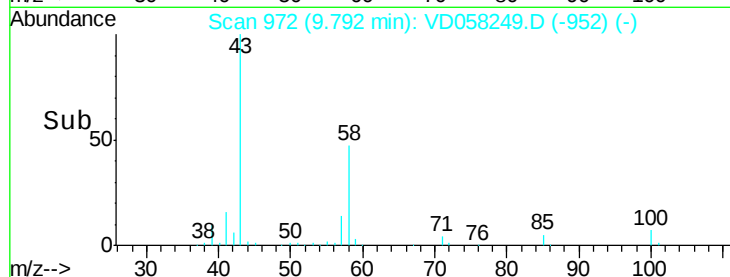
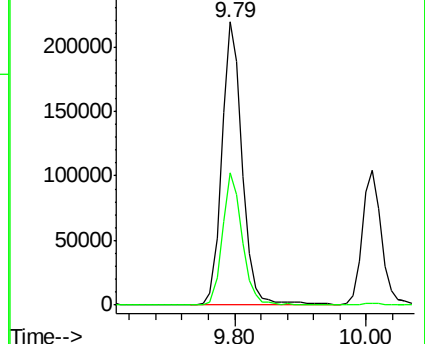
43 100

58 46.7 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.96 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058249.D

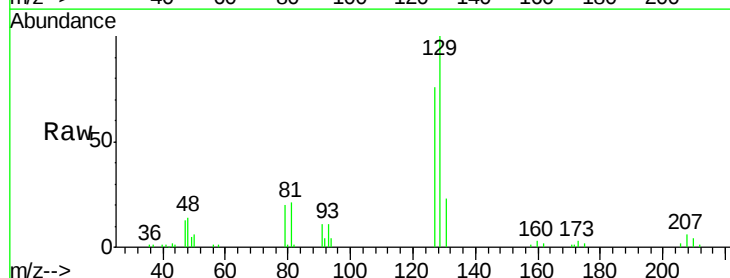
Acq: 21 Jun 2018 13:41

Tgt Ion:129 Resp: 162368

Ion Ratio Lower Upper

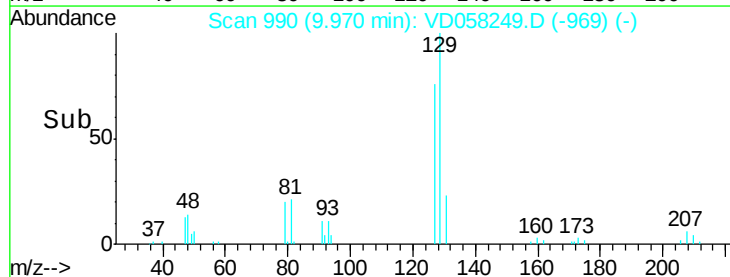
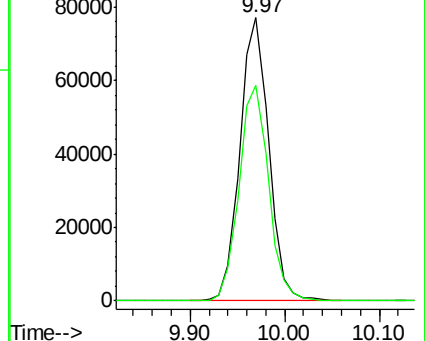
129 100

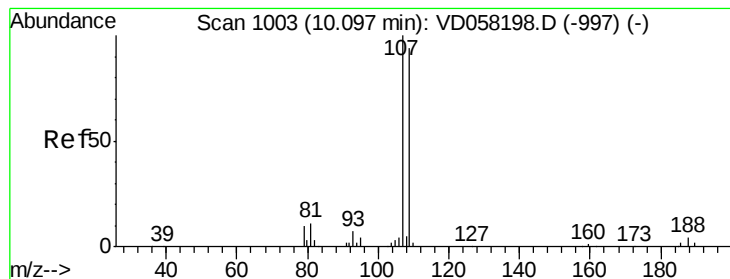
127 76.0 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 21.23 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

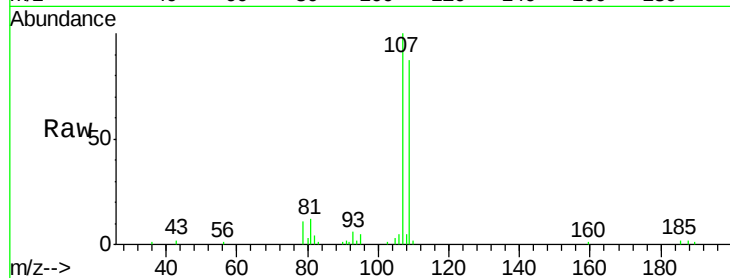
VD0621SBS01

Tot Ion:107 Resp: 126599

Ion Ratio Lower Upper

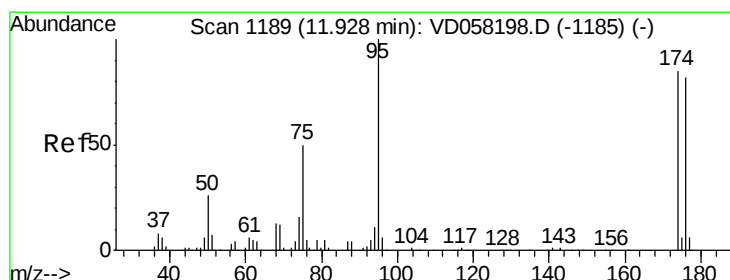
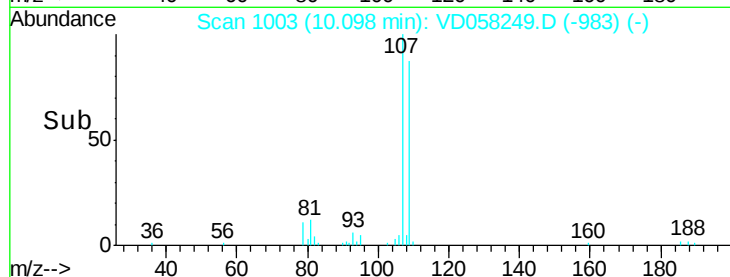
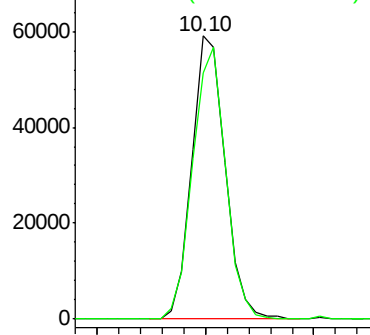
107 100

109 87.2 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.23 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

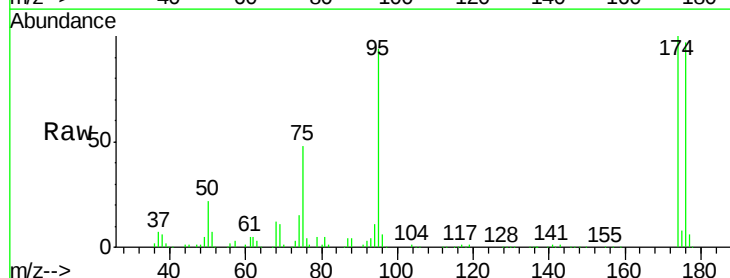
Tgt Ion: 95 Resp: 478253

Ion Ratio Lower Upper

95 100

174 106.1 0.0 170.2

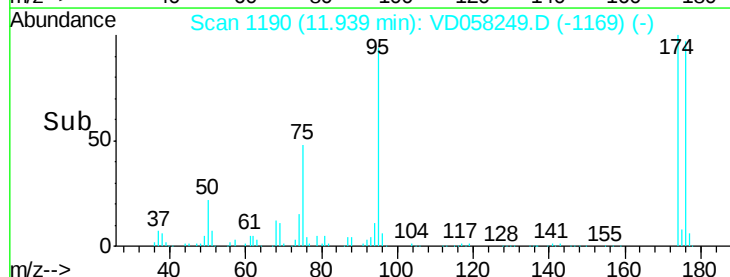
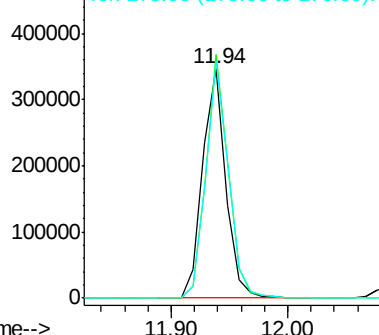
176 103.4 0.0 164.6

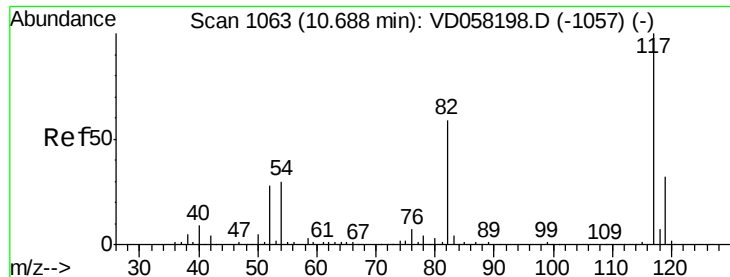


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

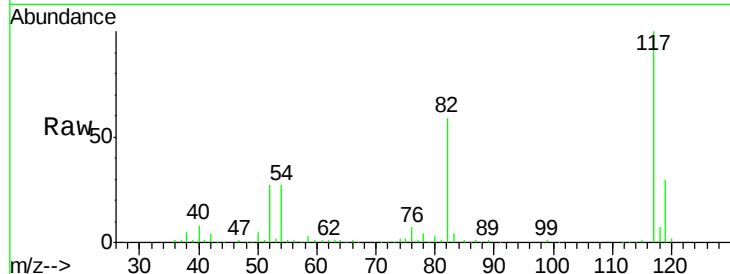




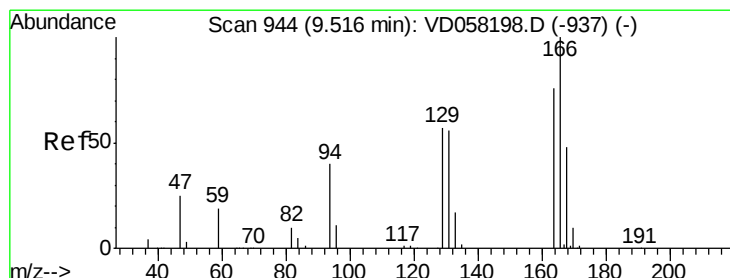
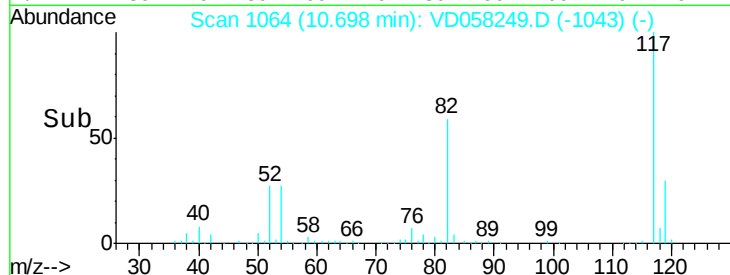
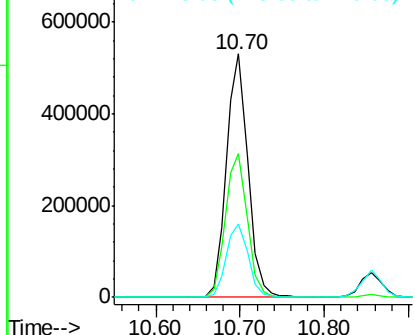
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion:117 Resp: 937857
Ion Ratio Lower Upper
117 100
82 59.1 47.0 70.6
119 30.4 25.3 37.9



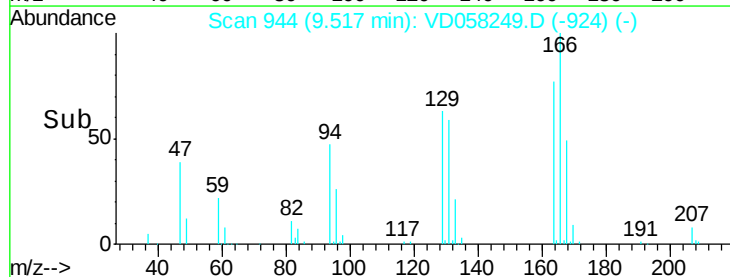
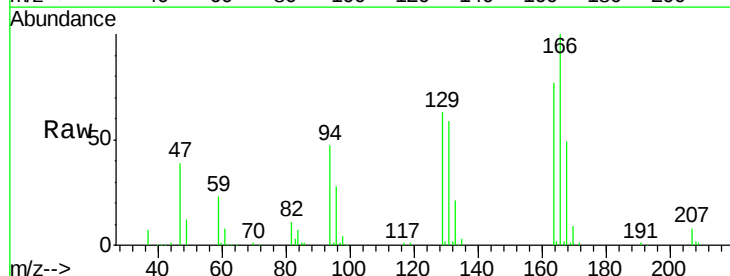
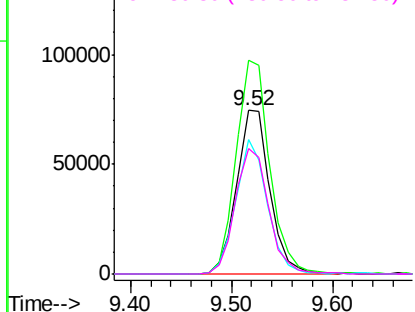
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

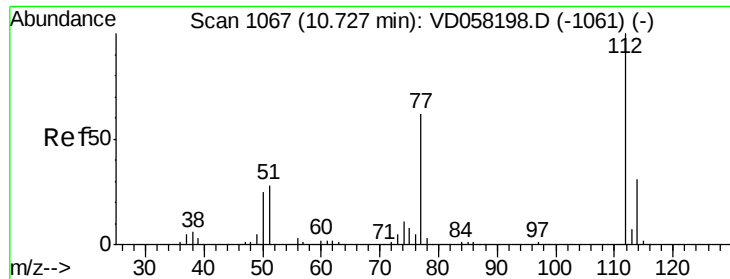


#64
Tetrachloroethene
Concen: 21.65 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Tgt Ion:164 Resp: 170857
Ion Ratio Lower Upper
164 100
166 130.5 105.4 158.0
129 82.3 59.6 89.4
131 76.4 59.4 89.2

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

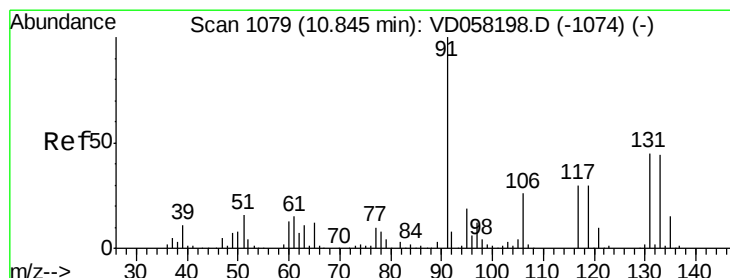
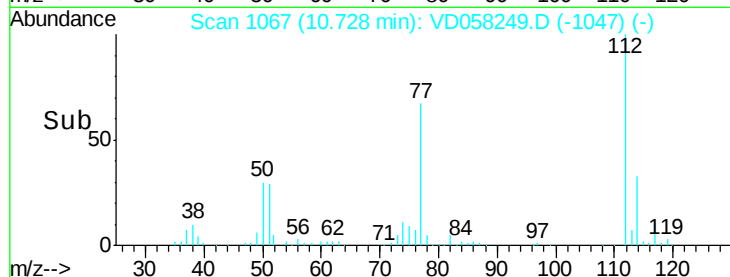
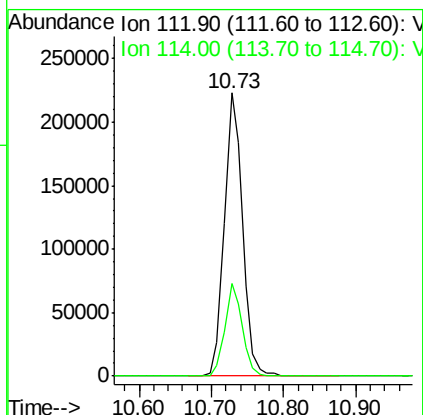
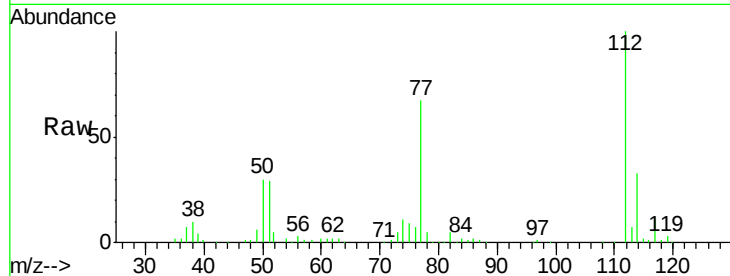




#65
Chlorobenzene
Concen: 22.17 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

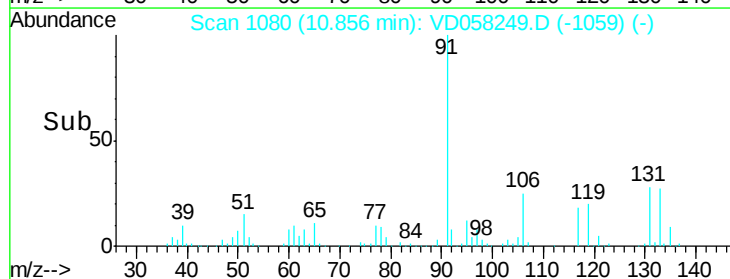
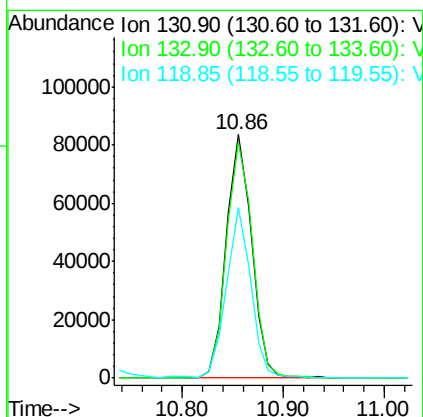
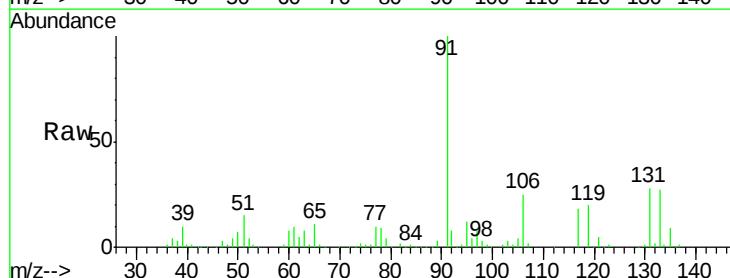
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion:112 Resp: 388972
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.63 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Tgt Ion:131 Resp: 146455
Ion Ratio Lower Upper
131 100
133 96.6 48.6 145.9
119 70.2 33.0 99.0

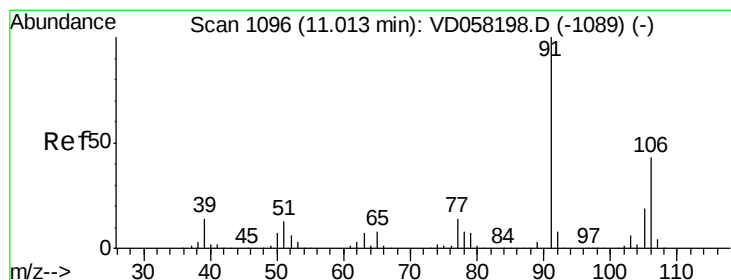
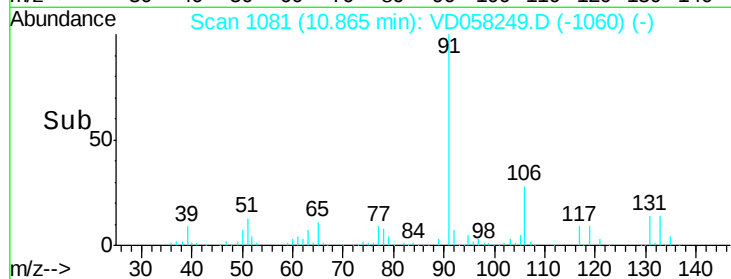
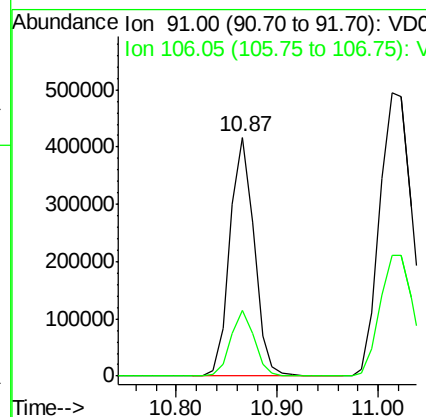
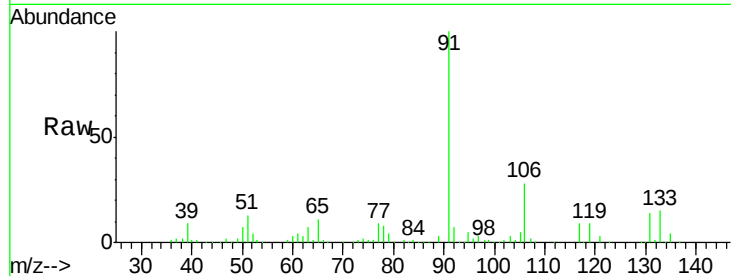




#67
Ethyl Benzene
Concen: 22.47 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

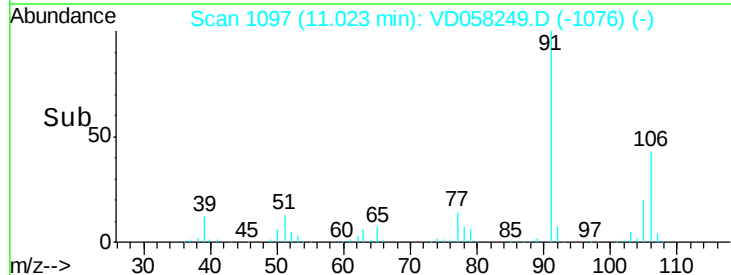
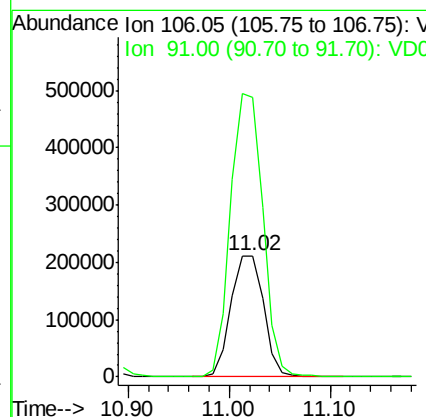
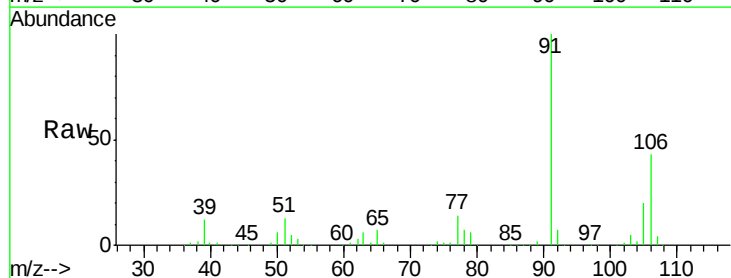
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

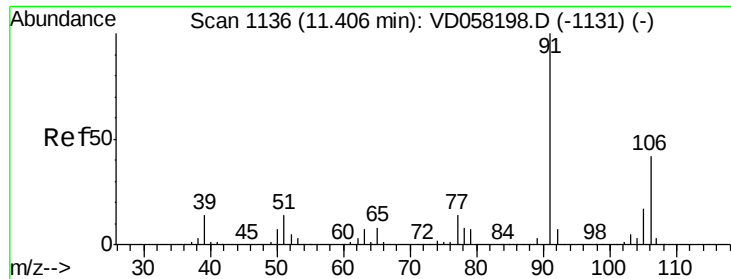
Tot Ion: 91 Resp: 695848
Ion Ratio Lower Upper
91 100
106 27.7 22.0 33.0



#68
m/p-Xylenes
Concen: 46.35 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Tgt Ion: 106 Resp: 478697
Ion Ratio Lower Upper
106 100
91 230.5 185.0 277.6

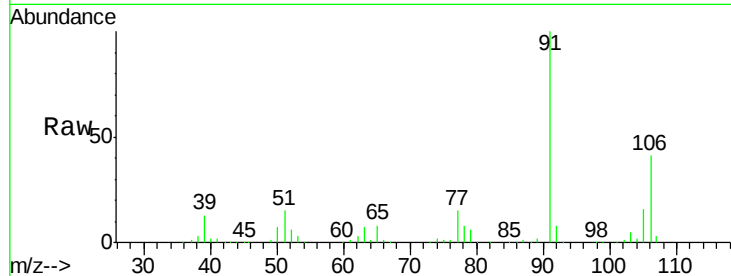




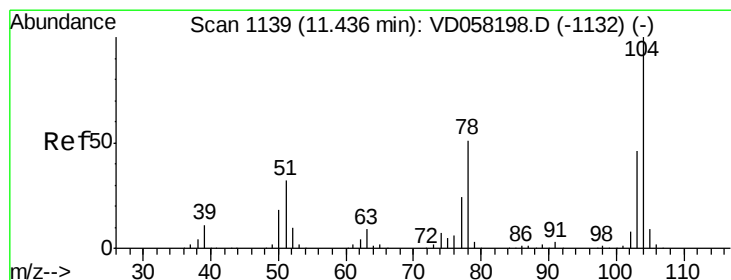
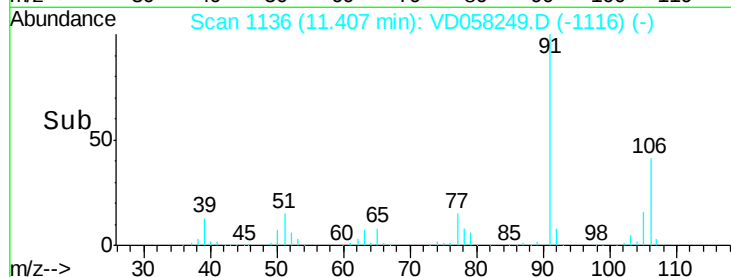
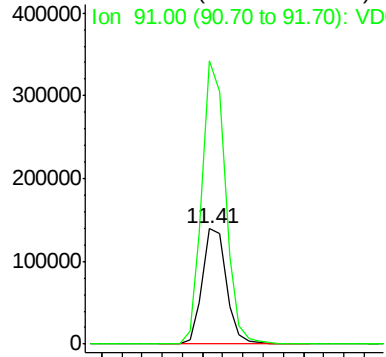
#69
o-Xylene
Concen: 23.62 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion:106 Resp: 233033
Ion Ratio Lower Upper
106 100
91 245.4 120.2 360.6

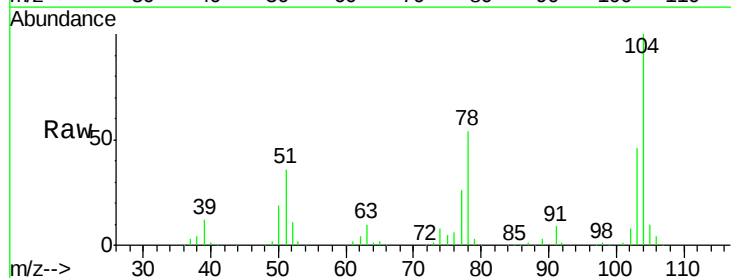


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

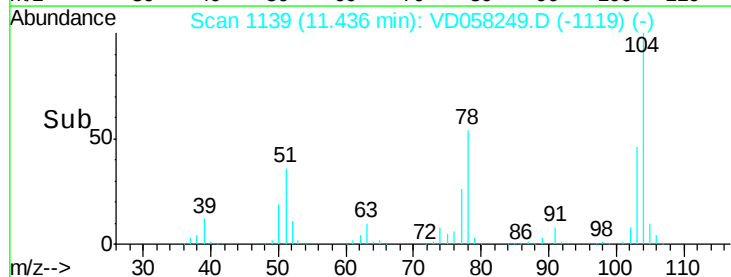
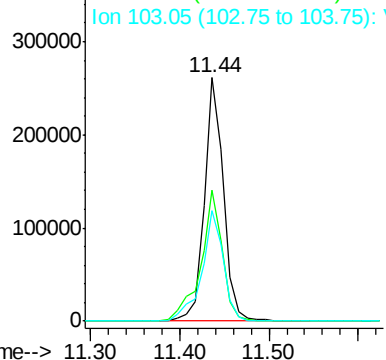


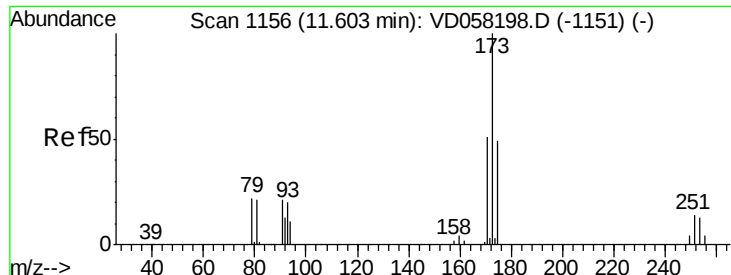
#70
Styrene
Concen: 23.36 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Tgt Ion:104 Resp: 393217
Ion Ratio Lower Upper
104 100
78 53.8 40.8 61.2
103 45.6 37.0 55.6



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





#71

Bromoform

Concen: 20.72 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

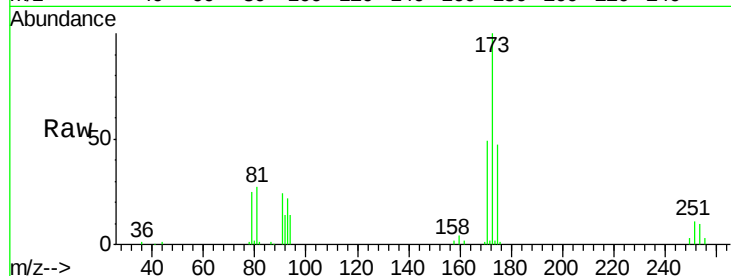
Tot Ion:173 Resp: 111894

Ion Ratio Lower Upper

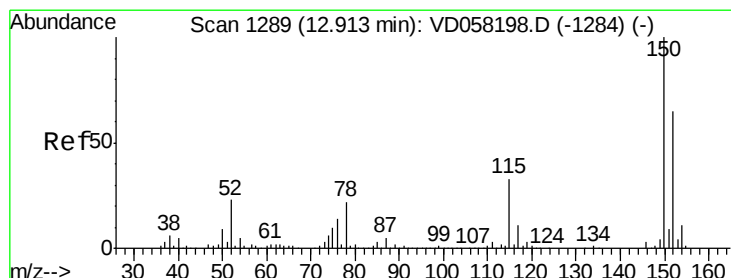
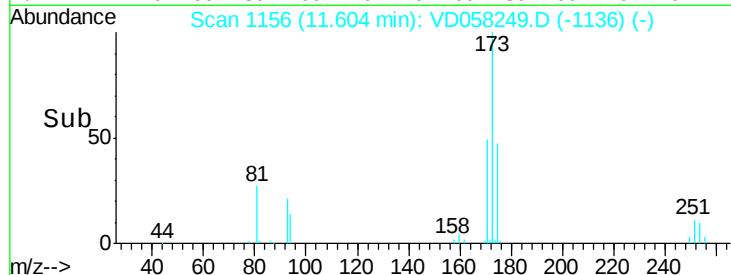
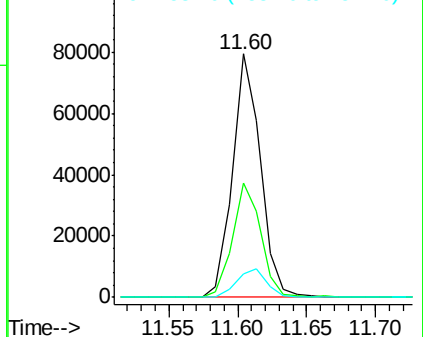
173 100

175 47.2 24.6 74.0

254 9.7 10.3 15.5#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

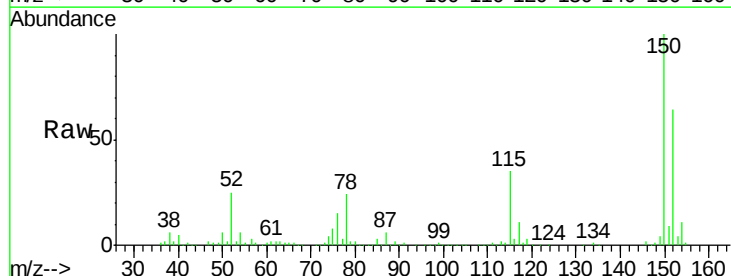
Tgt Ion:152 Resp: 514343

Ion Ratio Lower Upper

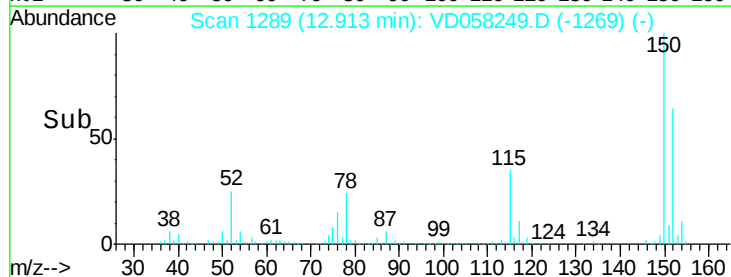
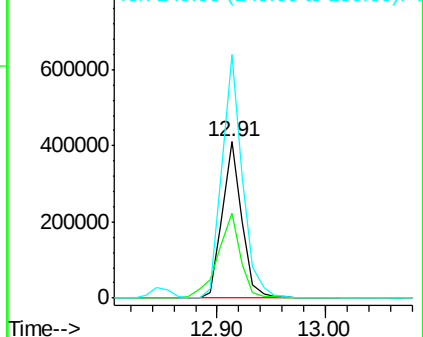
152 100

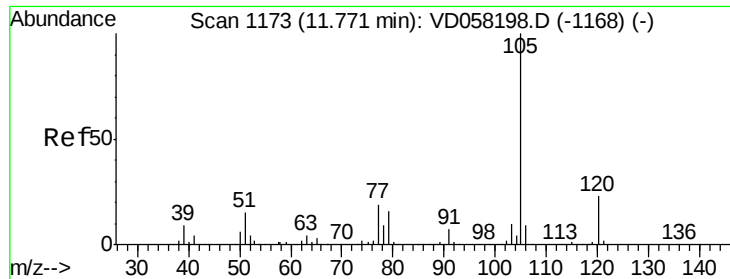
115 54.3 25.1 75.3

150 156.1 0.0 308.8



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





#73

Isopropylbenzene

Concen: 20.93 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

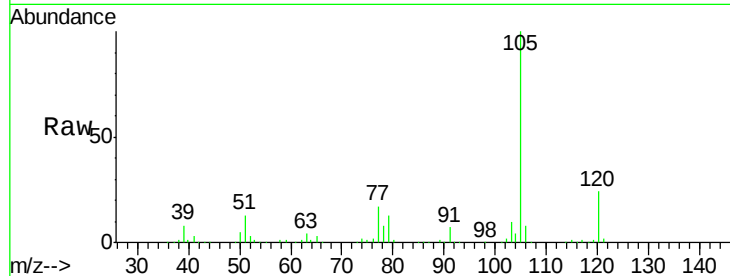
VD0621SBS01

Tot Ion:105 Resp: 643946

Ion Ratio Lower Upper

105 100

120 24.0 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

400000

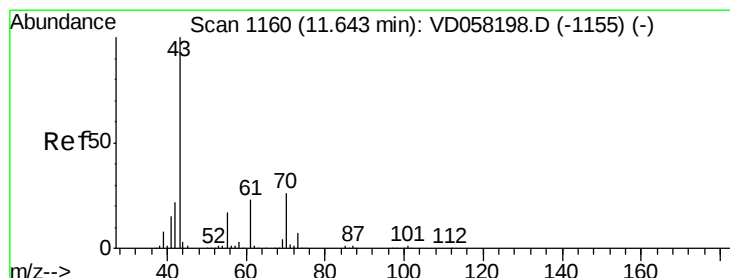
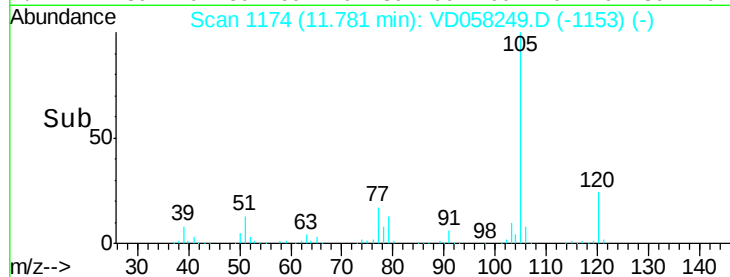
300000

200000

100000

0

Time--> 11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 19.76 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Tgt Ion: 43 Resp: 235116

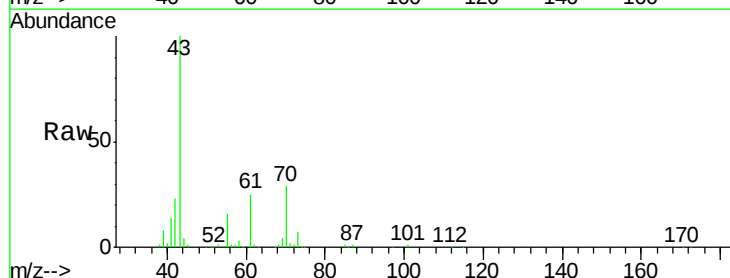
Ion Ratio Lower Upper

43 100

70 29.3 20.9 31.3

55 15.9 13.5 20.3

61 25.3 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

11.65

250000

200000

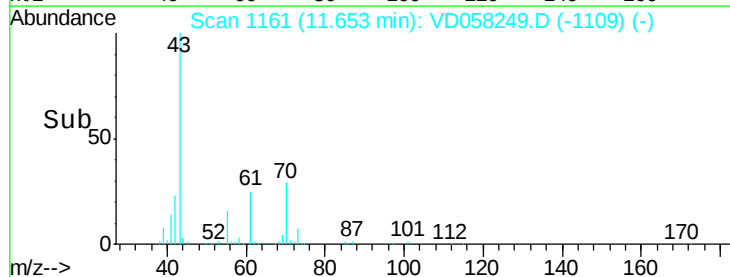
150000

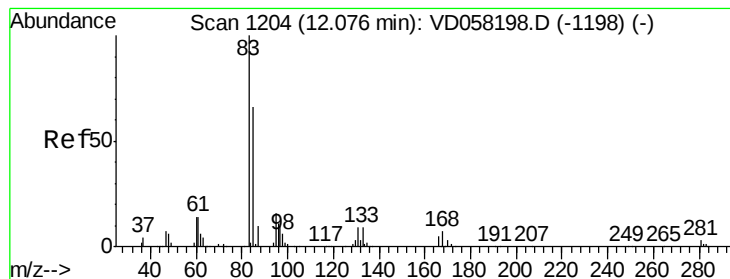
100000

50000

0

Time--> 11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 20.16 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

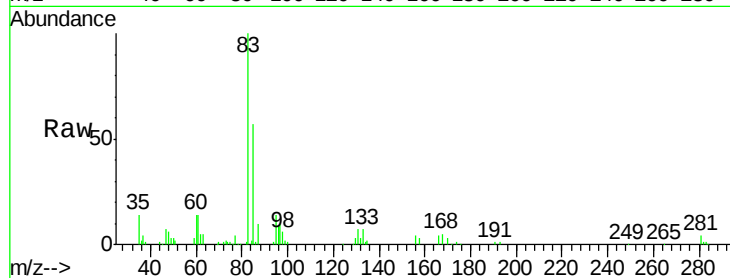
Tot Ion: 83 Resp: 144358

Ion Ratio Lower Upper

83 100

131 7.4 4.8 14.3

85 57.0 33.1 99.5



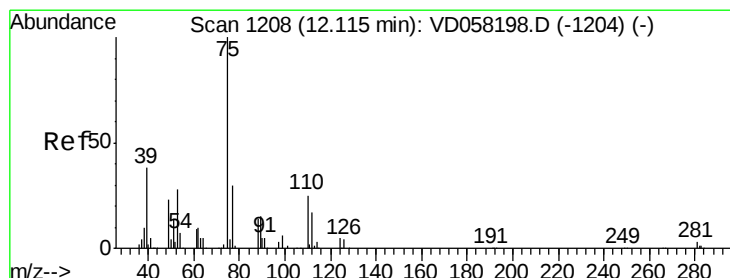
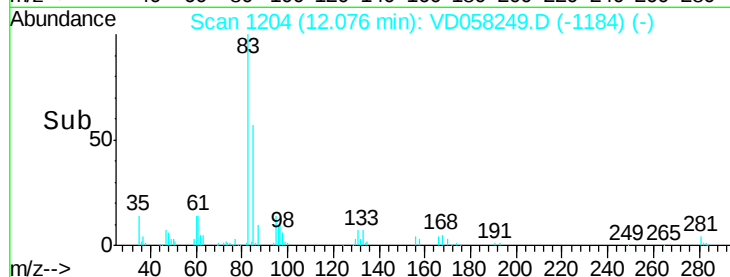
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.08

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.29 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058249.D

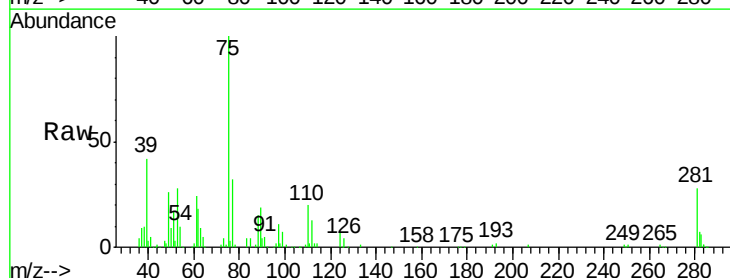
Acq: 21 Jun 2018 13:41

Tgt Ion: 75 Resp: 152378

Ion Ratio Lower Upper

75 100

77 32.3 16.0 47.9

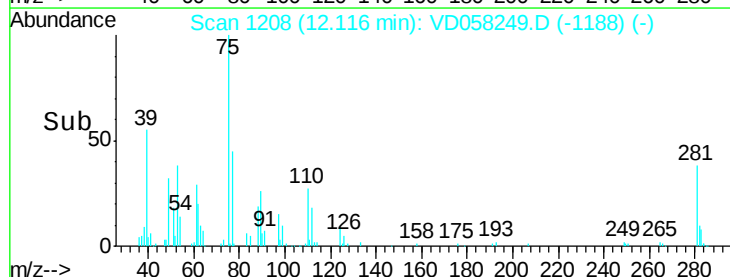


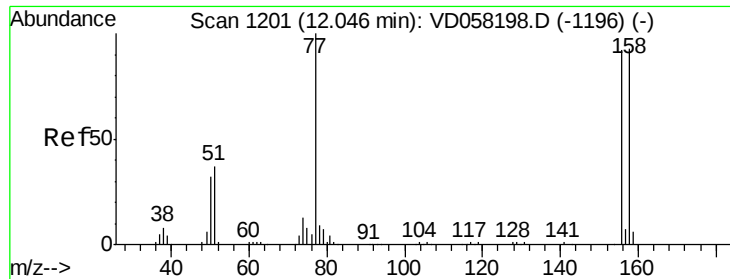
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.12

Time-->

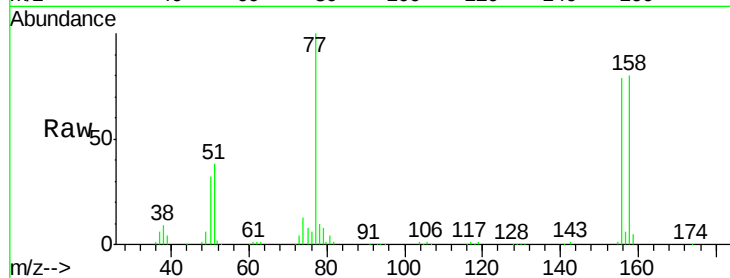




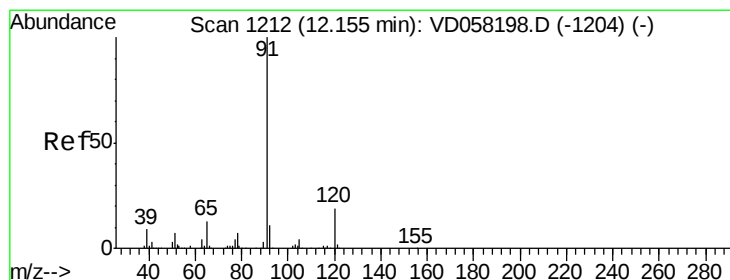
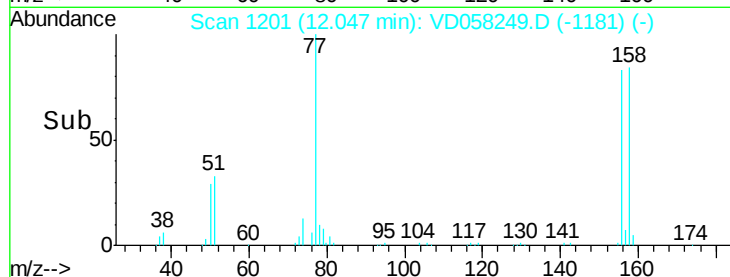
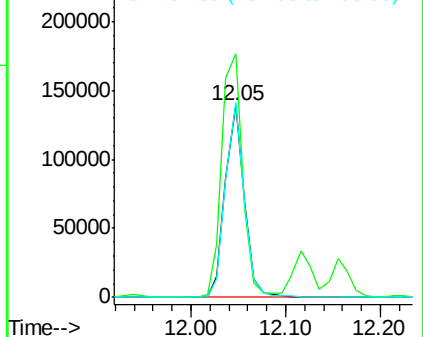
#77
Bromobenzene
Concen: 21.22 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion:156 Resp: 195529
Ion Ratio Lower Upper
156 100
77 126.9 54.5 163.6
158 101.4 50.8 152.5

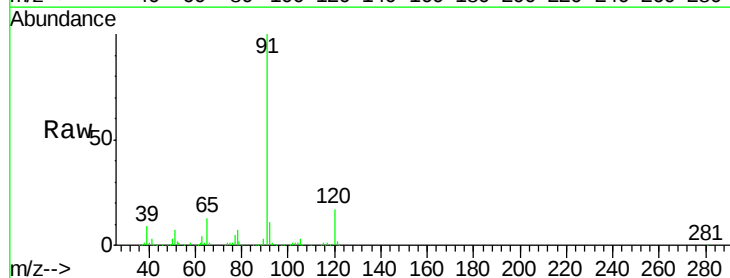


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

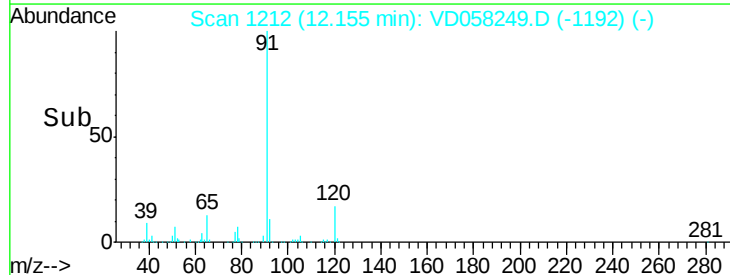
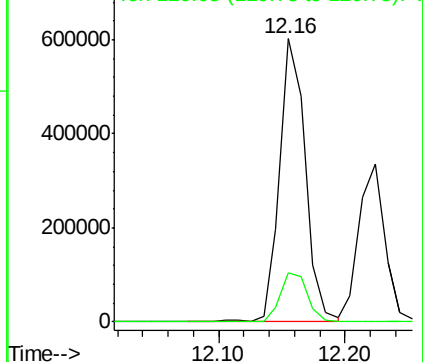


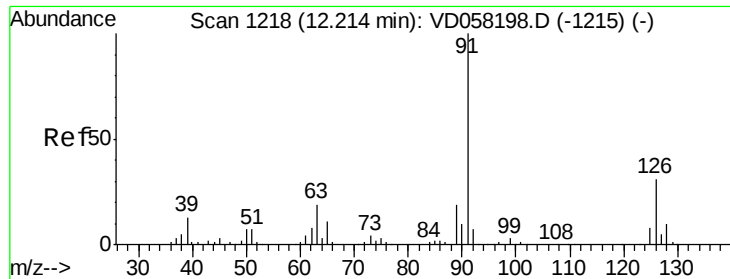
#78
n-propylbenzene
Concen: 21.65 ug/l
RT: 12.16 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Tgt Ion: 91 Resp: 860147
Ion Ratio Lower Upper
91 100
120 17.4 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

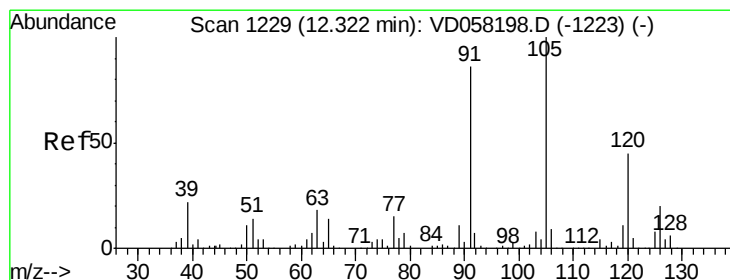
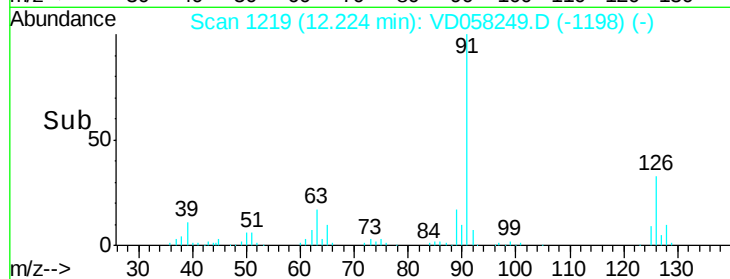
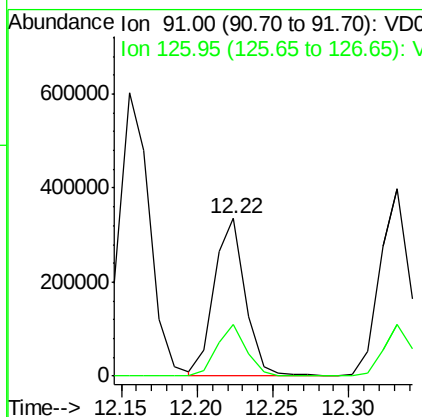
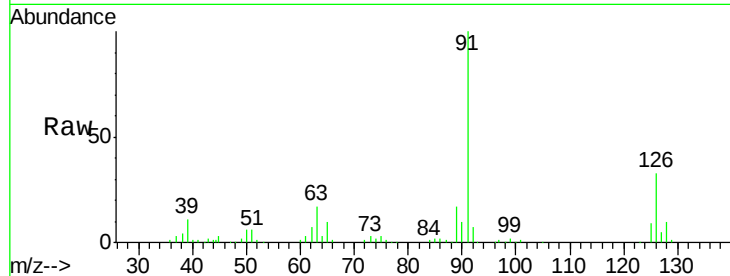




#79
 2-Chlorotoluene
 Concen: 20.93 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

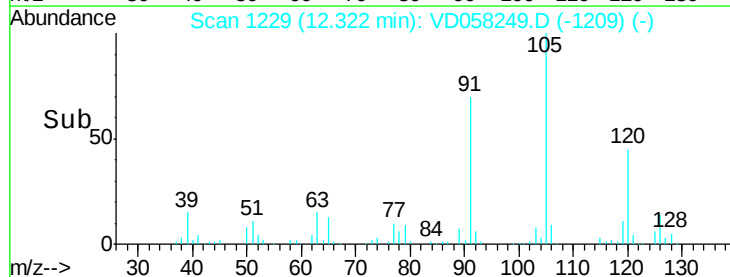
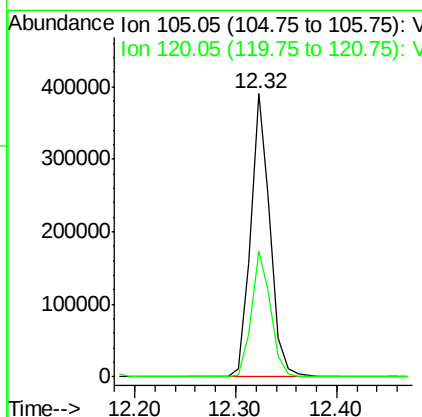
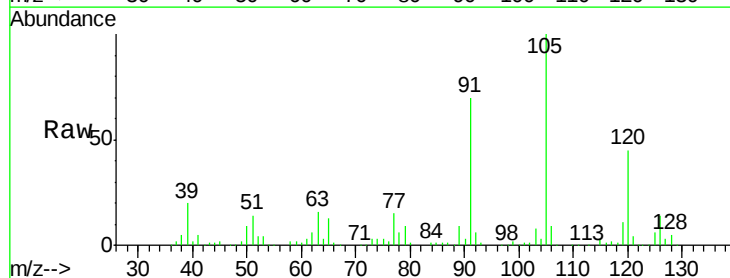
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

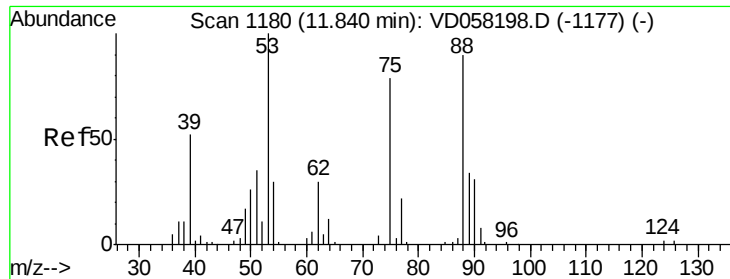
Tot Ion: 91 Resp: 475880
 Ion Ratio Lower Upper
 91 100
 126 33.2 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.75 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Tgt Ion: 105 Resp: 521832
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 21.83 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

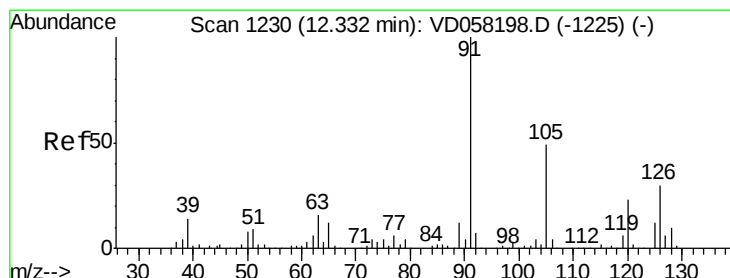
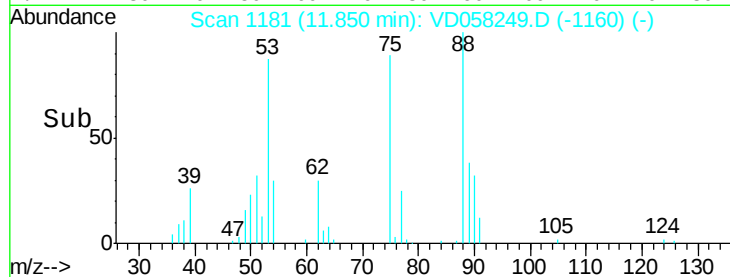
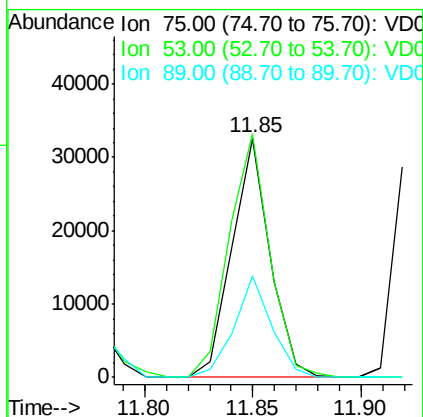
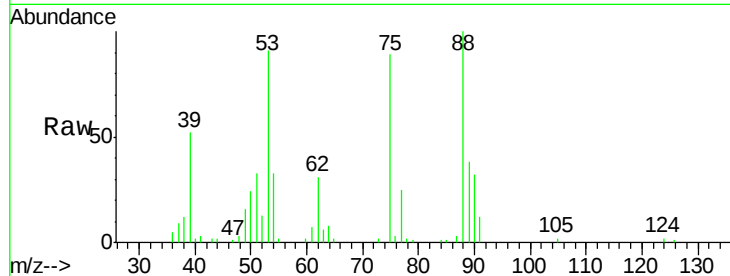
Tot Ion: 75 Resp: 39986

Ion Ratio Lower Upper

75 100

53 101.9 100.8 151.2

89 42.5 34.6 52.0



#82

4-Chlorotoluene

Concen: 21.90 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058249.D

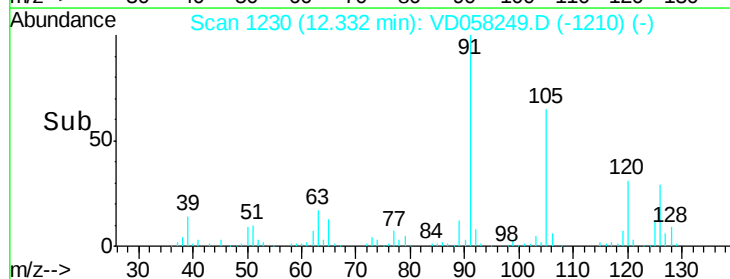
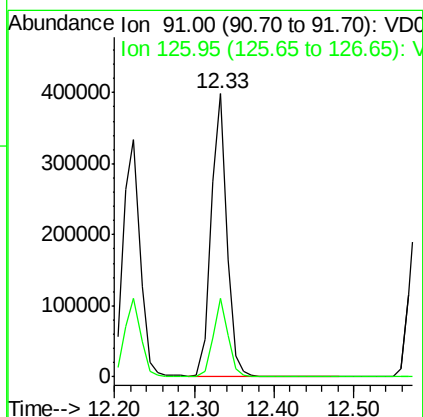
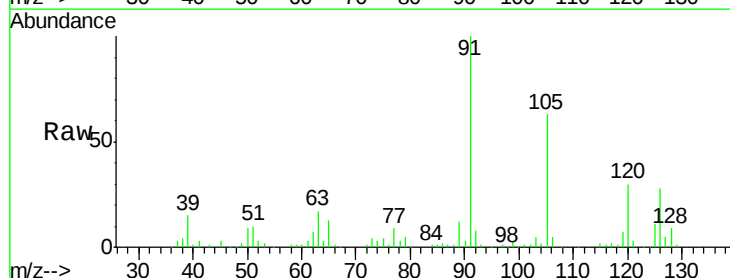
Acq: 21 Jun 2018 13:41

Tgt Ion: 91 Resp: 553025

Ion Ratio Lower Upper

91 100

126 27.8 14.9 44.9





#83

tert-Butylbenzene

Concen: 20.97 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

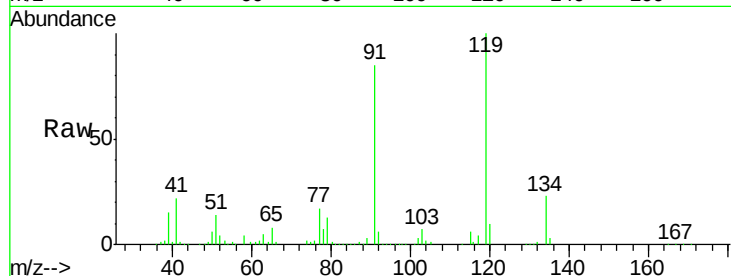
Tot Ion:119 Resp: 578436

Ion Ratio Lower Upper

119 100

91 85.1 38.9 116.6

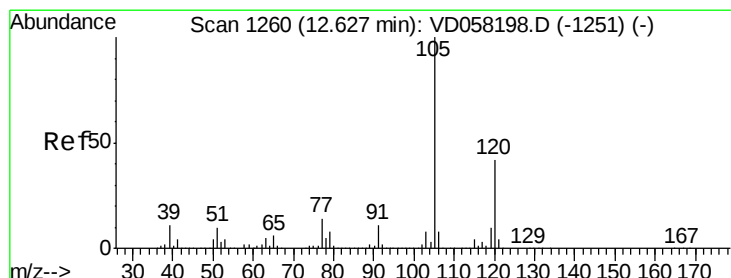
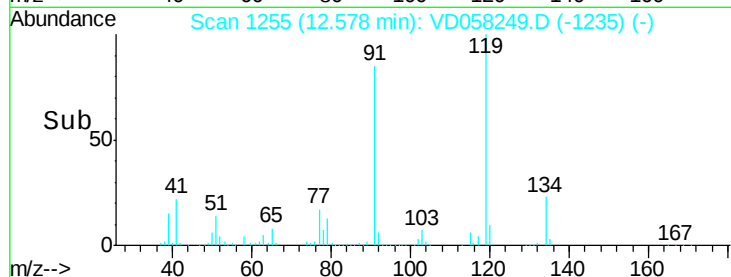
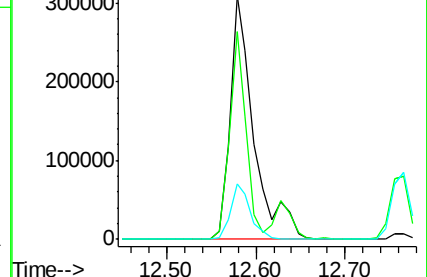
134 22.7 11.2 33.5



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.60 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD058249.D

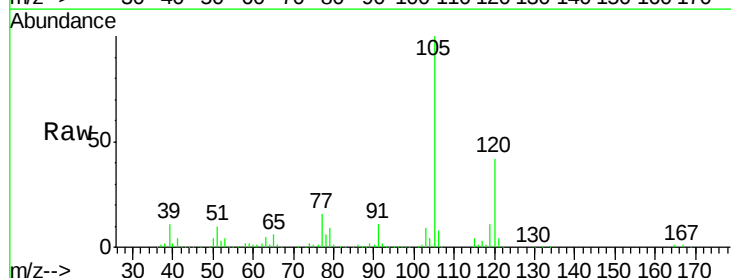
Acq: 21 Jun 2018 13:41

Tgt Ion:105 Resp: 563379

Ion Ratio Lower Upper

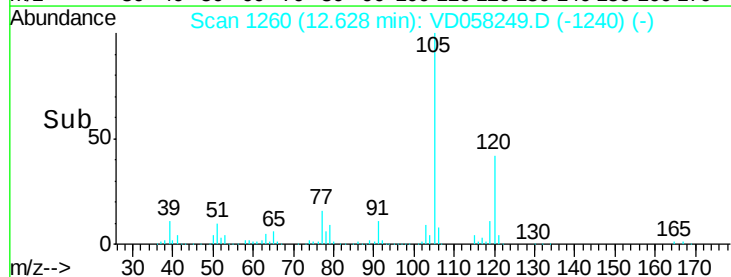
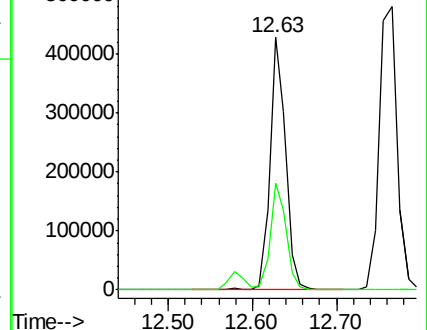
105 100

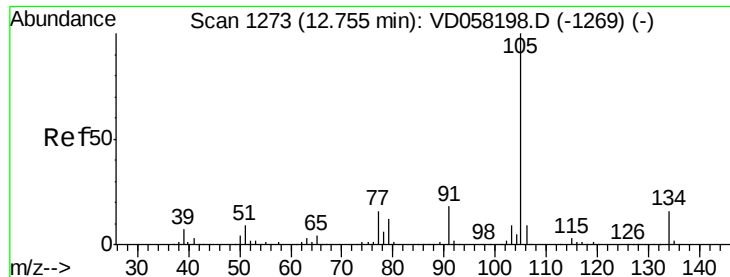
120 42.2 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.90 ug/l

RT: 12.77 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

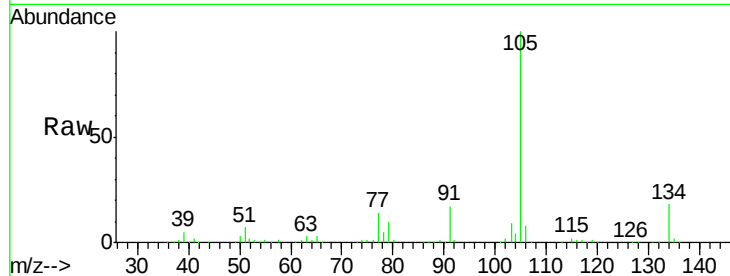
VD0621SBS01

Tot Ion:105 Resp: 708177

Ion Ratio Lower Upper

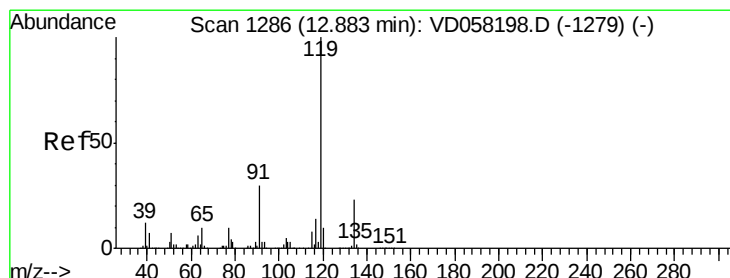
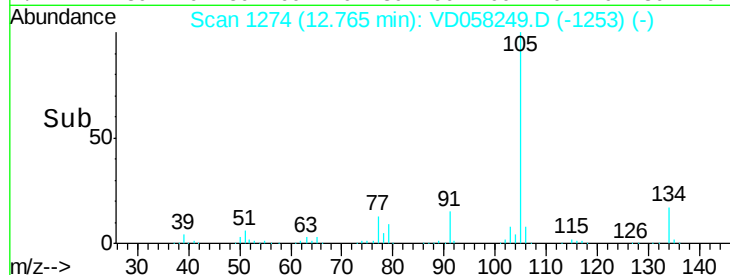
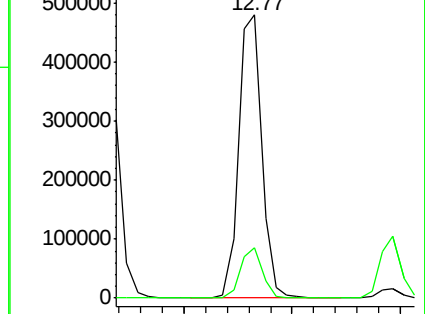
105 100

134 17.8 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.72 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

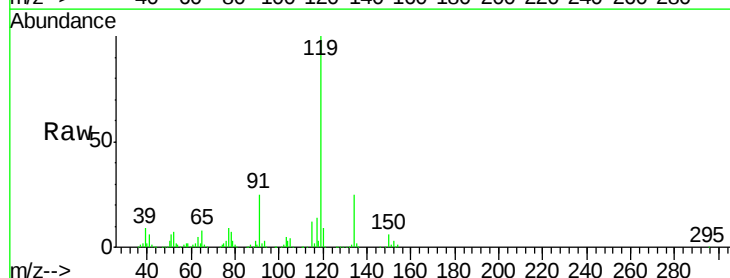
Tgt Ion:119 Resp: 569273

Ion Ratio Lower Upper

119 100

134 24.7 11.6 34.8

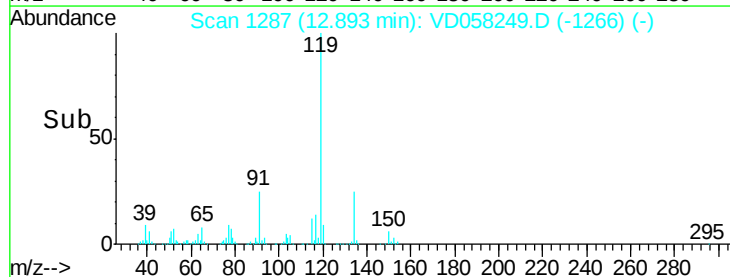
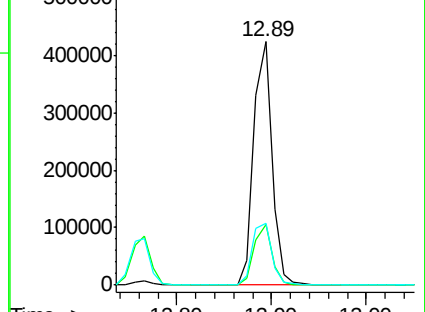
91 25.2 15.0 45.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

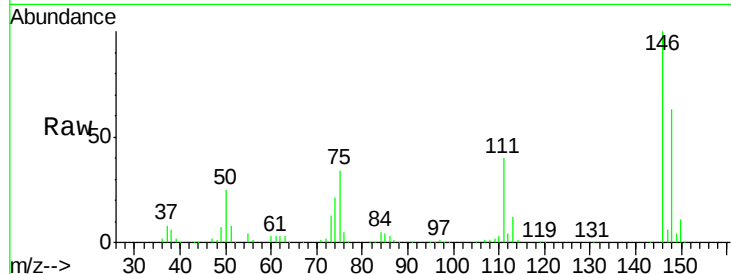




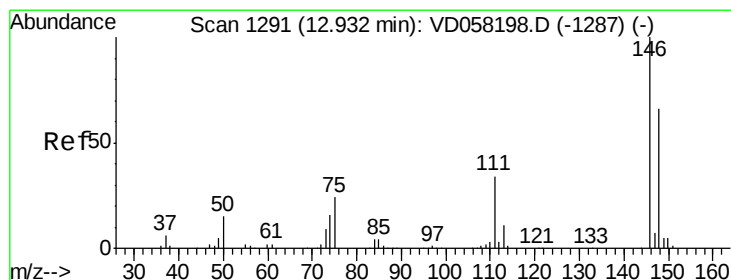
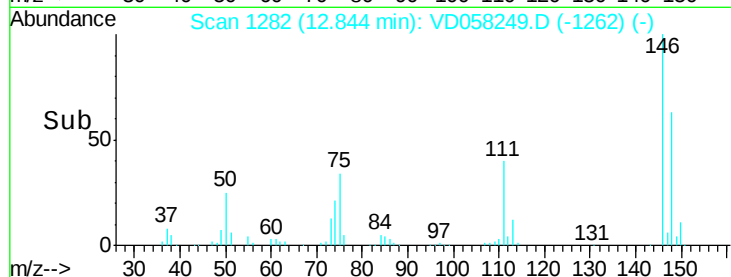
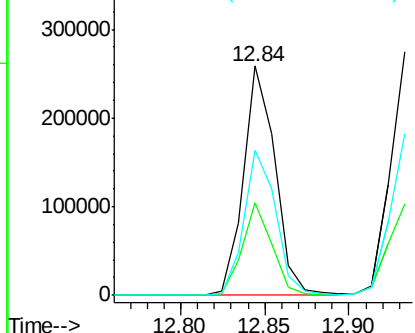
#87
 1,3-Dichlorobenzene
 Concen: 21.13 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Tot Ion:146 Resp: 338295
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.4 55.0
 148 63.0 32.8 98.4

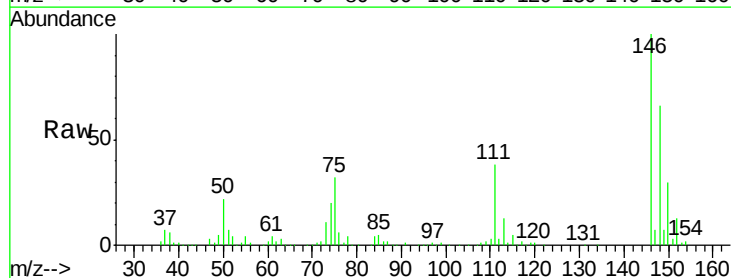


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

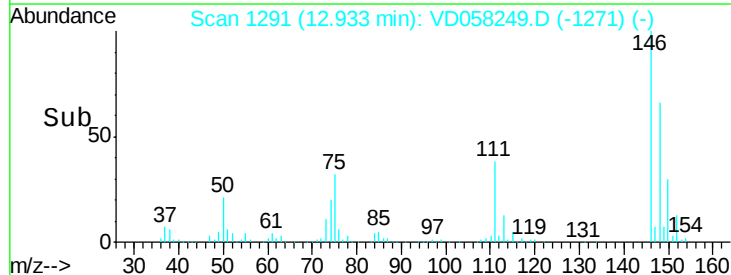
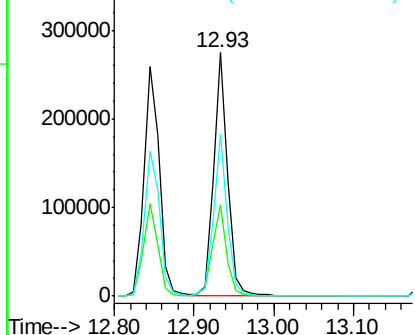


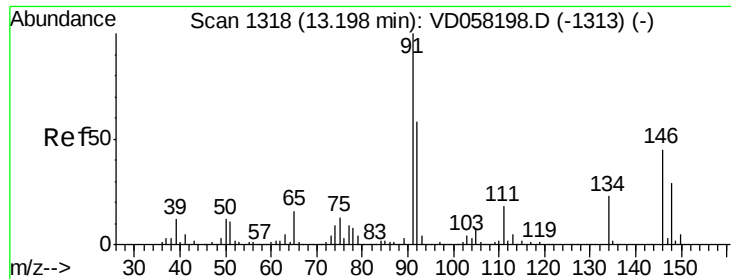
#88
 1,4-Dichlorobenzene
 Concen: 21.63 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Tgt Ion:146 Resp: 338144
 Ion Ratio Lower Upper
 146 100
 111 37.7 17.2 51.5
 148 66.3 33.1 99.3



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

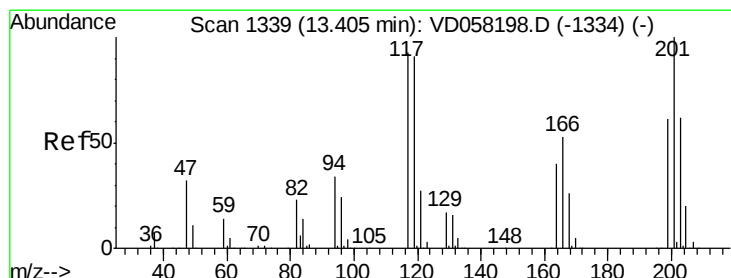
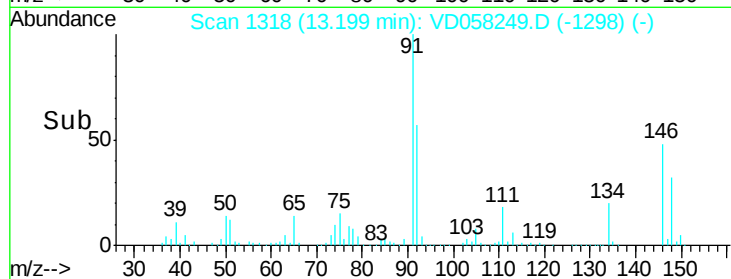
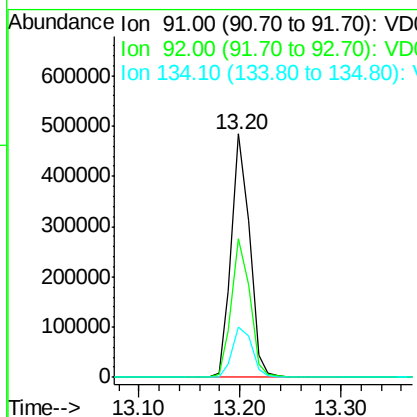
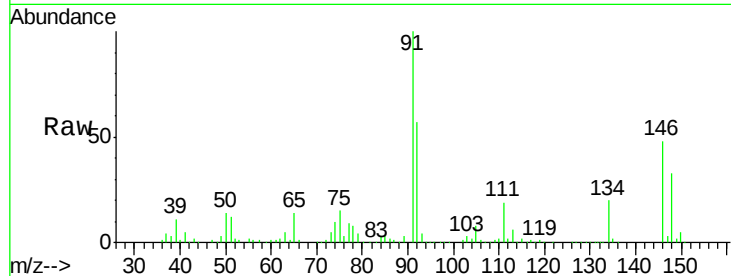




#89
n-Butylbenzene
Concen: 22.32 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

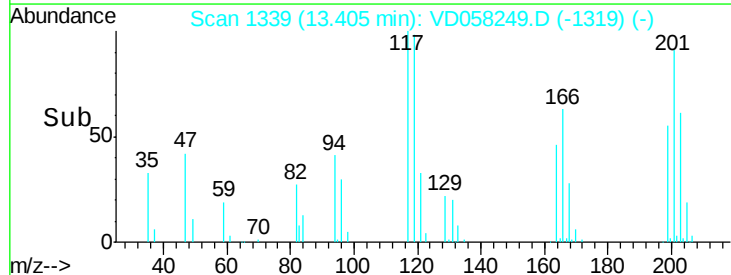
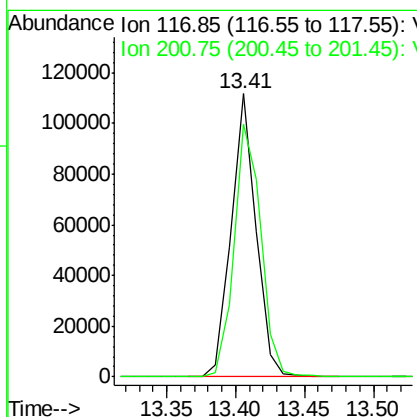
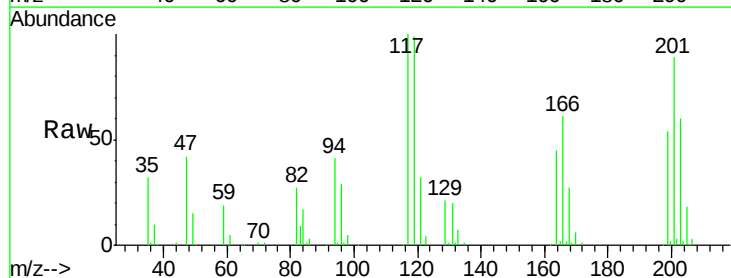
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

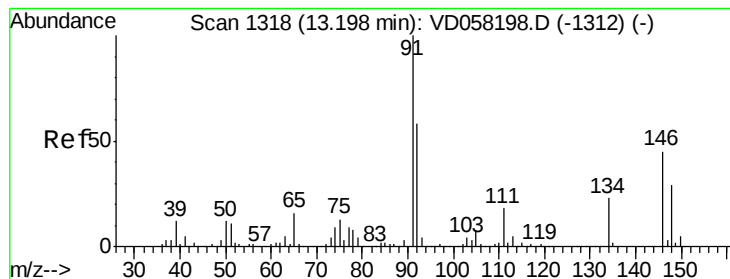
Tot Ion: 91 Resp: 614686
Ion Ratio Lower Upper
91 100
92 56.9 29.2 87.6
134 20.5 11.3 33.8



#90
Hexachloroethane
Concen: 20.47 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058249.D
Acq: 21 Jun 2018 13:41

Tgt Ion: 117 Resp: 139259
Ion Ratio Lower Upper
117 100
201 89.2 53.8 161.4





#91

1,2-Dichlorobenzene

Concen: 21.26 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

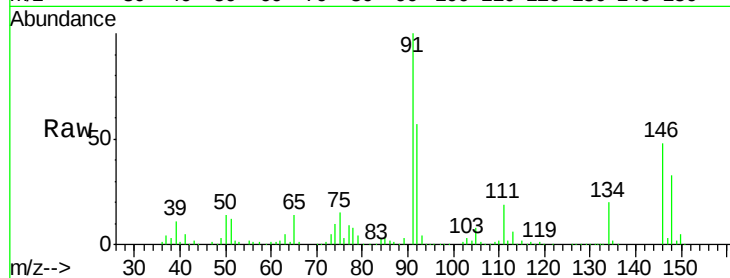
Tot Ion:146 Resp: 289679

Ion Ratio Lower Upper

146 100

111 38.8 19.6 58.7

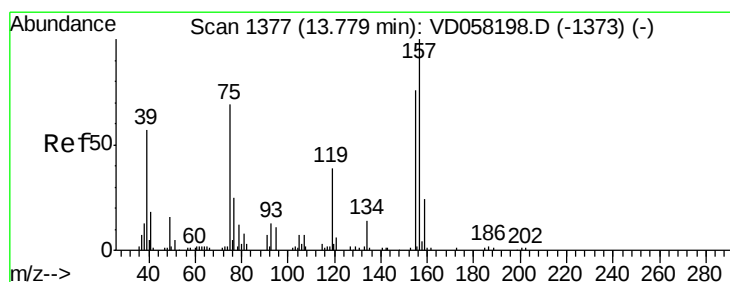
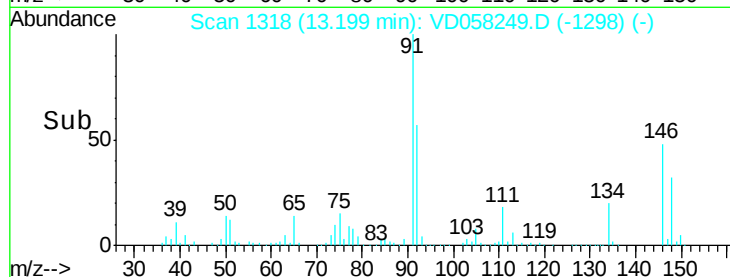
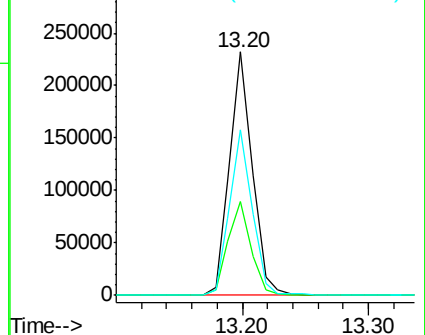
148 68.1 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.19 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

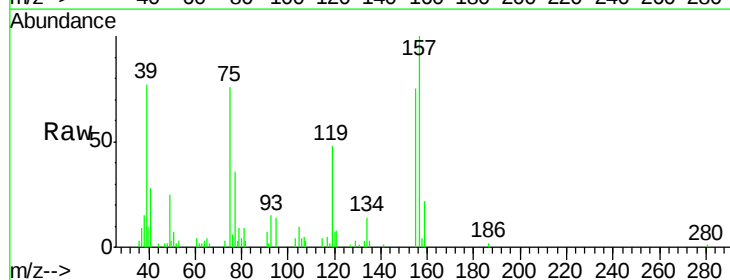
Tgt Ion: 75 Resp: 21861

Ion Ratio Lower Upper

75 100

155 99.4 54.5 163.5

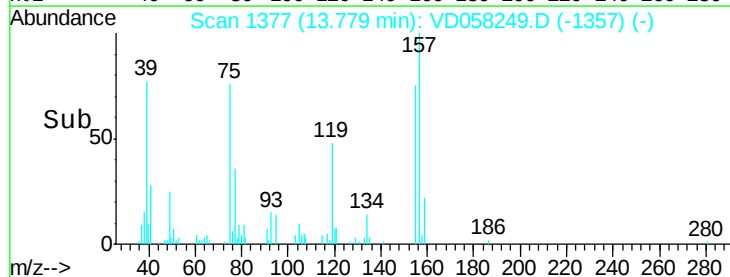
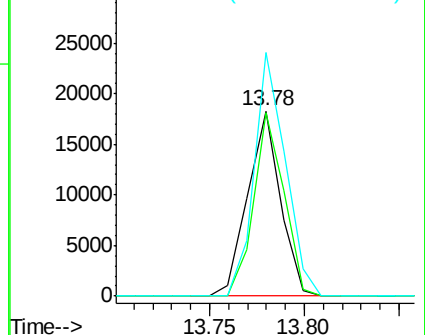
157 131.8 72.0 215.9



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

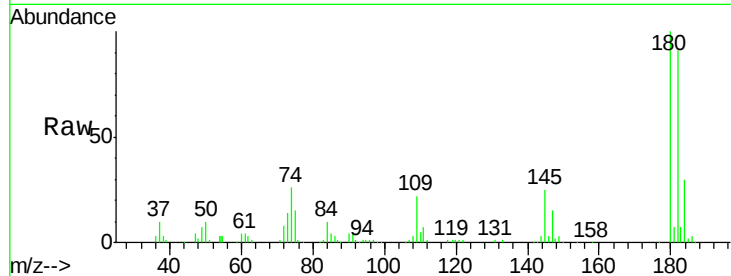




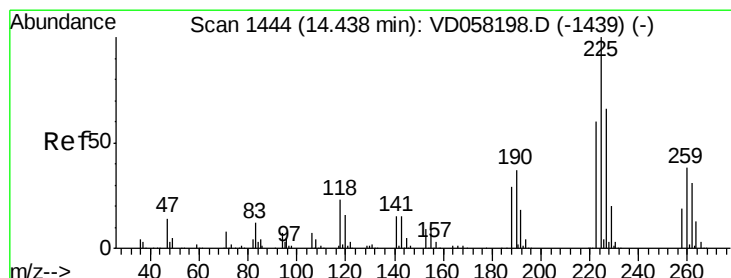
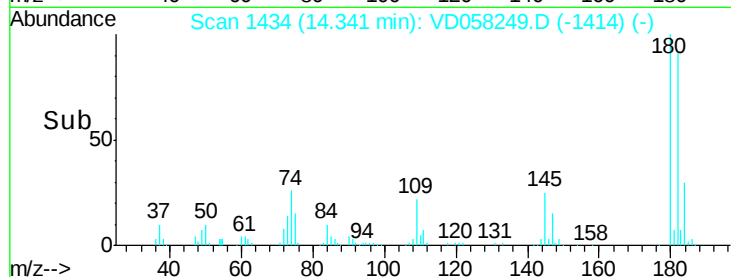
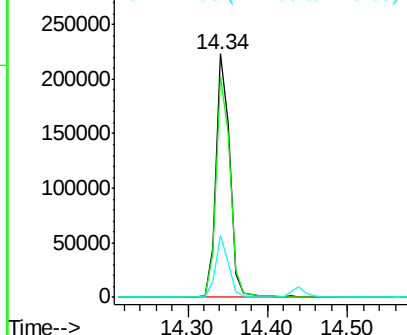
#93
 1,2,4-Trichlorobenzene
 Concen: 21.17 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Tot Ion:180 Resp: 275950
 Ion Ratio Lower Upper
 180 100
 182 90.8 47.1 141.3
 145 25.2 11.7 35.0

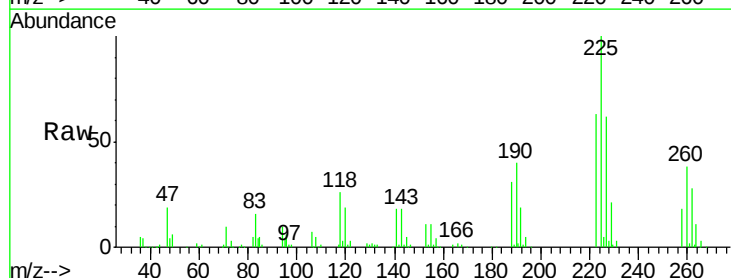


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

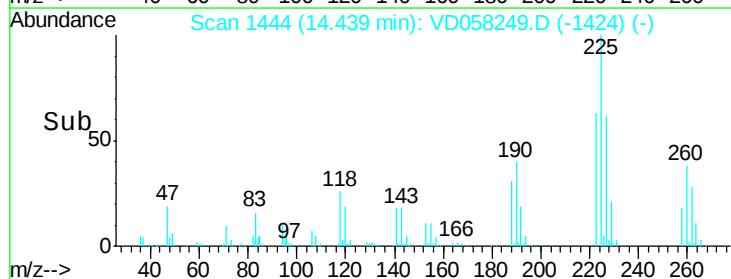
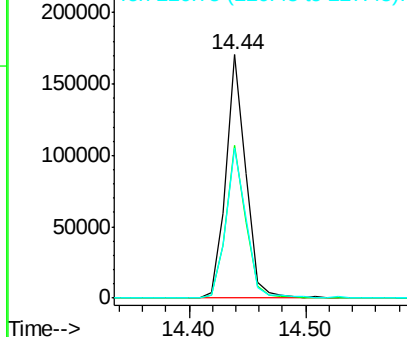


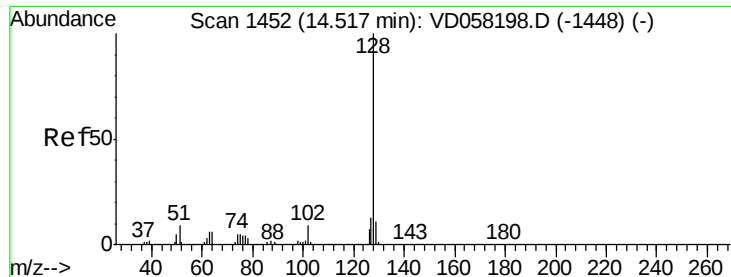
#94
 Hexachlorobutadiene
 Concen: 19.80 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058249.D
 Acq: 21 Jun 2018 13:41

Tgt Ion:225 Resp: 201881
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.1 90.3
 227 61.9 33.0 98.9



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





#95

Naphthalene

Concen: 20.13 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

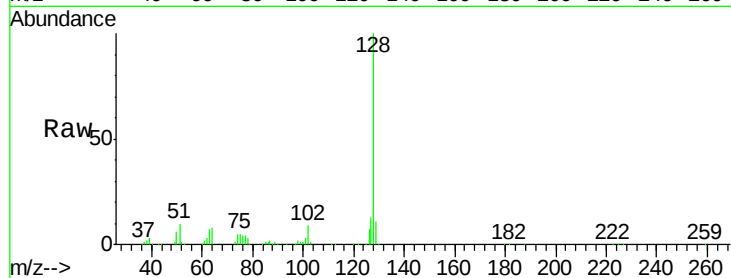
Tot Ion:128 Resp: 345651

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

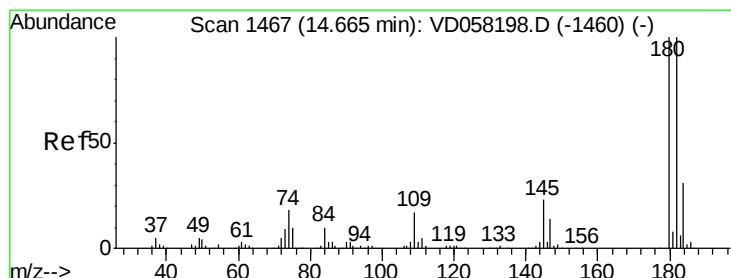
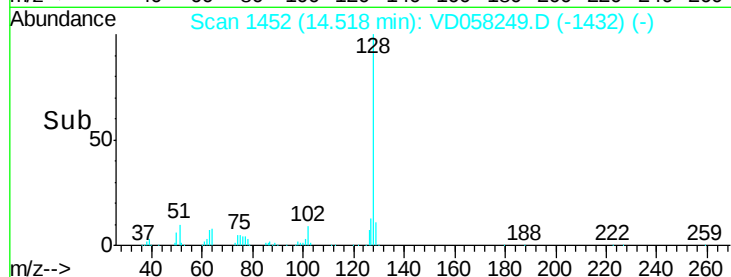
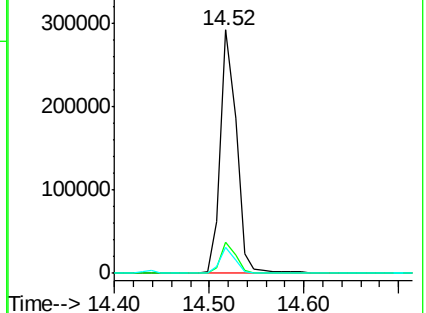
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.20 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058249.D

Acq: 21 Jun 2018 13:41

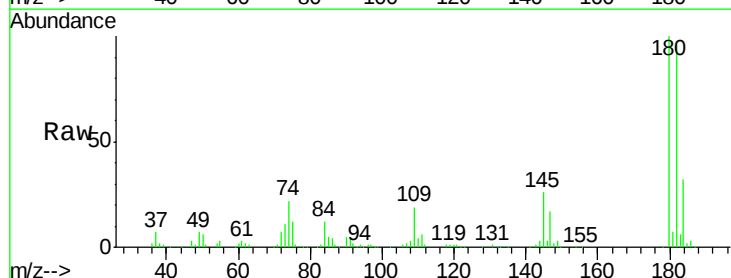
Tgt Ion:180 Resp: 230437

Ion Ratio Lower Upper

180 100

182 96.4 49.9 149.6

145 26.2 11.7 35.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

