

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058301.D
 Acq On : 22 Jun 2018 17:26
 Operator : VA/AP
 Sample : J3663-04MSD
 Misc : 7.21g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Quant Time: Jun 22 22:19:24 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	5.64	168	536843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	746850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	616438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	330735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	353156	65.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.26%	
35) Dibromofluoromethane	5.54	113	369598	60.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.60%	
50) Toluene-d8	8.70	98	814986	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
62) 4-Bromofluorobenzene	11.93	95	373375	62.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	419575	86.65	ug/l	99
3) Chloromethane	1.49	50	200455	88.96	ug/l	98
4) Vinyl Chloride	1.56	62	232377	82.63	ug/l	97
5) Bromomethane	1.80	94	88510	146.10	ug/l	91
6) Chloroethane	1.88	64	102026	Below	Cal	96
7) Trichlorofluoromethane	2.09	101	342400	88.80	ug/l	95
8) Diethyl Ether	2.34	74	69723	85.49	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	200153	81.65	ug/l	94
10) Methyl Iodide	2.69	142	249489	89.48	ug/l	98
11) Tert butyl alcohol	3.26	59	70487	394.13	ug/l #	91
12) 1,1-Dichloroethene	2.54	96	157101	85.18	ug/l	96
13) Acrolein	2.47	56	17842	174.76	ug/l	87
14) Allyl chloride	2.91	41	376792	87.78	ug/l	96
15) Acrylonitrile	3.36	53	184629	389.34	ug/l	87
16) Acetone	2.61	43	900077	1213.74	ug/l #	92
17) Carbon Disulfide	2.76	76	485654	77.39	ug/l	98
18) Methyl Acetate	2.93	43	112284	71.00	ug/l #	92
19) Methyl tert-butyl Ether	3.41	73	482314	98.59	ug/l	98
20) Methylene Chloride	3.07	84	174703	94.48	ug/l	92
21) trans-1,2-Dichloroethene	3.39	96	186504	92.53	ug/l	94
22) Diisopropyl ether	4.07	45	1369556	80.33	ug/l	97
23) Vinyl Acetate	4.02	43	3610898	395.09	ug/l	99
24) 1,1-Dichloroethane	3.97	63	781410	85.07	ug/l	98
25) 2-Butanone	4.83	43	1105021	683.68	ug/l	100
26) 2,2-Dichloropropane	4.79	77	638618	83.03	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	692361	137.45	ug/l	96
28) Bromochloromethane	5.14	49	326441	79.28	ug/l #	95
29) Tetrahydrofuran	5.18	42	308513	358.61	ug/l	97
30) Chloroform	5.32	83	821359	84.70	ug/l	92
31) Cyclohexane	5.59	56	552342	86.66	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	666441	83.18	ug/l	97
36) 1,1-Dichloropropene	5.74	75	544881	73.75	ug/l	98
37) Ethyl Acetate	4.92	43	301860	71.71	ug/l #	97
38) Carbon Tetrachloride	5.72	117	563928	76.82	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	507660	70.54	ug/l	97
40) Benzene	6.01	78	1350097	76.71	ug/l	98
41) Methacrylonitrile	5.12	41	156544	77.01	ug/l	96
42) 1,2-Dichloroethane	6.12	62	557221	78.52	ug/l	98
43) Isopropyl Acetate	7.61	43	377167	67.20	ug/l	99
44) Trichloroethene	6.98	130	415948	78.71	ug/l	93
45) 1,2-Dichloropropane	7.34	63	360236	76.00	ug/l	100
46) Dibromomethane	7.46	93	250091	77.29	ug/l	95
47) Bromodichloromethane	7.74	83	573663	77.75	ug/l	100
48) Methyl methacrylate	7.50	41	238818	70.01	ug/l	98
49) 1,4-Dioxane	7.49	88	44673	1450.90	ug/l #	69
51) 4-Methyl-2-Pentanone	8.59	43	1793055	489.81	ug/l	100
52) Toluene	8.80	92	833578	83.18	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	491903	76.68	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	584903	77.77	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	267632	75.48	ug/l	97
56) Ethyl methacrylate	9.31	69	307180	72.44	ug/l	98
57) 1,3-Dichloropropane	9.67	76	428499	71.75	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	766367	365.08	ug/l	97
59) 2-Hexanone	9.79	43	1002071	378.83	ug/l	97
60) Dibromochloromethane	9.95	129	375152	77.96	ug/l	96
61) 1,2-Dibromoethane	10.09	107	278467	71.76	ug/l	96
64) Tetrachloroethene	9.51	164	385486	74.32	ug/l	96
65) Chlorobenzene	10.72	112	3047316	264.28	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	341167	76.67	ug/l	98
67) Ethyl Benzene	10.86	91	1554392	76.36	ug/l	99
68) m/p-Xylenes	11.01	106	1075493	158.43	ug/l	100
69) o-Xylene	11.40	106	486857	75.09	ug/l	94
70) Styrene	11.43	104	835272	75.49	ug/l	98
71) Bromoform	11.60	173	266967	75.21	ug/l	98
73) Isopropylbenzene	11.77	105	1409653	71.26	ug/l	99
74) N-amyl acetate	11.65	43	574881	75.16	ug/l	97
75) 1,1,1,2,2-Tetrachloroethane	12.07	83	302353	65.68	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	317167	65.68	ug/l	99
77) Bromobenzene	12.04	156	423514	71.49	ug/l	94
78) n-propylbenzene	12.15	91	1828518	71.57	ug/l	98
79) 2-Chlorotoluene	12.22	91	1086007	74.29	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	1269085	82.25	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	77706	65.98	ug/l	96
82) 4-Chlorotoluene	12.33	91	1145705	84.13	ug/l	94
83) tert-Butylbenzene	12.57	119	1063003	59.92	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	1810887	107.97	ug/l	98
85) sec-Butylbenzene	12.76	105	1473570	70.87	ug/l	96
86) p-Isopropyltoluene	12.89	119	1180486	70.06	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	1518880	147.52	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	2346596	233.39	ug/l	94
89) n-Butylbenzene	13.19	91	571092	32.25	ug/l	97
90) Hexachloroethane	13.40	117	328068	75.01	ug/l	82
91) 1,2-Dichlorobenzene	13.20	146	6816594	777.96	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	60965	83.21	ug/l	76

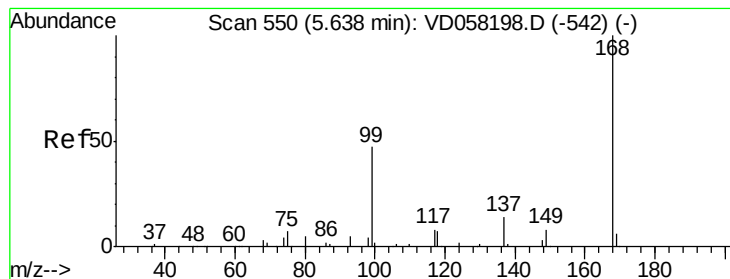
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	605360	72.24	ug/l	95
94) Hexachlorobutadiene	14.43	225	401858	61.31	ug/l	99
95) Naphthalene	14.51	128	1135866	102.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	503727	68.66	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

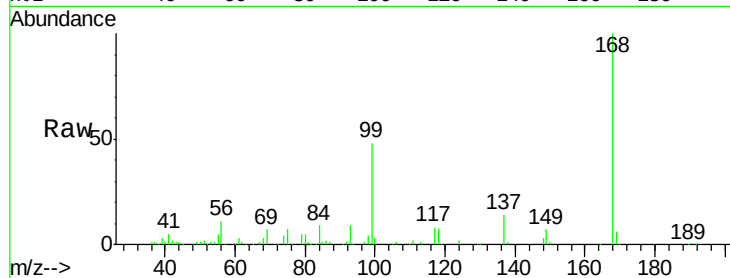
WP021SB472-13-15-180618MSD

Tot Ion:168 Resp: 536843

Ion Ratio Lower Upper

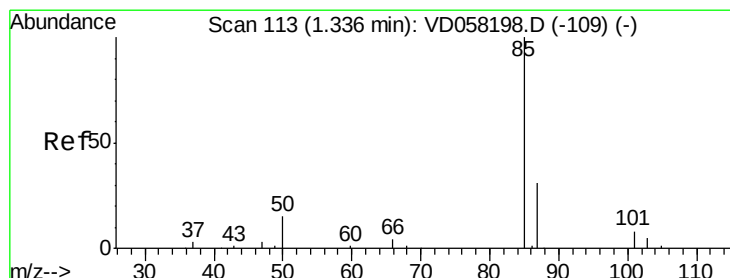
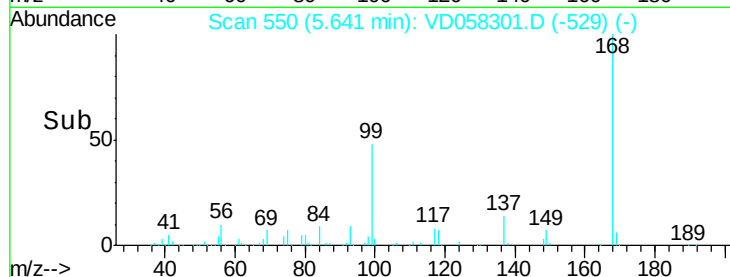
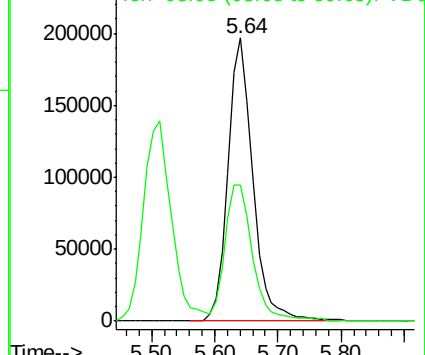
168 100

99 47.9 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: 86.65 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058301.D

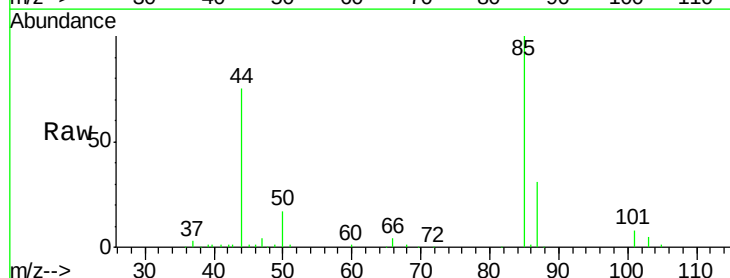
Acq: 22 Jun 2018 17:26

Tgt Ion: 85 Resp: 419575

Ion Ratio Lower Upper

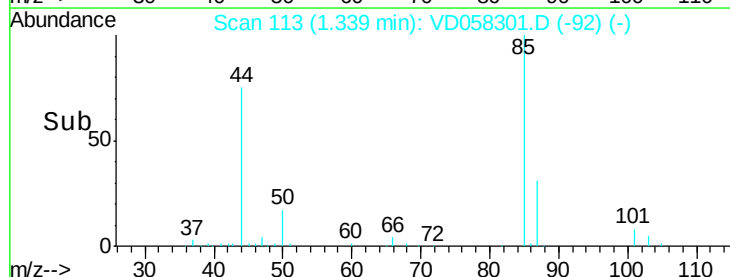
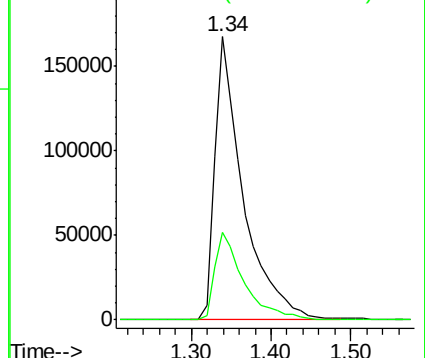
85 100

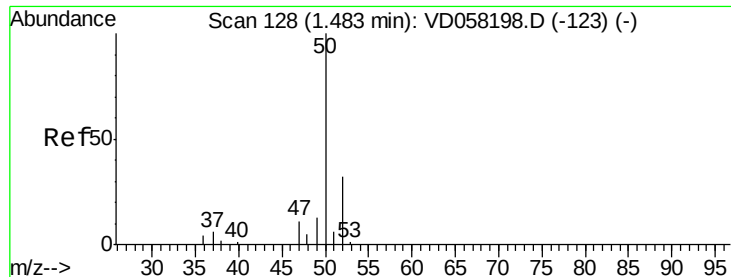
87 30.8 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 88.96 ug/l

RT: 1.49 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

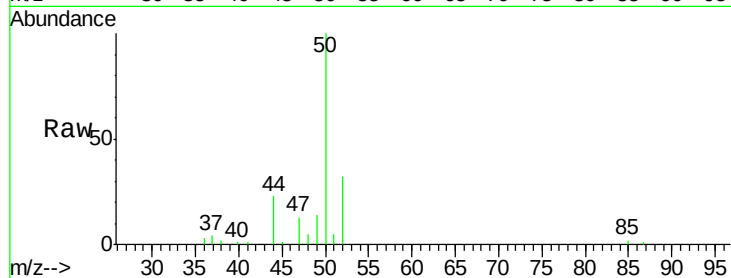
WP021SB472-13-15-180618MSD

Tot Ion: 50 Resp: 200455

Ion Ratio Lower Upper

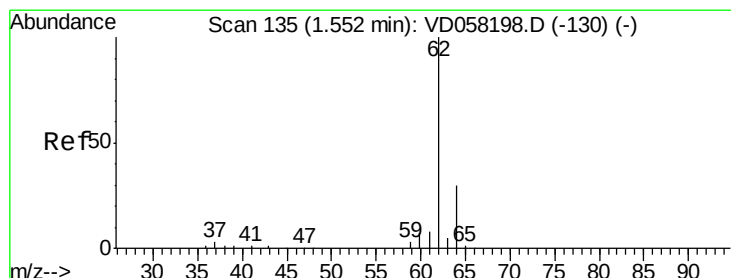
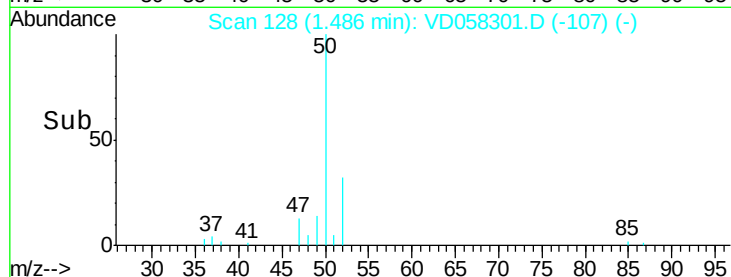
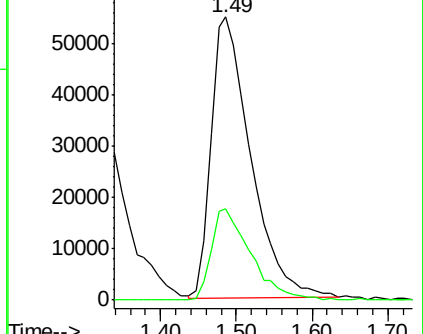
50 100

52 32.3 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: 82.63 ug/l

RT: 1.56 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058301.D

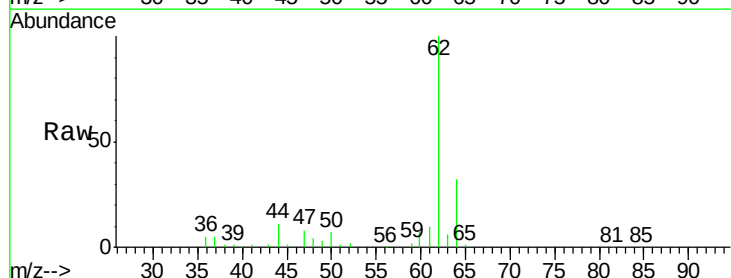
Acq: 22 Jun 2018 17:26

Tgt Ion: 62 Resp: 232377

Ion Ratio Lower Upper

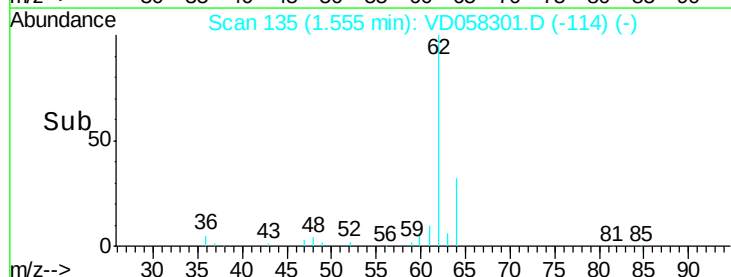
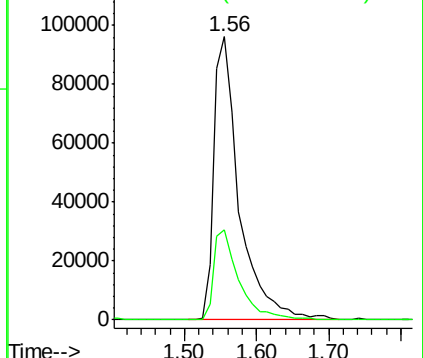
62 100

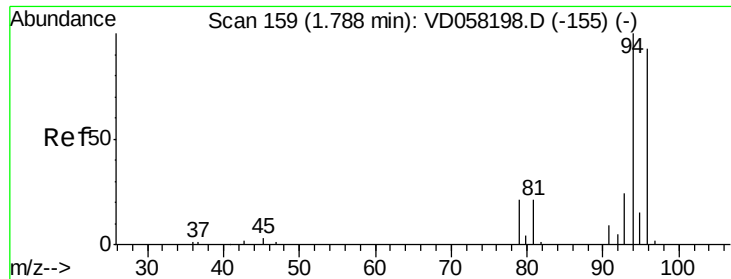
64 31.9 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 146.10 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

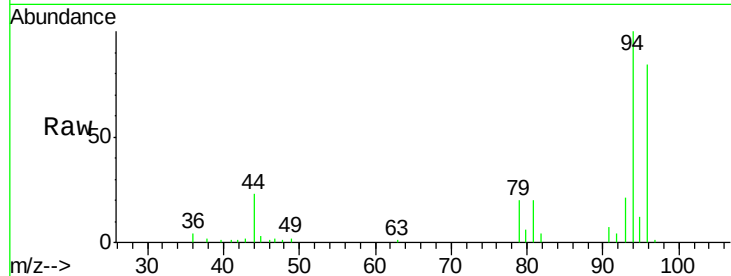
WP021SB472-13-15-180618MSD

Tot Ion: 94 Resp: 88510

Ion Ratio Lower Upper

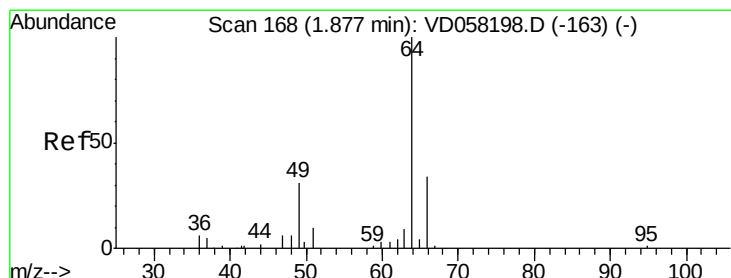
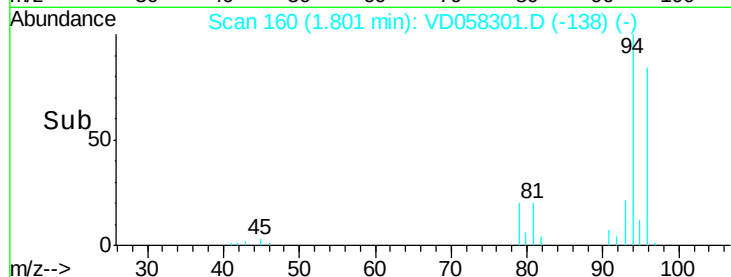
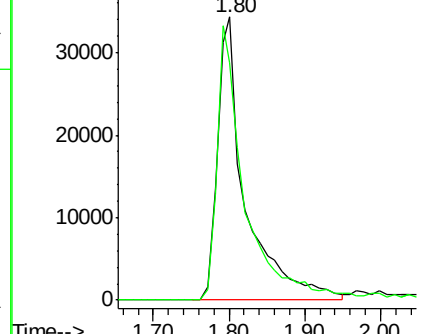
94 100

96 84.0 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: Below Cal

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD058301.D

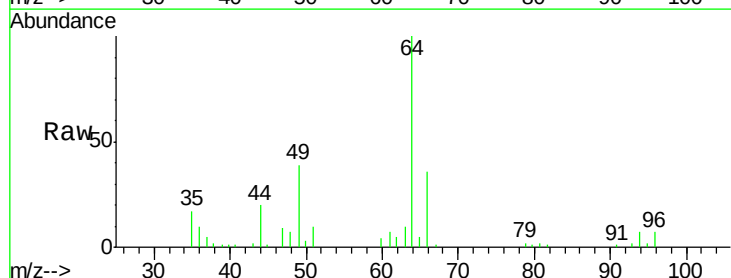
Acq: 22 Jun 2018 17:26

Tgt Ion: 64 Resp: 102026

Ion Ratio Lower Upper

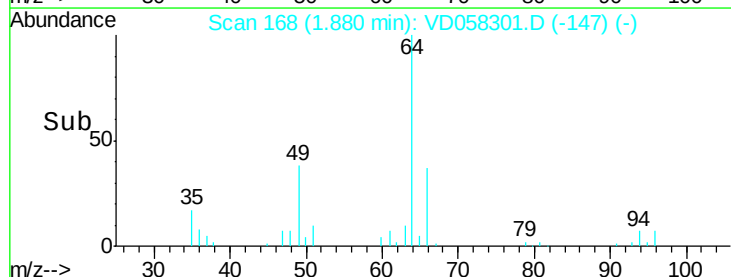
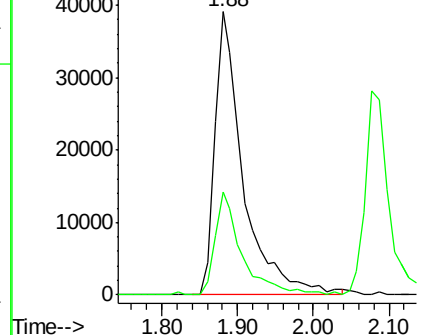
64 100

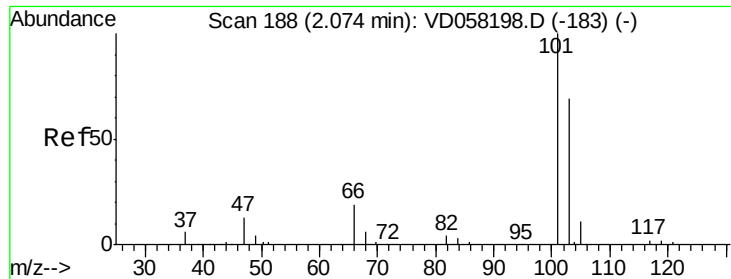
66 36.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



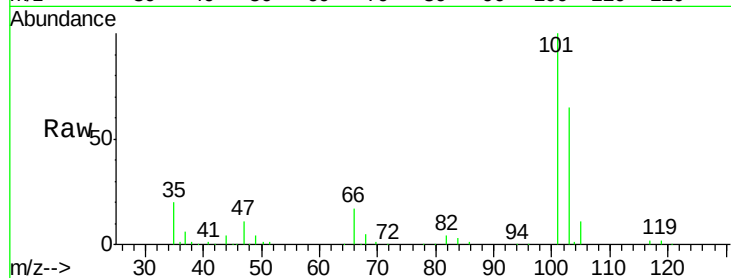


#7

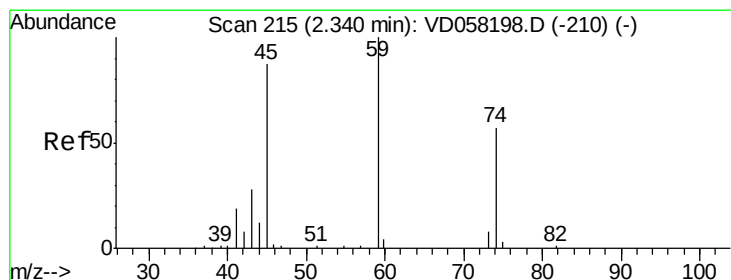
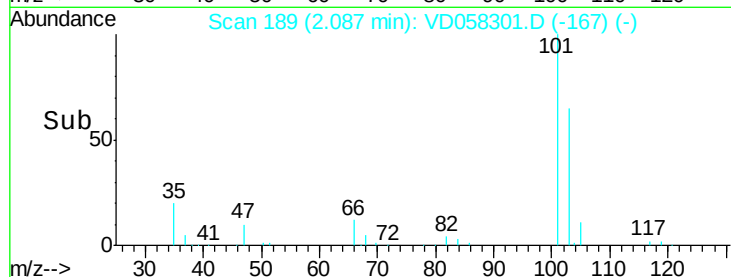
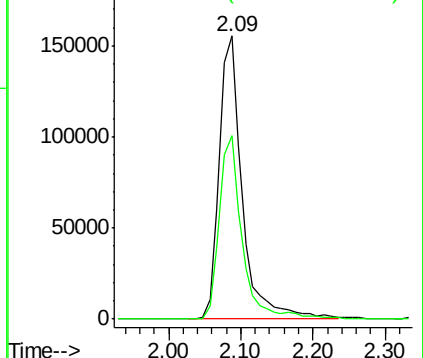
Trichlorofluoromethane
 Concen: 88.80 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion:101 Resp: 342400
 Ion Ratio Lower Upper
 101 100
 103 64.9 55.1 82.7



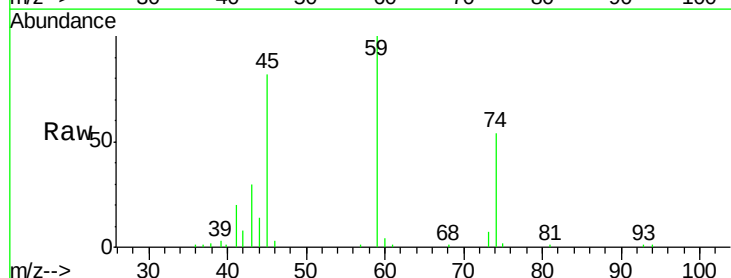
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



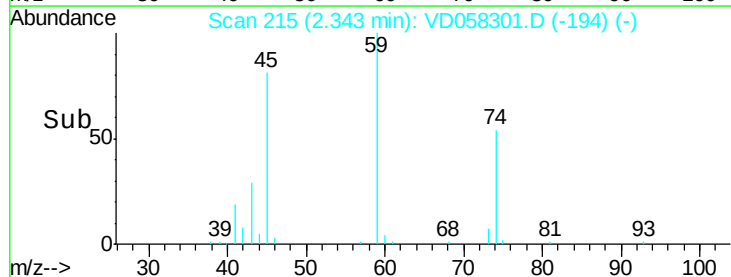
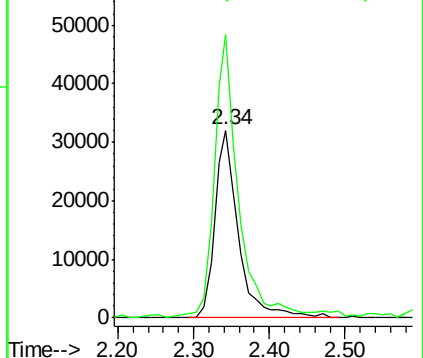
#8

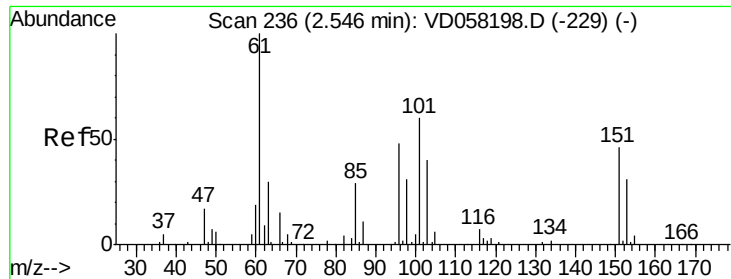
Diethyl Ether
 Concen: 85.49 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Tgt Ion: 74 Resp: 69723
 Ion Ratio Lower Upper
 74 100
 45 150.9 77.5 232.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 81.65 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

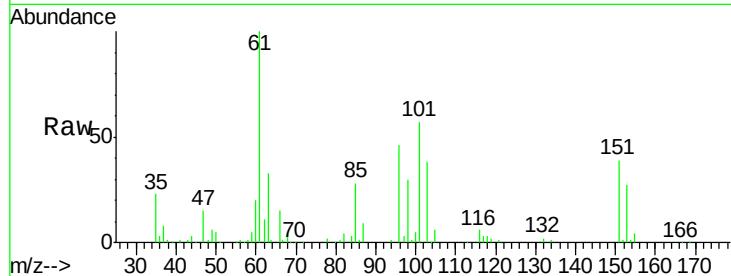
Tot Ion:101 Resp: 200153

Ion Ratio Lower Upper

101 100

85 48.3 39.0 58.4

151 68.6 61.8 92.8

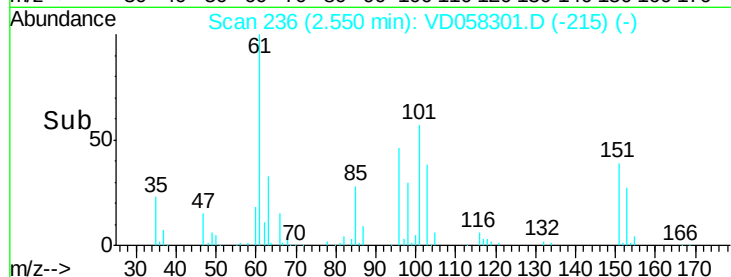


Abundance Ion 100.85 (100.55 to 101.55): V

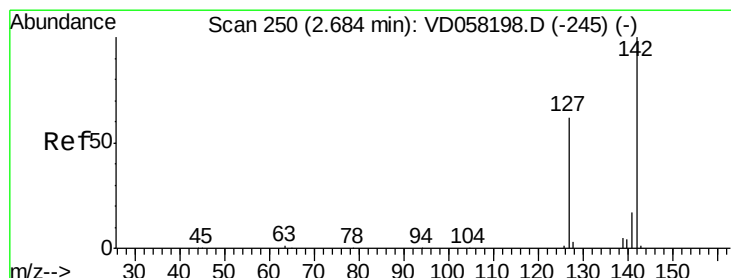
Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 89.48 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

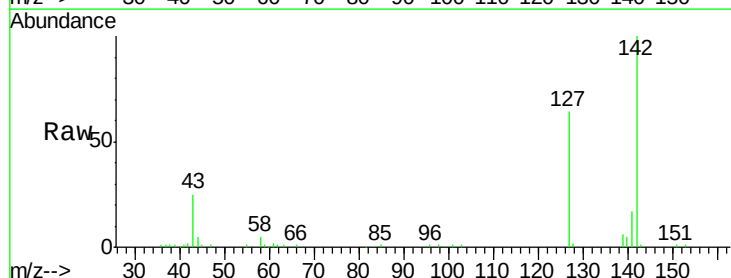
Tgt Ion:142 Resp: 249489

Ion Ratio Lower Upper

142 100

127 63.6 49.4 74.0

141 17.1 13.5 20.3

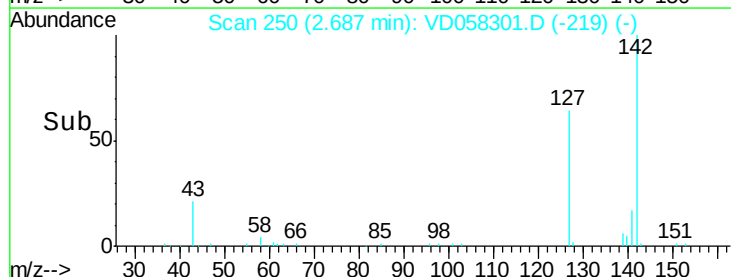


Abundance Ion 141.85 (141.55 to 142.55): V

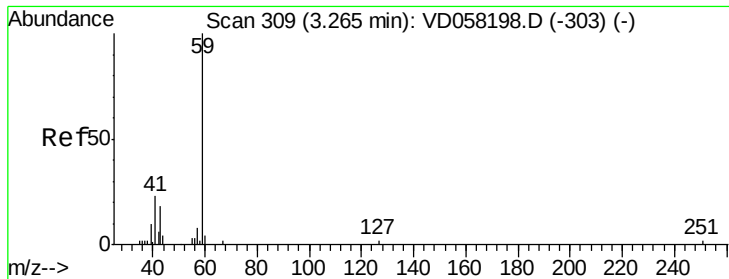
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

Time-->



Time-->

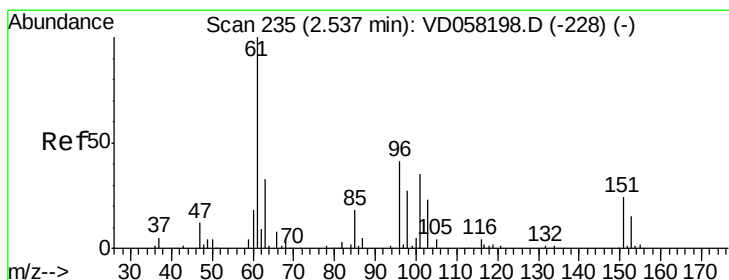
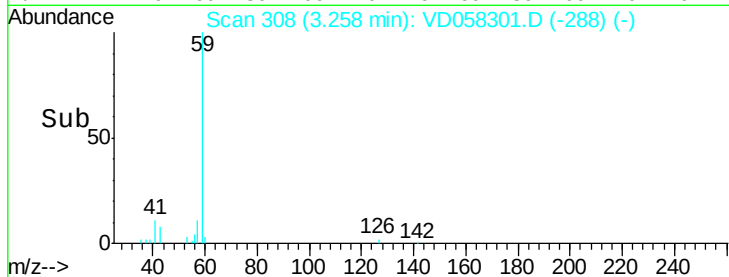
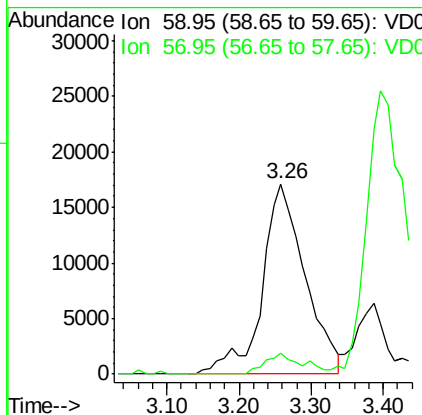
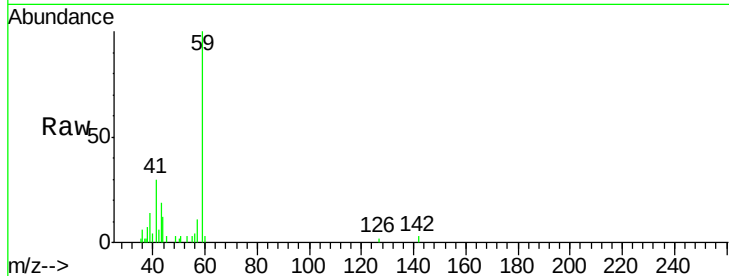


#11

Tert butyl alcohol
 Concen: 394.13 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

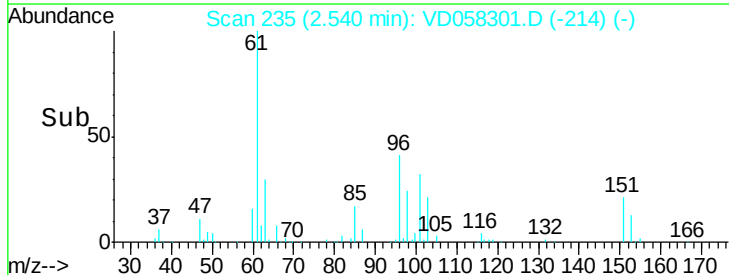
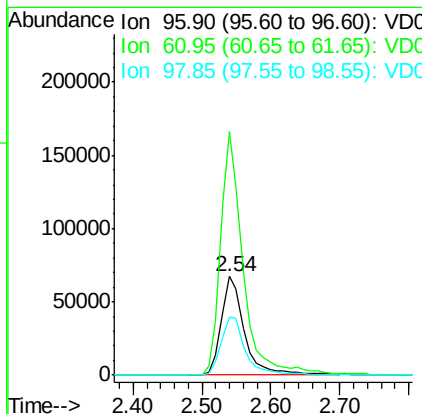
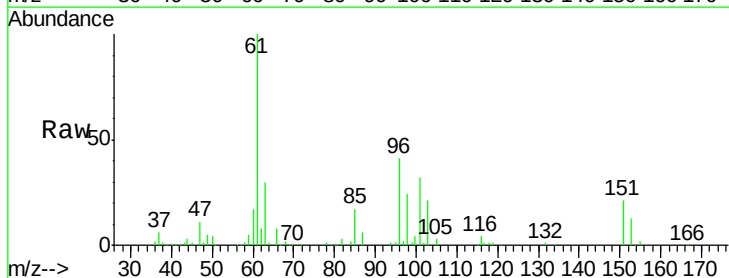
Tot Ion: 59 Resp: 70487
 Ion Ratio Lower Upper
 59 100
 57 10.9 6.2 9.4#

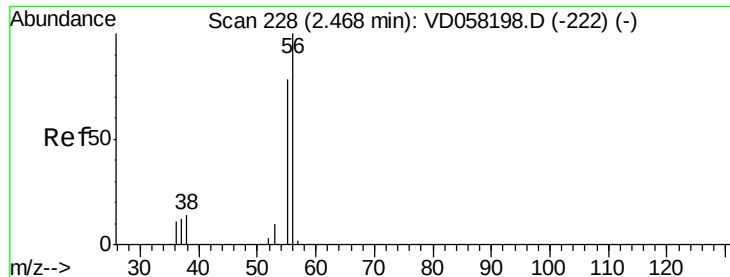


#12

1,1-Dichloroethene
 Concen: 85.18 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Tgt Ion: 96 Resp: 157101
 Ion Ratio Lower Upper
 96 100
 61 246.8 193.9 290.9
 98 58.4 51.7 77.5





#13

Acrolein

Concen: 174.76 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

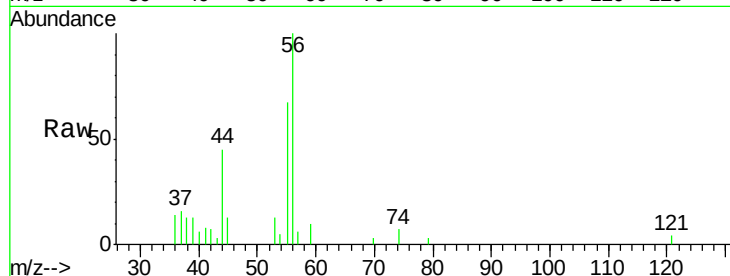
WP021SB472-13-15-180618MSD

Tot Ion: 56 Resp: 17842

Ion Ratio Lower Upper

56 100

55 66.5 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

10000

8000

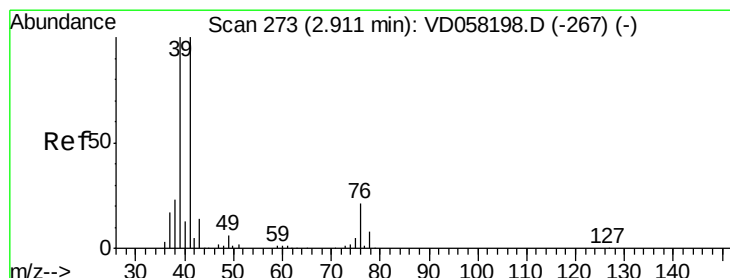
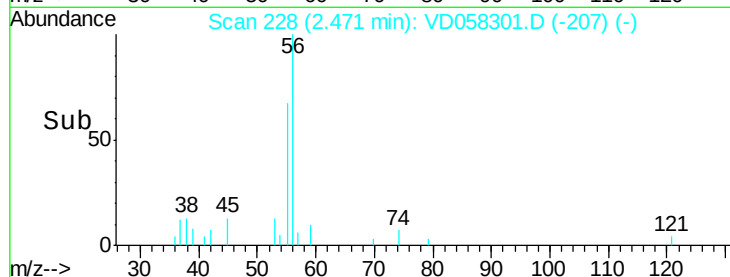
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 87.78 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

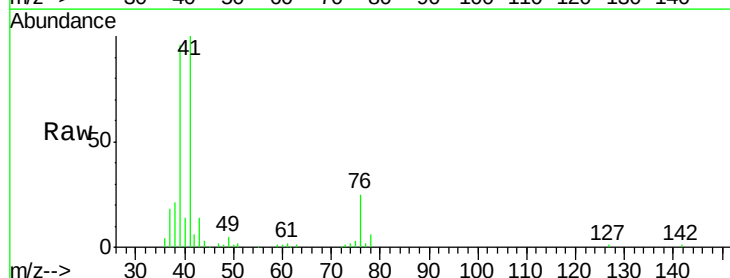
Tgt Ion: 41 Resp: 376792

Ion Ratio Lower Upper

41 100

39 95.8 80.1 120.1

76 24.6 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

2.91

250000

200000

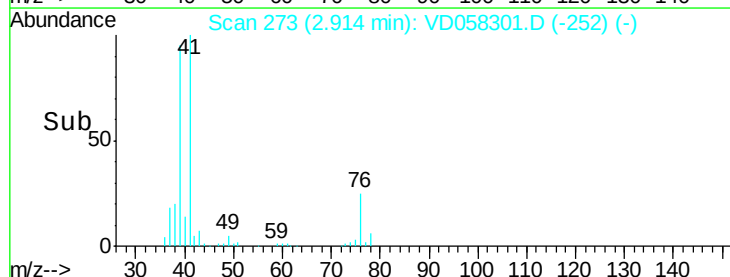
150000

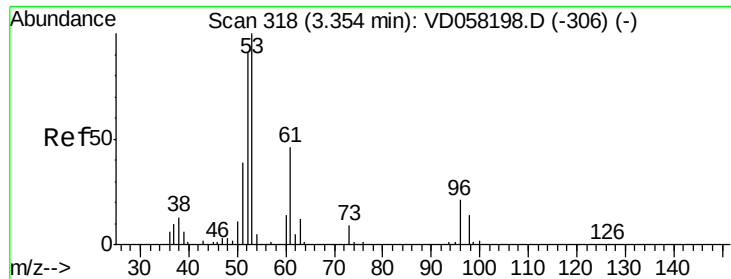
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 389.34 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

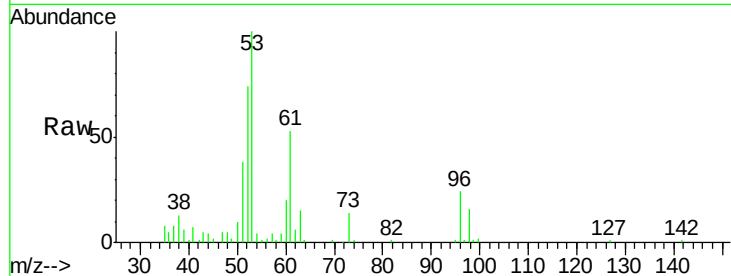
Tot Ion: 53 Resp: 184629

Ion Ratio Lower Upper

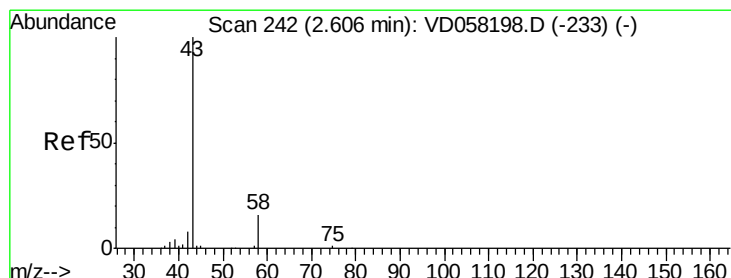
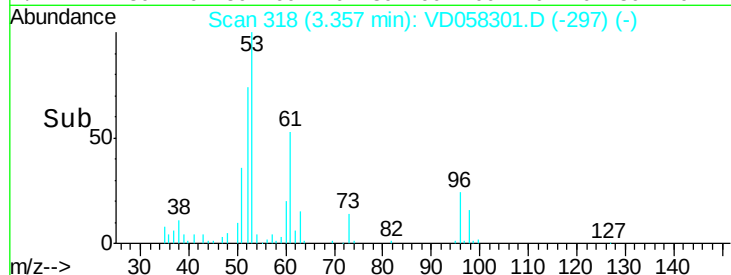
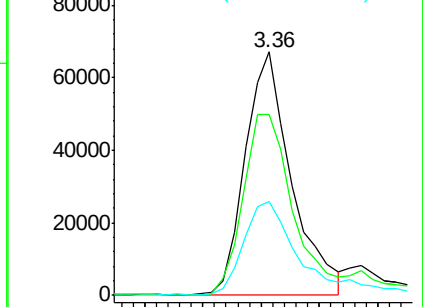
53 100

52 74.1 72.6 108.8

51 38.4 32.2 48.4



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



#16

Acetone

Concen: 1213.74 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058301.D

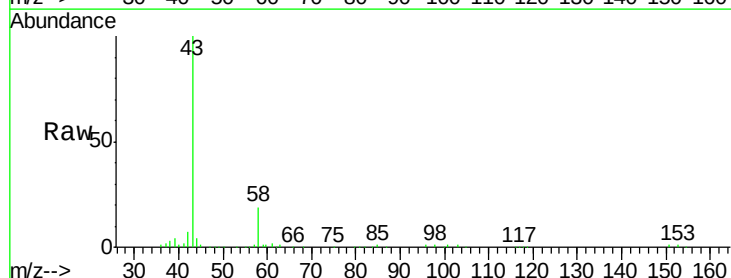
Acq: 22 Jun 2018 17:26

Tgt Ion: 43 Resp: 900077

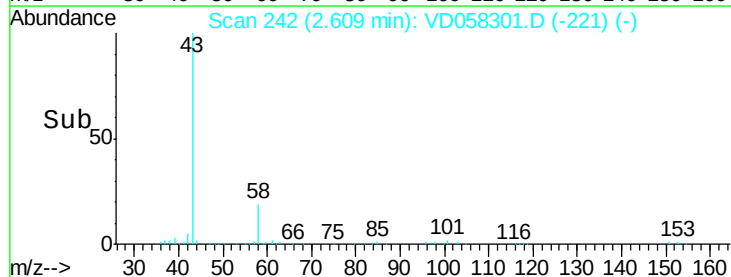
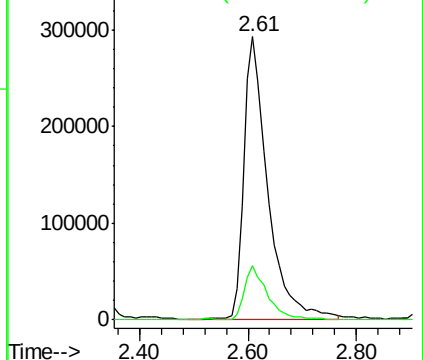
Ion Ratio Lower Upper

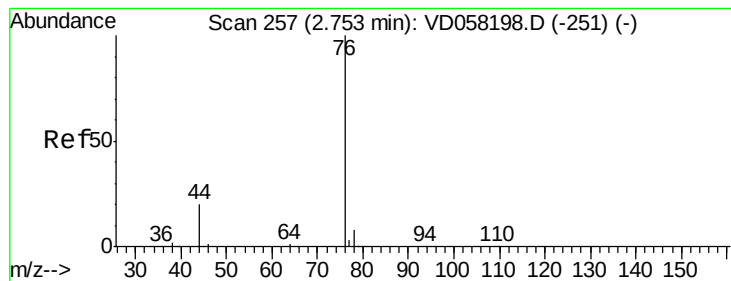
43 100

58 19.3 12.7 19.1#



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





#17

Carbon Disulfide

Concen: 77.39 ug/l

RT: 2.76 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

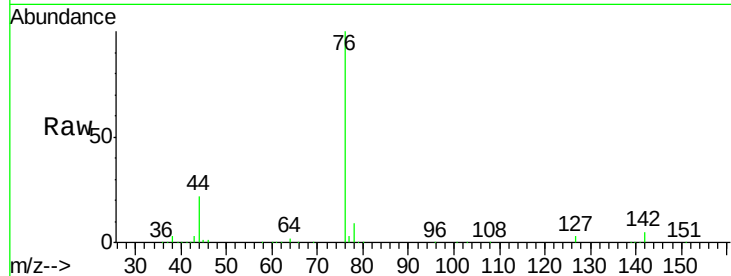
WP021SB472-13-15-180618MSD

Tot Ion: 76 Resp: 485654

Ion Ratio Lower Upper

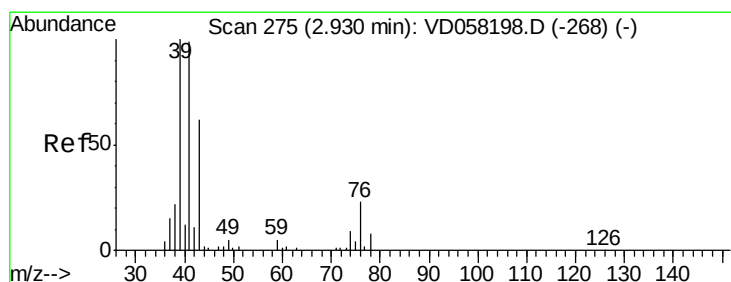
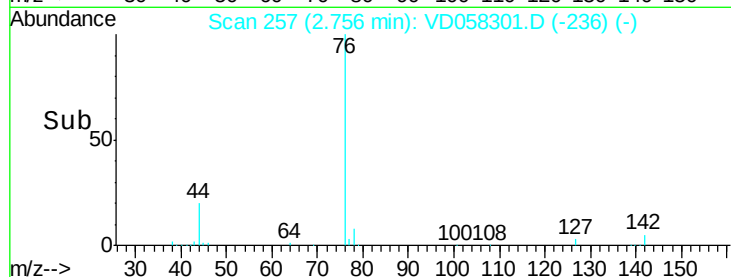
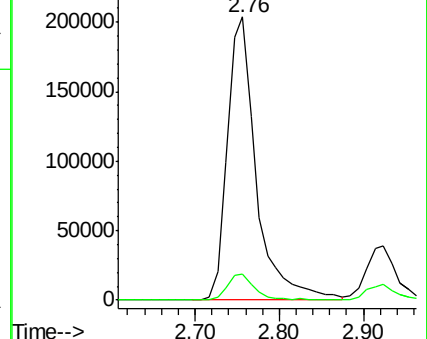
76 100

78 9.0 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: 71.00 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD058301.D

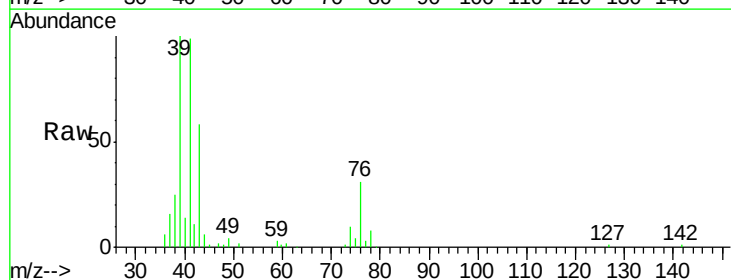
Acq: 22 Jun 2018 17:26

Tgt Ion: 43 Resp: 112284

Ion Ratio Lower Upper

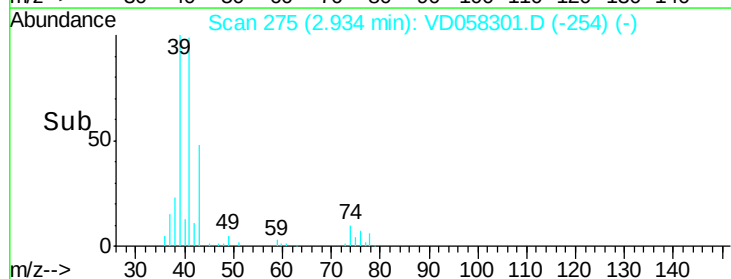
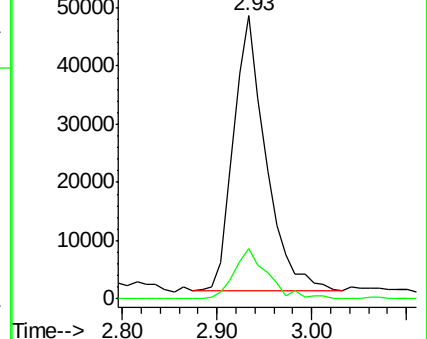
43 100

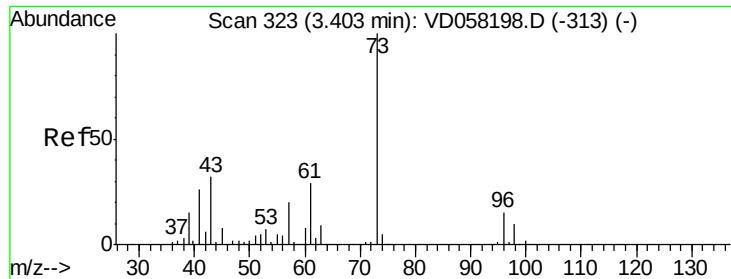
74 17.7 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

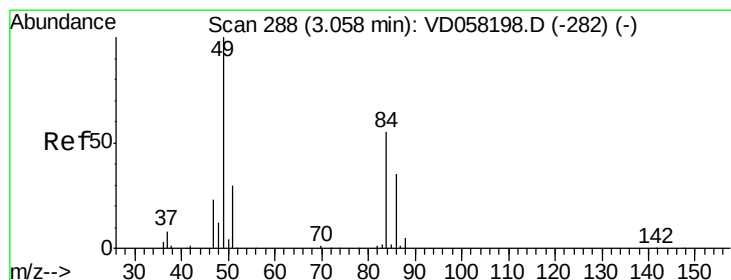
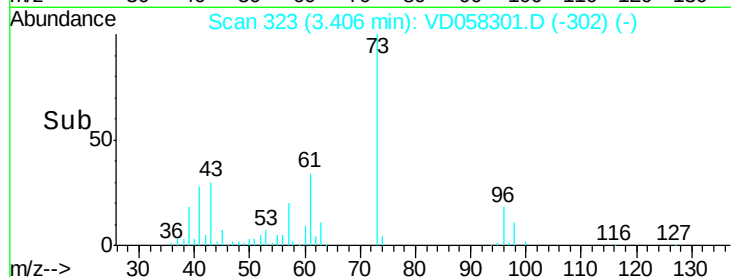
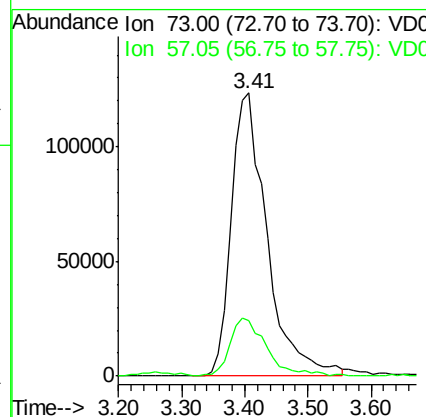
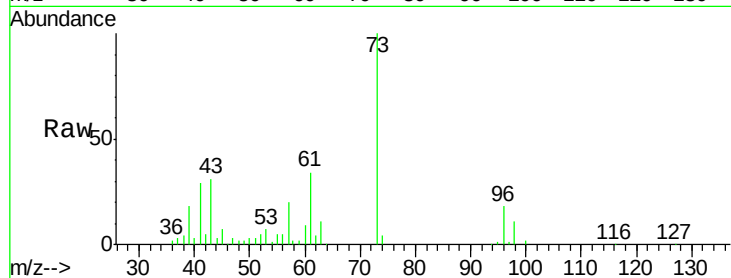




#19
Methyl tert-butyl Ether
Concen: 98.59 ug/l
RT: 3.41 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

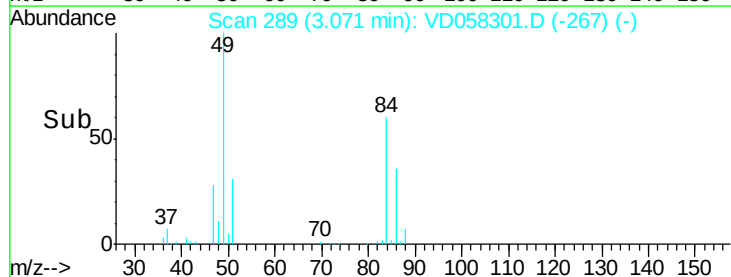
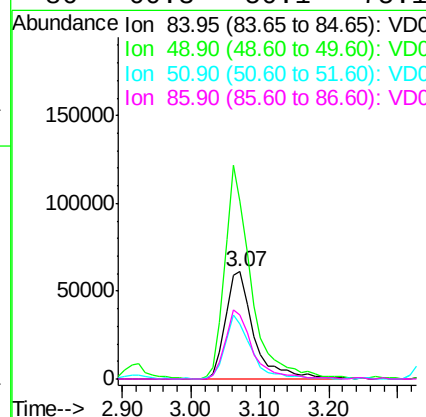
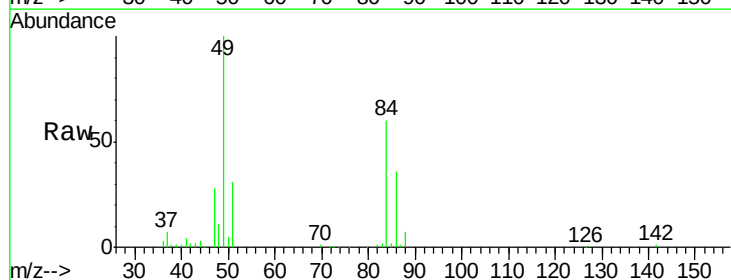
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

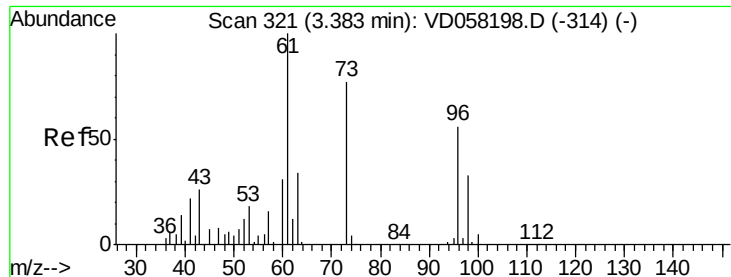
Tot Ion: 73 Resp: 482314
Ion Ratio Lower Upper
73 100
57 19.7 16.6 24.8



#20
Methylene Chloride
Concen: 94.48 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion: 84 Resp: 174703
Ion Ratio Lower Upper
84 100
49 166.3 145.0 217.6
51 51.4 42.9 64.3
86 60.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 92.53 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

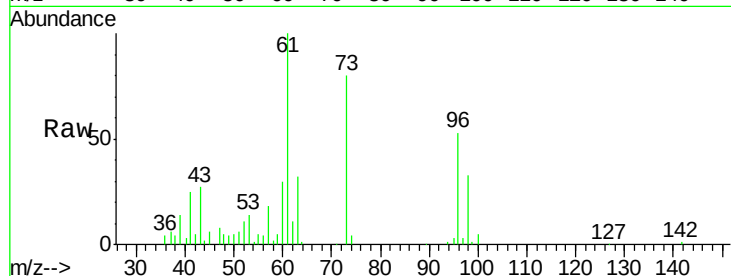
Tot Ion: 96 Resp: 186504

Ion Ratio Lower Upper

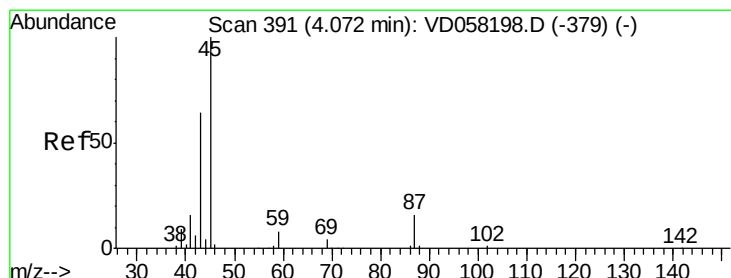
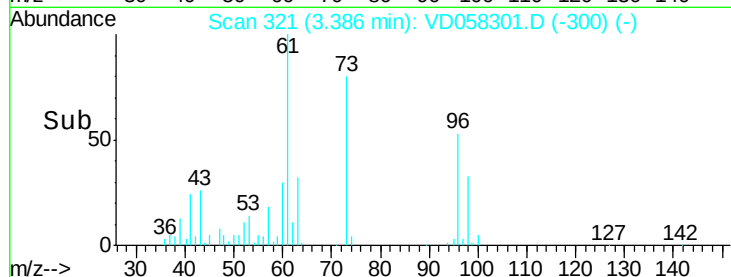
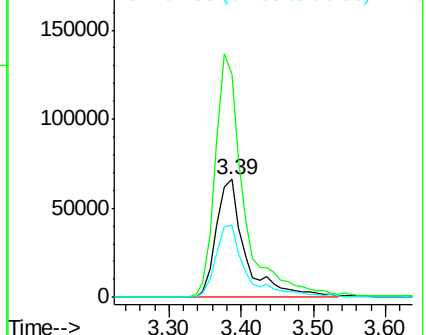
96 100

61 190.0 143.8 215.6

98 61.8 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: 80.33 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Tgt Ion: 45 Resp: 1369556

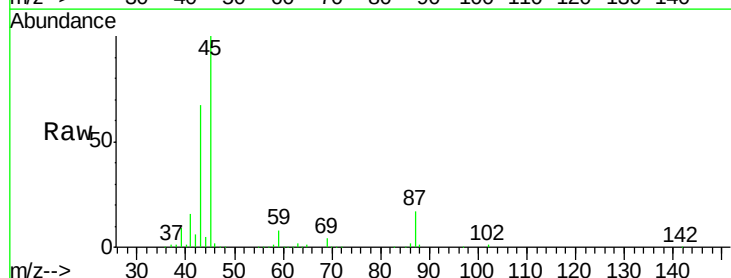
Ion Ratio Lower Upper

45 100

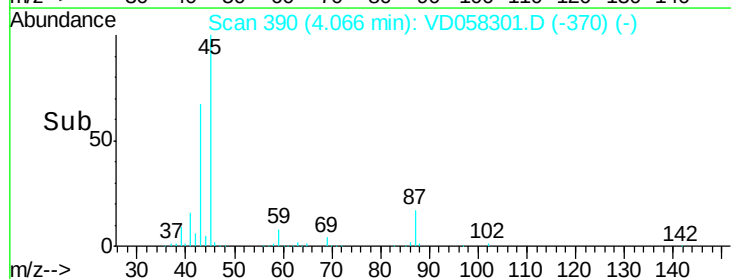
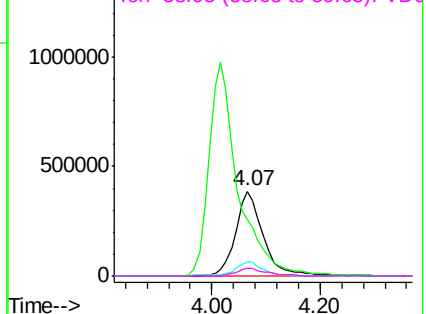
43 66.8 51.4 77.0

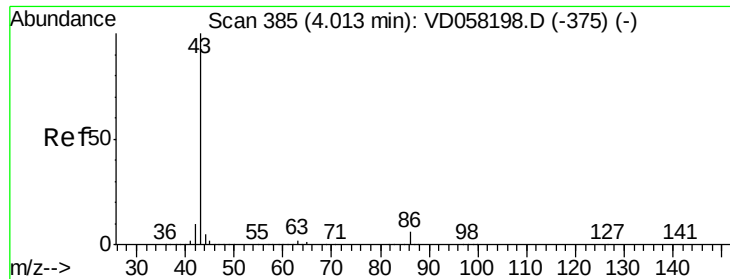
87 17.0 13.0 19.4

59 8.4 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: 395.09 ug/l

RT: 4.02 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

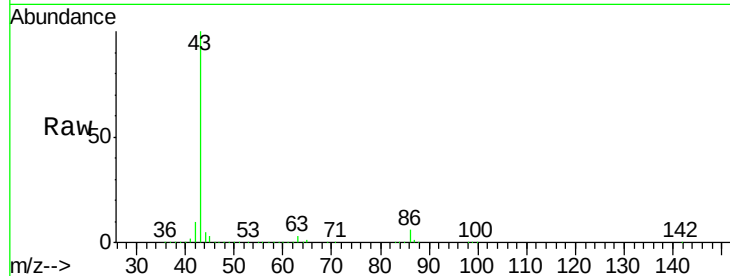
WP021SB472-13-15-180618MSD

Tot Ion: 43 Resp: 3610898

Ion Ratio Lower Upper

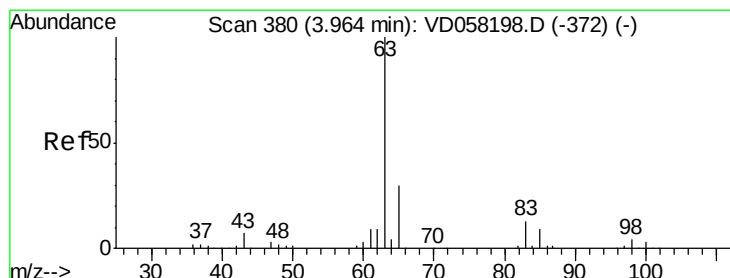
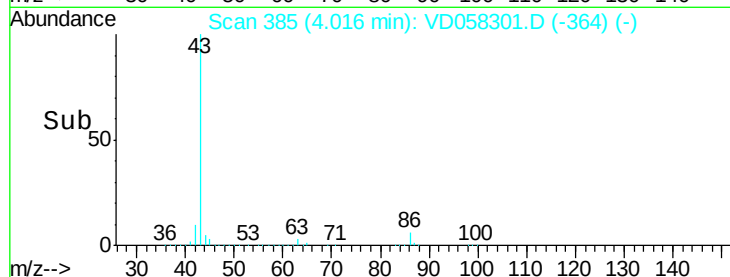
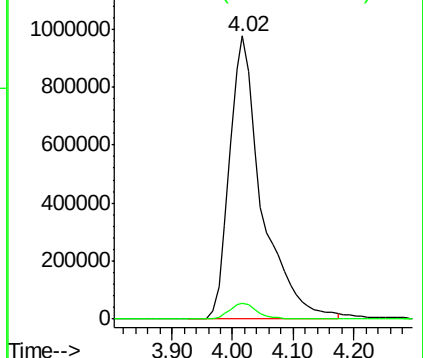
43 100

86 5.8 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: 85.07 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

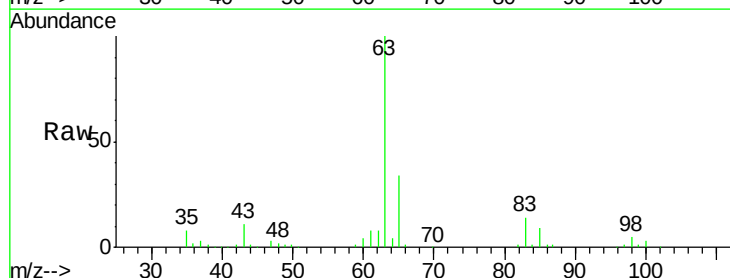
Tgt Ion: 63 Resp: 781410

Ion Ratio Lower Upper

63 100

98 5.0 1.9 5.7

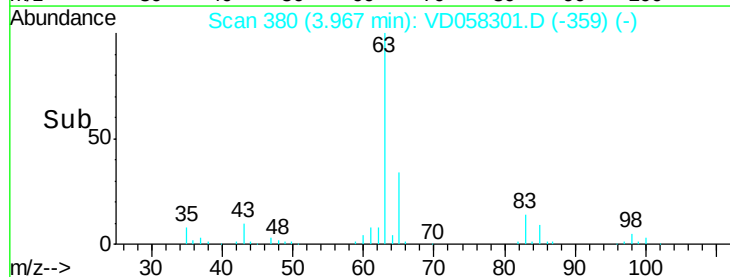
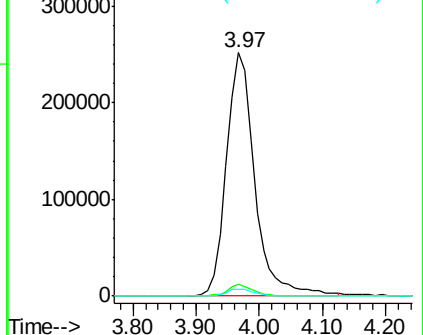
100 2.7 1.3 3.9

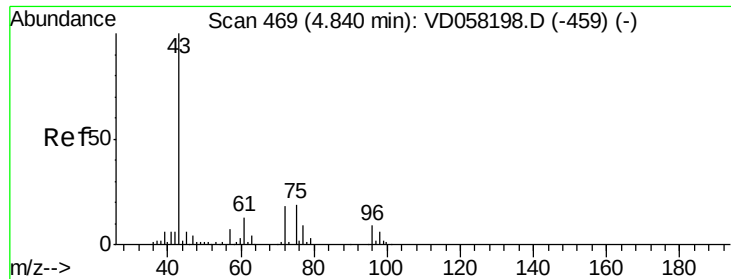


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 683.68 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

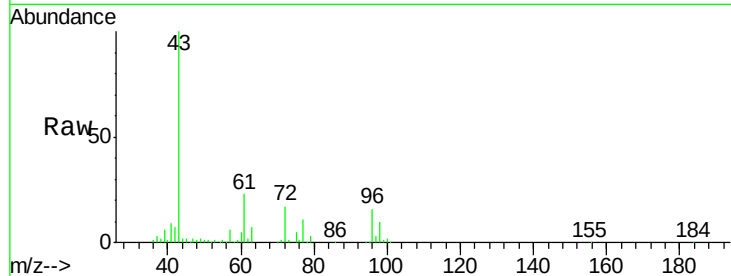
WP021SB472-13-15-180618MSD

Tot Ion: 43 Resp: 1105021

Ion Ratio Lower Upper

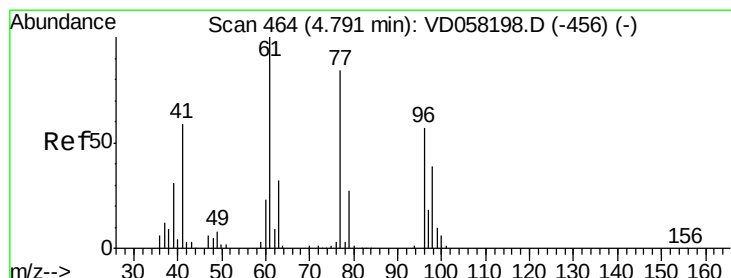
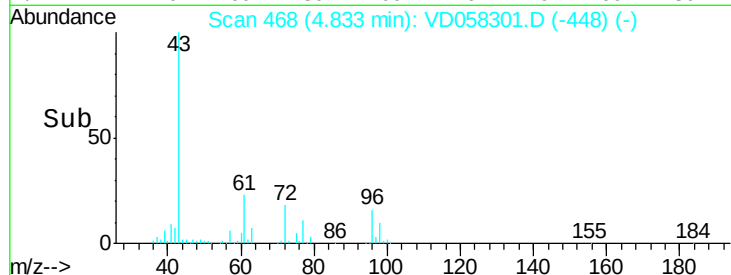
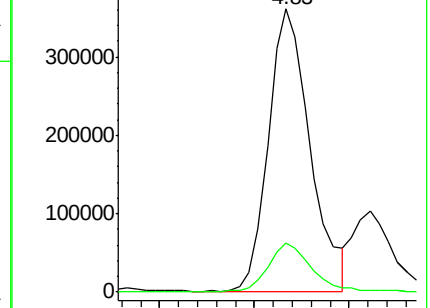
43 100

72 17.5 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: 83.03 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058301.D

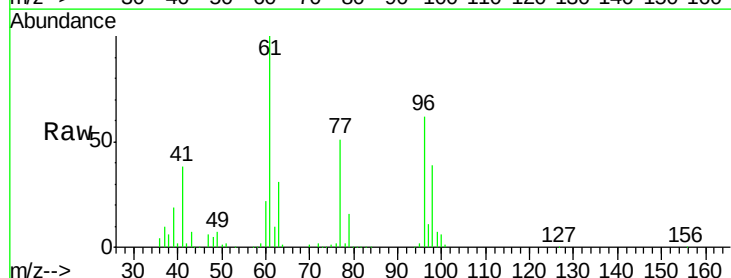
Acq: 22 Jun 2018 17:26

Tgt Ion: 77 Resp: 638618

Ion Ratio Lower Upper

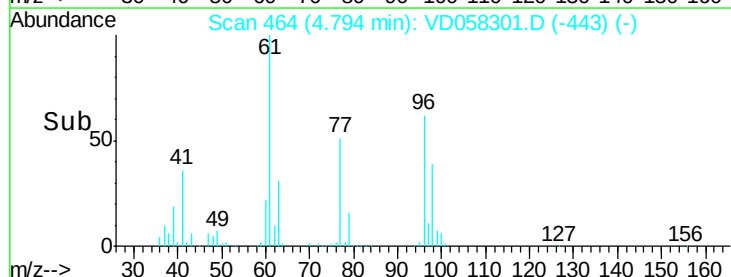
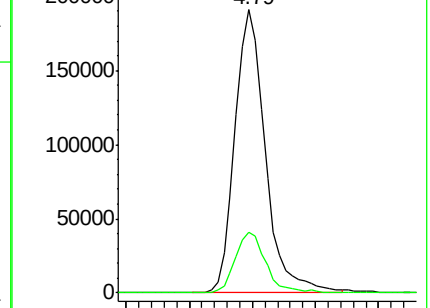
77 100

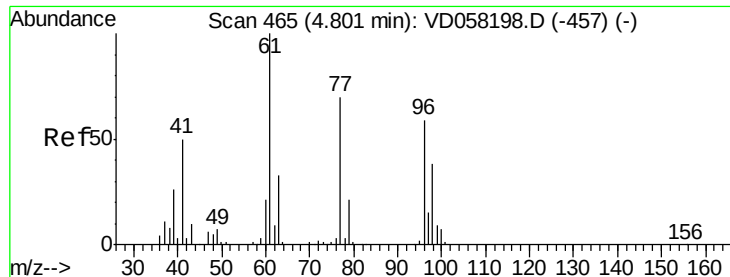
97 21.3 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 137.45 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

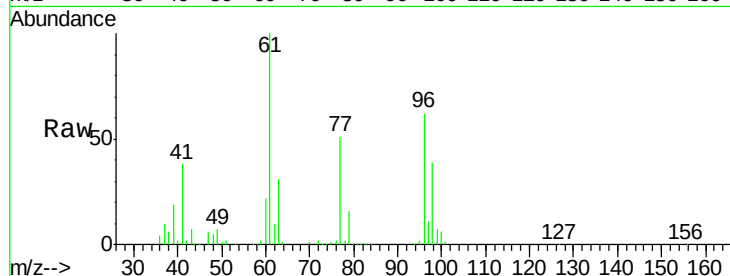
Tot Ion: 96 Resp: 692361

Ion Ratio Lower Upper

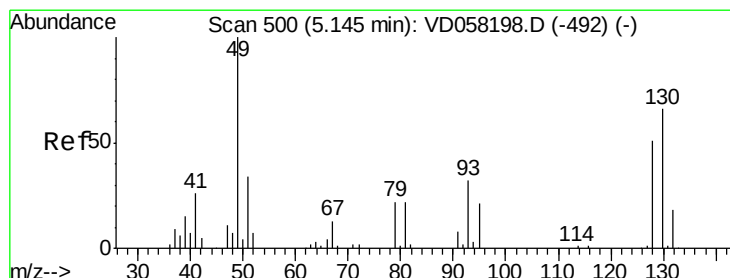
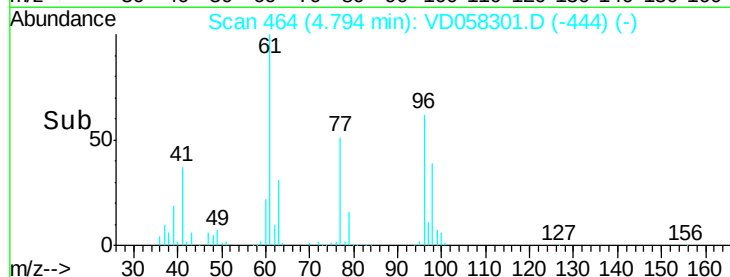
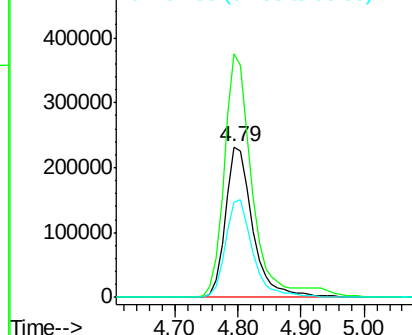
96 100

61 162.1 0.0 338.6

98 63.5 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: 79.28 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

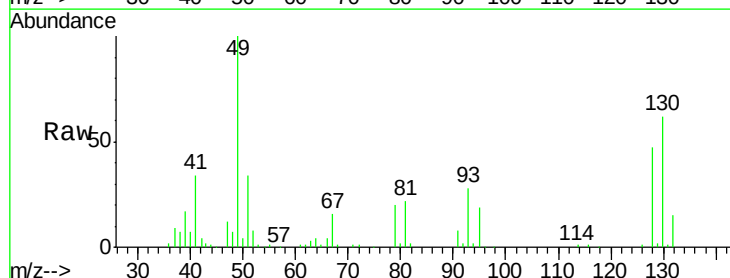
Tgt Ion: 49 Resp: 326441

Ion Ratio Lower Upper

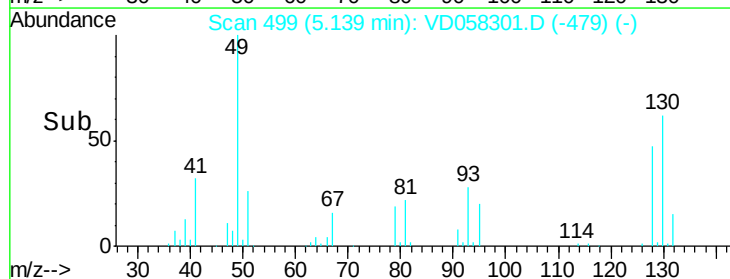
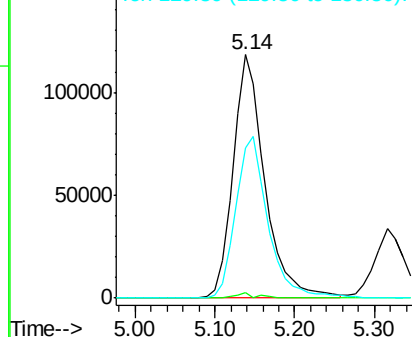
49 100

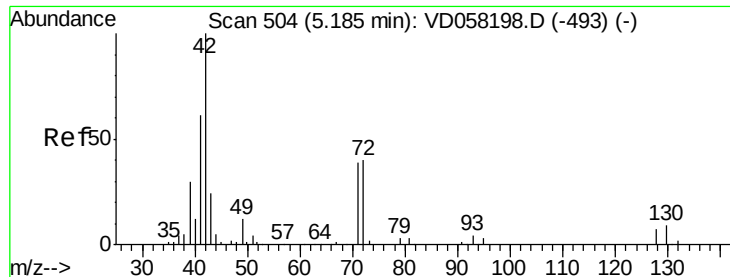
129 2.1 0.0 0.0#

130 61.7 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

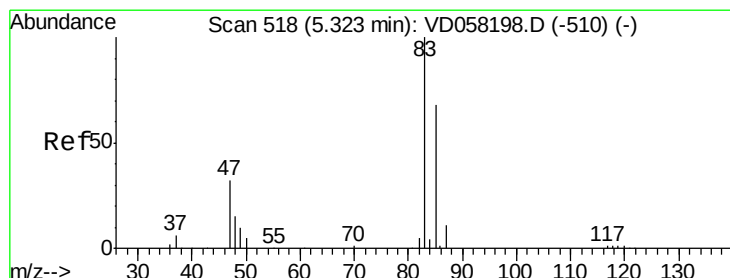
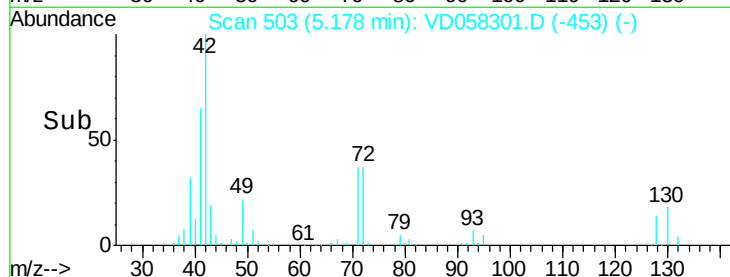
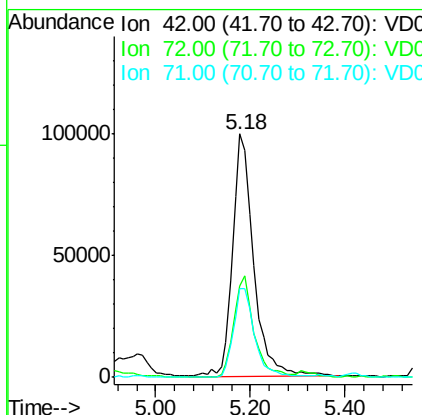
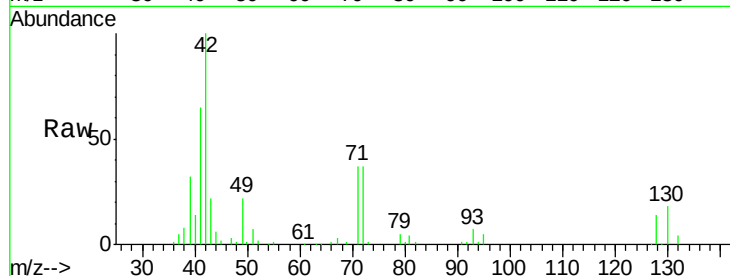




#29
Tetrahydrofuran
Concen: 358.61 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

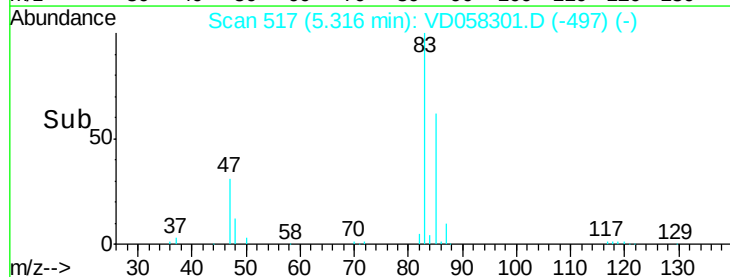
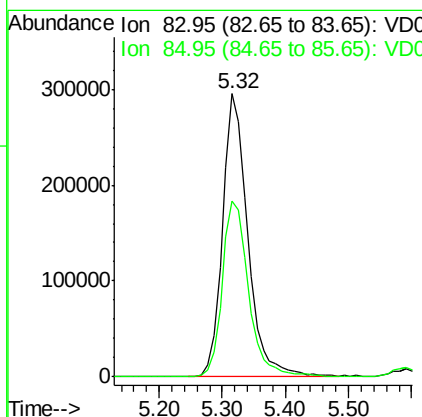
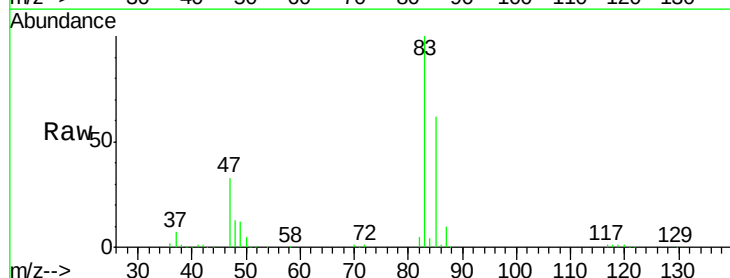
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

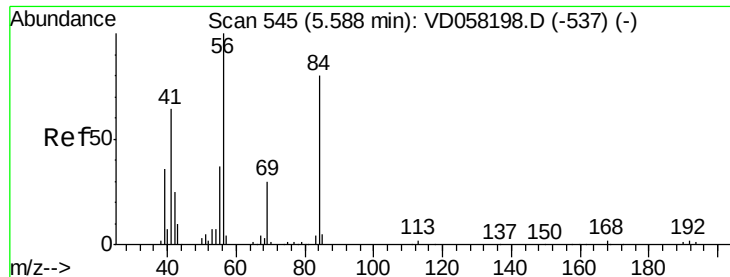
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	30.2	45.2
71	36.3	30.1	45.1



#30
Chloroform
Concen: 84.70 ug/l
RT: 5.32 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	54.8	82.2





#31

Cyclohexane

Concen: 86.66 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

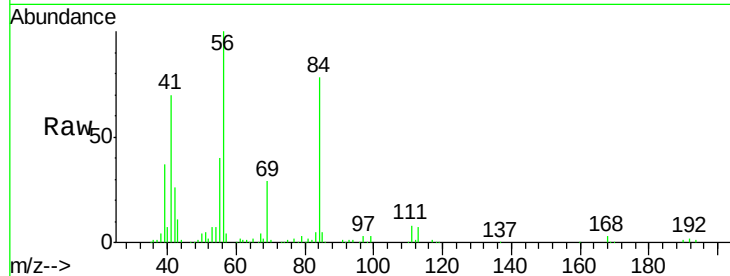
Tot Ion: 56 Resp: 552342

Ion Ratio Lower Upper

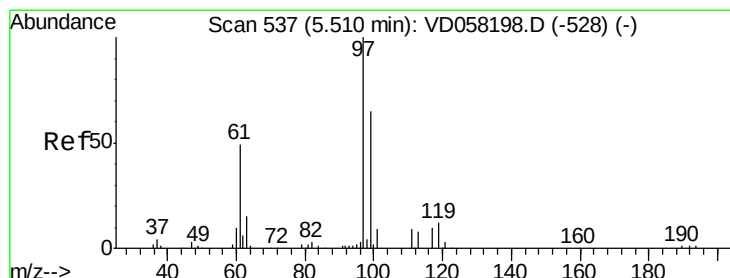
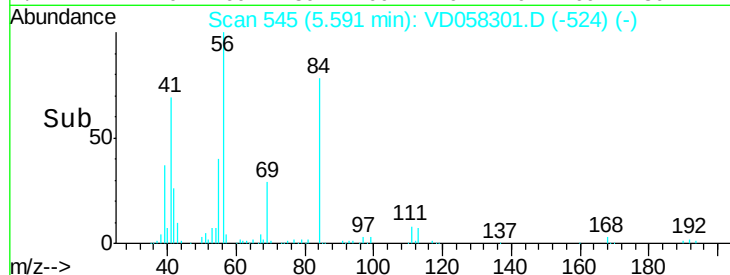
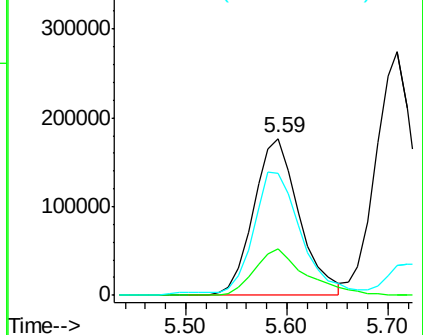
56 100

69 29.4 23.6 35.4

84 77.9 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: 83.18 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

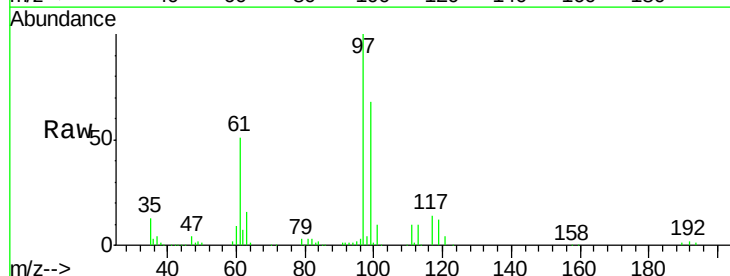
Tgt Ion: 97 Resp: 666441

Ion Ratio Lower Upper

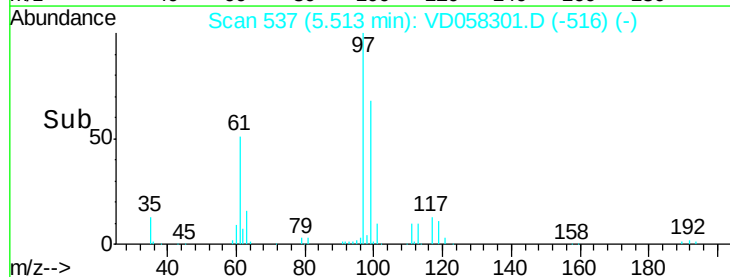
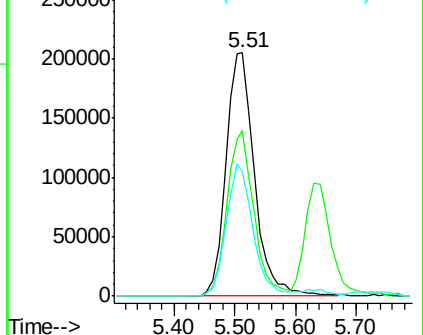
97 100

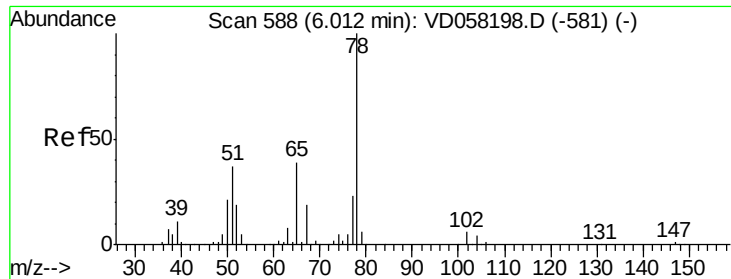
99 67.9 52.2 78.4

61 51.2 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

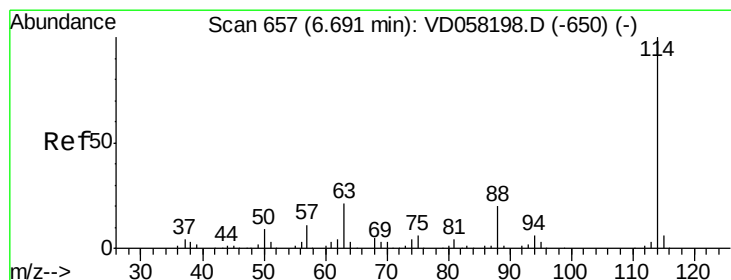
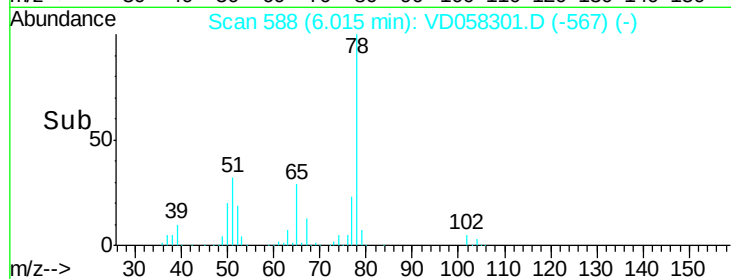
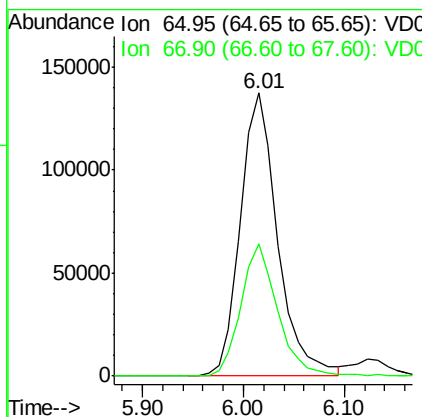
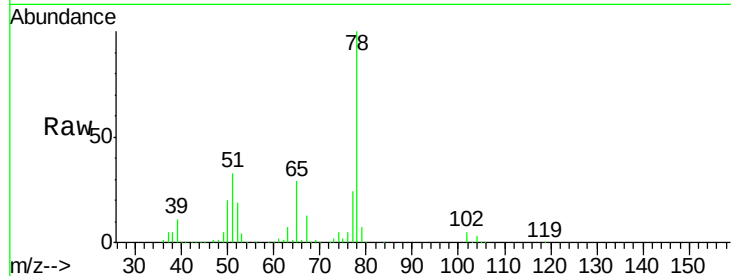




#33
 1,2-Dichloroethane-d4
 Concen: 83.18 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

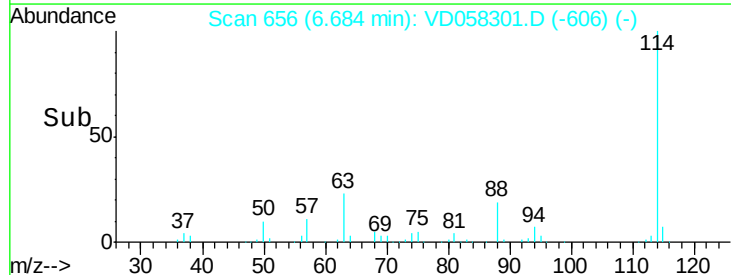
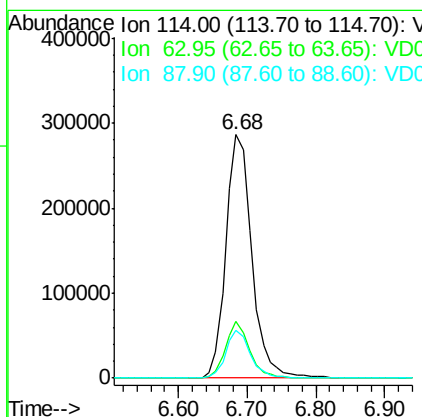
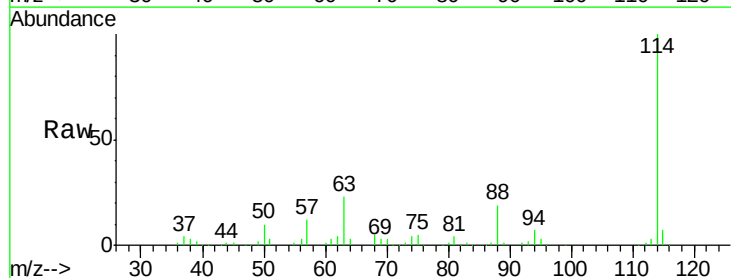
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

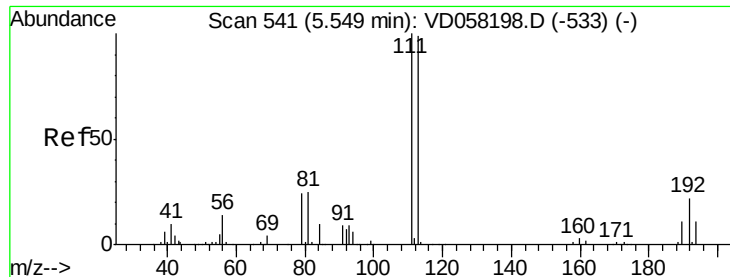
Tot Ion: 65 Resp: 353156
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Tgt Ion: 114 Resp: 746850
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 42.6
 88 19.5 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

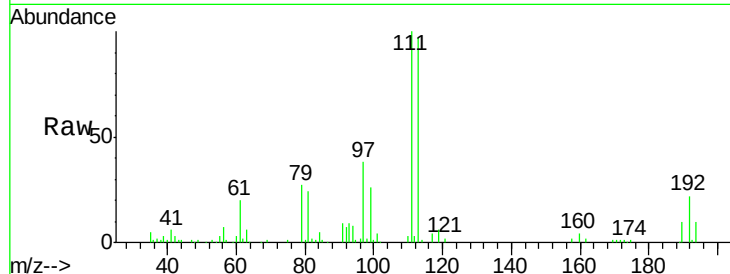
Tot Ion:113 Resp: 369598

Ion Ratio Lower Upper

113 100

111 103.5 80.6 121.0

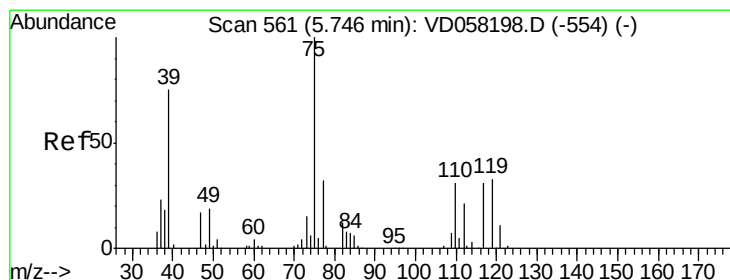
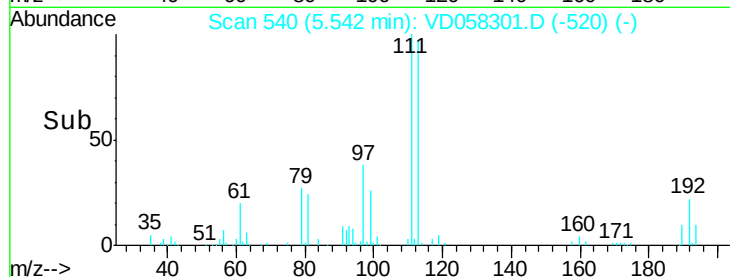
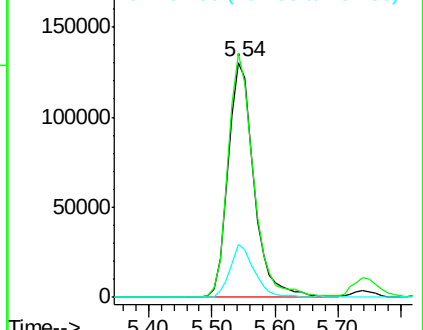
192 22.3 17.8 26.6



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: 73.75 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

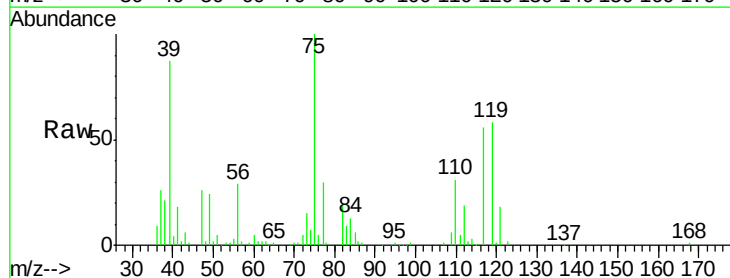
Tgt Ion: 75 Resp: 544881

Ion Ratio Lower Upper

75 100

110 31.1 15.4 46.4

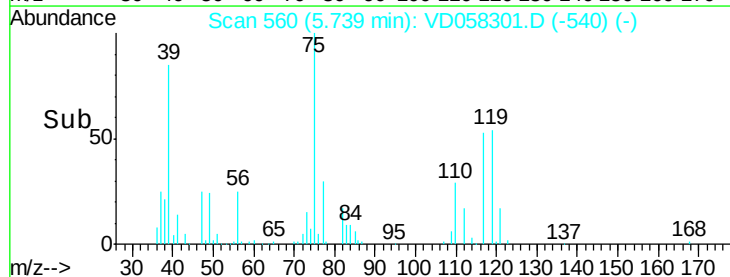
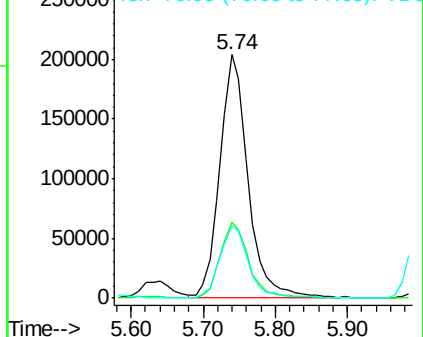
77 29.6 25.4 38.2

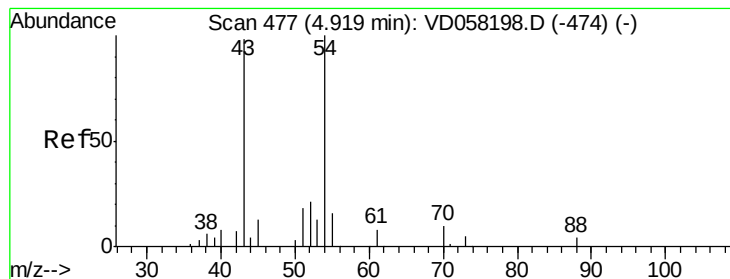


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 71.71 ug/l

RT: 4.92 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

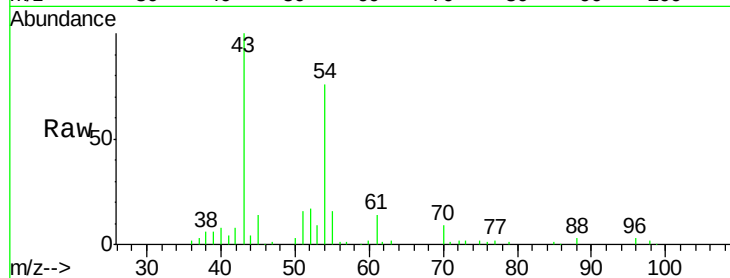
Tot Ion: 43 Resp: 301860

Ion Ratio Lower Upper

43 100

61 13.6 10.3 15.5

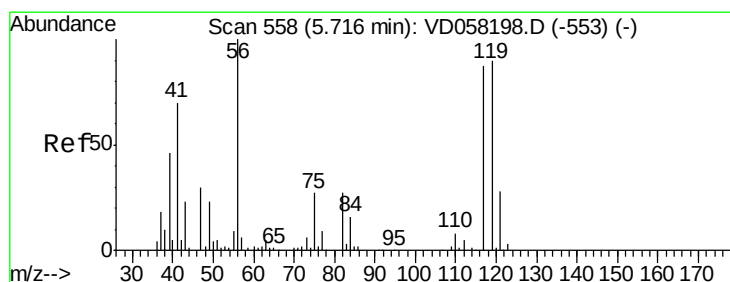
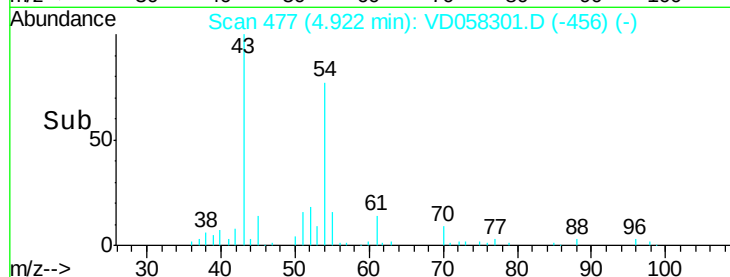
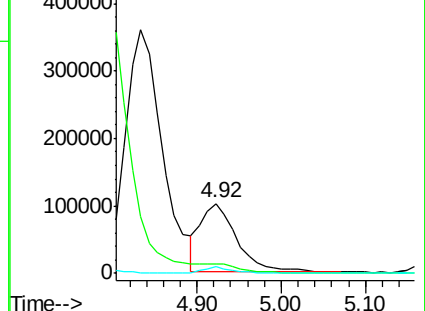
70 9.1 5.7 8.5#



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: 76.82 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

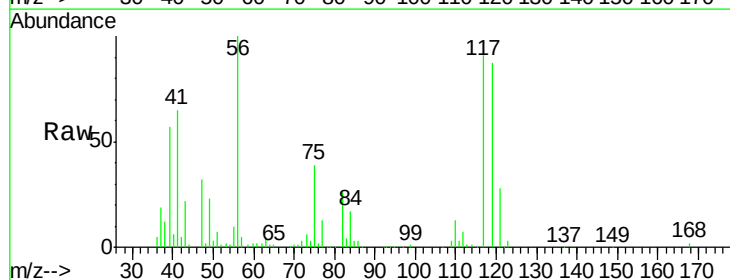
Tgt Ion: 117 Resp: 563928

Ion Ratio Lower Upper

117 100

119 95.7 78.8 118.2

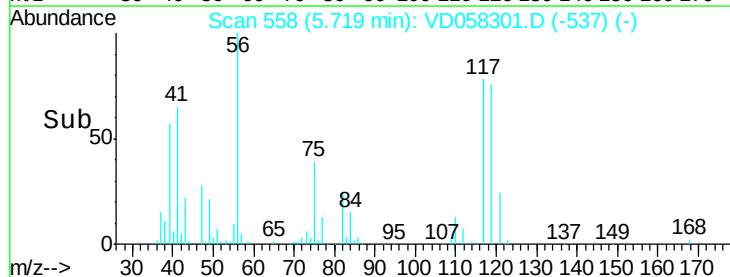
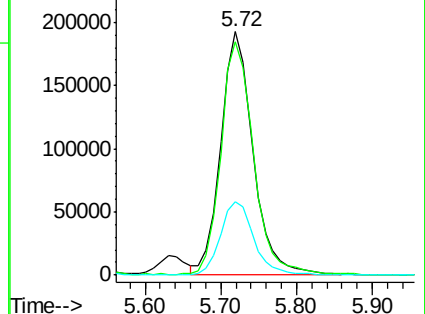
121 30.4 25.0 37.6

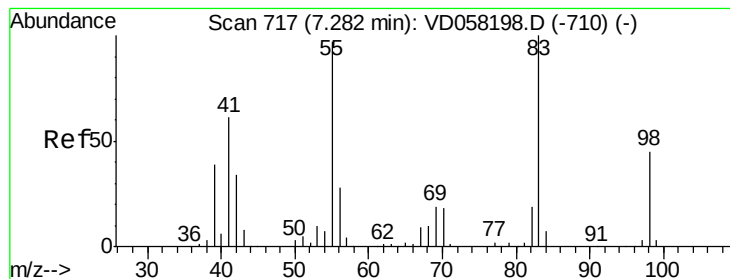


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 70.54 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

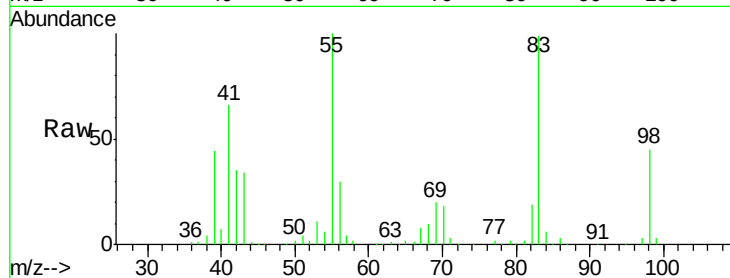
Tot Ion: 83 Resp: 507660

Ion Ratio Lower Upper

83 100

55 100.9 77.4 116.2

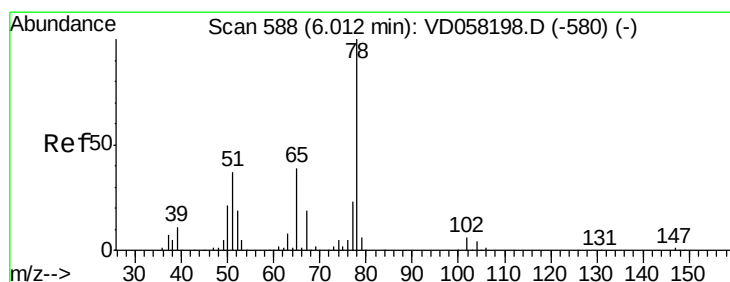
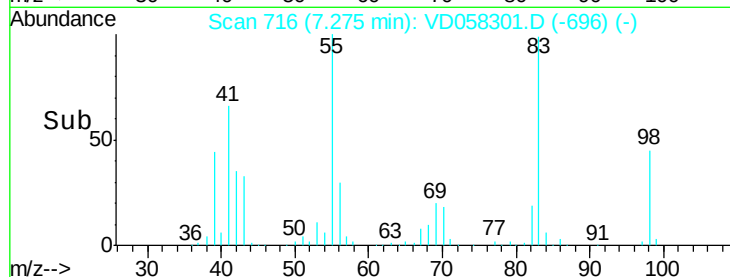
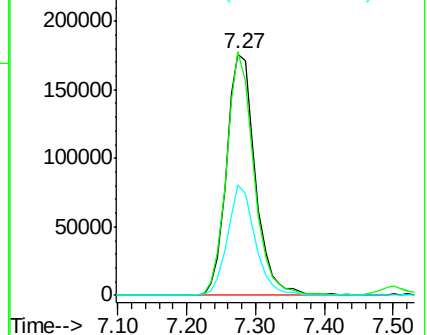
98 45.8 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 76.71 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058301.D

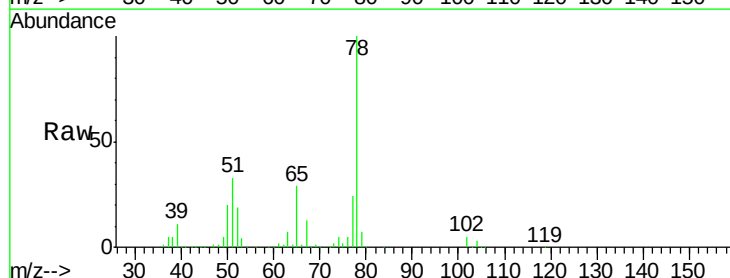
Acq: 22 Jun 2018 17:26

Tgt Ion: 78 Resp: 1350097

Ion Ratio Lower Upper

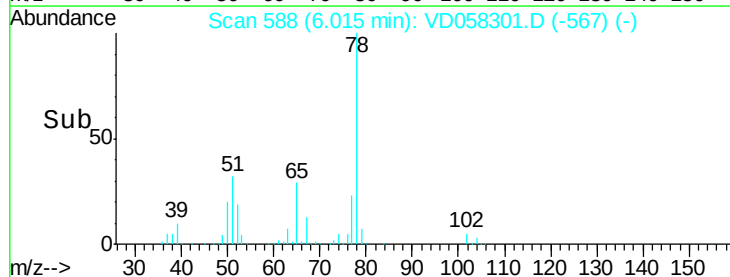
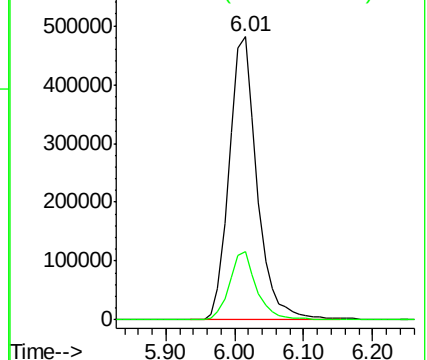
78 100

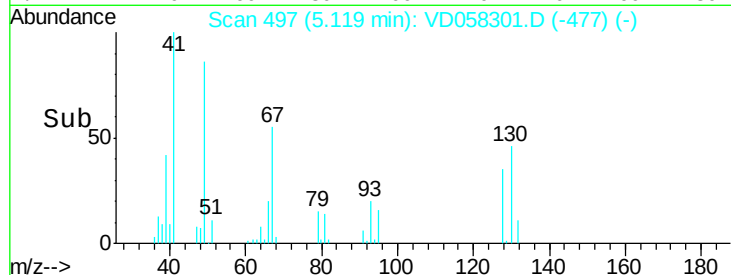
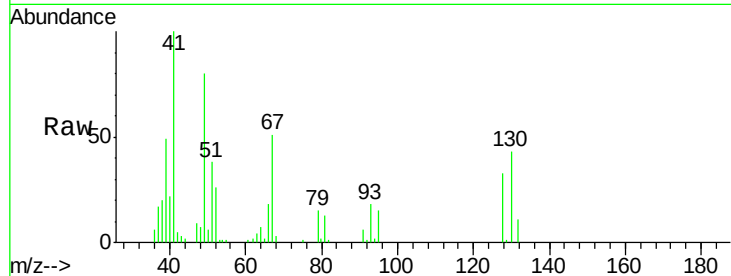
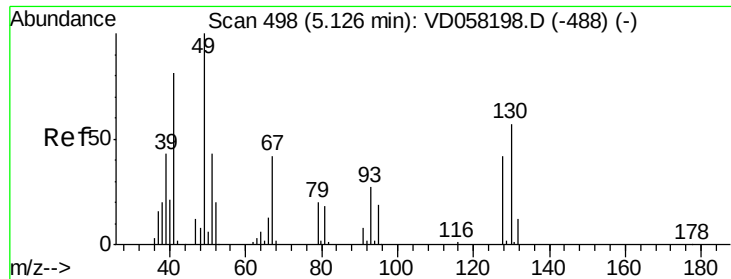
77 24.0 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

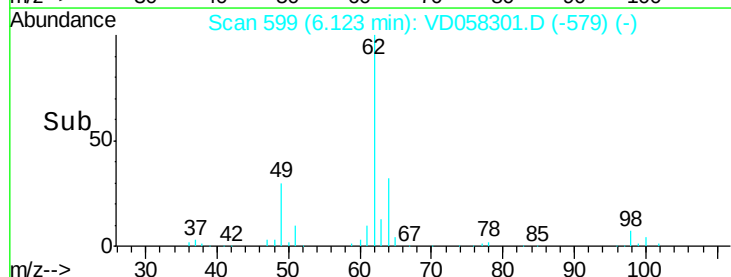
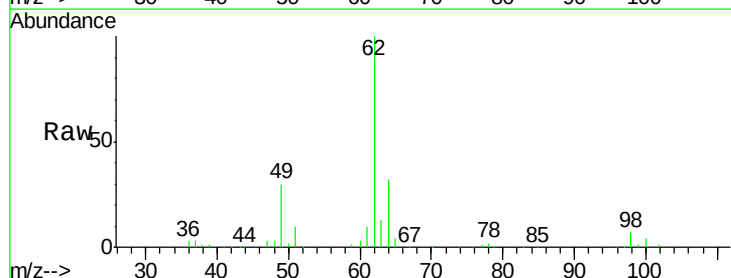
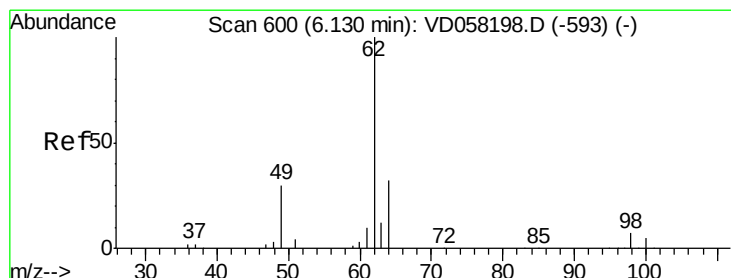
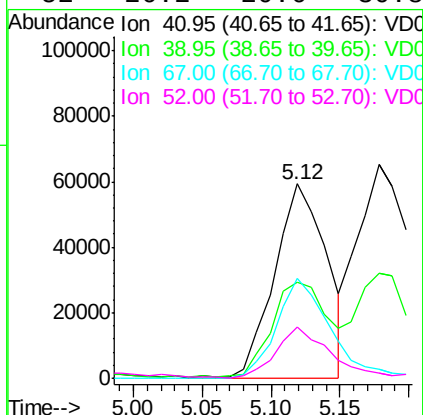




#41
Methacrylonitrile
Concen: 77.01 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

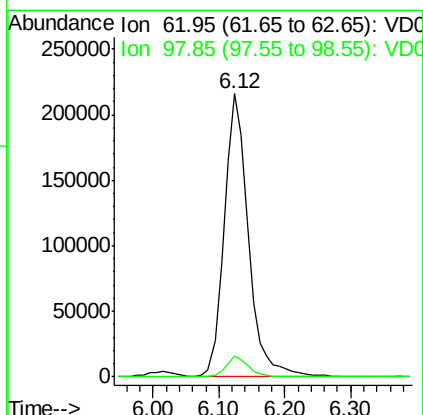
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

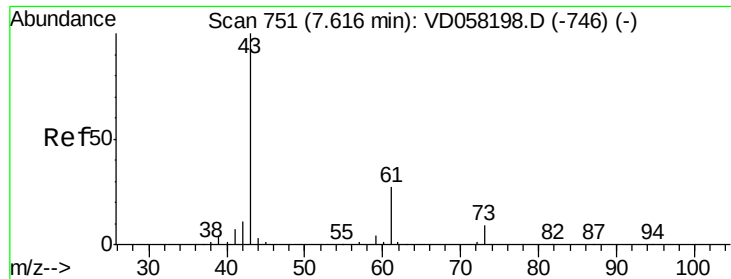
Tot Ion: 41 Resp: 156544
Ion Ratio Lower Upper
41 100
39 49.3 43.4 65.2
67 51.2 41.7 62.5
52 26.2 20.6 30.8



#42
1,2-Dichloroethane
Concen: 78.52 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion: 62 Resp: 557221
Ion Ratio Lower Upper
62 100
98 7.3 0.0 13.2





#43

Isopropyl Acetate

Concen: 67.20 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

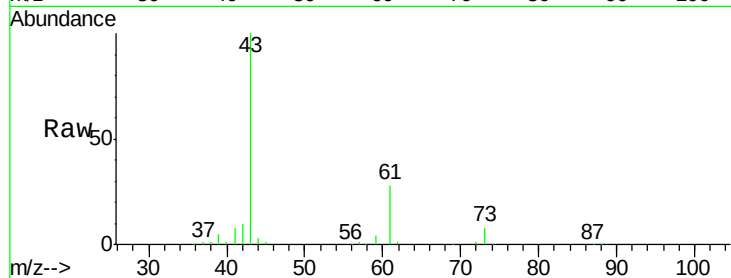
Tot Ion: 43 Resp: 377167

Ion Ratio Lower Upper

43 100

61 27.7 21.8 32.6

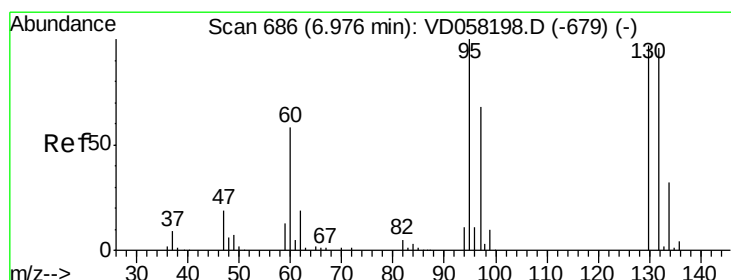
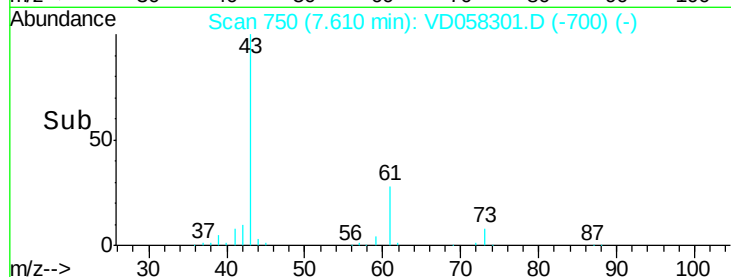
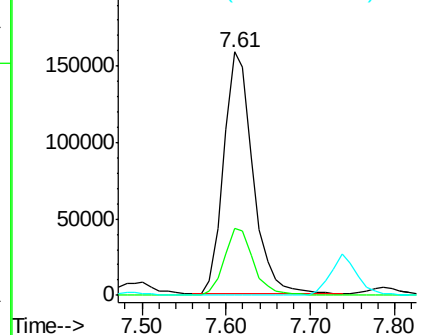
87 0.4 0.3 0.5



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: 78.71 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.00 min

Lab File: VD058301.D

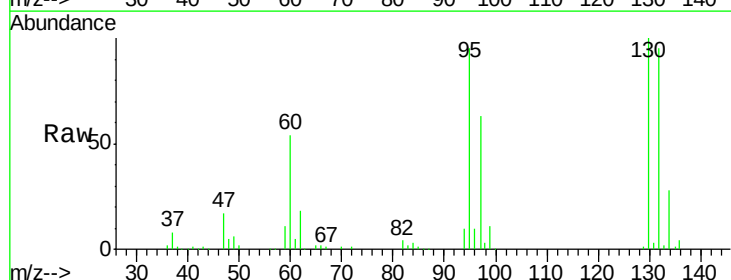
Acq: 22 Jun 2018 17:26

Tgt Ion:130 Resp: 415948

Ion Ratio Lower Upper

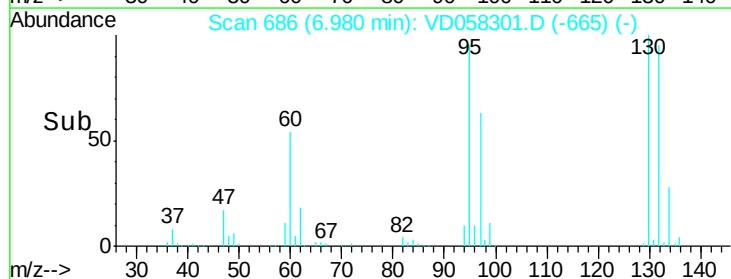
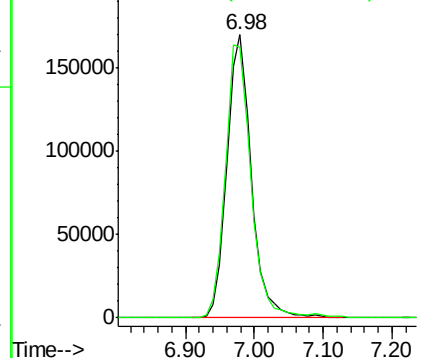
130 100

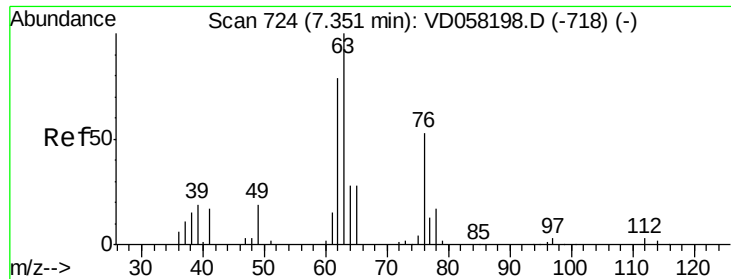
95 95.5 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

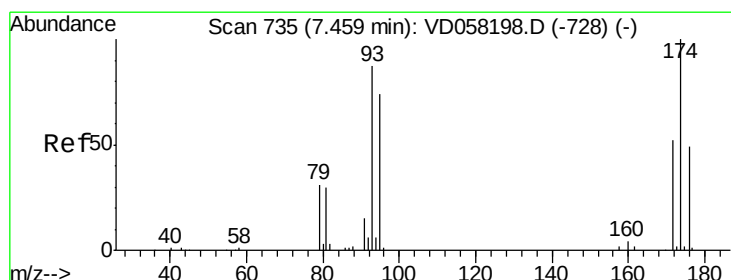
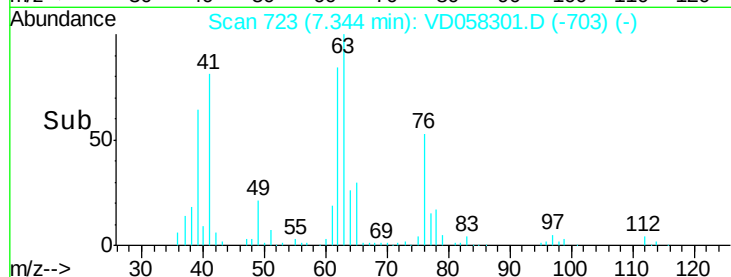
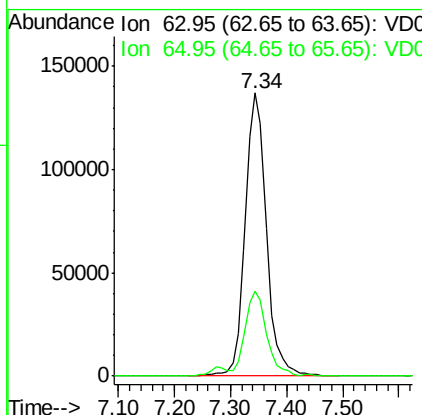
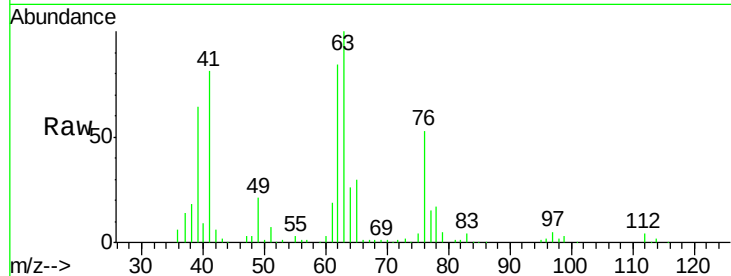




#45
1,2-Dichloropropane
Concen: 76.00 ug/l
RT: 7.34 min Scan# 723
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

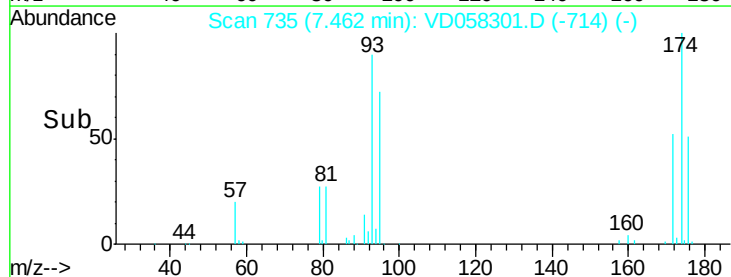
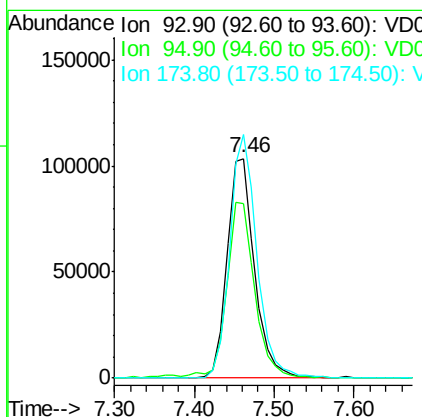
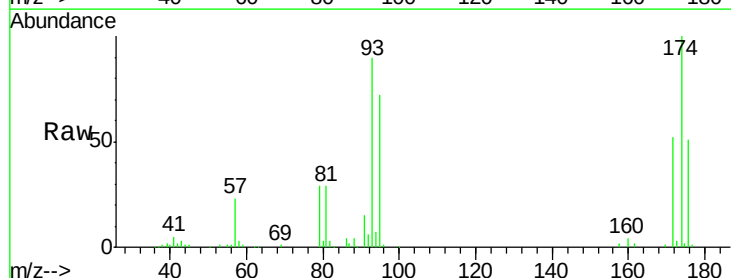
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

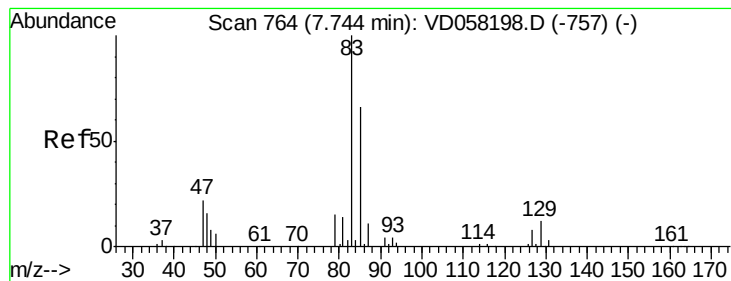
Tot Ion: 63 Resp: 360236
Ion Ratio Lower Upper
63 100
65 29.8 24.0 36.0



#46
Dibromomethane
Concen: 77.29 ug/l
RT: 7.46 min Scan# 735
Delta R.T. 0.00 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion: 93 Resp: 250091
Ion Ratio Lower Upper
93 100
95 79.3 67.8 101.6
174 110.8 92.2 138.2





#47

Bromodichloromethane

Concen: 77.75 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

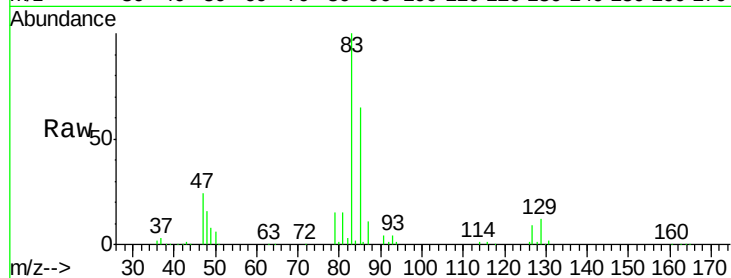
Tot Ion: 83 Resp: 573663

Ion Ratio Lower Upper

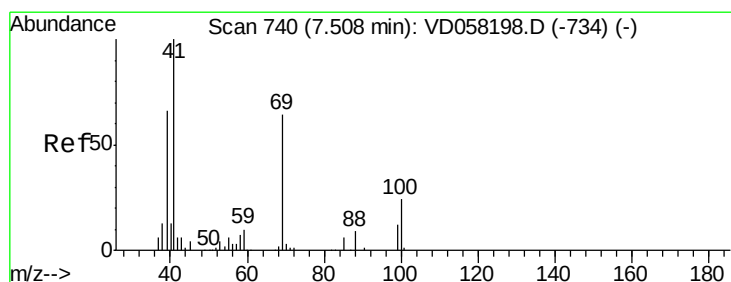
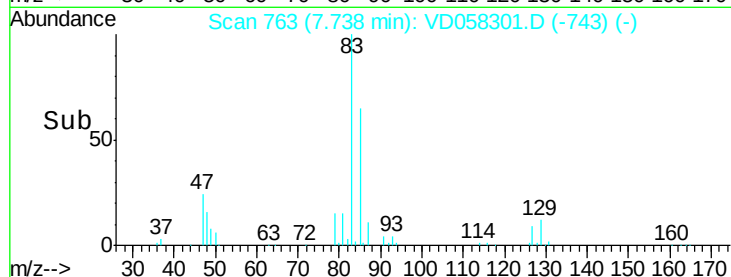
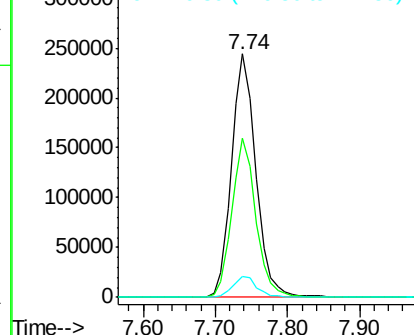
83 100

85 65.5 52.6 78.8

127 8.6 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: 70.01 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

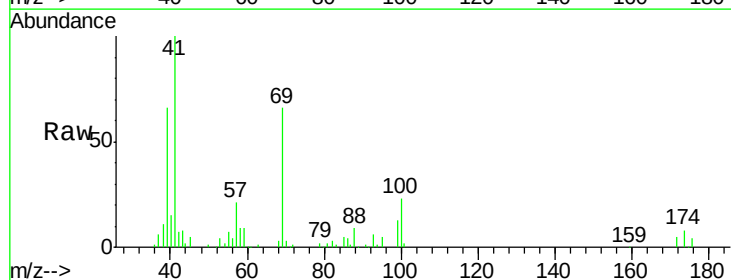
Tgt Ion: 41 Resp: 238818

Ion Ratio Lower Upper

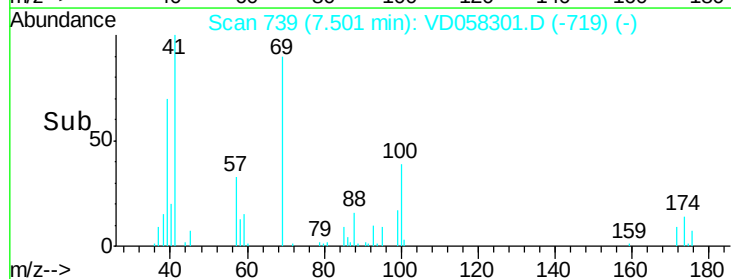
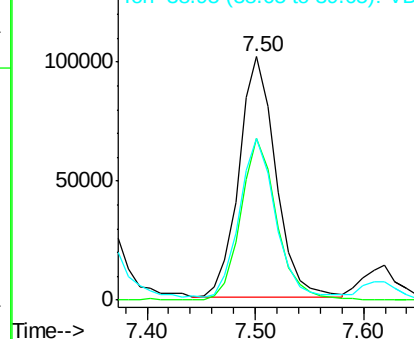
41 100

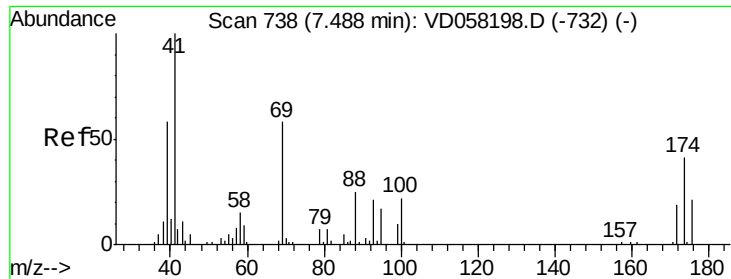
69 66.3 50.7 76.1

39 66.5 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: 1450.90 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

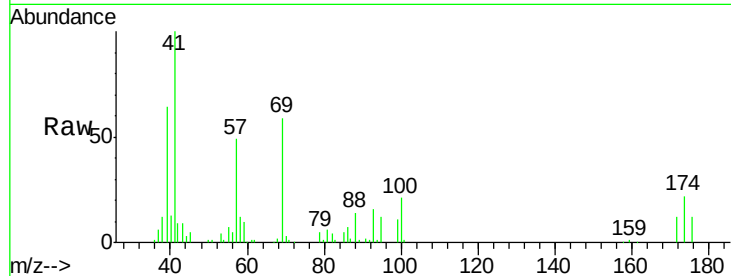
Tot Ion: 88 Resp: 44673

Ion Ratio Lower Upper

88 100

43 61.4 34.2 51.2#

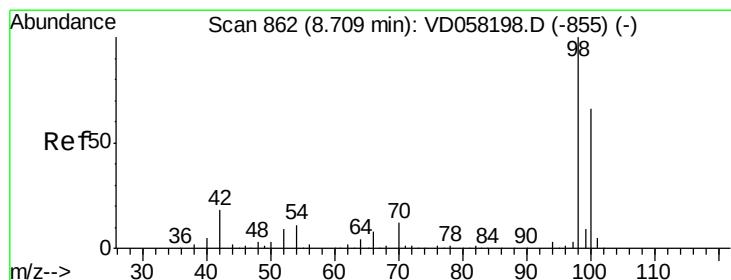
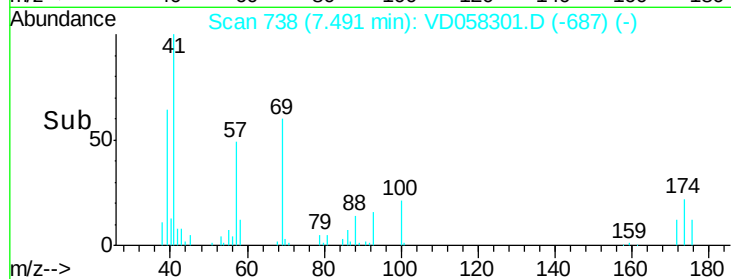
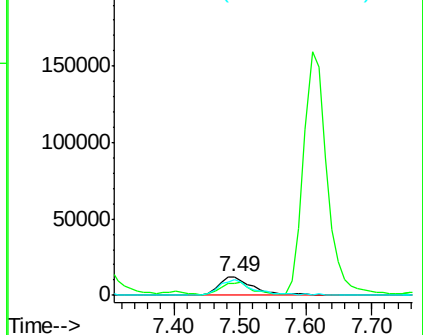
58 83.6 47.9 71.9#



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: 1450.90 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058301.D

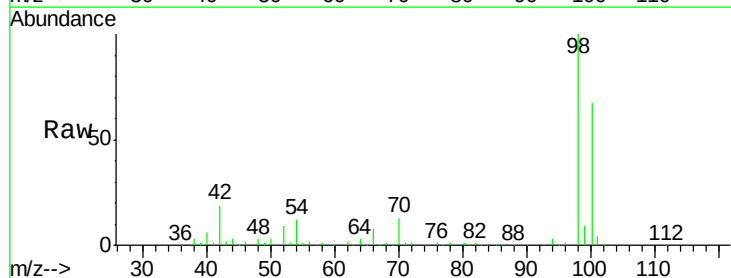
Acq: 22 Jun 2018 17:26

Tgt Ion: 98 Resp: 814986

Ion Ratio Lower Upper

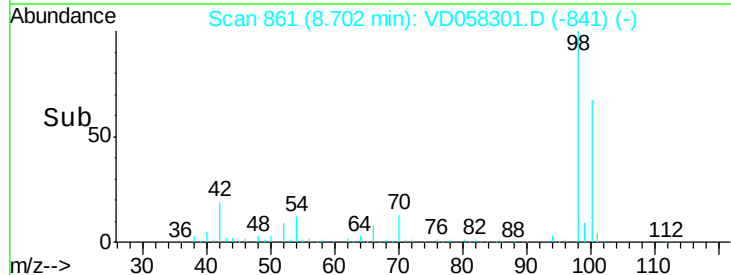
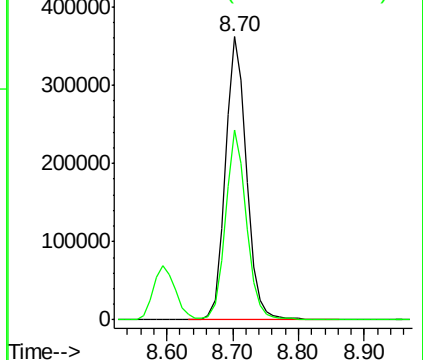
98 100

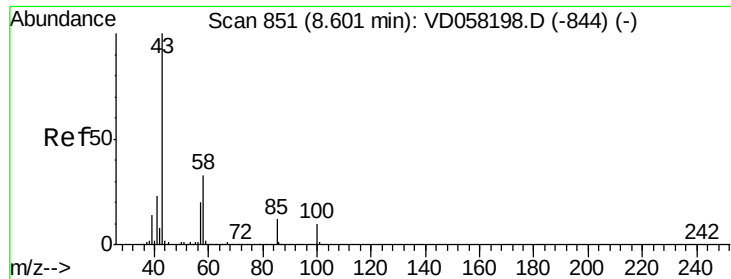
100 67.3 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 489.81 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

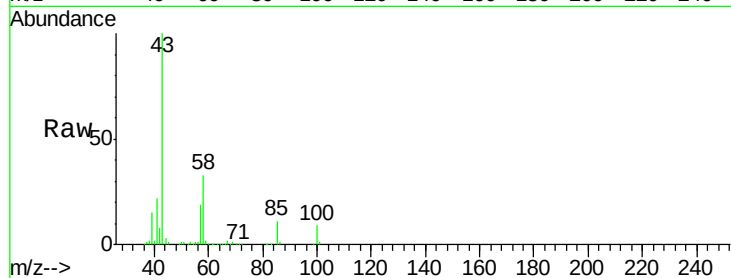
WP021SB472-13-15-180618MSD

Tot Ion: 43 Resp: 1793055

Ion Ratio Lower Upper

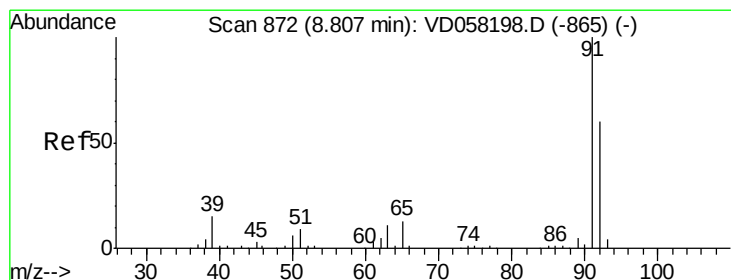
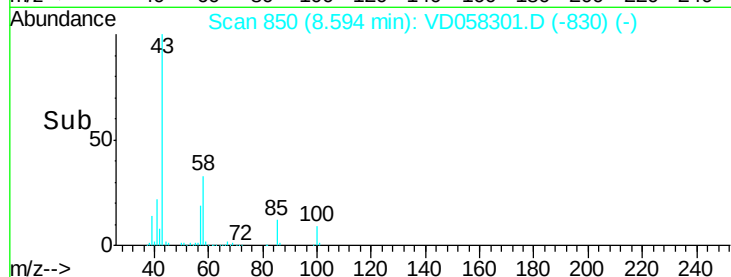
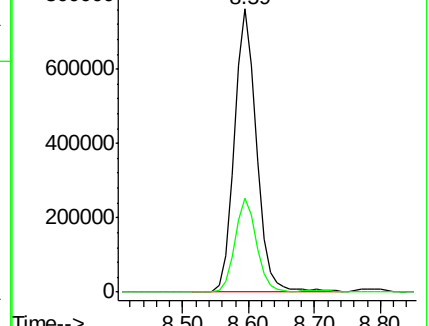
43 100

58 33.2 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: 83.18 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058301.D

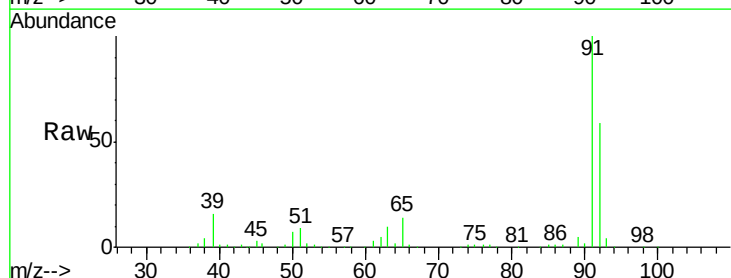
Acq: 22 Jun 2018 17:26

Tgt Ion: 92 Resp: 833578

Ion Ratio Lower Upper

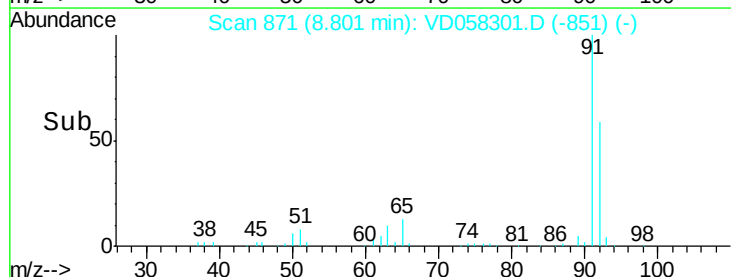
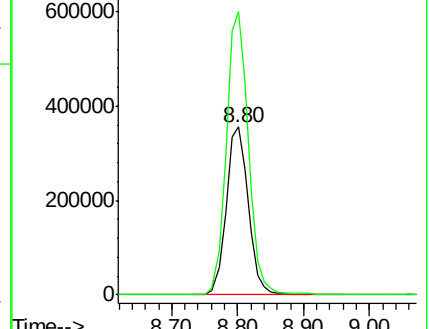
92 100

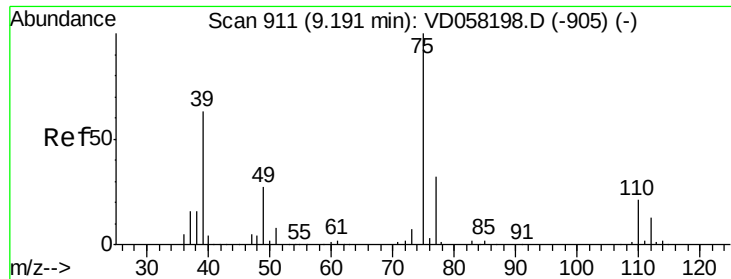
91 168.4 133.2 199.8



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: 76.68 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

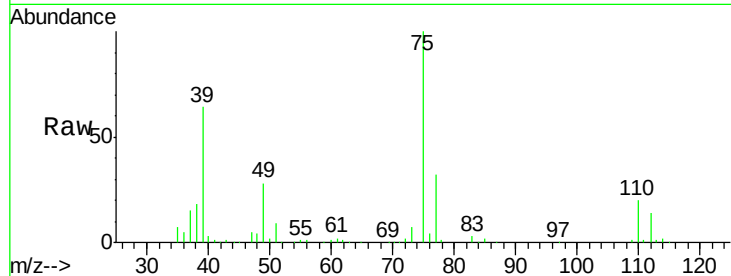
WP021SB472-13-15-180618MSD

Tot Ion: 75 Resp: 491903

Ion Ratio Lower Upper

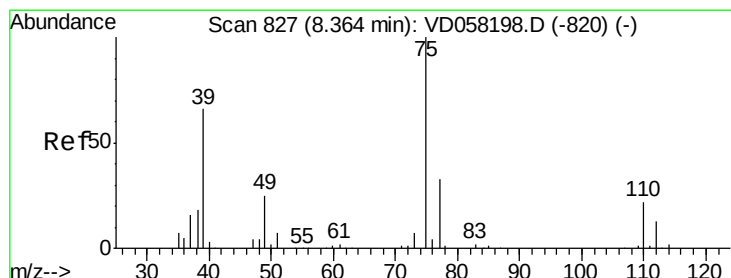
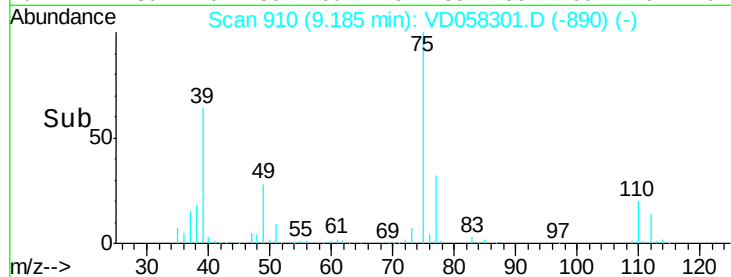
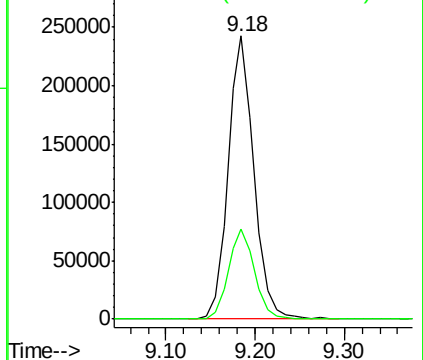
75 100

77 31.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 77.77 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

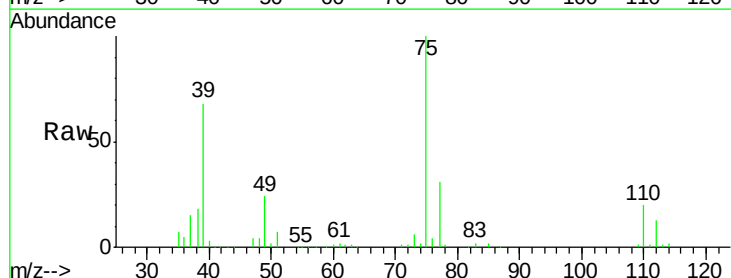
Tgt Ion: 75 Resp: 584903

Ion Ratio Lower Upper

75 100

77 30.8 26.5 39.7

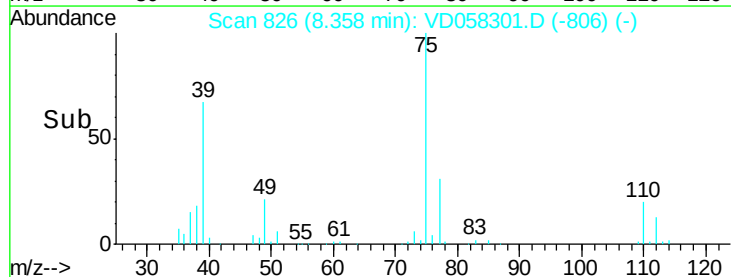
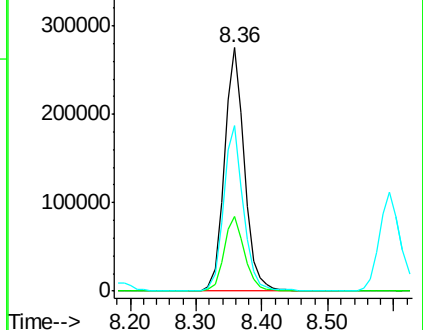
39 68.1 52.9 79.3

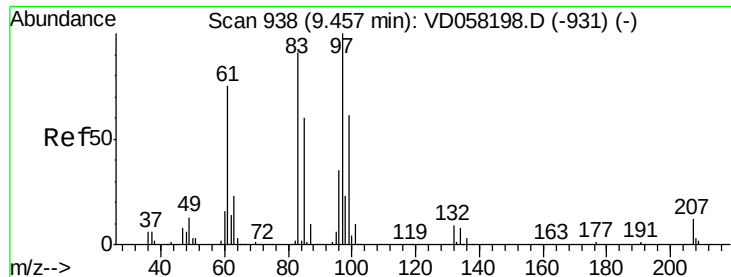


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

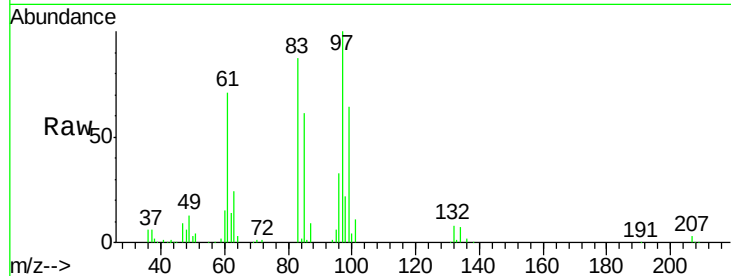




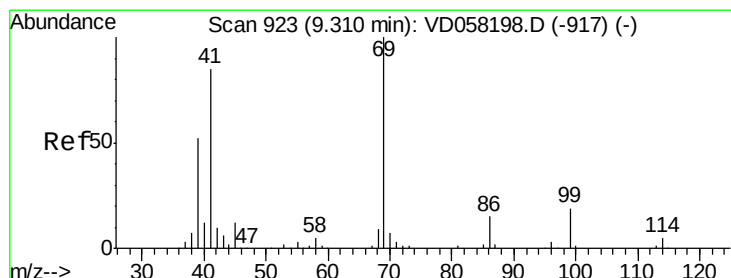
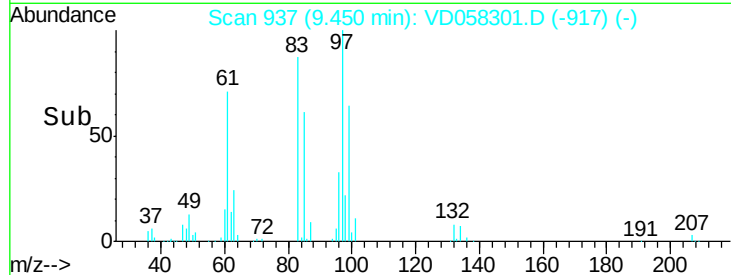
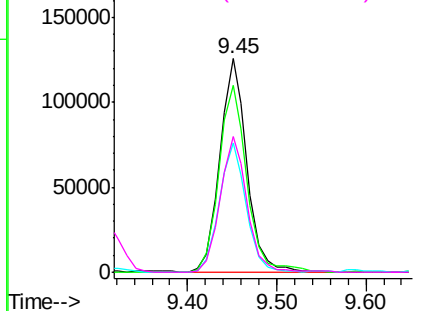
#55
 1,1,2-Trichloroethane
 Concen: 75.48 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion:	97	Resp:	267632
Ion	Ratio	Lower	Upper
97	100		
83	87.2	72.9	109.3
85	60.6	48.2	72.4
99	63.8	48.9	73.3

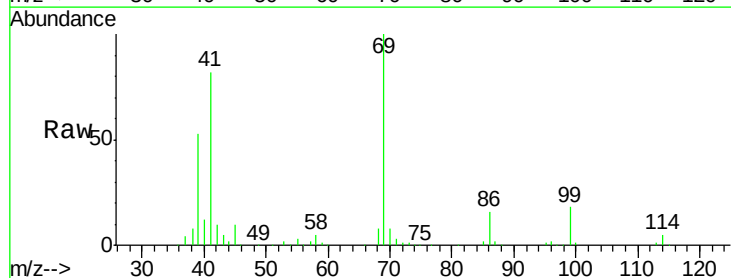


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

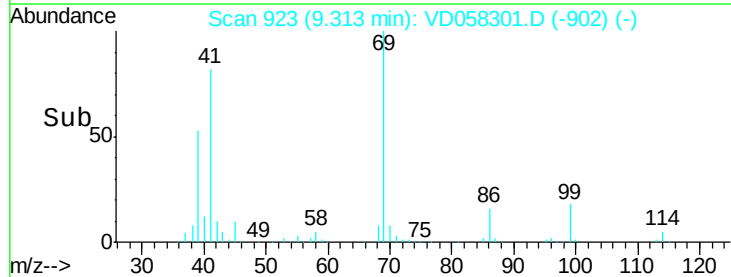
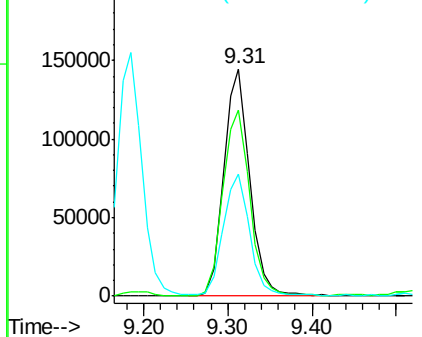


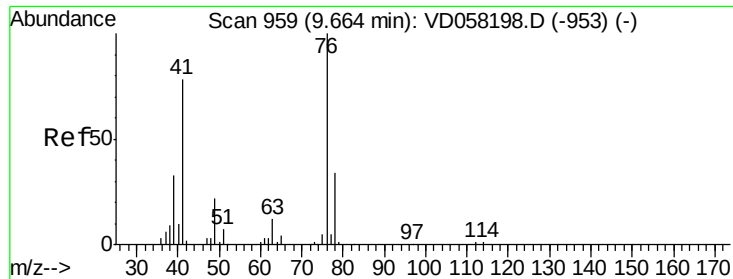
#56
 Ethyl methacrylate
 Concen: 72.44 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Tgt Ion:	69	Resp:	307180
Ion	Ratio	Lower	Upper
69	100		
41	82.0	67.6	101.4
39	53.5	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: 71.75 ug/l

RT: 9.67 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

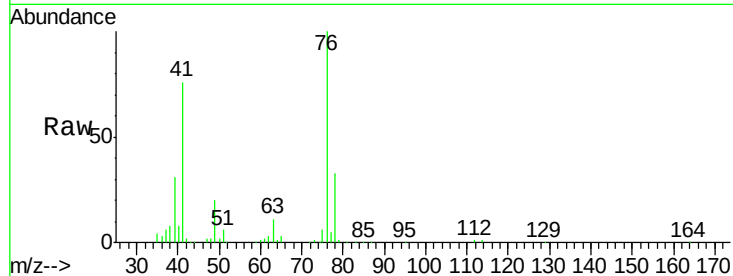
WP021SB472-13-15-180618MSD

Tot Ion: 76 Resp: 428499

Ion Ratio Lower Upper

76 100

78 32.5 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

200000

150000

100000

50000

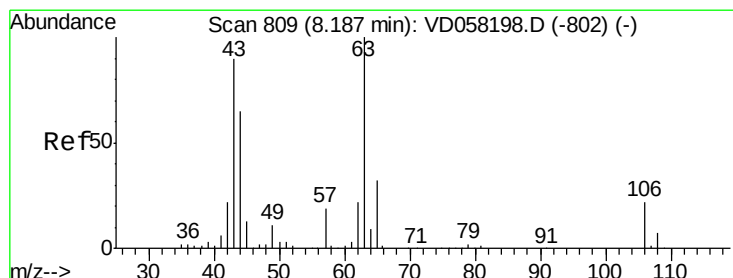
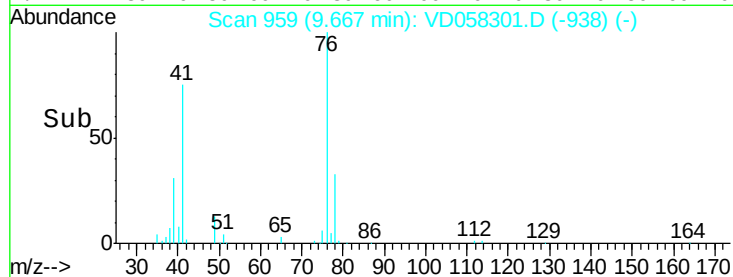
0

9.60

9.70

9.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 365.08 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058301.D

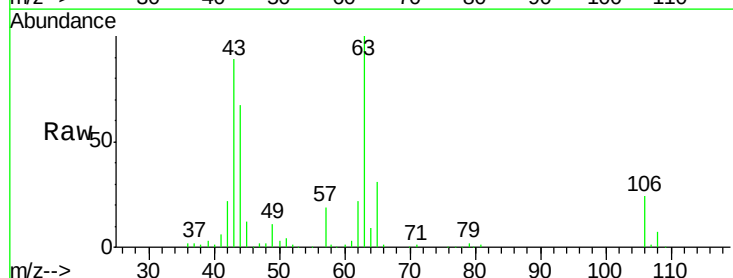
Acq: 22 Jun 2018 17:26

Tgt Ion: 63 Resp: 766367

Ion Ratio Lower Upper

63 100

106 23.8 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.19

300000

200000

100000

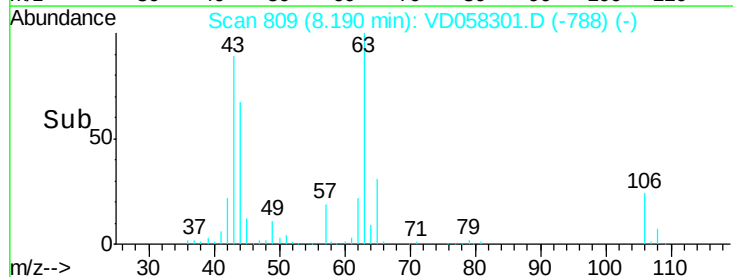
0

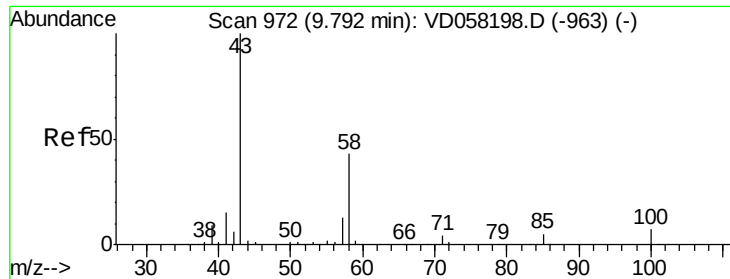
8.10

8.20

8.30

Time-->

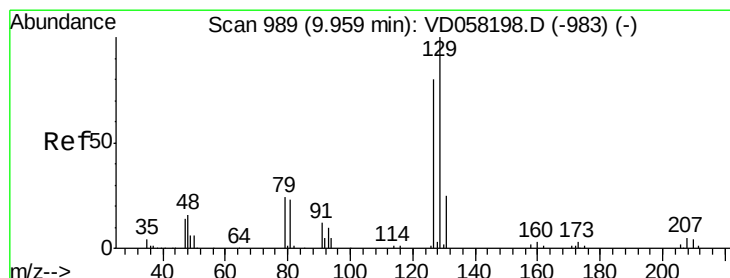
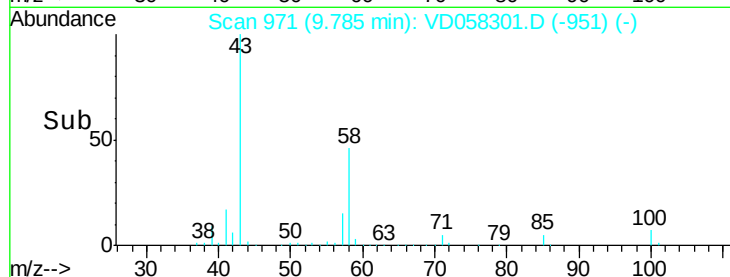
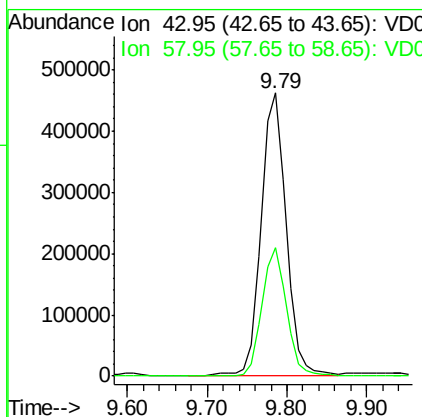
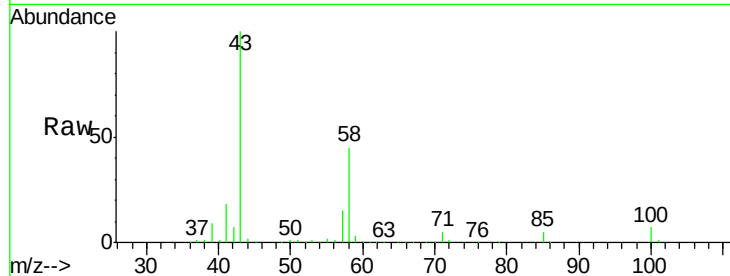




#59
2-Hexanone
Concen: 378.83 ug/l
RT: 9.79 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

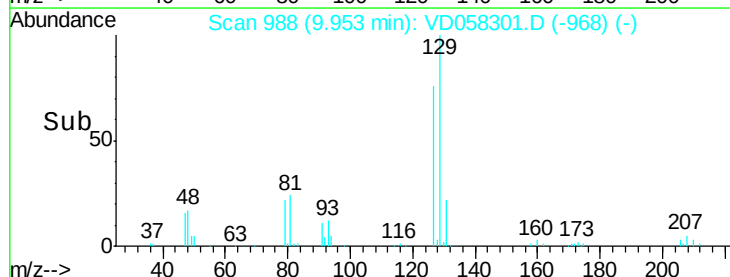
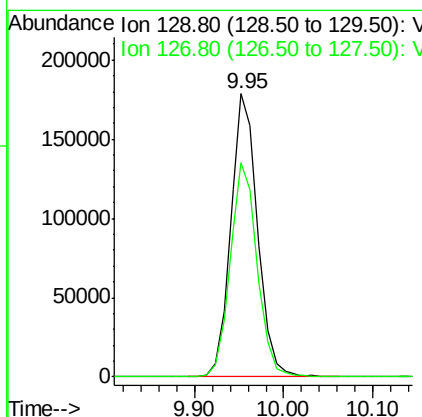
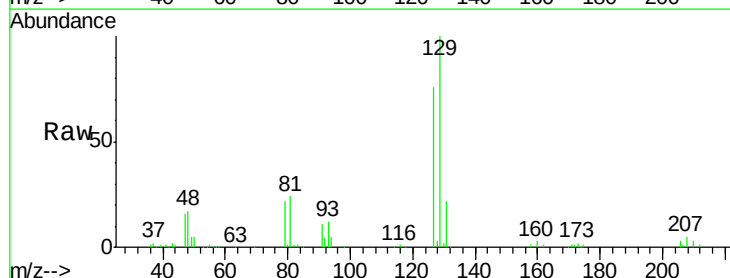
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

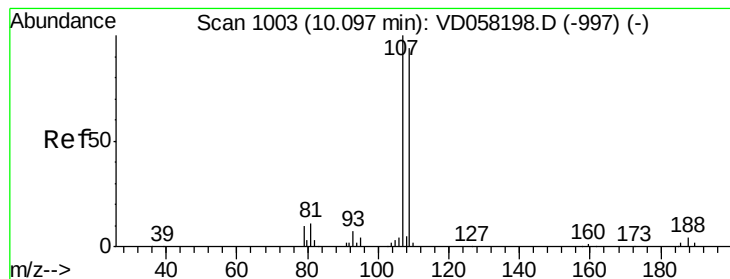
Tot Ion: 43 Resp: 1002071
Ion Ratio Lower Upper
43 100
58 45.3 21.7 65.1



#60
Dibromochloromethane
Concen: 77.96 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion: 129 Resp: 375152
Ion Ratio Lower Upper
129 100
127 75.8 39.8 119.4





#61

1,2-Dibromoethane

Concen: 71.76 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

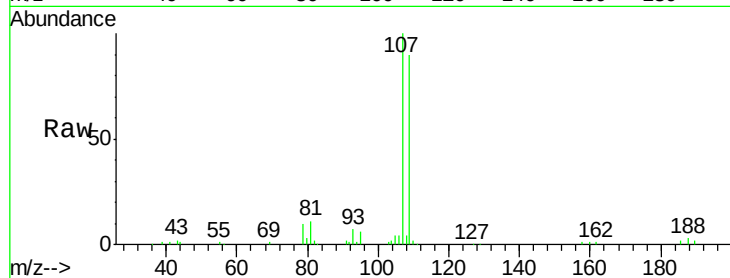
WP021SB472-13-15-180618MSD

Tot Ion: 107 Resp: 278467

Ion Ratio Lower Upper

107 100

109 90.0 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

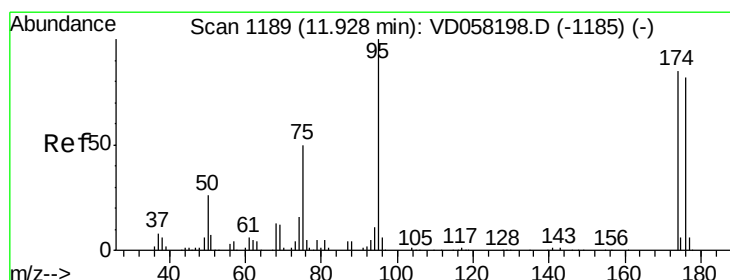
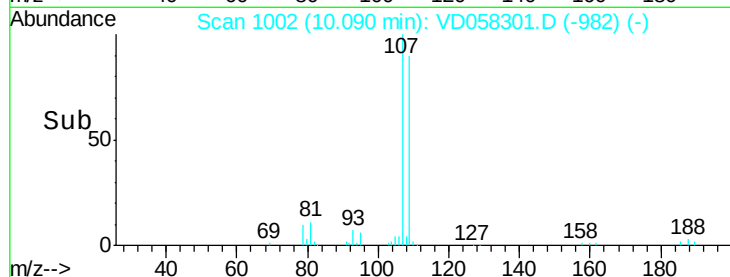
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 71.76 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

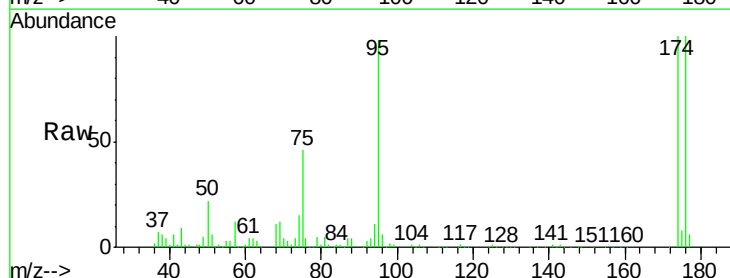
Tgt Ion: 95 Resp: 373375

Ion Ratio Lower Upper

95 100

174 101.6 0.0 170.2

176 101.1 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

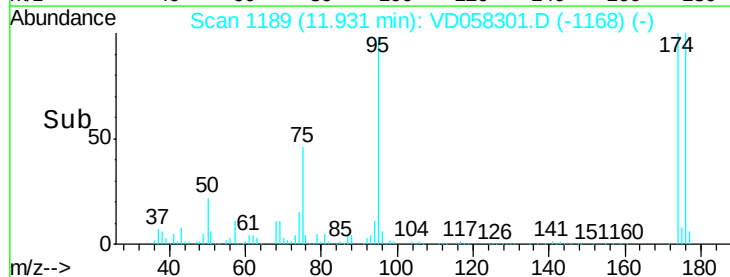
300000

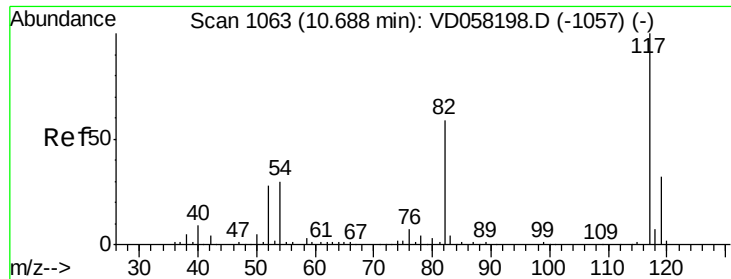
200000

100000

0

Time-->

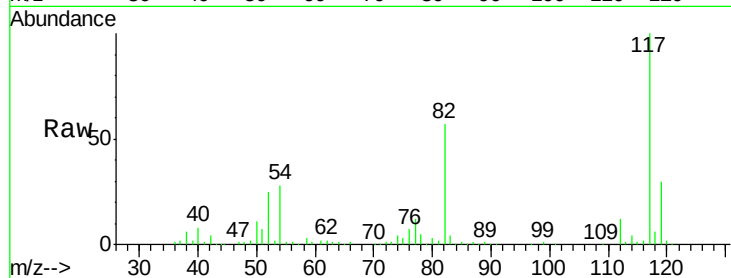




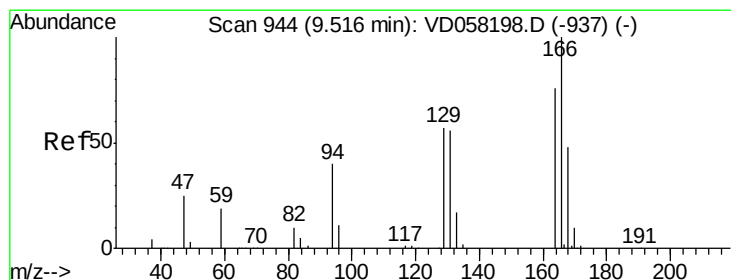
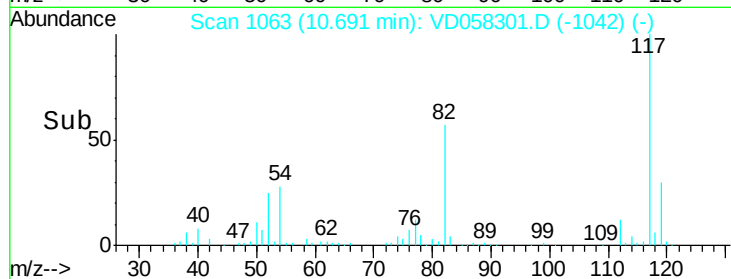
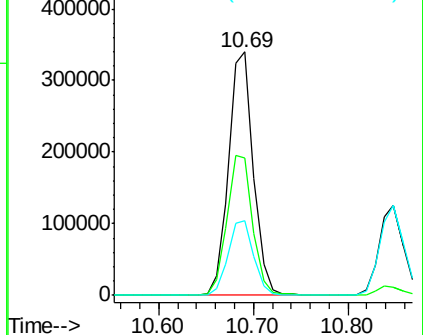
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion:117 Resp: 616438
Ion Ratio Lower Upper
117 100
82 56.7 47.0 70.6
119 30.4 25.3 37.9

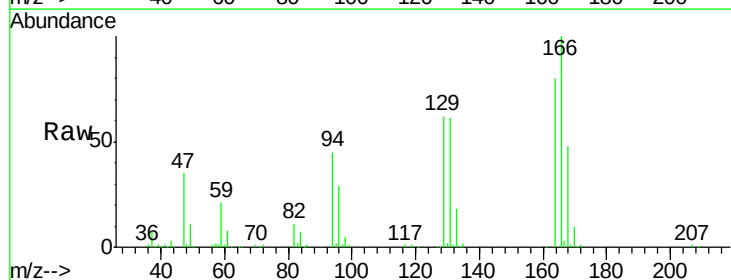


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

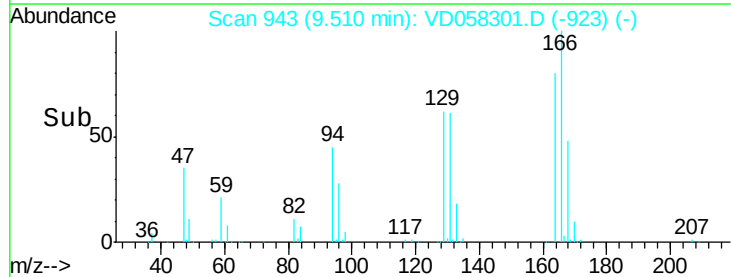
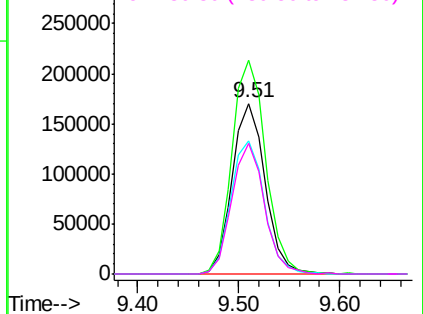


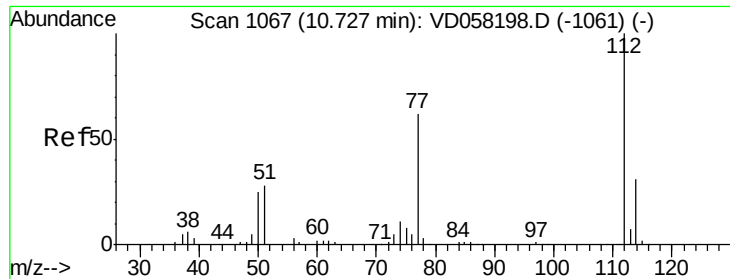
#64
Tetrachloroethene
Concen: 74.32 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion:164 Resp: 385486
Ion Ratio Lower Upper
164 100
166 125.3 105.4 158.0
129 77.8 59.6 89.4
131 76.6 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

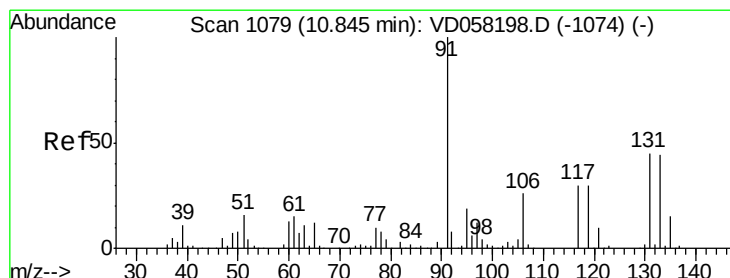
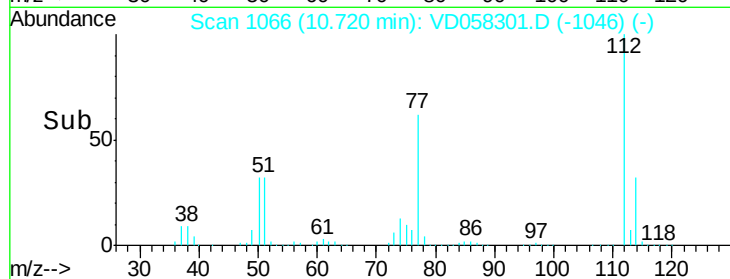
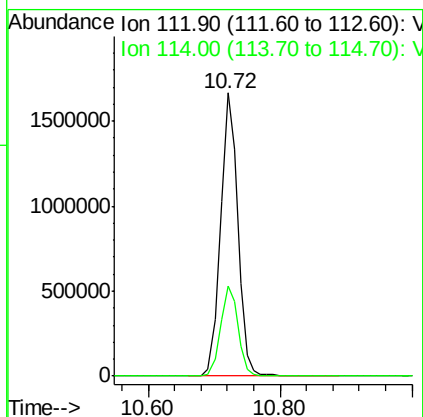
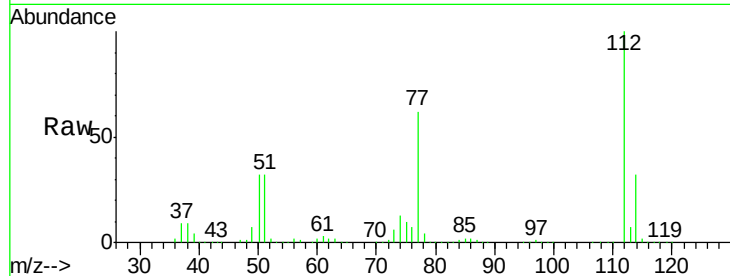




#65
Chlorobenzene
Concen: 264.28 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

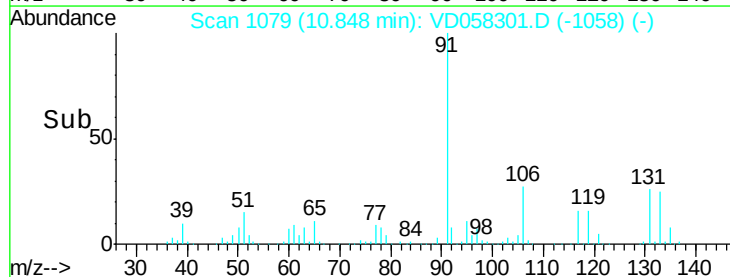
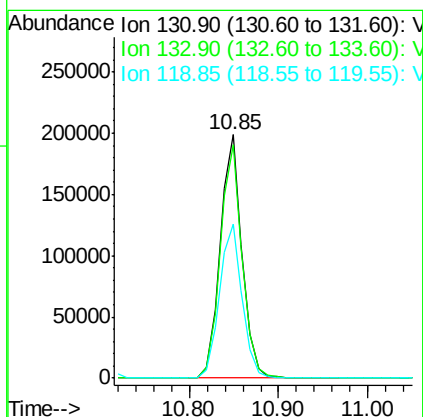
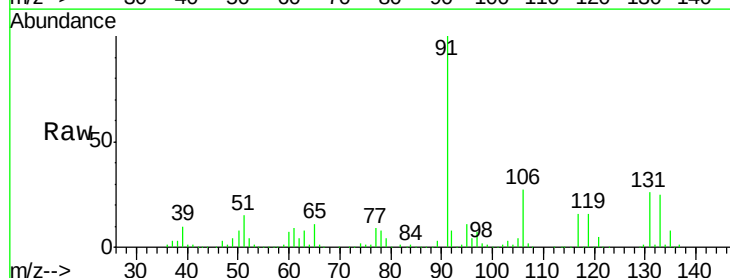
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

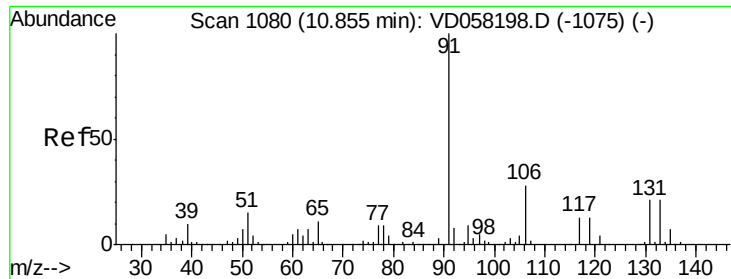
Tot Ion:112 Resp: 3047316
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 76.67 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion:131 Resp: 341167
Ion Ratio Lower Upper
131 100
133 95.7 48.6 145.9
119 63.0 33.0 99.0

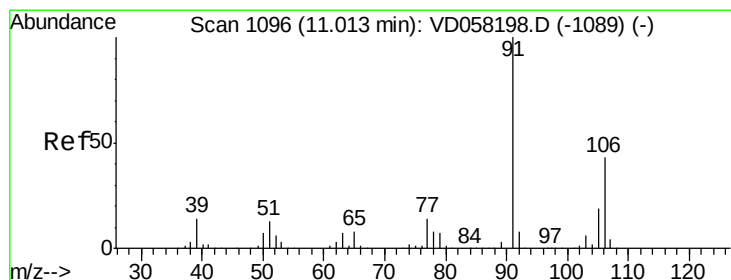
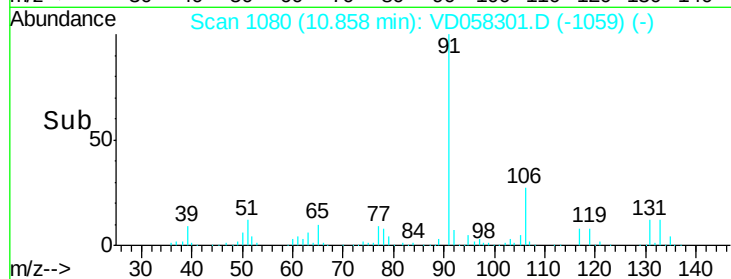
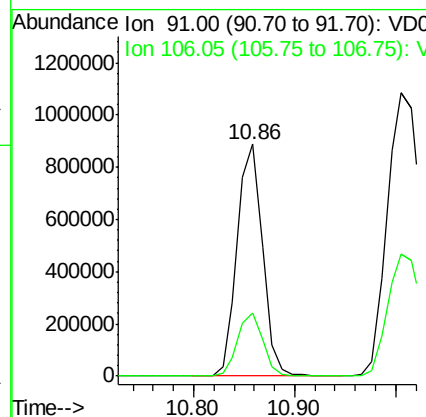
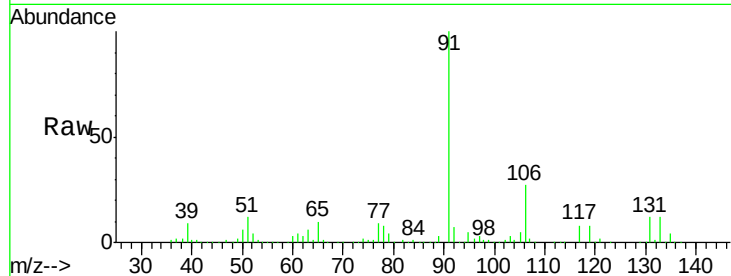




#67
Ethyl Benzene
Concen: 76.36 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

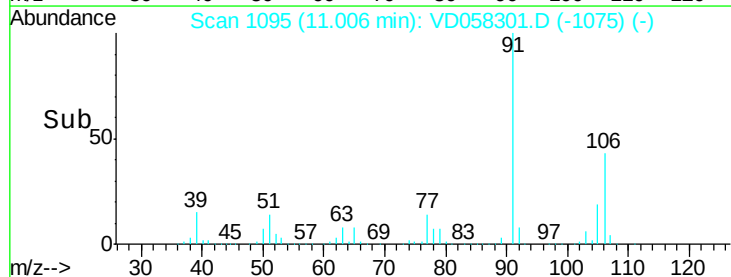
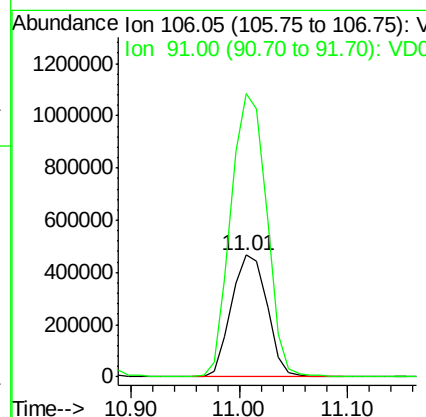
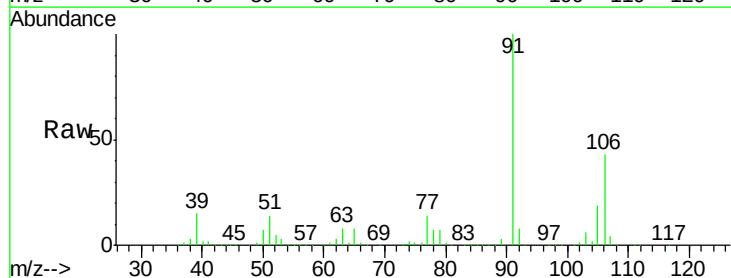
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

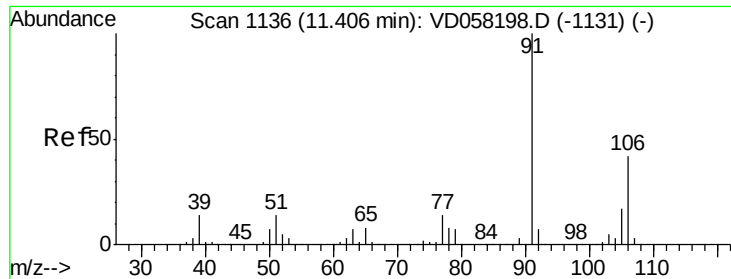
Tot Ion: 91 Resp: 1554392
Ion Ratio Lower Upper
91 100
106 27.1 22.0 33.0



#68
m/p-Xylenes
Concen: 158.43 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion: 106 Resp: 1075493
Ion Ratio Lower Upper
106 100
91 232.0 185.0 277.6

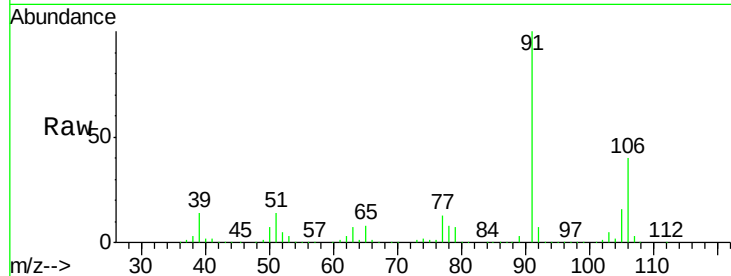




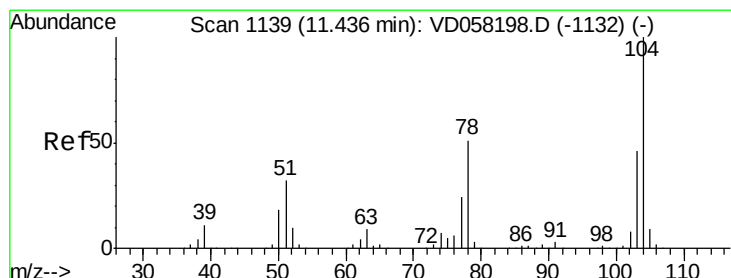
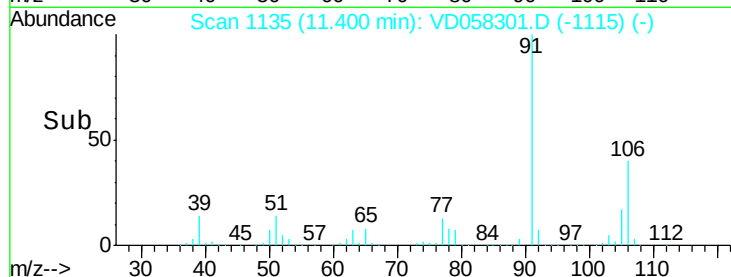
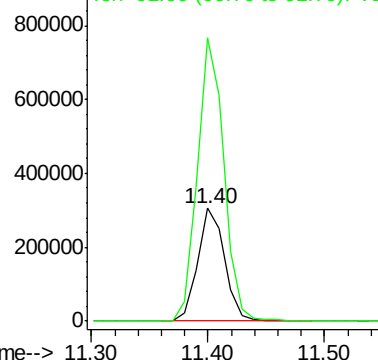
#69
o-Xylene
Concen: 75.09 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion:106 Resp: 486857
Ion Ratio Lower Upper
106 100
91 251.1 120.2 360.6

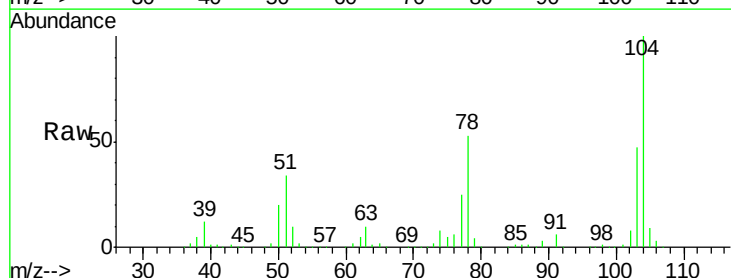


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

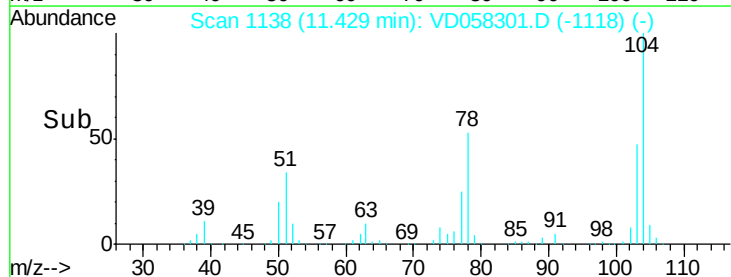
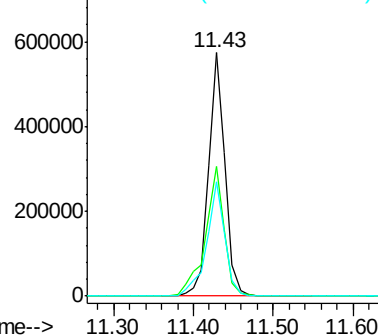


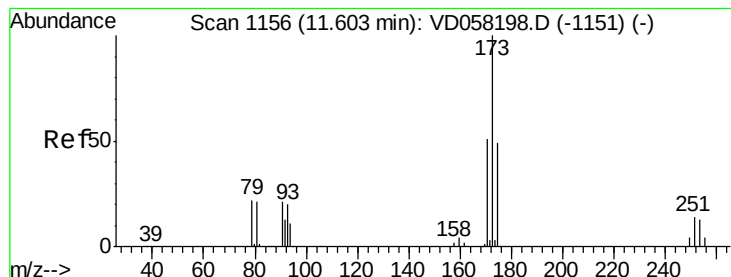
#70
Styrene
Concen: 75.49 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion:104 Resp: 835272
Ion Ratio Lower Upper
104 100
78 53.1 40.8 61.2
103 46.9 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: 75.21 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

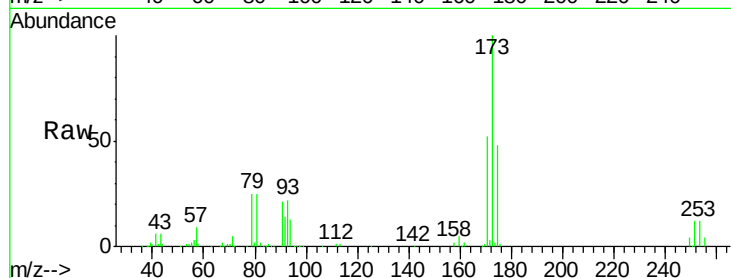
Tot Ion:173 Resp: 266967

Ion Ratio Lower Upper

173 100

175 48.4 24.6 74.0

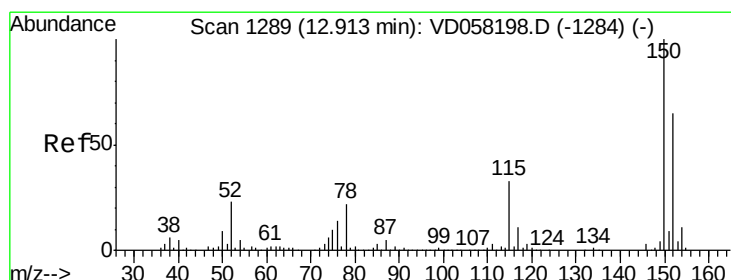
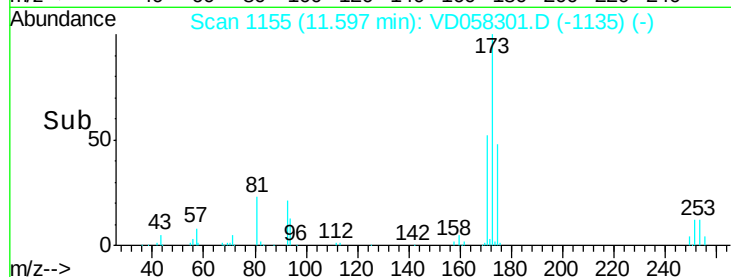
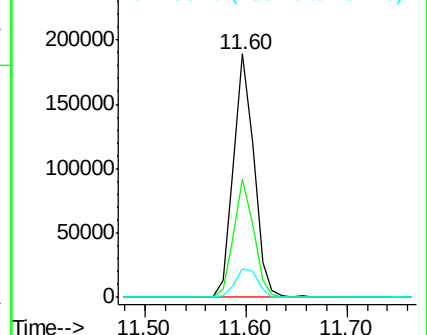
254 11.5 10.3 15.5



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# 1288

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

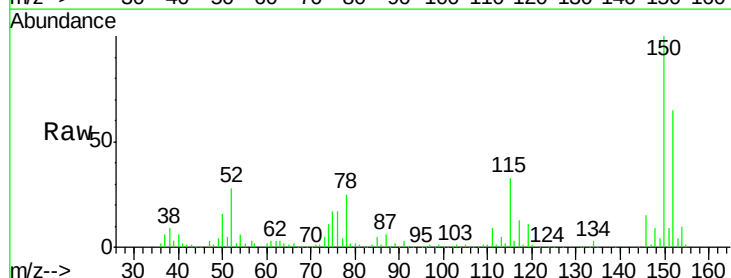
Tgt Ion:152 Resp: 330735

Ion Ratio Lower Upper

152 100

115 51.2 25.1 75.3

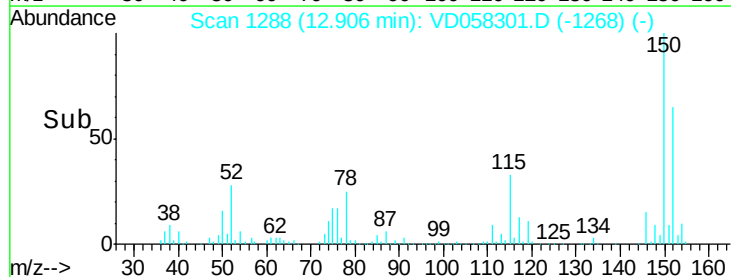
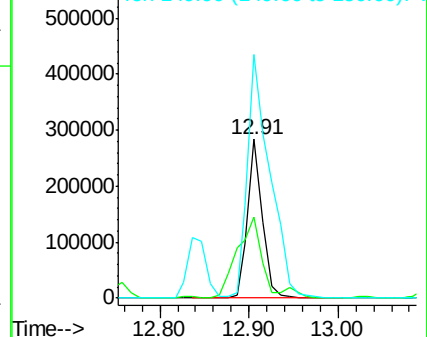
150 153.4 0.0 308.8

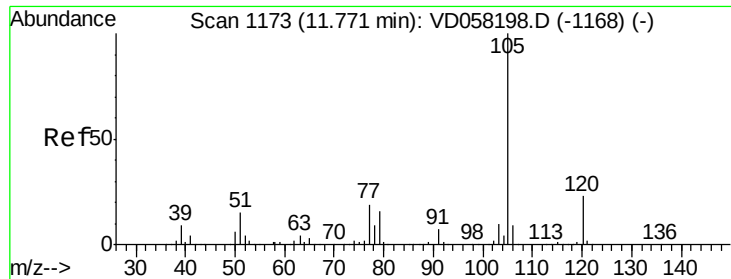


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 71.26 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

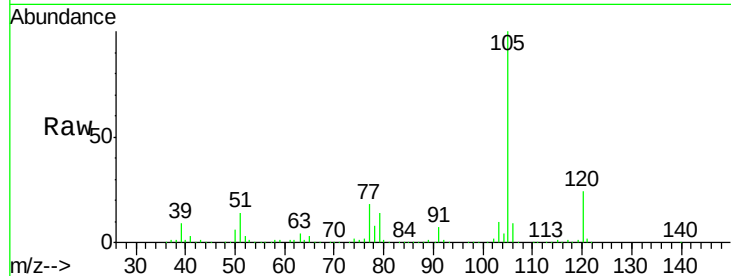
WP021SB472-13-15-180618MSD

Tot Ion:105 Resp: 1409653

Ion Ratio Lower Upper

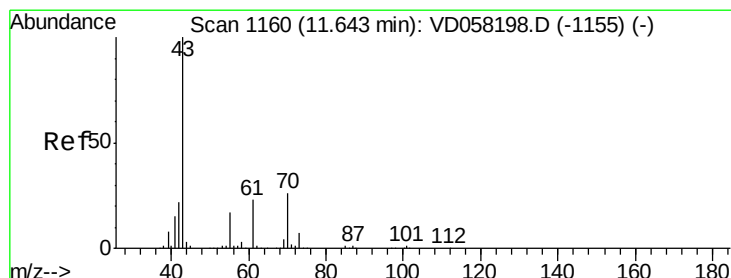
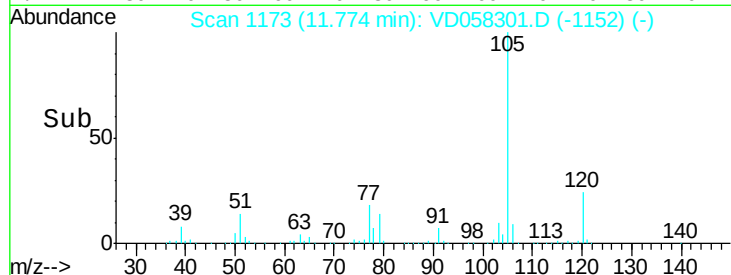
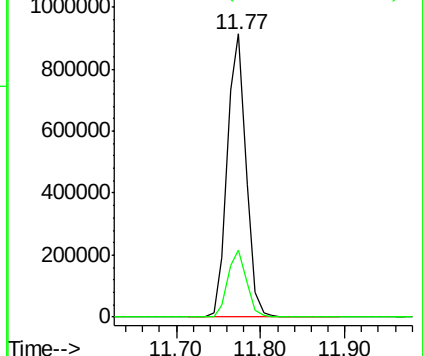
105 100

120 23.7 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 75.16 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Tgt Ion: 43 Resp: 574881

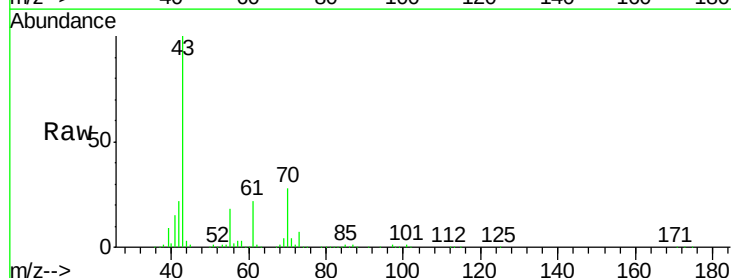
Ion Ratio Lower Upper

43 100

70 28.1 20.9 31.3

55 17.9 13.5 20.3

61 22.0 18.2 27.2

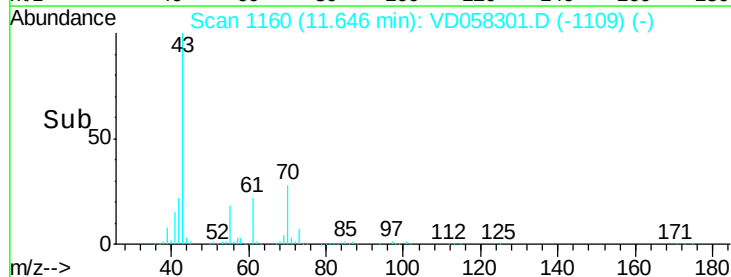
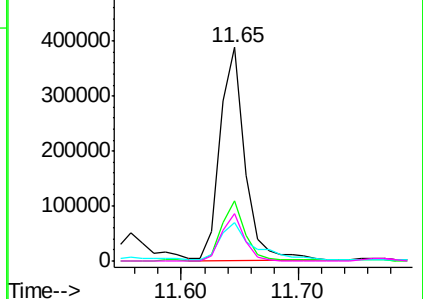


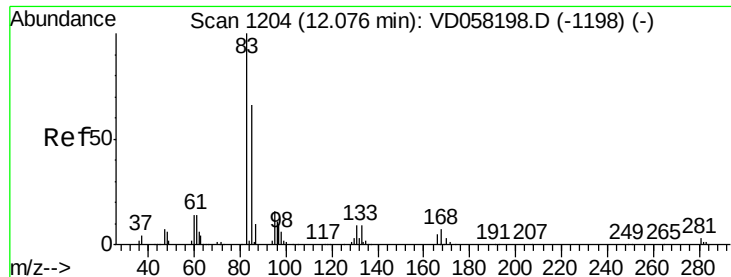
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 65.68 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

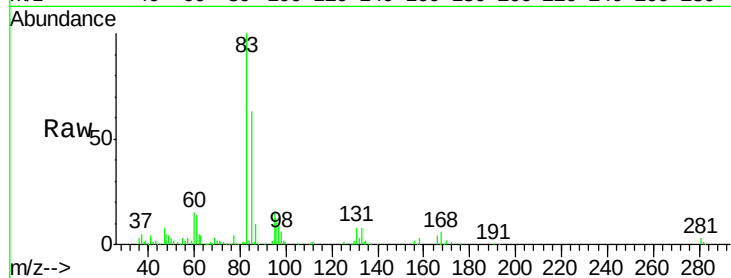
MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion: 83 Resp: 302353

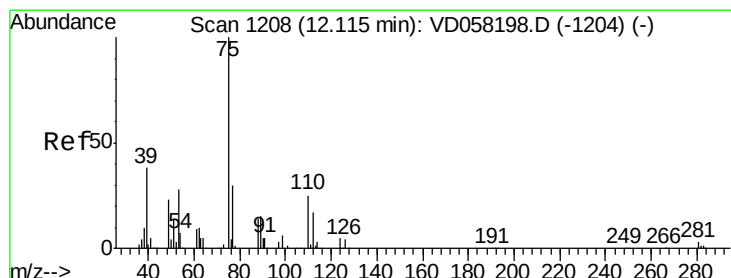
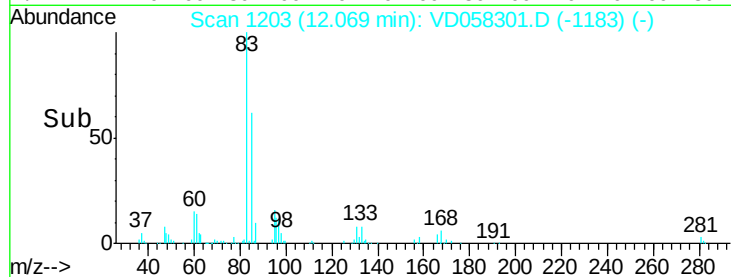
Ion	Ratio	Lower	Upper
83	100		
131	7.8	4.8	14.3
85	63.3	33.1	99.5



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: 65.68 ug/l

RT: 12.11 min Scan# 1207

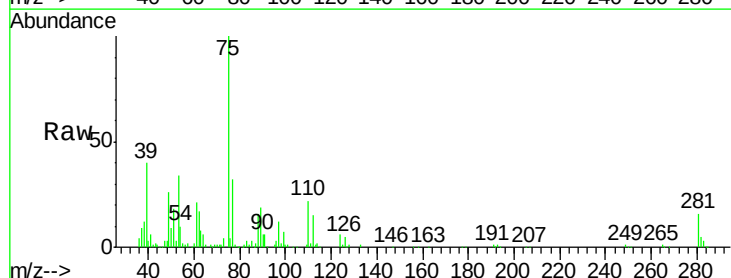
Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

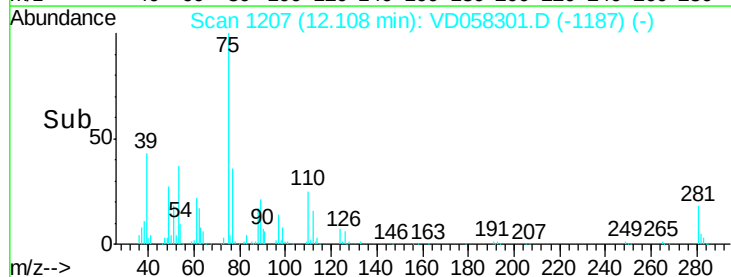
Tgt Ion: 75 Resp: 317167

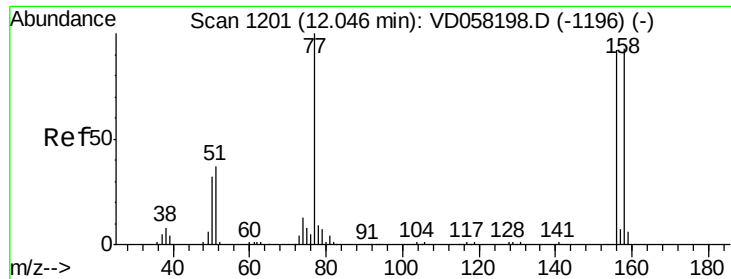
Ion	Ratio	Lower	Upper
75	100		
77	32.5	16.0	47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

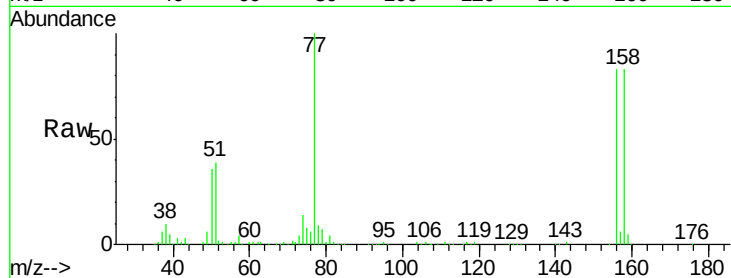




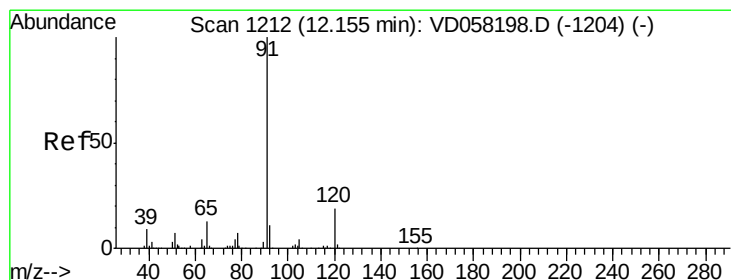
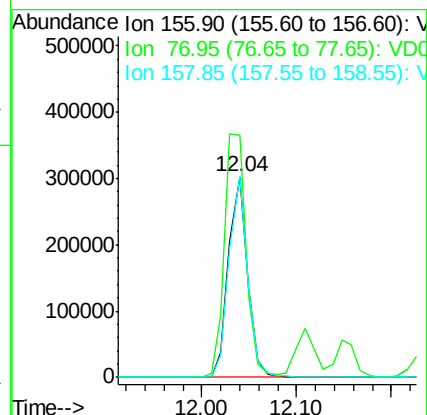
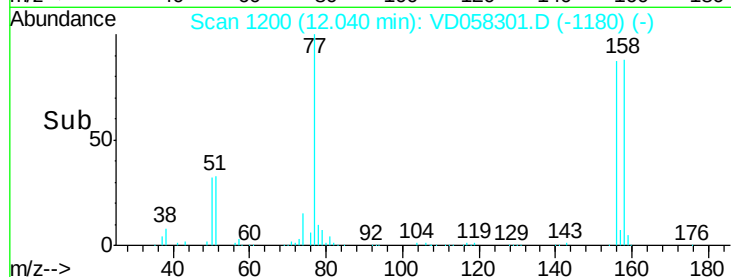
#77
Bromobenzene
Concen: 71.49 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion:156 Resp: 423514
Ion Ratio Lower Upper
156 100
77 121.1 54.5 163.6
158 100.6 50.8 152.5

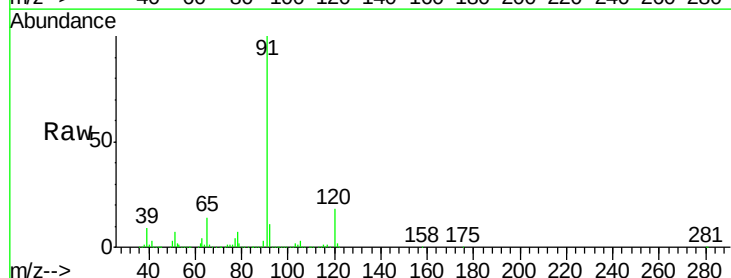


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

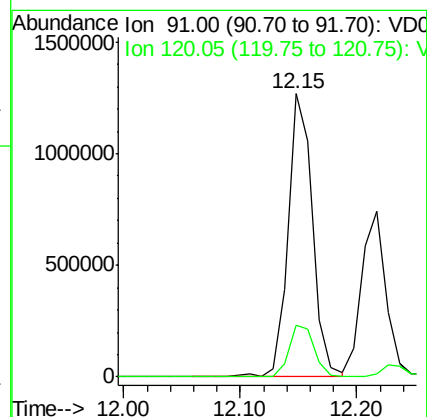
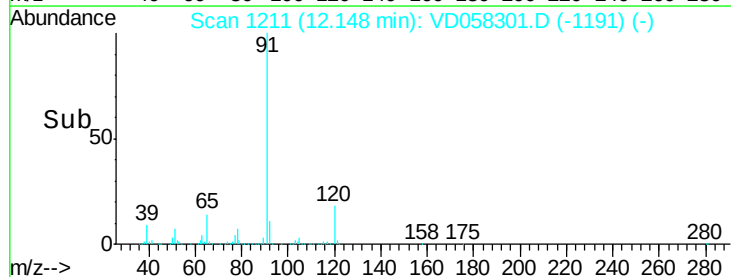


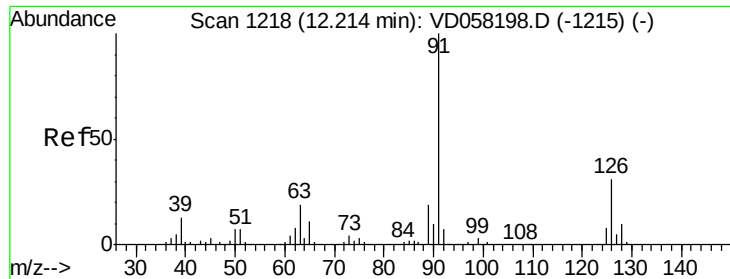
#78
n-propylbenzene
Concen: 71.57 ug/l
RT: 12.15 min Scan# 1211
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion: 91 Resp: 1828518
Ion Ratio Lower Upper
91 100
120 18.3 9.7 29.1



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

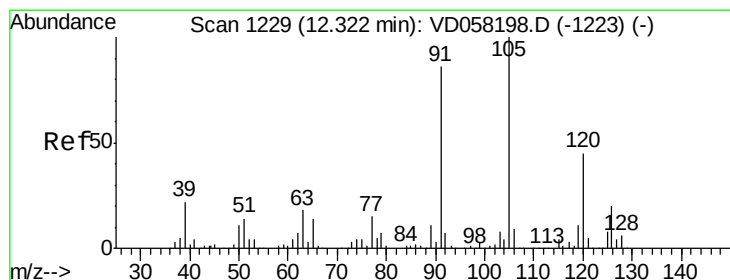
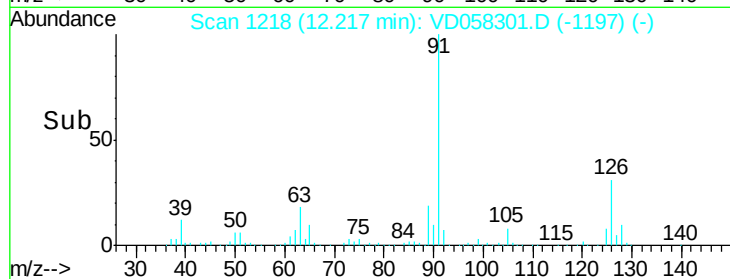
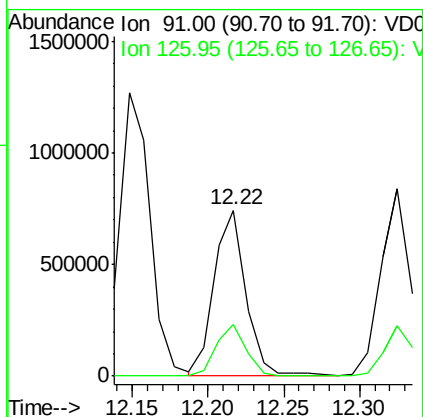
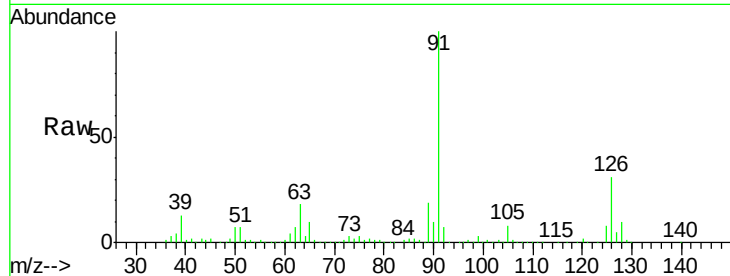




#79
 2-Chlorotoluene
 Concen: 74.29 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

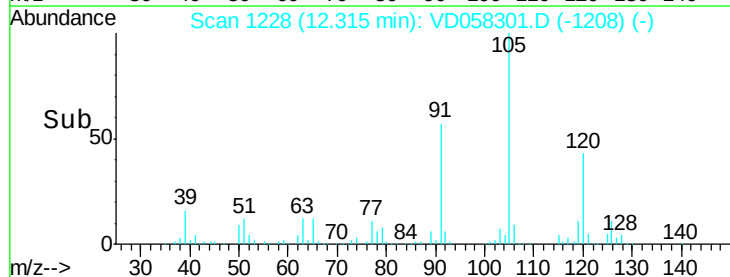
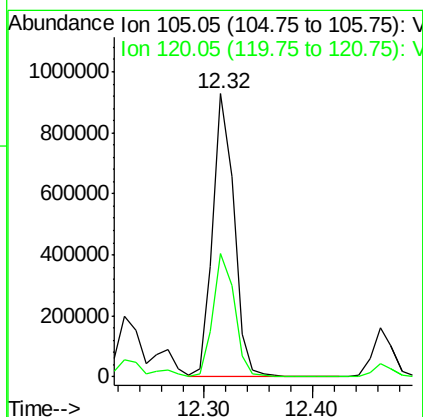
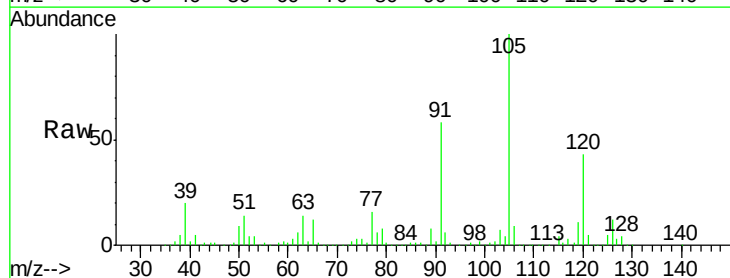
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

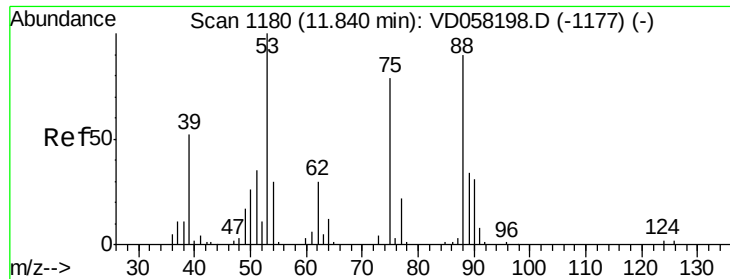
Tot Ion: 91 Resp: 1086007
 Ion Ratio Lower Upper
 91 100
 126 31.0 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 82.25 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Tgt Ion: 105 Resp: 1269085
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 65.98 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

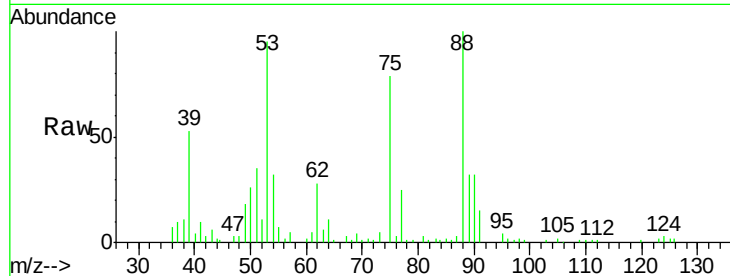
Tot Ion: 75 Resp: 77706

Ion Ratio Lower Upper

75 100

53 121.4 100.8 151.2

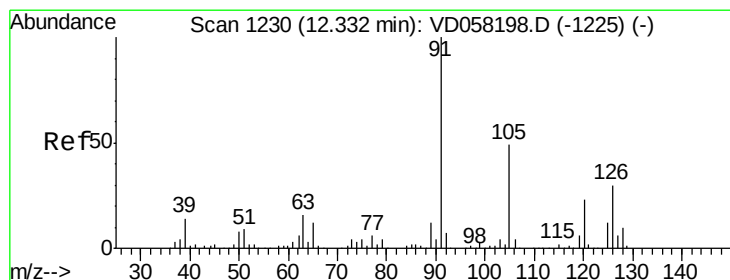
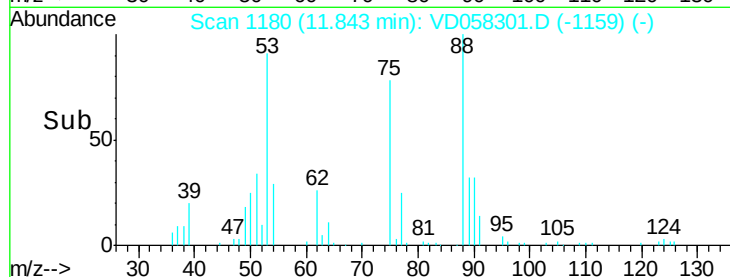
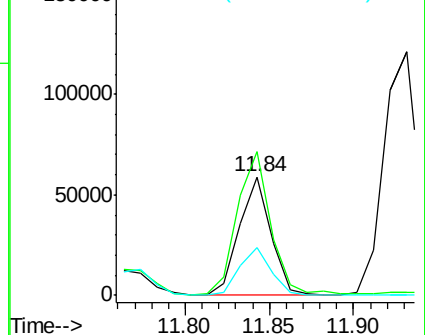
89 40.5 34.6 52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 84.13 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058301.D

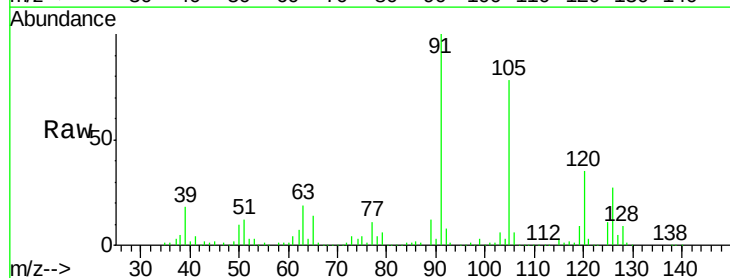
Acq: 22 Jun 2018 17:26

Tgt Ion: 91 Resp: 1145705

Ion Ratio Lower Upper

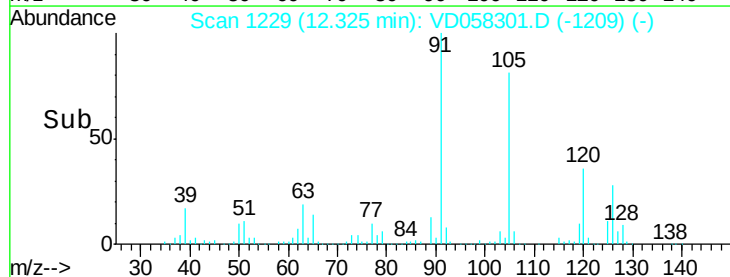
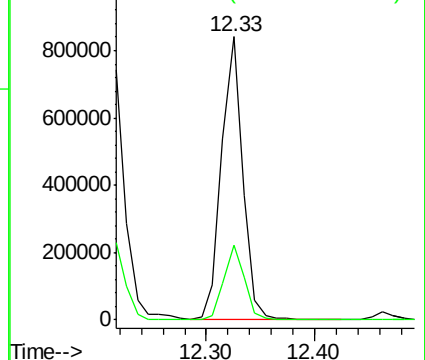
91 100

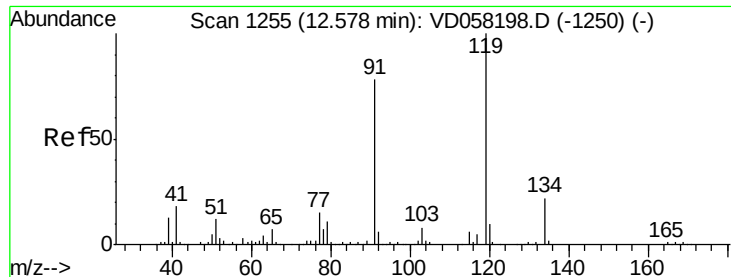
126 26.6 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 59.92 ug/l

RT: 12.57 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MSD

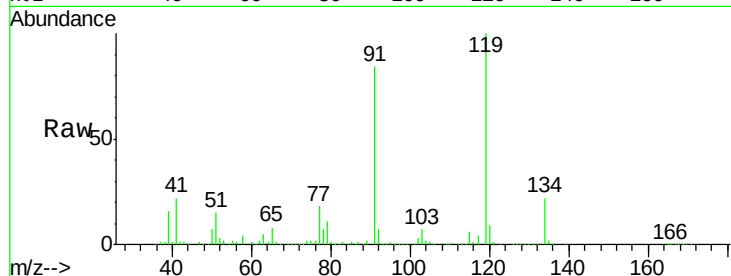
Tot Ion:119 Resp: 1063003

Ion Ratio Lower Upper

119 100

91 84.0 38.9 116.6

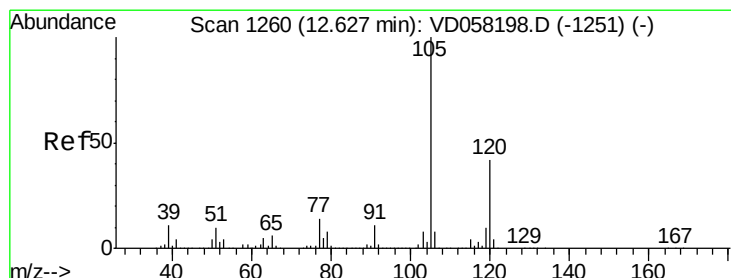
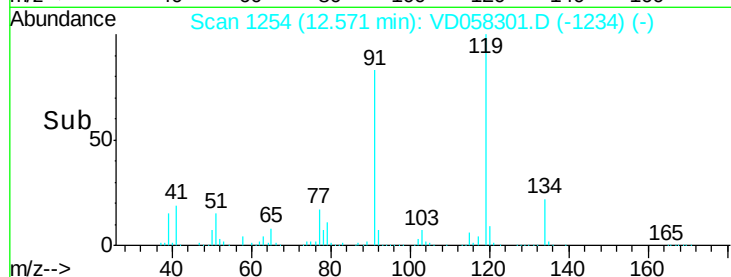
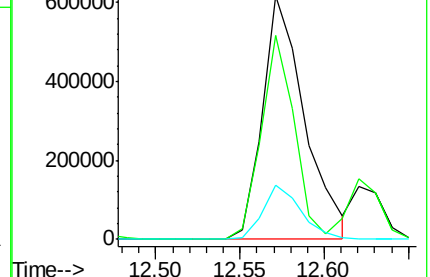
134 22.1 11.2 33.5



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 107.97 ug/l

RT: 12.62 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VD058301.D

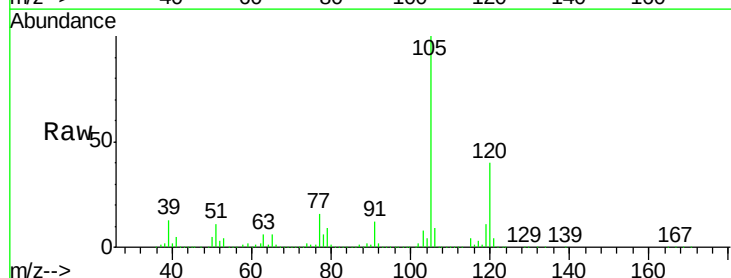
Acq: 22 Jun 2018 17:26

Tgt Ion:105 Resp: 1810887

Ion Ratio Lower Upper

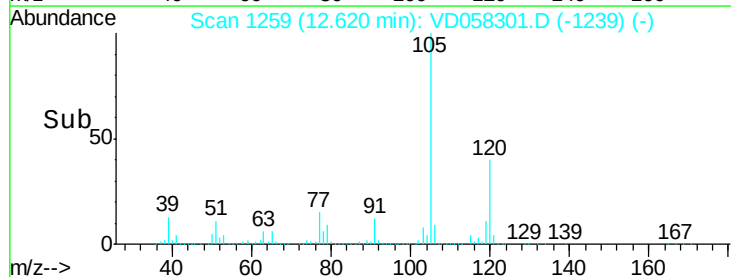
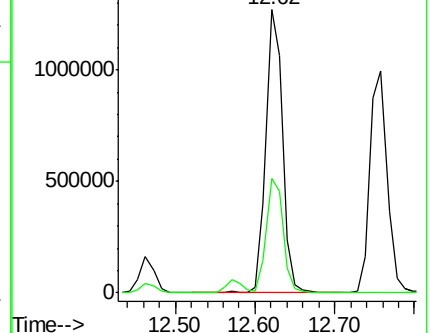
105 100

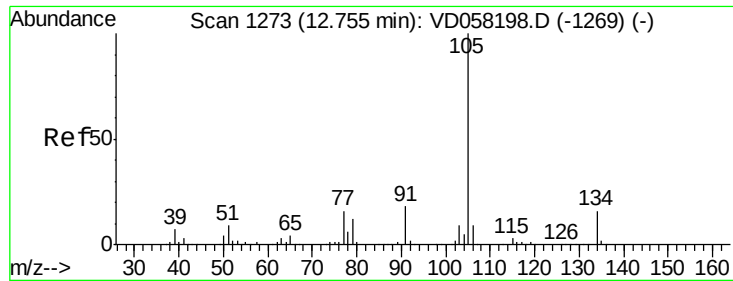
120 40.3 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 70.87 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

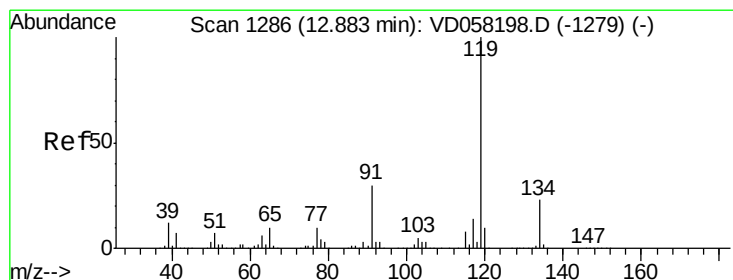
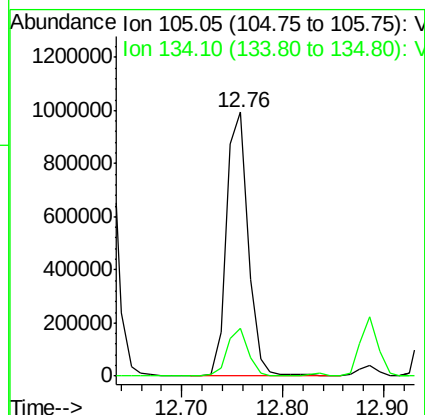
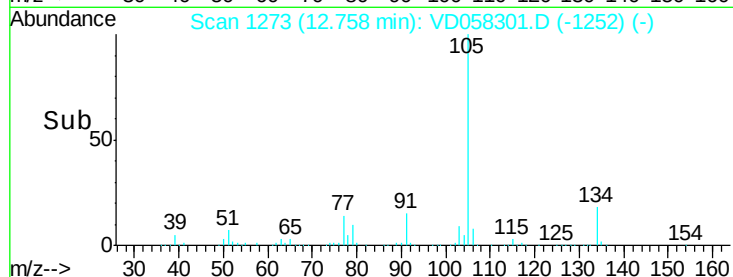
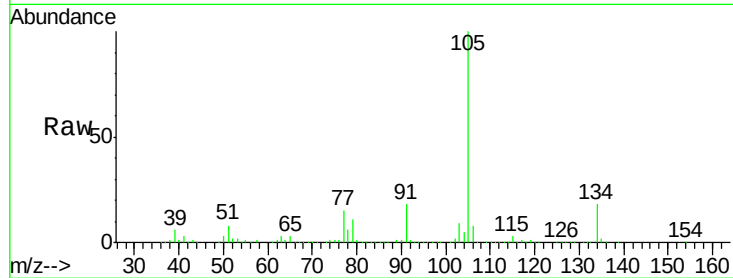
WP021SB472-13-15-180618MSD

Tot Ion:105 Resp: 1473570

Ion Ratio Lower Upper

105 100

134 18.0 8.1 24.3



#86

p-Isopropyltoluene

Concen: 70.06 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

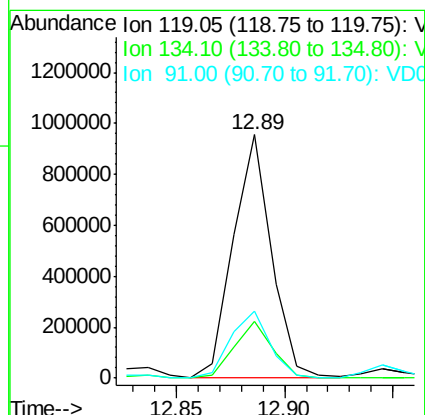
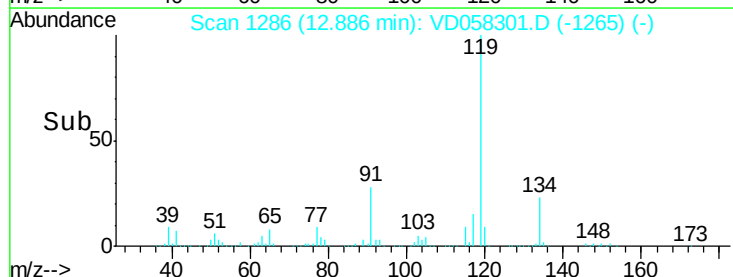
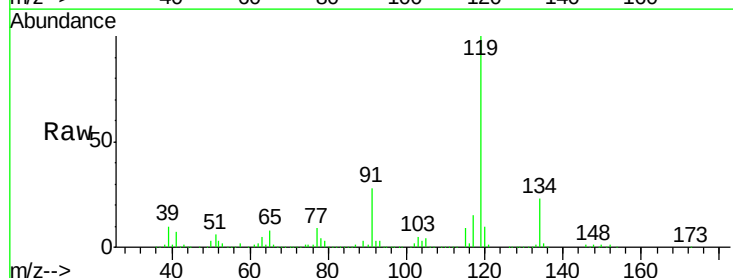
Tgt Ion:119 Resp: 1180486

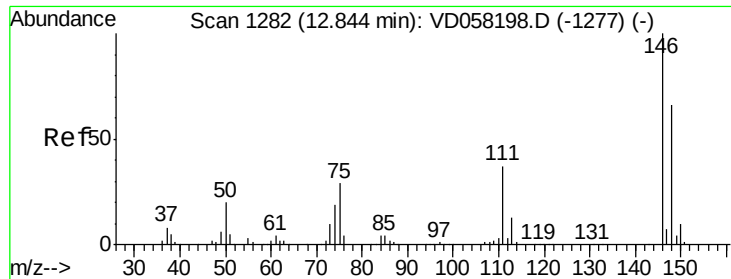
Ion Ratio Lower Upper

119 100

134 23.4 11.6 34.8

91 27.7 15.0 45.1

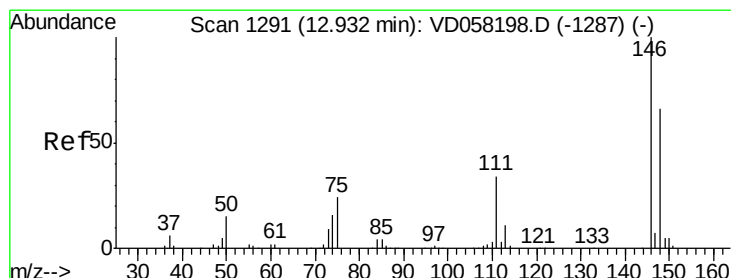
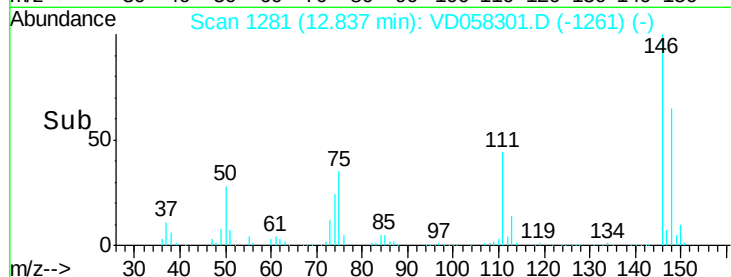
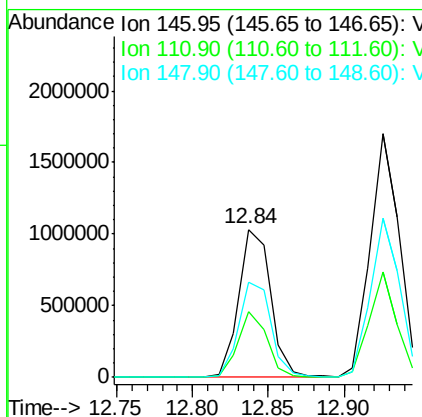
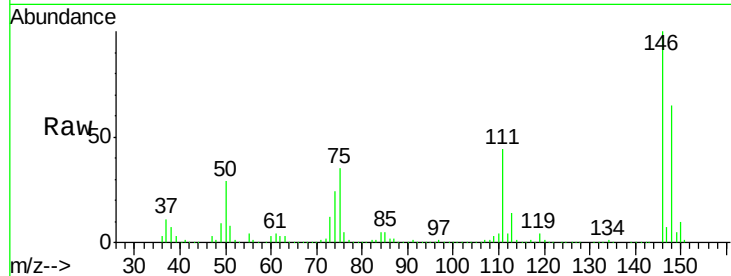




#87
 1,3-Dichlorobenzene
 Concen: 147.52 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

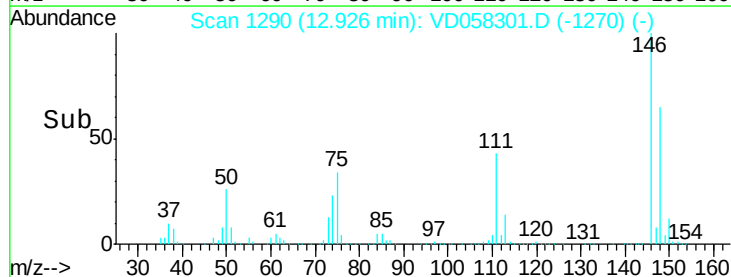
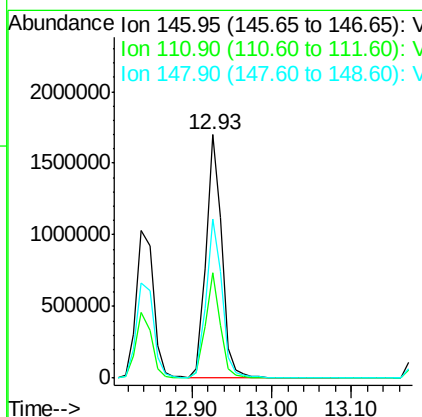
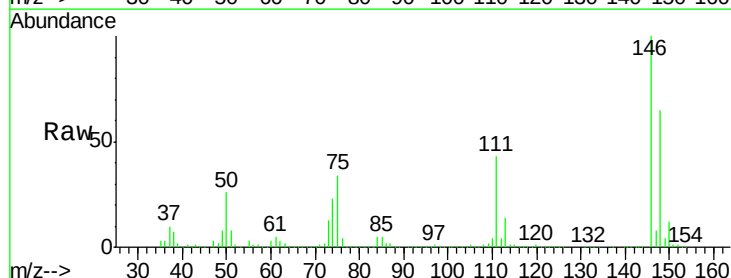
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

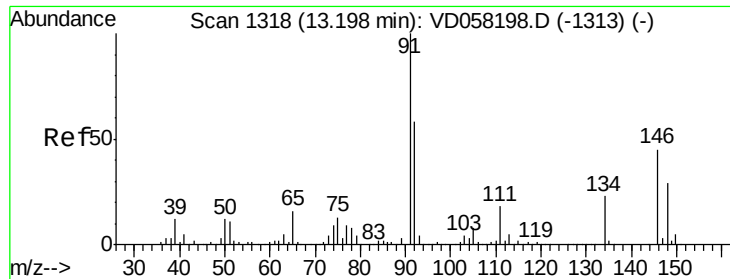
Tot Ion:146 Resp: 1518880
 Ion Ratio Lower Upper
 146 100
 111 44.2 18.4 55.0
 148 64.7 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 233.39 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Tgt Ion:146 Resp: 2346596
 Ion Ratio Lower Upper
 146 100
 111 43.1 17.2 51.5
 148 65.4 33.1 99.3

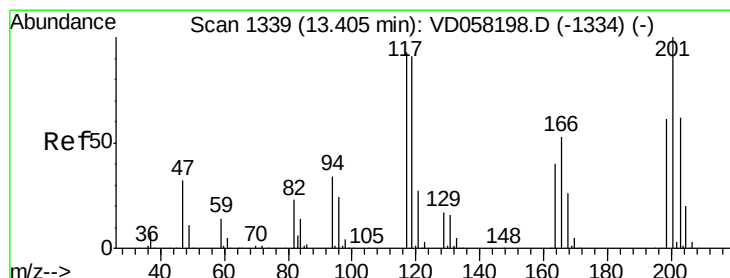
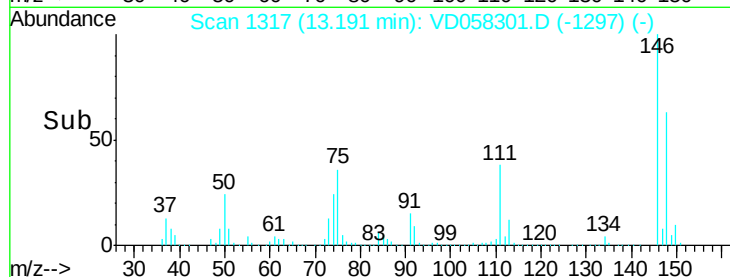
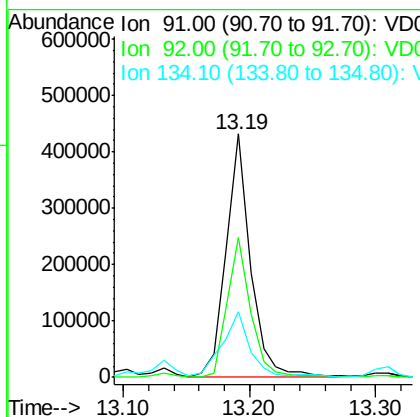
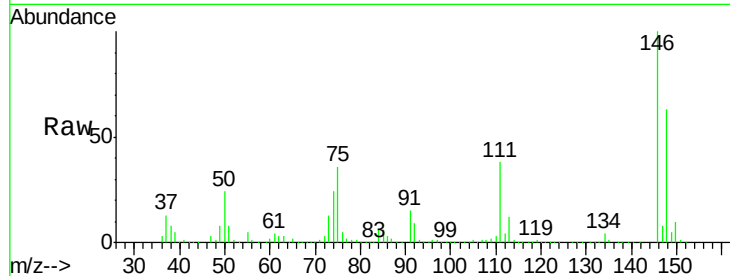




#89
n-Butylbenzene
Concen: 32.25 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

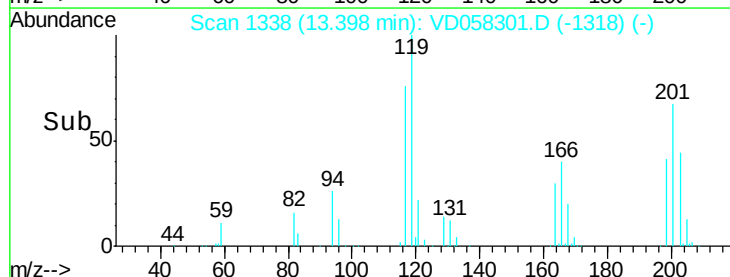
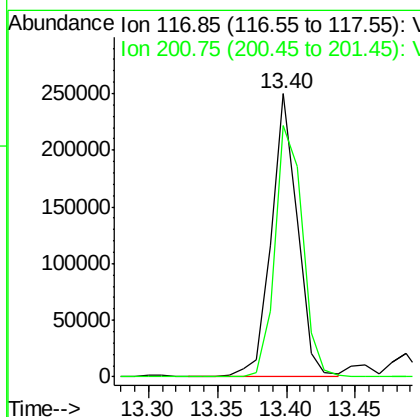
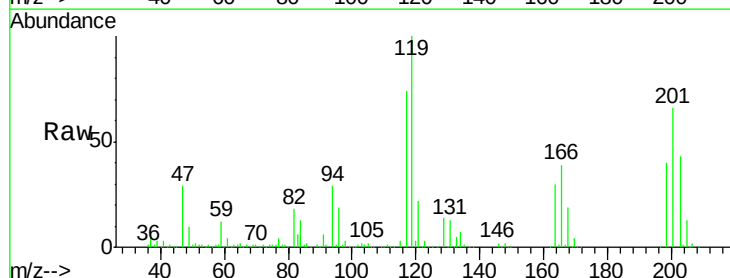
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

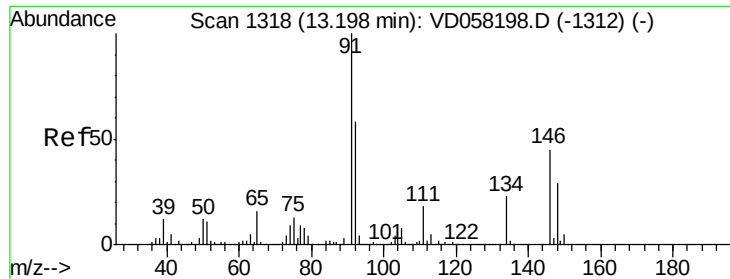
Tot Ion: 91 Resp: 571092
Ion Ratio Lower Upper
91 100
92 57.5 29.2 87.6
134 27.0 11.3 33.8



#90
Hexachloroethane
Concen: 75.01 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion: 117 Resp: 328068
Ion Ratio Lower Upper
117 100
201 88.8 53.8 161.4

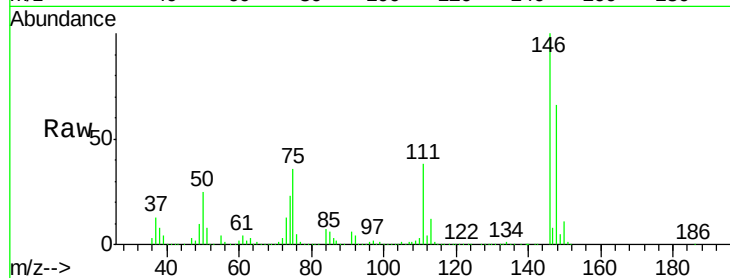




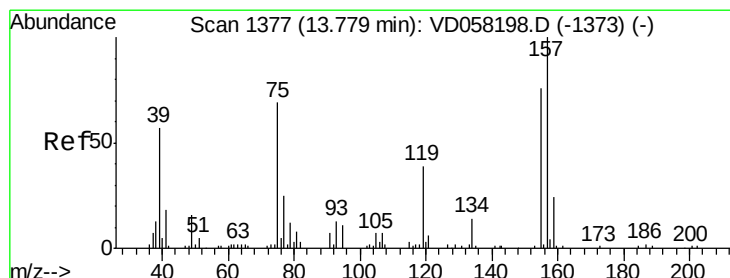
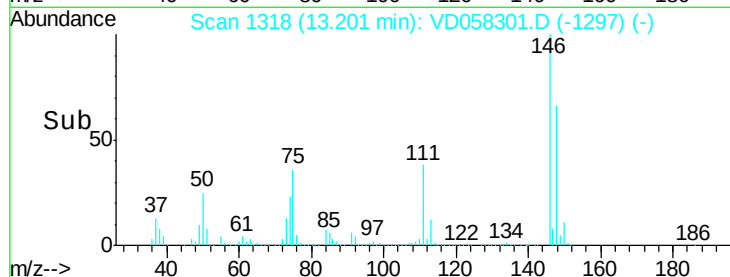
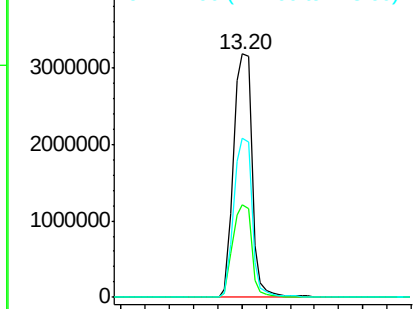
#91
 1,2-Dichlorobenzene
 Concen: 777.96 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion:146 Resp: 6816594
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.6 58.7
 148 65.6 32.0 96.2

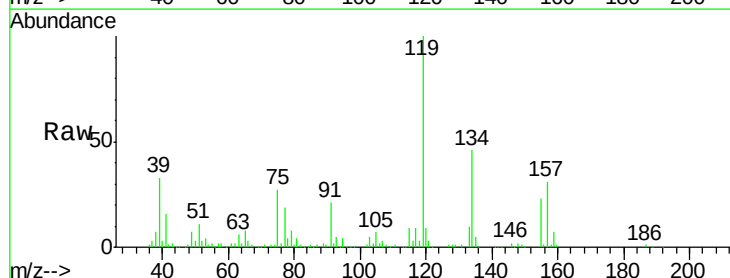


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

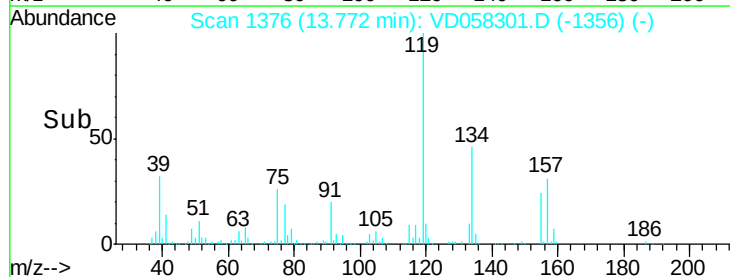
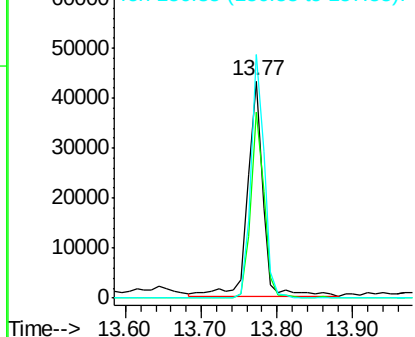


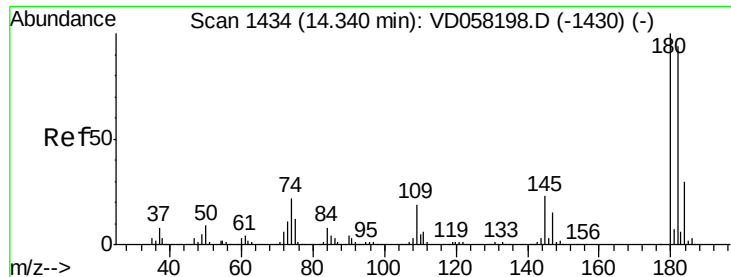
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 83.21 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Tgt Ion: 75 Resp: 60965
 Ion Ratio Lower Upper
 75 100
 155 85.8 54.5 163.5
 157 112.1 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

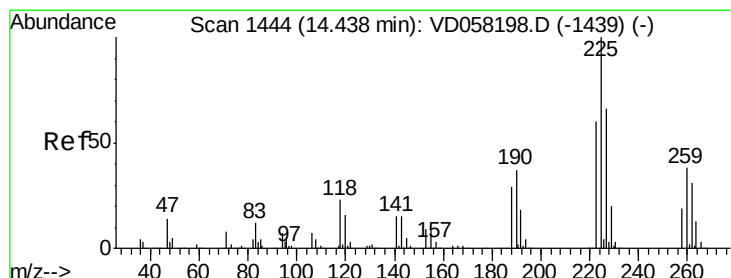
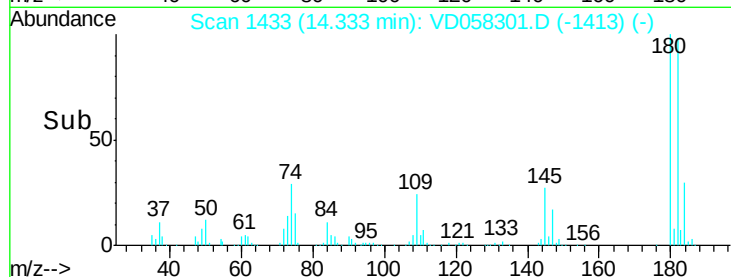
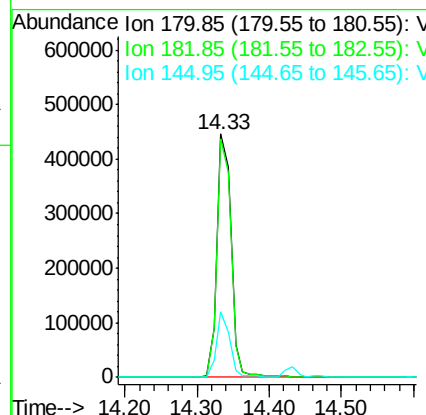
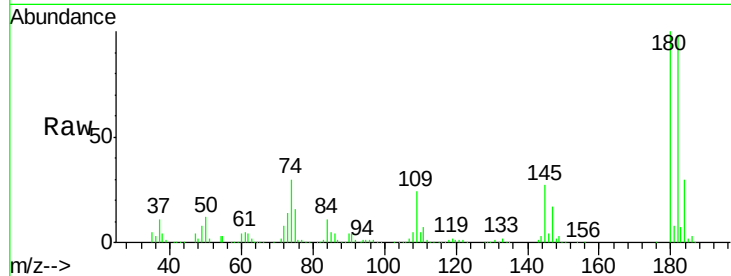




#93
 1,2,4-Trichlorobenzene
 Concen: 72.24 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

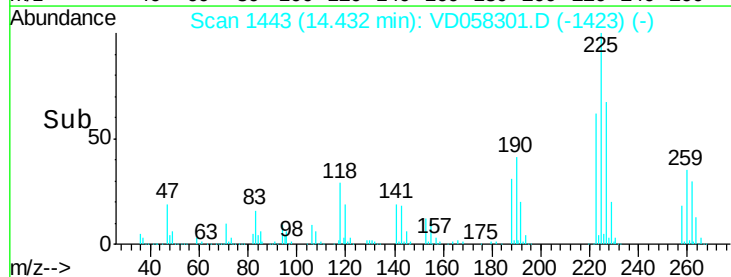
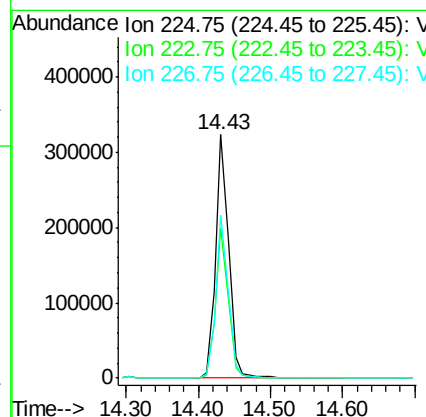
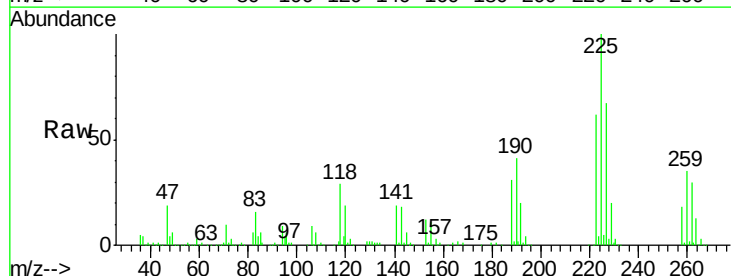
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

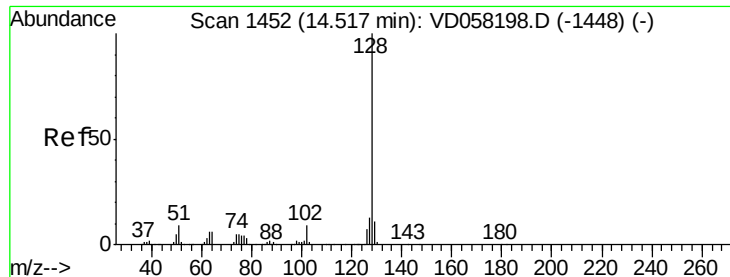
Tot Ion:180 Resp: 605360
 Ion Ratio Lower Upper
 180 100
 182 98.2 47.1 141.3
 145 26.9 11.7 35.0



#94
 Hexachlorobutadiene
 Concen: 61.31 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Tgt Ion:225 Resp: 401858
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.1 90.3
 227 66.7 33.0 98.9

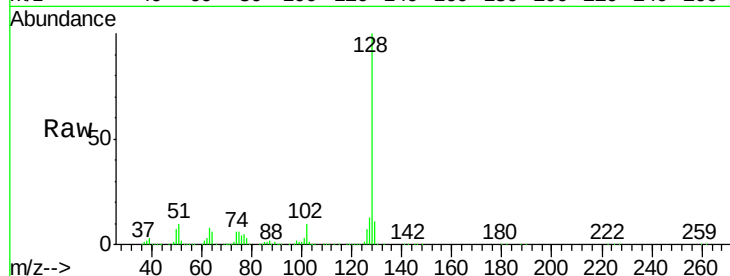




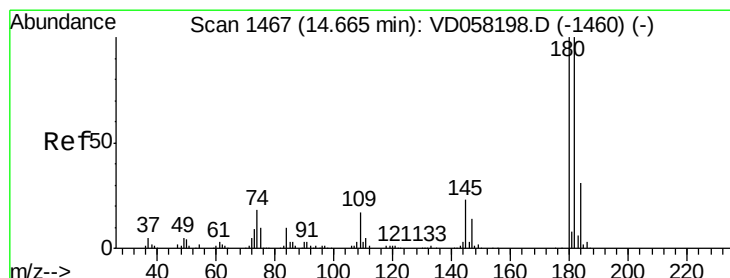
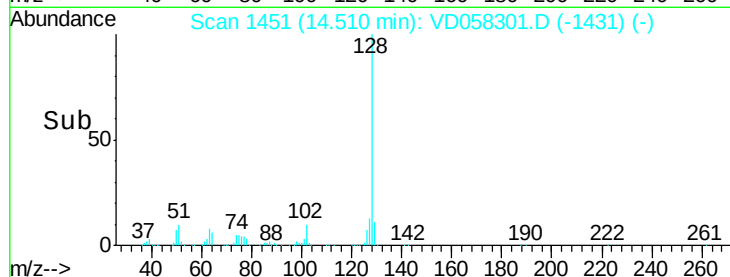
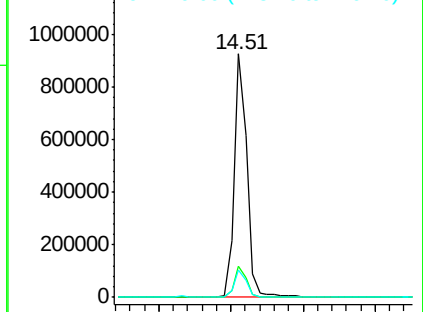
#95
Naphthalene
Concen: 102.90 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion:128 Resp: 1135866
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 11.0 8.7 13.1

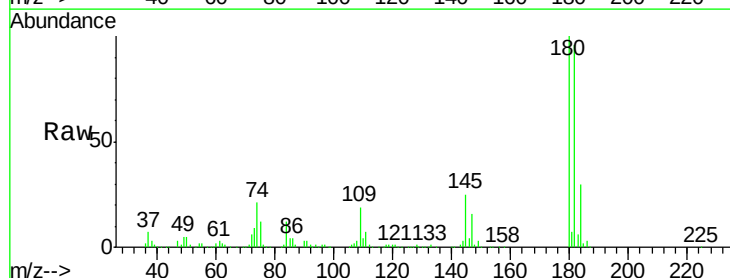


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 68.66 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

Tgt Ion:180 Resp: 503727
Ion Ratio Lower Upper
180 100
182 96.4 49.9 149.6
145 24.8 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

