

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058227.D
 Acq On : 21 Jun 2018 1:16
 Operator : VA/AP
 Sample : VD0620SBS03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS03

Quant Time: Jun 21 01:49:36 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	853432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1173759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	915807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	478344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	467302	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
35) Dibromofluoromethane	5.55	113	477376	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	8.72	98	1148479	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.94	95	457132	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	205743	23.58	ug/l	99
3) Chloromethane	1.48	50	104399	25.93	ug/l	98
4) Vinyl Chloride	1.54	62	100080	22.39	ug/l	96
5) Bromomethane	1.78	94	30550	17.98	ug/l	82
6) Chloroethane	1.87	64	34076	19.54	ug/l	94
7) Trichlorofluoromethane	2.07	101	132017	21.54	ug/l	99
8) Diethyl Ether	2.34	74	28985	22.36	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.55	101	82984	21.29	ug/l	96
10) Methyl Iodide	2.68	142	94137	21.24	ug/l	96
11) Tert butyl alcohol	3.26	59	29083	102.29	ug/l #	93
12) 1,1-Dichloroethene	2.54	96	64647	22.05	ug/l	98
13) Acrolein	2.47	56	19881	122.49	ug/l	84
14) Allyl chloride	2.91	41	148129	21.71	ug/l	99
15) Acrylonitrile	3.35	53	85205	113.02	ug/l	98
16) Acetone	2.60	43	114705	97.30	ug/l #	86
17) Carbon Disulfide	2.74	76	211886	21.24	ug/l	97
18) Methyl Acetate	2.93	43	50050	19.91	ug/l #	92
19) Methyl tert-butyl Ether	3.39	73	180003	23.15	ug/l	98
20) Methylene Chloride	3.06	84	79101	23.14	ug/l	93
21) trans-1,2-Dichloroethene	3.38	96	69722	21.76	ug/l	94
22) Diisopropyl ether	4.07	45	557766	20.58	ug/l	98
23) Vinyl Acetate	4.01	43	1619456	111.46	ug/l	99
24) 1,1-Dichloroethane	3.97	63	329341	22.55	ug/l	97
25) 2-Butanone	4.84	43	257753	100.32	ug/l	97
26) 2,2-Dichloropropane	4.80	77	228161	18.66	ug/l	99
27) cis-1,2-Dichloroethene	4.80	96	173307	21.64	ug/l	96
28) Bromochloromethane	5.14	49	146771	22.42	ug/l #	95
29) Tetrahydrofuran	5.18	42	149618	109.40	ug/l	98
30) Chloroform	5.32	83	339847	22.05	ug/l	96
31) Cyclohexane	5.60	56	263295	21.90	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	271091	21.28	ug/l	99
36) 1,1-Dichloropropene	5.75	75	235532	20.28	ug/l	99
37) Ethyl Acetate	4.93	43	140224	21.20	ug/l	98
38) Carbon Tetrachloride	5.73	117	228617	19.82	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	234038	20.69	ug/l	98
40) Benzene	6.01	78	574379	20.77	ug/l	98
41) Methacrylonitrile	5.13	41	65313	20.44	ug/l	97
42) 1,2-Dichloroethane	6.13	62	228323	20.47	ug/l	93
43) Isopropyl Acetate	7.63	43	177996	20.18	ug/l	96
44) Trichloroethene	6.99	130	173218	20.86	ug/l	97
45) 1,2-Dichloropropane	7.35	63	159257	21.38	ug/l	93
46) Dibromomethane	7.47	93	108003	21.24	ug/l	96
47) Bromodichloromethane	7.74	83	232659	20.06	ug/l	97
48) Methyl methacrylate	7.51	41	109062	20.34	ug/l	95
49) 1,4-Dioxane	7.51	88	22112	456.96	ug/l	91
51) 4-Methyl-2-Pentanone	8.61	43	578788	100.60	ug/l	99
52) Toluene	8.81	92	329298	20.91	ug/l	94
53) t-1,3-Dichloropropene	9.19	75	194416	19.28	ug/l	95
54) cis-1,3-Dichloropropene	8.36	75	239766	20.29	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	116024	20.82	ug/l	94
56) Ethyl methacrylate	9.32	69	137597	20.65	ug/l	92
57) 1,3-Dichloropropane	9.67	76	199534	21.26	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	357402	108.33	ug/l	99
59) 2-Hexanone	9.79	43	427234	102.77	ug/l	98
60) Dibromochloromethane	9.97	129	157650	20.85	ug/l	100
61) 1,2-Dibromoethane	10.10	107	128569	21.08	ug/l	91
64) Tetrachloroethene	9.52	164	183361	23.80	ug/l	95
65) Chlorobenzene	10.73	112	373856	21.82	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	138964	21.02	ug/l	98
67) Ethyl Benzene	10.86	91	651370	21.54	ug/l	99
68) m/p-Xylenes	11.02	106	449459	44.57	ug/l	95
69) o-Xylene	11.41	106	219238	22.76	ug/l	98
70) Styrene	11.44	104	375472	22.84	ug/l	99
71) Bromoform	11.60	173	108364	20.55	ug/l	99
73) Isopropylbenzene	11.78	105	604556	21.13	ug/l	98
74) N-amyl acetate	11.65	43	229622	20.76	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	141307	21.22	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	146830	21.02	ug/l	96
77) Bromobenzene	12.05	156	186576	21.78	ug/l	88
78) n-propylbenzene	12.15	91	814615	22.05	ug/l	98
79) 2-Chlorotoluene	12.22	91	460787	21.79	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	492033	22.05	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	33390	19.60	ug/l	89
82) 4-Chlorotoluene	12.33	91	517698	22.09	ug/l	93
83) tert-Butylbenzene	12.58	119	516845	20.14	ug/l	90
84) 1,2,4-Trimethylbenzene	12.63	105	527595	21.75	ug/l	96
85) sec-Butylbenzene	12.76	105	624921	20.78	ug/l	97
86) p-Isopropyltoluene	12.89	119	498417	20.45	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	307451	20.65	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	305162	20.98	ug/l	97
89) n-Butylbenzene	13.20	91	531032	20.73	ug/l	96
90) Hexachloroethane	13.40	117	127624	20.18	ug/l	76
91) 1,2-Dichlorobenzene	13.20	146	262996	20.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	22469	21.20	ug/l	78

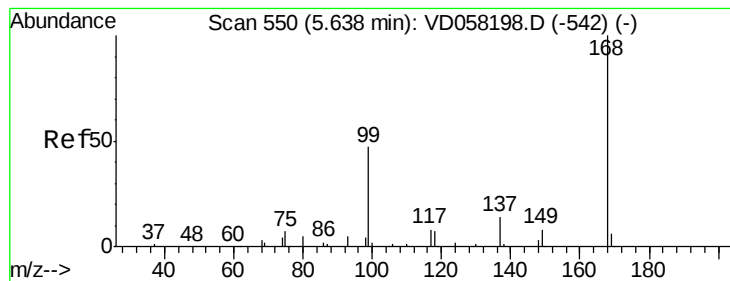
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QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	240281	19.82	ug/l	96
94) Hexachlorobutadiene	14.44	225	185436	19.56	ug/l	99
95) Naphthalene	14.52	128	345681	21.65	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	213292	20.10	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: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

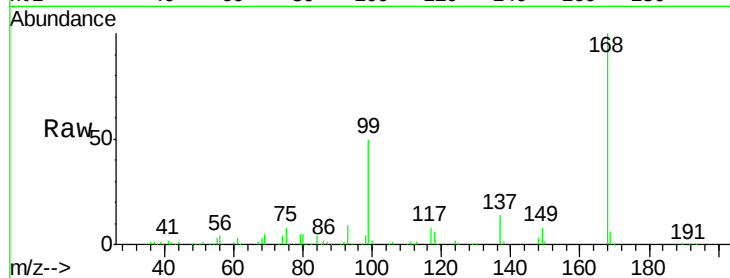
VD0620SBS03

Tot Ion:168 Resp: 853432

Ion Ratio Lower Upper

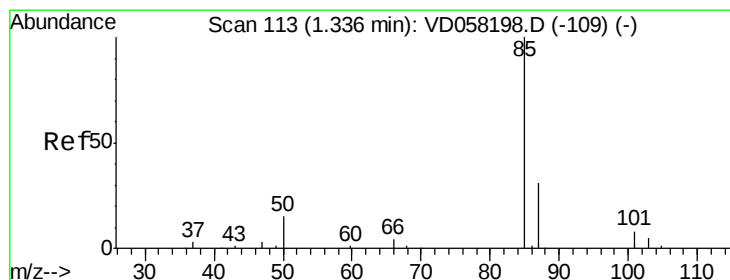
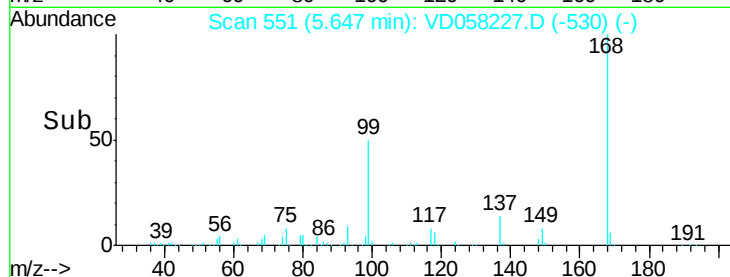
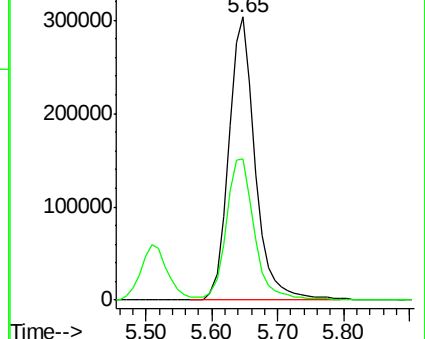
168 100

99 50.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 23.58 ug/l

RT: 1.33 min Scan# 113

Delta R.T. -0.00 min

Lab File: VD058227.D

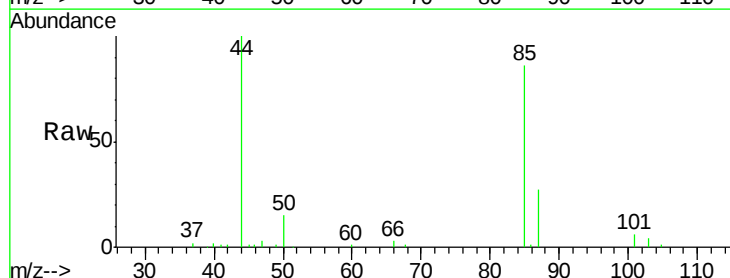
Acq: 21 Jun 2018 1:16

Tgt Ion: 85 Resp: 205743

Ion Ratio Lower Upper

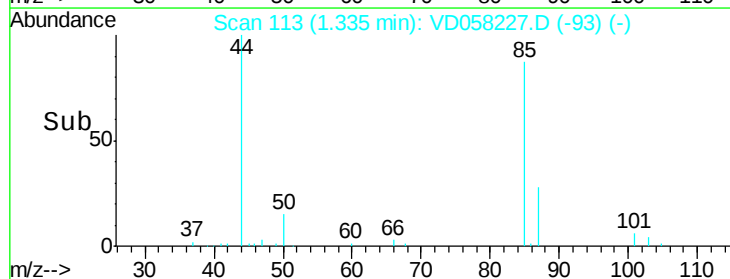
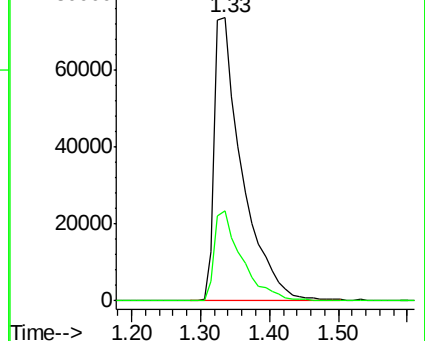
85 100

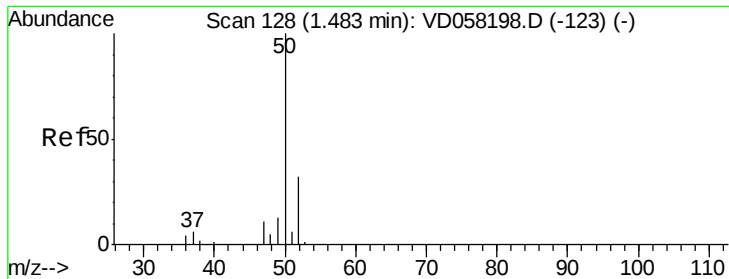
87 31.9 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 25.93 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

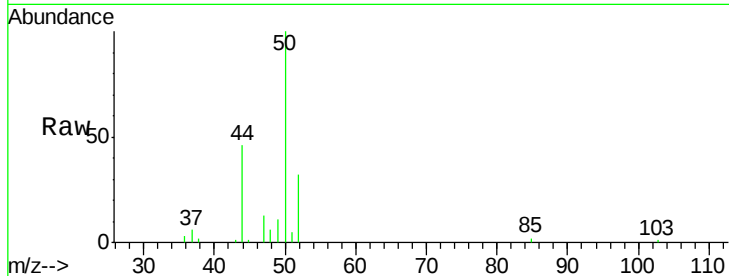
VD0620SBS03

Tot Ion: 50 Resp: 104399

Ion Ratio Lower Upper

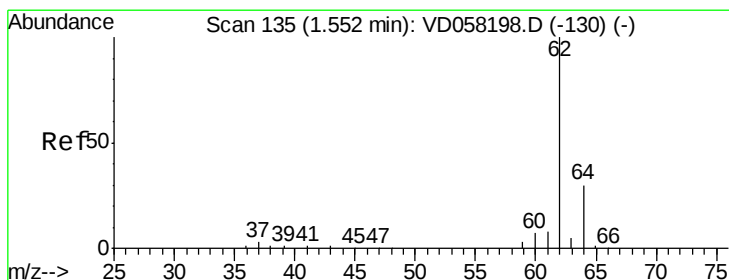
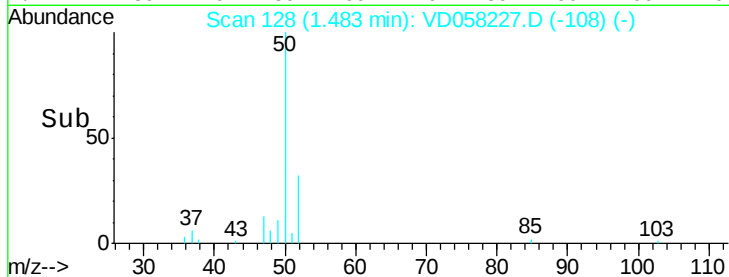
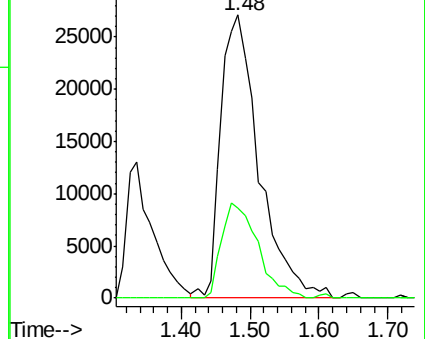
50 100

52 32.1 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: 22.39 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD058227.D

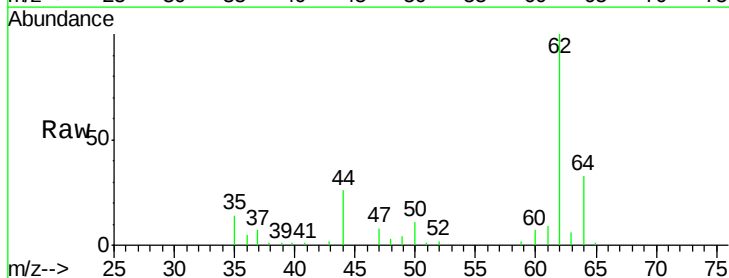
Acq: 21 Jun 2018 1:16

Tgt Ion: 62 Resp: 100080

Ion Ratio Lower Upper

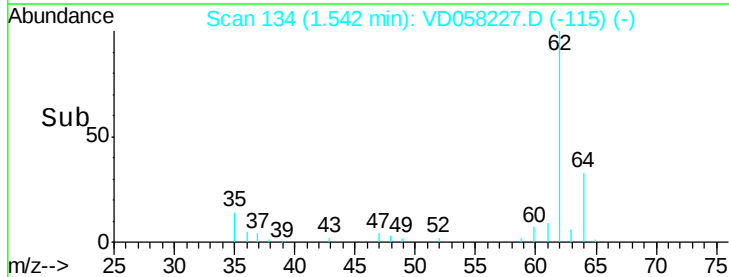
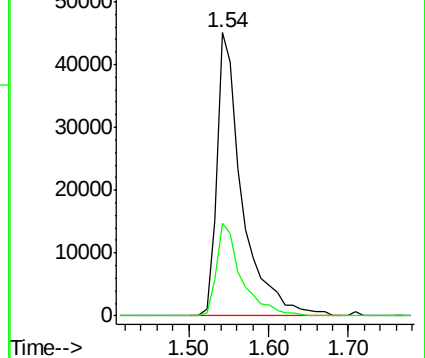
62 100

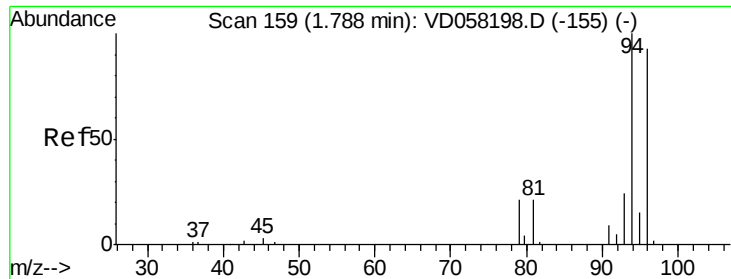
64 32.6 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.98 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

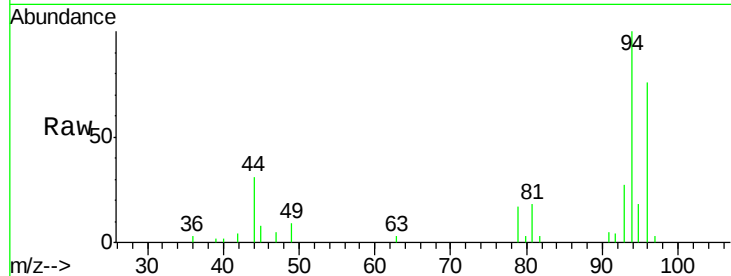
VD0620SBS03

Tot Ion: 94 Resp: 30550

Ion Ratio Lower Upper

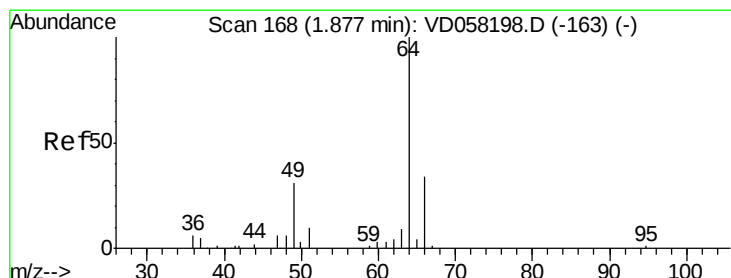
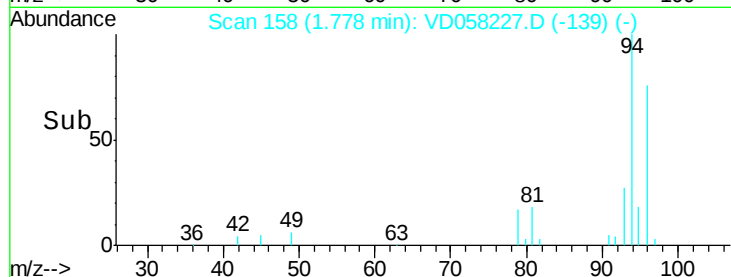
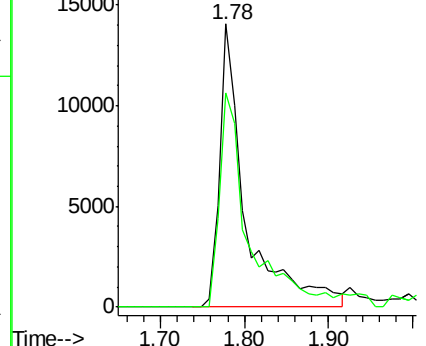
94 100

96 75.6 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.54 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD058227.D

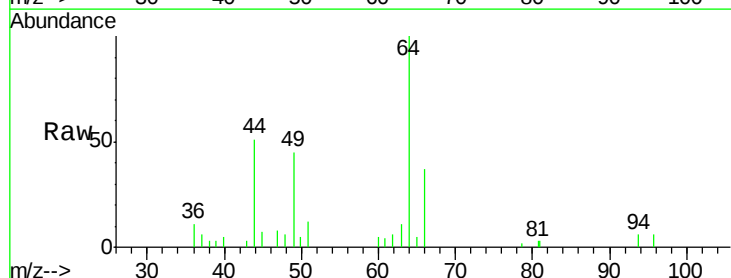
Acq: 21 Jun 2018 1:16

Tgt Ion: 64 Resp: 34076

Ion Ratio Lower Upper

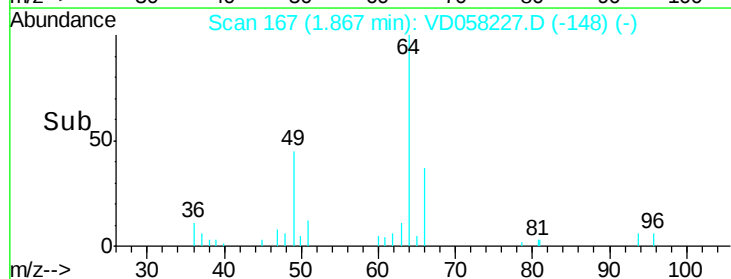
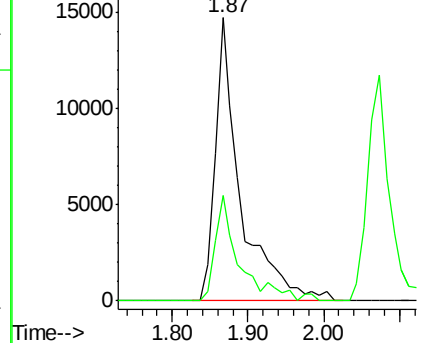
64 100

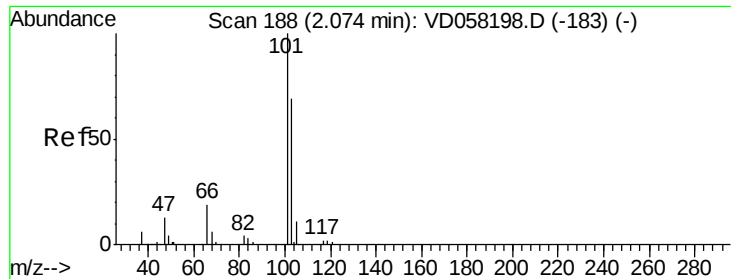
66 37.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



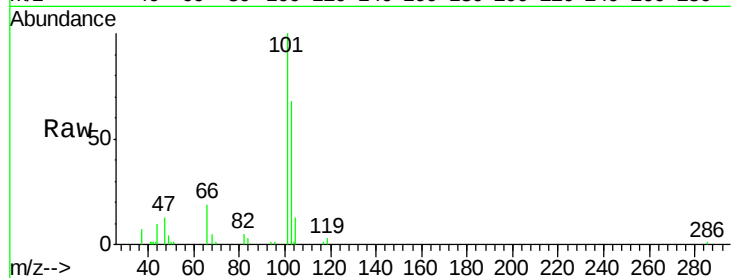


#7

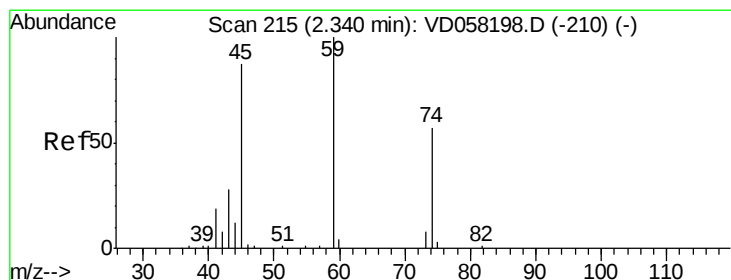
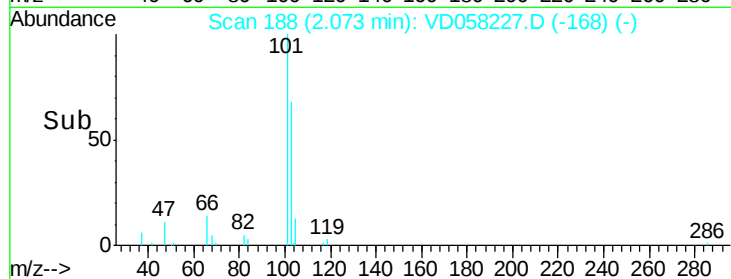
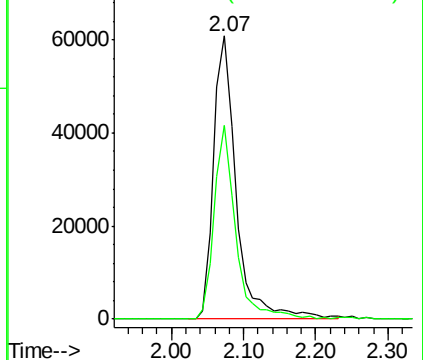
Trichlorofluoromethane
 Concen: 21.54 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS03

Tot Ion:101 Resp: 132017
 Ion Ratio Lower Upper
 101 100
 103 68.3 55.1 82.7



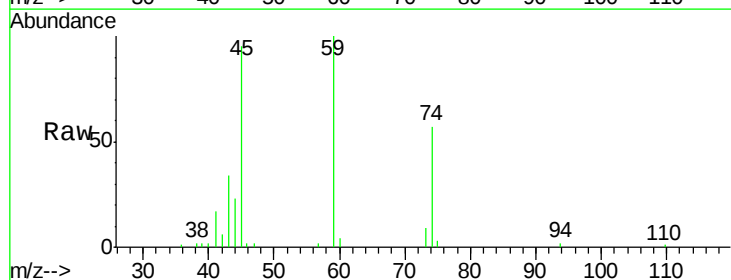
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



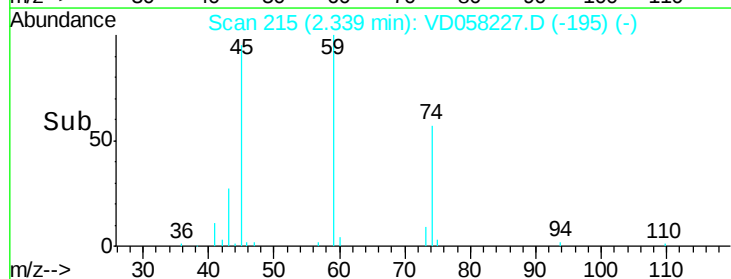
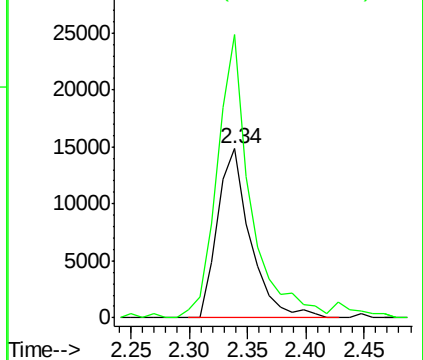
#8

Diethyl Ether
 Concen: 22.36 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

Tgt Ion: 74 Resp: 28985
 Ion Ratio Lower Upper
 74 100
 45 167.4 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC

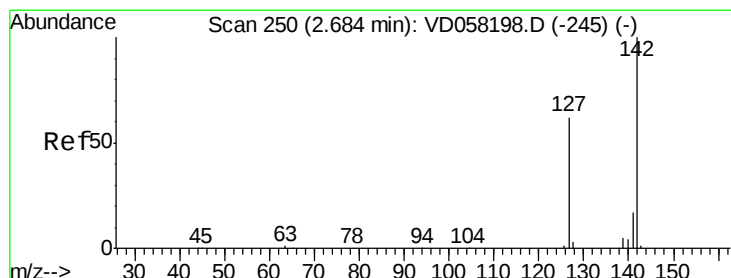
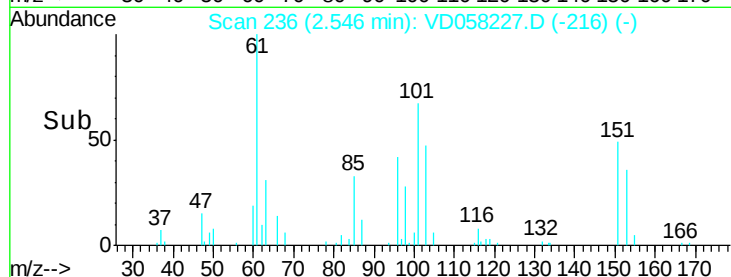
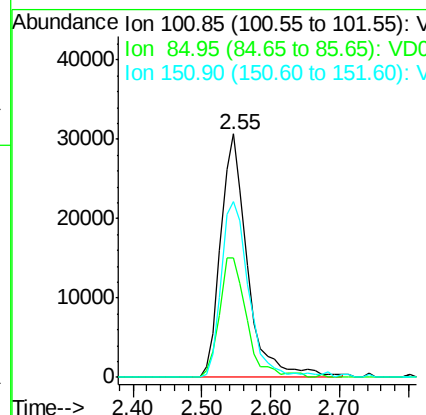
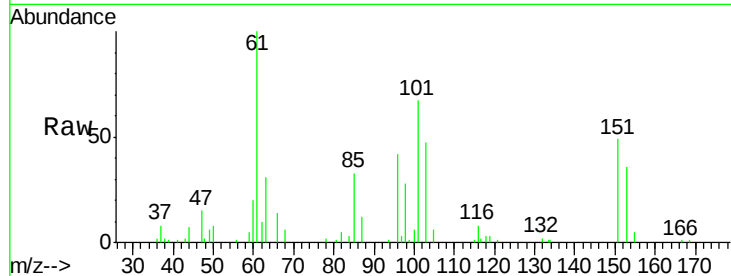




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.29 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

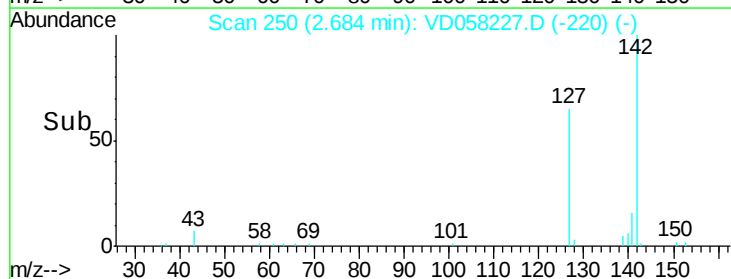
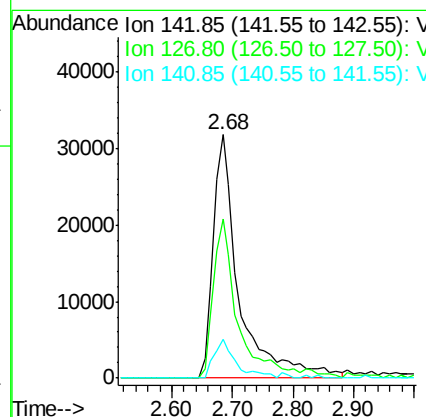
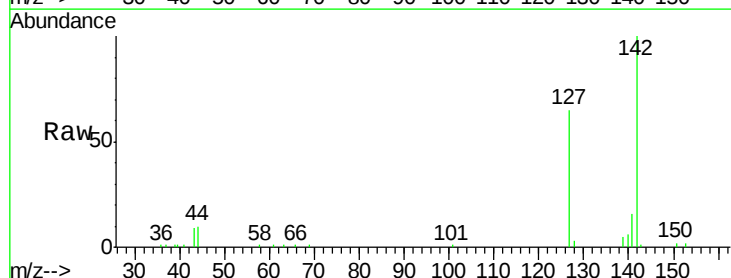
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS03

Tot Ion	Ratio	Lower	Upper
101	100		
85	48.8	39.0	58.4
151	72.0	61.8	92.8



#10
 Methyl Iodide
 Concen: 21.24 ug/l
 RT: 2.68 min Scan# 250
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

Tgt Ion	Ratio	Lower	Upper
142	100		
127	65.1	49.4	74.0
141	16.0	13.5	20.3





#11

Tert butyl alcohol

Concen: 102.29 ug/l

RT: 3.26 min Scan# 309

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

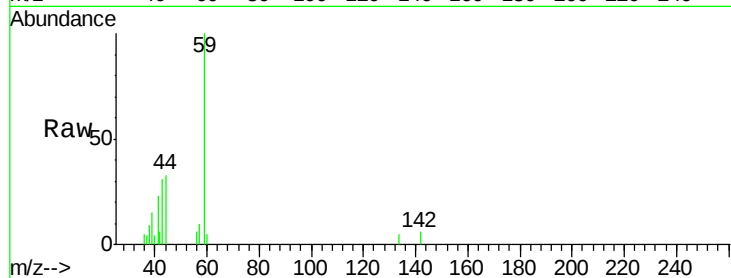
VD0620SBS03

Tot Ion: 59 Resp: 29083

Ion Ratio Lower Upper

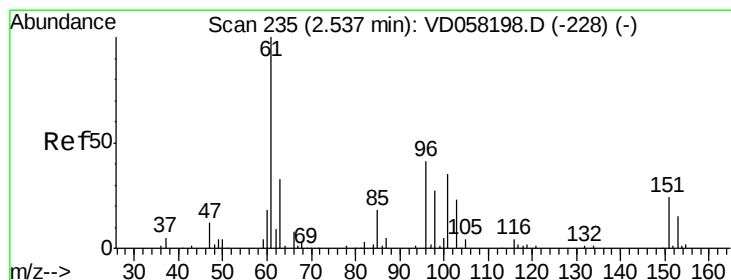
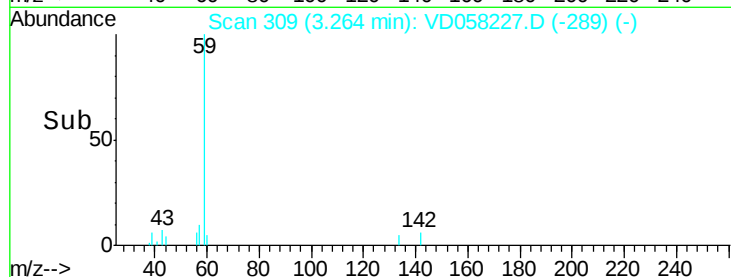
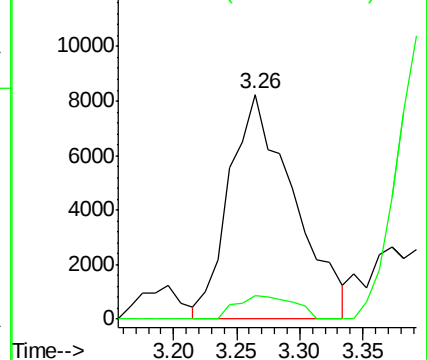
59 100

57 10.2 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 22.05 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

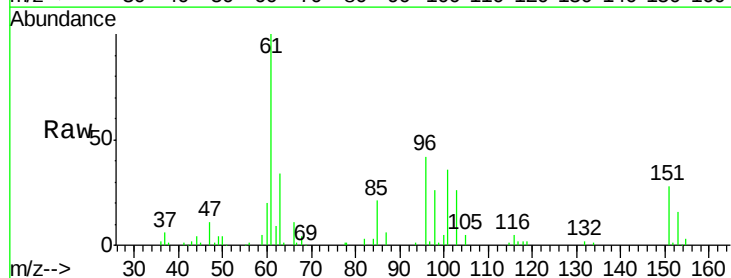
Tgt Ion: 96 Resp: 64647

Ion Ratio Lower Upper

96 100

61 239.9 193.9 290.9

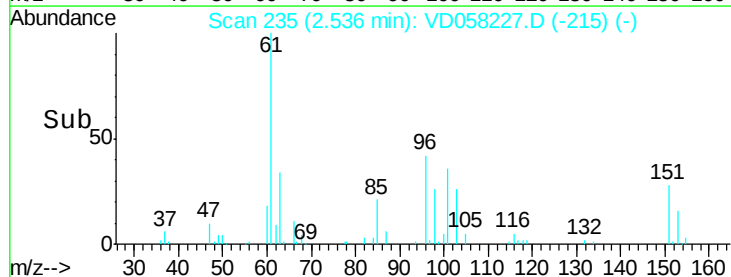
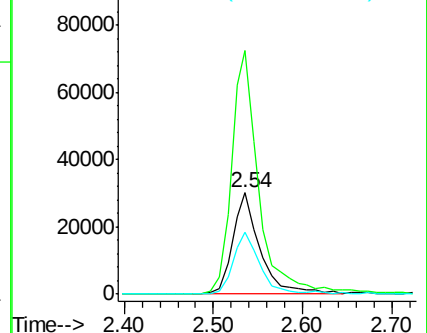
98 61.3 51.7 77.5

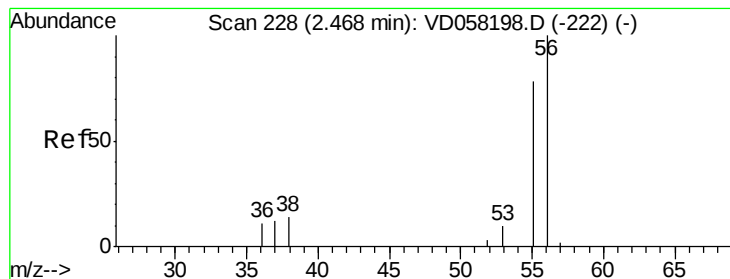


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 122.49 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

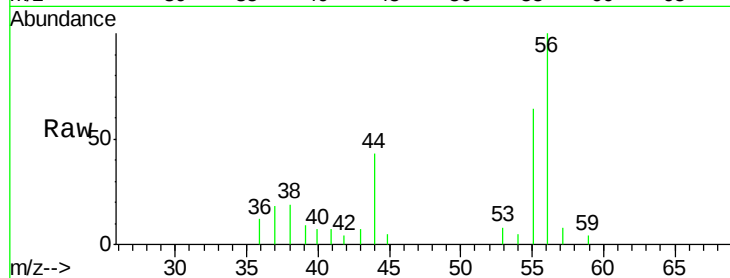
VD0620SBS03

Tot Ion: 56 Resp: 19881

Ion Ratio Lower Upper

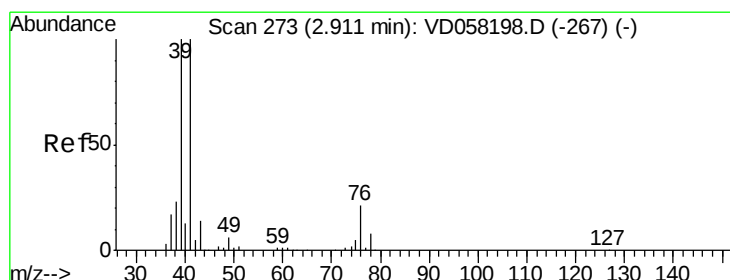
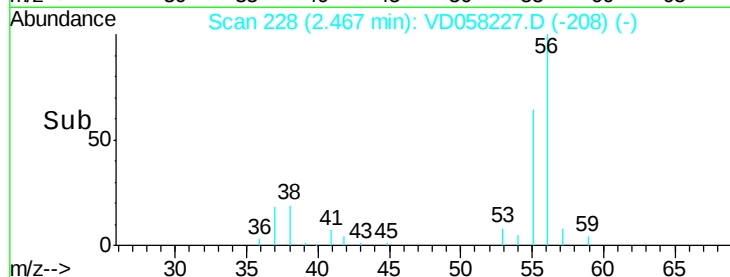
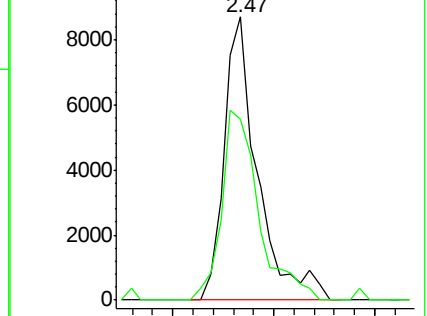
56 100

55 63.7 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: 21.71 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

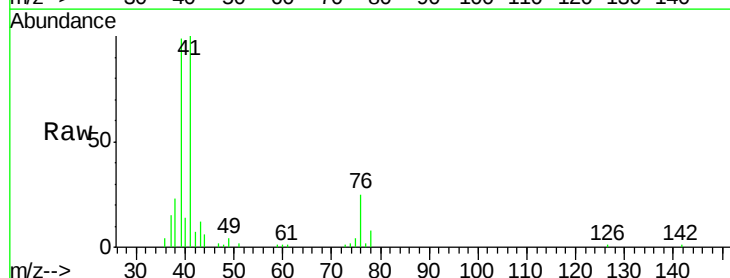
Tgt Ion: 41 Resp: 148129

Ion Ratio Lower Upper

41 100

39 99.1 80.1 120.1

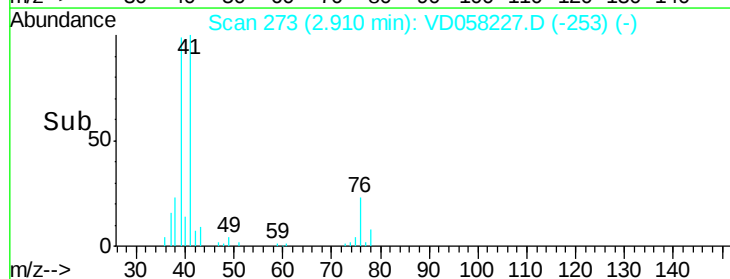
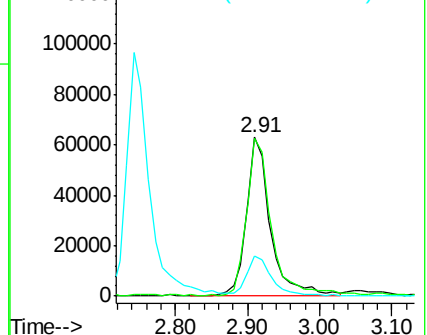
76 25.3 19.4 29.2

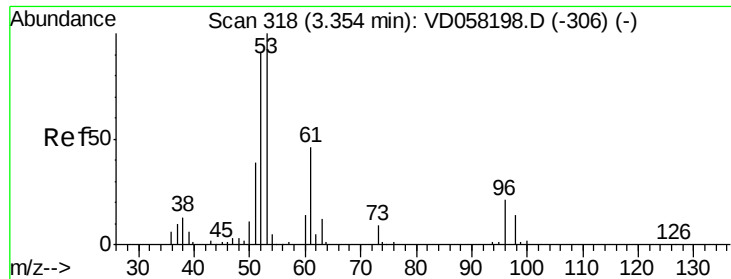


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 113.02 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

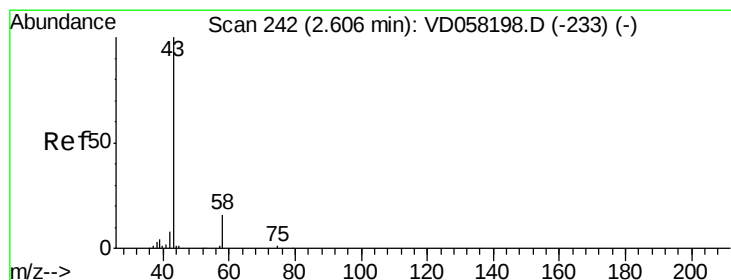
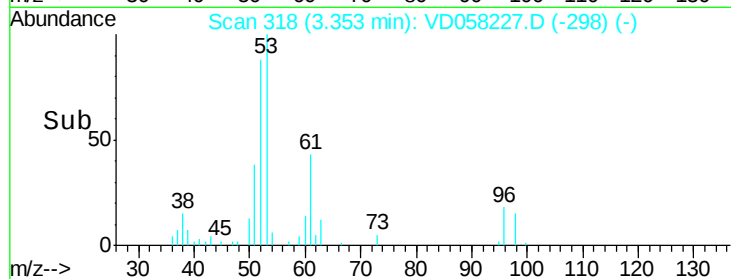
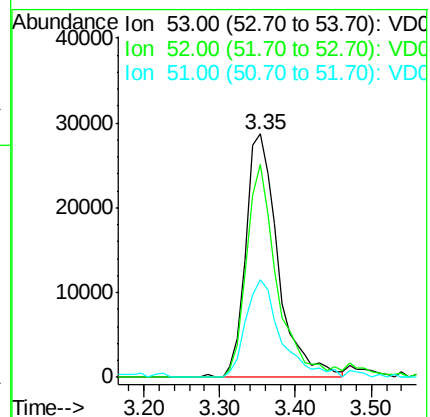
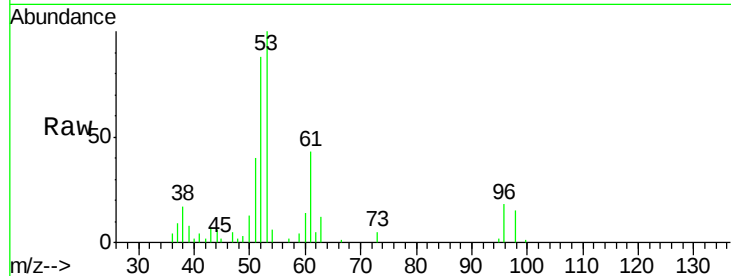
Tot Ion: 53 Resp: 85205

Ion Ratio Lower Upper

53 100

52 87.7 72.6 108.8

51 40.3 32.2 48.4



#16

Acetone

Concen: 97.30 ug/l

RT: 2.60 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD058227.D

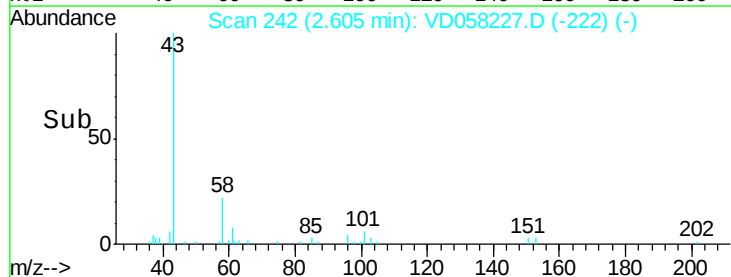
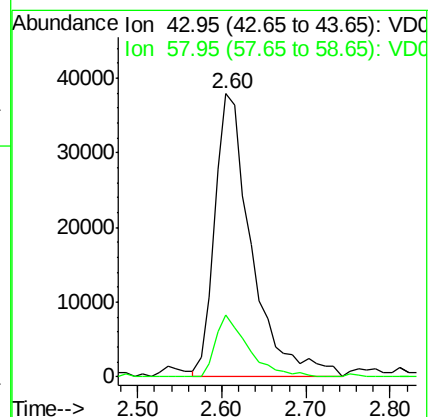
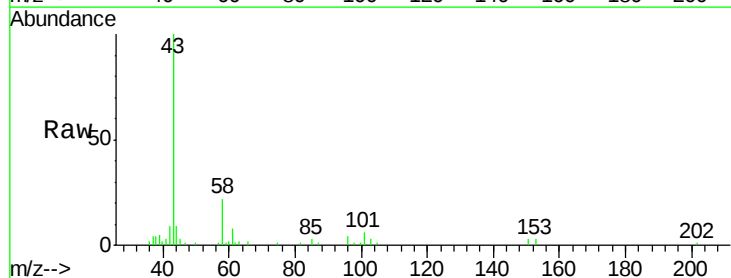
Acq: 21 Jun 2018 1:16

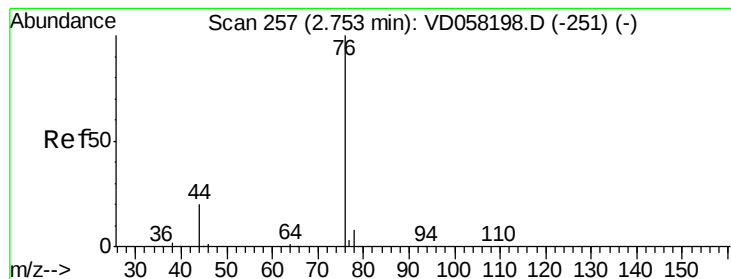
Tgt Ion: 43 Resp: 114705

Ion Ratio Lower Upper

43 100

58 21.7 12.7 19.1#





#17

Carbon Disulfide

Concen: 21.24 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

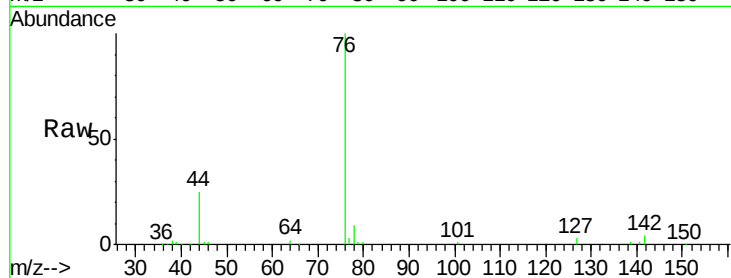
VD0620SBS03

Tot Ion: 76 Resp: 211886

Ion Ratio Lower Upper

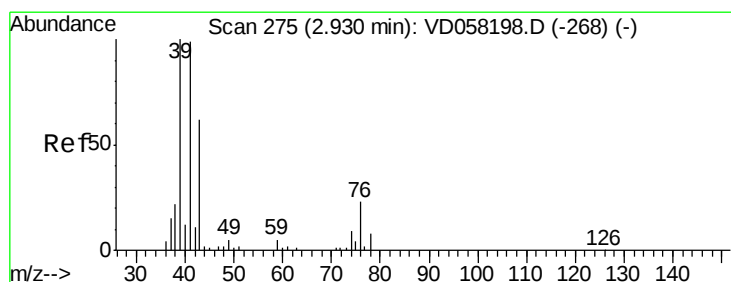
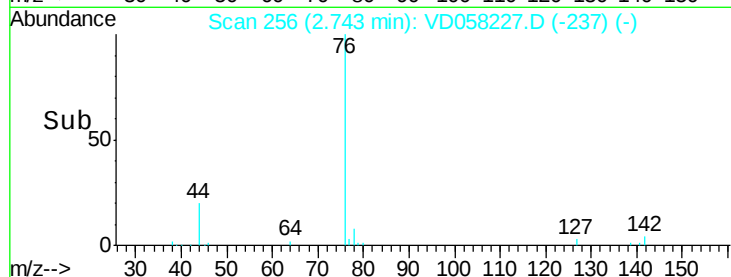
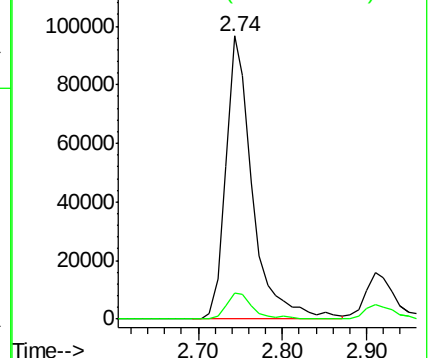
76 100

78 9.4 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.91 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD058227.D

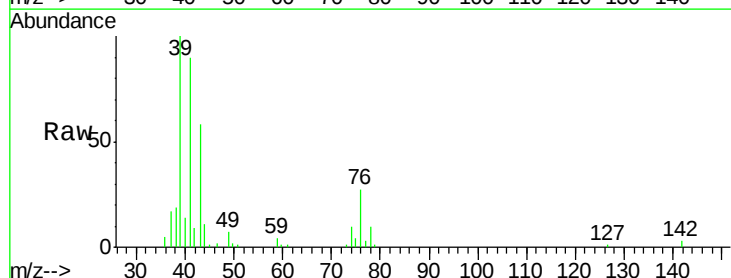
Acq: 21 Jun 2018 1:16

Tgt Ion: 43 Resp: 50050

Ion Ratio Lower Upper

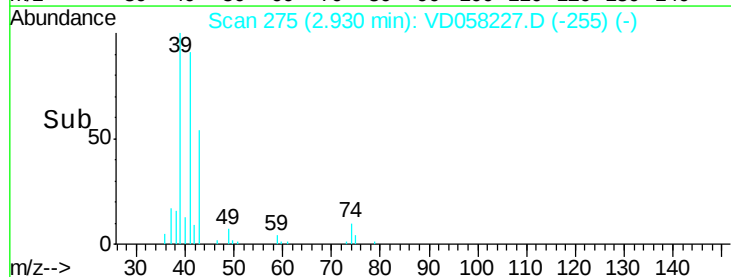
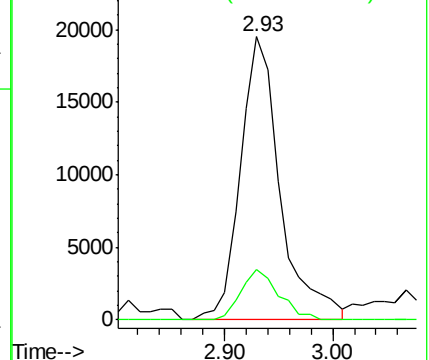
43 100

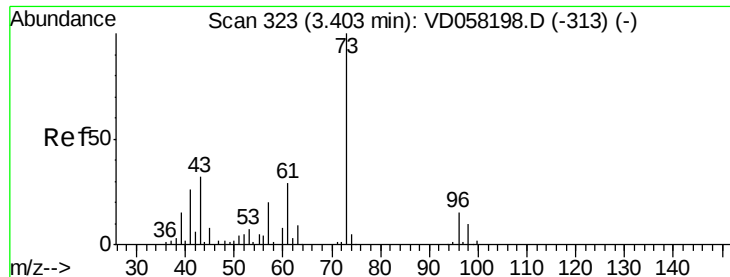
74 17.8 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

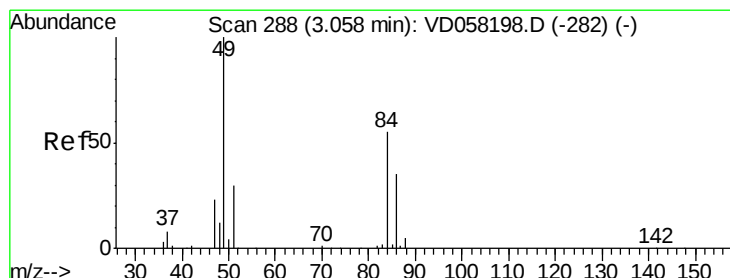
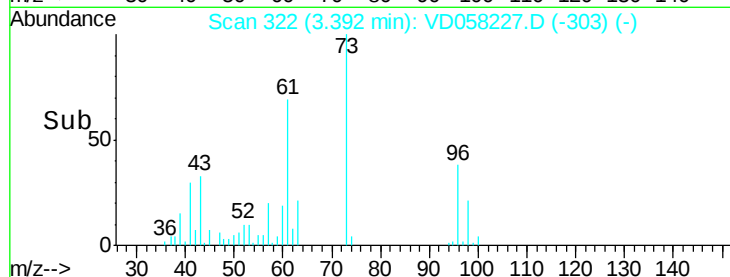
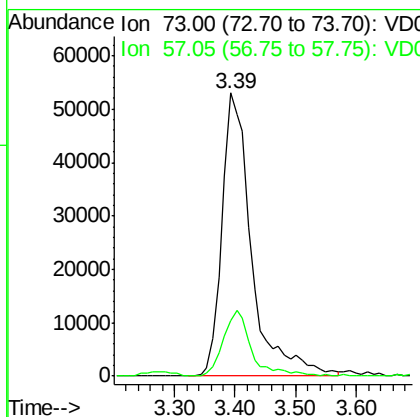
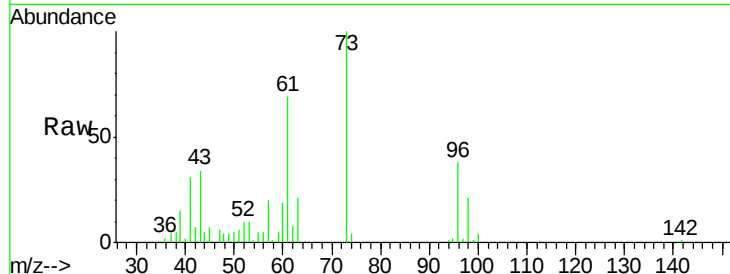




#19
Methvl tert-butvl Ether
Concen: 23.15 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.01 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

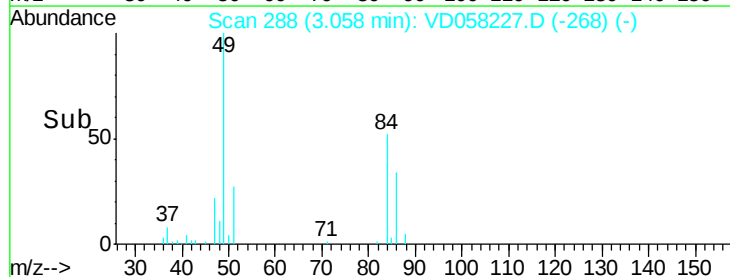
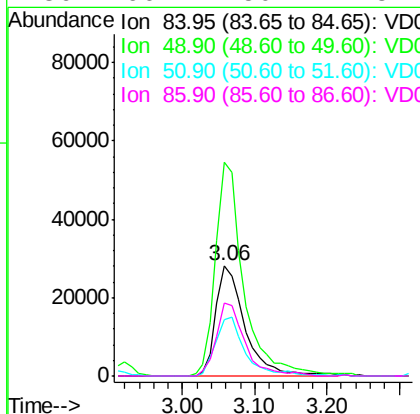
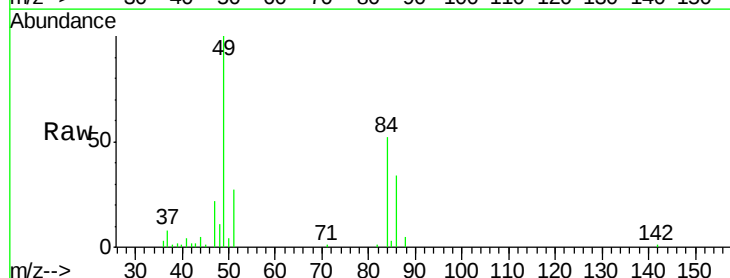
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

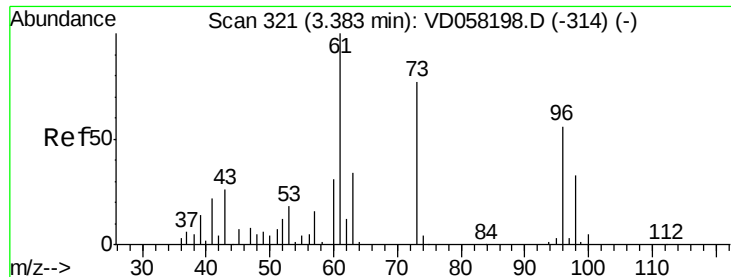
Tot Ion: 73 Resp: 180003
Ion Ratio Lower Upper
73 100
57 19.6 16.6 24.8



#20
Methylene Chloride
Concen: 23.14 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.00 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Tgt Ion: 84 Resp: 79101
Ion Ratio Lower Upper
84 100
49 193.1 145.0 217.6
51 51.4 42.9 64.3
86 66.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 21.76 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

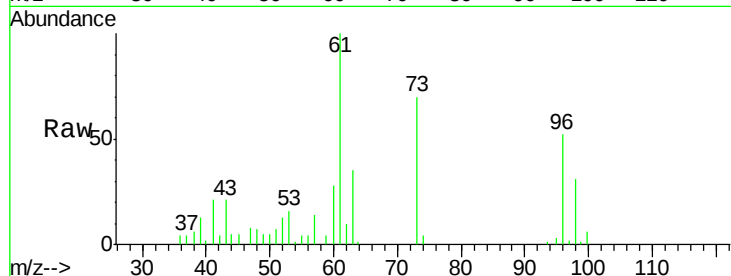
Tot Ion: 96 Resp: 69722

Ion Ratio Lower Upper

96 100

61 191.4 143.8 215.6

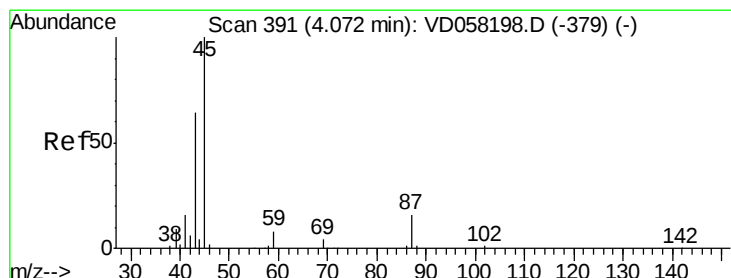
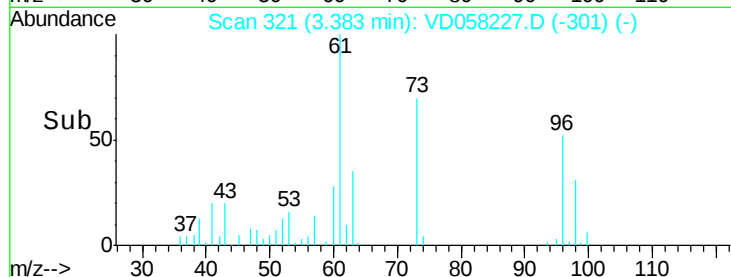
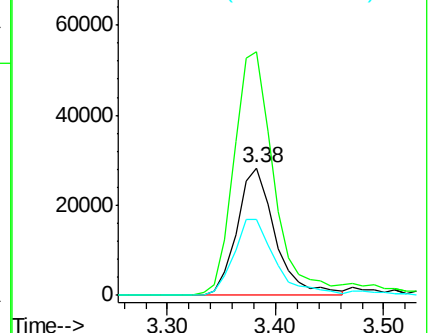
98 59.7 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.58 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Tgt Ion: 45 Resp: 557766

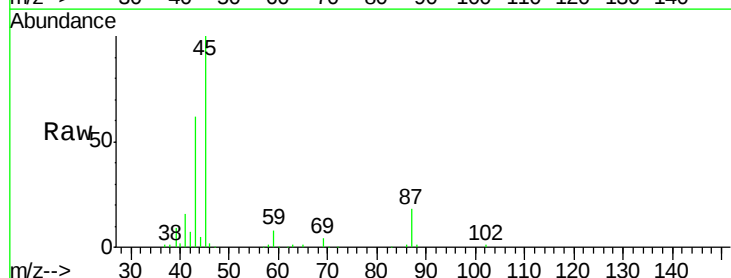
Ion Ratio Lower Upper

45 100

43 62.5 51.4 77.0

87 17.7 13.0 19.4

59 8.0 6.9 10.3

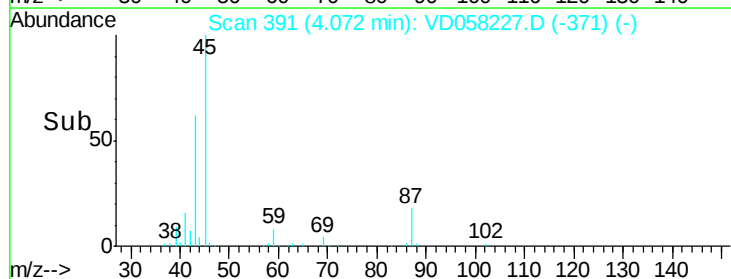
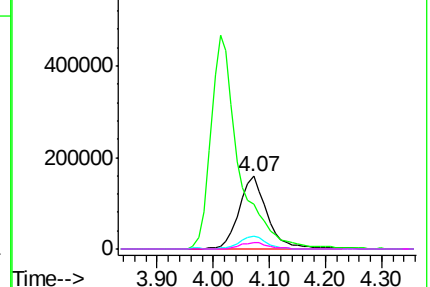


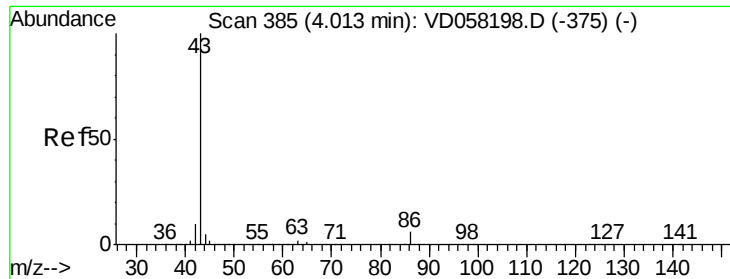
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 111.46 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

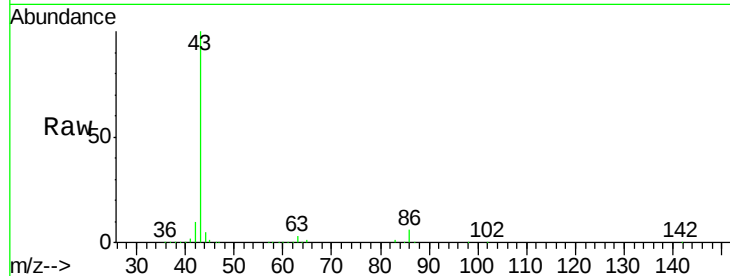
VD0620SBS03

Tot Ion: 43 Resp: 1619456

Ion Ratio Lower Upper

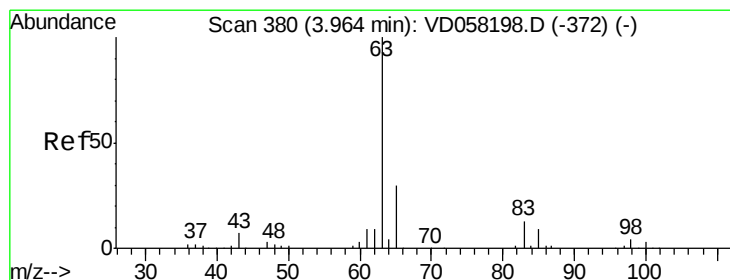
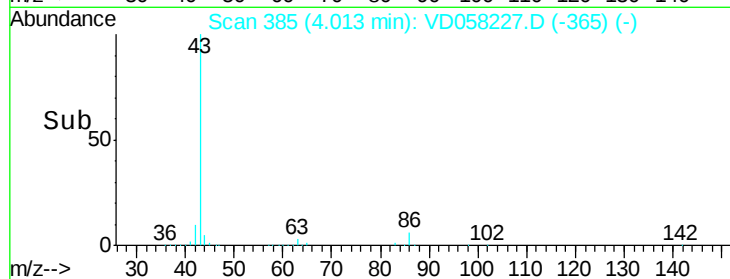
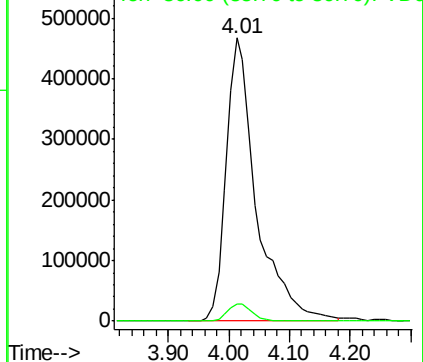
43 100

86 6.0 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.55 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

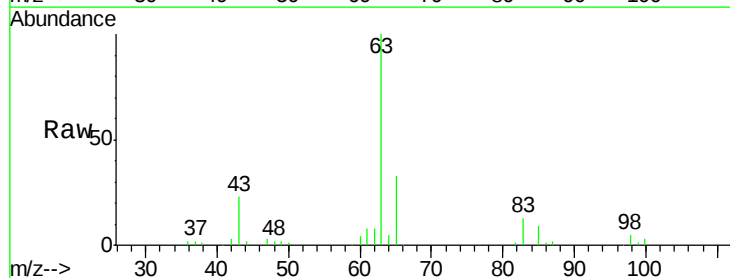
Tgt Ion: 63 Resp: 329341

Ion Ratio Lower Upper

63 100

98 4.9 1.9 5.7

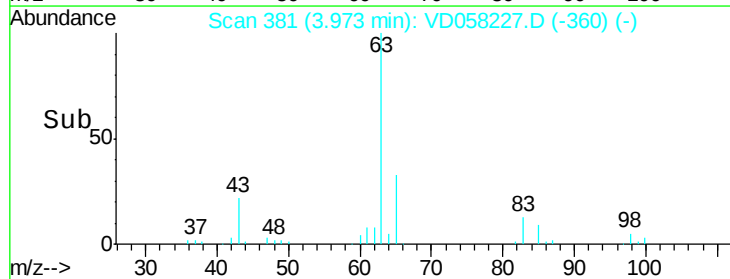
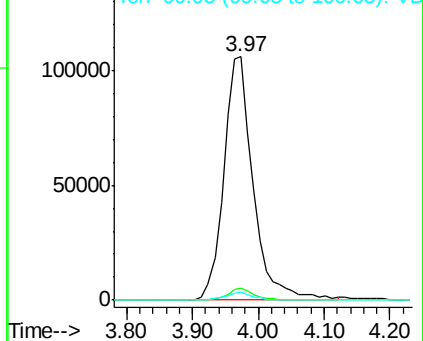
100 3.1 1.3 3.9

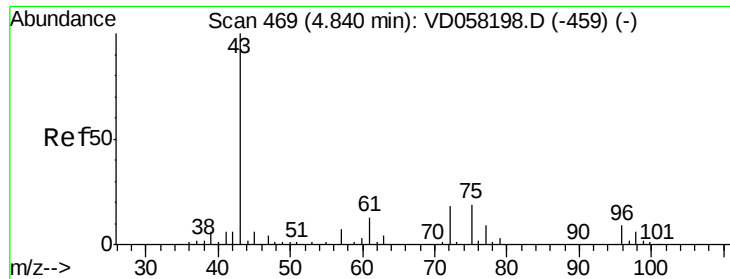


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 100.32 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

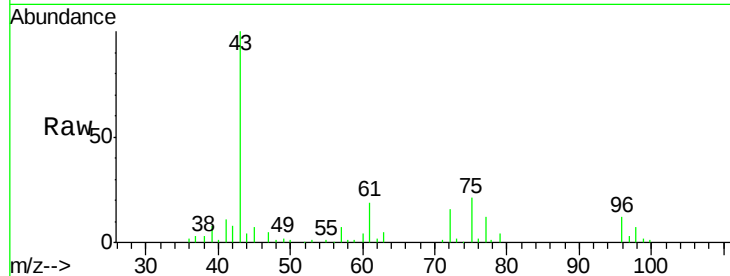
VD0620SBS03

Tot Ion: 43 Resp: 257753

Ion Ratio Lower Upper

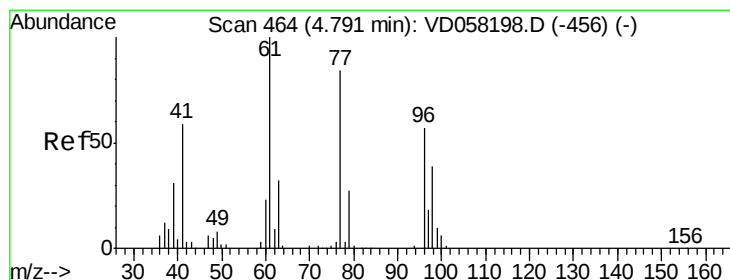
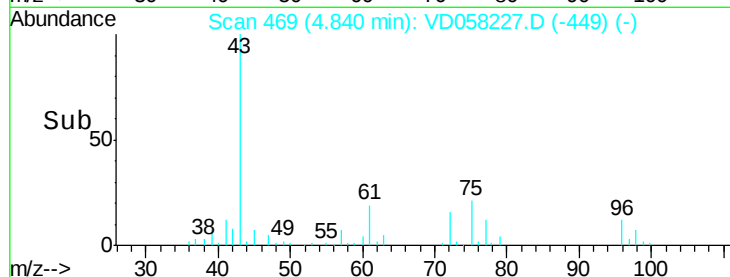
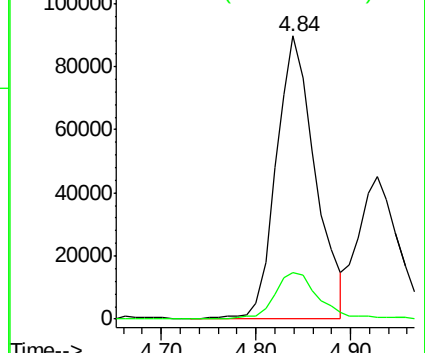
43 100

72 16.3 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: 18.66 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058227.D

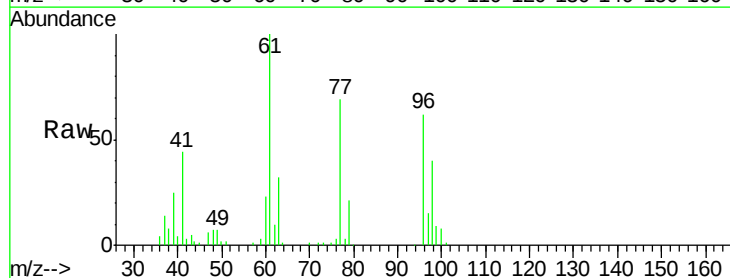
Acq: 21 Jun 2018 1:16

Tgt Ion: 77 Resp: 228161

Ion Ratio Lower Upper

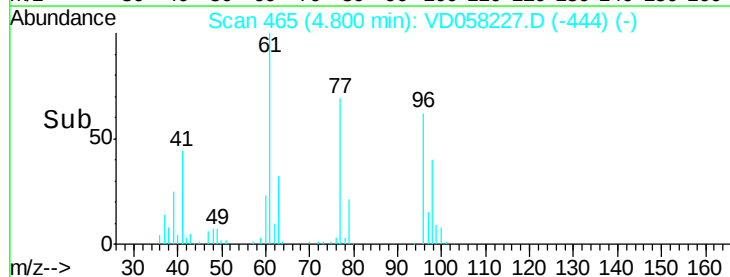
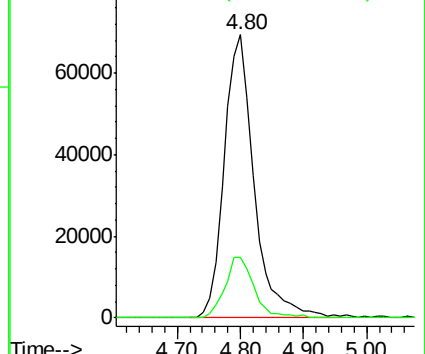
77 100

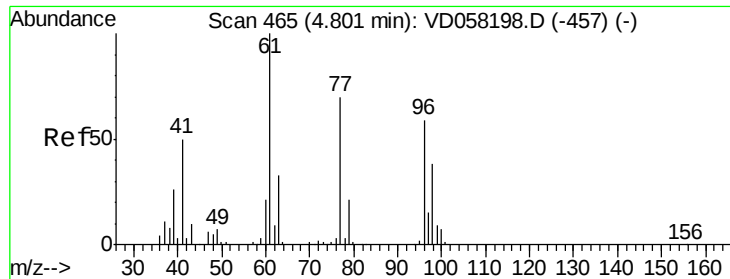
97 21.6 10.5 31.6



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: 21.64 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

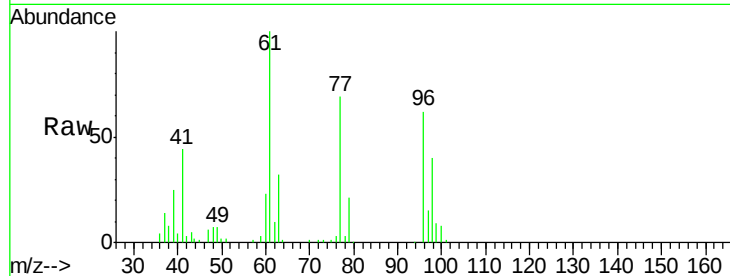
Tot Ion: 96 Resp: 173307

Ion Ratio Lower Upper

96 100

61 162.4 0.0 338.6

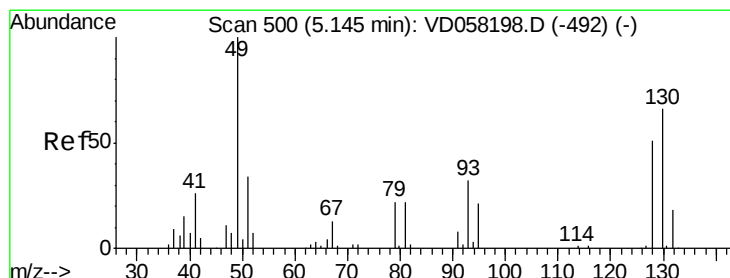
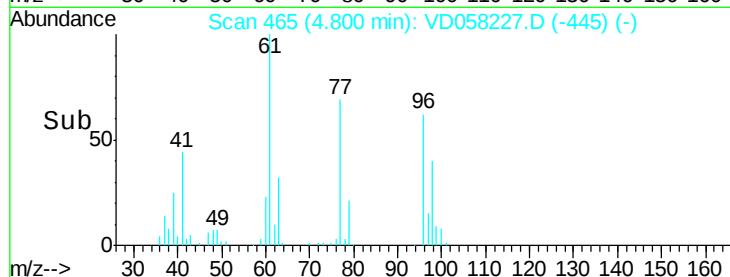
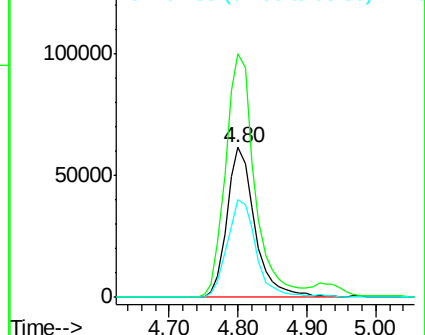
98 64.9 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 22.42 ug/l

RT: 5.14 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

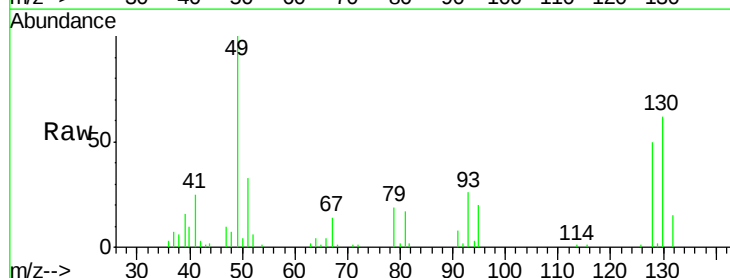
Tgt Ion: 49 Resp: 146771

Ion Ratio Lower Upper

49 100

129 1.7 0.0 0.0#

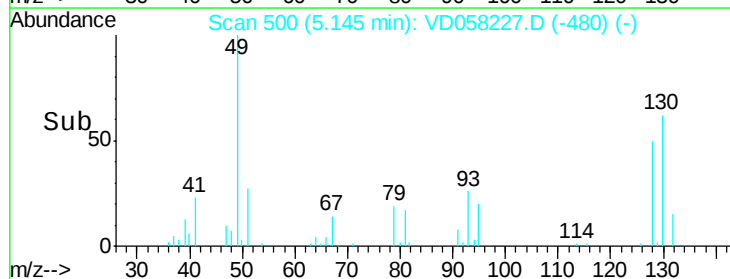
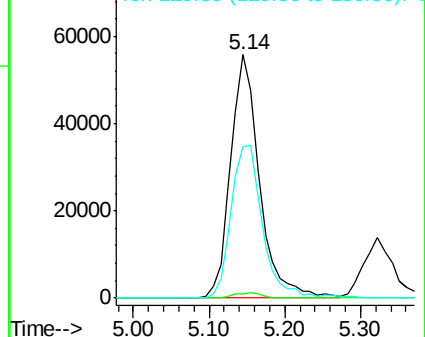
130 62.2 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

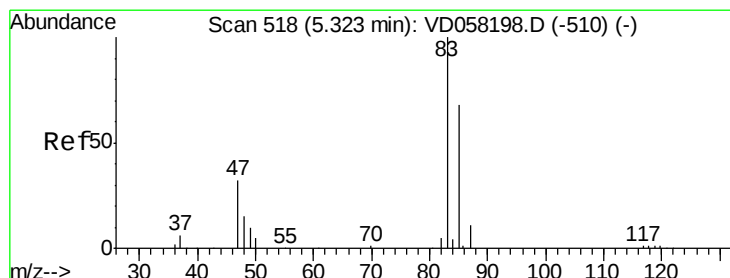
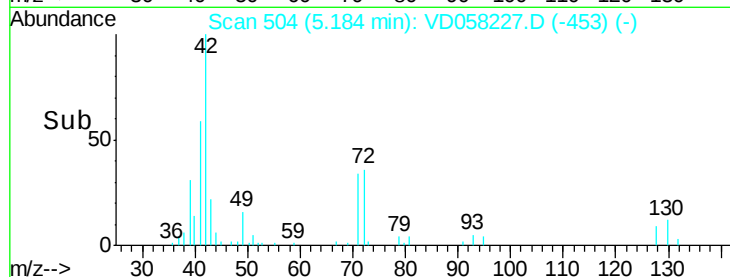
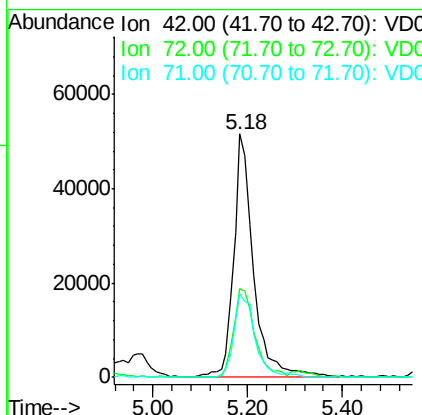
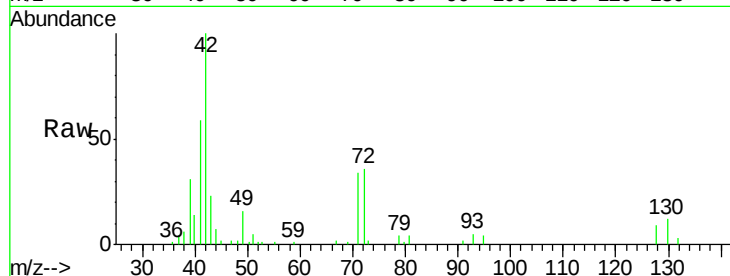




#29
Tetrahydrofuran
Concen: 109.40 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

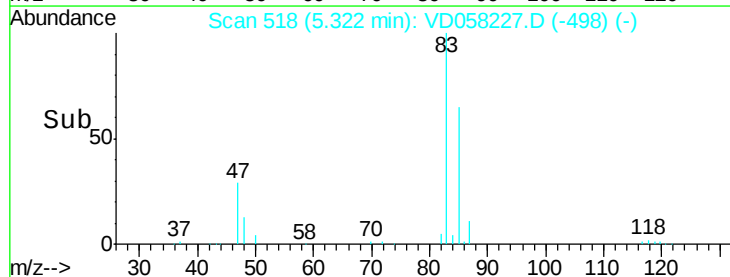
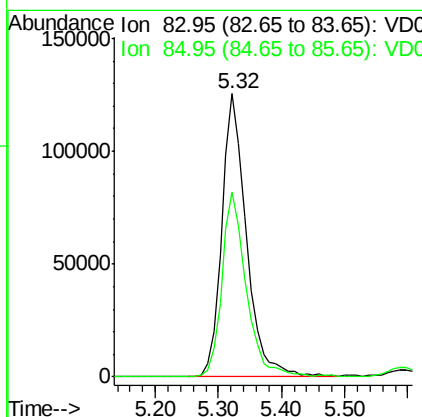
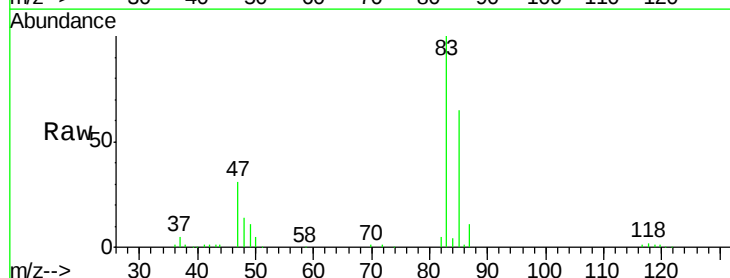
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

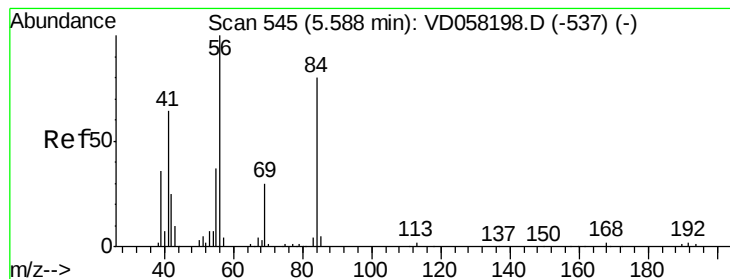
Tot Ion: 42 Resp: 149618
Ion Ratio Lower Upper
42 100
72 38.8 30.2 45.2
71 36.0 30.1 45.1



#30
Chloroform
Concen: 22.05 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Tgt Ion: 83 Resp: 339847
Ion Ratio Lower Upper
83 100
85 65.3 54.8 82.2





#31

Cyclohexane

Concen: 21.90 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

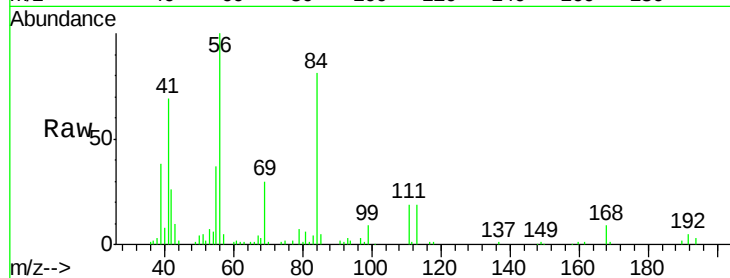
Tot Ion: 56 Resp: 263295

Ion Ratio Lower Upper

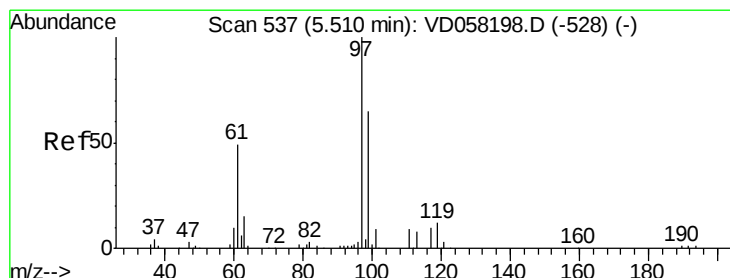
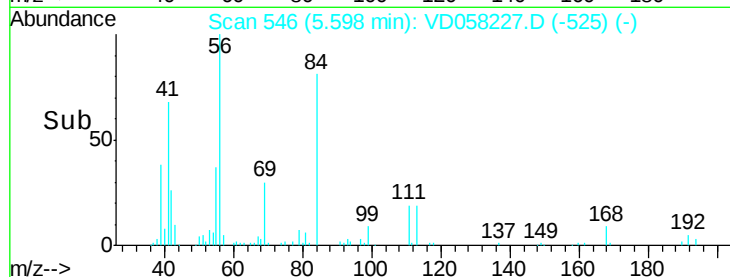
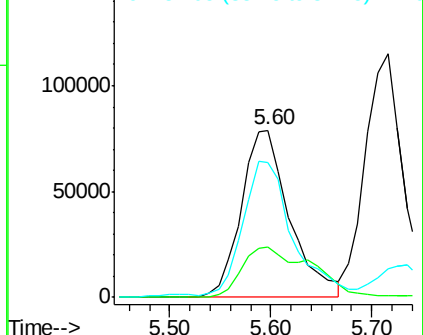
56 100

69 30.1 23.6 35.4

84 80.5 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 21.28 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

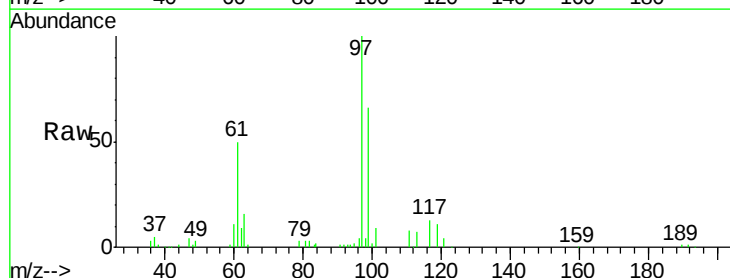
Tgt Ion: 97 Resp: 271091

Ion Ratio Lower Upper

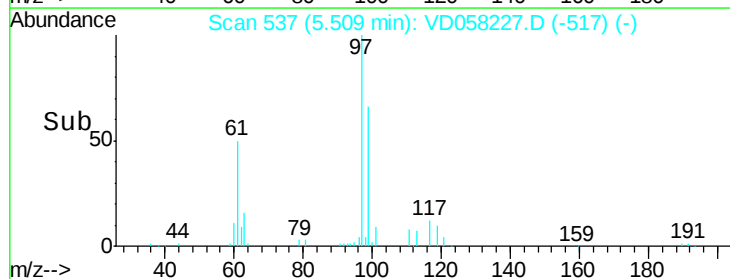
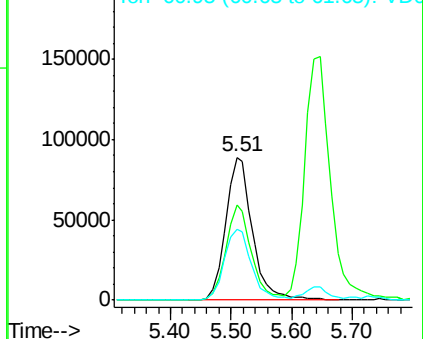
97 100

99 66.4 52.2 78.4

61 49.6 39.0 58.4



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





#33

1,2-Dichloroethane-d4

Concen: 21.28 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

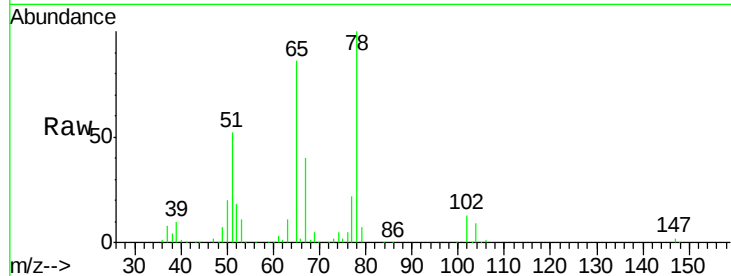
VD0620SBS03

Tot Ion: 65 Resp: 467302

Ion Ratio Lower Upper

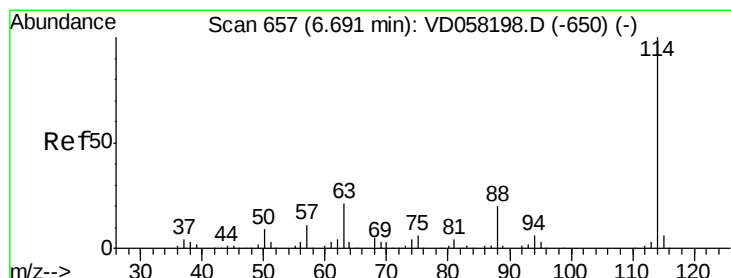
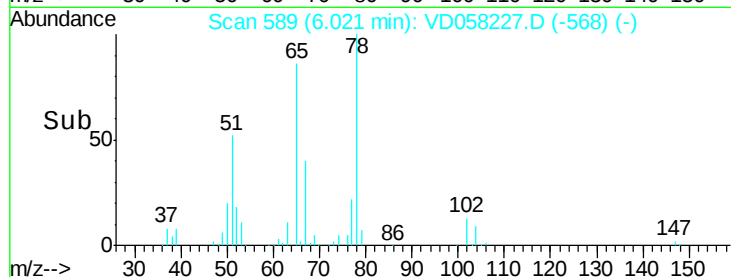
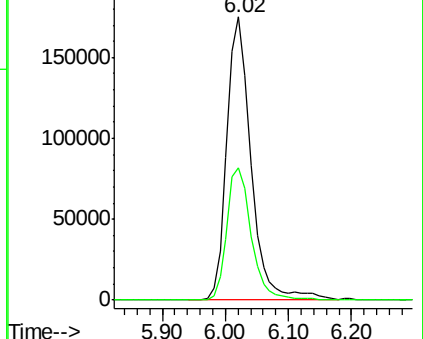
65 100

67 46.8 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

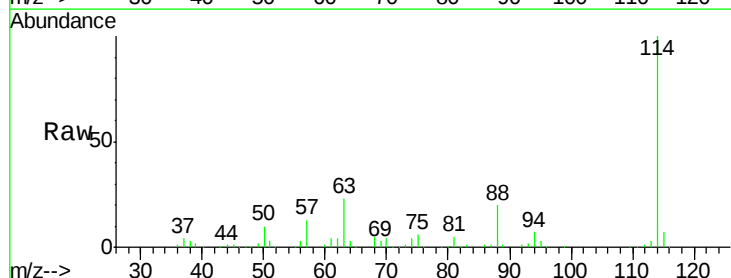
Tgt Ion:114 Resp: 1173759

Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.6

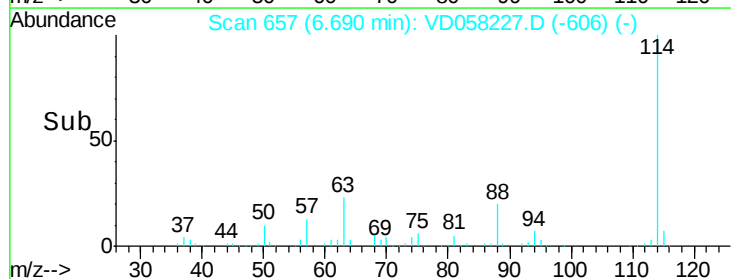
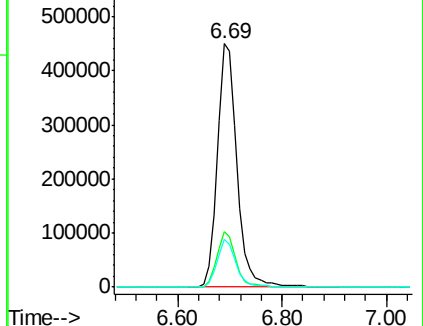
88 19.7 0.0 40.6

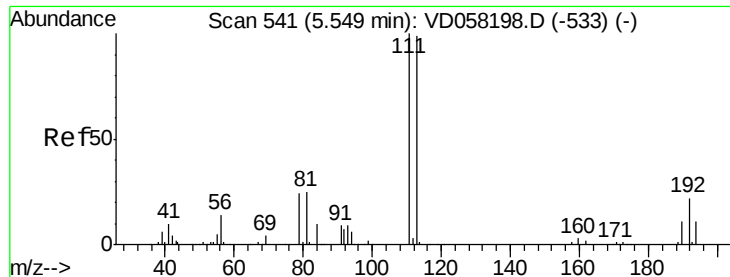


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

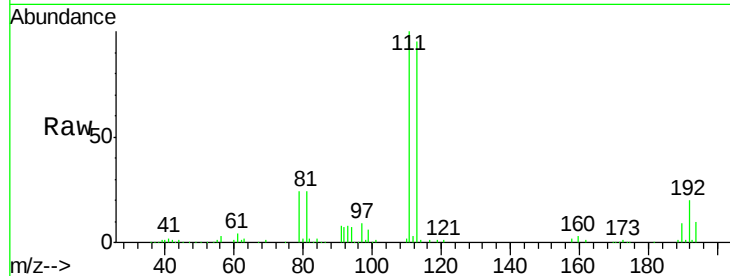
Tot Ion:113 Resp: 477376

Ion Ratio Lower Upper

113 100

111 105.5 80.6 121.0

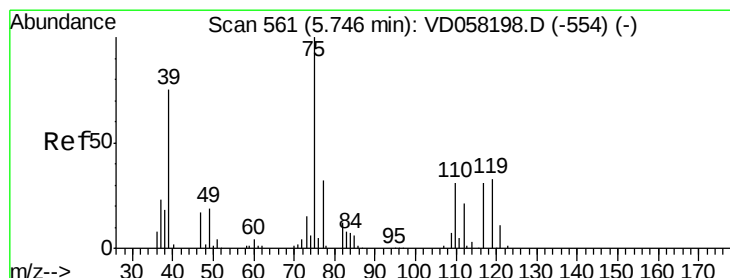
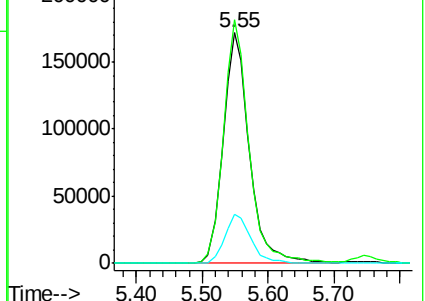
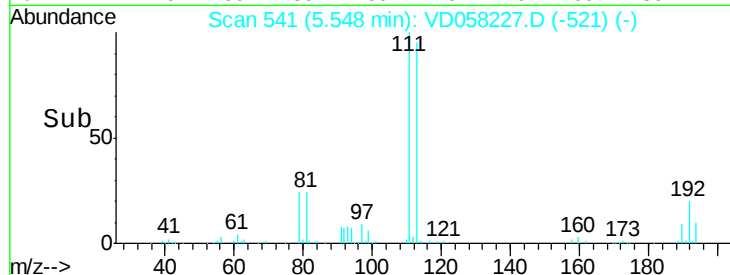
192 21.1 17.8 26.6



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: 20.28 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

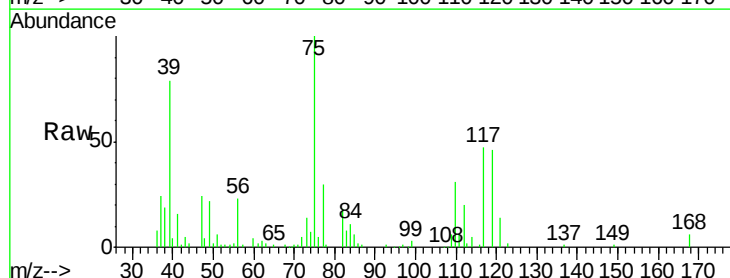
Tgt Ion: 75 Resp: 235532

Ion Ratio Lower Upper

75 100

110 31.2 15.4 46.4

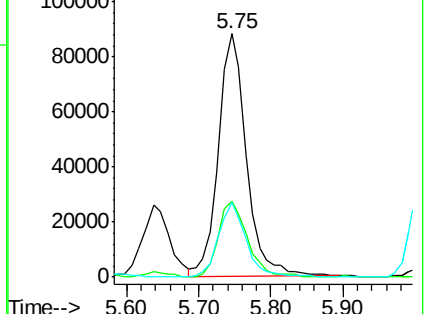
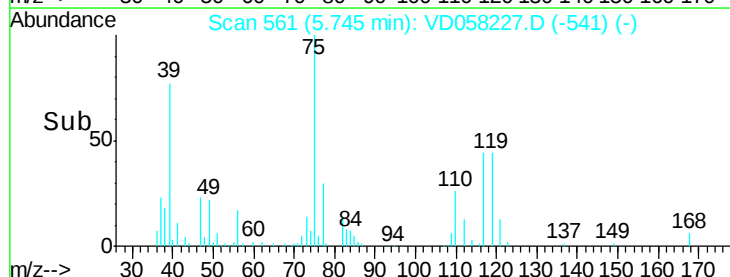
77 30.5 25.4 38.2

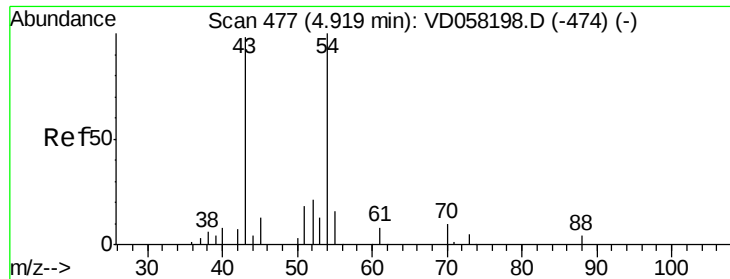


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

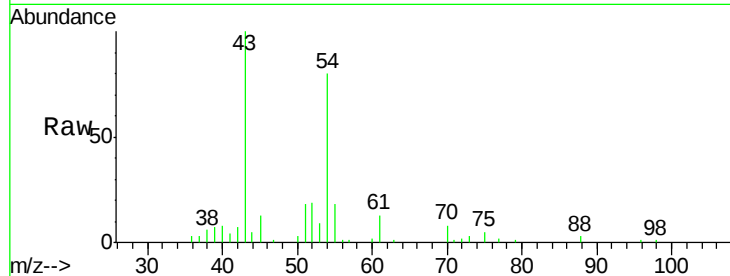




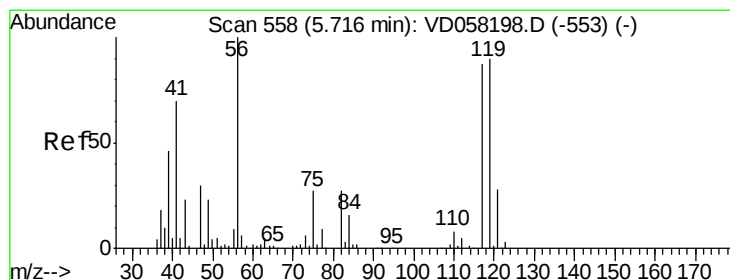
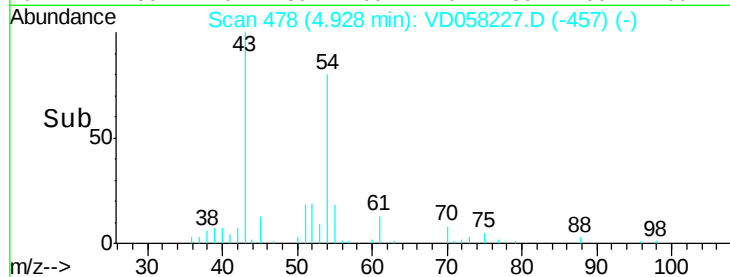
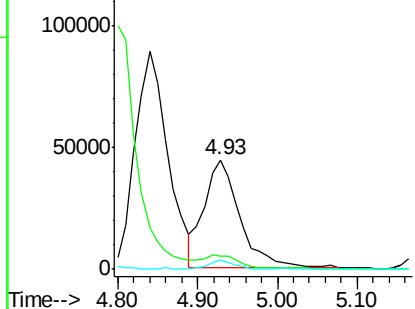
#37
Ethyl Acetate
Concen: 21.20 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

Tot Ion: 43 Resp: 140224
Ion Ratio Lower Upper
43 100
61 12.6 10.3 15.5
70 8.1 5.7 8.5

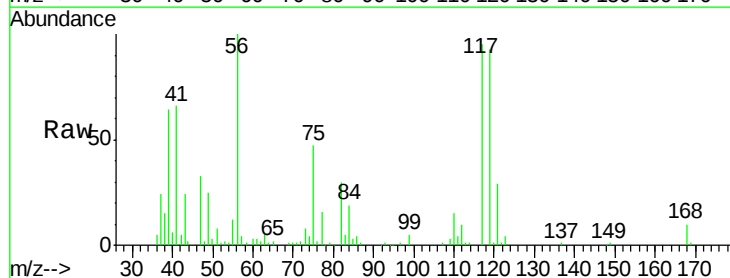


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

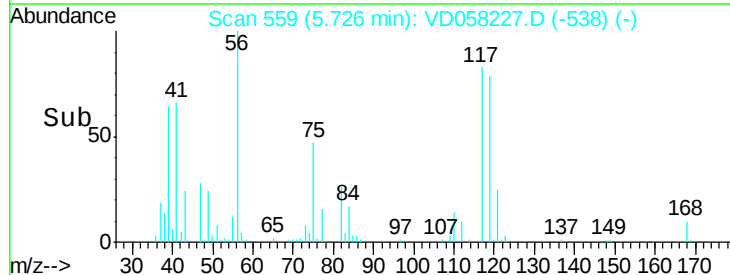
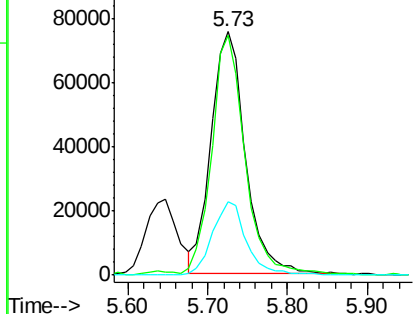


#38
Carbon Tetrachloride
Concen: 19.82 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Tgt Ion: 117 Resp: 228617
Ion Ratio Lower Upper
117 100
119 98.3 78.8 118.2
121 30.2 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

Methylcyclohexane

Concen: 20.69 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

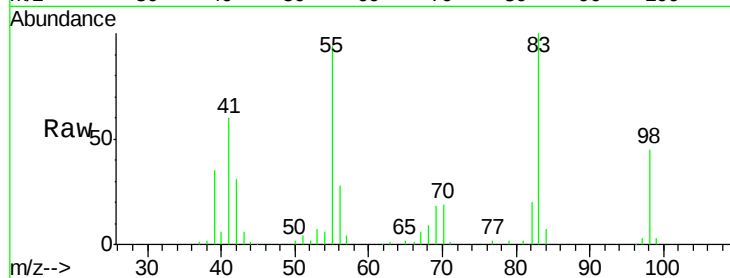
Tot Ion: 83 Resp: 234038

Ion Ratio Lower Upper

83 100

55 93.6 77.4 116.2

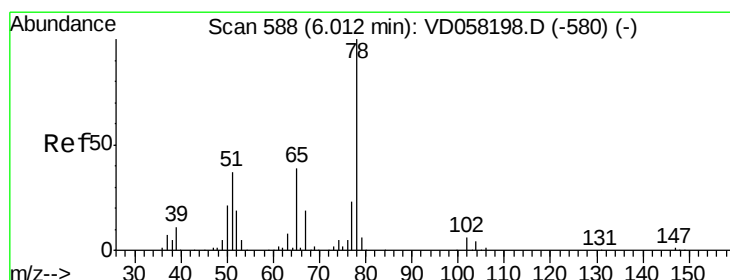
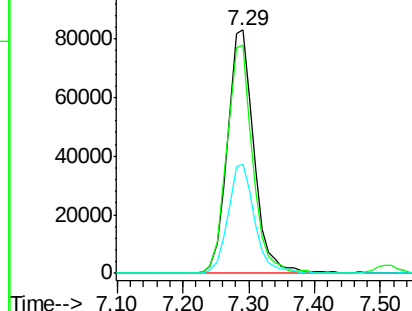
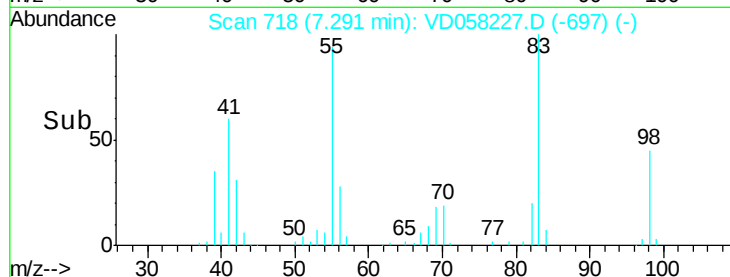
98 45.1 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.77 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058227.D

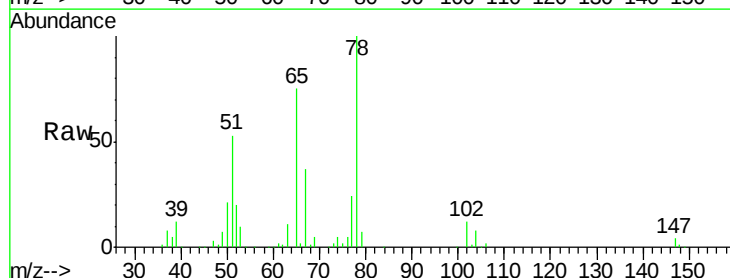
Acq: 21 Jun 2018 1:16

Tgt Ion: 78 Resp: 574379

Ion Ratio Lower Upper

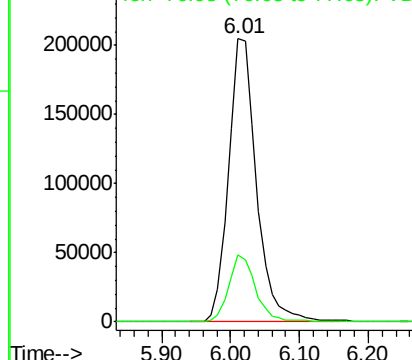
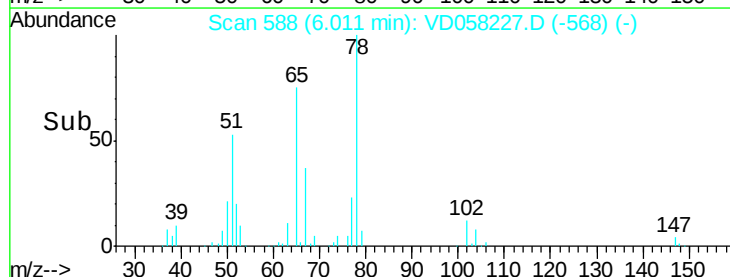
78 100

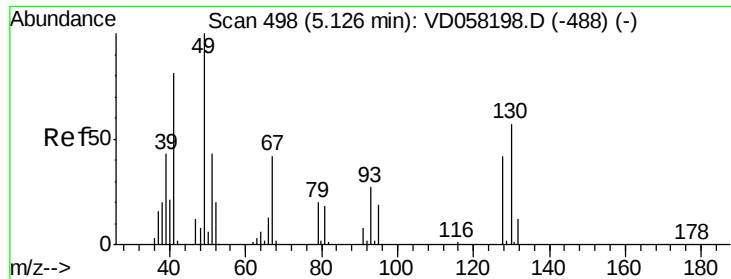
77 23.9 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.44 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

Tot Ion: 41 Resp: 65313

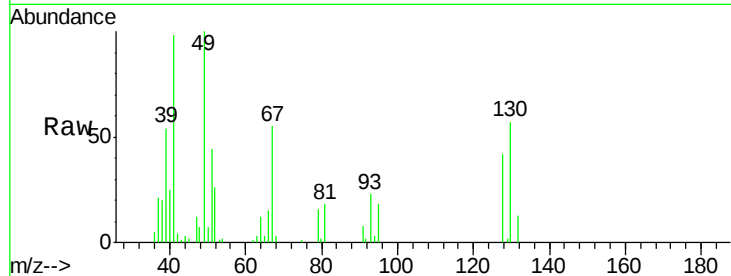
Ion Ratio Lower Upper

41 100

39 54.8 43.4 65.2

67 55.8 41.7 62.5

52 26.8 20.6 30.8

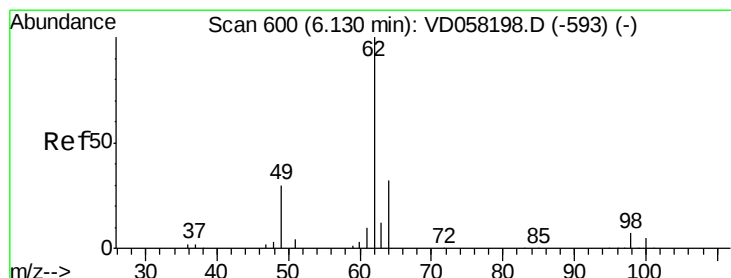
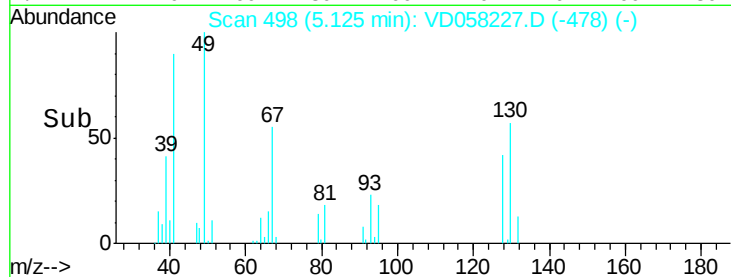
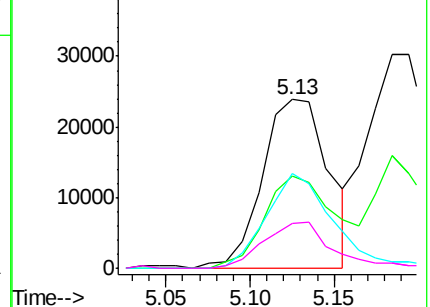


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.47 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD058227.D

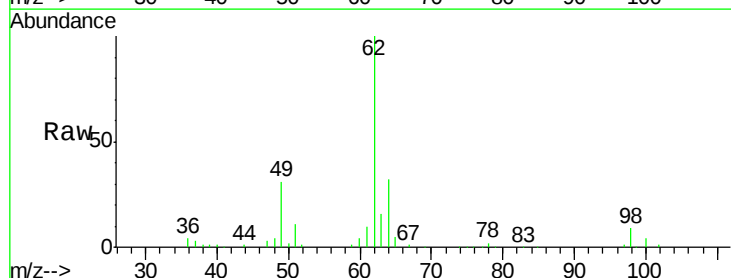
Acq: 21 Jun 2018 1:16

Tgt Ion: 62 Resp: 228323

Ion Ratio Lower Upper

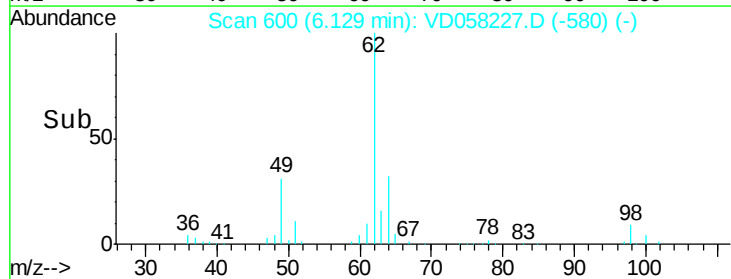
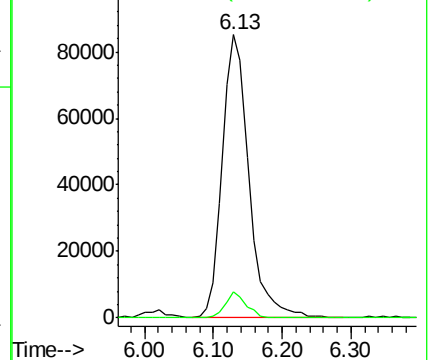
62 100

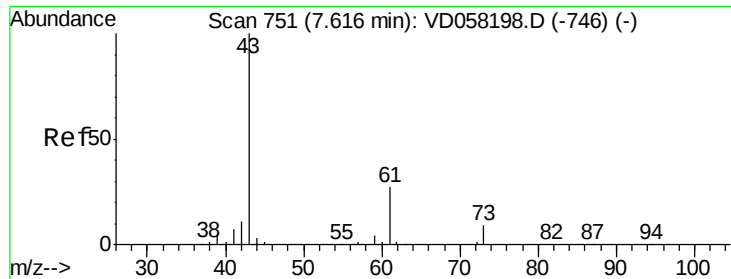
98 9.0 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.18 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

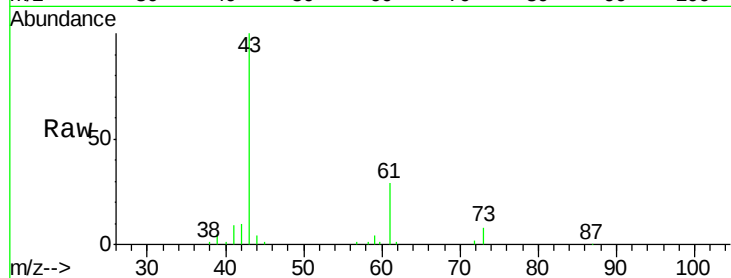
Tot Ion: 43 Resp: 177996

Ion Ratio Lower Upper

43 100

61 29.2 21.8 32.6

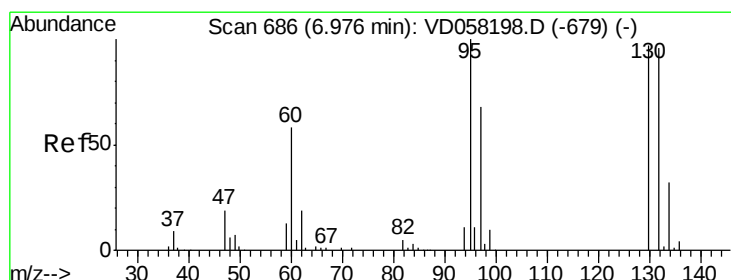
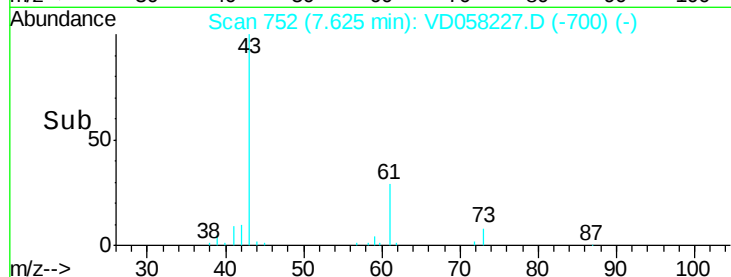
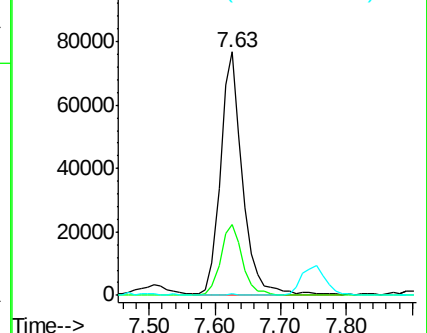
87 0.4 0.3 0.5



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: 20.86 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058227.D

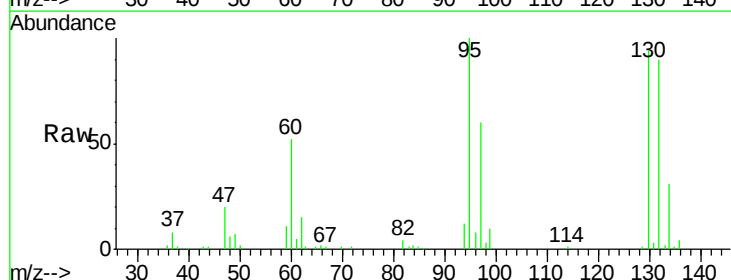
Acq: 21 Jun 2018 1:16

Tgt Ion:130 Resp: 173218

Ion Ratio Lower Upper

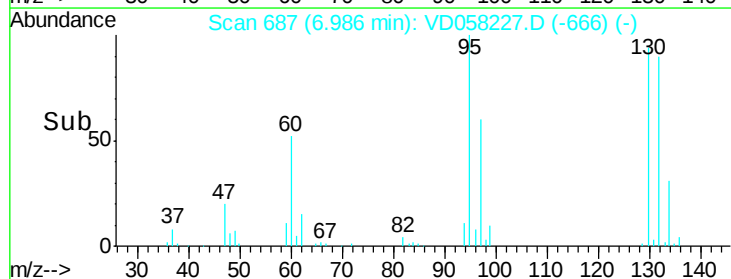
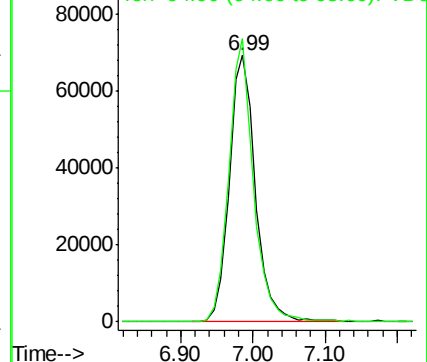
130 100

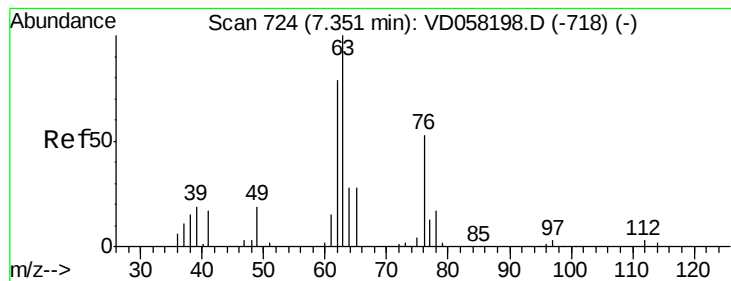
95 106.2 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.38 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

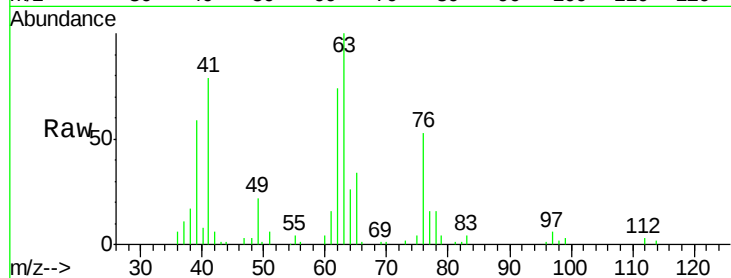
VD0620SBS03

Tot Ion: 63 Resp: 159257

Ion Ratio Lower Upper

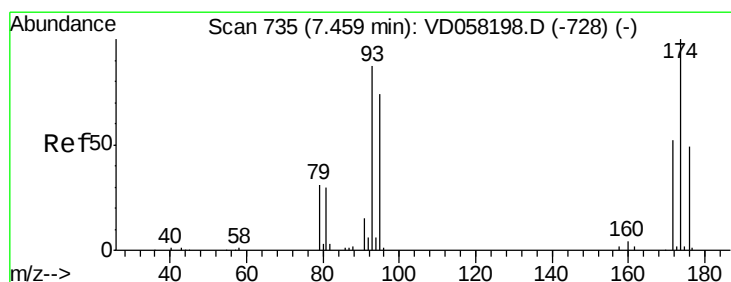
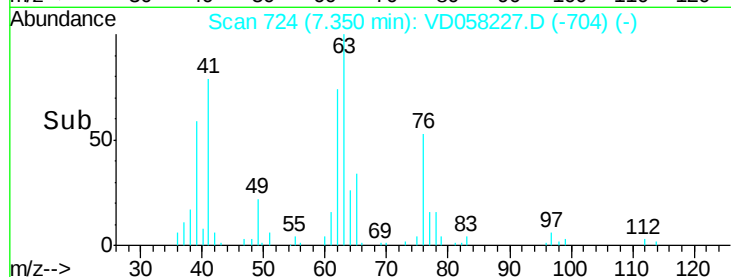
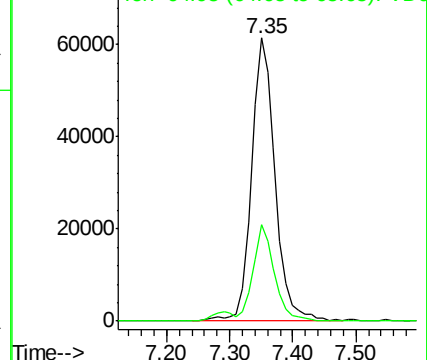
63 100

65 34.0 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: 21.24 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

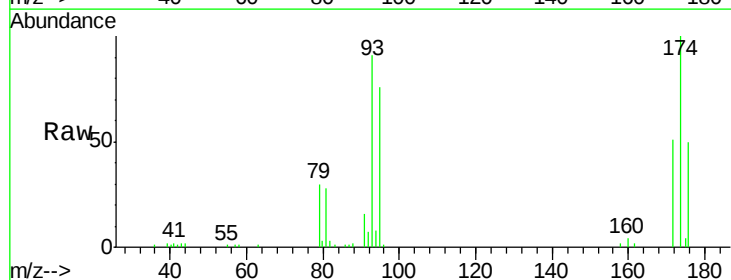
Tgt Ion: 93 Resp: 108003

Ion Ratio Lower Upper

93 100

95 83.4 67.8 101.6

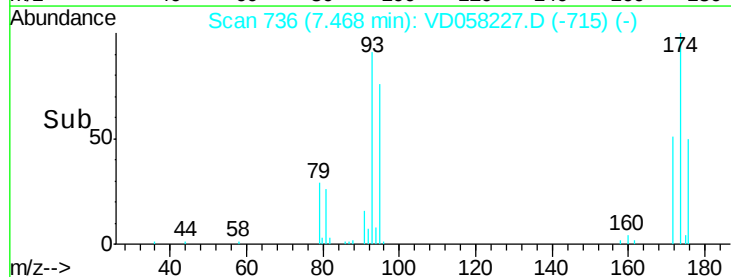
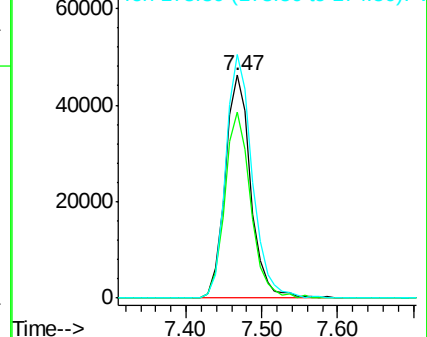
174 109.3 92.2 138.2

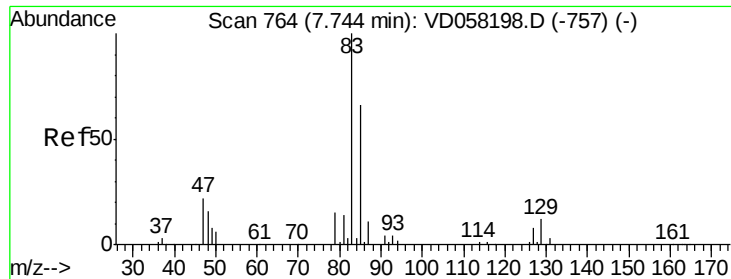


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.06 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

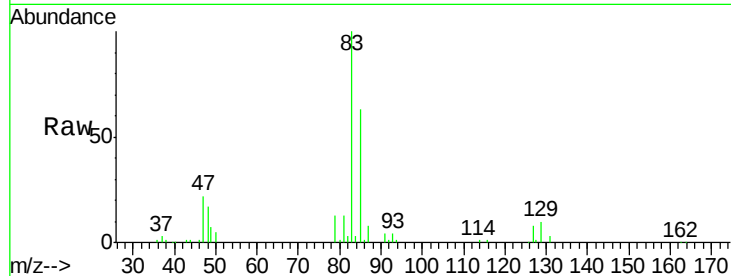
Tot Ion: 83 Resp: 232659

Ion Ratio Lower Upper

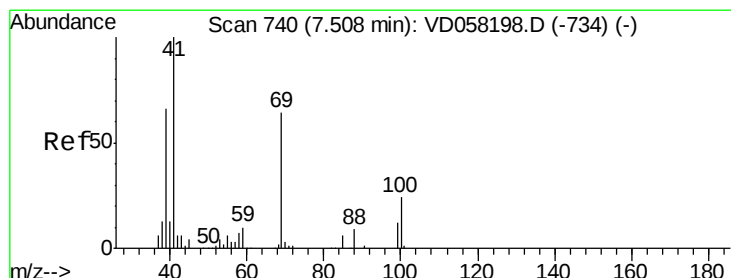
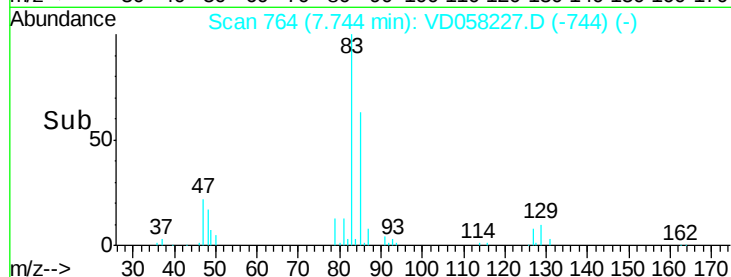
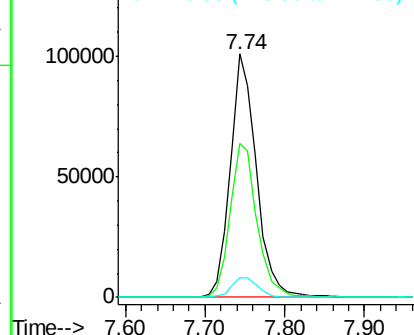
83 100

85 63.0 52.6 78.8

127 8.2 6.2 9.4



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



#48

Methyl methacrylate

Concen: 20.34 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

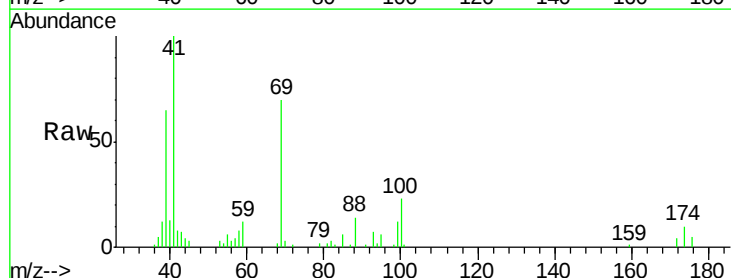
Tgt Ion: 41 Resp: 109062

Ion Ratio Lower Upper

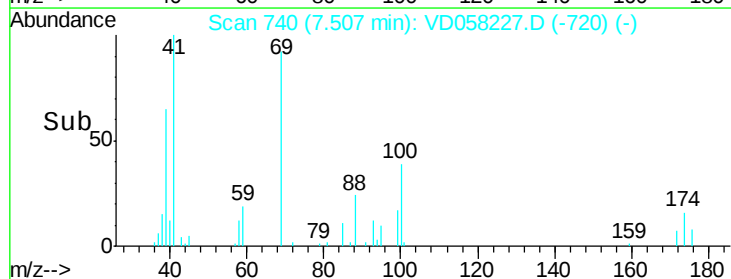
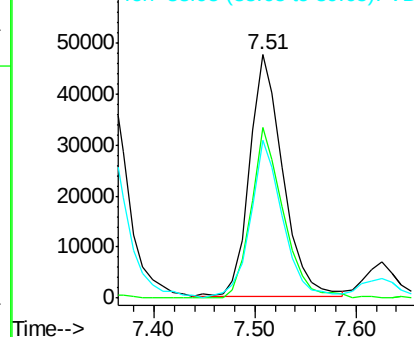
41 100

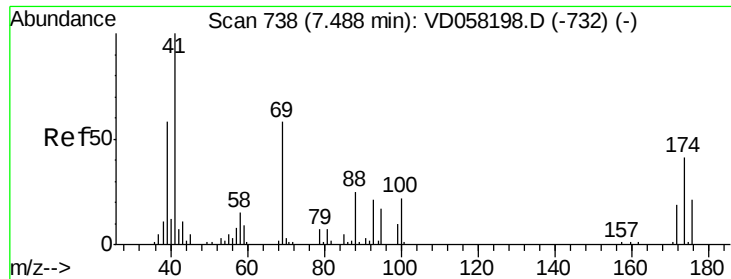
69 70.2 50.7 76.1

39 64.9 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: 456.96 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

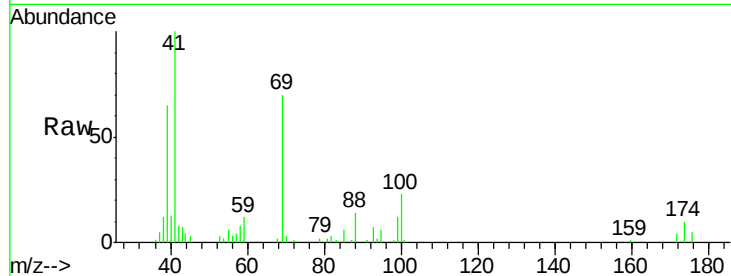
Tot Ion: 88 Resp: 22112

Ion Ratio Lower Upper

88 100

43 48.5 34.2 51.2

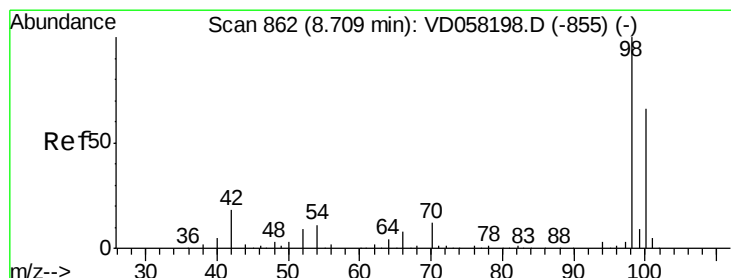
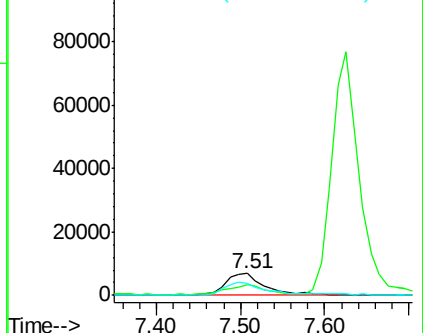
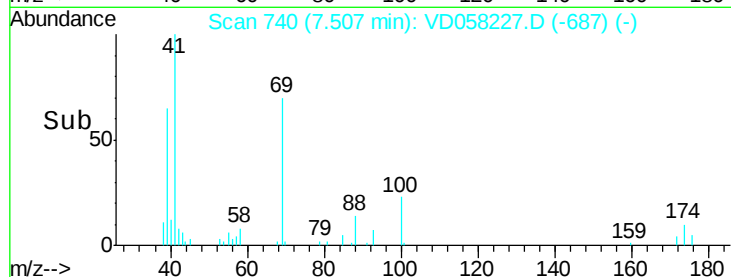
58 52.8 47.9 71.9



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 456.96 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058227.D

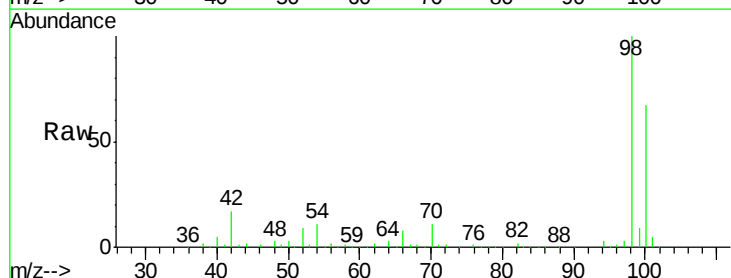
Acq: 21 Jun 2018 1:16

Tgt Ion: 98 Resp: 1148479

Ion Ratio Lower Upper

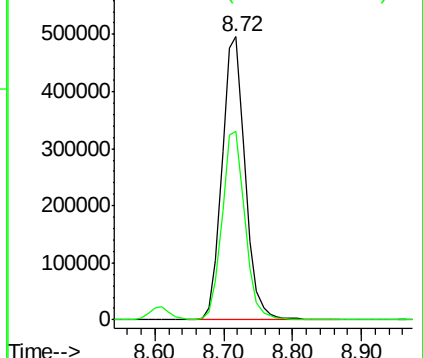
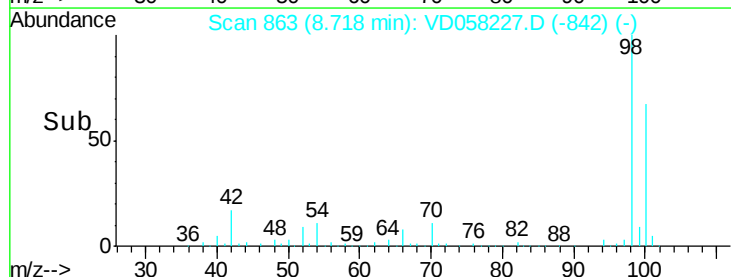
98 100

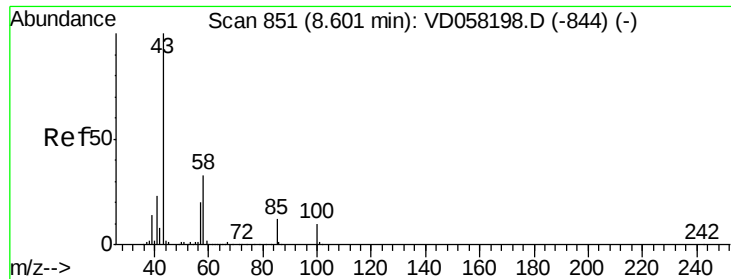
100 66.6 53.6 80.4



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: 100.60 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

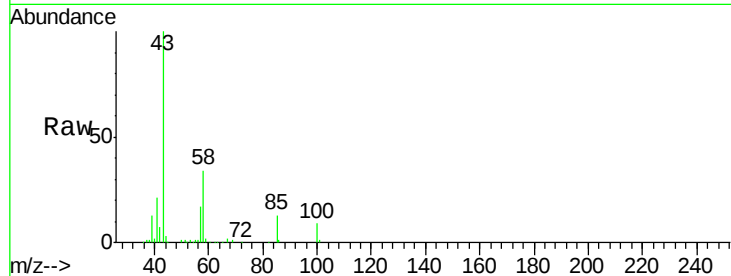
VD0620SBS03

Tot Ion: 43 Resp: 578788

Ion Ratio Lower Upper

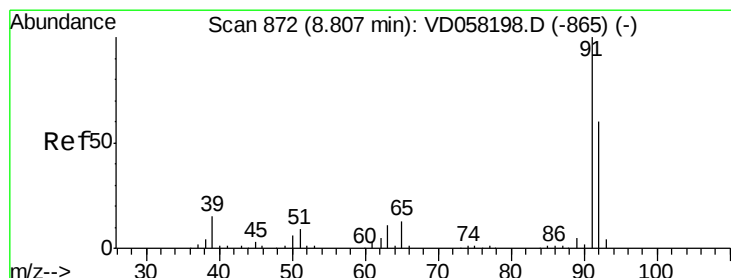
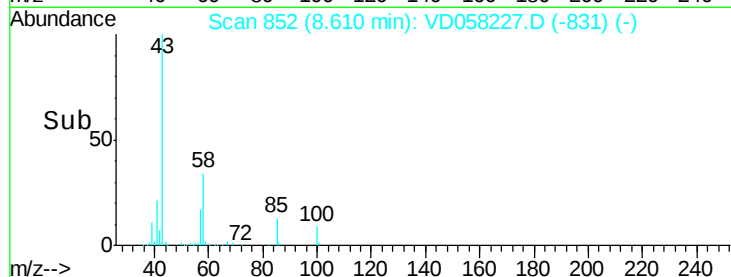
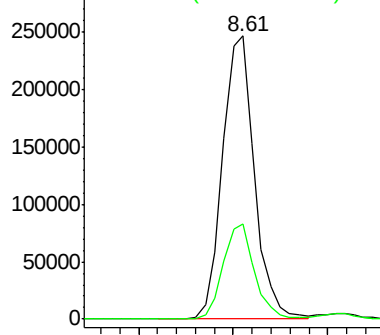
43 100

58 33.9 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.91 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD058227.D

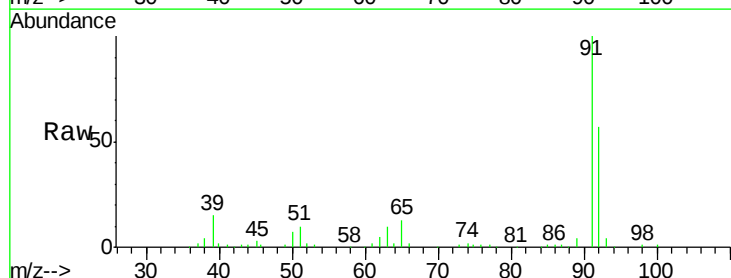
Acq: 21 Jun 2018 1:16

Tgt Ion: 92 Resp: 329298

Ion Ratio Lower Upper

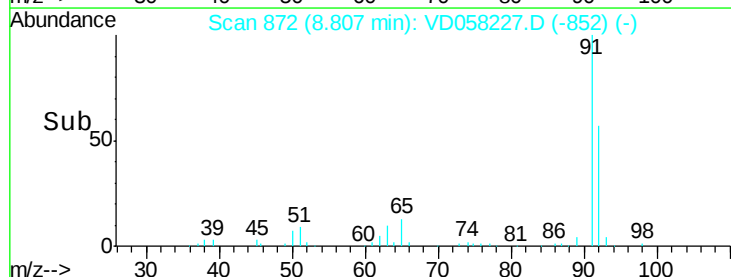
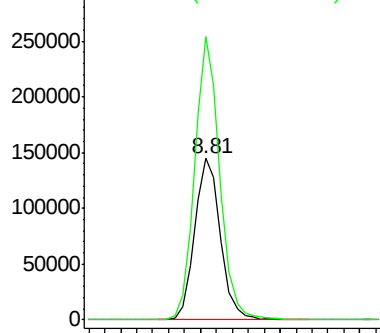
92 100

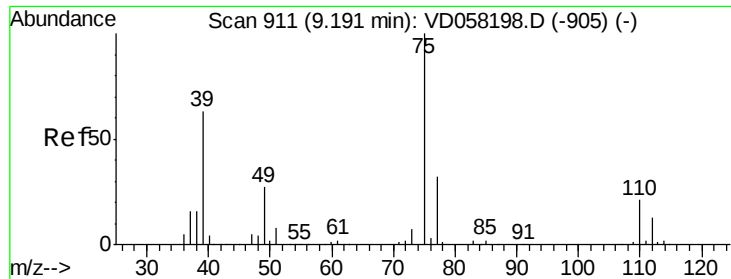
91 175.1 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

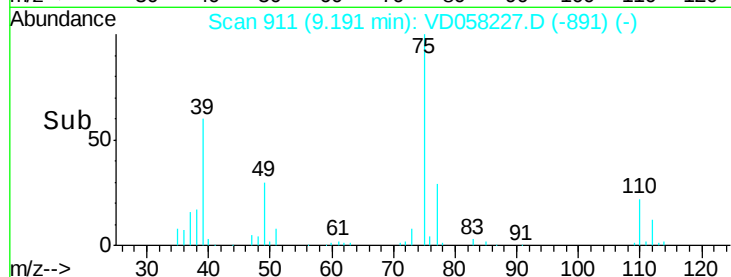
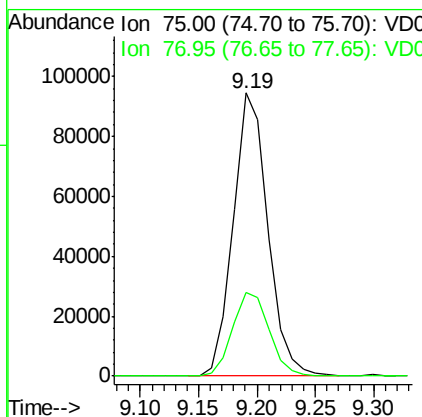
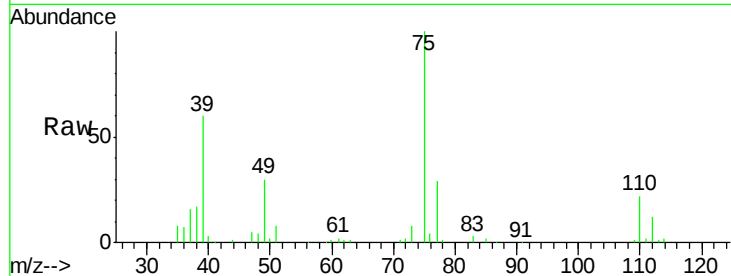




#53
 t-1,3-Dichloropropene
 Concen: 19.28 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

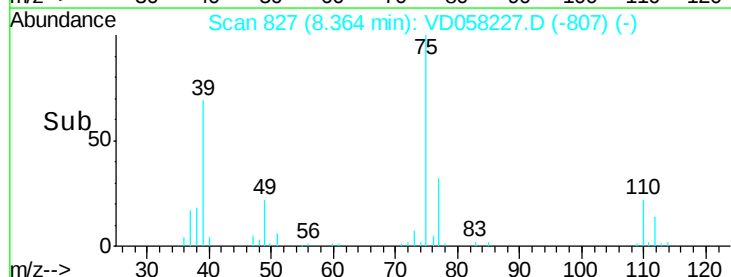
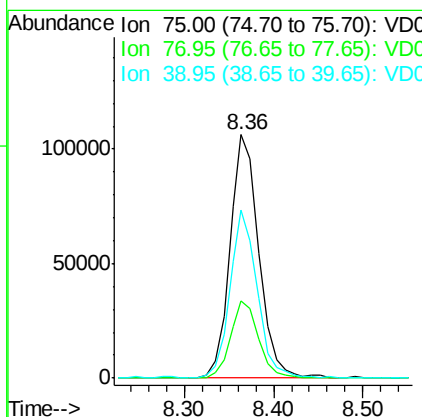
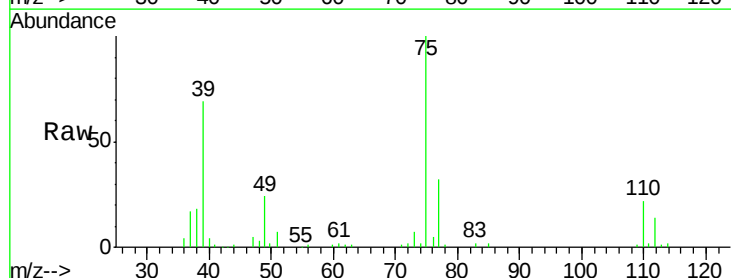
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS03

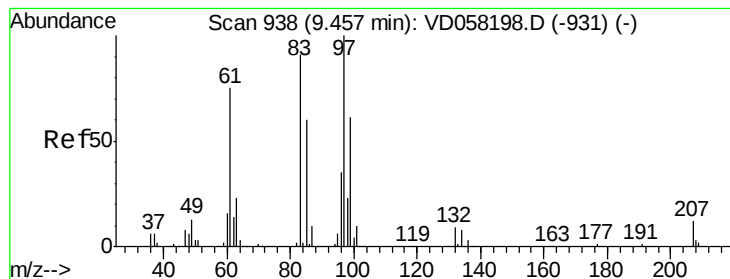
Tot Ion: 75 Resp: 194416
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.29 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

Tgt Ion: 75 Resp: 239766
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.5 39.7
 39 69.3 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 20.82 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

Tot Ion: 97 Resp: 116024

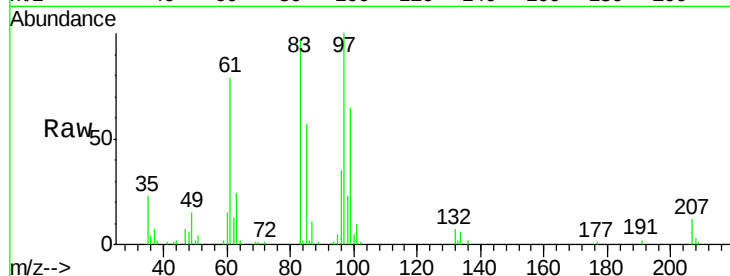
Ion Ratio Lower Upper

97 100

83 97.1 72.9 109.3

85 56.9 48.2 72.4

99 65.3 48.9 73.3

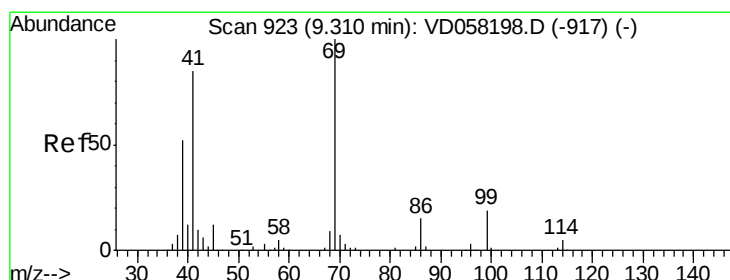
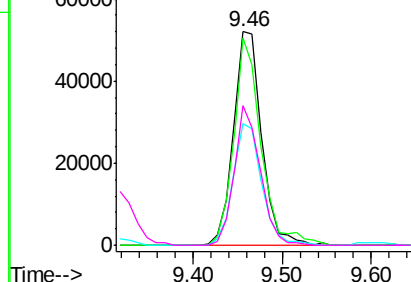
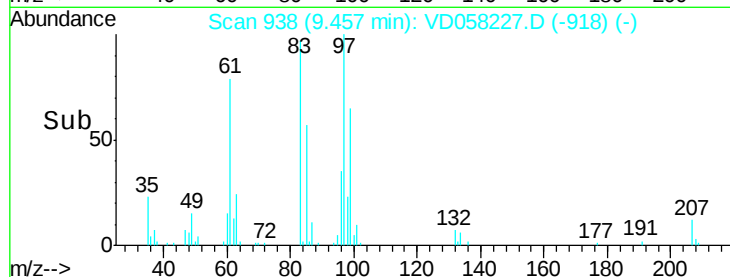


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.65 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

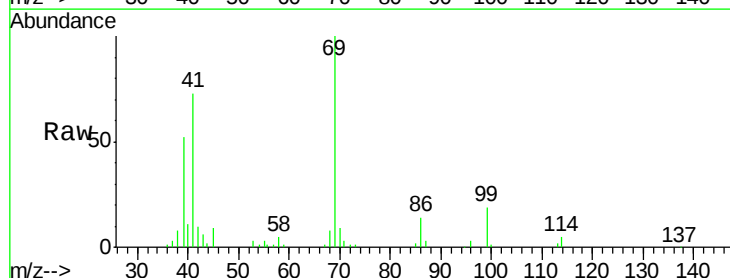
Tgt Ion: 69 Resp: 137597

Ion Ratio Lower Upper

69 100

41 73.5 67.6 101.4

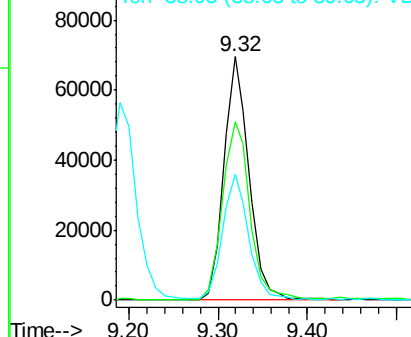
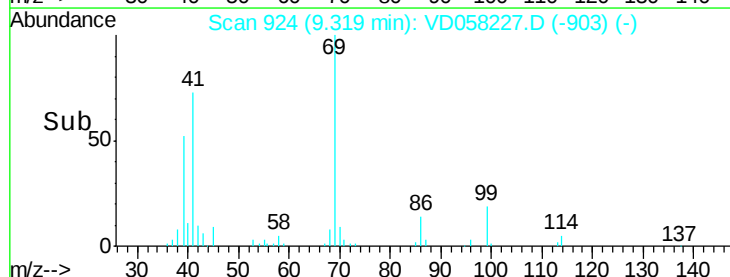
39 51.7 42.2 63.2

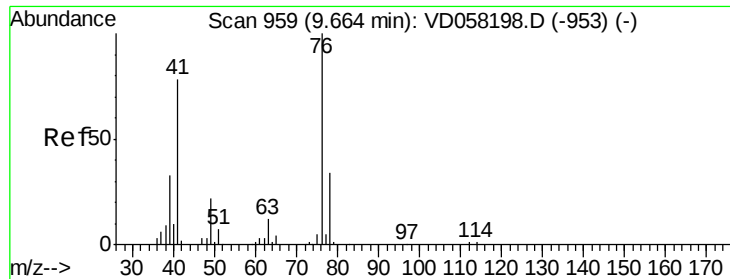


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.26 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

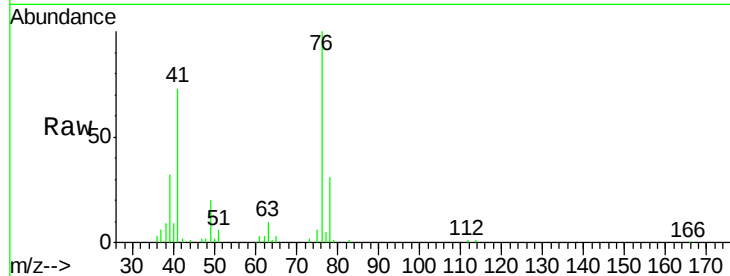
VD0620SBS03

Tot Ion: 76 Resp: 199534

Ion Ratio Lower Upper

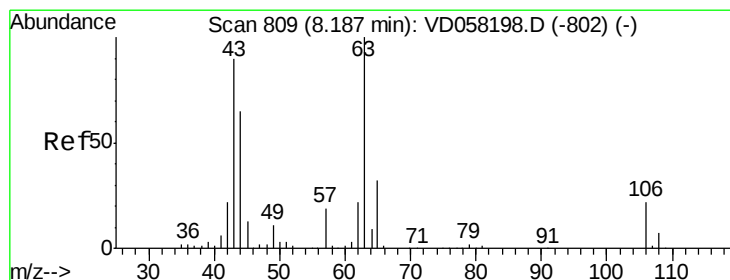
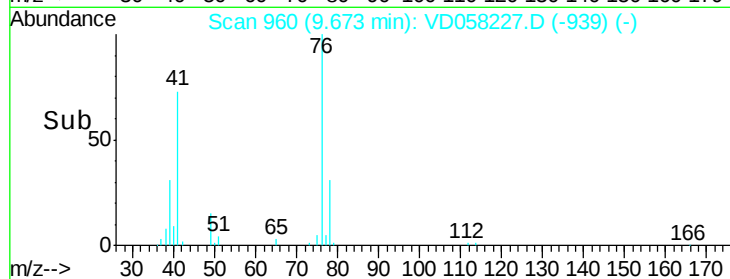
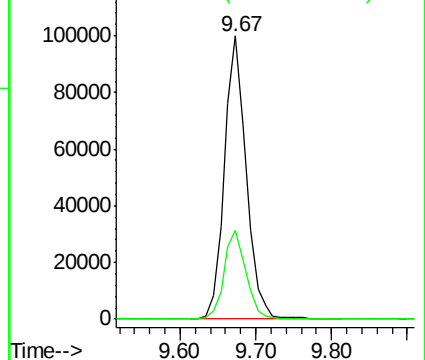
76 100

78 31.3 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: 108.33 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058227.D

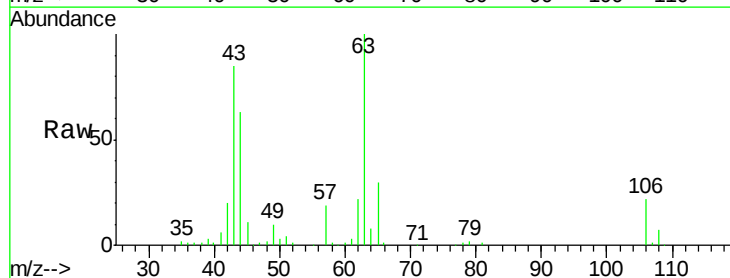
Acq: 21 Jun 2018 1:16

Tgt Ion: 63 Resp: 357402

Ion Ratio Lower Upper

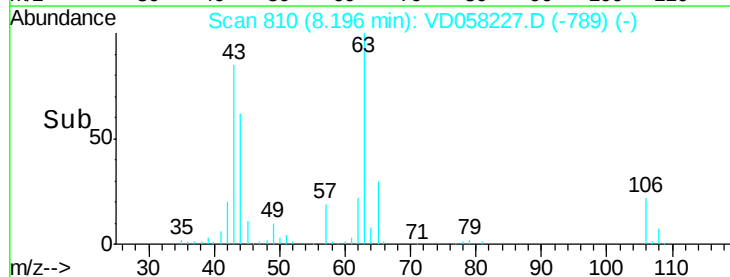
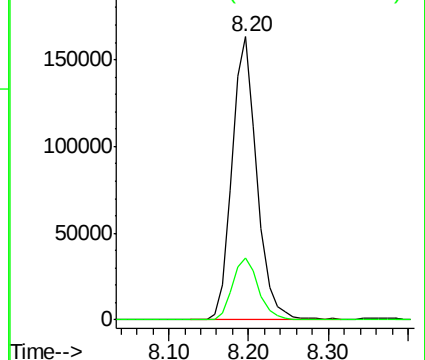
63 100

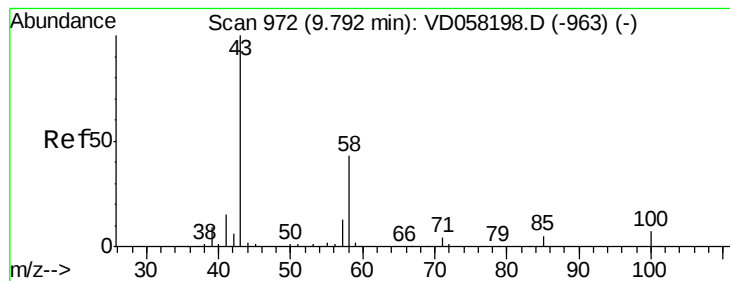
106 22.1 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 102.77 ug/l

RT: 9.79 min Scan# 972

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

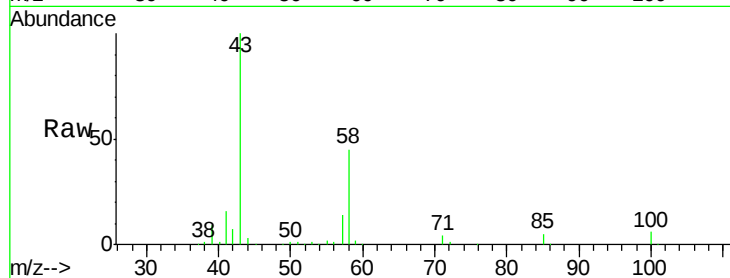
VD0620SBS03

Tot Ion: 43 Resp: 427234

Ion Ratio Lower Upper

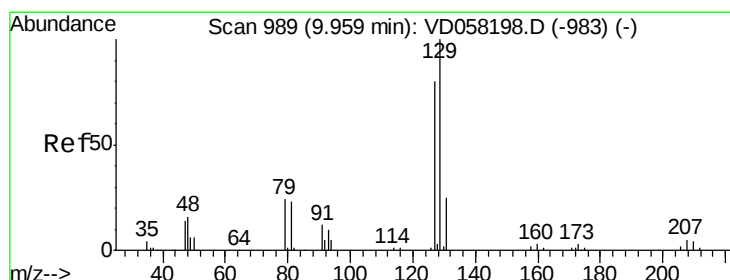
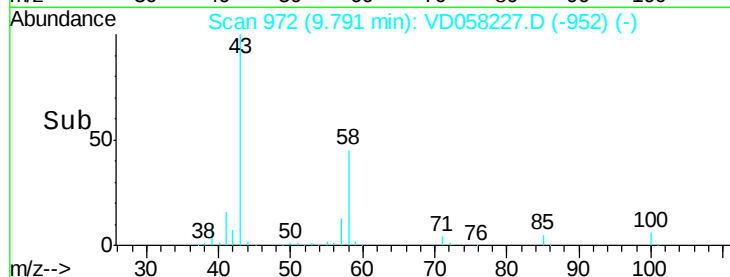
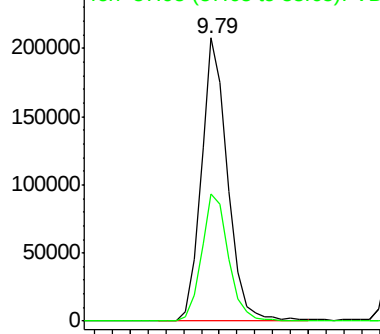
43 100

58 44.9 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: 20.85 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058227.D

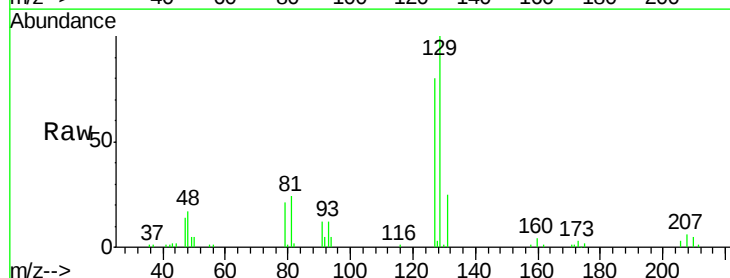
Acq: 21 Jun 2018 1:16

Tgt Ion: 129 Resp: 157650

Ion Ratio Lower Upper

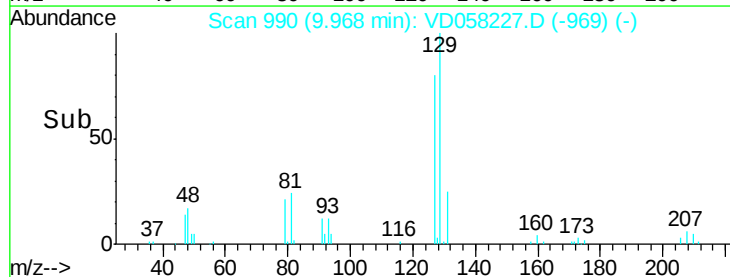
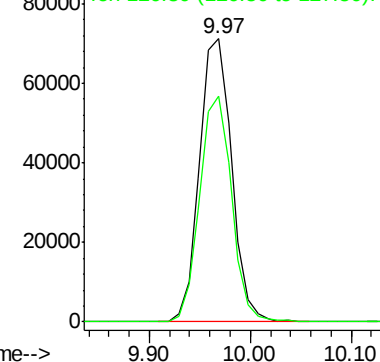
129 100

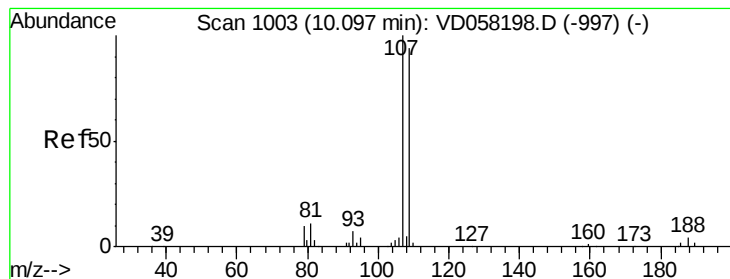
127 79.9 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 21.08 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

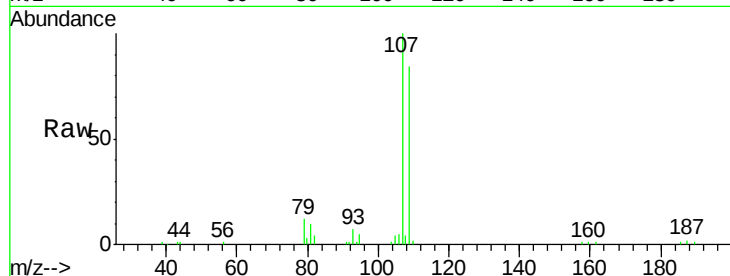
VD0620SBS03

Tot Ion: 107 Resp: 128569

Ion Ratio Lower Upper

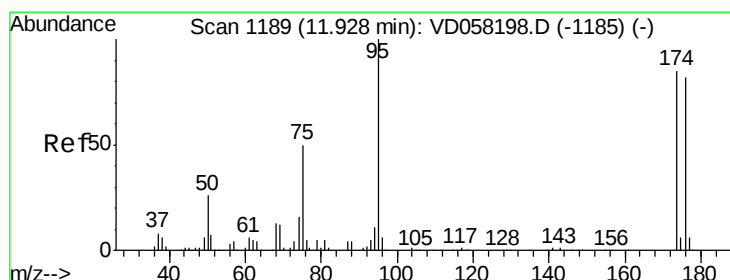
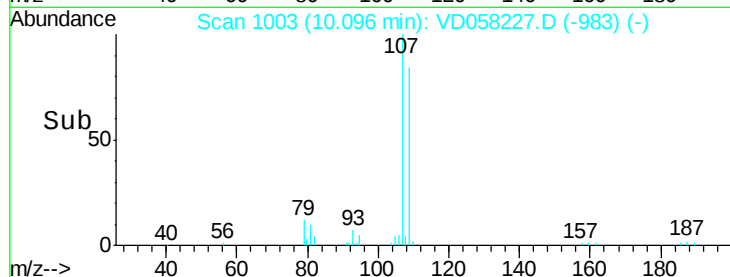
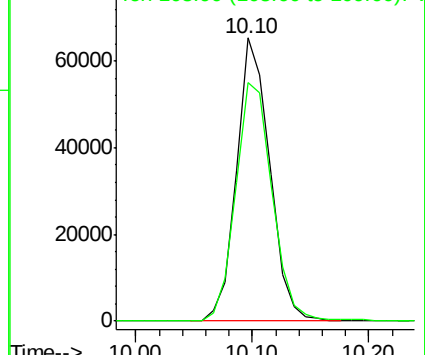
107 100

109 84.4 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: 21.08 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

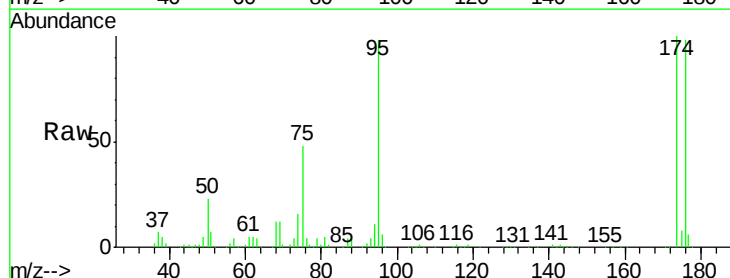
Tgt Ion: 95 Resp: 457132

Ion Ratio Lower Upper

95 100

174 102.1 0.0 170.2

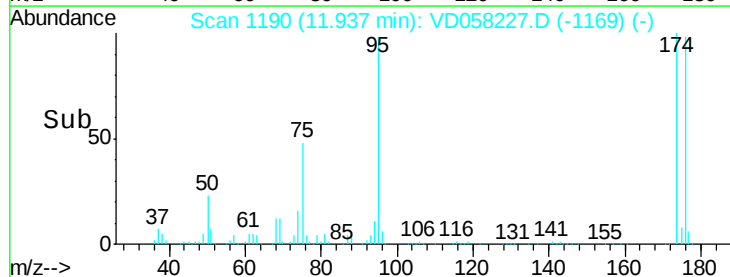
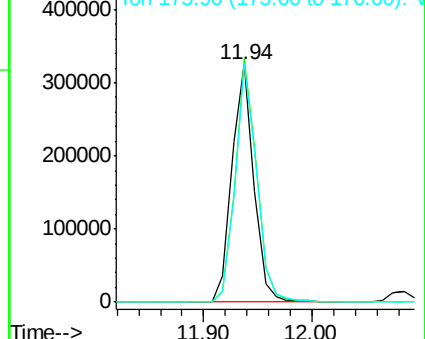
176 100.2 0.0 164.6

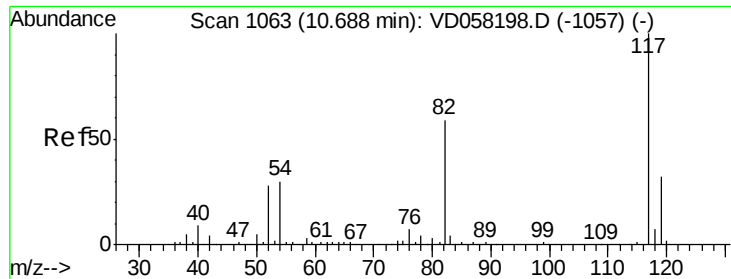


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

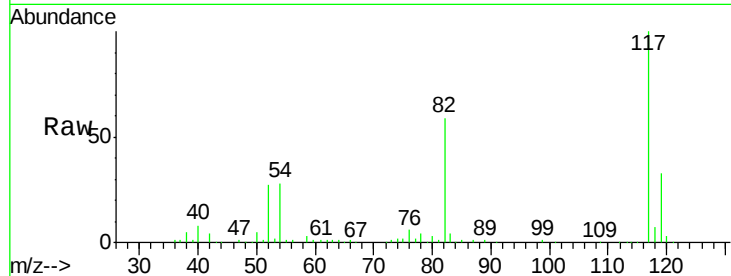




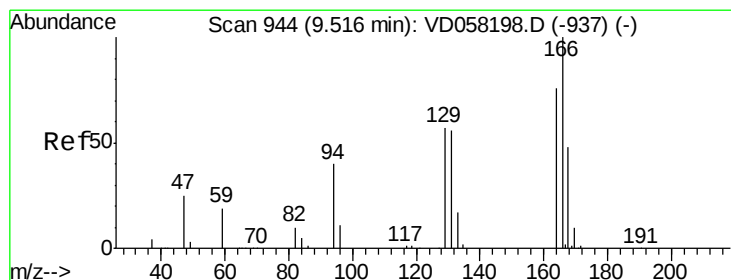
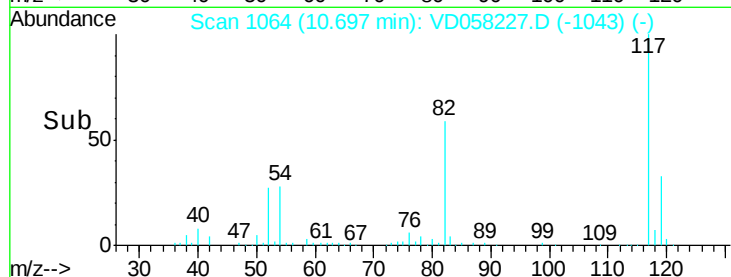
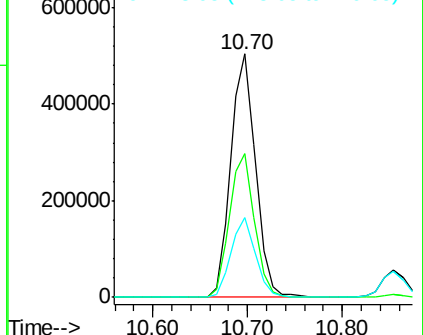
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

Tot Ion:117 Resp: 915807
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.6
119 32.6 25.3 37.9

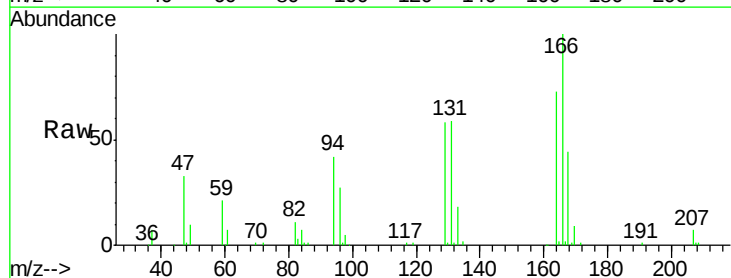


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

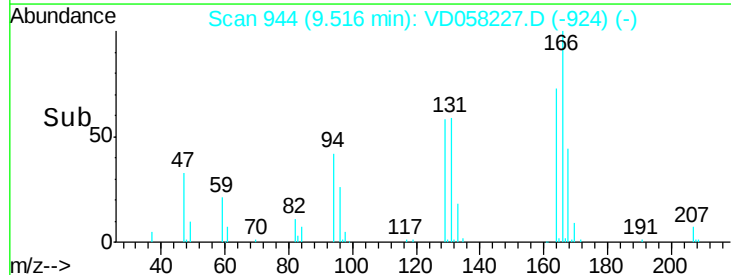
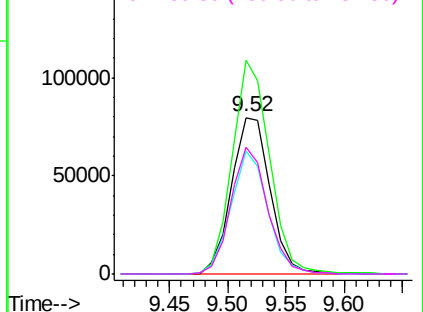


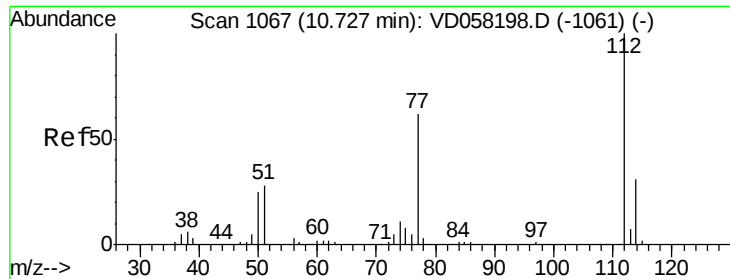
#64
Tetrachloroethene
Concen: 23.80 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Tgt Ion:164 Resp: 183361
Ion Ratio Lower Upper
164 100
166 136.7 105.4 158.0
129 78.9 59.6 89.4
131 81.0 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: 21.82 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

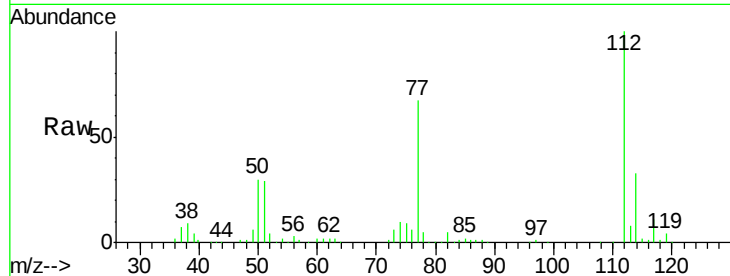
VD0620SBS03

Tot Ion:112 Resp: 373856

Ion Ratio Lower Upper

112 100

114 32.9 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

10.73

250000

200000

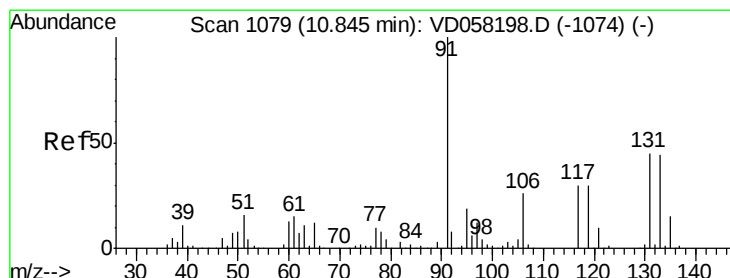
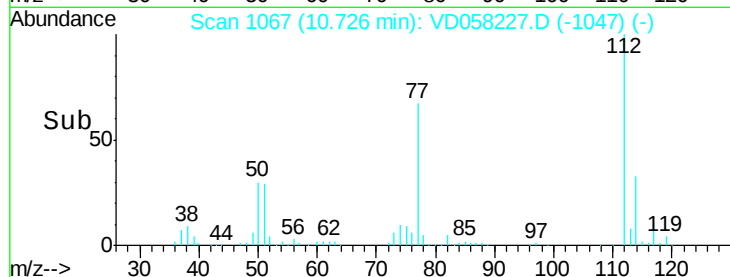
150000

100000

50000

0

Time--> 10.60 10.70 10.80 10.90



#66

1,1,1,2-Tetrachloroethane

Concen: 21.02 ug/l

RT: 10.85 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

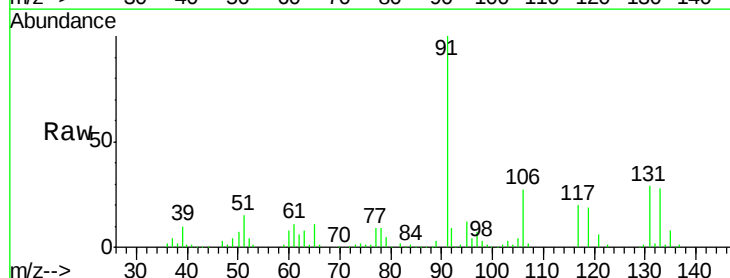
Tgt Ion:131 Resp: 138964

Ion Ratio Lower Upper

131 100

133 95.4 48.6 145.9

119 65.1 33.0 99.0



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

10.85

100000

80000

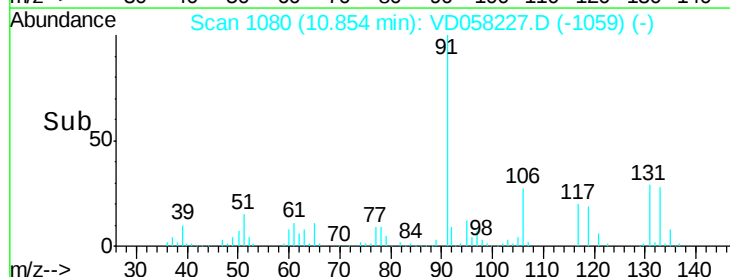
60000

40000

20000

0

Time--> 10.80 10.90

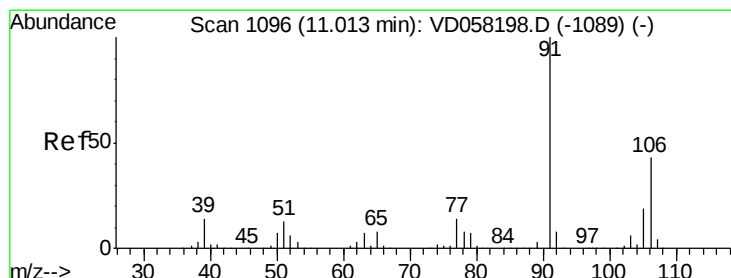
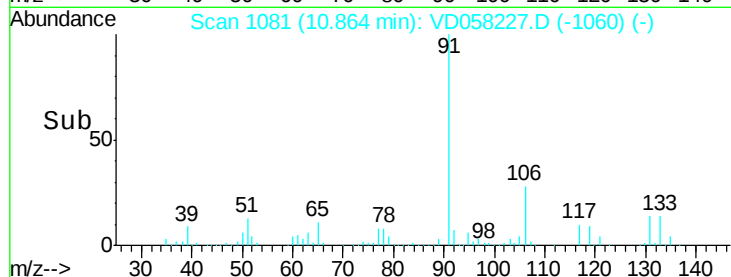
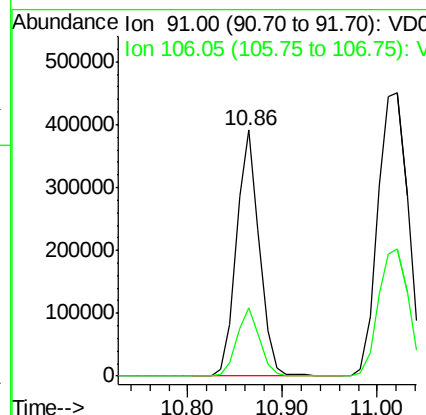
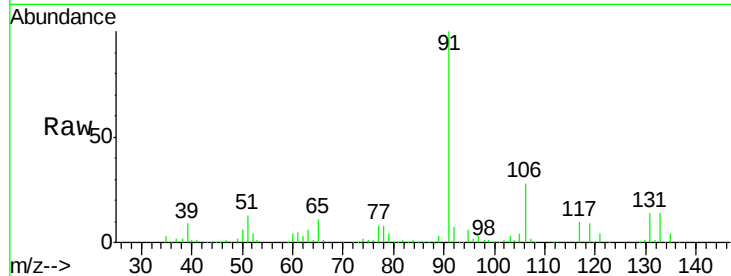




#67
Ethyl Benzene
Concen: 21.54 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

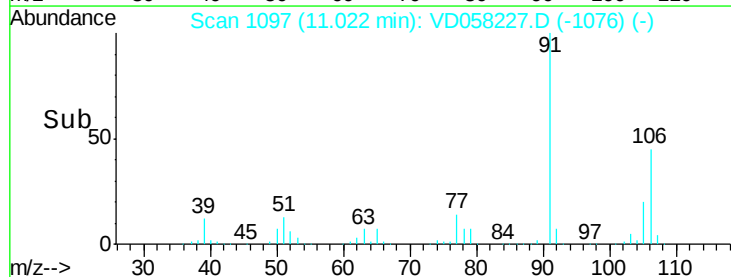
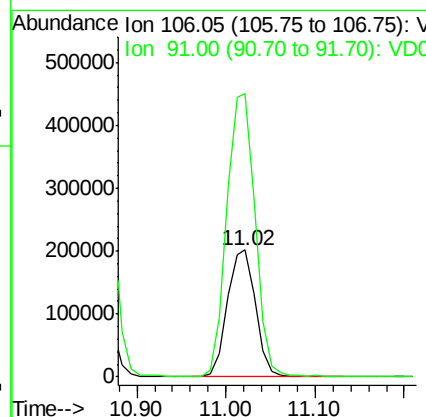
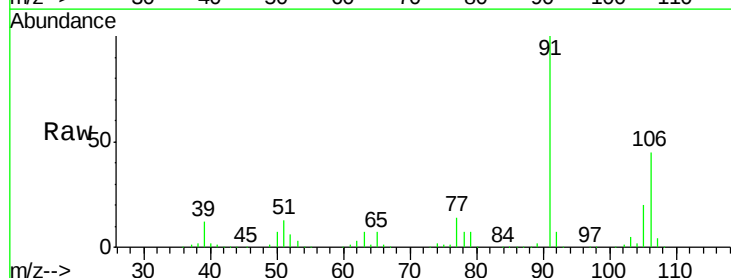
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

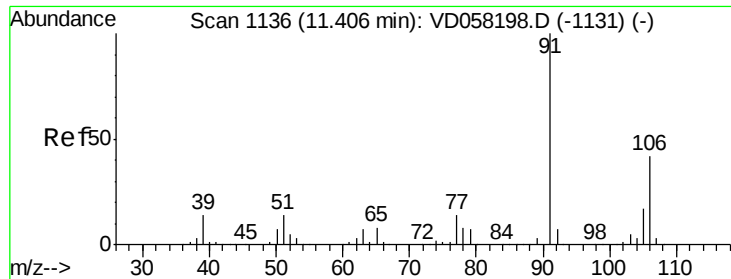
Tot Ion: 91 Resp: 651370
Ion Ratio Lower Upper
91 100
106 27.9 22.0 33.0



#68
m/p-Xylenes
Concen: 44.57 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Tgt Ion: 106 Resp: 449459
Ion Ratio Lower Upper
106 100
91 223.1 185.0 277.6

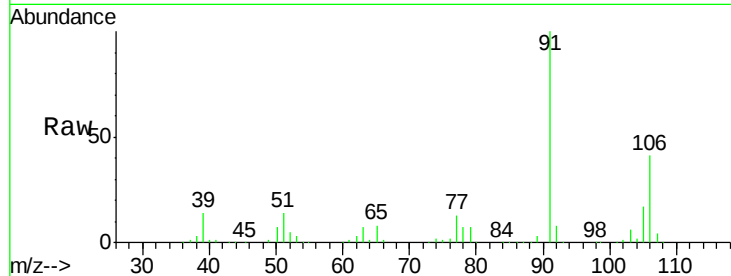




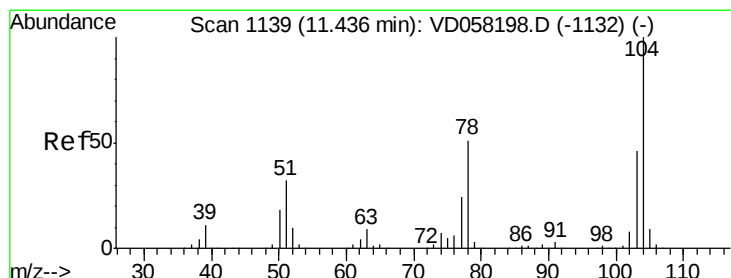
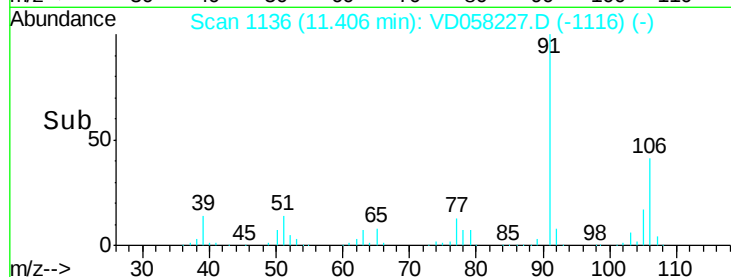
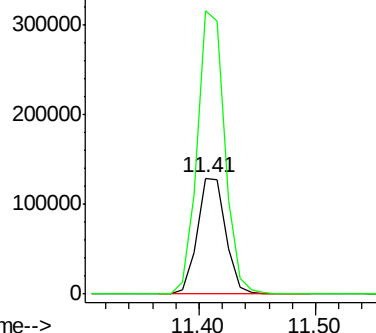
#69
o-Xylene
Concen: 22.76 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

Tot Ion:106 Resp: 219238
Ion Ratio Lower Upper
106 100
91 244.6 120.2 360.6

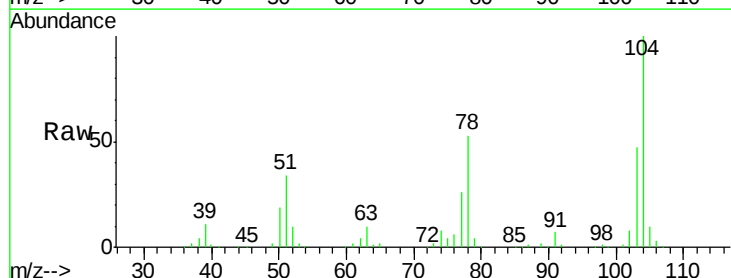


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

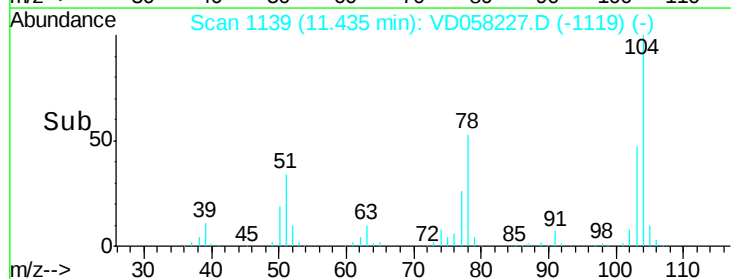
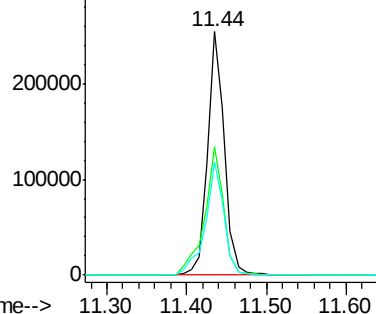


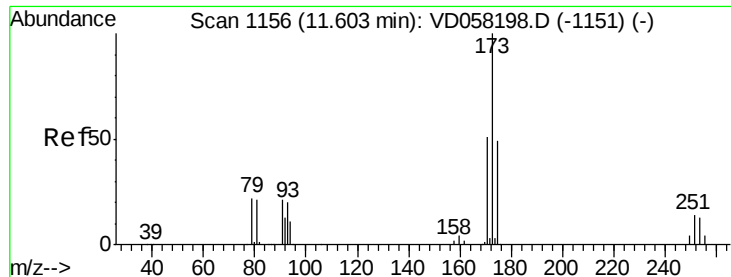
#70
Styrene
Concen: 22.84 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Tgt Ion:104 Resp: 375472
Ion Ratio Lower Upper
104 100
78 52.7 40.8 61.2
103 46.5 37.0 55.6



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

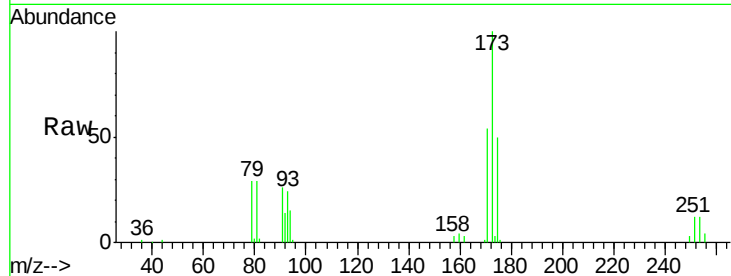




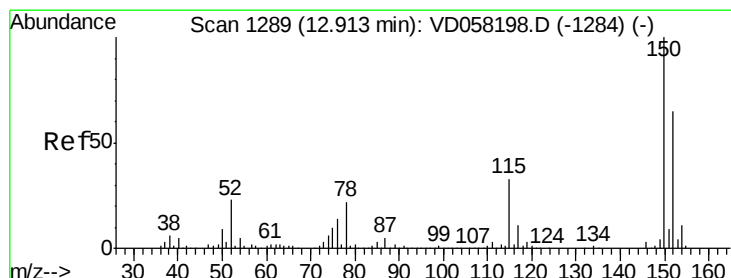
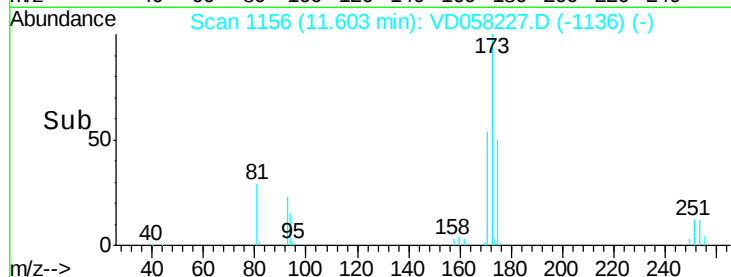
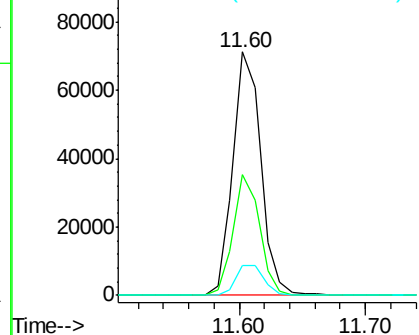
#71
Bromoform
Concen: 20.55 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

Tot Ion:173 Resp: 108364
Ion Ratio Lower Upper
173 100
175 49.7 24.6 74.0
254 12.1 10.3 15.5

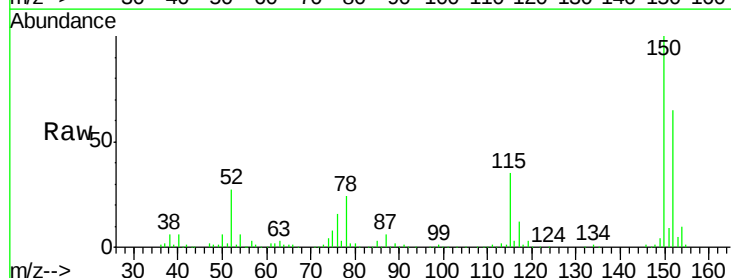


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

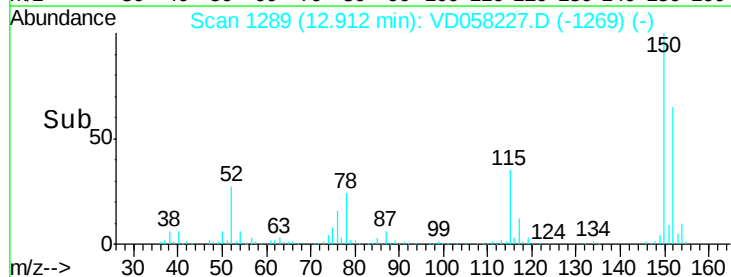
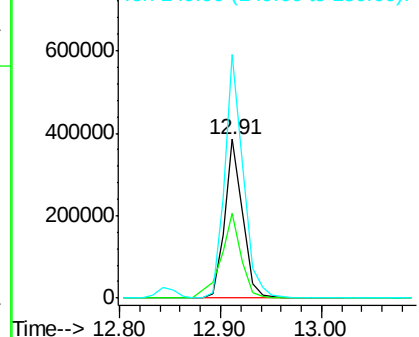


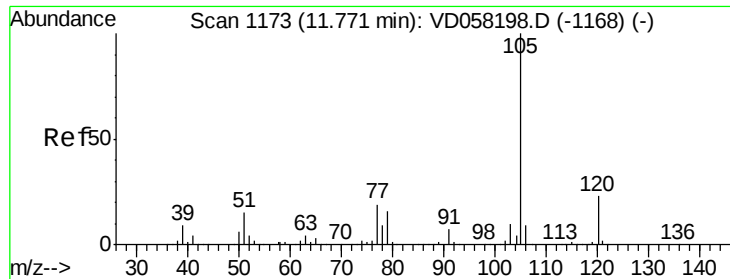
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Tgt Ion:152 Resp: 478344
Ion Ratio Lower Upper
152 100
115 53.5 25.1 75.3
150 153.0 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: 21.13 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

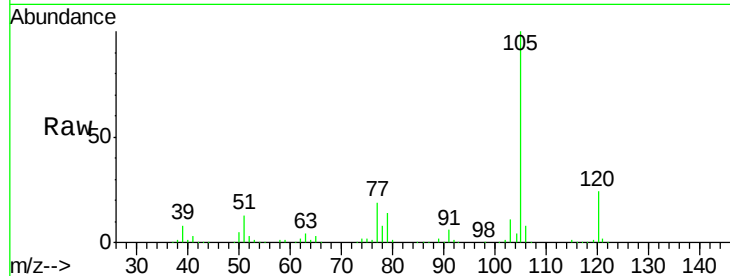
VD0620SBS03

Tot Ion:105 Resp: 604556

Ion Ratio Lower Upper

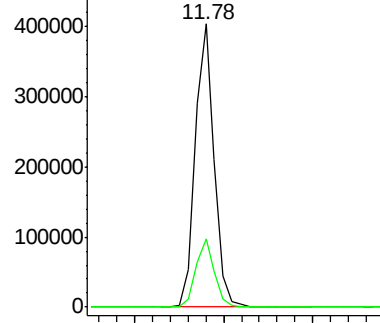
105 100

120 24.0 11.6 34.8

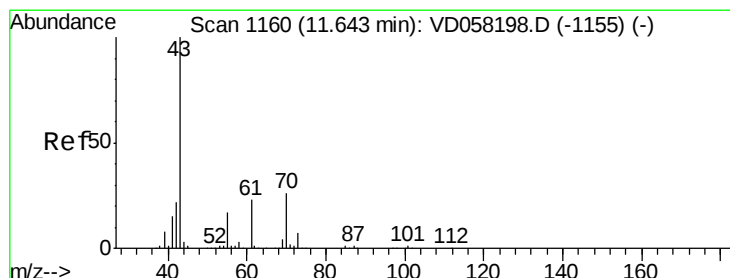
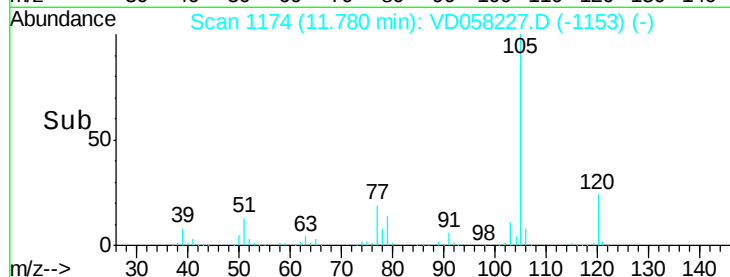


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 20.76 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Tgt Ion: 43 Resp: 229622

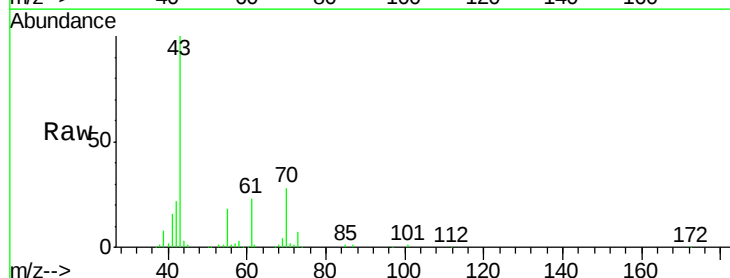
Ion Ratio Lower Upper

43 100

70 28.3 20.9 31.3

55 18.3 13.5 20.3

61 22.8 18.2 27.2

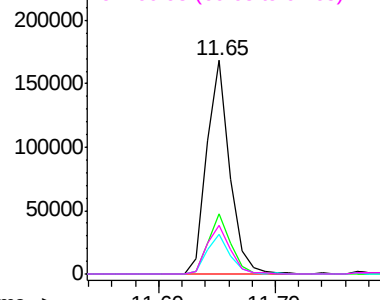


Abundance Ion 42.95 (42.65 to 43.65): V

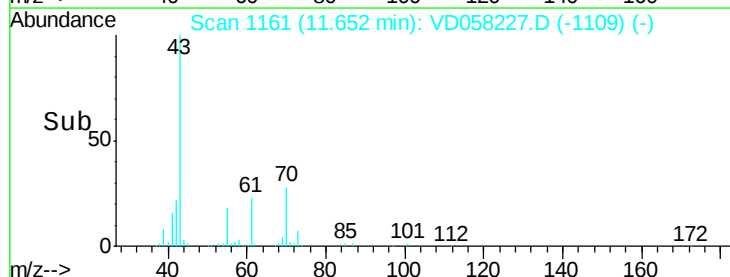
Ion 70.00 (69.70 to 70.70): V

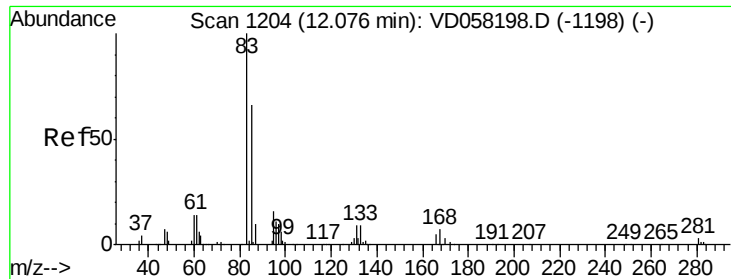
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.22 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

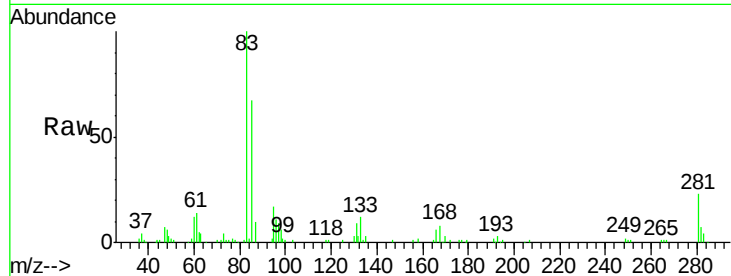
Tot Ion: 83 Resp: 141307

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

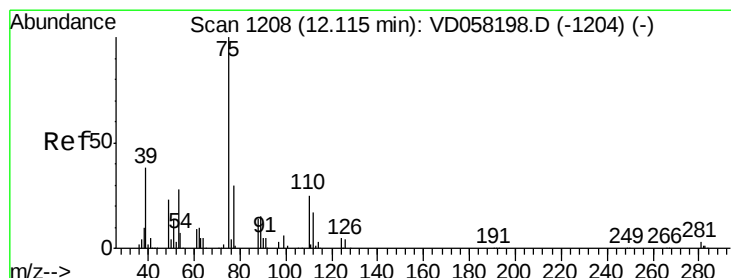
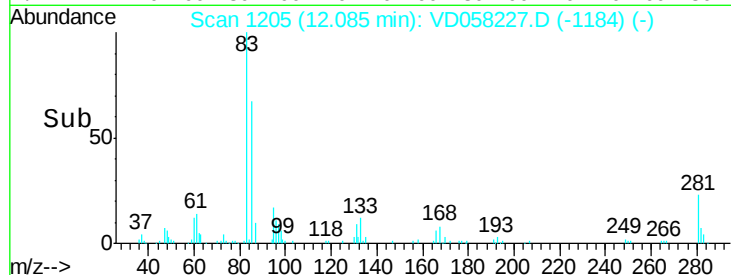
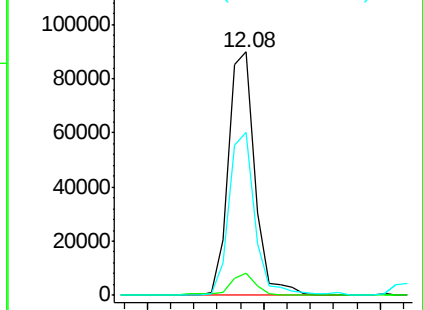
85 66.9 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.02 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058227.D

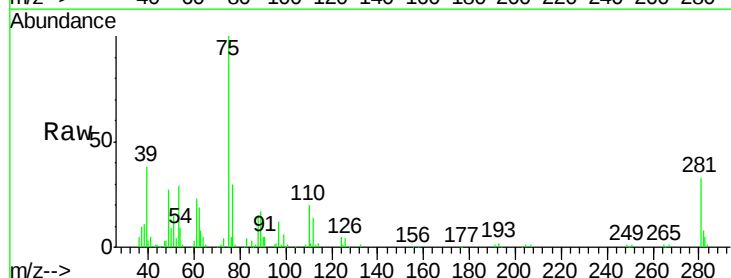
Acq: 21 Jun 2018 1:16

Tgt Ion: 75 Resp: 146830

Ion Ratio Lower Upper

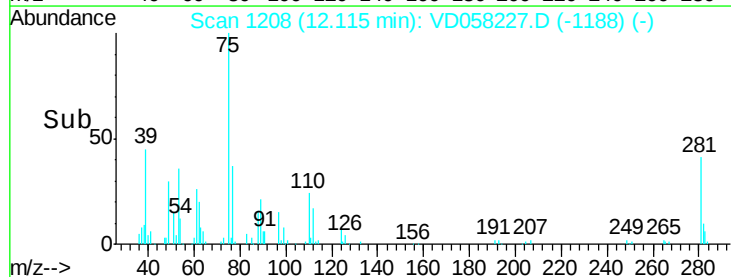
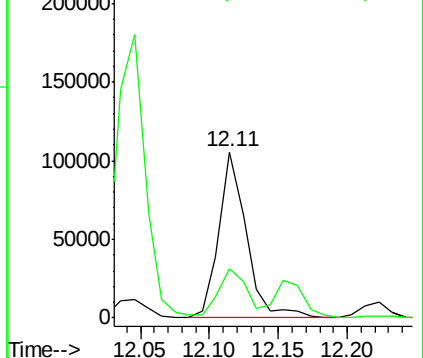
75 100

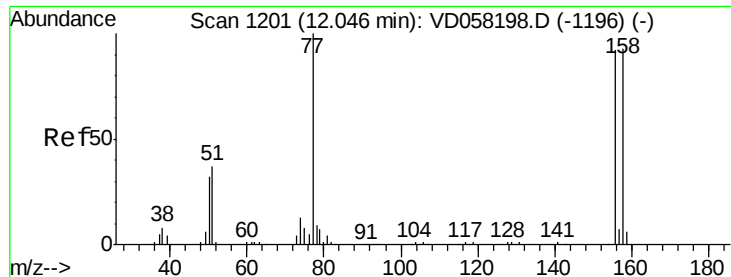
77 29.9 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.78 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

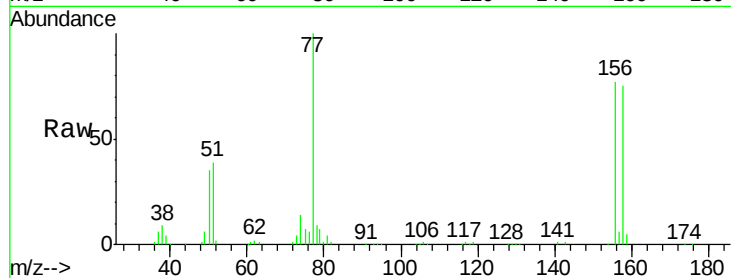
Tot Ion:156 Resp: 186576

Ion Ratio Lower Upper

156 100

77 129.3 54.5 163.6

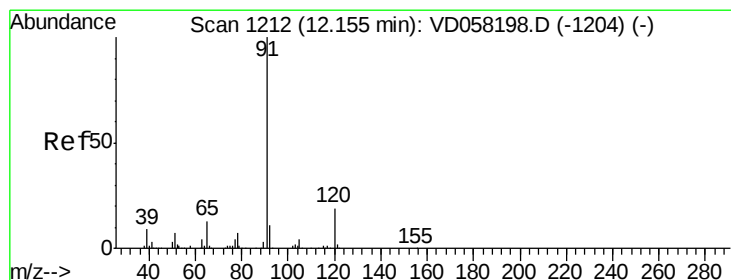
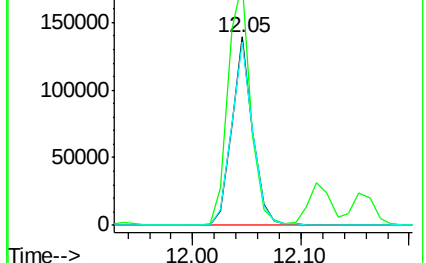
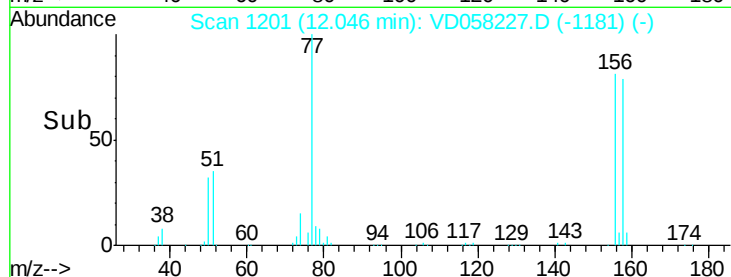
158 97.4 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.05 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058227.D

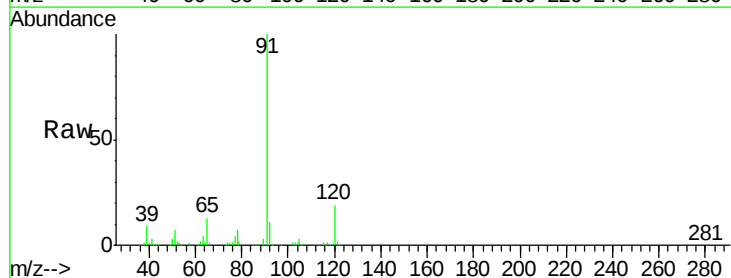
Acq: 21 Jun 2018 1:16

Tgt Ion: 91 Resp: 814615

Ion Ratio Lower Upper

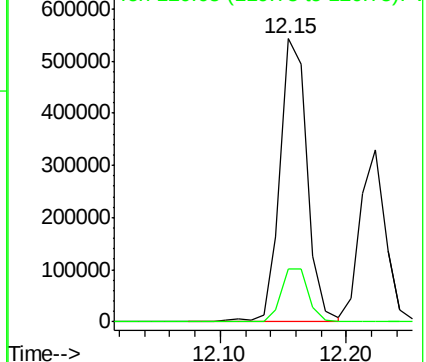
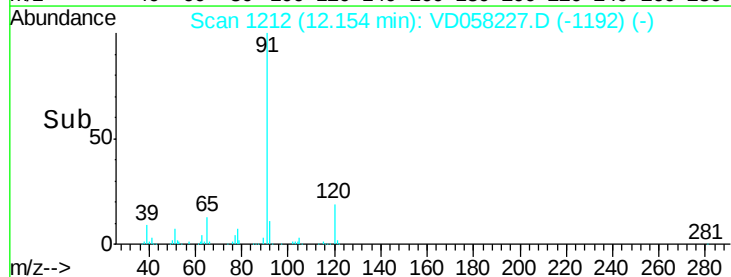
91 100

120 18.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

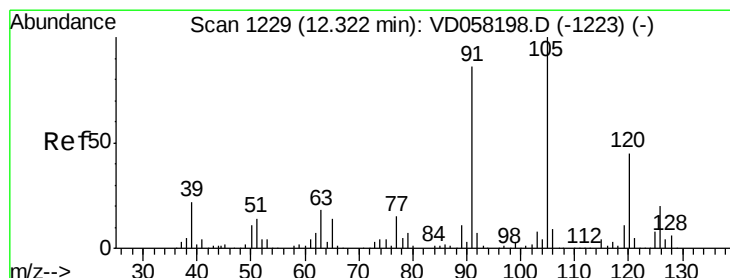
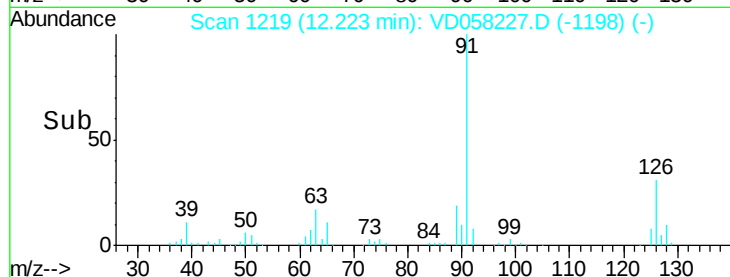
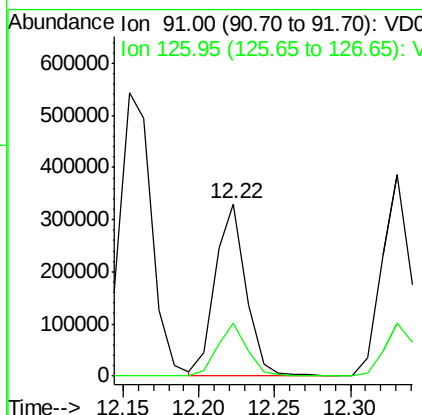
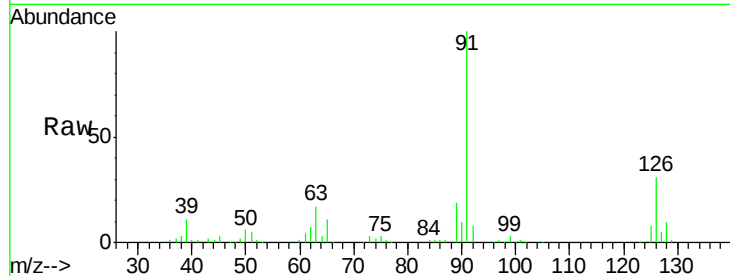




#79
 2-Chlorotoluene
 Concen: 21.79 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

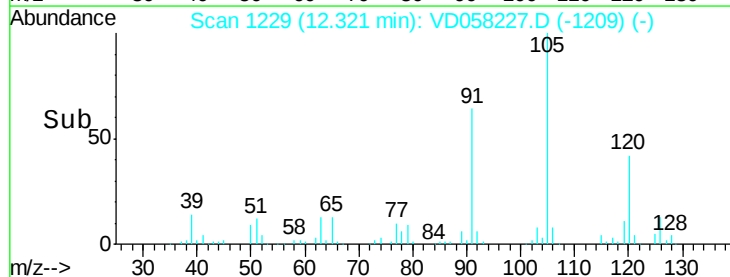
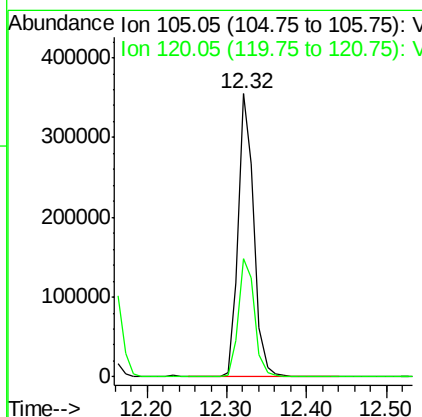
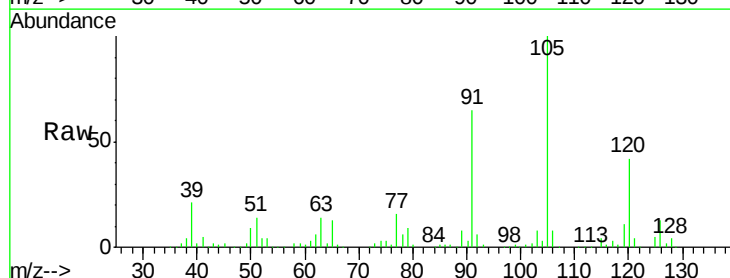
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS03

Tot Ion: 91 Resp: 460787
 Ion Ratio Lower Upper
 91 100
 126 31.1 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.05 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

Tgt Ion: 105 Resp: 492033
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.60 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

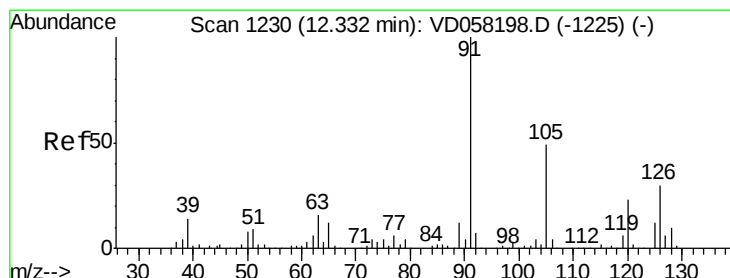
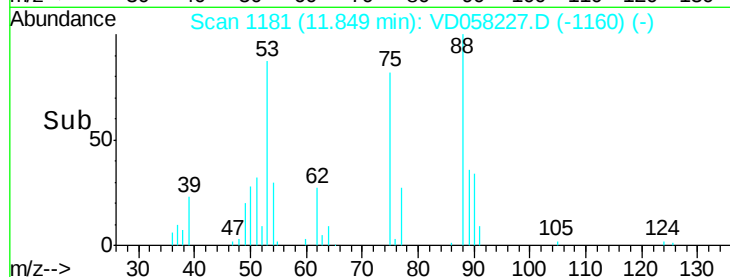
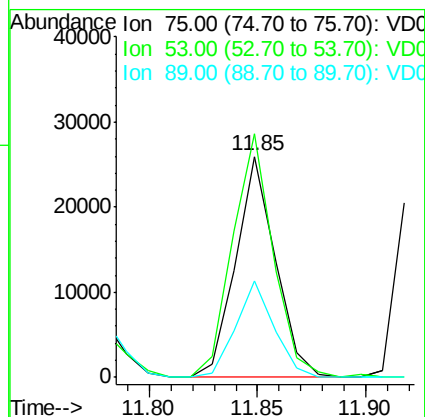
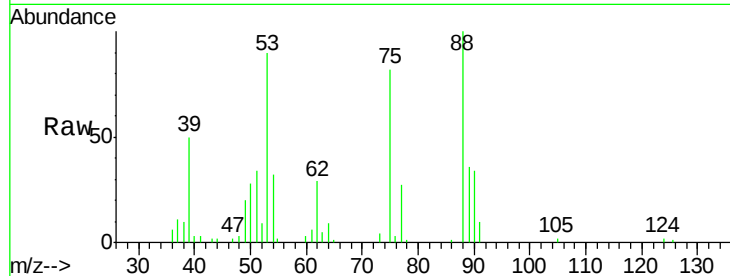
MSVOA_D

ClientSampleId :

VD0620SBS03

Tot Ion: 75 Resp: 33390

Ion	Ratio	Lower	Upper
75	100		
53	110.2	100.8	151.2
89	43.9	34.6	52.0



#82

4-Chlorotoluene

Concen: 22.09 ug/l

RT: 12.33 min Scan# 1230

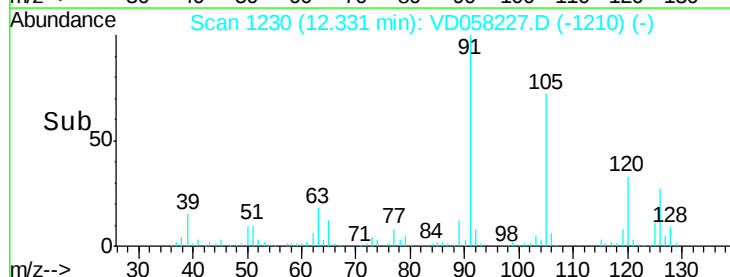
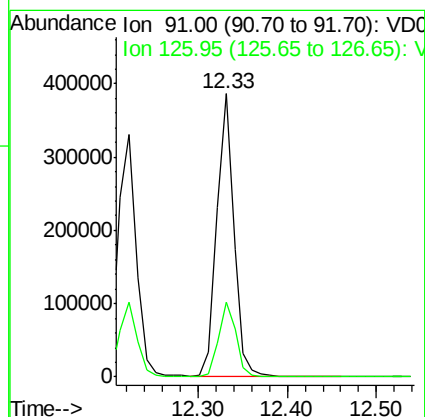
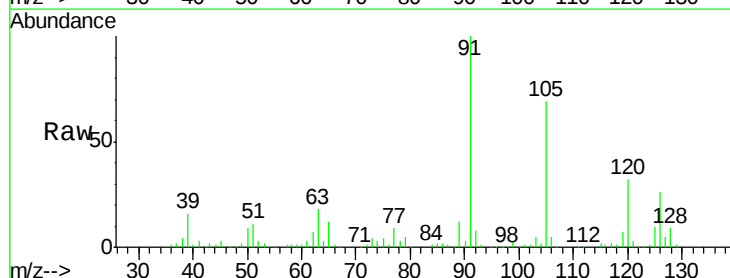
Delta R.T. 0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Tgt Ion: 91 Resp: 517698

Ion	Ratio	Lower	Upper
91	100		
126	26.3	14.9	44.9

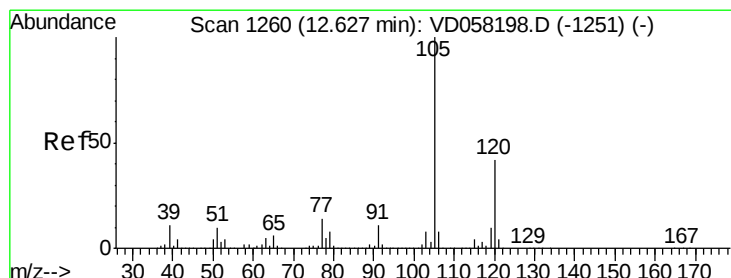
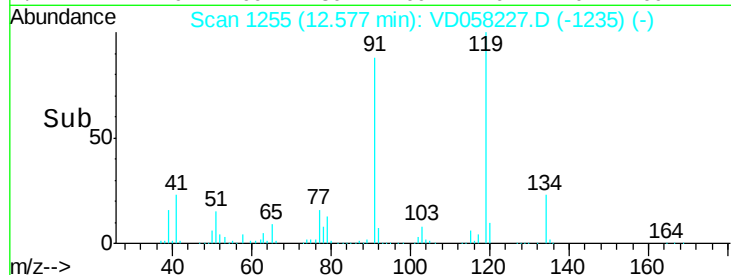
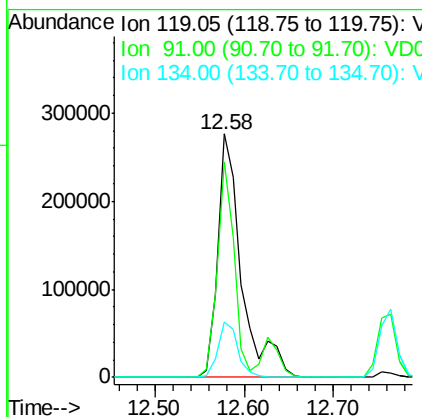
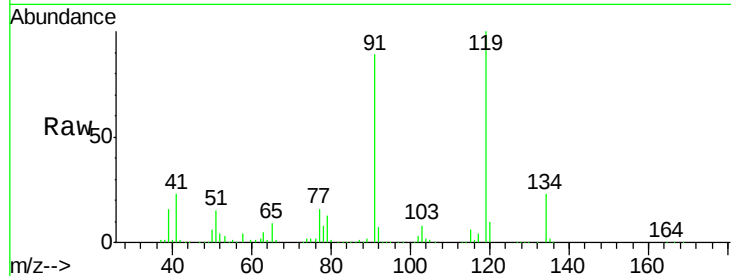




#83
 tert-Butylbenzene
 Concen: 20.14 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

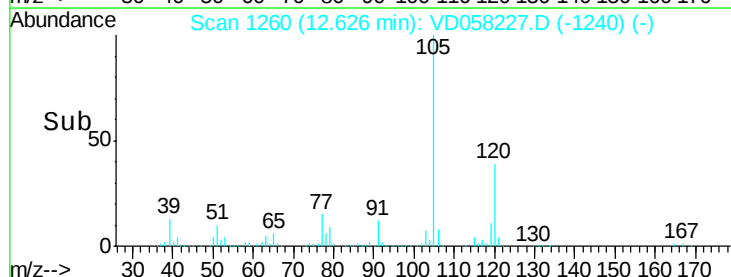
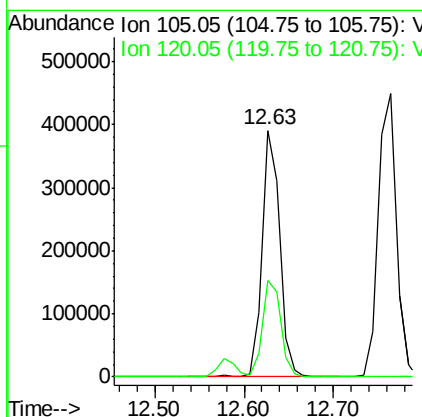
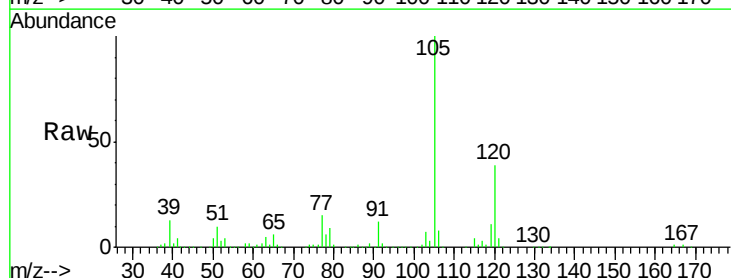
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS03

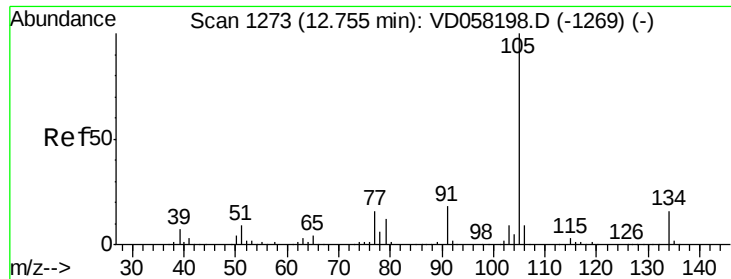
Tot Ion:119 Resp: 516845
 Ion Ratio Lower Upper
 119 100
 91 88.6 38.9 116.6
 134 23.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.75 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

Tgt Ion:105 Resp: 527595
 Ion Ratio Lower Upper
 105 100
 120 39.3 20.8 62.4





#85

sec-Butylbenzene

Concen: 20.78 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

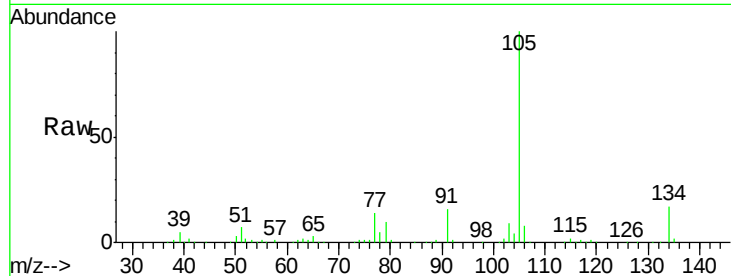
VD0620SBS03

Tot Ion:105 Resp: 624921

Ion Ratio Lower Upper

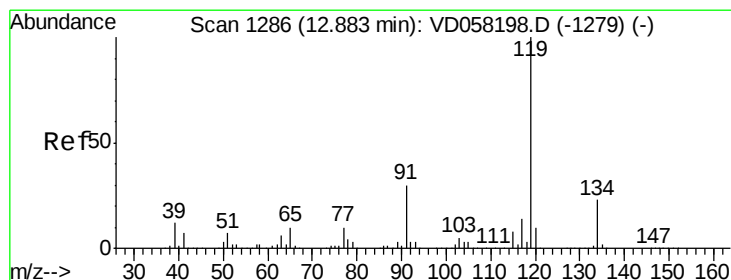
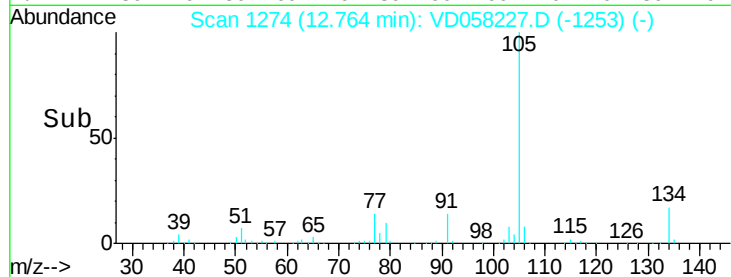
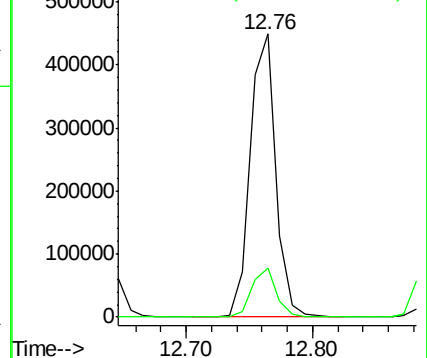
105 100

134 17.4 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.45 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

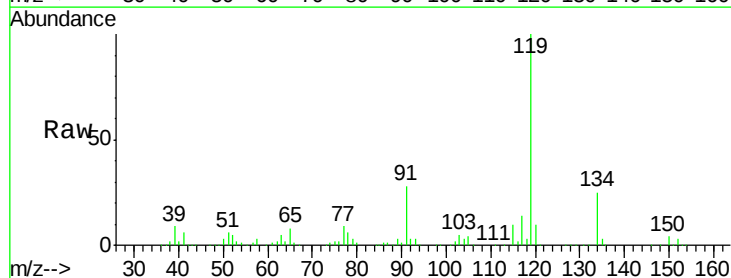
Tgt Ion:119 Resp: 498417

Ion Ratio Lower Upper

119 100

134 24.6 11.6 34.8

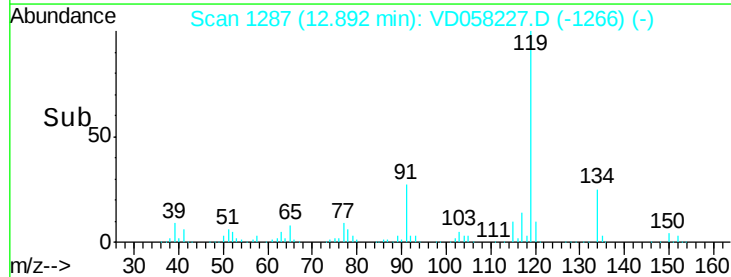
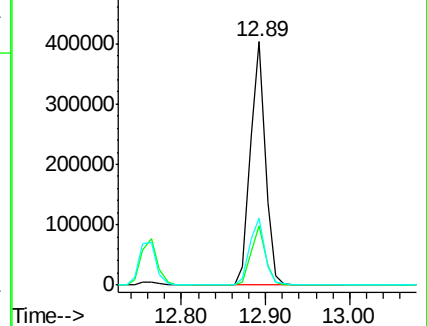
91 27.6 15.0 45.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

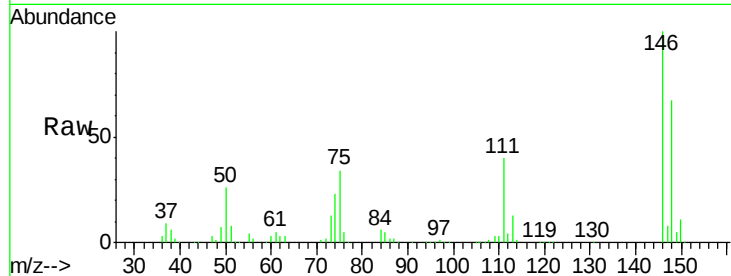




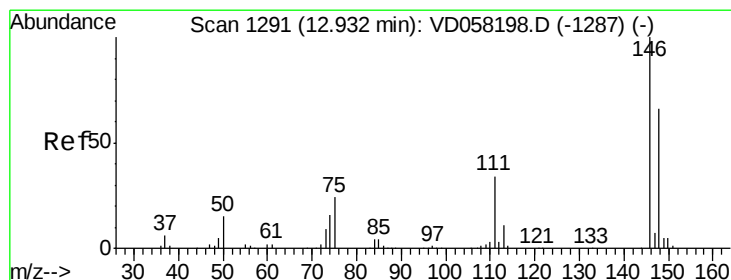
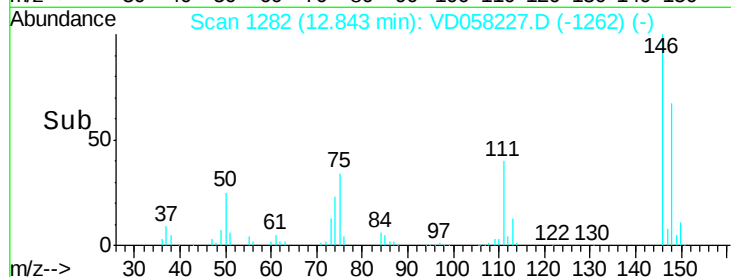
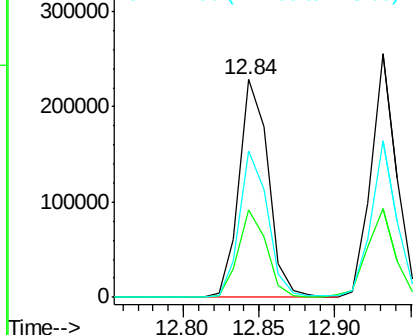
#87
 1,3-Dichlorobenzene
 Concen: 20.65 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS03

Tot Ion:146 Resp: 307451
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.4 55.0
 148 67.0 32.8 98.4

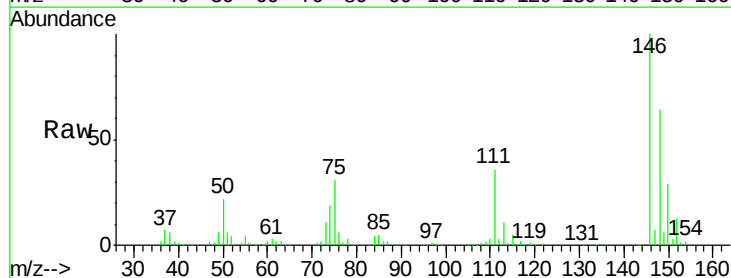


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

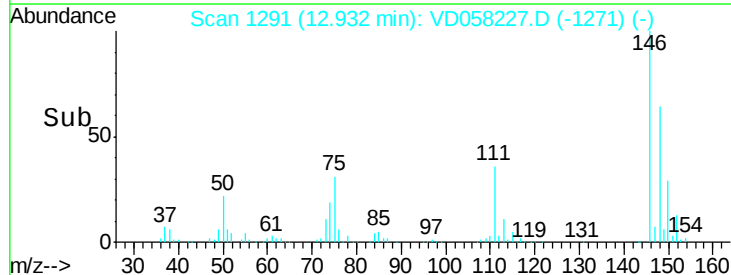
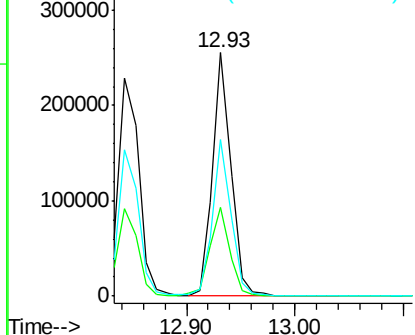


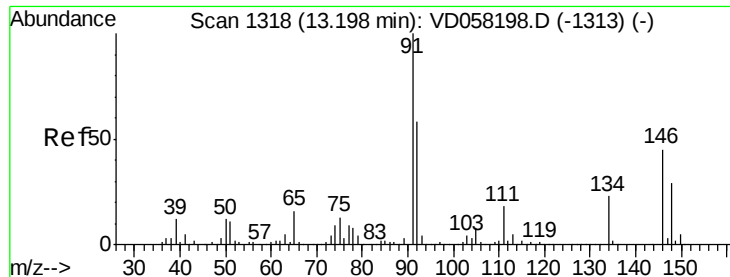
#88
 1,4-Dichlorobenzene
 Concen: 20.98 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

Tgt Ion:146 Resp: 305162
 Ion Ratio Lower Upper
 146 100
 111 36.5 17.2 51.5
 148 64.3 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

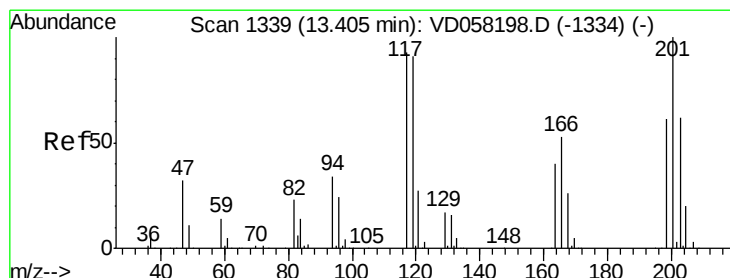
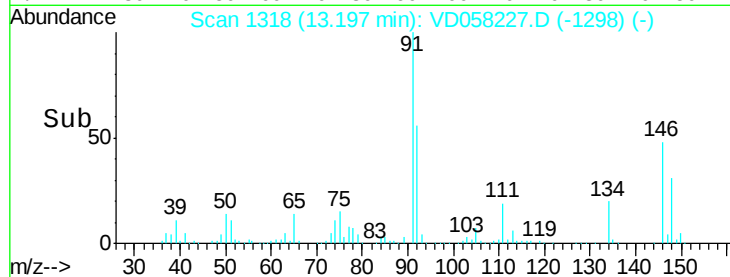
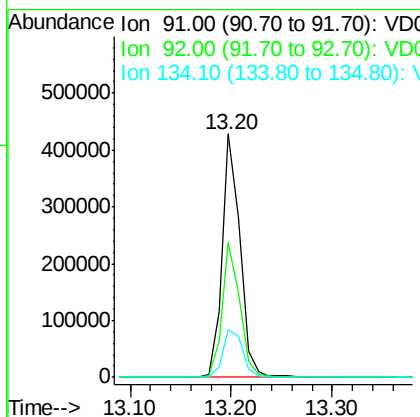
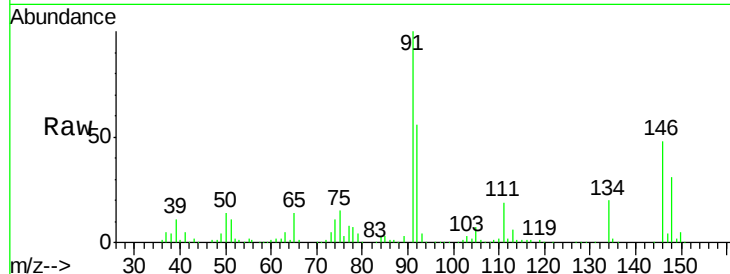




#89
n-Butylbenzene
Concen: 20.73 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

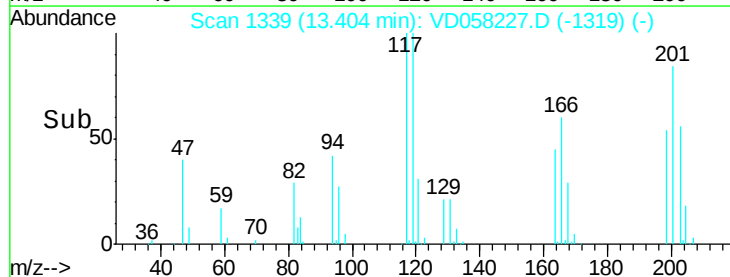
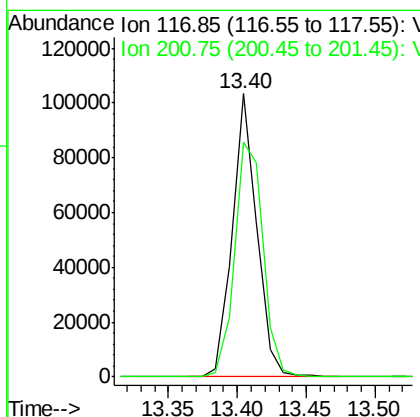
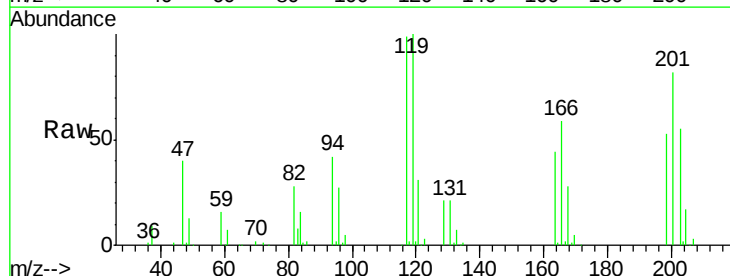
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS03

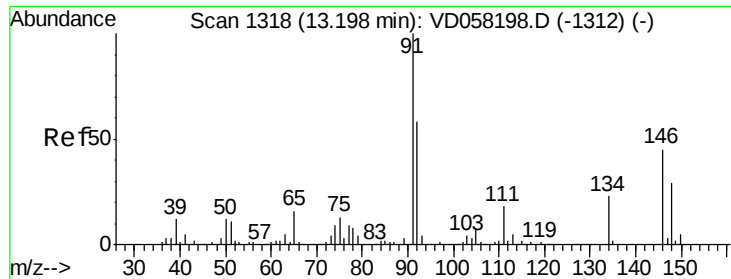
Tot Ion: 91 Resp: 531032
Ion Ratio Lower Upper
91 100
92 55.6 29.2 87.6
134 19.7 11.3 33.8



#90
Hexachloroethane
Concen: 20.18 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058227.D
Acq: 21 Jun 2018 1:16

Tgt Ion: 117 Resp: 127624
Ion Ratio Lower Upper
117 100
201 82.7 53.8 161.4





#91

1,2-Dichlorobenzene

Concen: 20.75 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

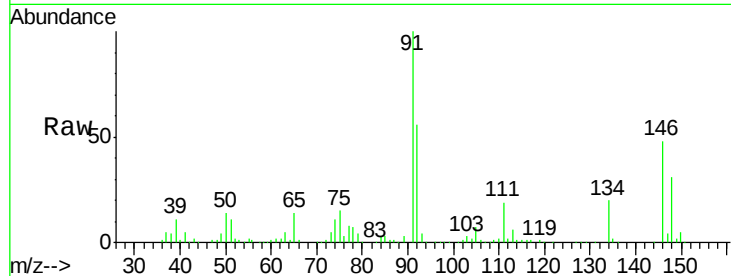
Tot Ion:146 Resp: 262996

Ion Ratio Lower Upper

146 100

111 40.2 19.6 58.7

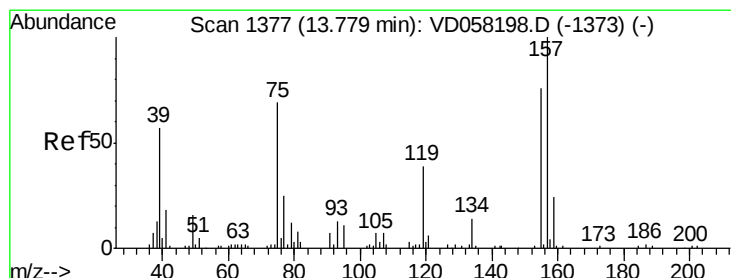
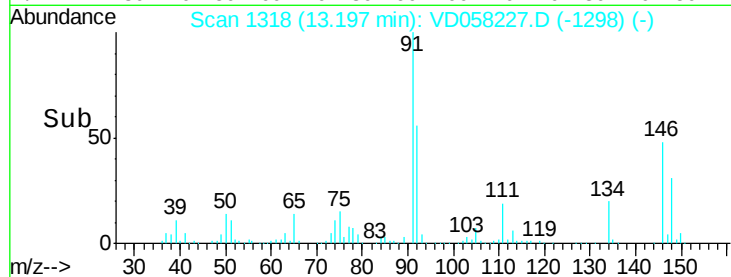
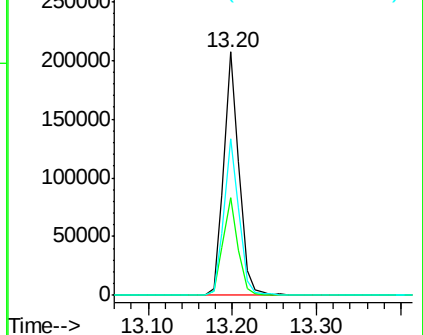
148 64.3 32.0 96.2



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: 21.20 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

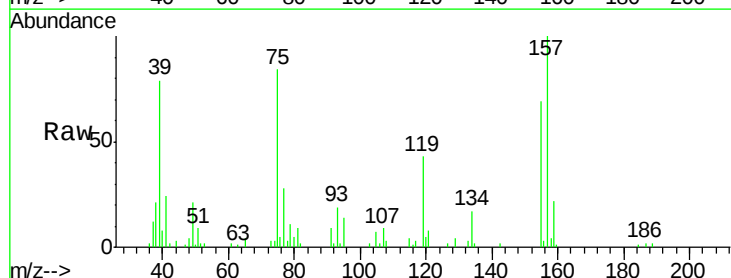
Tgt Ion: 75 Resp: 22469

Ion Ratio Lower Upper

75 100

155 82.3 54.5 163.5

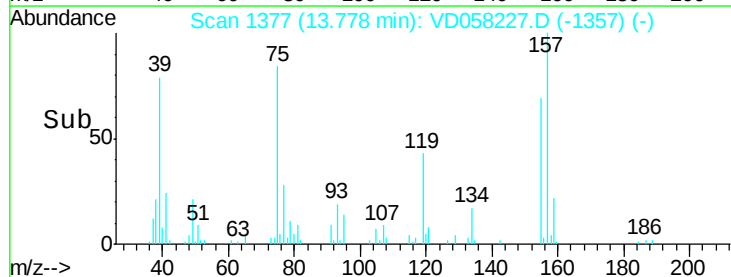
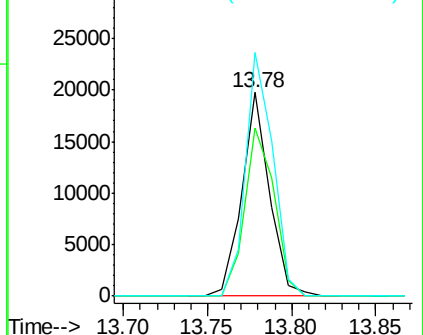
157 119.5 72.0 215.9



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

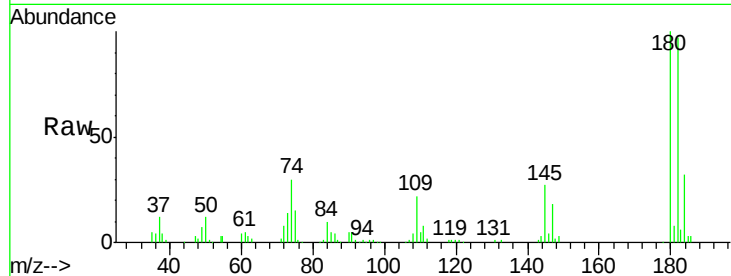




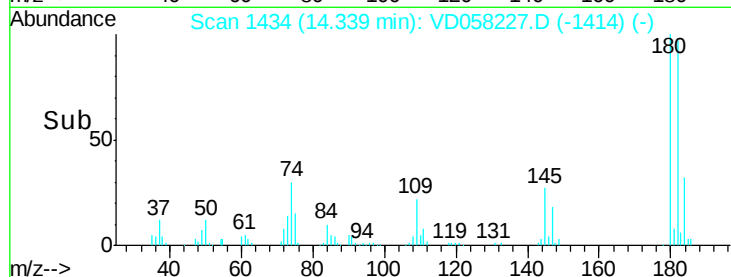
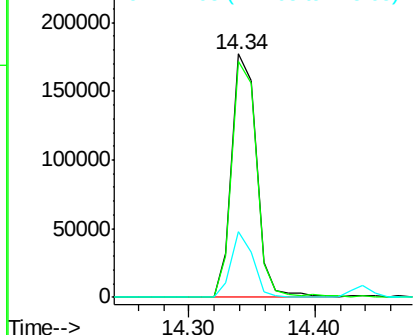
#93
 1,2,4-Trichlorobenzene
 Concen: 19.82 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS03

Tot Ion:180 Resp: 240281
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.1 141.3
 145 26.9 11.7 35.0

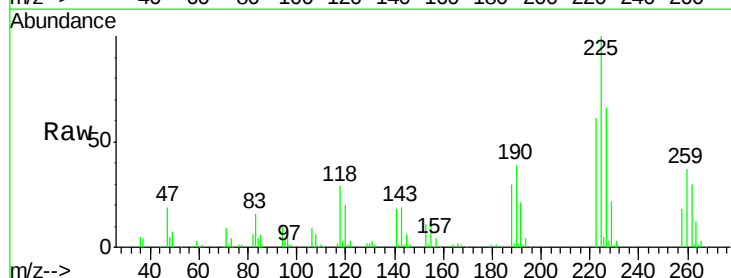


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

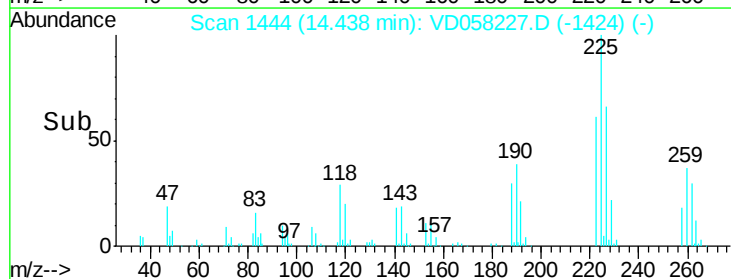
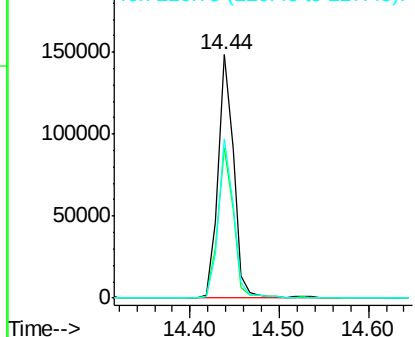


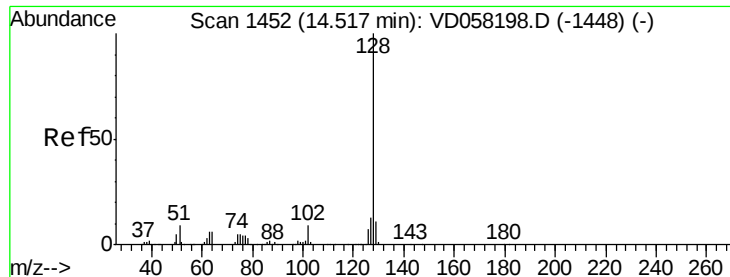
#94
 Hexachlorobutadiene
 Concen: 19.56 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058227.D
 Acq: 21 Jun 2018 1:16

Tgt Ion:225 Resp: 185436
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.1 90.3
 227 65.5 33.0 98.9



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





#95

Naphthalene

Concen: 21.65 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS03

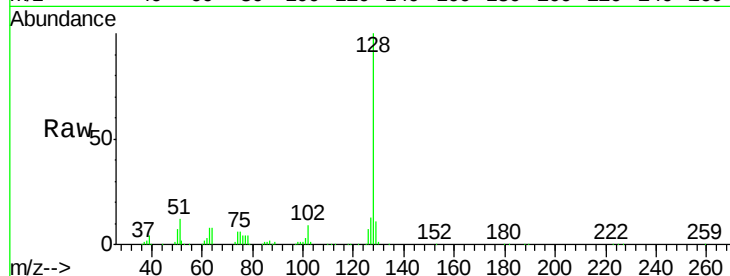
Tot Ion:128 Resp: 345681

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

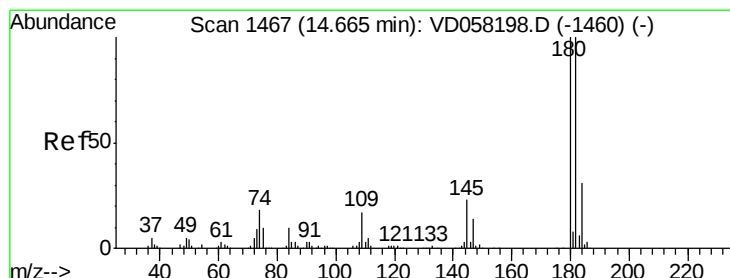
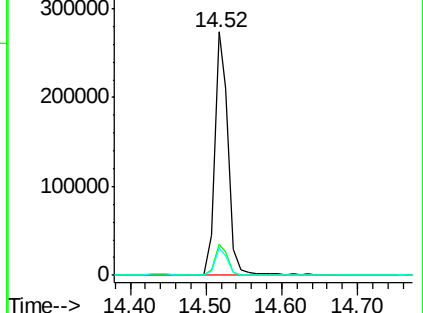
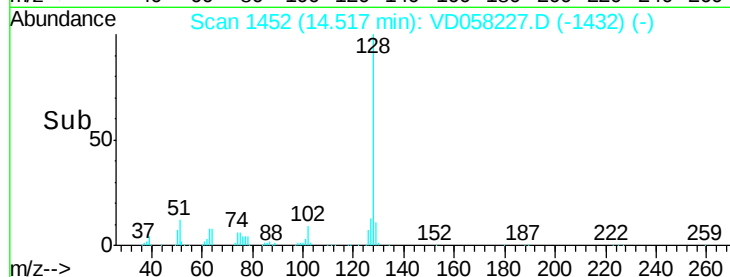
129 11.1 8.7 13.1



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: 20.10 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD058227.D

Acq: 21 Jun 2018 1:16

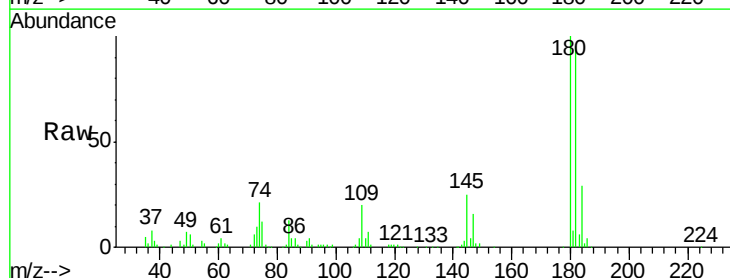
Tgt Ion:180 Resp: 213292

Ion Ratio Lower Upper

180 100

182 95.1 49.9 149.6

145 25.0 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

