

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058301.D
 Acq On : 22 Jun 2018 17:26
 Operator : VA/AP
 Sample : J3663-04
 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	353156	65.13	ug/l	0.00
Spiked Amount			Recovery	=	130.26%	
35) Dibromofluoromethane	5.54	113	369598	60.80	ug/l	0.00
Spiked Amount			Recovery	=	121.60%	
50) Toluene-d8	8.70	98	814986	55.42	ug/l	0.00
Spiked Amount			Recovery	=	110.84%	
62) 4-Bromofluorobenzene	11.93	95	373375	62.15	ug/l	0.00
Spiked Amount			Recovery	=	124.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	419575	86.649	ug/l	99
3) Chloromethane	1.49	50	200455	88.962	ug/l	98
4) Vinyl Chloride	1.56	62	232377	82.629	ug/l	97
5) Bromomethane	1.80	94	88510	146.099	ug/l	91
6) Chloroethane	1.88	64	102026	Below Cal		96
7) Trichlorofluoromethane	2.09	101	342400	88.797	ug/l	95
8) Diethyl Ether	2.34	74	69723	85.487	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	200153	81.651	ug/l	94
10) Methyl Iodide	2.69	142	249489	89.476	ug/l	98
11) Tert butyl alcohol	3.26	59	70487	394.125	ug/l #	91
12) 1,1-Dichloroethene	2.54	96	157101	85.179	ug/l	96
13) Acrolein	2.47	56	17842	174.759	ug/l	87
14) Allyl chloride	2.91	41	376792	87.775	ug/l	96
15) Acrylonitrile	3.36	53	184629	389.338	ug/l	87
16) Acetone	2.61	43	900077	1213.744	ug/l #	92
17) Carbon Disulfide	2.76	76	485654	77.395	ug/l	98
18) Methyl Acetate	2.93	43	112284	70.997	ug/l #	92
19) Methyl tert-butyl Ether	3.41	73	482314	98.595	ug/l	98
20) Methylene Chloride	3.07	84	174703	94.481	ug/l	92
21) trans-1,2-Dichloroethene	3.39	96	186504	92.525	ug/l	94
22) Diisopropyl ether	4.07	45	1369556	80.330	ug/l	97
23) Vinyl Acetate	4.02	43	3610898	395.093	ug/l	99
24) 1,1-Dichloroethane	3.97	63	781410	85.074	ug/l	98
25) 2-Butanone	4.83	43	1105021	683.684	ug/l	100
26) 2,2-Dichloropropane	4.79	77	638618	83.035	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	692361	137.452	ug/l	96
28) Bromochloromethane	5.14	49	326441	79.282	ug/l #	95
29) Tetrahydrofuran	5.18	42	308513	358.609	ug/l	97
30) Chloroform	5.32	83	821359	84.704	ug/l	92
31) Cyclohexane	5.59	56	552342	86.657	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	666441	83.183	ug/l	97
36) 1,1-Dichloropropene	5.74	75	544881	73.749	ug/l	98
37) Ethyl Acetate	4.92	43	301860	71.708	ug/l #	97
38) Carbon Tetrachloride	5.72	117	563928	76.818	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	507660	70.544	ug/l	97
40) Benzene	6.01	78	1350097	76.712	ug/l	98
41) Methacrylonitrile	5.12	41	156544	77.012	ug/l	96
42) 1,2-Dichloroethane	6.12	62	557221	78.520	ug/l	98
43) Isopropyl Acetate	7.61	43	377167	67.205	ug/l	99
44) Trichloroethene	6.98	130	415948	78.706	ug/l	93
45) 1,2-Dichloropropane	7.34	63	360236	76.002	ug/l	100
46) Dibromomethane	7.46	93	250091	77.292	ug/l	95
47) Bromodichloromethane	7.74	83	573663	77.747	ug/l	100
48) Methyl methacrylate	7.50	41	238818	70.015	ug/l	98
49) 1,4-Dioxane	7.49	88	44673	1450.899	ug/l #	69
51) 4-Methyl-2-Pentanone	8.59	43	1793055	489.813	ug/l	100
52) Toluene	8.80	92	833578	83.179	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	491903	76.679	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	584903	77.772	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	267632	75.483	ug/l	97
56) Ethyl methacrylate	9.31	69	307180	72.443	ug/l	98
57) 1,3-Dichloropropane	9.67	76	428499	71.746	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	766367	365.077	ug/l	97
59) 2-Hexanone	9.79	43	1002071	378.834	ug/l	97
60) Dibromochloromethane	9.95	129	375152	77.965	ug/l	96
61) 1,2-Dibromoethane	10.09	107	278467	71.758	ug/l	96
64) Tetrachloroethene	9.51	164	385486	74.321	ug/l	96
65) Chlorobenzene	10.72	112	3047316	264.277	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	341167	76.670	ug/l	98
67) Ethyl Benzene	10.86	91	1554392	76.357	ug/l	99
68) m/p-Xylenes	11.01	106	1075493	158.426	ug/l	100
69) o-Xylene	11.40	106	486857	75.088	ug/l	94
70) Styrene	11.43	104	835272	75.494	ug/l	98
71) Bromoform	11.60	173	266967	75.208	ug/l	98
73) Isopropylbenzene	11.77	105	1409653	71.257	ug/l	99
74) N-amyl acetate	11.65	43	574881	75.156	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	302353	65.676	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	317167	65.682	ug/l	99
77) Bromobenzene	12.04	156	423514	71.492	ug/l	94
78) n-propylbenzene	12.15	91	1828518	71.574	ug/l	98
79) 2-Chlorotoluene	12.22	91	1086007	74.286	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	1269085	82.248	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	77706	65.980	ug/l	96
82) 4-Chlorotoluene	12.33	91	1145705	84.128	ug/l	94
83) tert-Butylbenzene	12.57	119	1063003	59.922	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	1810887	107.967	ug/l	98
85) sec-Butylbenzene	12.76	105	1473570	70.866	ug/l	96
86) p-Isopropyltoluene	12.89	119	1180486	70.056	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	1518880	147.516	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	2346596	233.385	ug/l	94
89) n-Butylbenzene	13.19	91	571092	32.248	ug/l	97
90) Hexachloroethane	13.40	117	328068	75.011	ug/l	82
91) 1,2-Dichlorobenzene	13.20	146	6816594	777.958	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	60965	83.209	ug/l	76

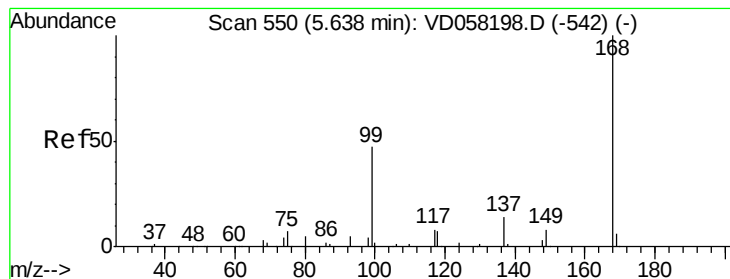
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	605360	72.236	ug/l	95
94) Hexachlorobutadiene	14.43	225	401858	61.308	ug/l	99
95) Naphthalene	14.51	128	1135866	102.897	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	503727	68.661	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

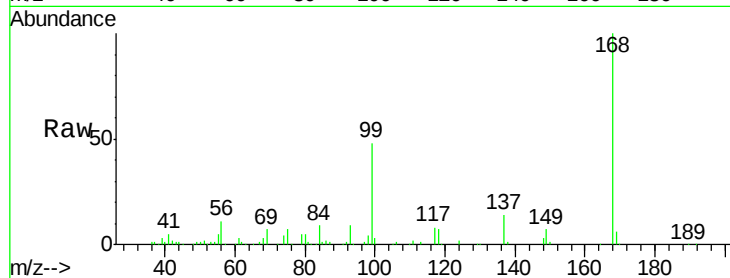
WP021SB472-13-15-180618MSD

Tot Ion:168 Resp: 536843

Ion Ratio Lower Upper

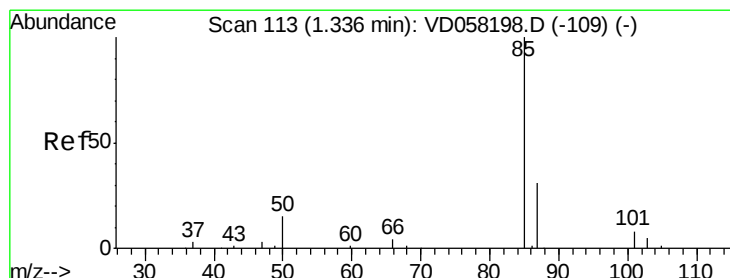
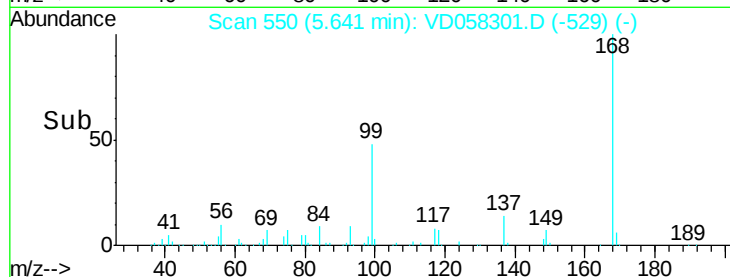
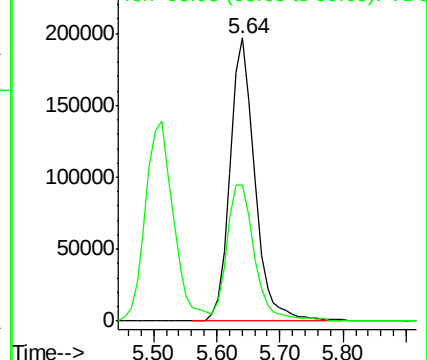
168 100

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: 86.649 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058301.D

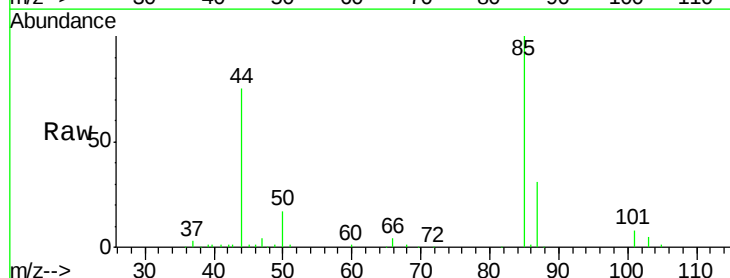
Acq: 22 Jun 2018 17:26

Tgt Ion: 85 Resp: 419575

Ion Ratio Lower Upper

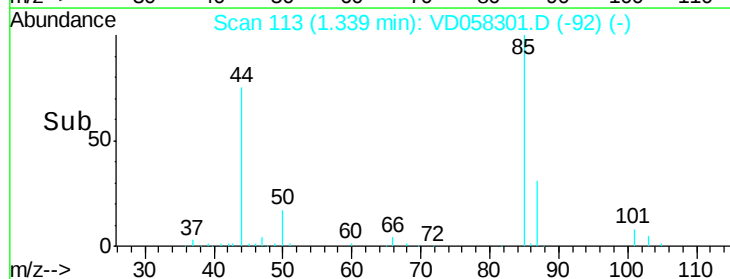
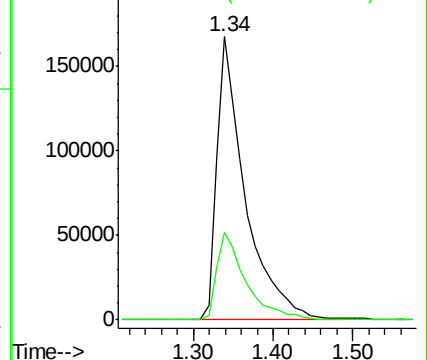
85 100

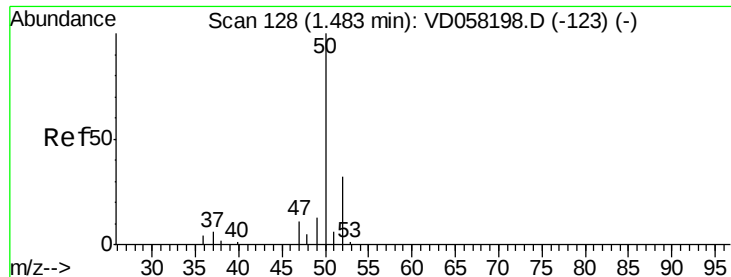
87 30.8 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 88.962 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 :

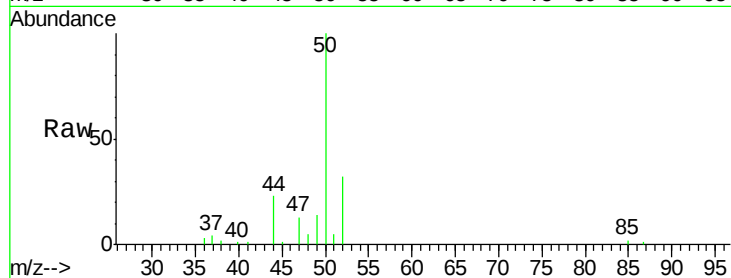
WP021SB472-13-15-180618MSD

Tot Ion: 50 Resp: 200455

Ion Ratio Lower Upper

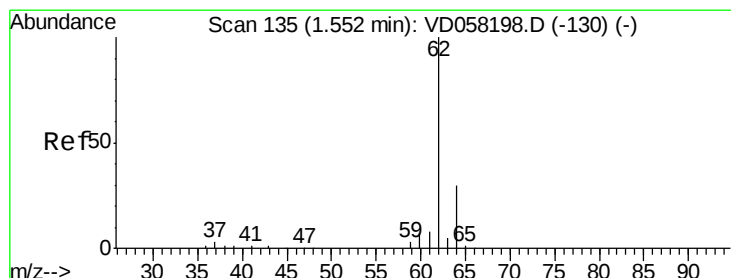
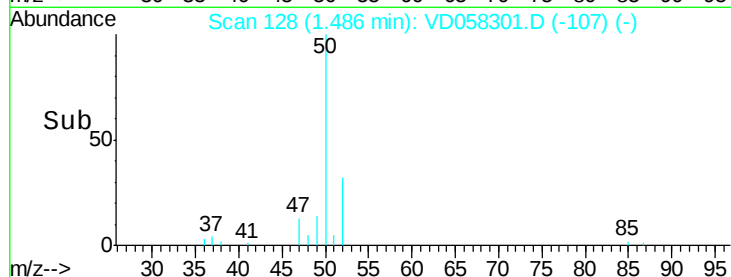
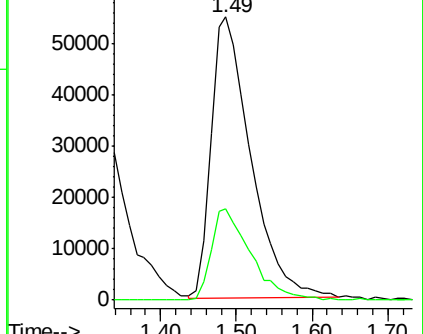
50 100

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: 82.629 ug/l

RT: 1.56 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058301.D

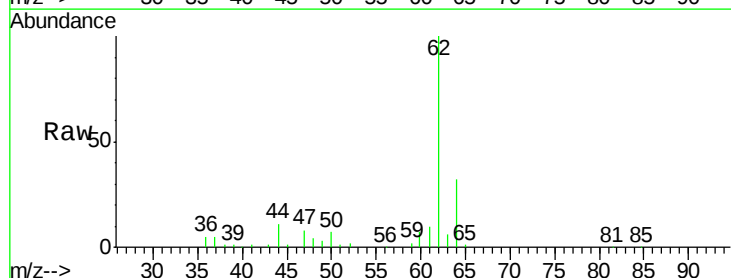
Acq: 22 Jun 2018 17:26

Tgt Ion: 62 Resp: 232377

Ion Ratio Lower Upper

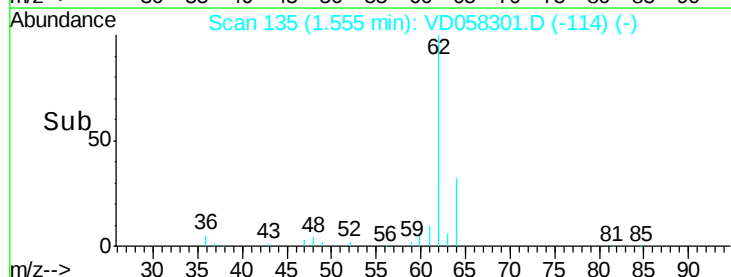
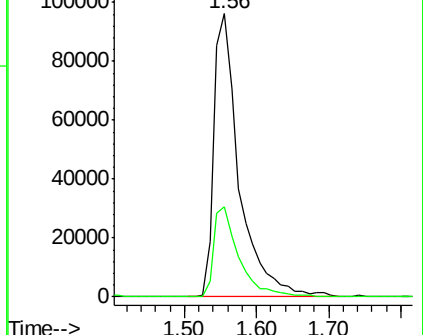
62 100

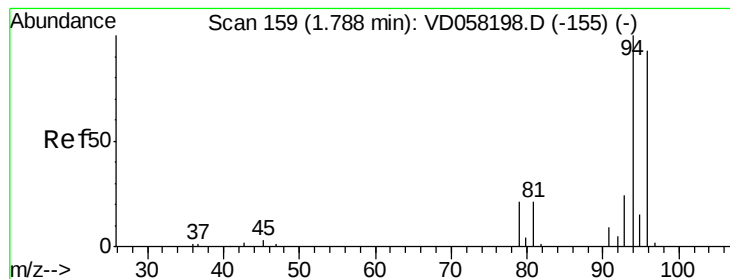
64 31.9 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 146.099 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 :

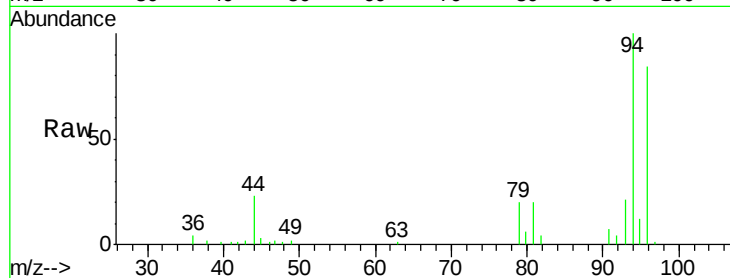
WP021SB472-13-15-180618MSD

Tot Ion: 94 Resp: 88510

Ion Ratio Lower Upper

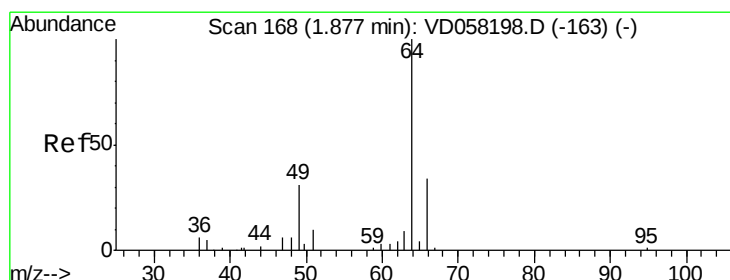
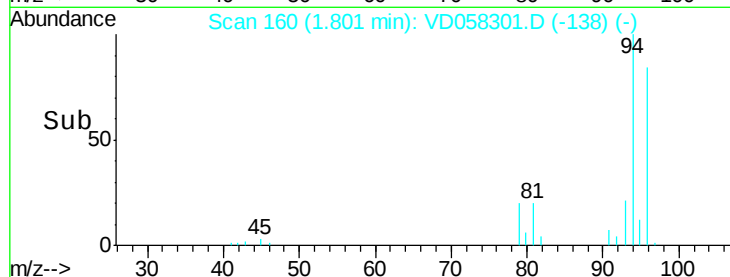
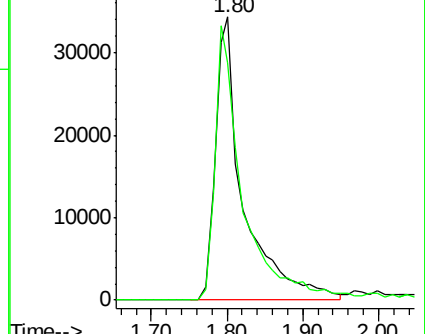
94 100

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

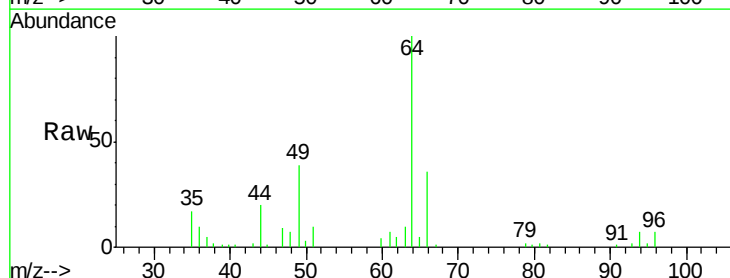
Acq: 22 Jun 2018 17:26

Tgt Ion: 64 Resp: 102026

Ion Ratio Lower Upper

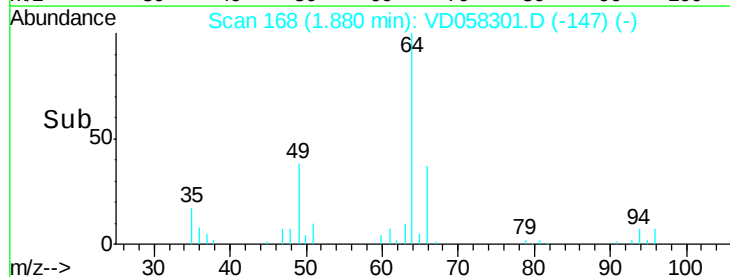
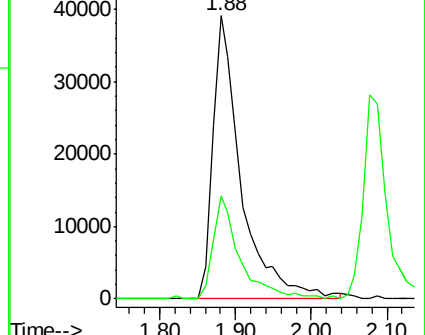
64 100

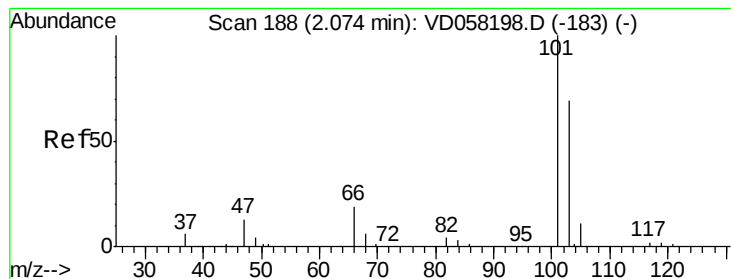
66 36.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



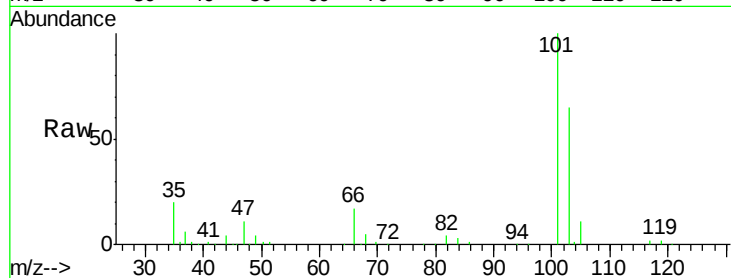


#7

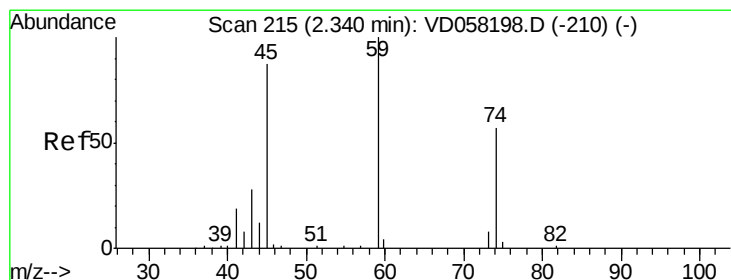
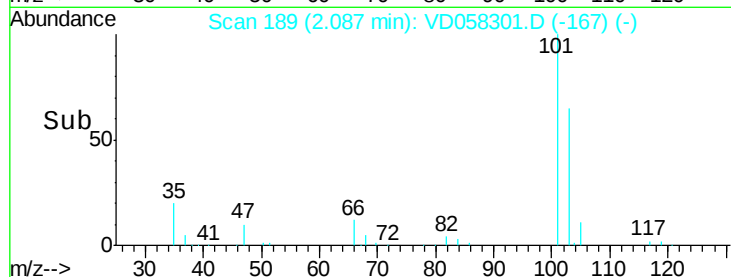
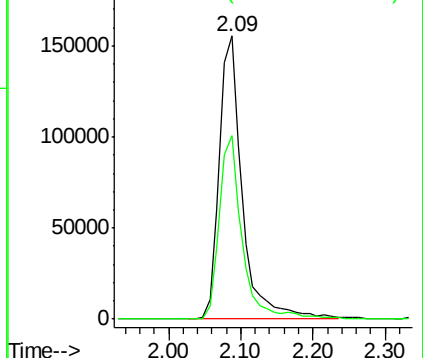
Trichlorofluoromethane
Concen: 88.797 ug/l
RT: 2.09 min Scan# 189
Delta R.T. 0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

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

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



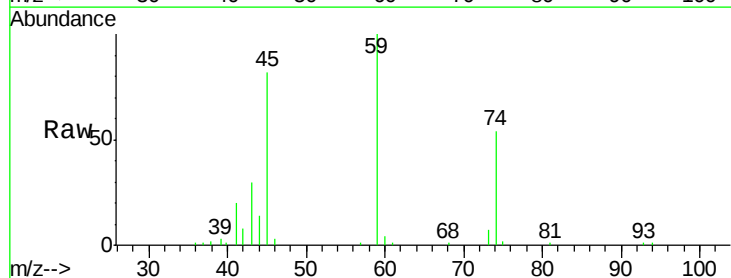
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



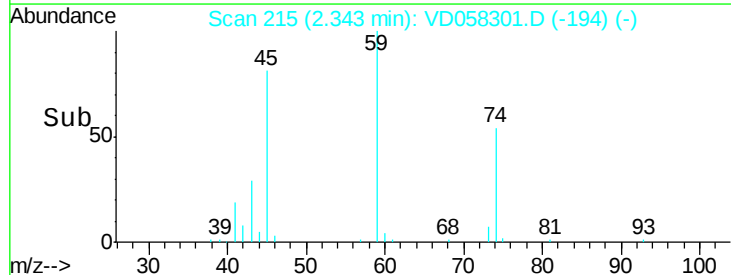
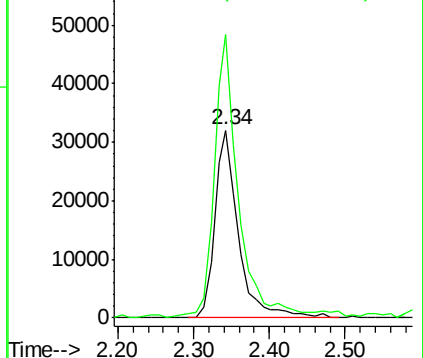
#8

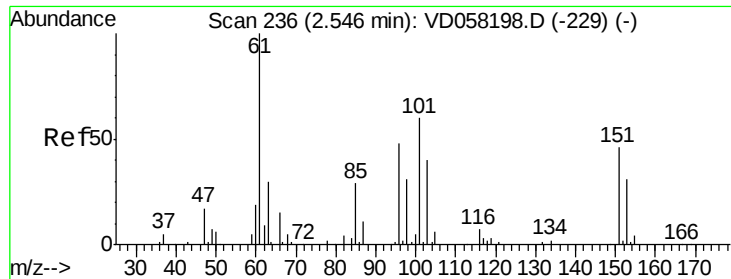
Diethyl Ether
Concen: 85.487 ug/l
RT: 2.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

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

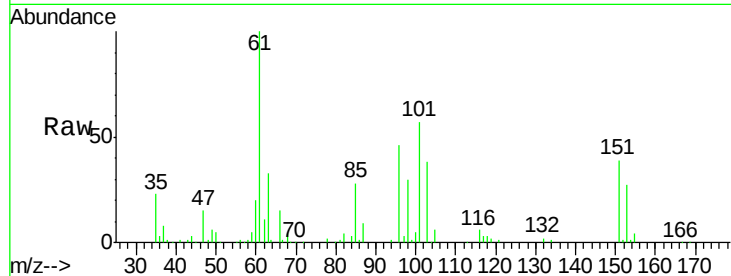




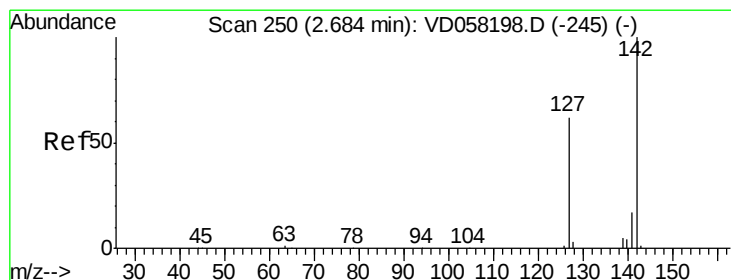
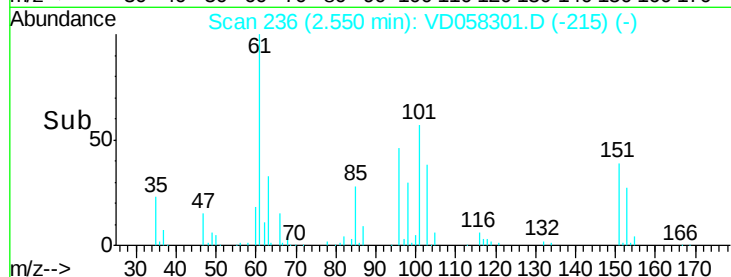
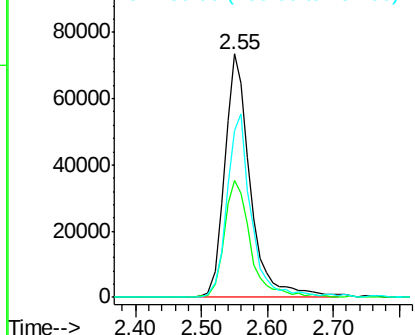
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 81.651 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

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

Tot Ion	Ratio	Lower	Upper
101	100		
85	48.3	39.0	58.4
151	68.6	61.8	92.8

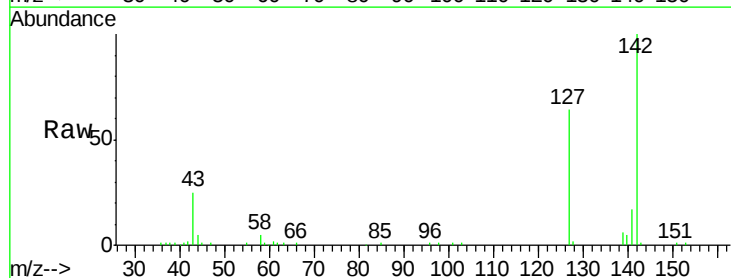


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

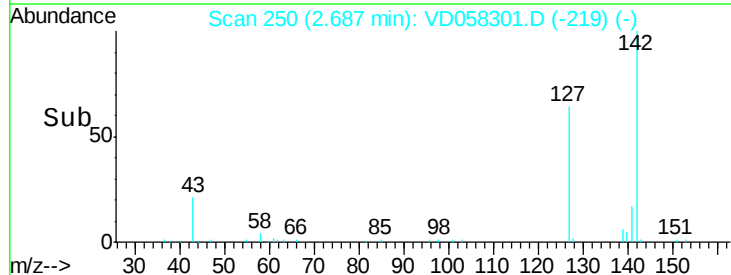
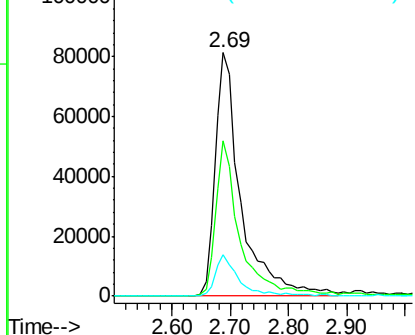


#10
 Methyl Iodide
 Concen: 89.476 ug/l
 RT: 2.69 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

Tgt Ion	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



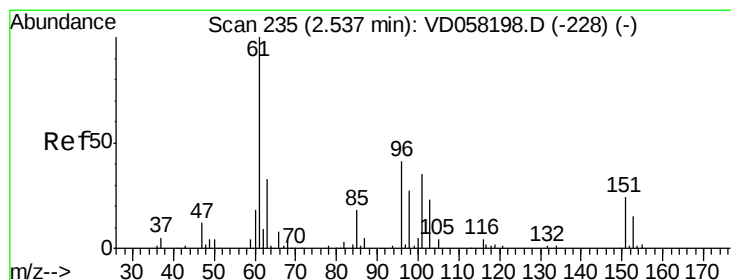
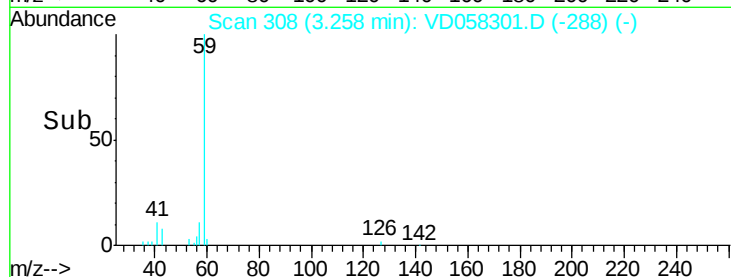
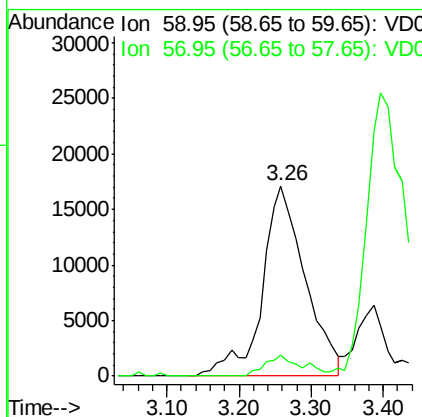
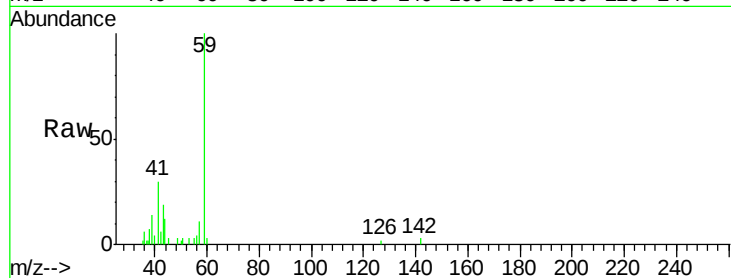


#11

Tert butyl alcohol
 Concen: 394.125 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

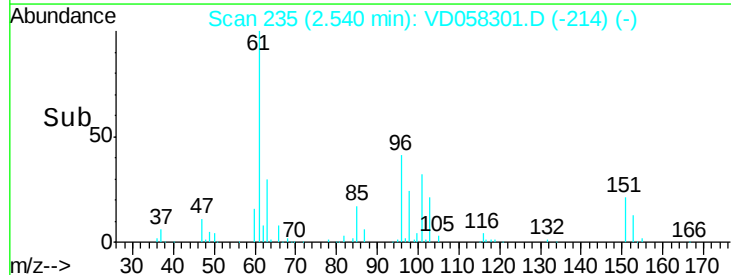
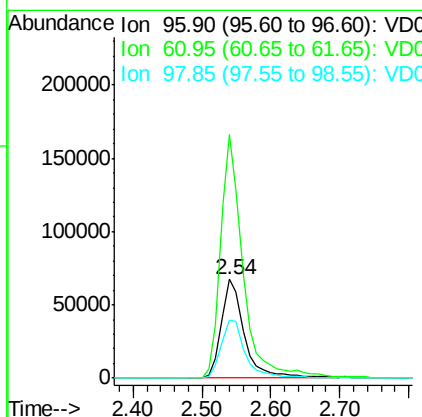
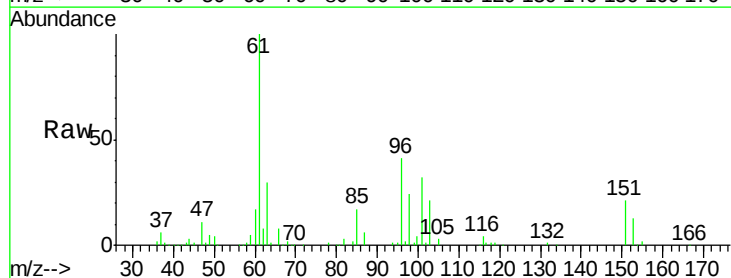
Tot Ion: 59 Resp: 70487
 Ion Ratio Lower Upper
 59 100
 57 10.9 6.2 9.4#

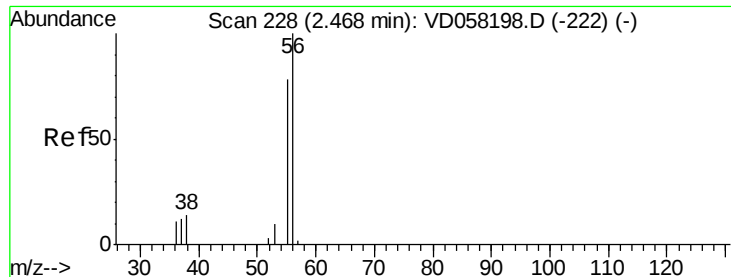


#12

1,1-Dichloroethene
 Concen: 85.179 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: 174.759 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 :

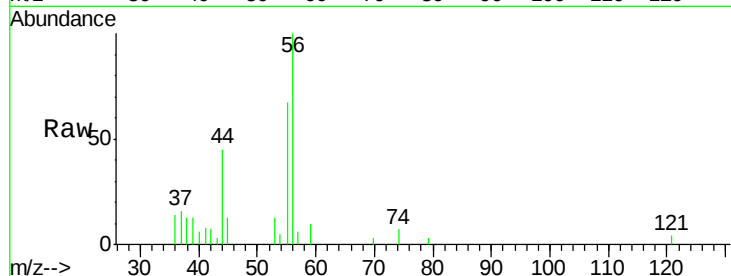
WP021SB472-13-15-180618MSD

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

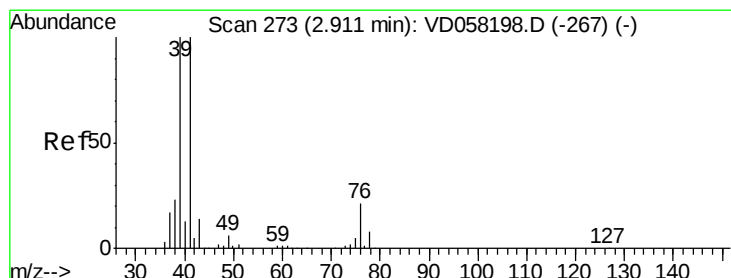
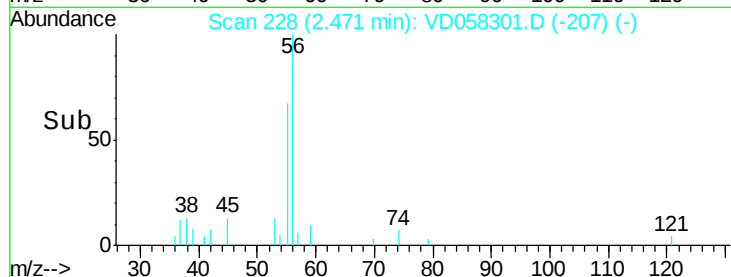
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#14

Allyl chloride

Concen: 87.775 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

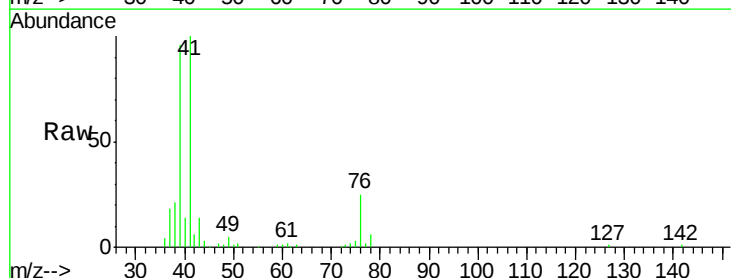
Tgt Ion: 41 Resp: 376792

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

250000

200000

150000

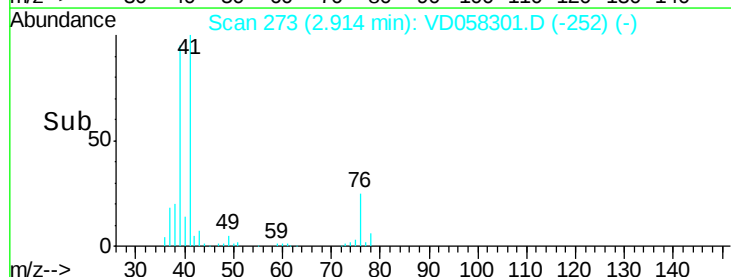
100000

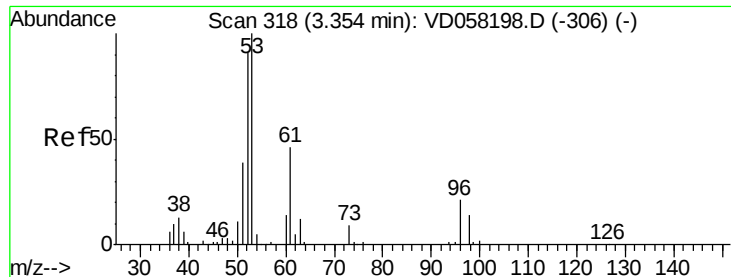
50000

0

Time-->

2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 389.338 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

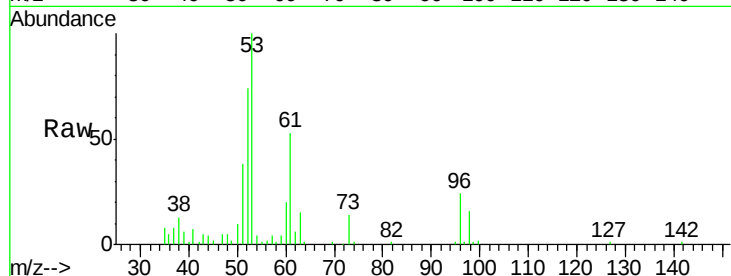
Tot Ion: 53 Resp: 184629

Ion Ratio Lower Upper

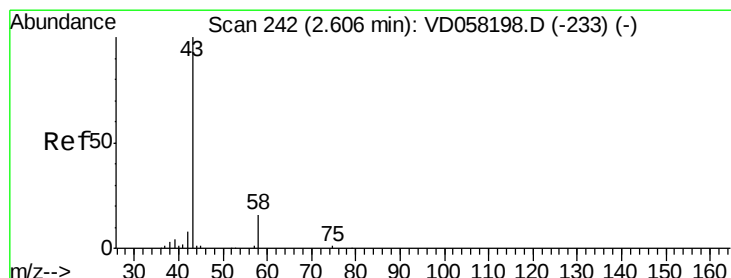
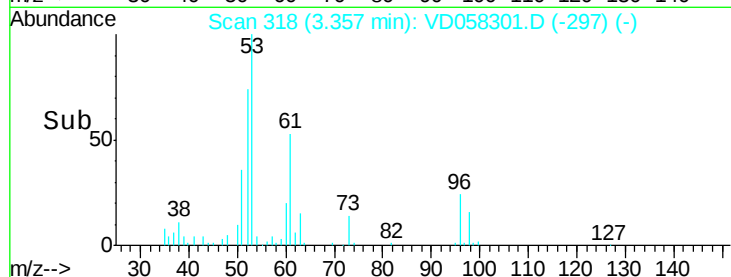
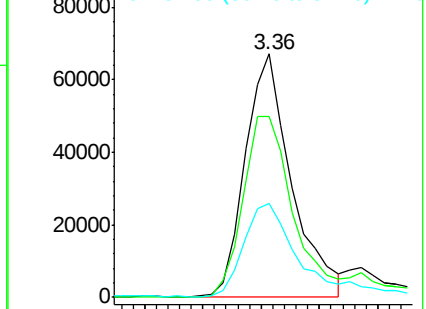
53 100

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: 1213.744 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058301.D

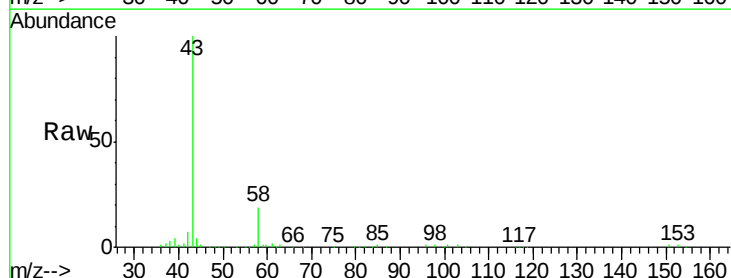
Acq: 22 Jun 2018 17:26

Tgt Ion: 43 Resp: 900077

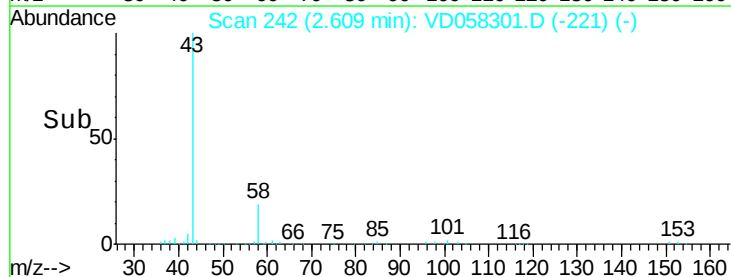
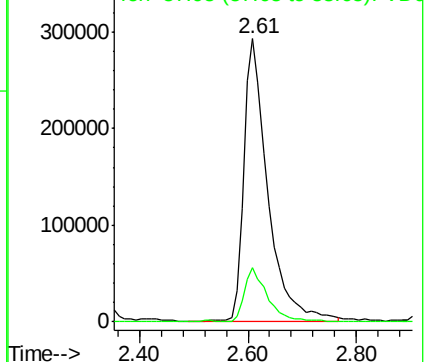
Ion Ratio Lower Upper

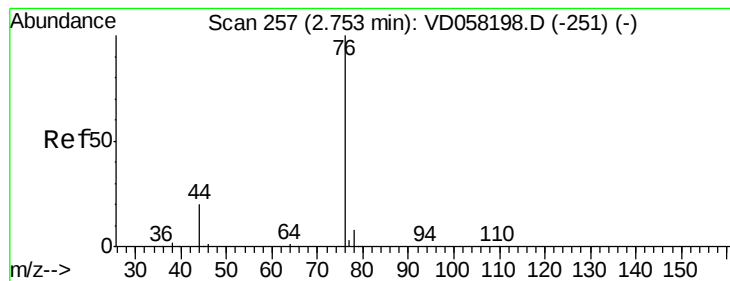
43 100

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: 77.395 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 :

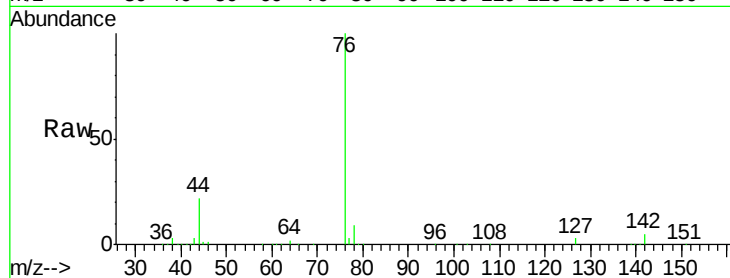
WP021SB472-13-15-180618MSD

Tot Ion: 76 Resp: 485654

Ion Ratio Lower Upper

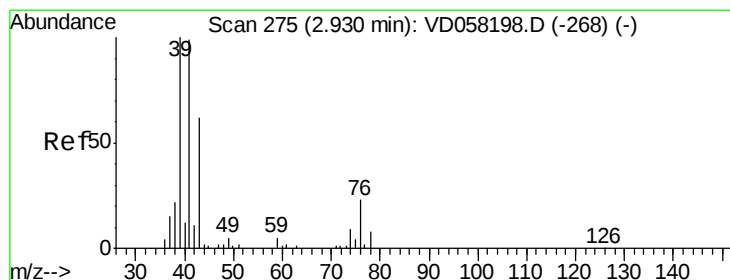
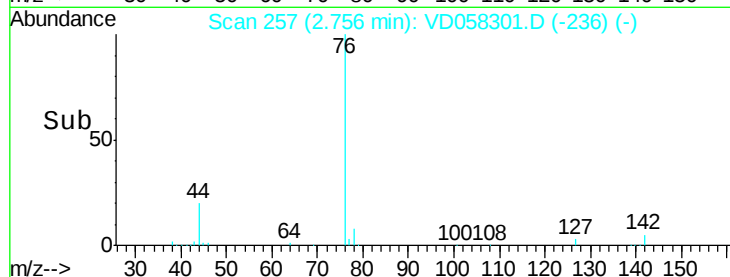
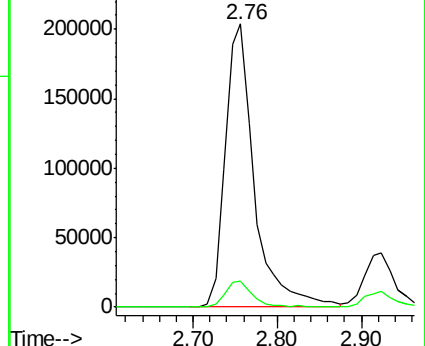
76 100

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: 70.997 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD058301.D

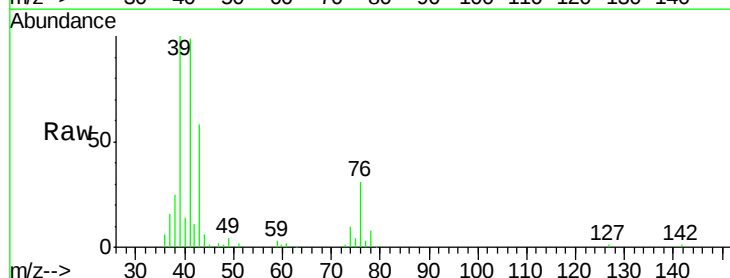
Acq: 22 Jun 2018 17:26

Tgt Ion: 43 Resp: 112284

Ion Ratio Lower Upper

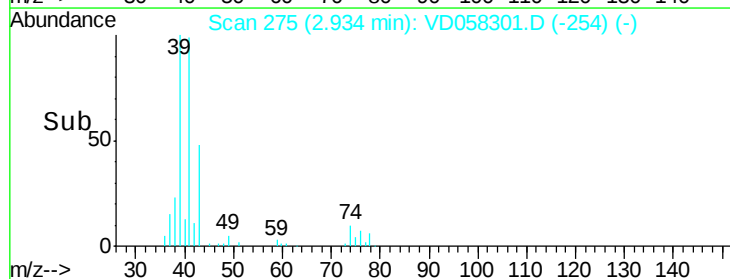
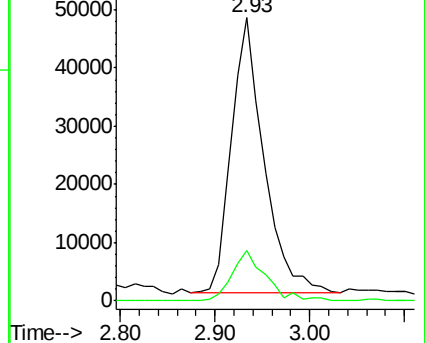
43 100

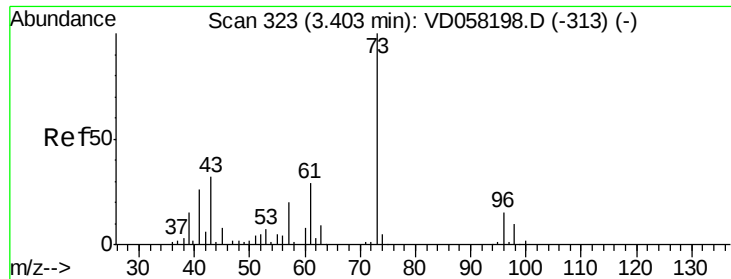
74 17.7 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



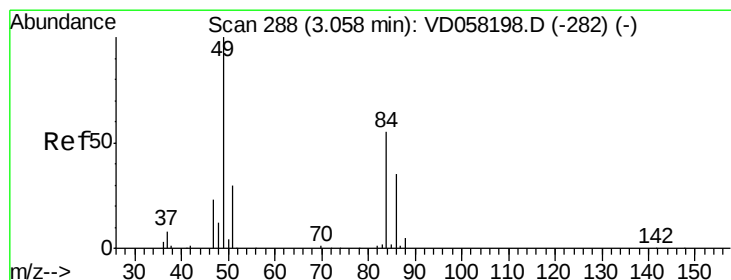
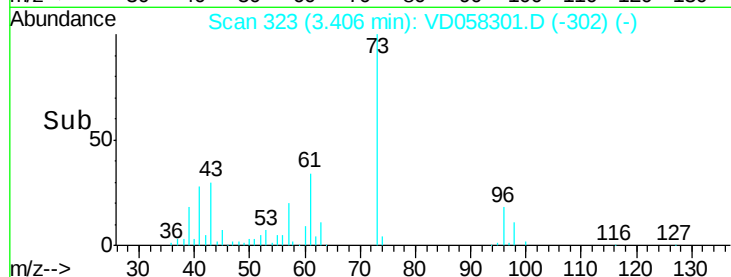
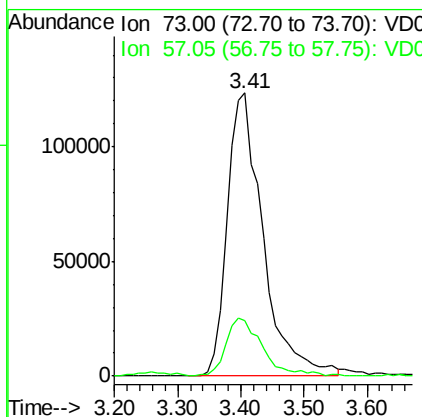
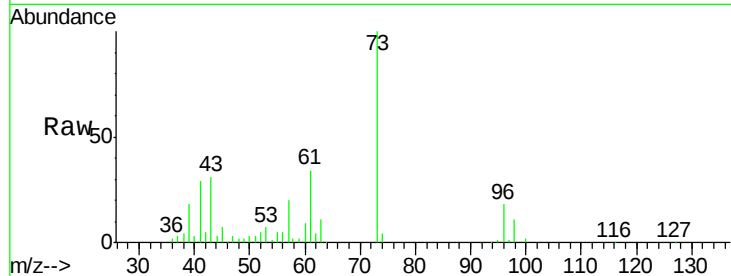


#19

Methyl tert-butyl Ether
Concen: 98.595 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

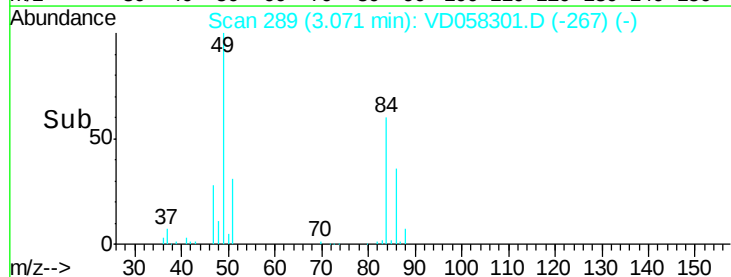
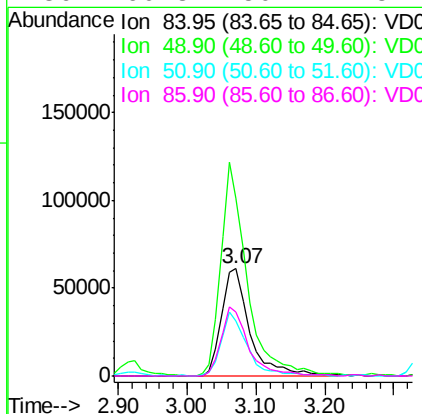
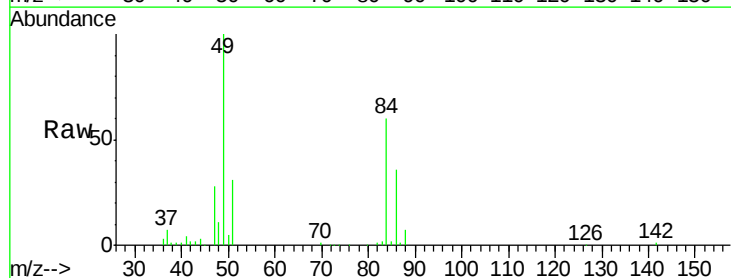
Tot Ion: 73 Resp: 482314
Ion Ratio Lower Upper
73 100
57 19.7 16.6 24.8

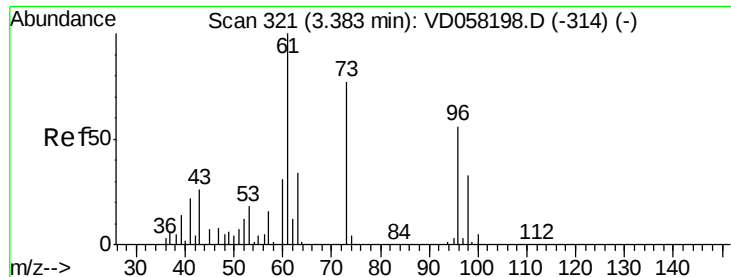


#20

Methylene Chloride
Concen: 94.481 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: 92.525 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

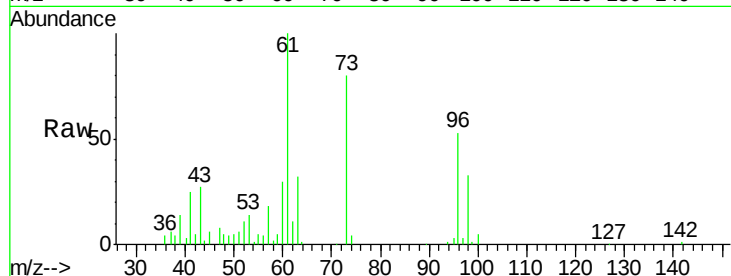
Tot Ion: 96 Resp: 186504

Ion Ratio Lower Upper

96 100

61 190.0 143.8 215.6

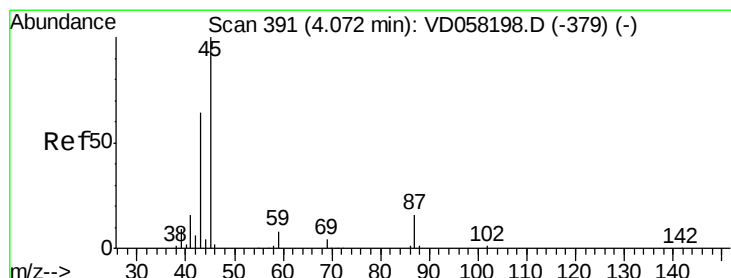
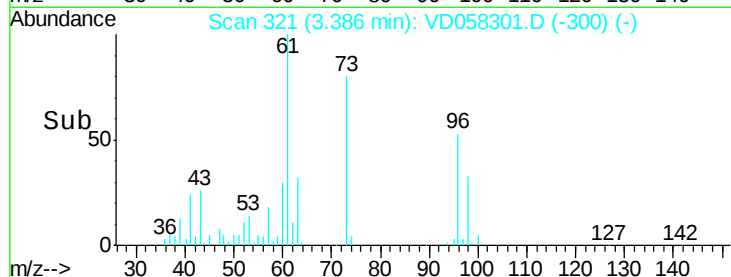
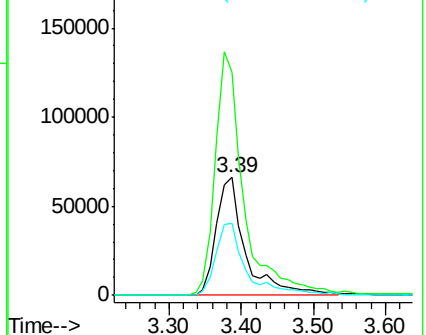
98 61.8 48.0 72.0



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: 80.330 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

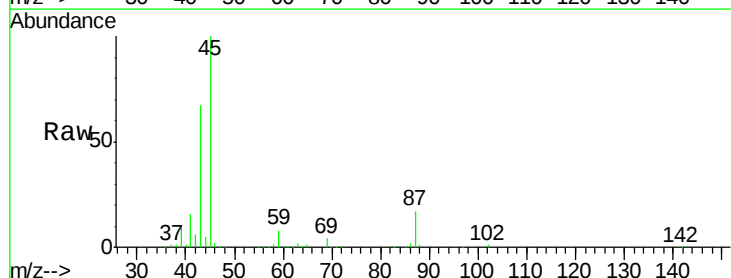
Ion Ratio Lower Upper

45 100

43 66.8 51.4 77.0

87 17.0 13.0 19.4

59 8.4 6.9 10.3

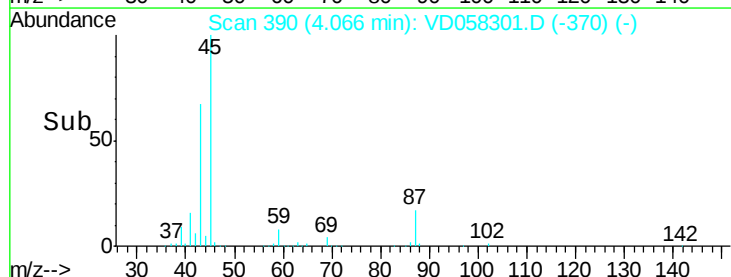
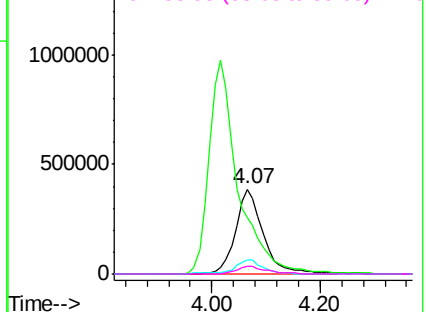


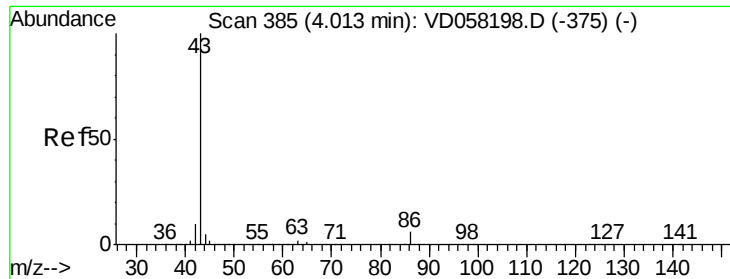
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 395.093 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 :

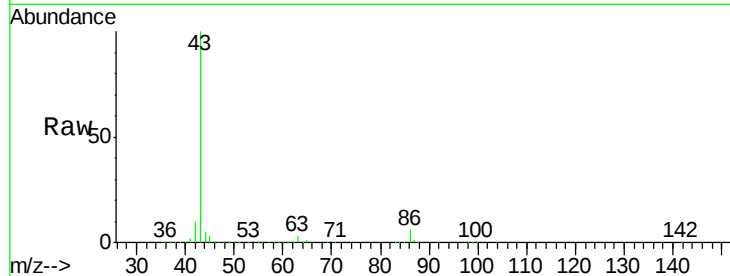
WP021SB472-13-15-180618MSD

Tot Ion: 43 Resp: 3610898

Ion Ratio Lower Upper

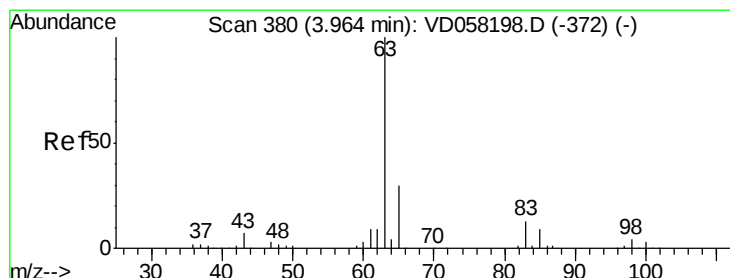
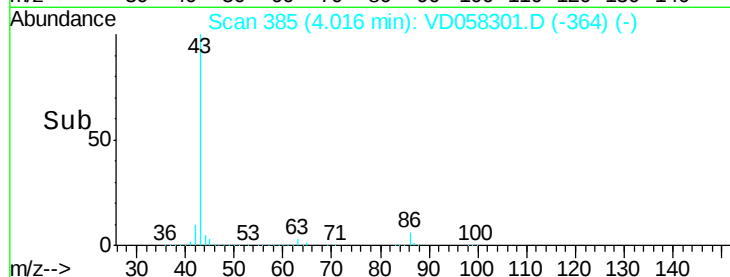
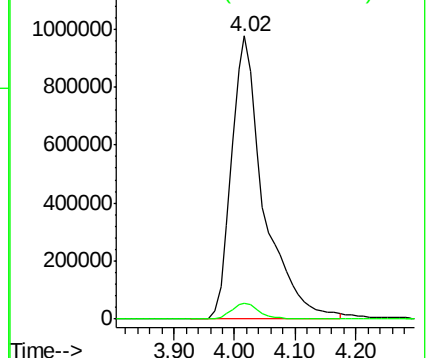
43 100

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: 85.074 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

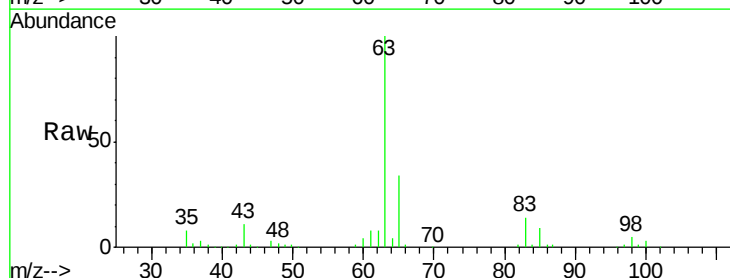
Tgt Ion: 63 Resp: 781410

Ion Ratio Lower Upper

63 100

98 5.0 1.9 5.7

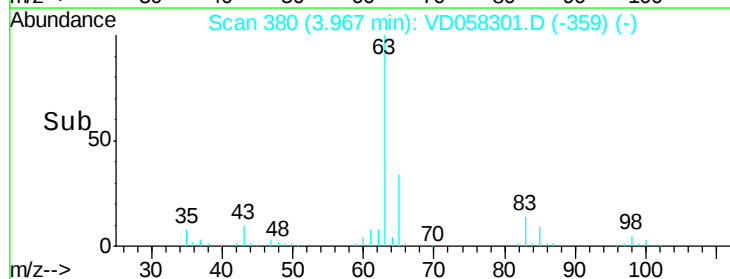
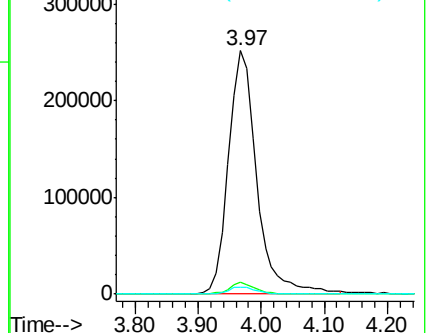
100 2.7 1.3 3.9

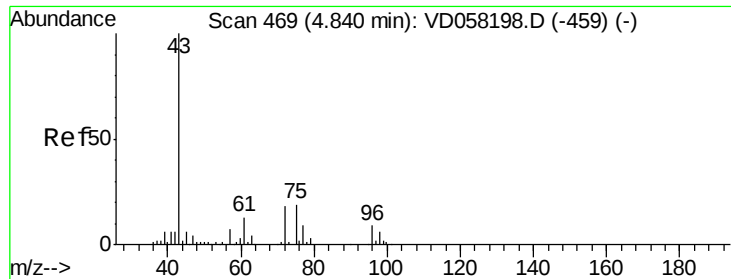


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 683.684 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 :

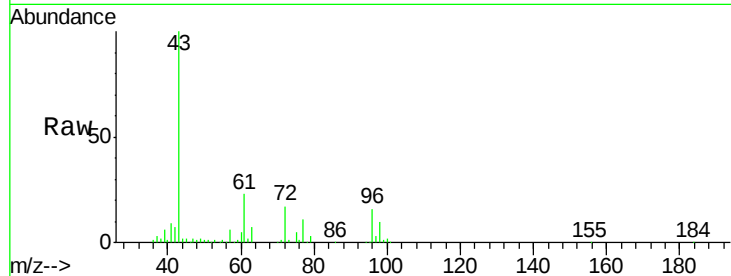
WP021SB472-13-15-180618MSD

Tot Ion: 43 Resp: 1105021

Ion Ratio Lower Upper

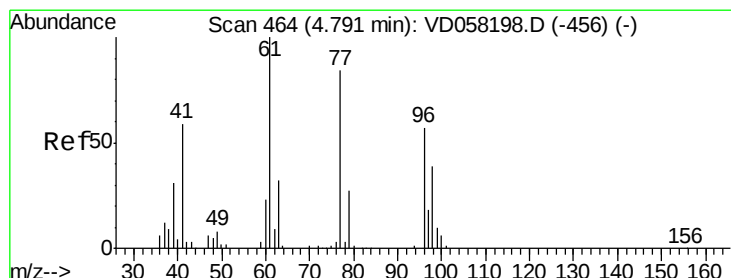
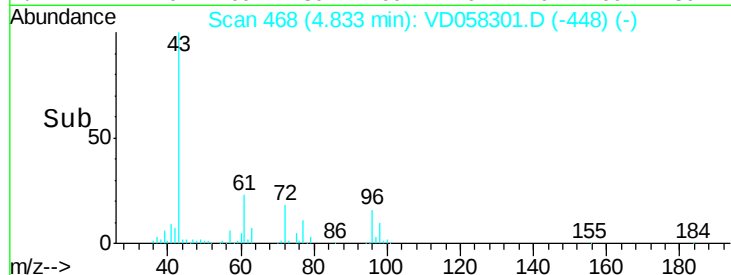
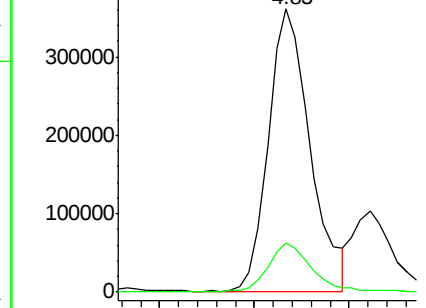
43 100

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: 83.035 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058301.D

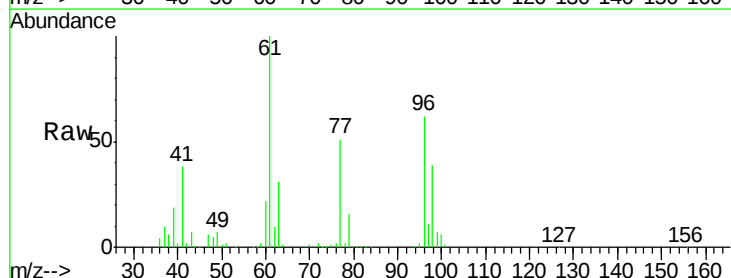
Acq: 22 Jun 2018 17:26

Tgt Ion: 77 Resp: 638618

Ion Ratio Lower Upper

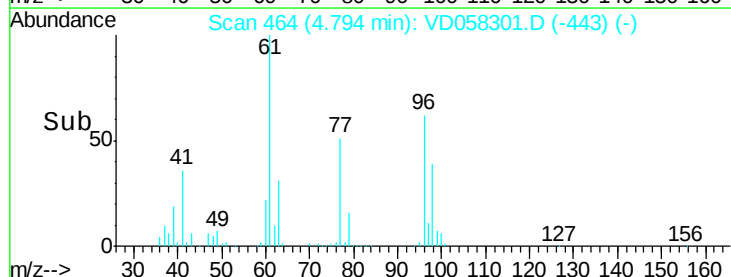
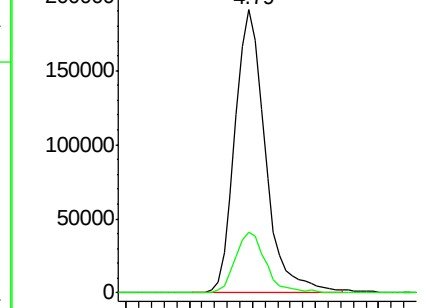
77 100

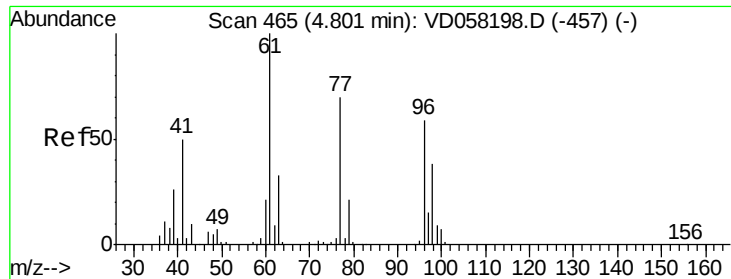
97 21.3 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



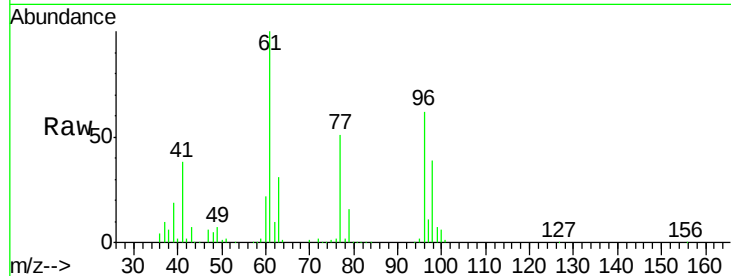


#27

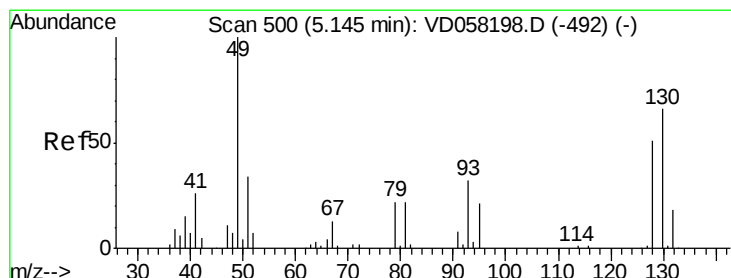
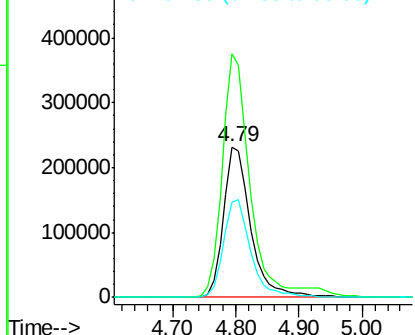
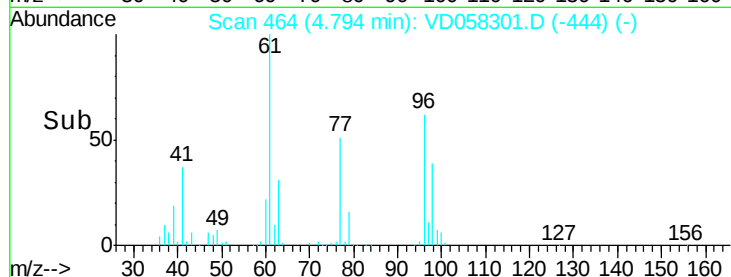
cis-1,2-Dichloroethene
 Concen: 137.452 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

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



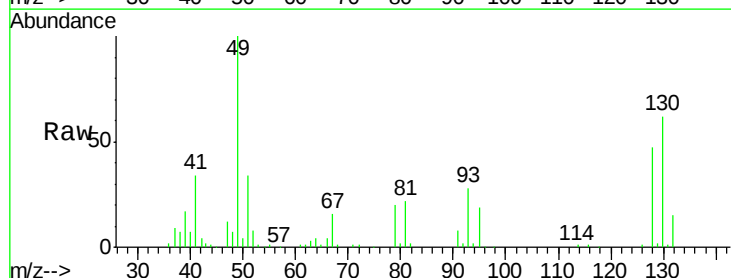
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



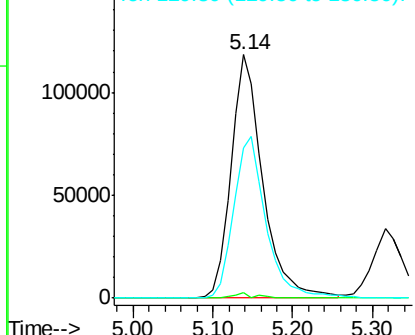
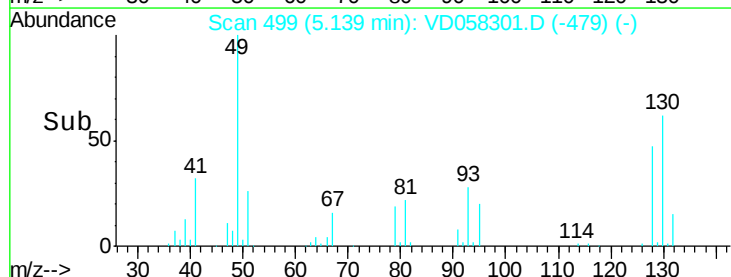
#28

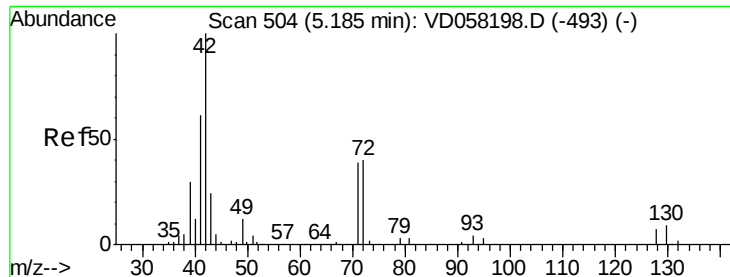
Bromochloromethane
 Concen: 79.282 ug/l
 RT: 5.14 min Scan# 499
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

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

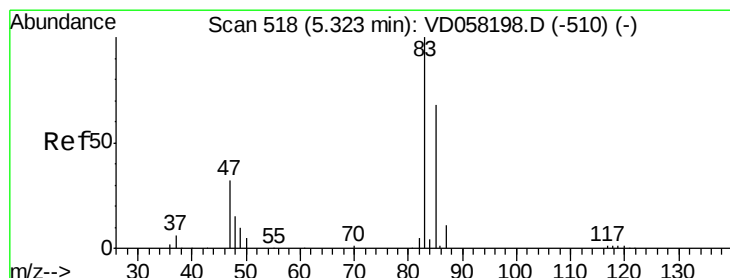
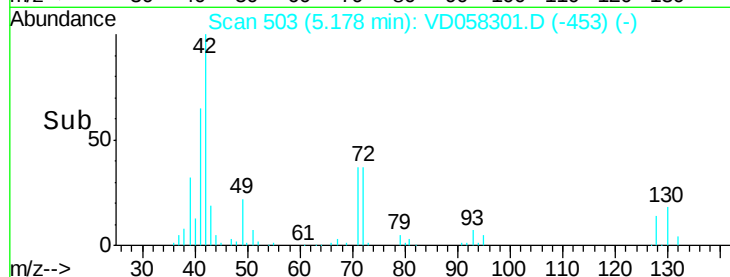
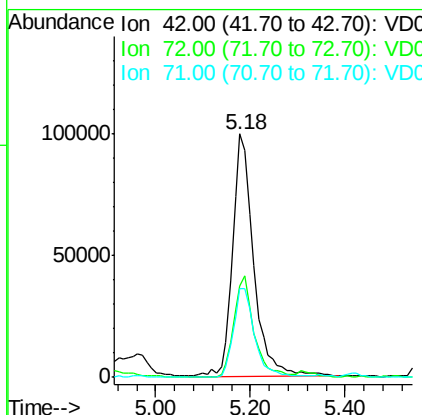
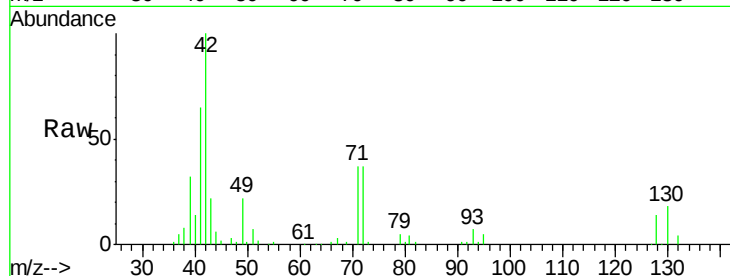




#29
Tetrahydrofuran
Concen: 358.609 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

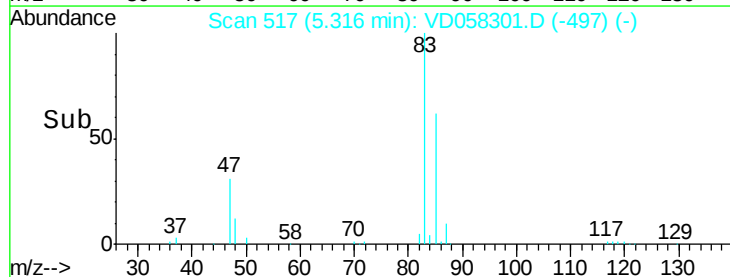
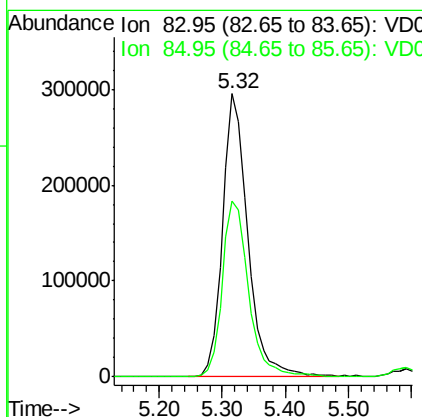
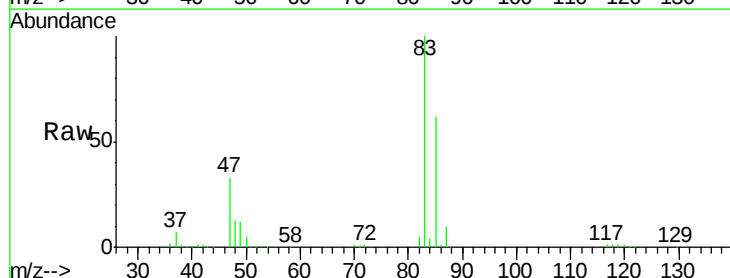
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

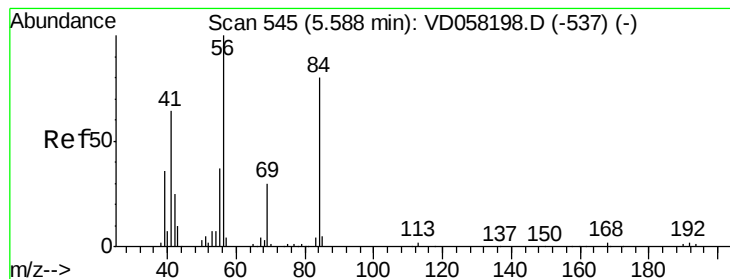
Tot Ion: 42 Resp: 308513
Ion Ratio Lower Upper
42 100
72 39.9 30.2 45.2
71 36.3 30.1 45.1



#30
Chloroform
Concen: 84.704 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: 83 Resp: 821359
Ion Ratio Lower Upper
83 100
85 62.3 54.8 82.2





#31

Cyclohexane

Concen: 86.657 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

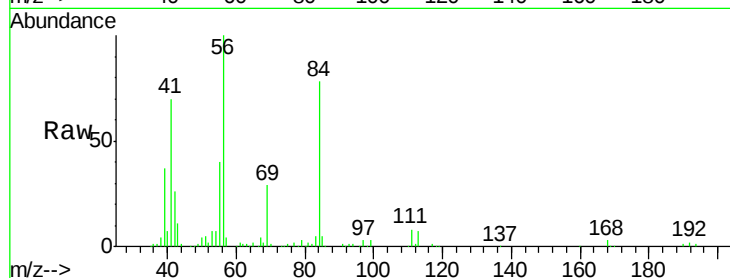
Tot Ion: 56 Resp: 552342

Ion Ratio Lower Upper

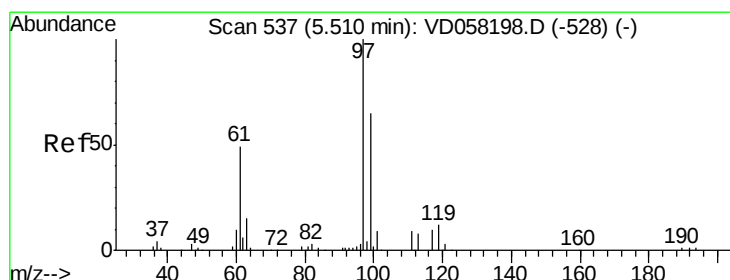
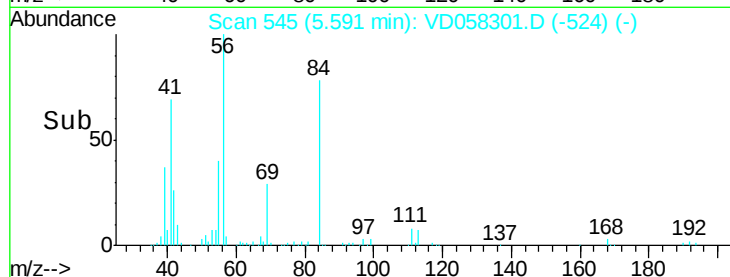
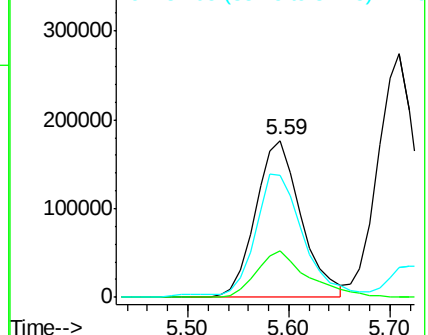
56 100

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: 83.183 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

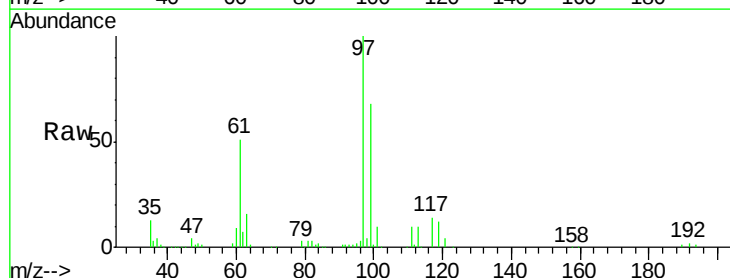
Tgt Ion: 97 Resp: 666441

Ion Ratio Lower Upper

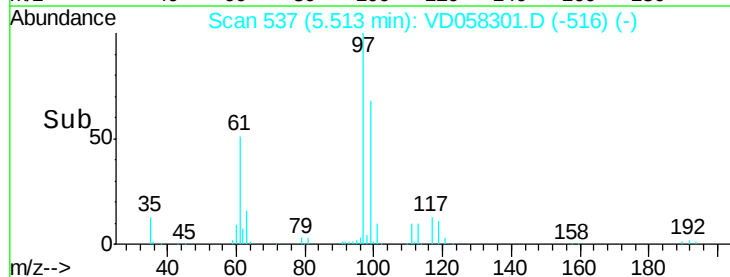
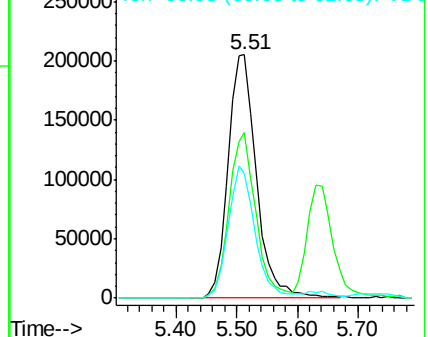
97 100

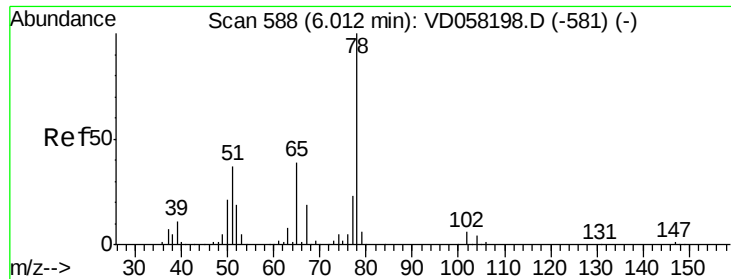
99 67.9 52.2 78.4

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: 83.183 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 :

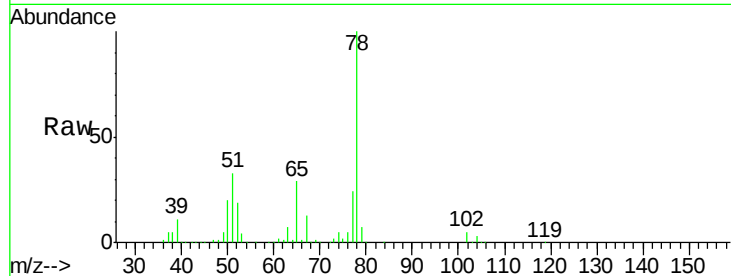
WP021SB472-13-15-180618MSD

Tot Ion: 65 Resp: 353156

Ion Ratio Lower Upper

65 100

67 46.6 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.01

150000

100000

50000

0

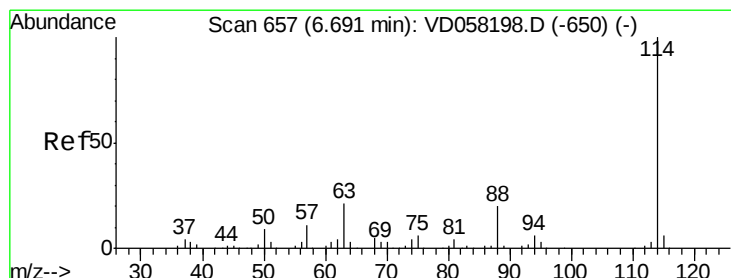
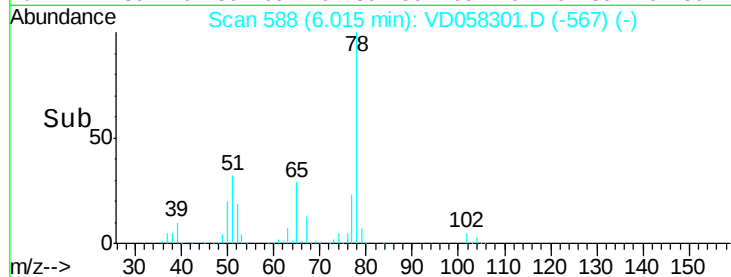
Time-->

5.90

6.00

6.10

6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

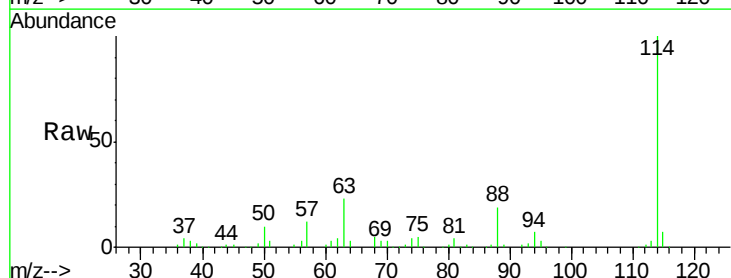
Tgt Ion: 114 Resp: 746850

Ion Ratio Lower Upper

114 100

63 23.4 0.0 42.6

88 19.5 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.68

400000

300000

200000

100000

0

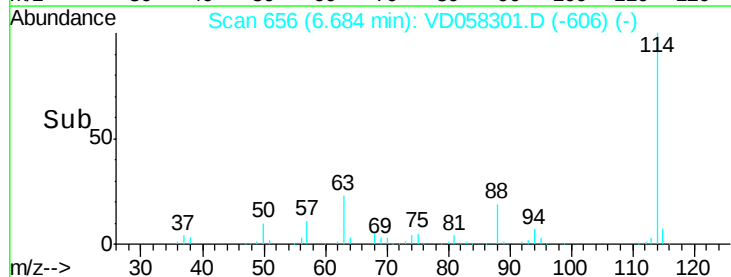
Time-->

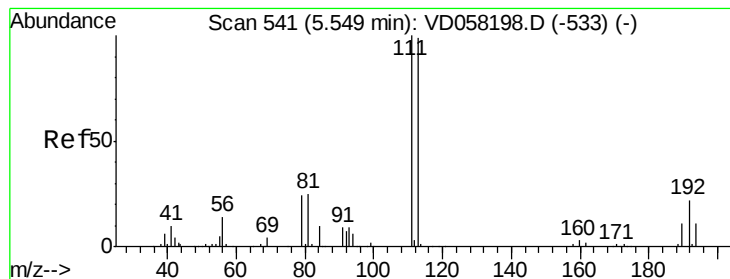
6.60

6.70

6.80

6.90





#35

Dibromofluoromethane

Concen: 50.000 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

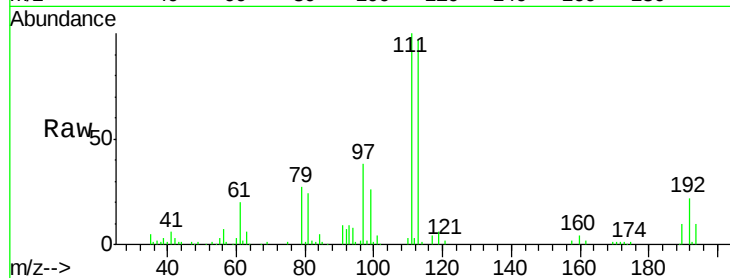
Tot Ion:113 Resp: 369598

Ion Ratio Lower Upper

113 100

111 103.5 80.6 121.0

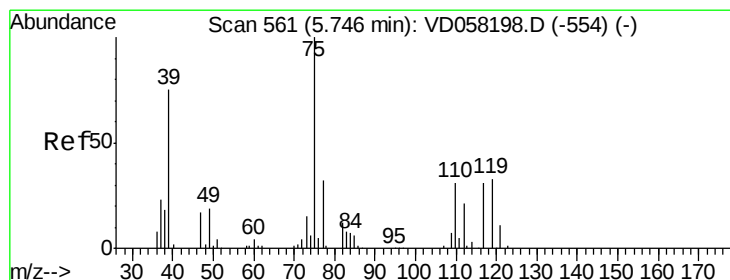
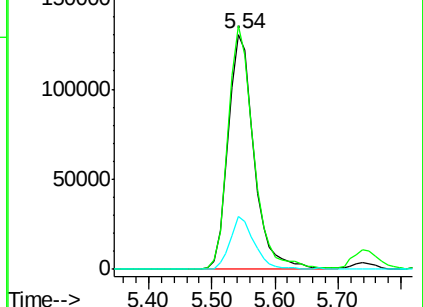
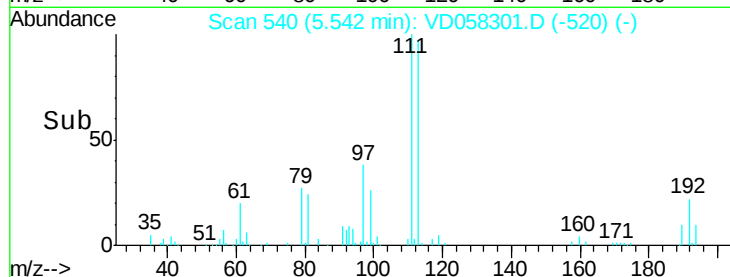
192 22.3 17.8 26.6



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: 73.749 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

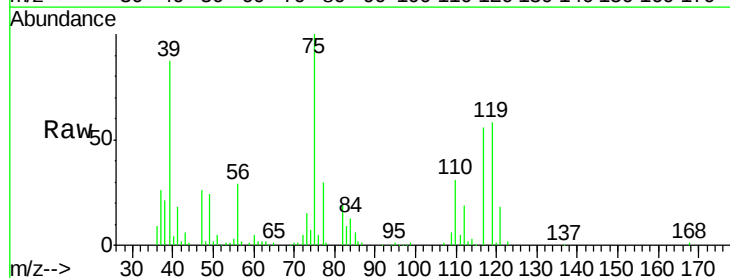
Tgt Ion: 75 Resp: 544881

Ion Ratio Lower Upper

75 100

110 31.1 15.4 46.4

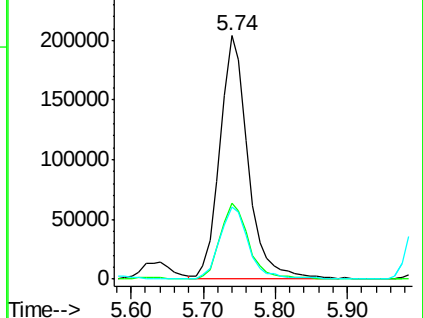
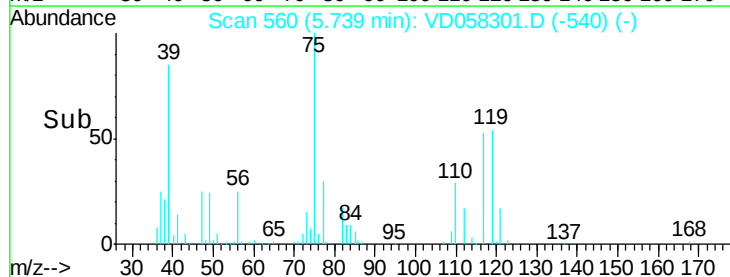
77 29.6 25.4 38.2

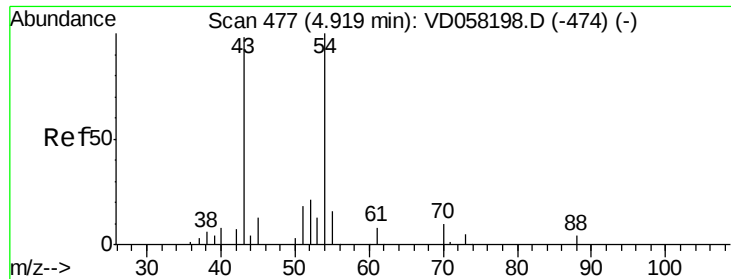


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

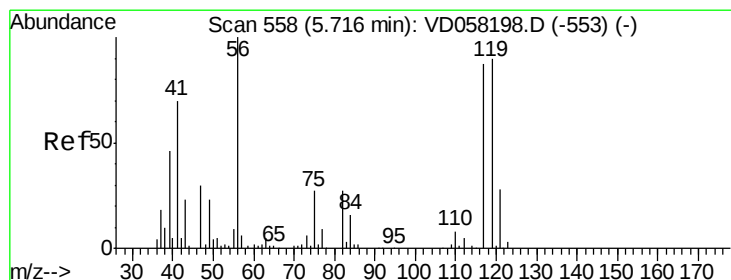
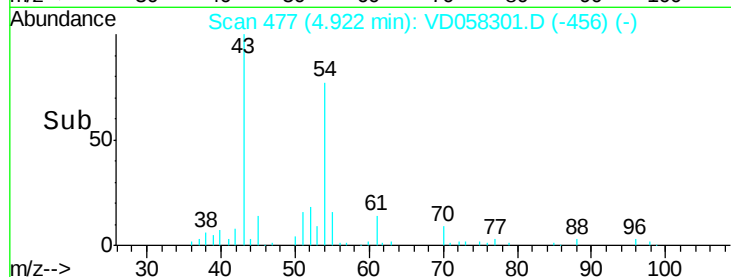
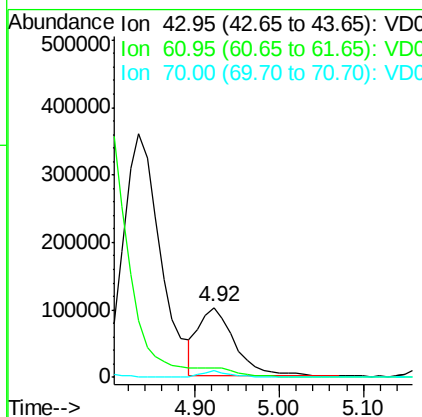
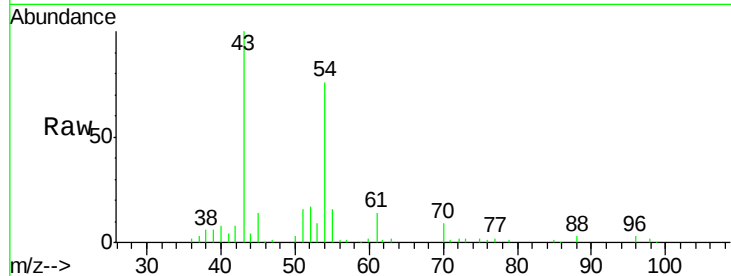




#37
Ethyl Acetate
Concen: 71.708 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

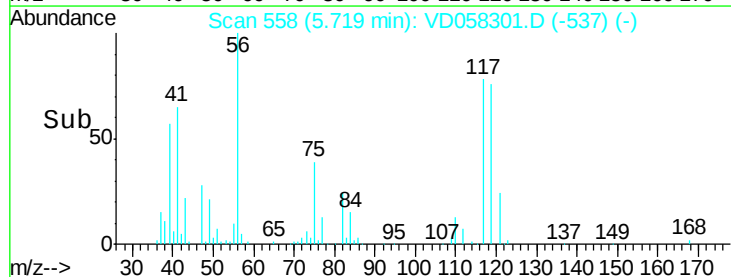
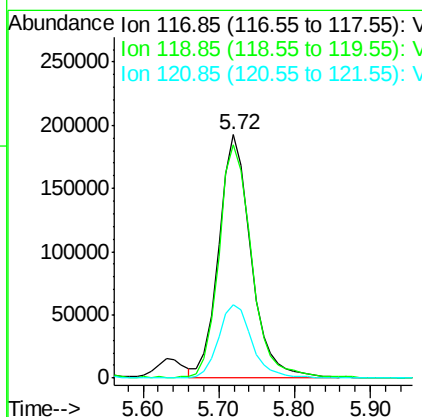
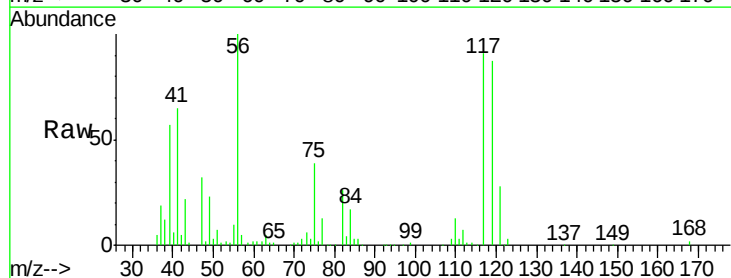
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

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#



#38
Carbon Tetrachloride
Concen: 76.818 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





#39

Methvlcvclohexane

Concen: 70.544 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

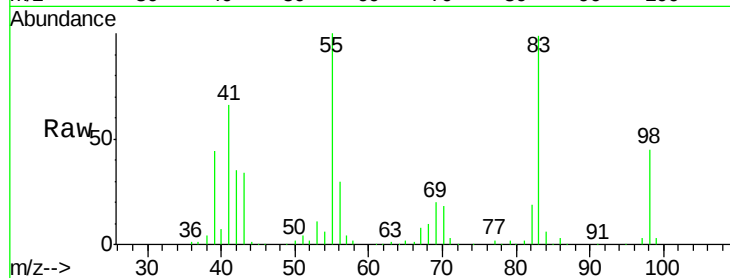
Tot Ion: 83 Resp: 507660

Ion Ratio Lower Upper

83 100

55 100.9 77.4 116.2

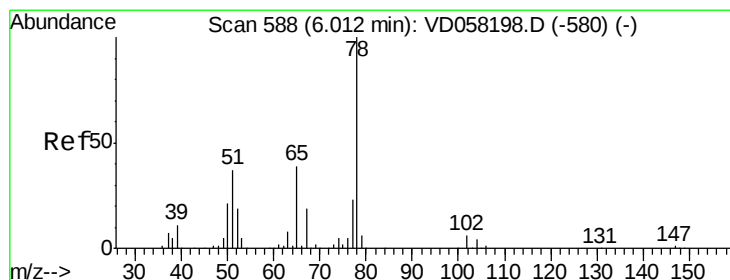
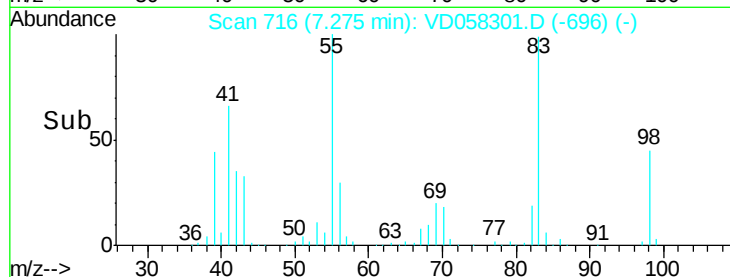
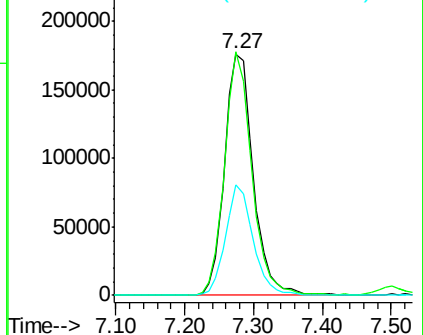
98 45.8 35.9 53.9



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: 76.712 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058301.D

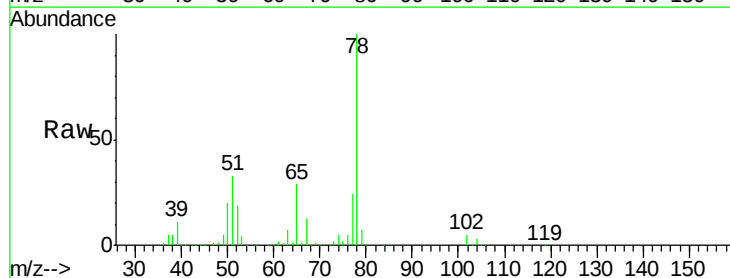
Acq: 22 Jun 2018 17:26

Tgt Ion: 78 Resp: 1350097

Ion Ratio Lower Upper

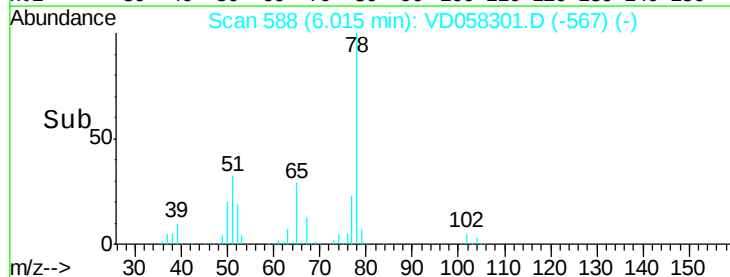
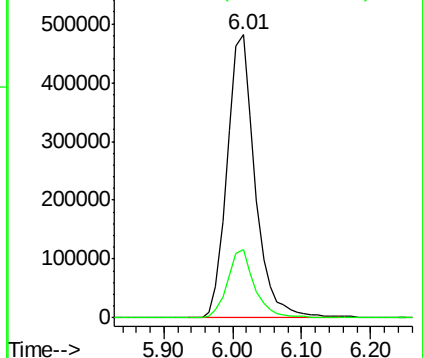
78 100

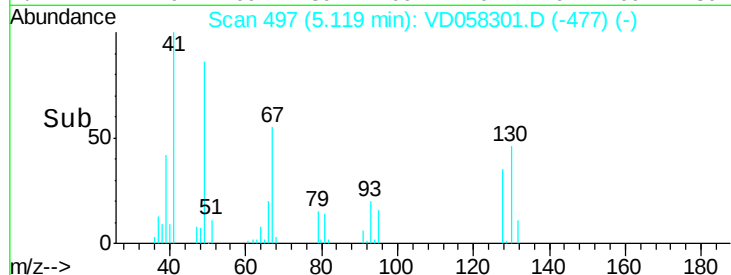
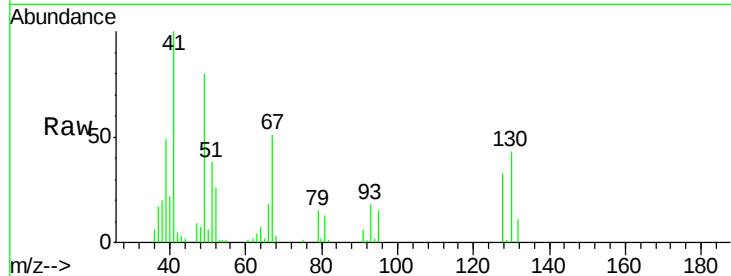
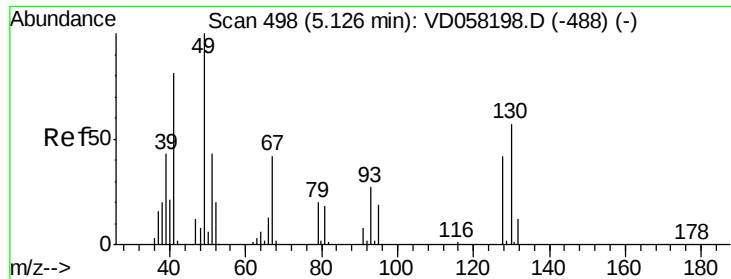
77 24.0 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 77.012 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

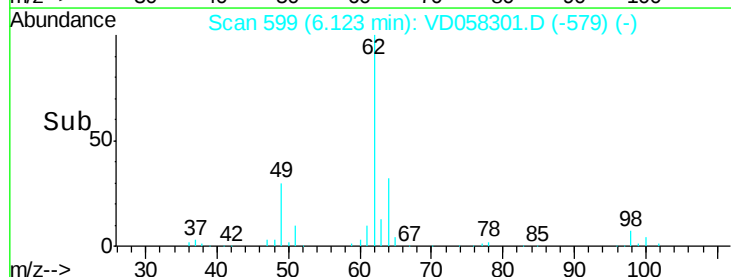
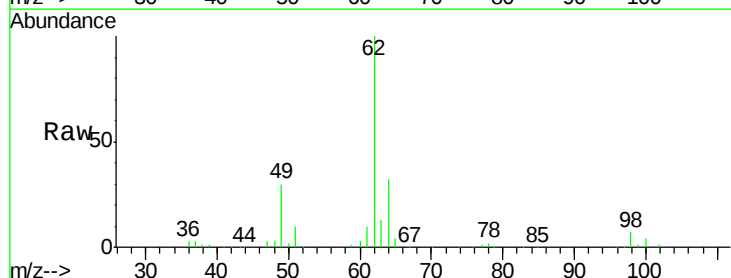
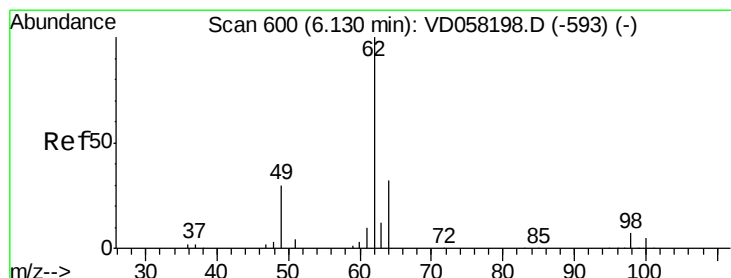
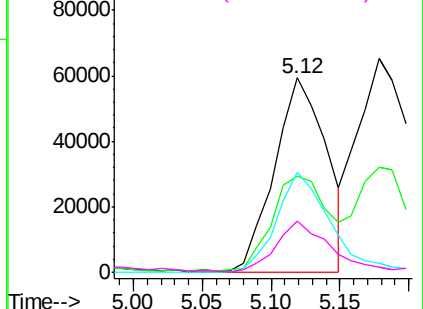
52 26.2 20.6 30.8

Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 78.520 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

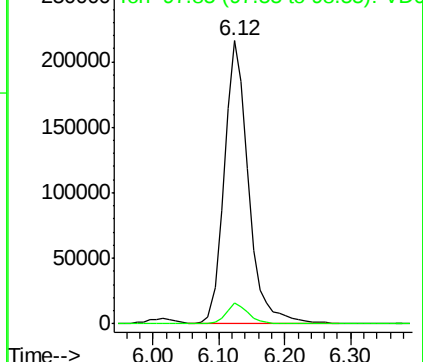
Ion Ratio Lower Upper

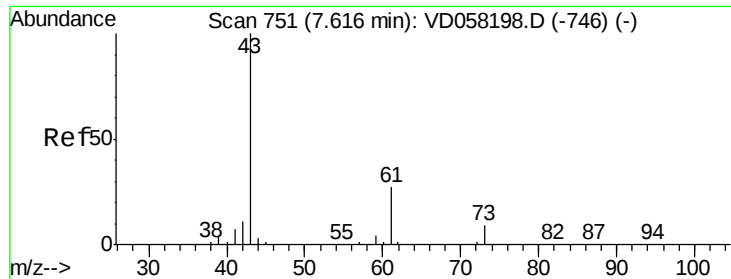
62 100

98 7.3 0.0 13.2

Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



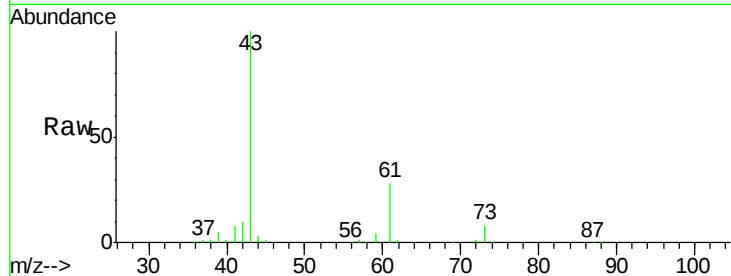


#43

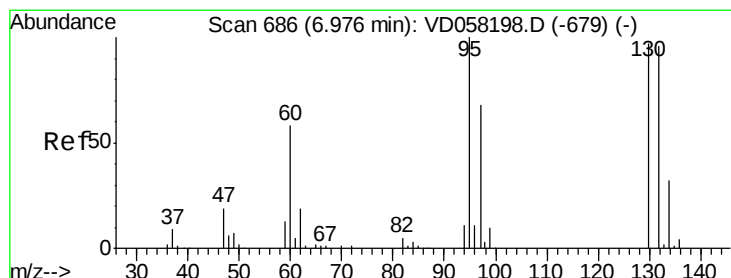
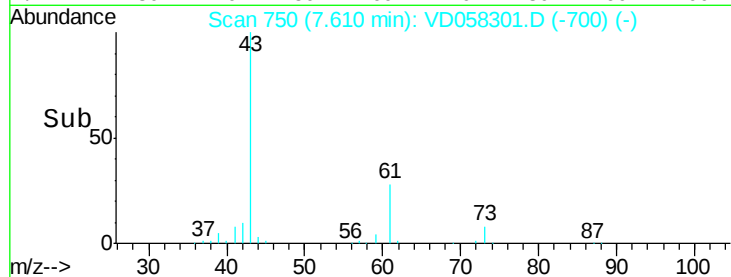
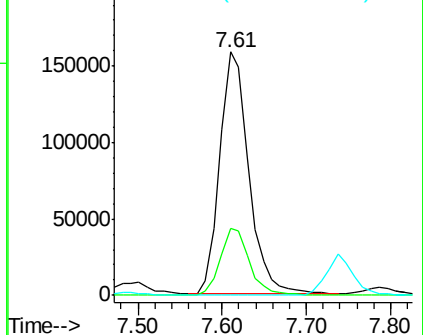
Isopropyl Acetate
 Concen: 67.205 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

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



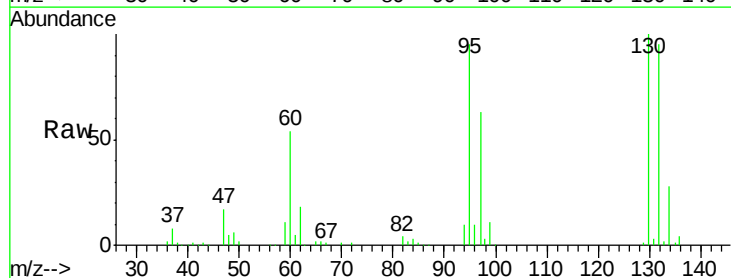
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



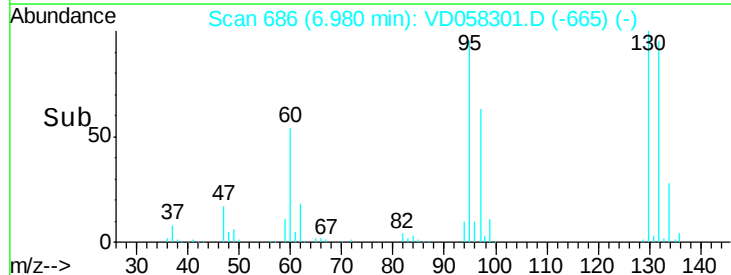
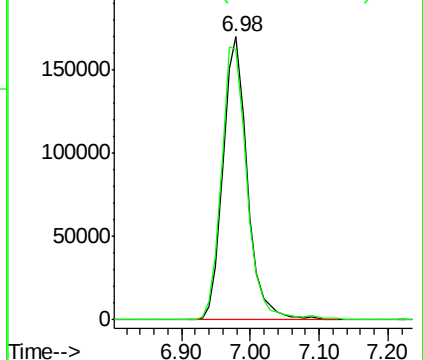
#44

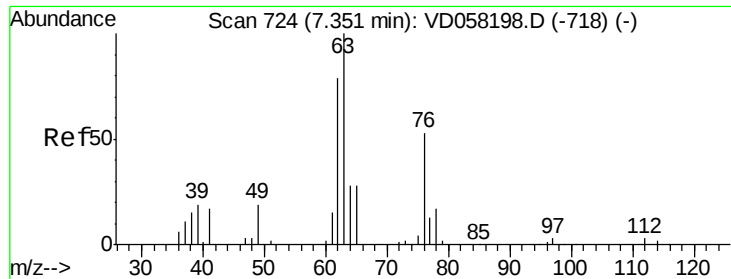
Trichloroethene
 Concen: 78.706 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

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): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 76.002 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 :

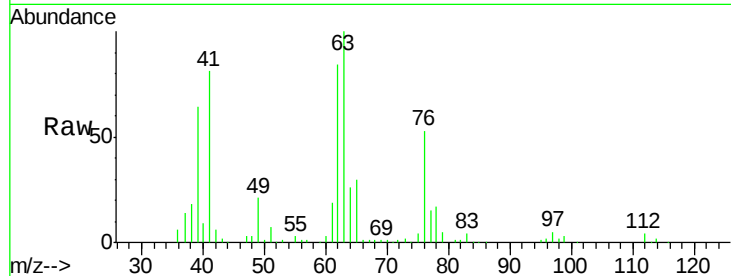
WP021SB472-13-15-180618MSD

Tot Ion: 63 Resp: 360236

Ion Ratio Lower Upper

63 100

65 29.8 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.34

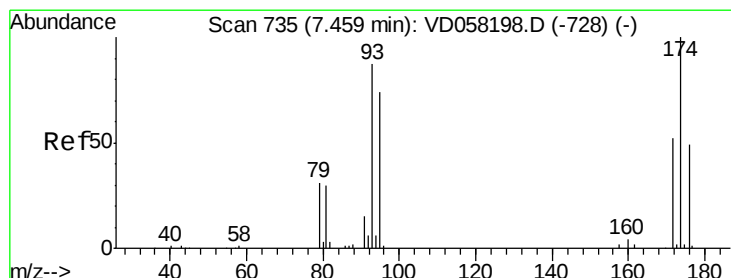
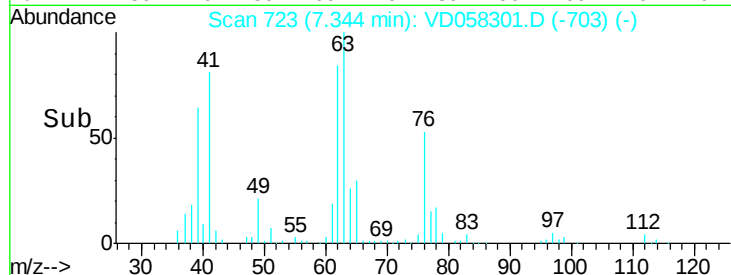
150000

100000

50000

0

Time--> 7.10 7.20 7.30 7.40 7.50



#46

Dibromomethane

Concen: 77.292 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

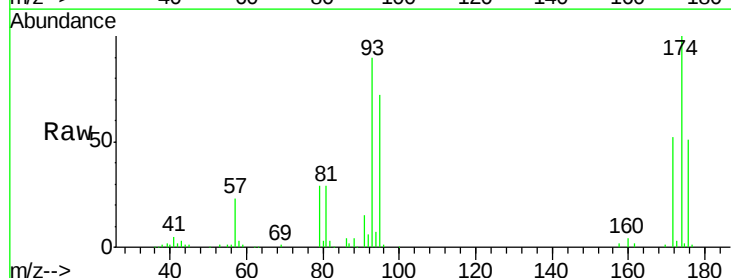
Tgt Ion: 93 Resp: 250091

Ion Ratio Lower Upper

93 100

95 79.3 67.8 101.6

174 110.8 92.2 138.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

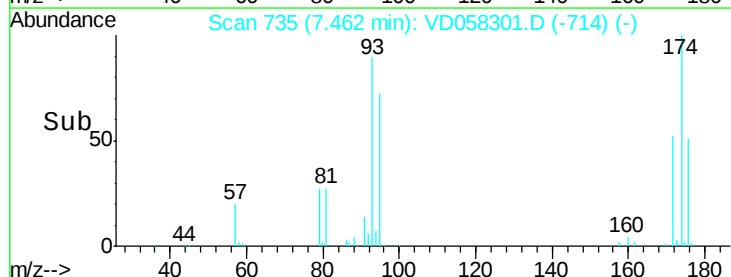
150000

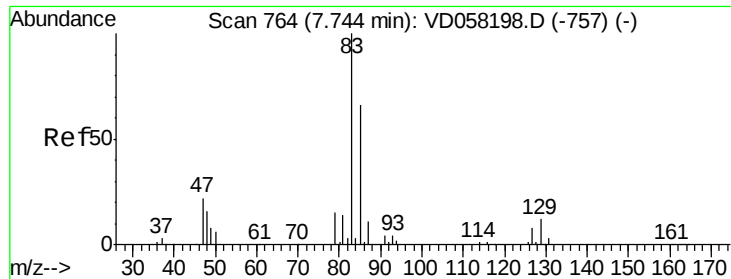
100000

50000

0

Time--> 7.30 7.40 7.50 7.60





#47

Bromodichloromethane

Concen: 77.747 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

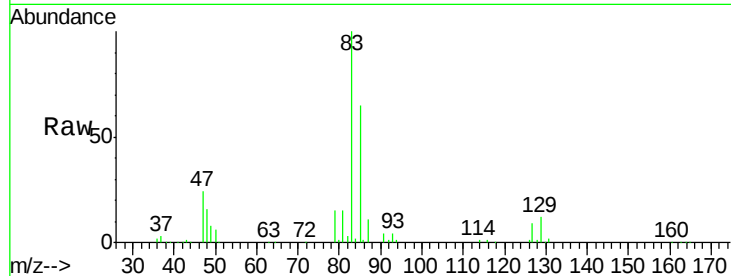
Tot Ion: 83 Resp: 573663

Ion Ratio Lower Upper

83 100

85 65.5 52.6 78.8

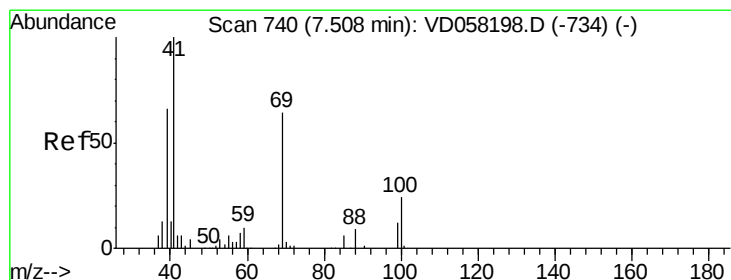
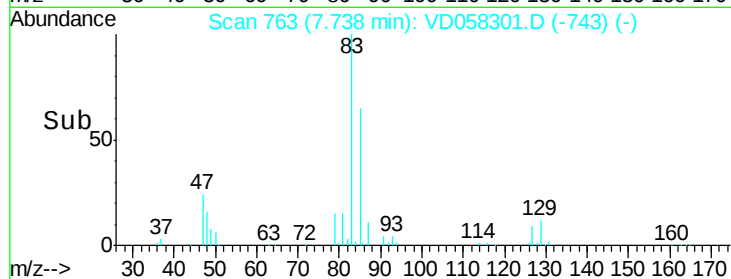
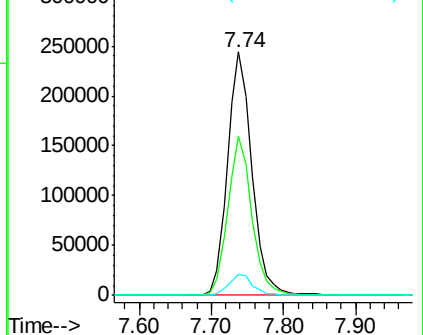
127 8.6 6.2 9.4



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: 70.015 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

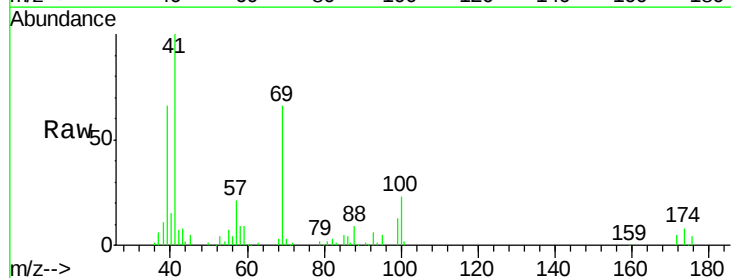
Tgt Ion: 41 Resp: 238818

Ion Ratio Lower Upper

41 100

69 66.3 50.7 76.1

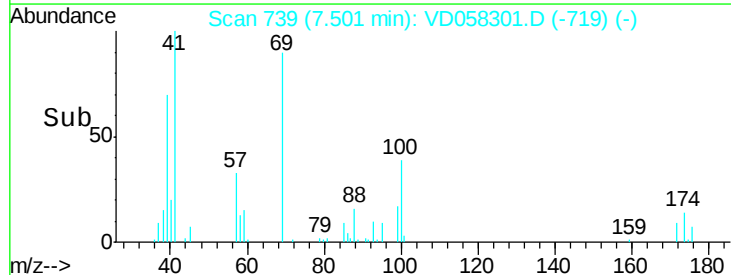
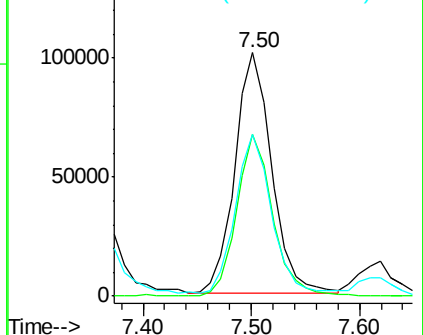
39 66.5 52.6 78.8

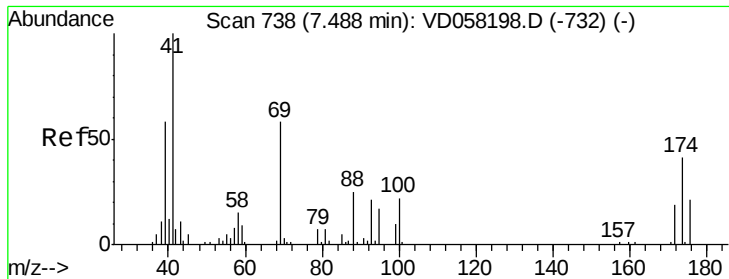


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1450.899 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

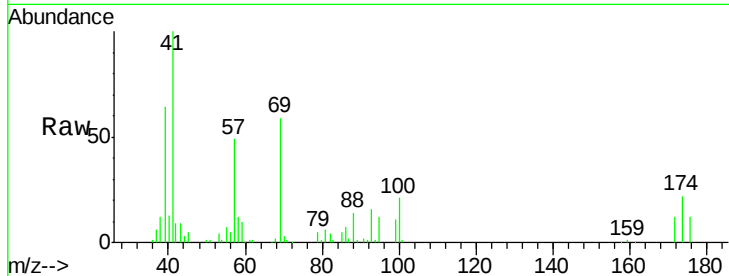
Tot Ion: 88 Resp: 44673

Ion Ratio Lower Upper

88 100

43 61.4 34.2 51.2#

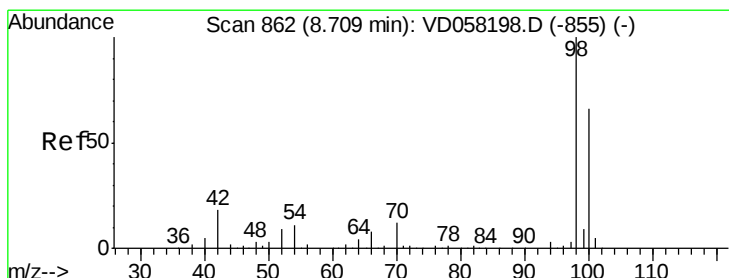
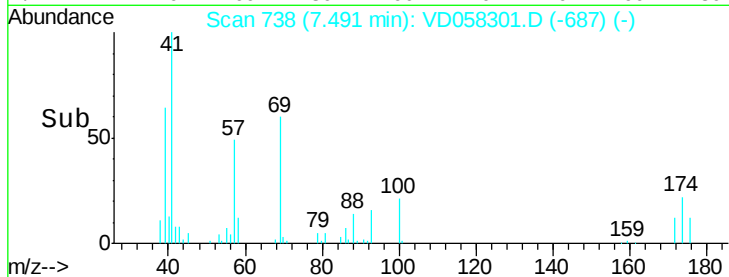
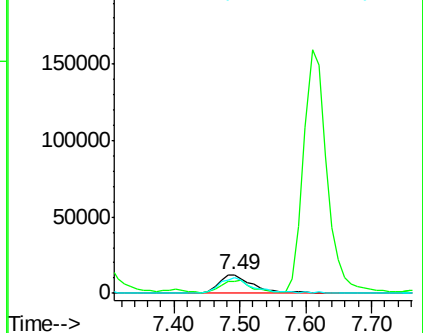
58 83.6 47.9 71.9#



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: 1450.899 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058301.D

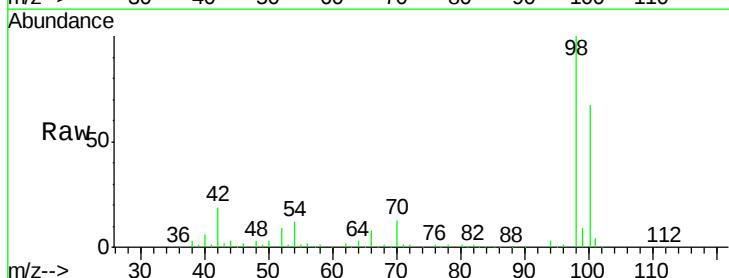
Acq: 22 Jun 2018 17:26

Tgt Ion: 98 Resp: 814986

Ion Ratio Lower Upper

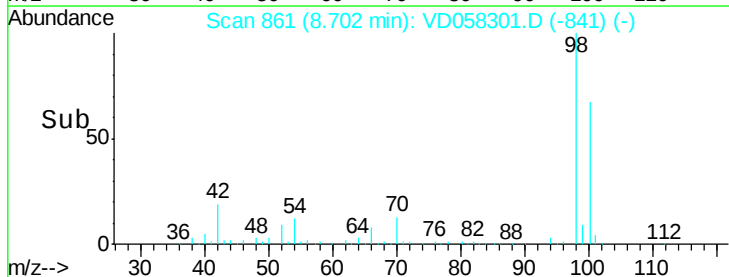
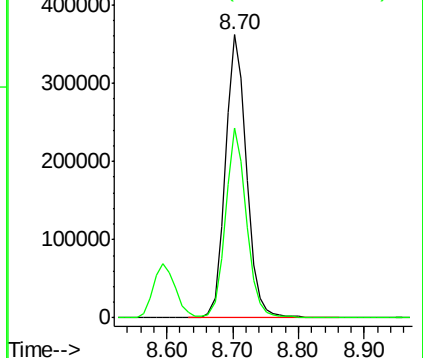
98 100

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: 489.813 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 :

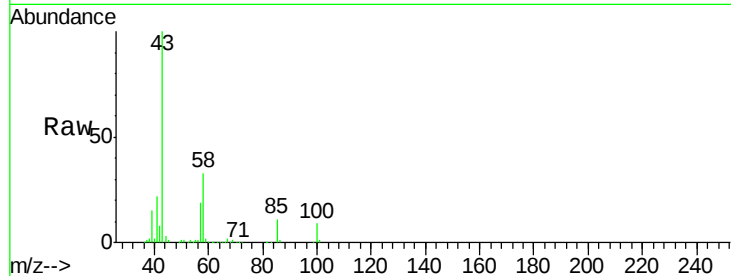
WP021SB472-13-15-180618MSD

Tot Ion: 43 Resp: 1793055

Ion Ratio Lower Upper

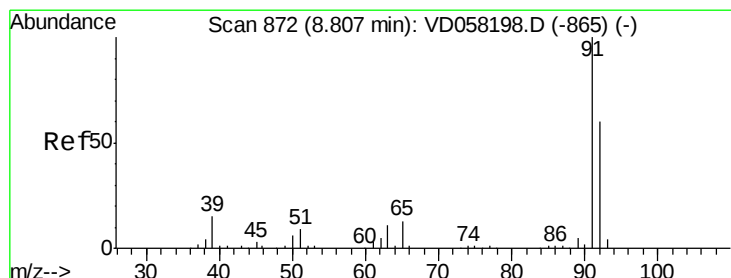
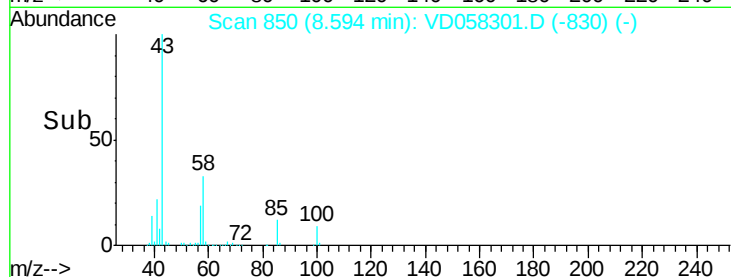
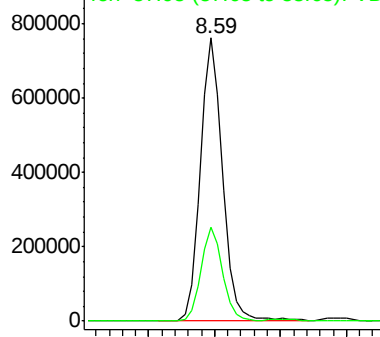
43 100

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: 83.179 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058301.D

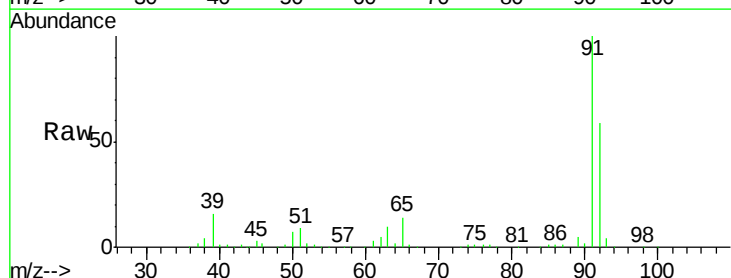
Acq: 22 Jun 2018 17:26

Tgt Ion: 92 Resp: 833578

Ion Ratio Lower Upper

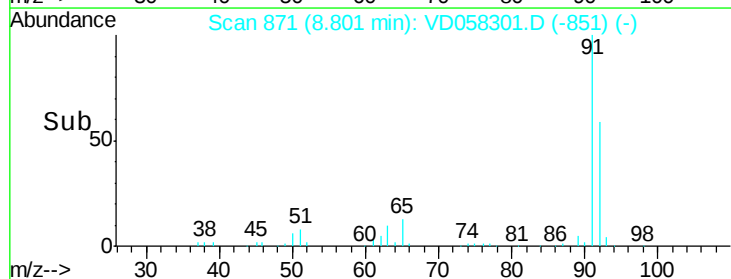
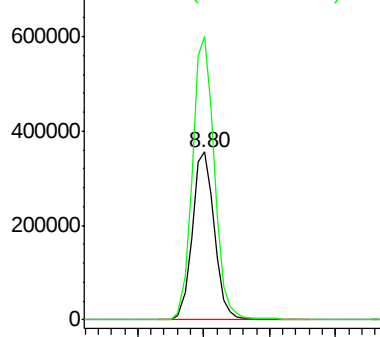
92 100

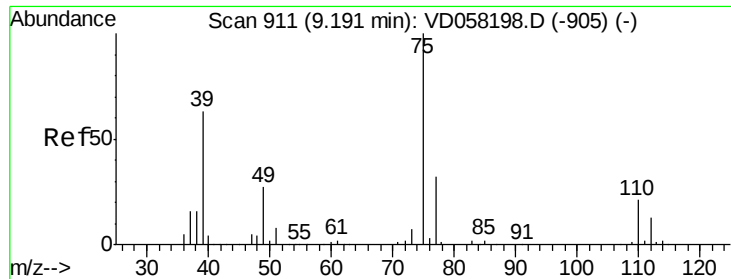
91 168.4 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

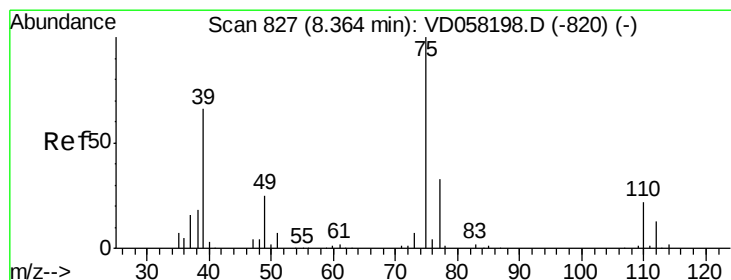
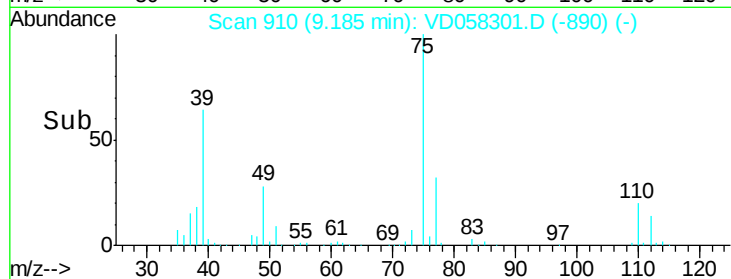
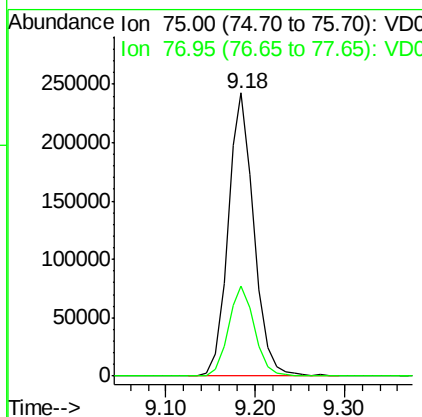
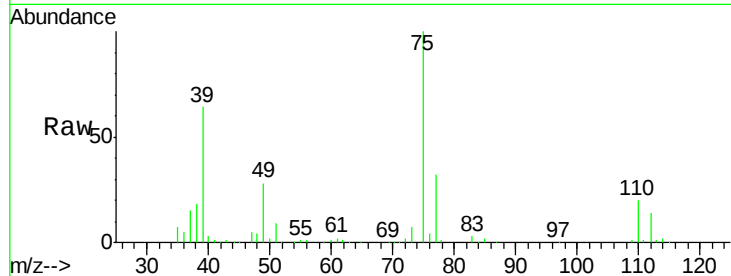




#53
 t-1,3-Dichloropropene
 Concen: 76.679 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

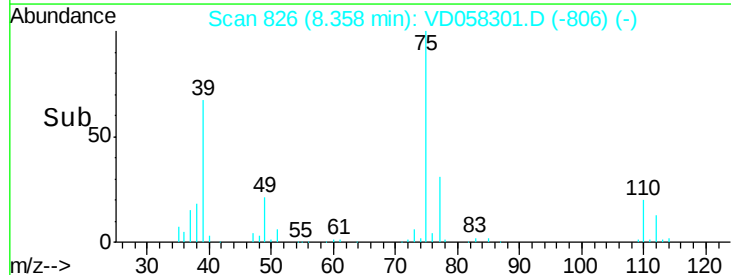
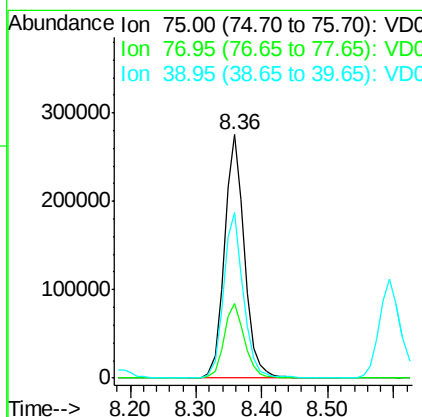
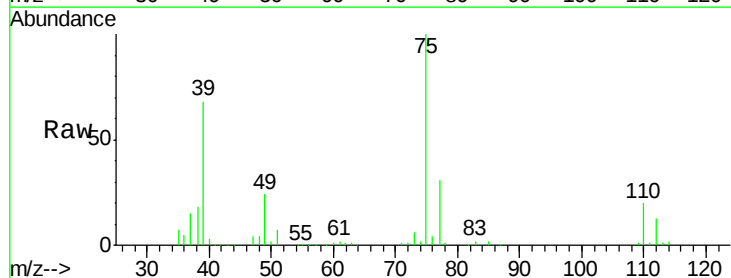
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

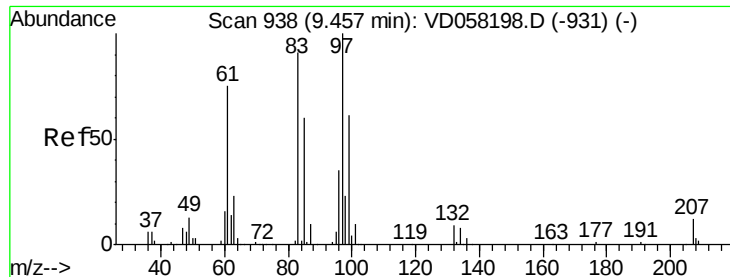
Tot Ion: 75 Resp: 491903
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 77.772 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





#55

1,1,2-Trichloroethane

Concen: 75.483 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

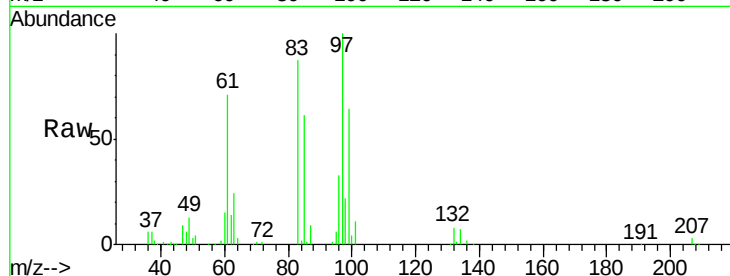
Ion Ratio Lower Upper

97 100

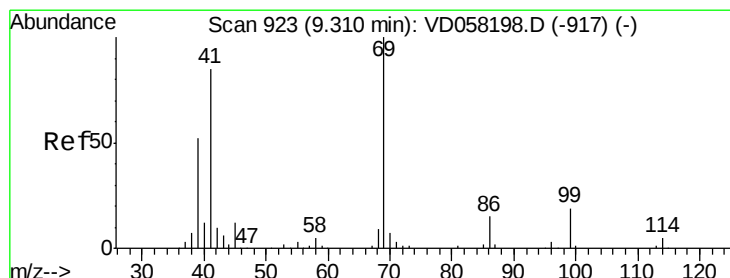
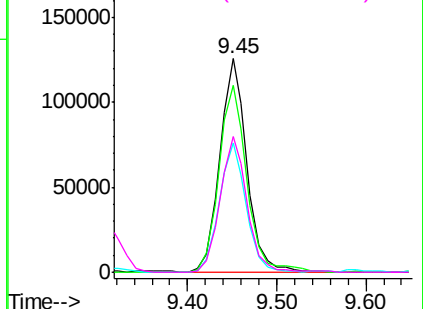
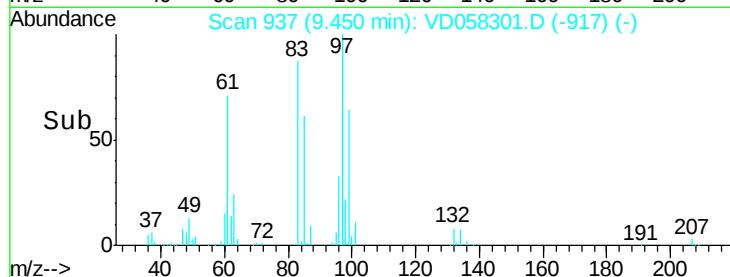
83 87.2 72.9 109.3

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: 72.443 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

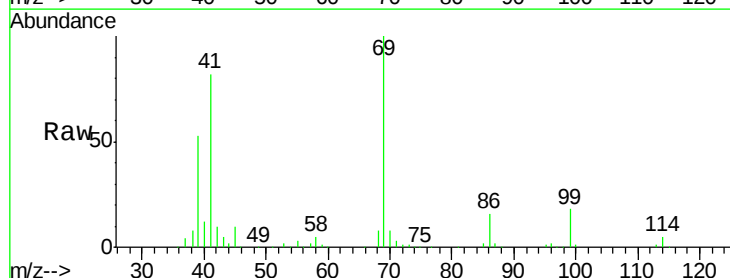
Tgt Ion: 69 Resp: 307180

Ion Ratio Lower Upper

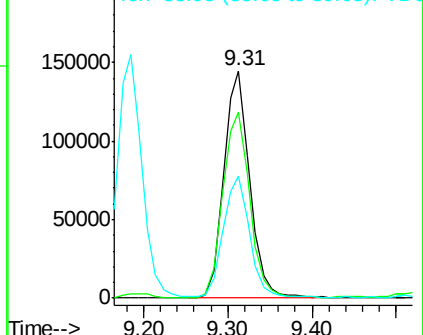
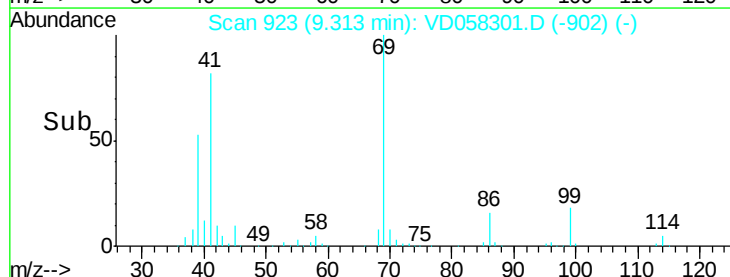
69 100

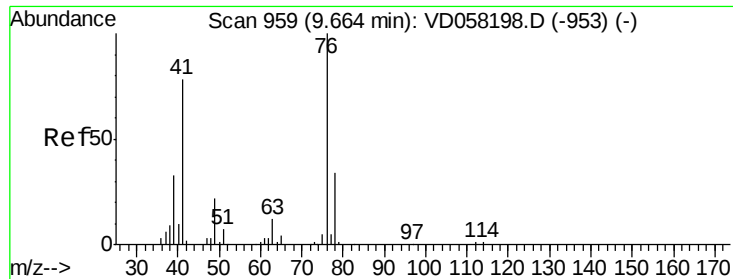
41 82.0 67.6 101.4

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

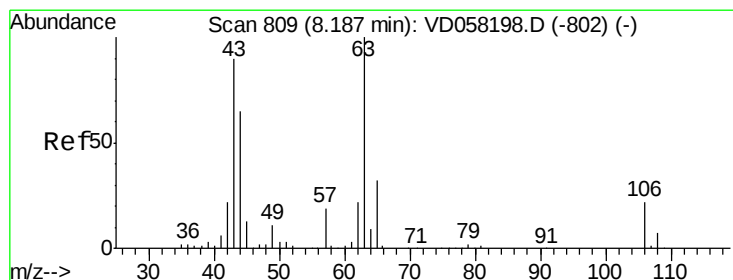
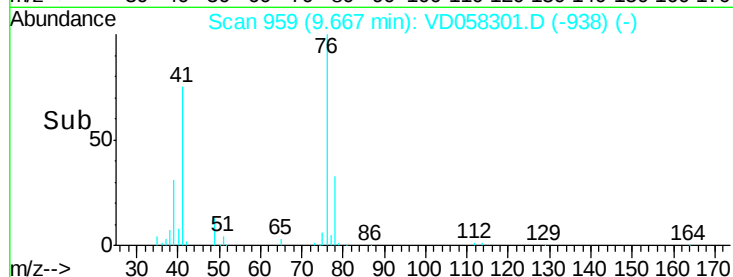
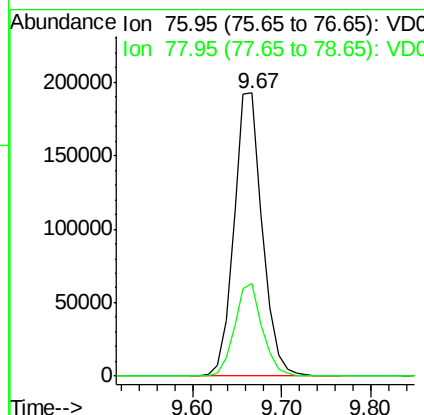
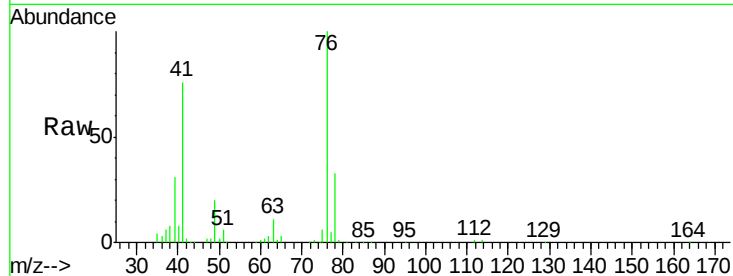




#57
 1,3-Dichloropropane
 Concen: 71.746 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

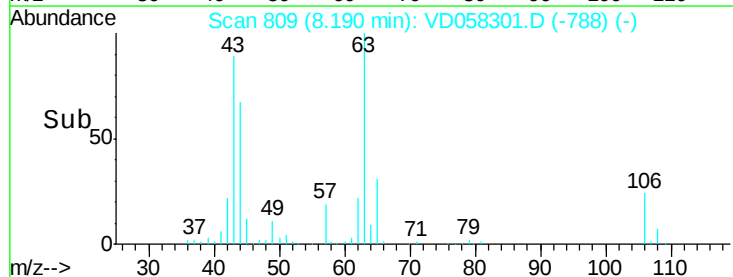
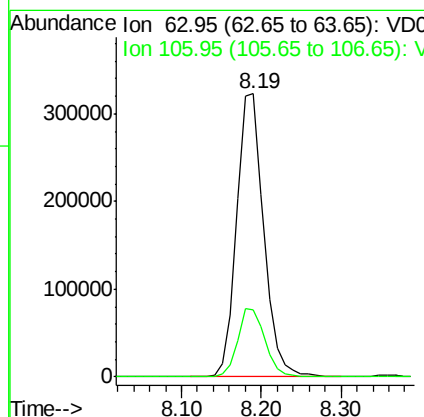
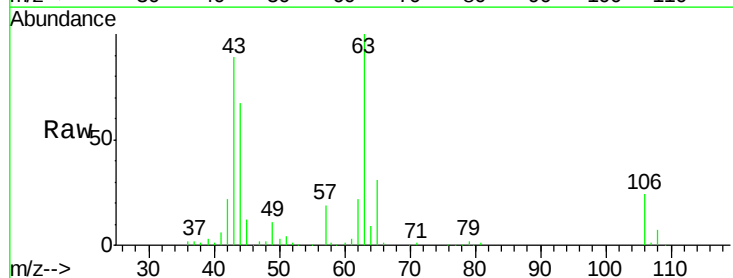
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

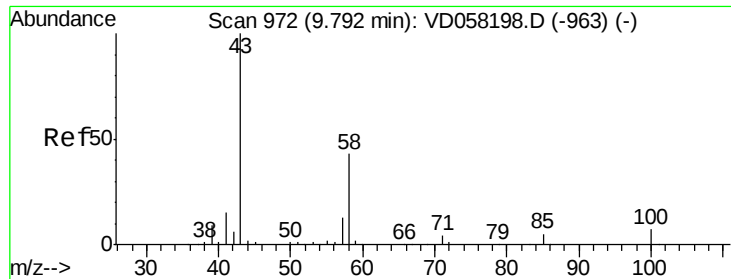
Tot Ion: 76 Resp: 428499
 Ion Ratio Lower Upper
 76 100
 78 32.5 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 365.077 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

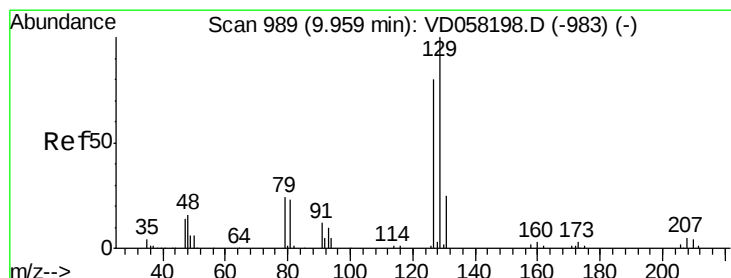
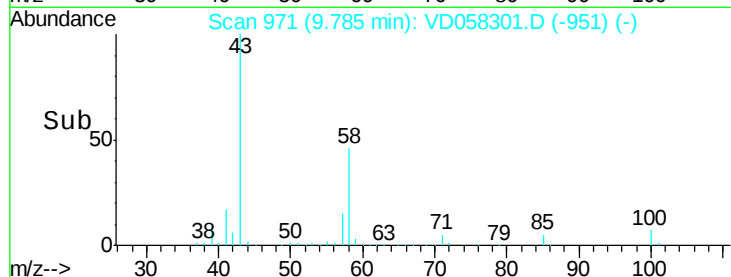
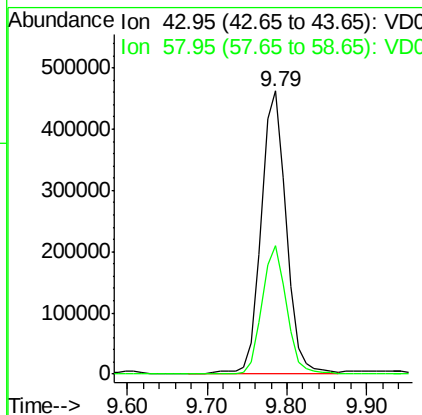
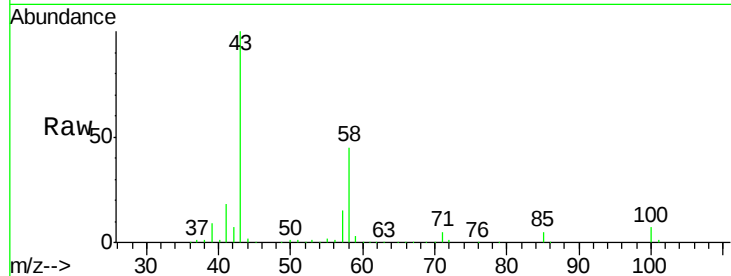




#59
2-Hexanone
Concen: 378.834 ug/l
RT: 9.79 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

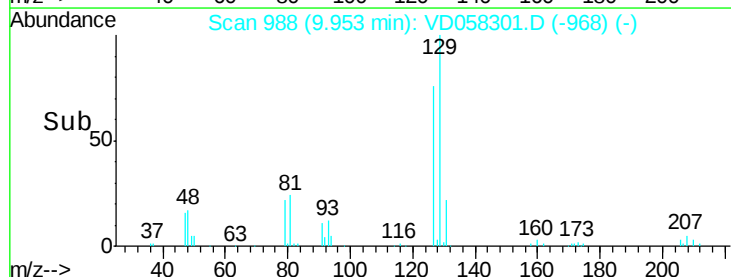
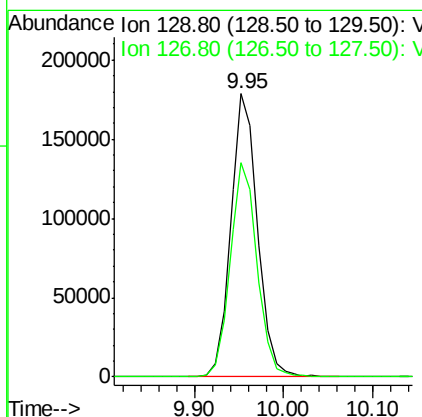
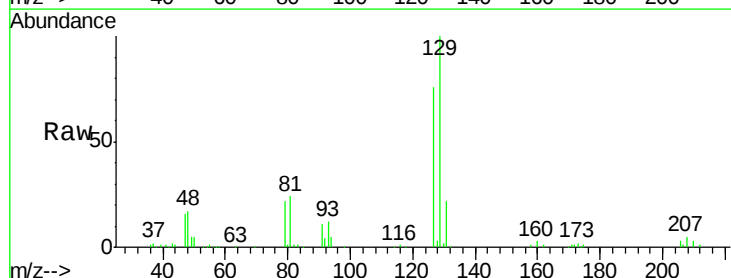
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

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



#60
Dibromochloromethane
Concen: 77.965 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: 71.758 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 :

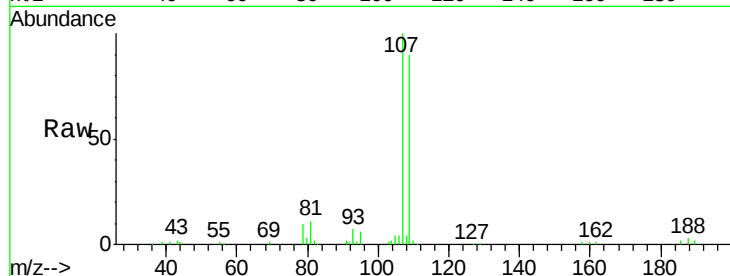
WP021SB472-13-15-180618MSD

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

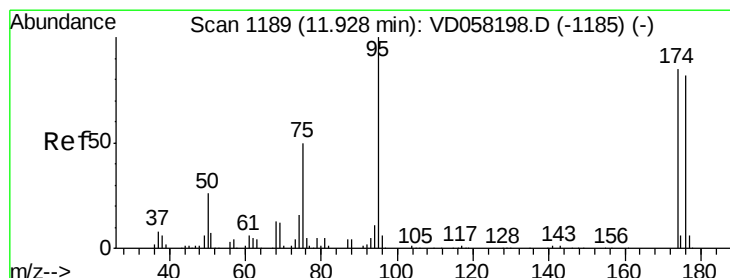
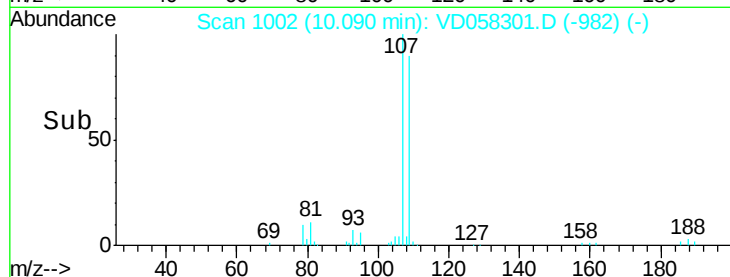
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 71.758 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

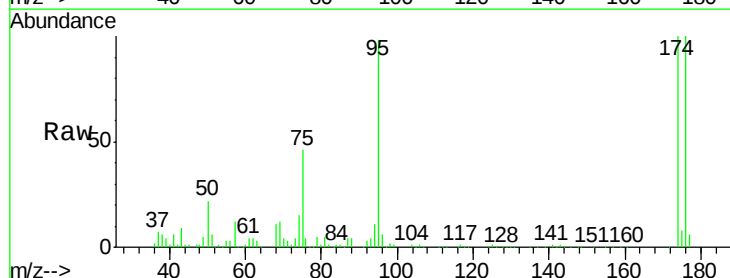
Tgt Ion: 95 Resp: 373375

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

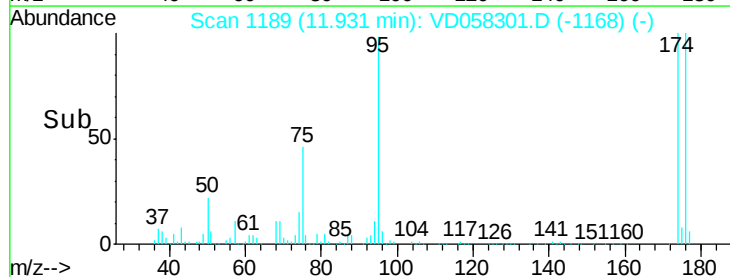
300000

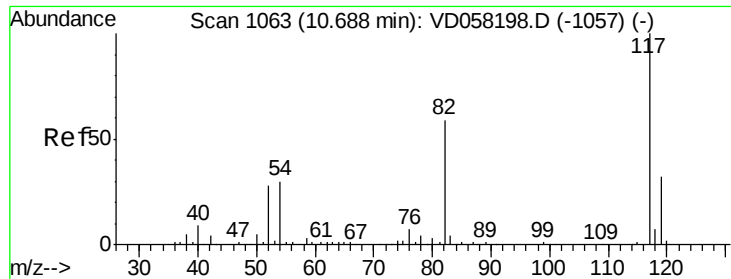
200000

100000

0

Time-->

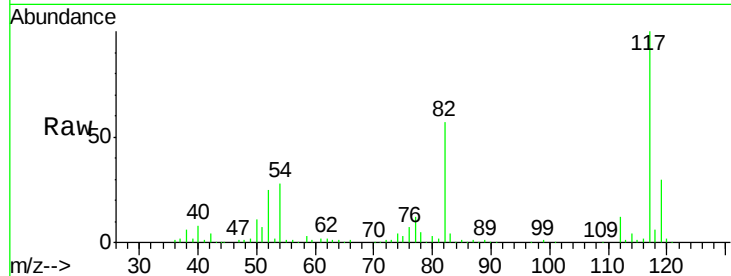




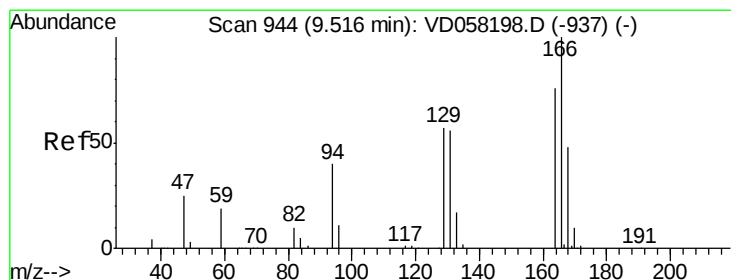
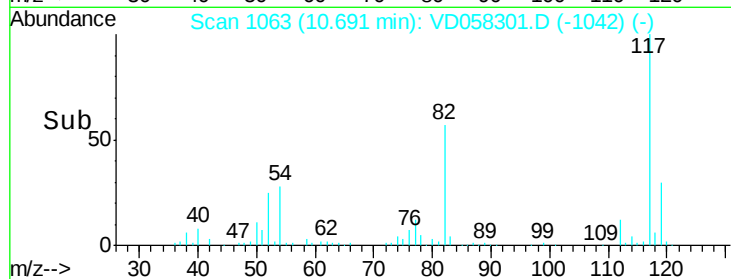
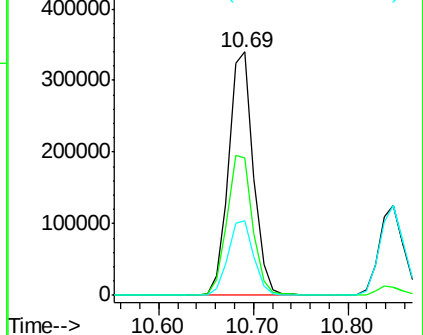
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

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

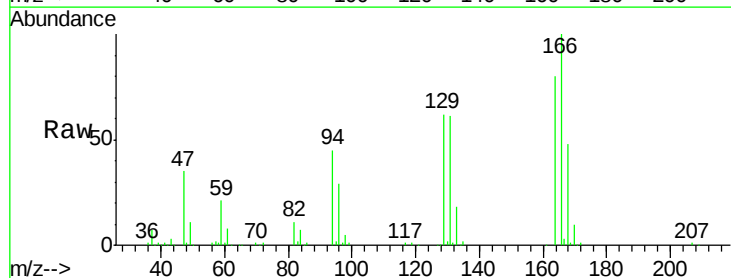


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

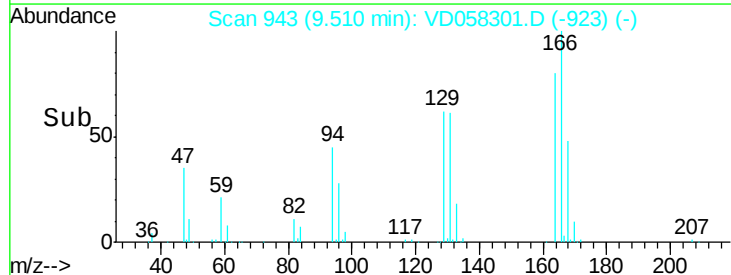
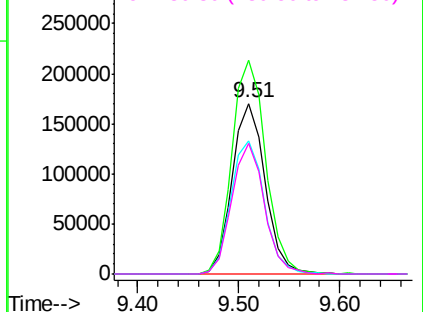


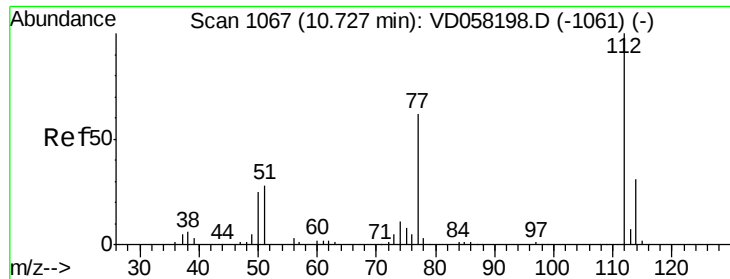
#64
Tetrachloroethene
Concen: 74.321 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

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

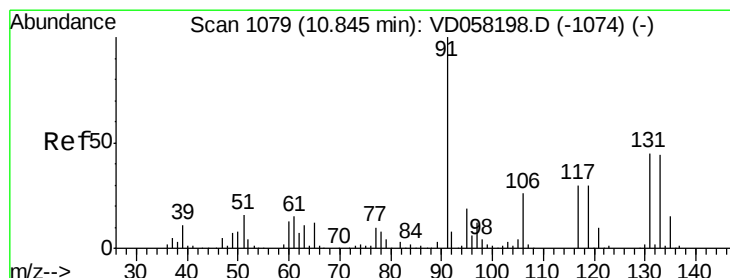
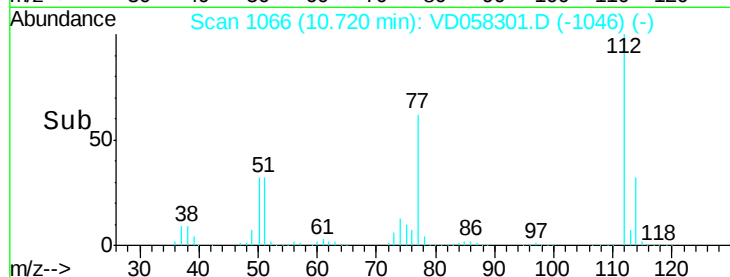
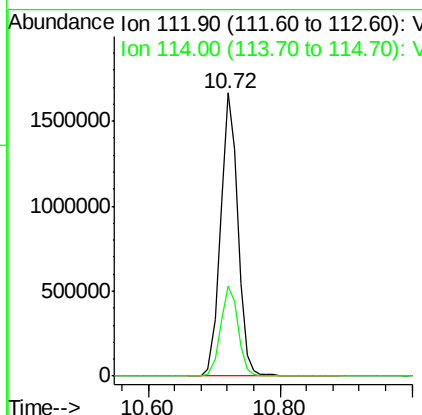
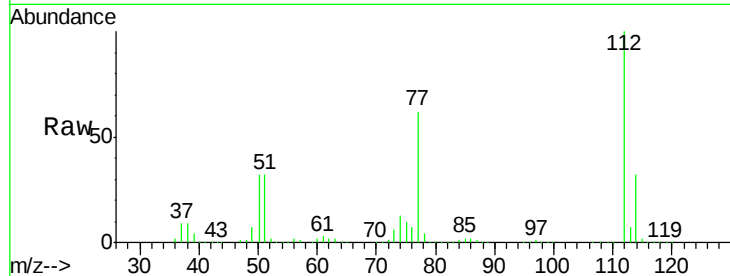




#65
Chlorobenzene
Concen: 264.277 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

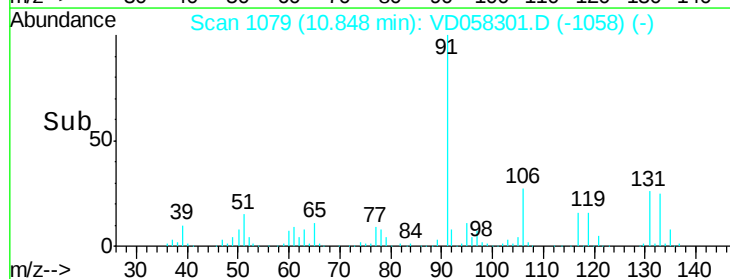
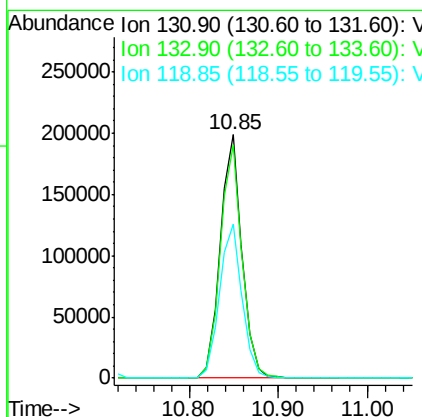
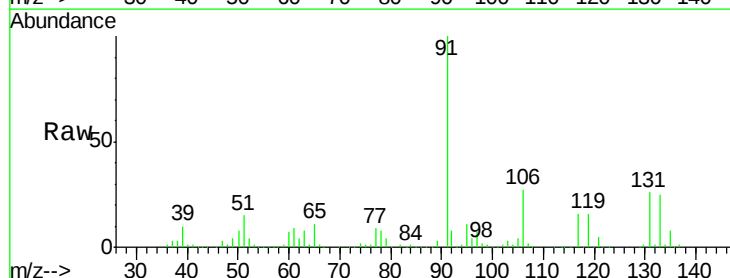
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

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: 76.670 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

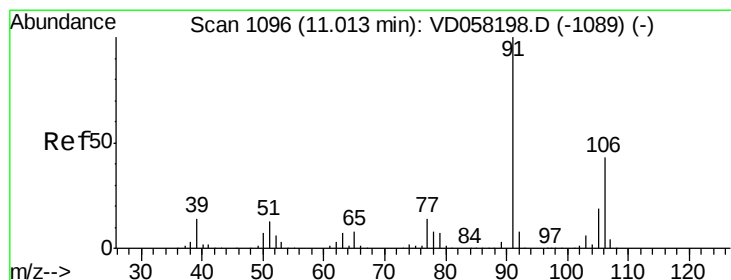
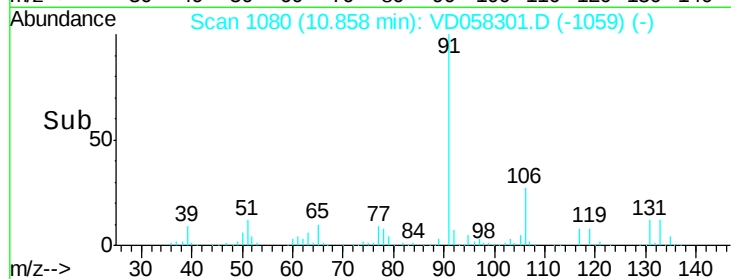
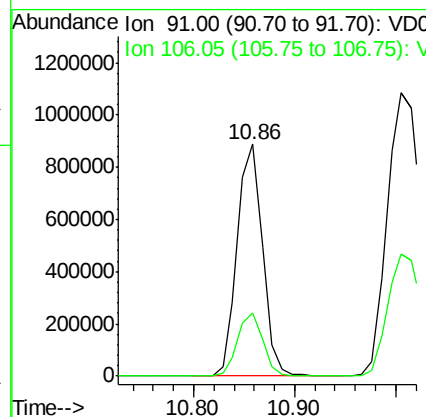
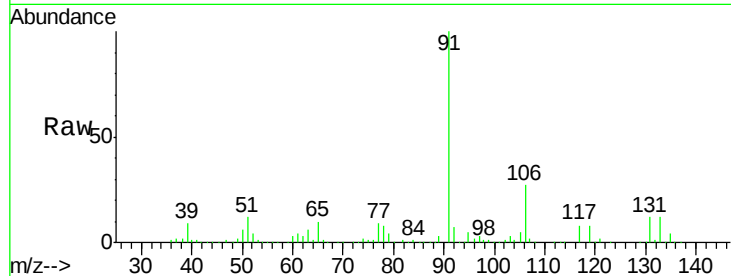




#67
Ethyl Benzene
Concen: 76.357 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

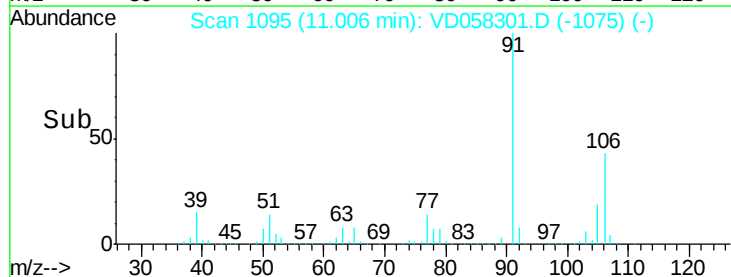
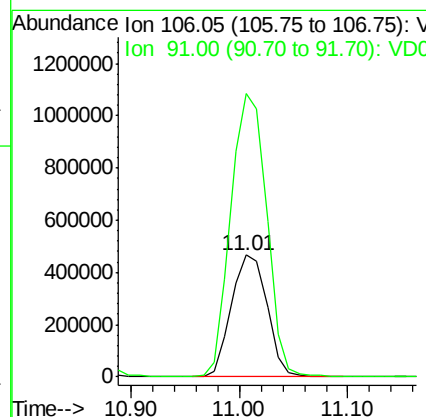
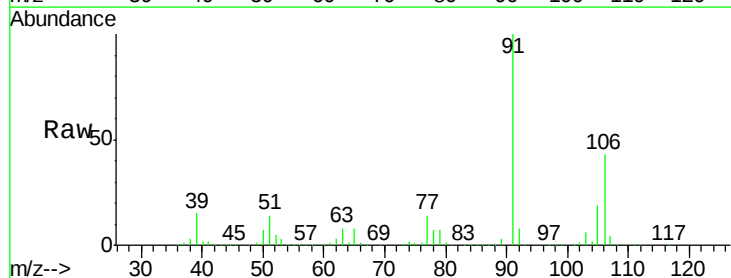
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

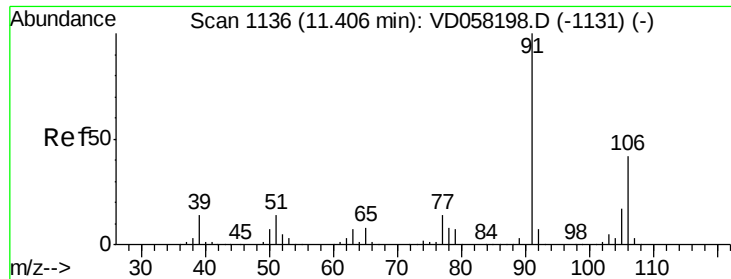
Tot Ion: 91 Resp: 1554392
Ion Ratio Lower Upper
91 100
106 27.1 22.0 33.0



#68
m/p-Xylenes
Concen: 158.426 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

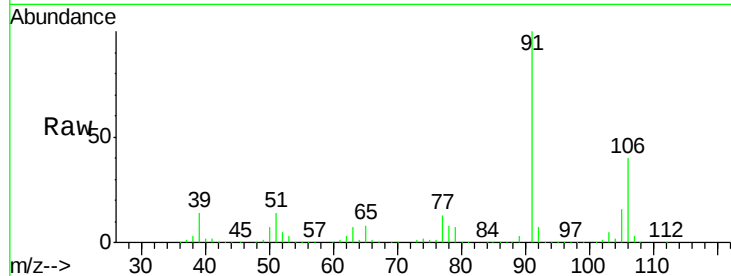




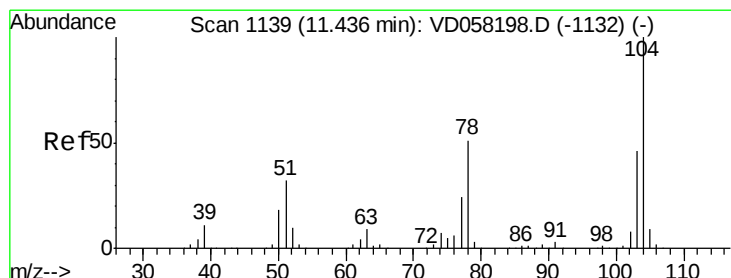
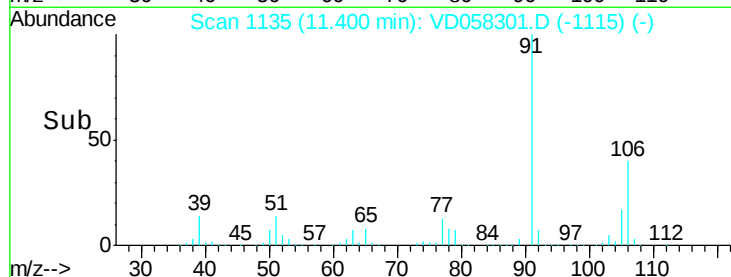
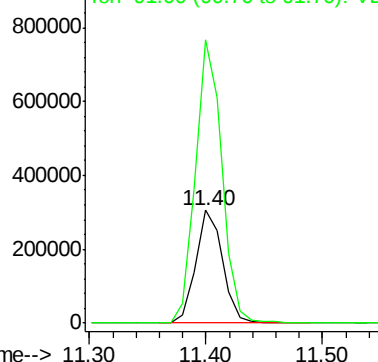
#69
o-Xylene
Concen: 75.088 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

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

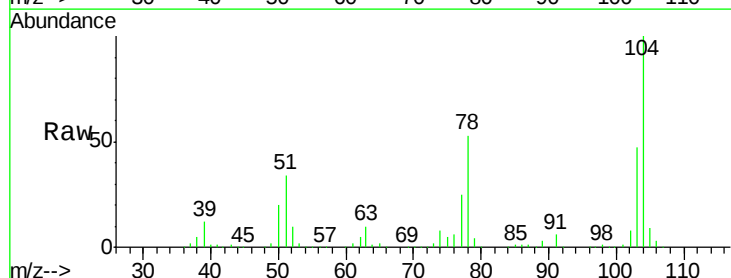


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

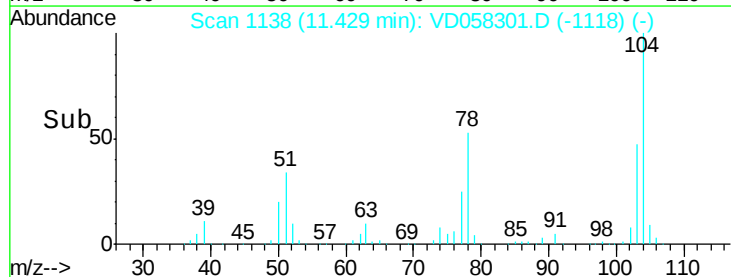
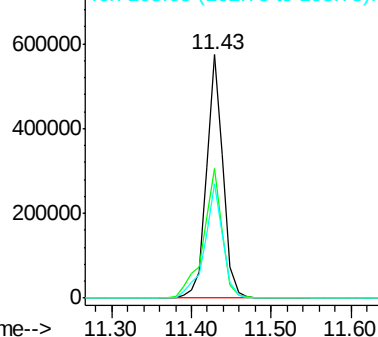


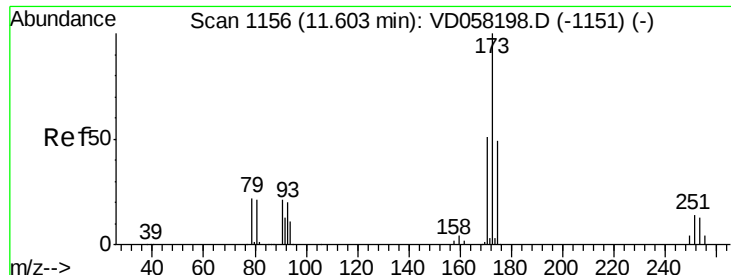
#70
Styrene
Concen: 75.494 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

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

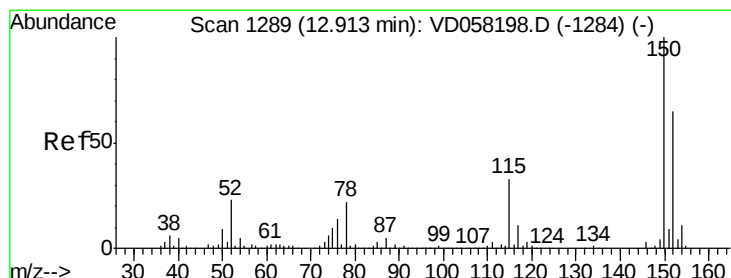
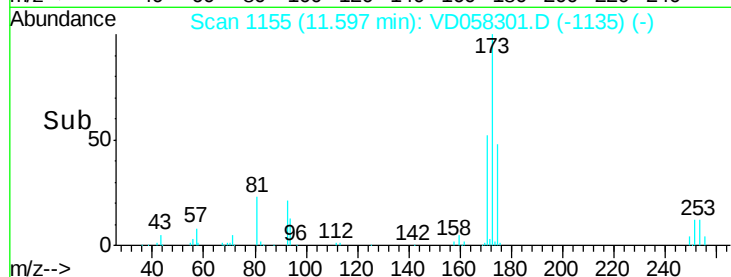
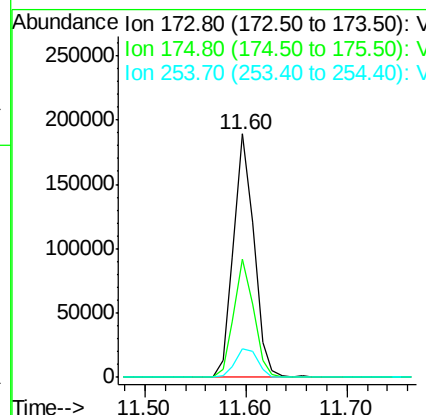
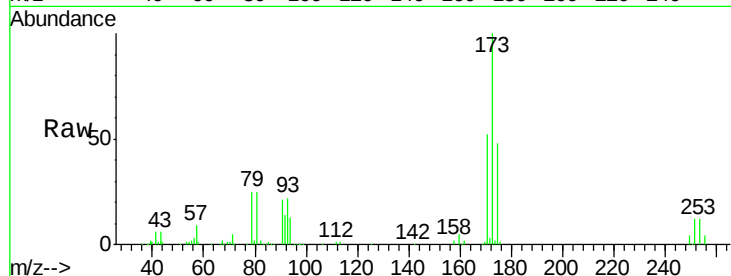




#71
Bromoform
Concen: 75.208 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058301.D
Acq: 22 Jun 2018 17:26

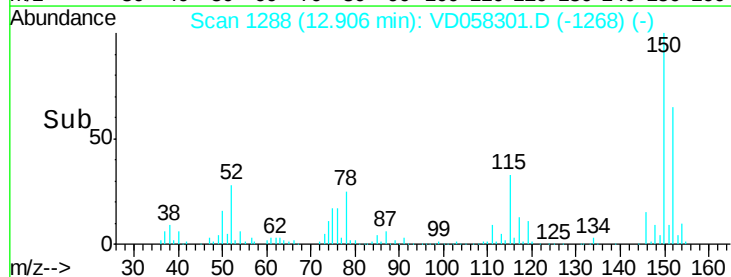
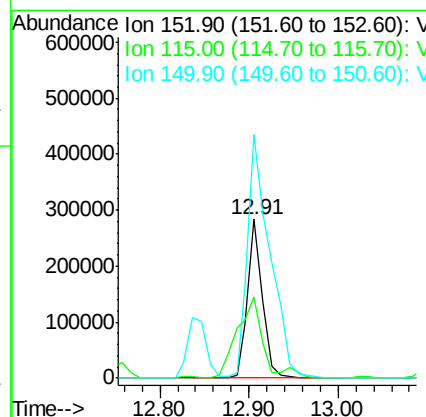
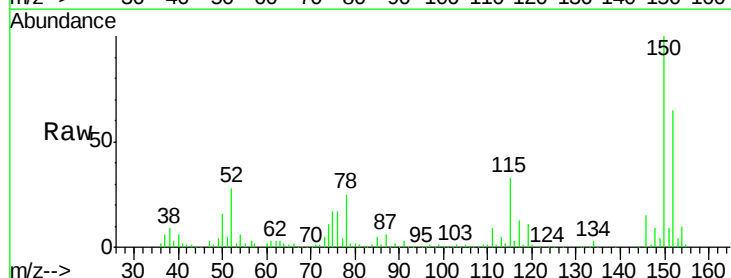
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MSD

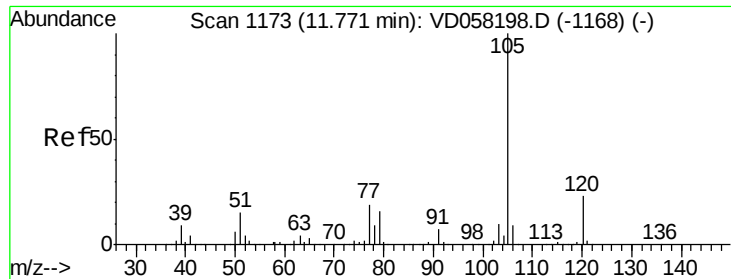
Tot Ion:173 Resp: 266967
Ion Ratio Lower Upper
173 100
175 48.4 24.6 74.0
254 11.5 10.3 15.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 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





#73

Isopropylbenzene

Concen: 71.257 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 :

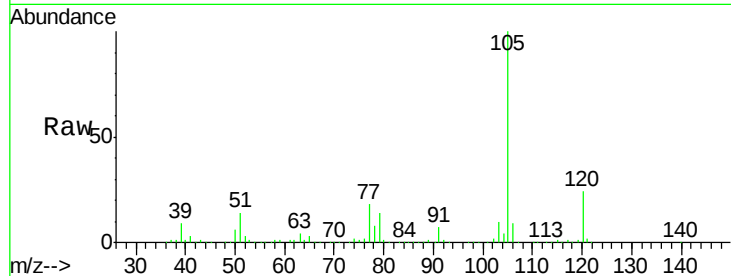
WP021SB472-13-15-180618MSD

Tot Ion:105 Resp: 1409653

Ion Ratio Lower Upper

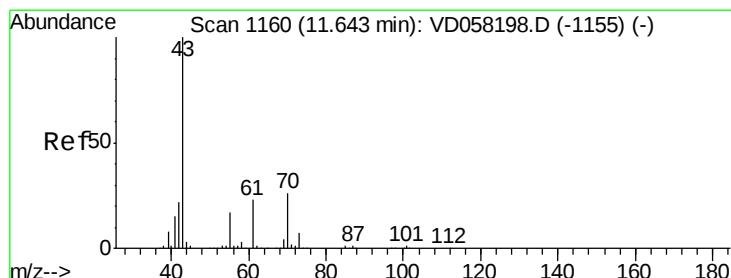
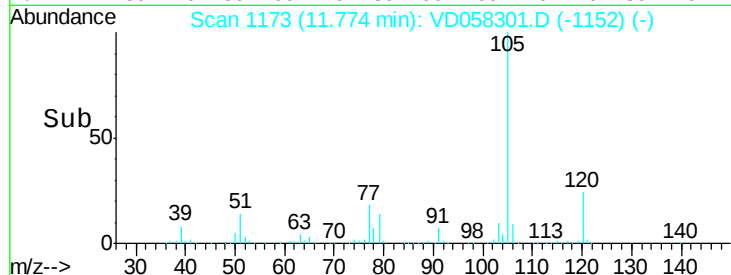
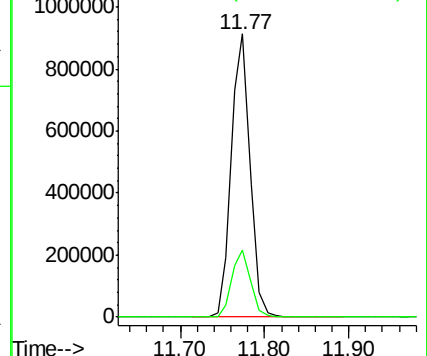
105 100

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: 75.156 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

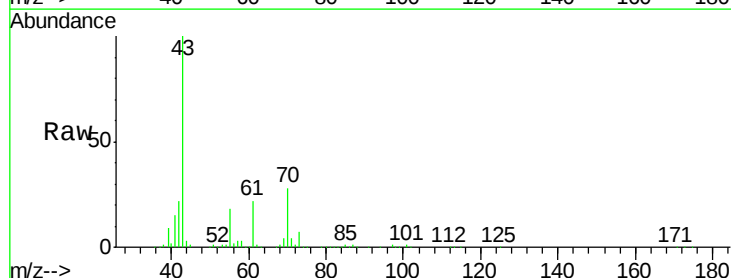
Ion Ratio Lower Upper

43 100

70 28.1 20.9 31.3

55 17.9 13.5 20.3

61 22.0 18.2 27.2

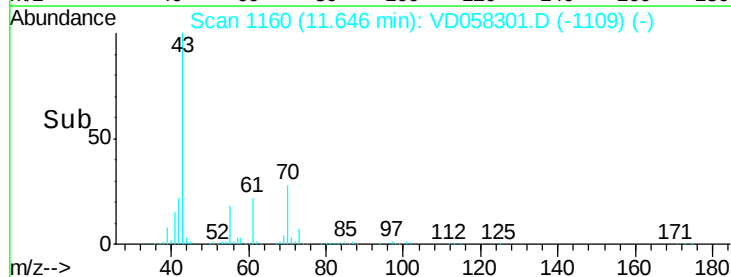
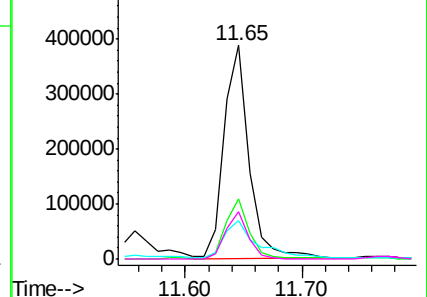


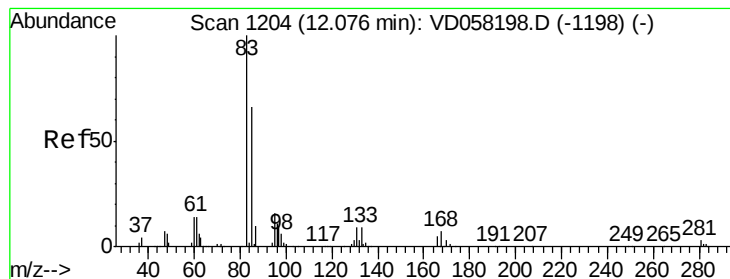
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 65.676 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

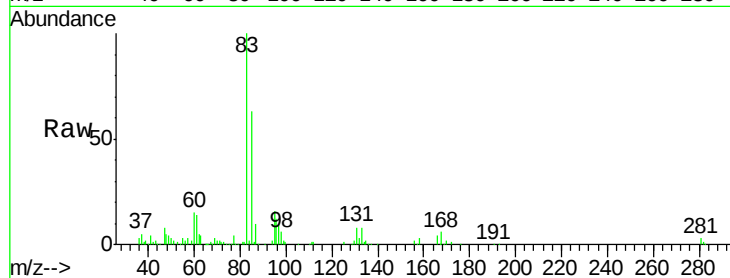
Tot Ion: 83 Resp: 302353

Ion Ratio Lower Upper

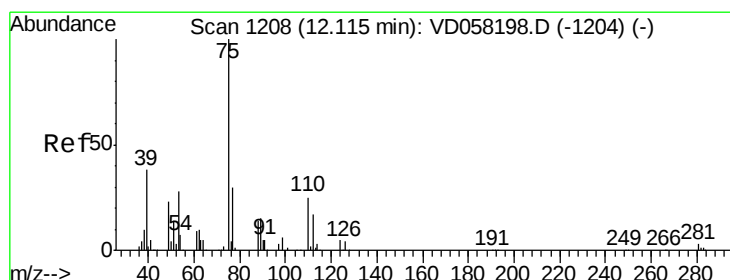
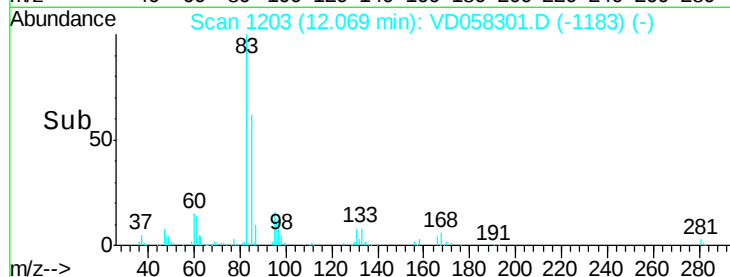
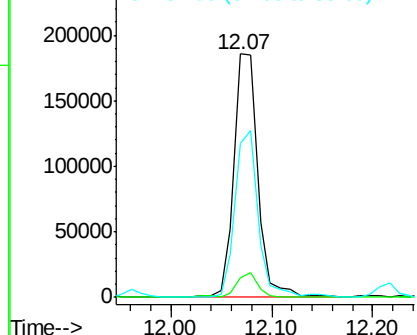
83 100

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: 65.682 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058301.D

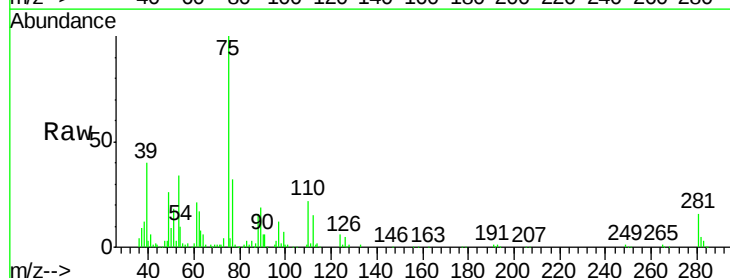
Acq: 22 Jun 2018 17:26

Tgt Ion: 75 Resp: 317167

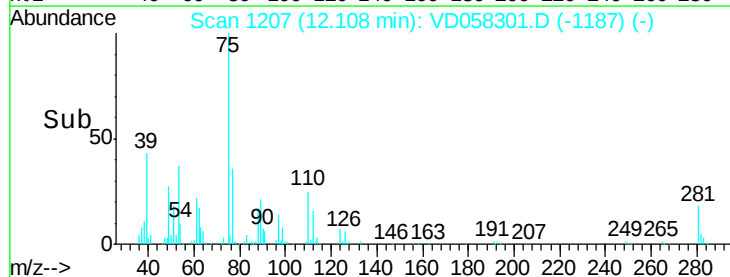
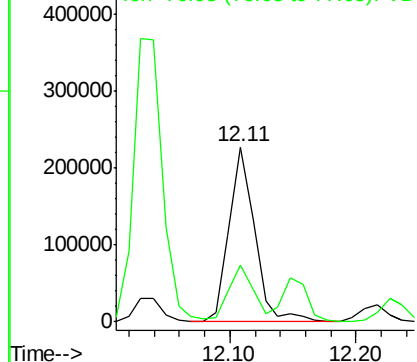
Ion Ratio Lower Upper

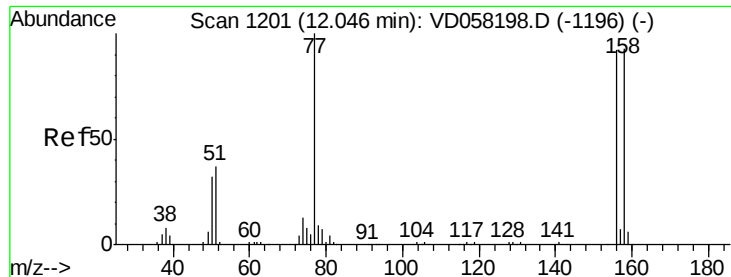
75 100

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: 71.492 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

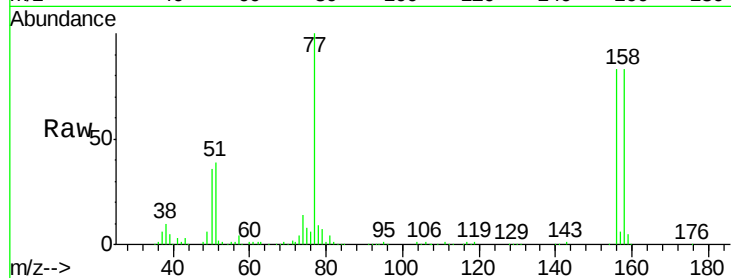
Tot Ion:156 Resp: 423514

Ion Ratio Lower Upper

156 100

77 121.1 54.5 163.6

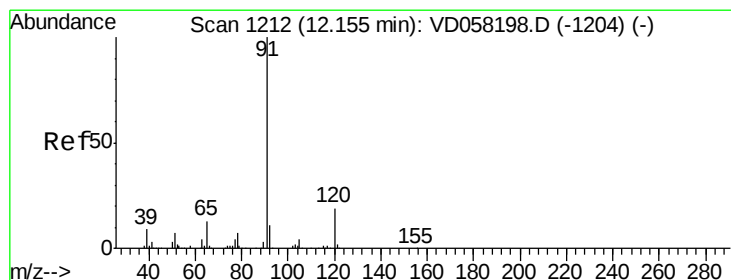
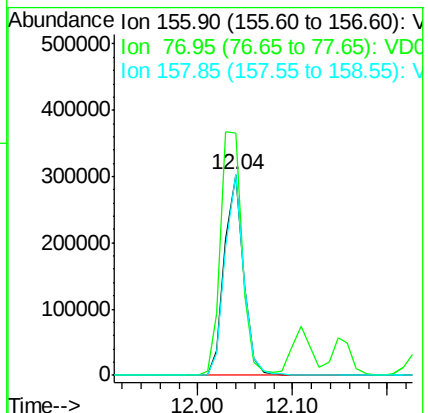
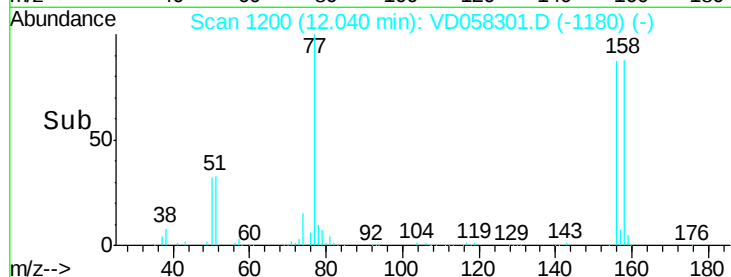
158 100.6 50.8 152.5



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: 71.574 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058301.D

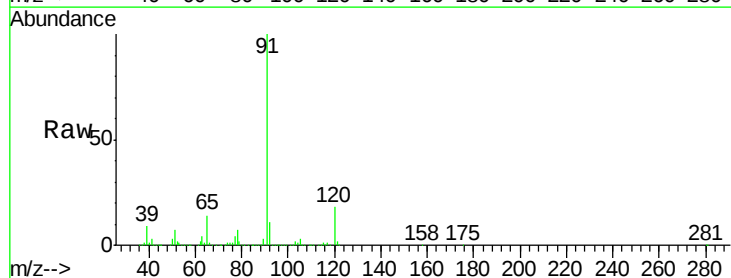
Acq: 22 Jun 2018 17:26

Tgt Ion: 91 Resp: 1828518

Ion Ratio Lower Upper

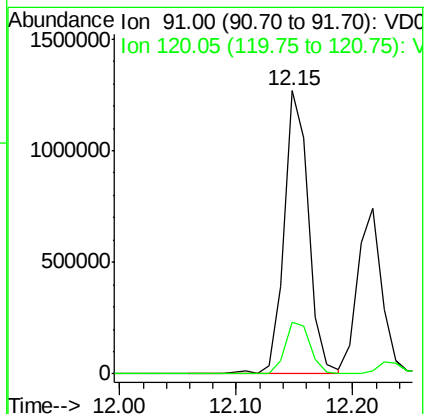
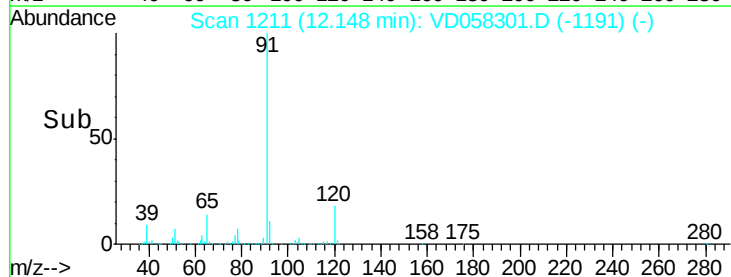
91 100

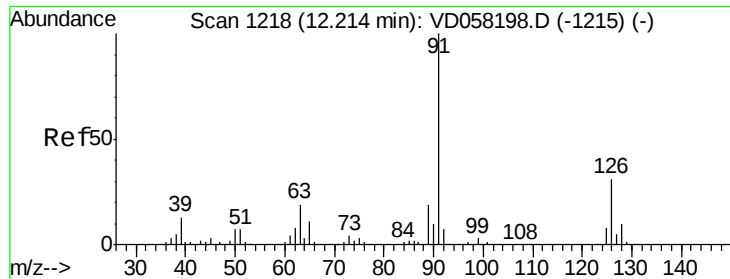
120 18.3 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

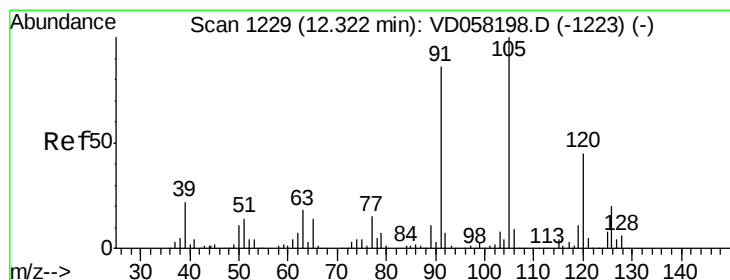
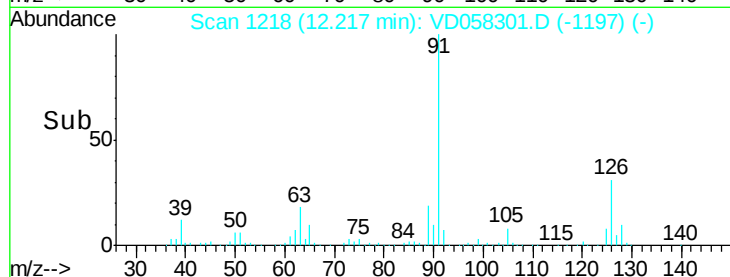
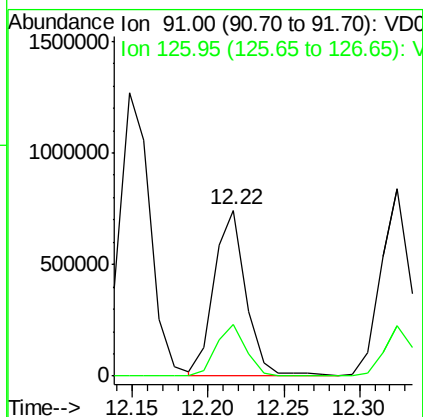
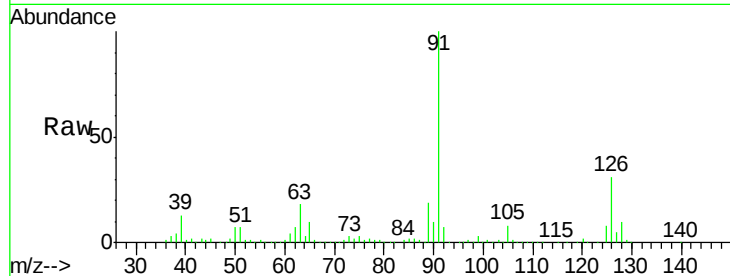




#79
 2-Chlorotoluene
 Concen: 74.286 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

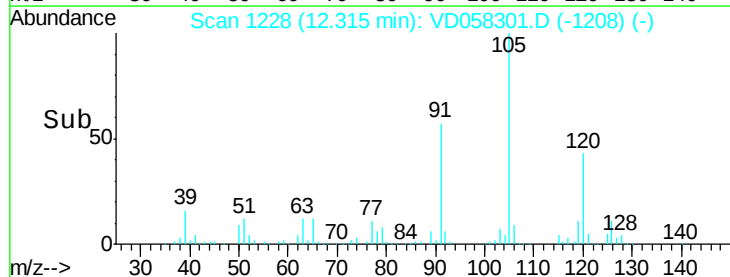
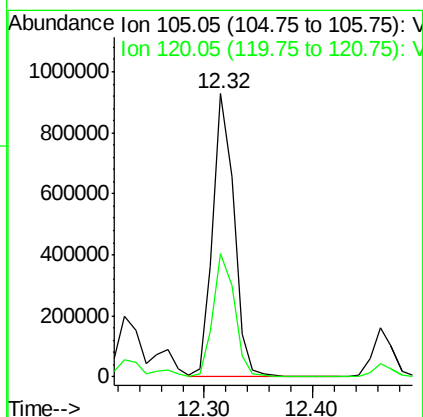
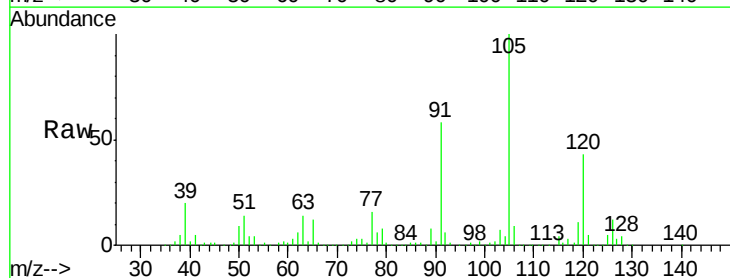
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

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



#80
 1,3,5-Trimethylbenzene
 Concen: 82.248 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: 65.980 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

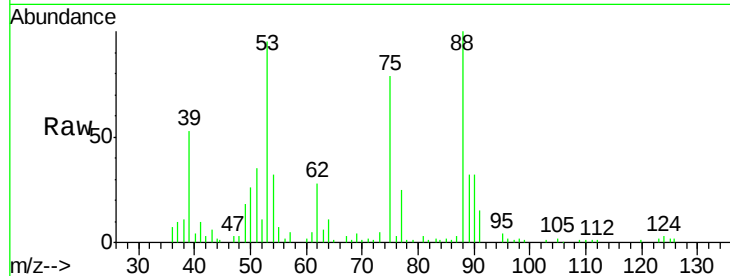
Tot Ion: 75 Resp: 77706

Ion	Ratio	Lower	Upper
75	100		
53	121.4	100.8	151.2
89	40.5	34.6	52.0

75 100

53 121.4 100.8 151.2

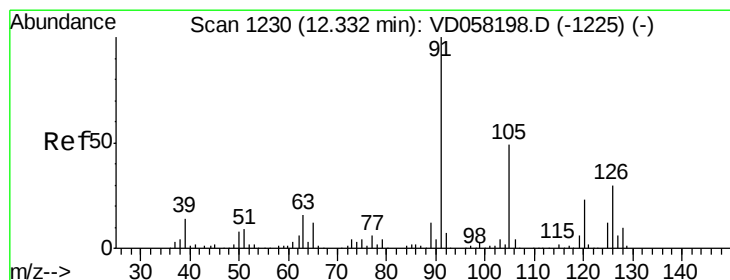
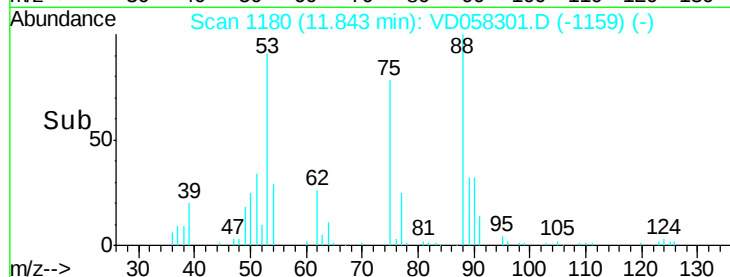
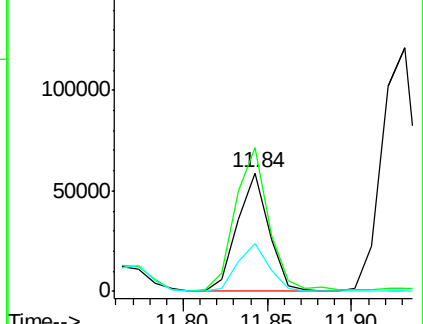
89 40.5 34.6 52.0



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: 84.128 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058301.D

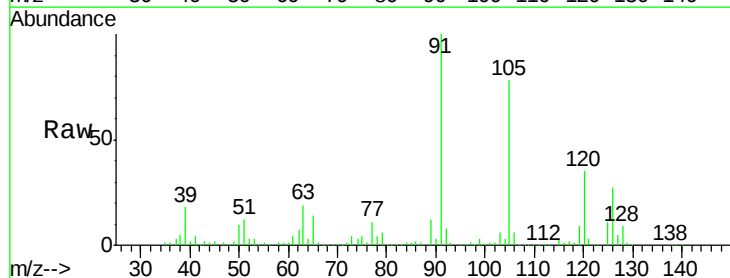
Acq: 22 Jun 2018 17:26

Tgt Ion: 91 Resp: 1145705

Ion	Ratio	Lower	Upper
91	100		
126	26.6	14.9	44.9

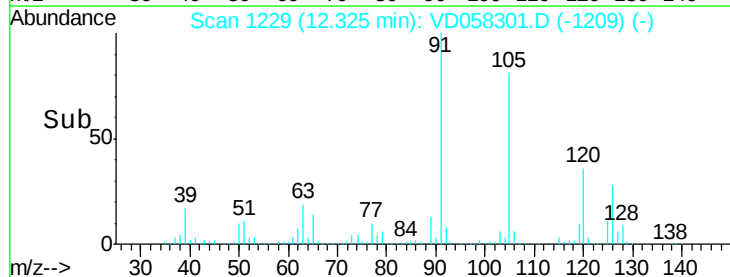
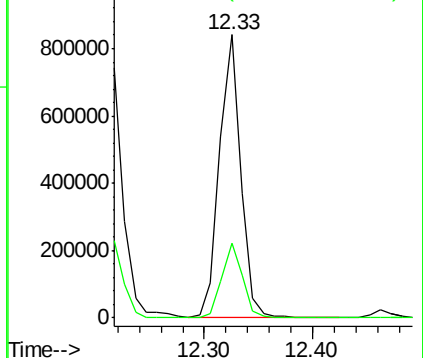
91 100

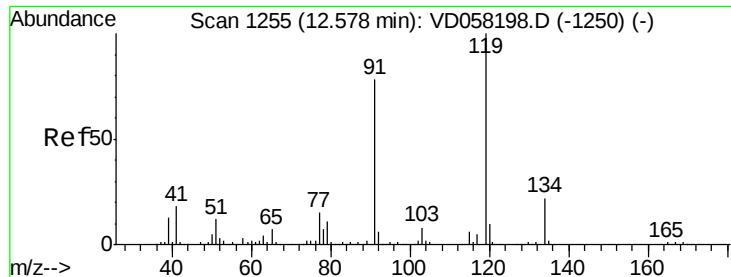
126 26.6 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

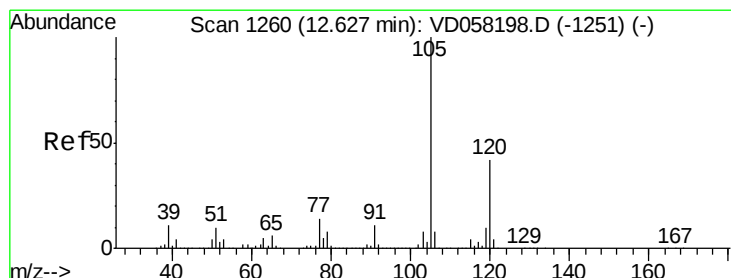
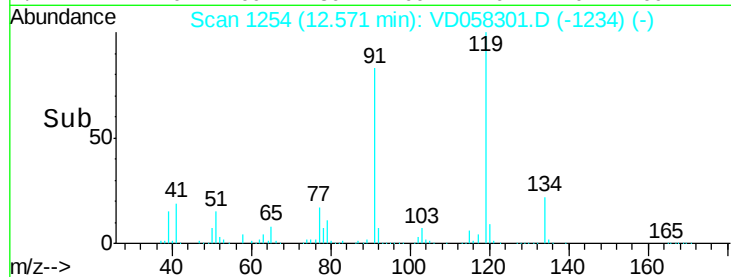
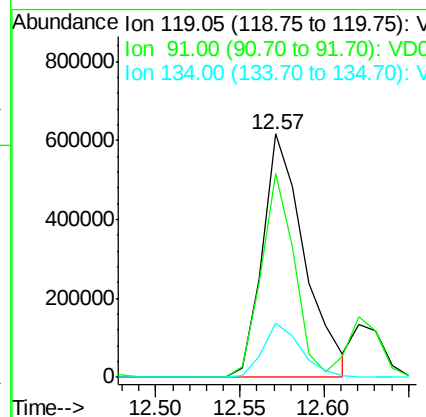
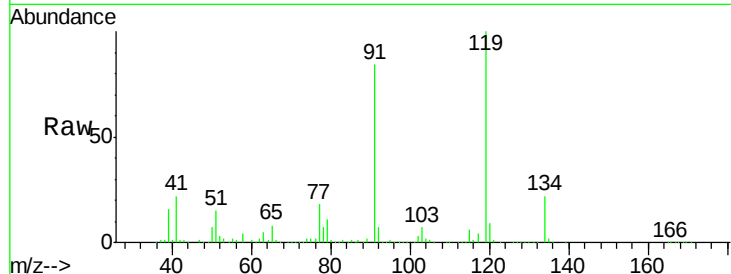




#83
 tert-Butylbenzene
 Concen: 59.922 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

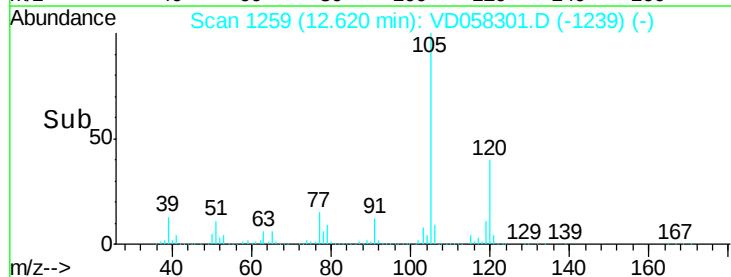
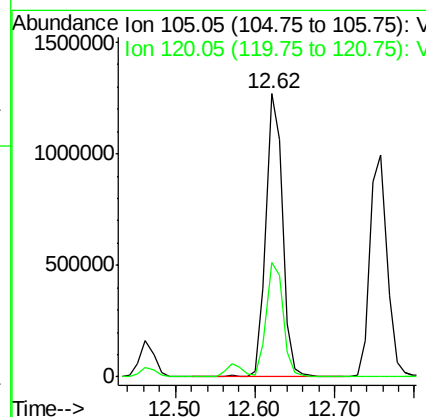
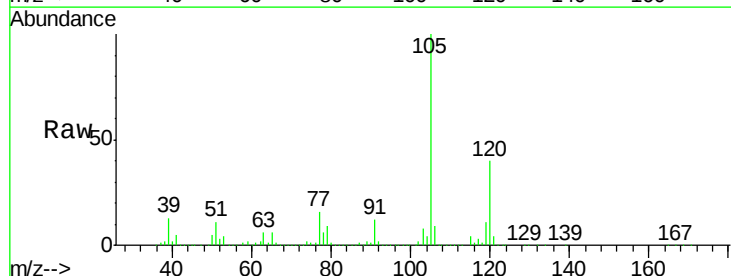
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

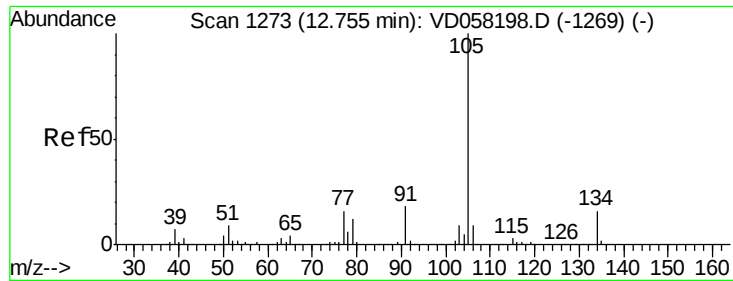
Tot Ion:119 Resp: 1063003
 Ion Ratio Lower Upper
 119 100
 91 84.0 38.9 116.6
 134 22.1 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 107.967 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





#85

sec-Butylbenzene

Concen: 70.866 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 :

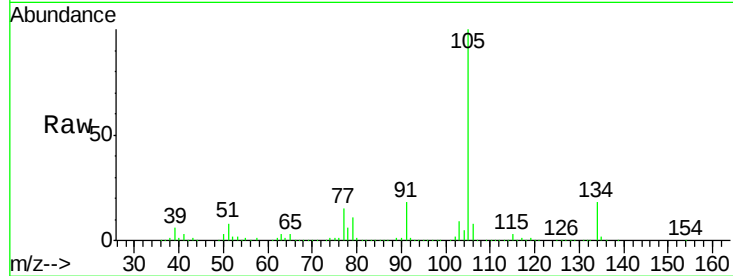
WP021SB472-13-15-180618MSD

Tot Ion:105 Resp: 1473570

Ion Ratio Lower Upper

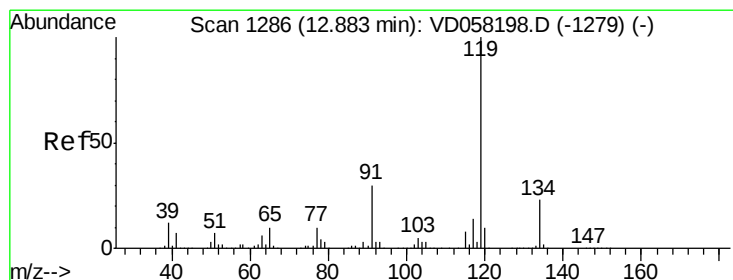
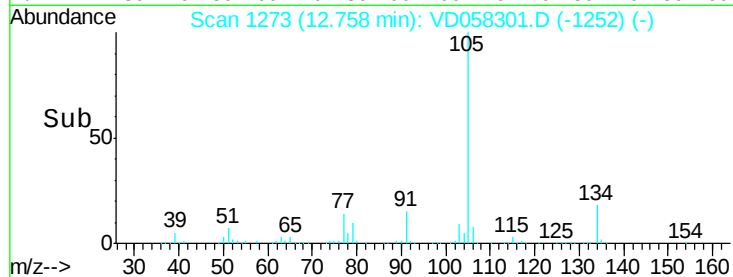
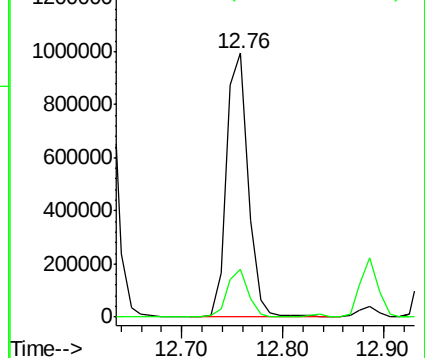
105 100

134 18.0 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 70.056 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

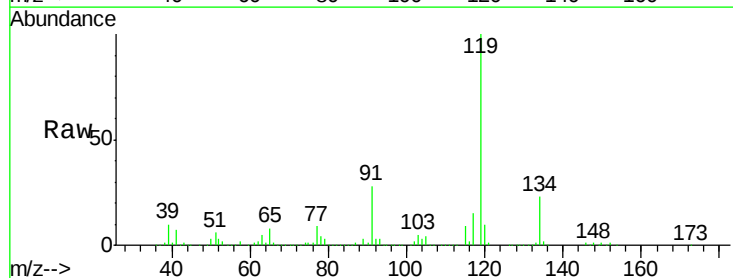
Tgt Ion:119 Resp: 1180486

Ion Ratio Lower Upper

119 100

134 23.4 11.6 34.8

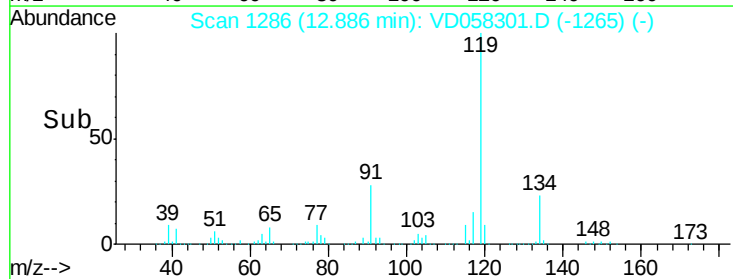
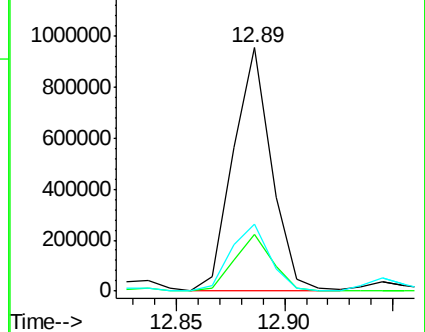
91 27.7 15.0 45.1

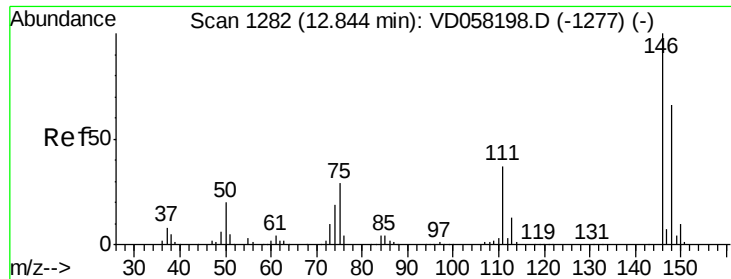


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

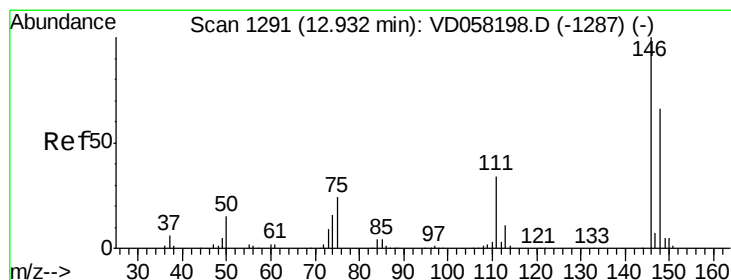
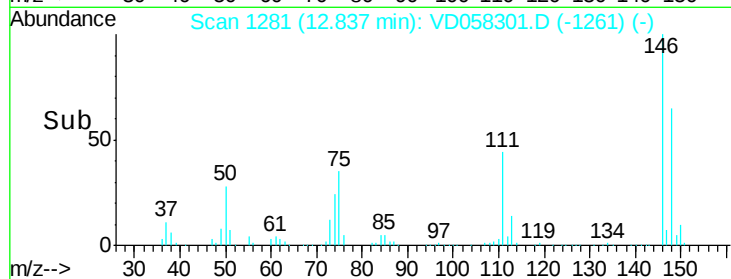
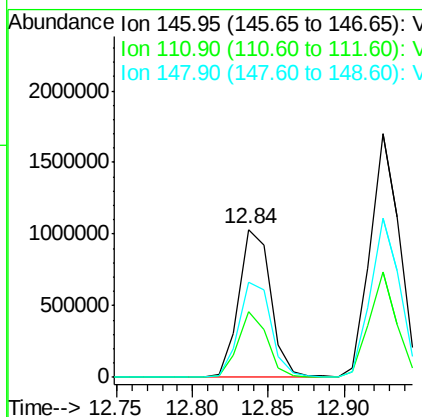
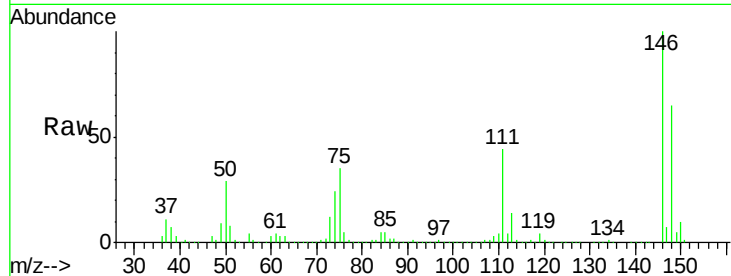




#87
 1,3-Dichlorobenzene
 Concen: 147.516 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

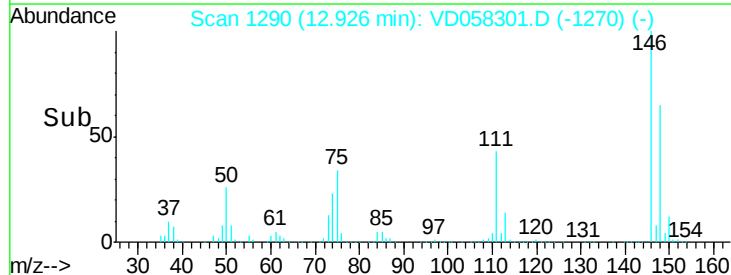
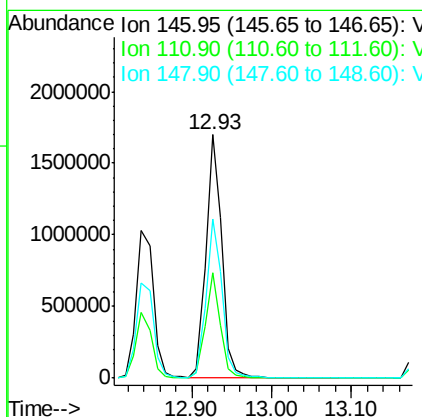
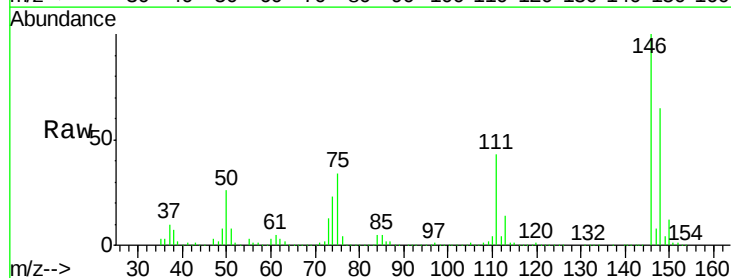
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

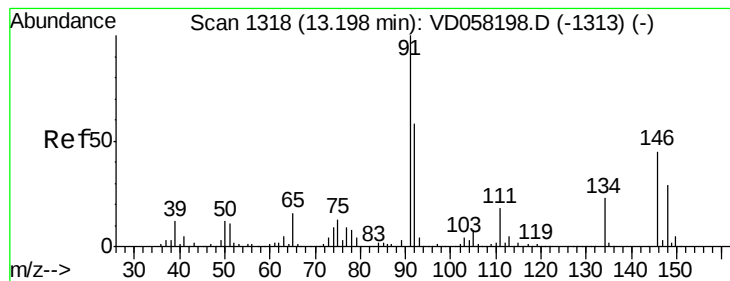
Tot Ion:146 Resp: 1518880
 Ion Ratio Lower Upper
 146 100
 111 44.2 18.4 55.0
 148 64.7 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 233.385 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: 32.248 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

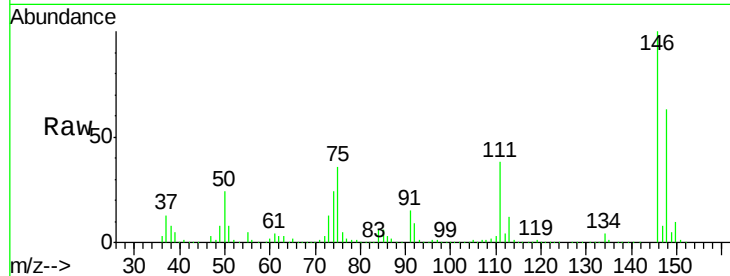
Tot Ion: 91 Resp: 571092

Ion Ratio Lower Upper

91 100

92 57.5 29.2 87.6

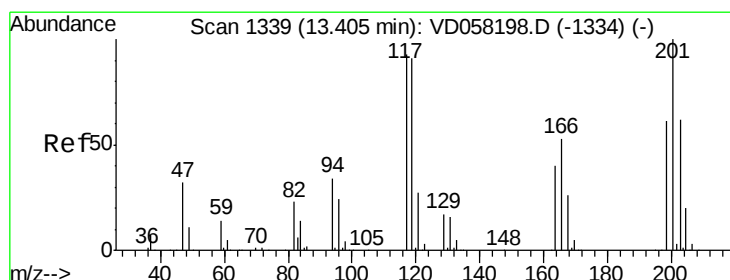
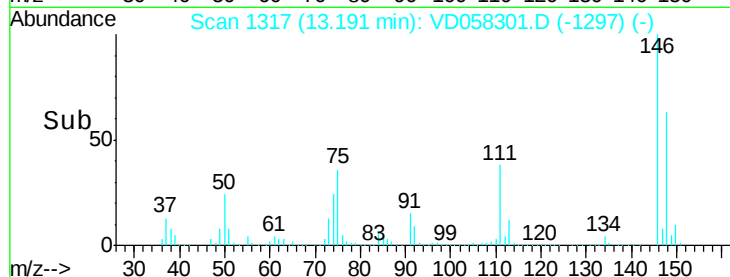
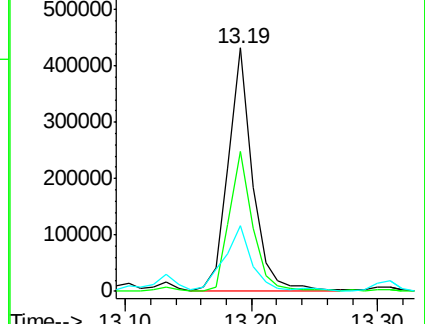
134 27.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 75.011 ug/l

RT: 13.40 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD058301.D

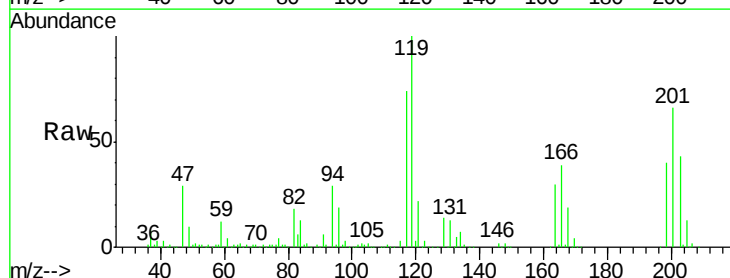
Acq: 22 Jun 2018 17:26

Tgt Ion: 117 Resp: 328068

Ion Ratio Lower Upper

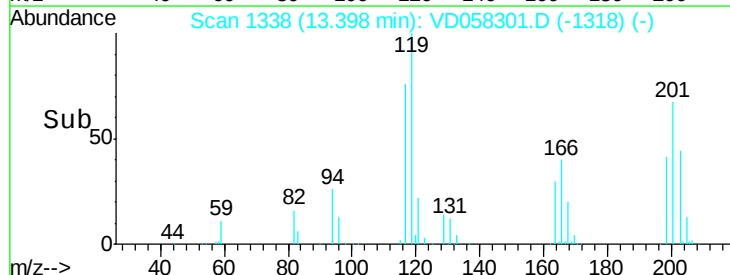
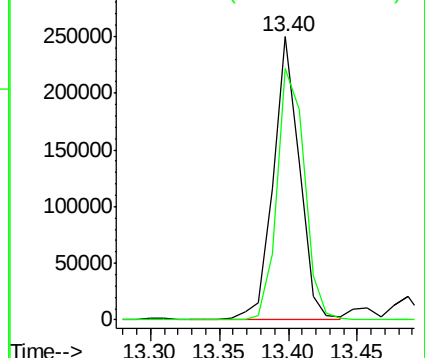
117 100

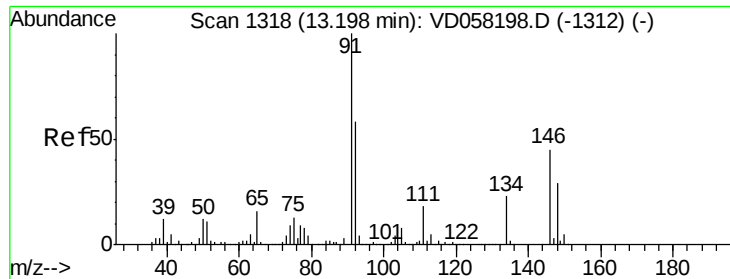
201 88.8 53.8 161.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

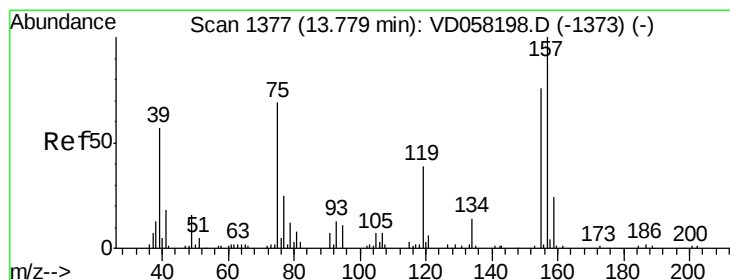
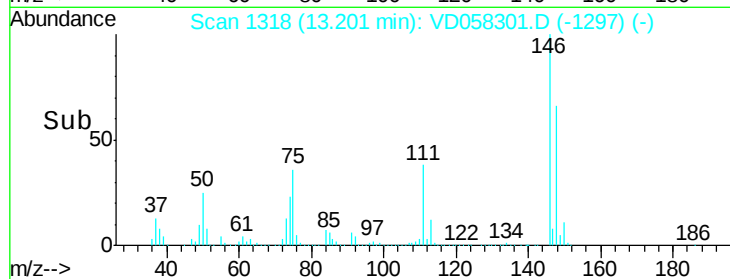
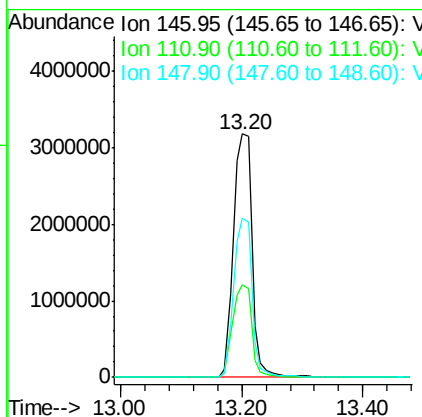
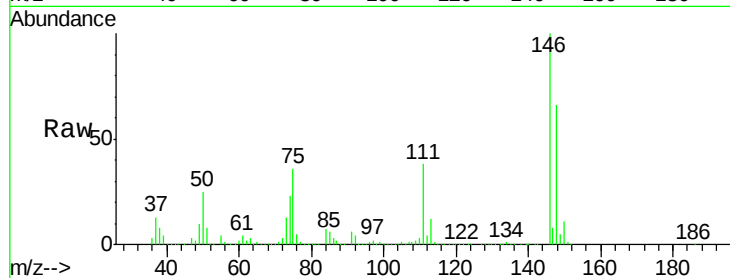




#91
 1,2-Dichlorobenzene
 Concen: 777.958 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

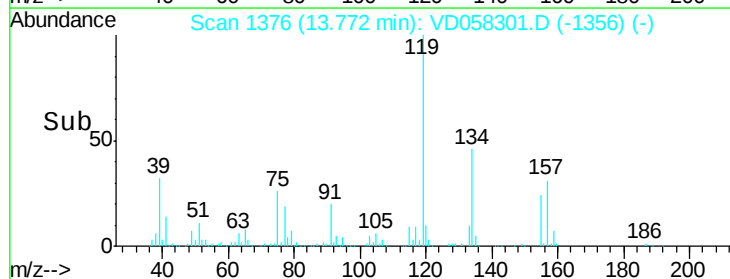
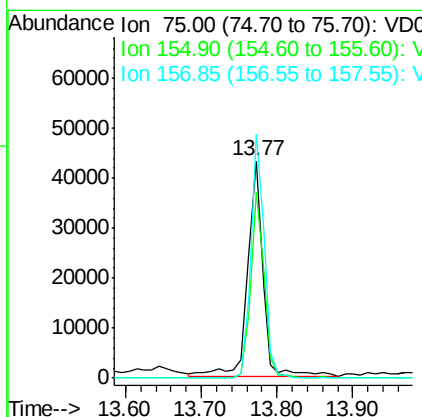
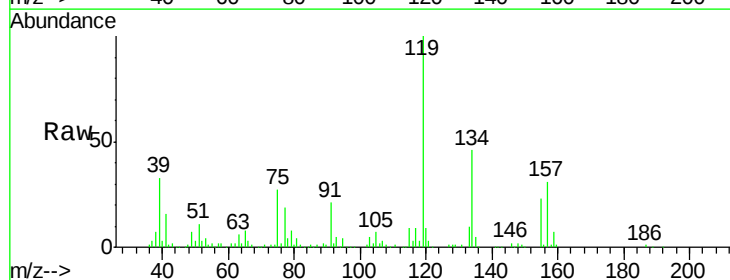
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

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



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 83.209 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

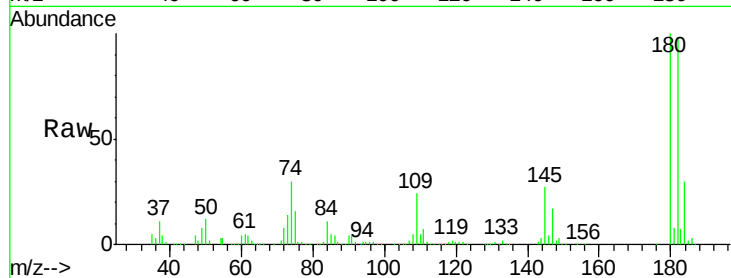




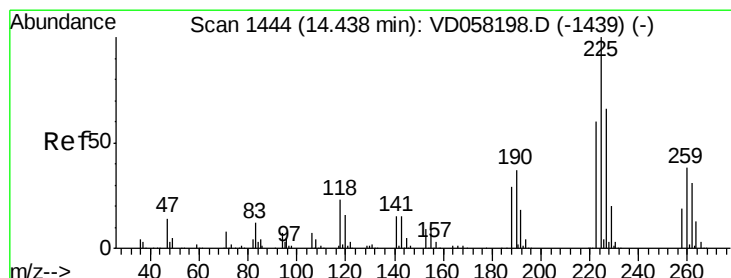
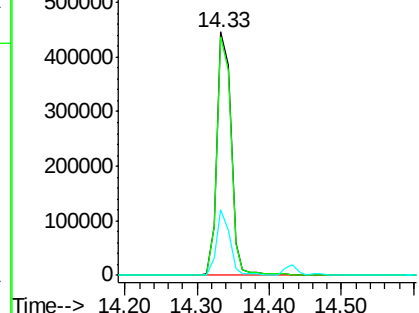
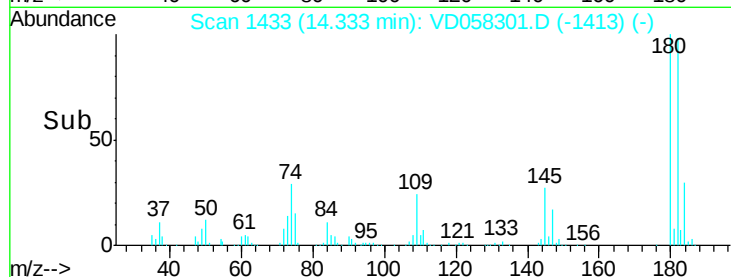
#93
 1,2,4-Trichlorobenzene
 Concen: 72.236 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

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

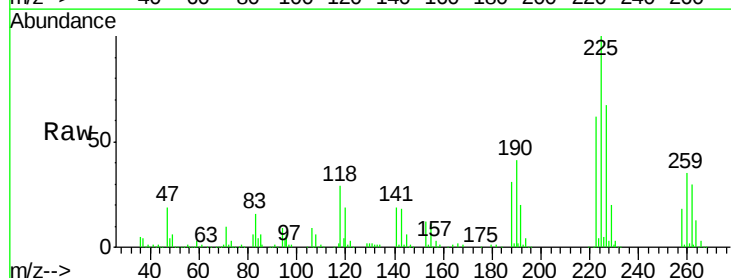


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

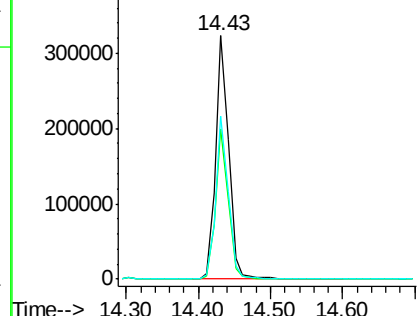
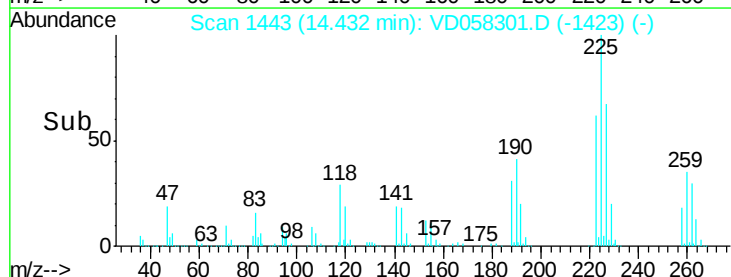


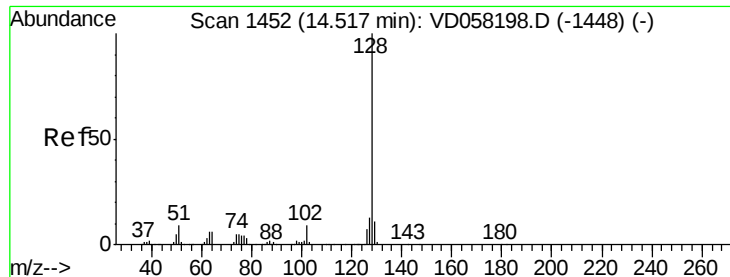
#94
 Hexachlorobutadiene
 Concen: 61.308 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058301.D
 Acq: 22 Jun 2018 17:26

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



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





#95

Naphthalene

Concen: 102.897 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

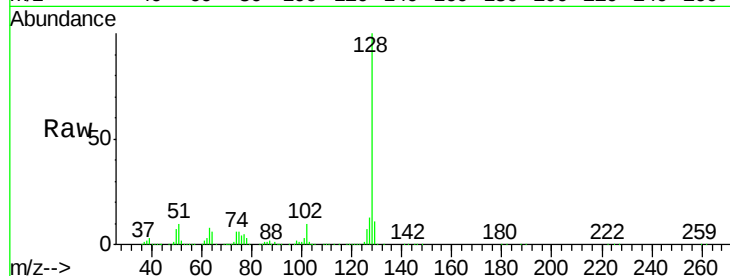
Tot Ion:128 Resp: 1135866

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

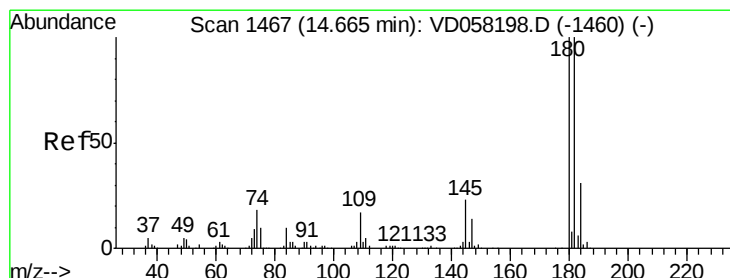
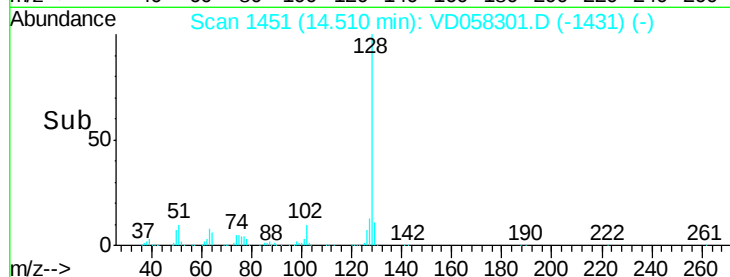
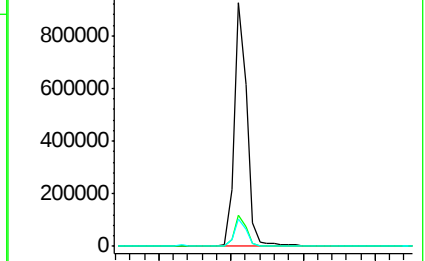
129 11.0 8.7 13.1



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: 68.661 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD058301.D

Acq: 22 Jun 2018 17:26

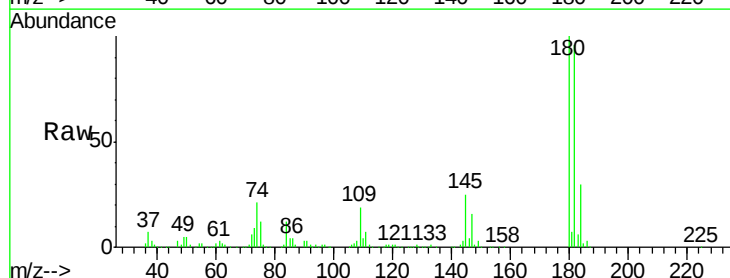
Tgt Ion:180 Resp: 503727

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

