

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058300.D
 Acq On : 22 Jun 2018 16:57
 Operator : VA/AP
 Sample : J3663-03
 Misc : 5.60g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jun 22 22:18:50 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	491538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	681720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	569045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	303883	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	320372	64.53	ug/l	0.00
Spiked Amount			Recovery	=	129.06%	
35) Dibromofluoromethane	5.55	113	330583	59.58	ug/l	0.00
Spiked Amount			Recovery	=	119.16%	
50) Toluene-d8	8.70	98	743557	55.39	ug/l	0.00
Spiked Amount			Recovery	=	110.78%	
62) 4-Bromofluorobenzene	11.93	95	325652	59.39	ug/l	0.00
Spiked Amount			Recovery	=	118.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	417989	94.678	ug/l	98
3) Chloromethane	1.48	50	205748	100.305	ug/l	100
4) Vinyl Chloride	1.55	62	224986	87.375	ug/l	99
5) Bromomethane	1.80	94	96002	Below Cal		95
6) Chloroethane	1.88	64	108273	Below Cal		98
7) Trichlorofluoromethane	2.08	101	338261	95.809	ug/l	94
8) Diethyl Ether	2.34	74	63250	84.699	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.55	101	201543	89.796	ug/l	91
10) Methyl Iodide	2.69	142	240613	94.246	ug/l #	94
11) Tert butyl alcohol	3.26	59	63594	388.357	ug/l #	75
12) 1,1-Dichloroethene	2.55	96	144888	85.797	ug/l	97
13) Acrolein	2.47	56	17924	191.744	ug/l	92
14) Allyl chloride	2.92	41	338791	86.197	ug/l #	96
15) Acrylonitrile	3.35	53	176468	406.427	ug/l	96
16) Acetone	2.61	43	772833	1138.212	ug/l	94
17) Carbon Disulfide	2.75	76	447697	77.922	ug/l	97
18) Methyl Acetate	2.93	43	101806	70.305	ug/l	99
19) Methyl tert-butyl Ether	3.41	73	474919	106.031	ug/l	99
20) Methylene Chloride	3.07	84	162899	96.314	ug/l	98
21) trans-1,2-Dichloroethene	3.38	96	187140	101.398	ug/l	91
22) Diisopropyl ether	4.06	45	1333479	85.423	ug/l	95
23) Vinyl Acetate	4.01	43	3335508	398.600	ug/l	100
24) 1,1-Dichloroethane	3.97	63	769224	91.466	ug/l	98
25) 2-Butanone	4.83	43	948846	641.167	ug/l	99
26) 2,2-Dichloropropane	4.79	77	647990	92.019	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	623706	135.235	ug/l	98
28) Bromochloromethane	5.15	49	314784	83.497	ug/l #	94
29) Tetrahydrofuran	5.19	42	266812	338.721	ug/l	98
30) Chloroform	5.31	83	790754	89.064	ug/l	97
31) Cyclohexane	5.59	56	545368	93.907	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	653107	89.032	ug/l	98
36) 1,1-Dichloropropene	5.74	75	538473	79.845	ug/l	97
37) Ethyl Acetate	4.92	43	272792	70.994	ug/l	97
38) Carbon Tetrachloride	5.72	117	542435	80.950	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	497689	75.766	ug/l	98
40) Benzene	6.01	78	1363968	84.904	ug/l	99
41) Methacrylonitrile	5.12	41	131970	71.125	ug/l	96
42) 1,2-Dichloroethane	6.12	62	511946	79.032	ug/l	100
43) Isopropyl Acetate	7.62	43	353681	69.041	ug/l	99
44) Trichloroethene	6.98	130	399766	82.871	ug/l	100
45) 1,2-Dichloropropane	7.34	63	358883	82.951	ug/l	97
46) Dibromomethane	7.46	93	226559	76.708	ug/l	99
47) Bromodichloromethane	7.74	83	576250	85.559	ug/l	98
48) Methyl methacrylate	7.50	41	213950	68.717	ug/l	99
49) 1,4-Dioxane	7.48	88	42236	1502.804	ug/l #	75
51) 4-Methyl-2-Pentanone	8.59	43	1589362	475.649	ug/l	100
52) Toluene	8.80	92	805981	88.109	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	452377	77.255	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	561046	81.727	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	245181	75.757	ug/l	97
56) Ethyl methacrylate	9.31	69	273869	70.757	ug/l	96
57) 1,3-Dichloropropane	9.66	76	418666	76.797	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	694542	362.472	ug/l	96
59) 2-Hexanone	9.78	43	928967	384.749	ug/l	98
60) Dibromochloromethane	9.95	129	349003	79.460	ug/l	94
61) 1,2-Dibromoethane	10.09	107	275005	77.636	ug/l	99
64) Tetrachloroethene	9.51	164	382203	79.825	ug/l	96
65) Chlorobenzene	10.72	112	2437180	228.967	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	310405	75.566	ug/l	98
67) Ethyl Benzene	10.86	91	1462097	77.805	ug/l	100
68) m/p-Xylenes	11.00	106	1020514	162.848	ug/l	96
69) o-Xylene	11.41	106	468505	78.276	ug/l	96
70) Styrene	11.43	104	783906	76.752	ug/l	97
71) Bromoform	11.59	173	238622	72.821	ug/l	98
73) Isopropylbenzene	11.77	105	1340476	73.747	ug/l	100
74) N-amyl acetate	11.64	43	487853	69.414	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	285776	67.560	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	292144	65.846	ug/l	100
77) Bromobenzene	12.04	156	419918	77.149	ug/l	88
78) n-propylbenzene	12.16	91	1807027	76.983	ug/l	99
79) 2-Chlorotoluene	12.21	91	1030978	76.754	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	1180604	83.274	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	73379	67.812	ug/l	91
82) 4-Chlorotoluene	12.32	91	1127796	90.566	ug/l	91
83) tert-Butylbenzene	12.58	119	1245737	76.428	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	1558960	101.160	ug/l	100
85) sec-Butylbenzene	12.76	105	1337258	69.994	ug/l	97
86) p-Isopropyltoluene	12.88	119	1164059	75.186	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	1344001	142.066	ug/l	100
88) 1,4-Dichlorobenzene	12.92	146	1942350	210.250	ug/l	94
89) n-Butylbenzene	13.19	91	582479	35.797	ug/l	96
90) Hexachloroethane	13.40	117	308770	76.837	ug/l	74
91) 1,2-Dichlorobenzene	13.20	146	5944350	738.358	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	48306	71.757	ug/l	70

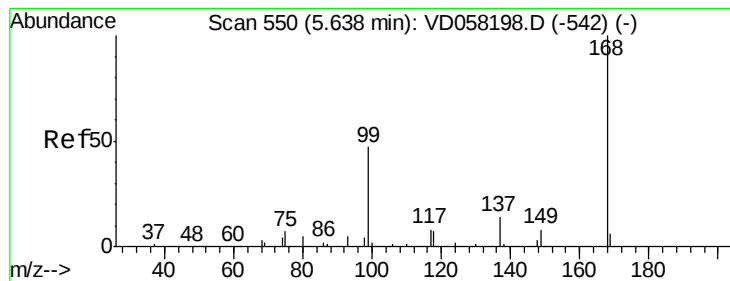
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	569031	73.901	µg/l	97
94) Hexachlorobutadiene	14.43	225	416089	69.089	µg/l	98
95) Naphthalene	14.52	128	1022747	100.836	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	451484	66.978	µg/l	98

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

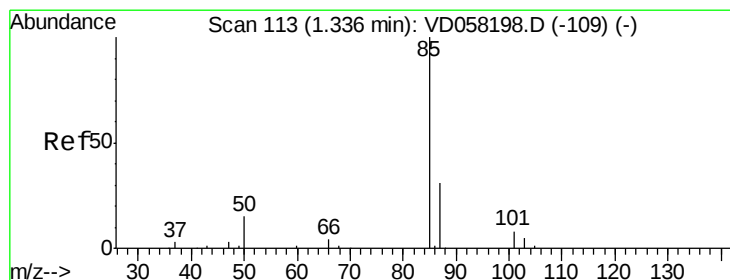
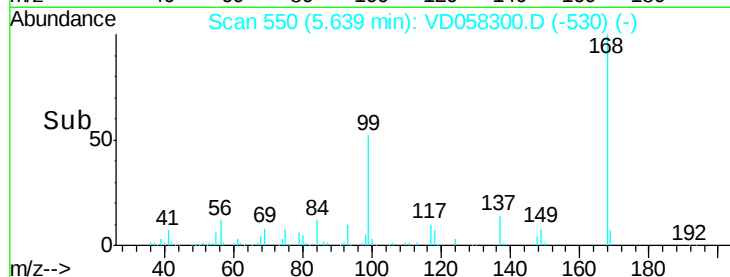
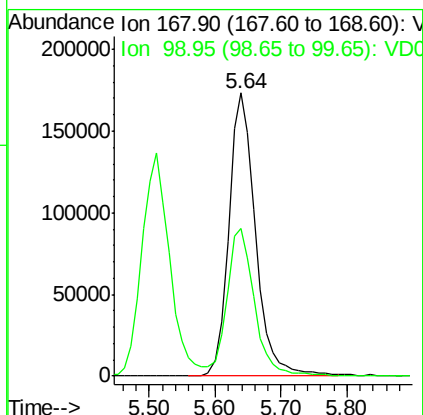
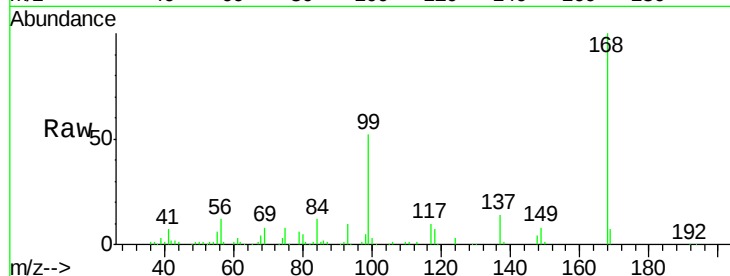


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

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

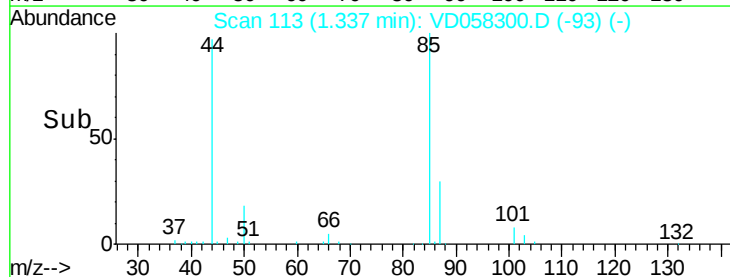
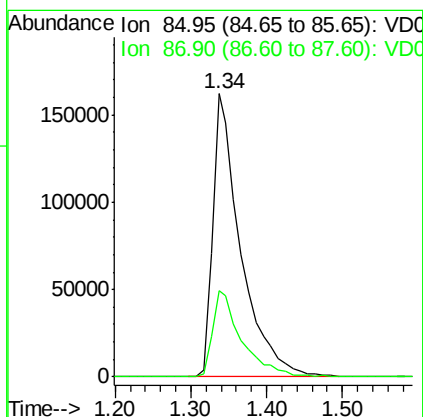
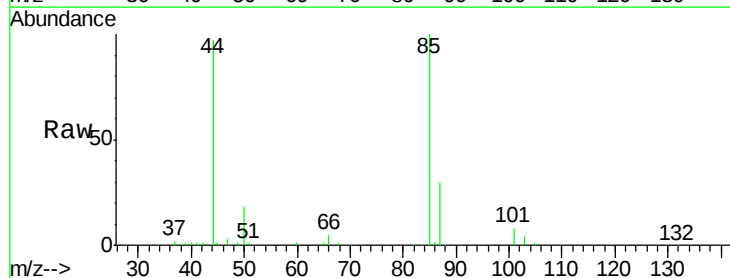
Tot Ion:168 Resp: 491538
 Ion Ratio Lower Upper
 168 100
 99 52.0 41.1 61.7

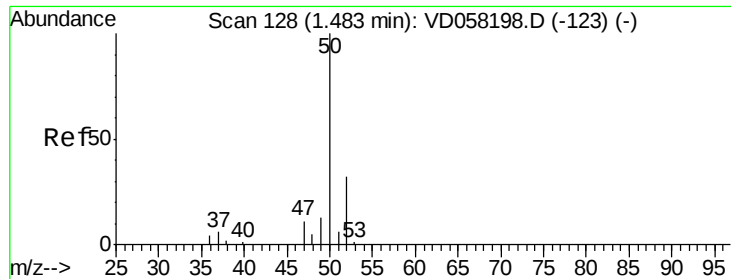


#2

Dichlorodifluoromethane
 Concen: 94.678 ug/l
 RT: 1.34 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion: 85 Resp: 417989
 Ion Ratio Lower Upper
 85 100
 87 30.3 15.7 47.0





#3

Chloromethane

Concen: 100.305 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

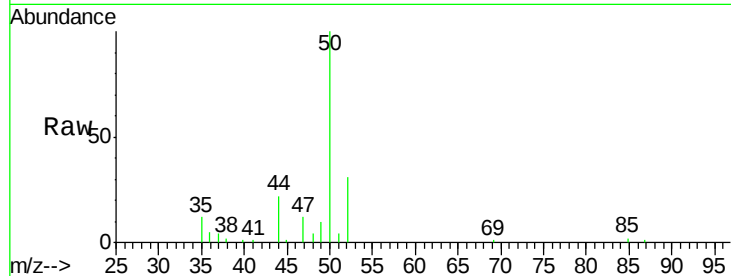
WP021SB472-13-15-180618MS

Tot Ion: 50 Resp: 205748

Ion Ratio Lower Upper

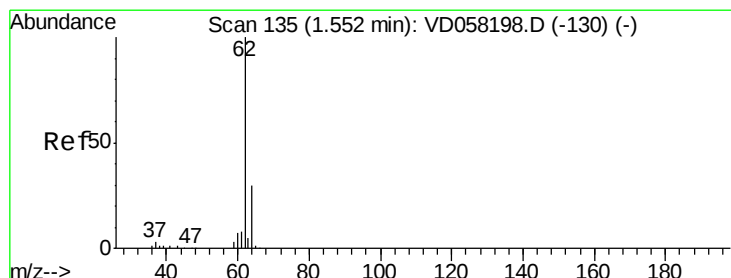
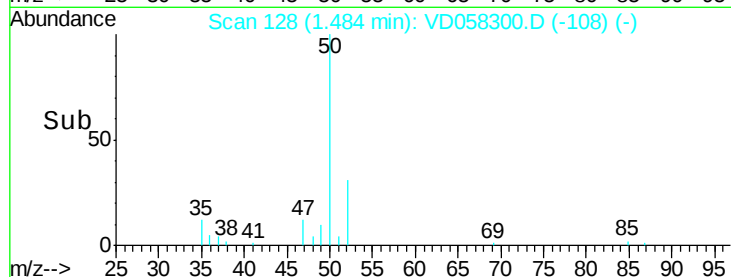
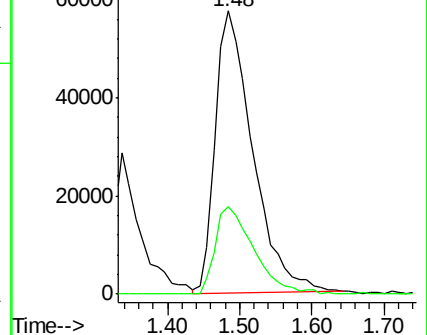
50 100

52 31.1 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 87.375 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058300.D

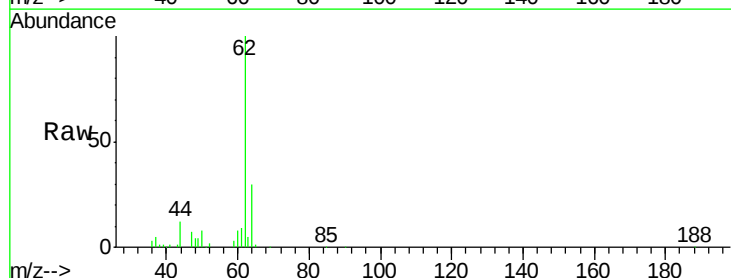
Acq: 22 Jun 2018 16:57

Tgt Ion: 62 Resp: 224986

Ion Ratio Lower Upper

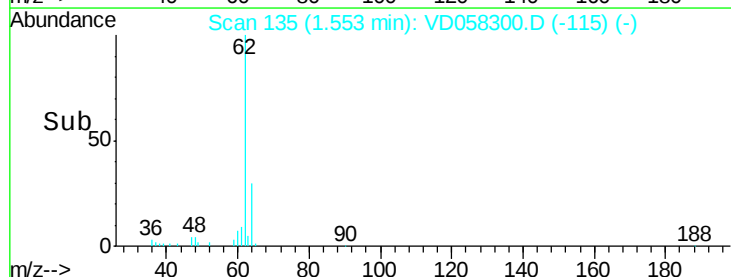
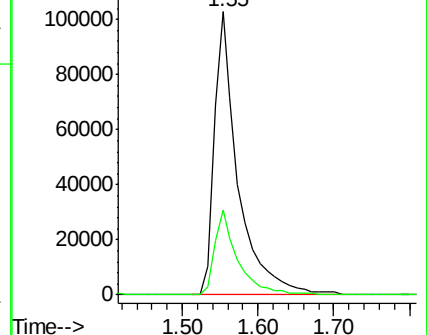
62 100

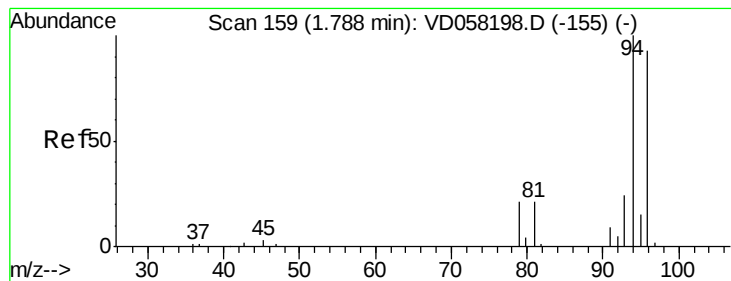
64 29.8 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: Below Cal

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

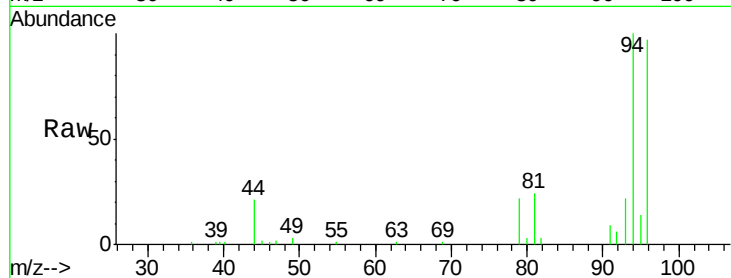
WP021SB472-13-15-180618MS

Tot Ion: 94 Resp: 96002

Ion Ratio Lower Upper

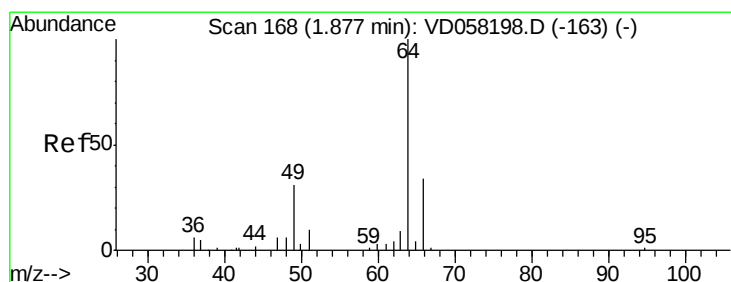
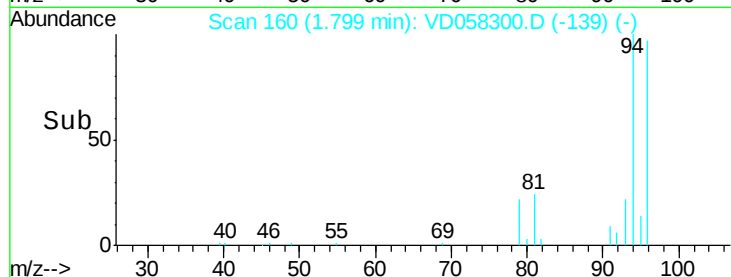
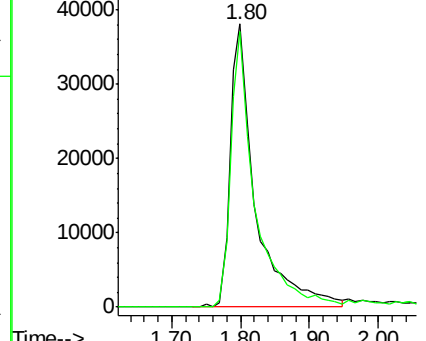
94 100

96 97.2 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: VD058300.D

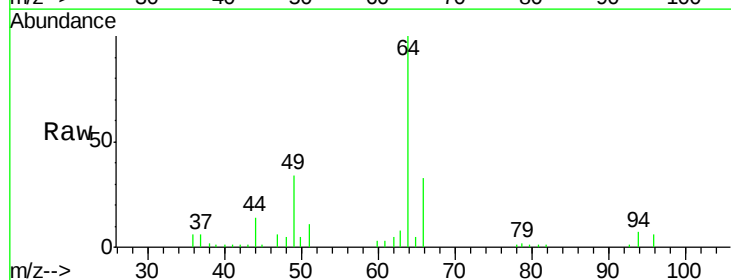
Acq: 22 Jun 2018 16:57

Tgt Ion: 64 Resp: 108273

Ion Ratio Lower Upper

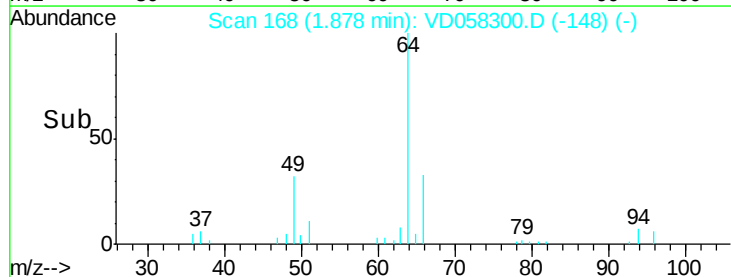
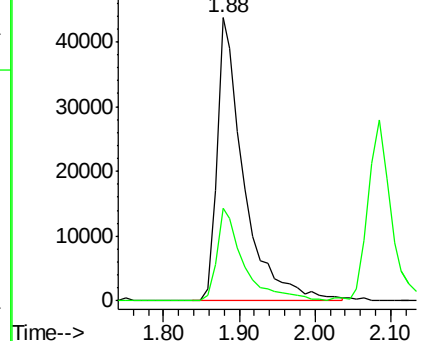
64 100

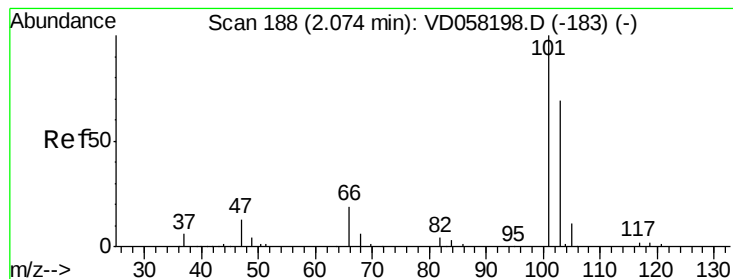
66 33.0 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



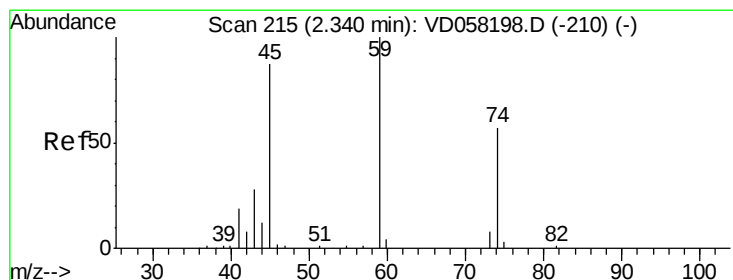
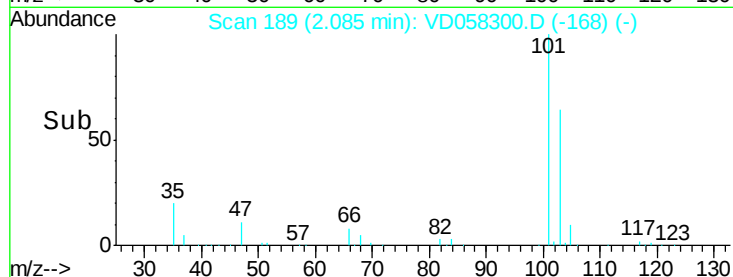
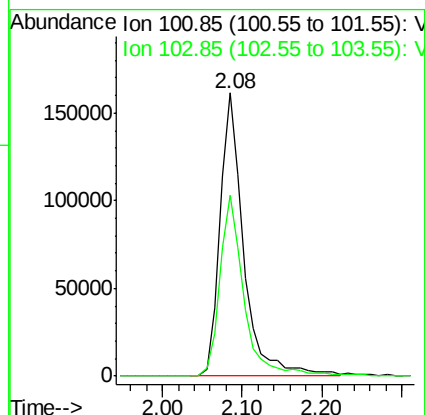
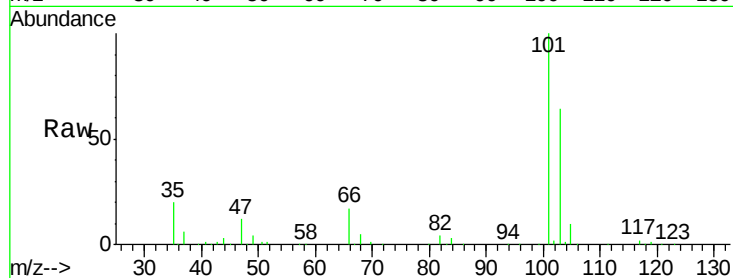


#7

Trichlorofluoromethane
 Concen: 95.809 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Instrument :
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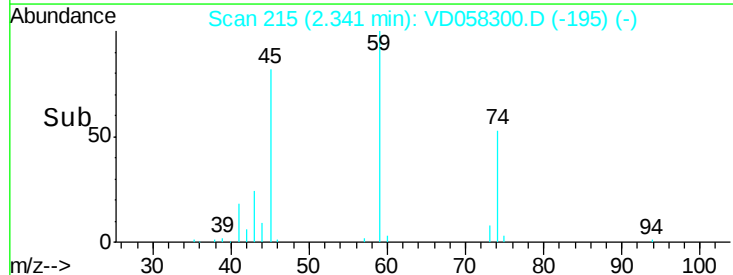
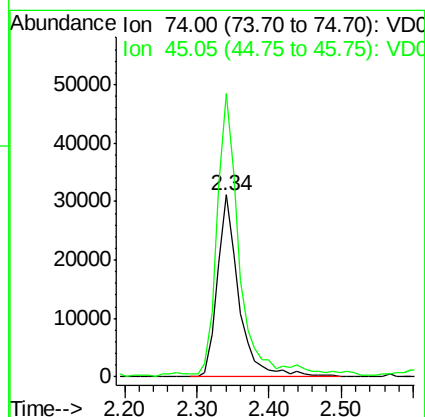
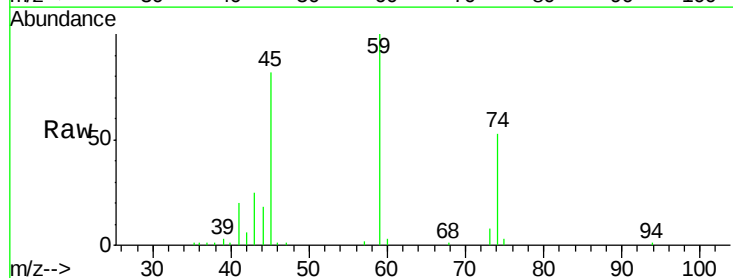
Tot Ion:101 Resp: 338261
 Ion Ratio Lower Upper
 101 100
 103 64.2 55.1 82.7

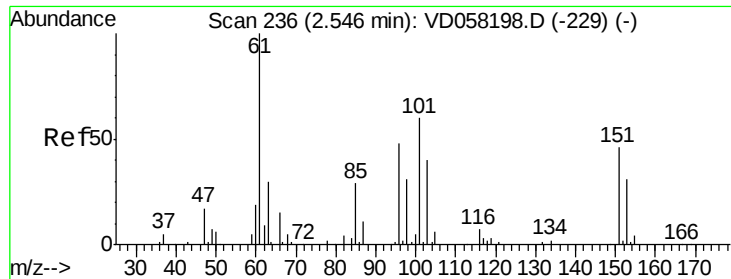


#8

Diethyl Ether
 Concen: 84.699 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion: 74 Resp: 63250
 Ion Ratio Lower Upper
 74 100
 45 155.8 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.796 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

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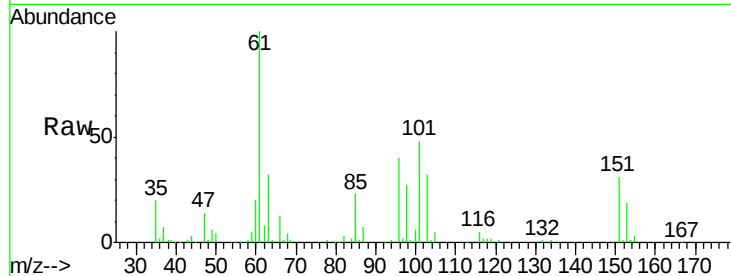
Tot Ion:101 Resp: 201543

Ion Ratio Lower Upper

101 100

85 47.7 39.0 58.4

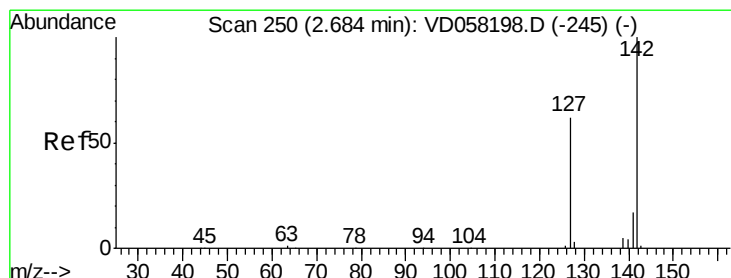
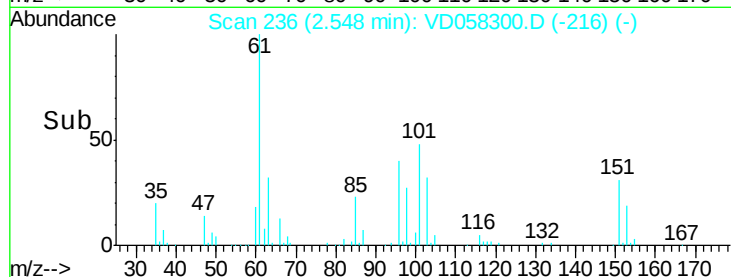
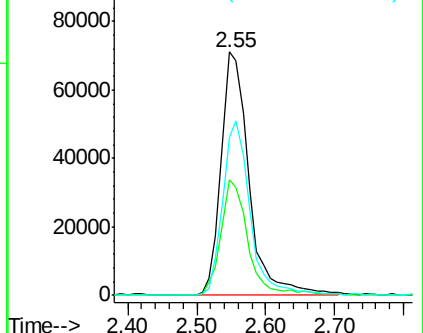
151 64.7 61.8 92.8



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: 94.246 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

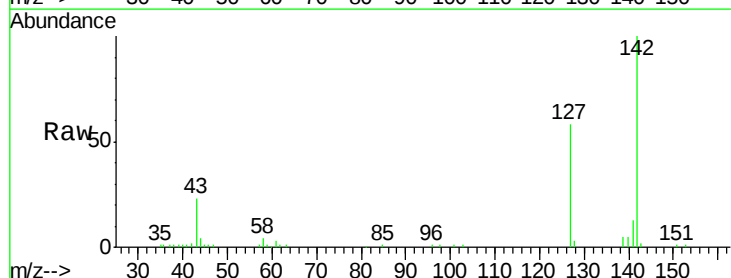
Tgt Ion:142 Resp: 240613

Ion Ratio Lower Upper

142 100

127 58.0 49.4 74.0

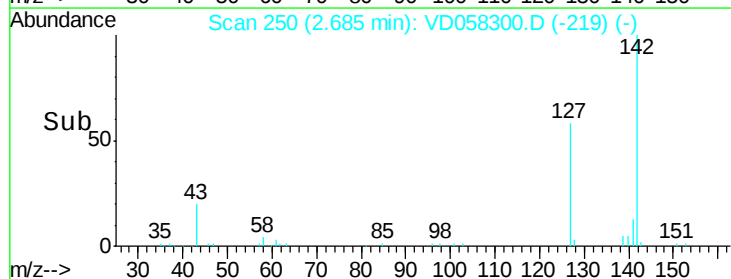
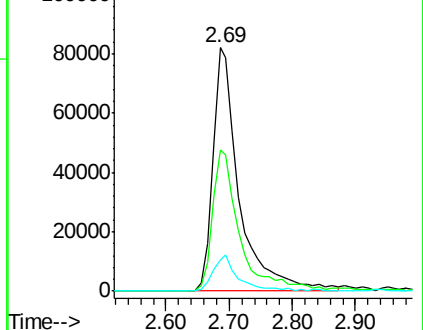
141 12.6 13.5 20.3#



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



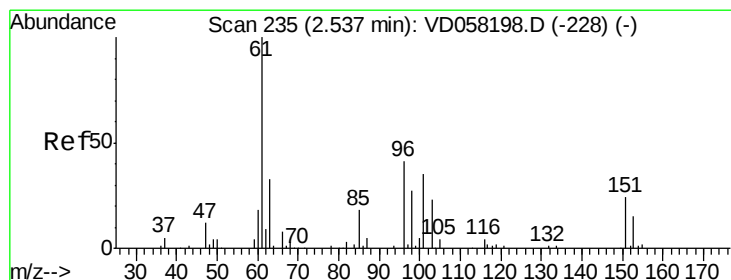
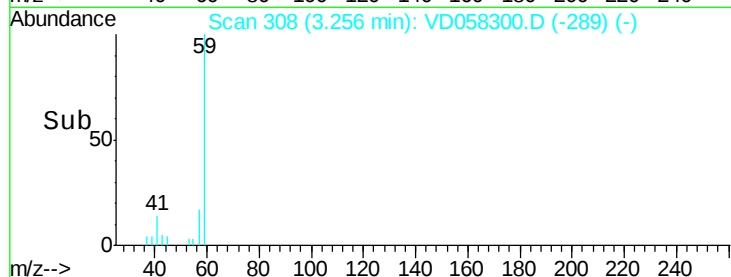
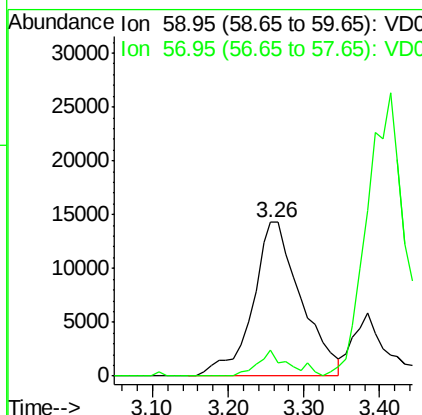
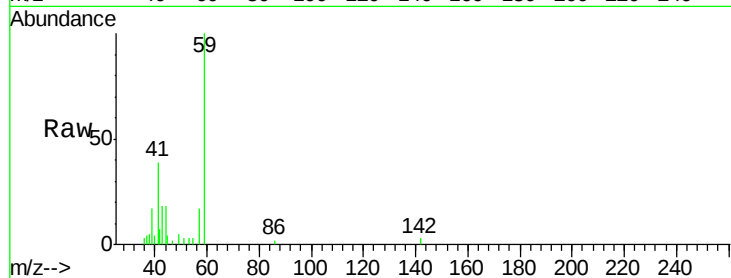


#11

Tert butyl alcohol
 Concen: 388.357 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

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

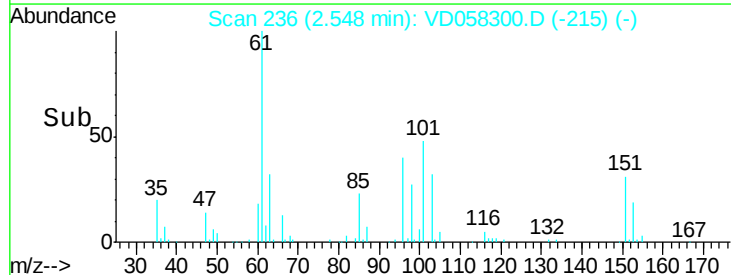
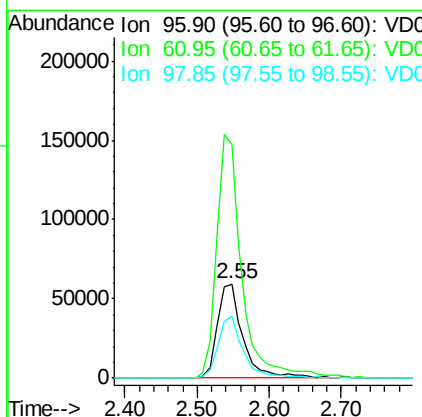
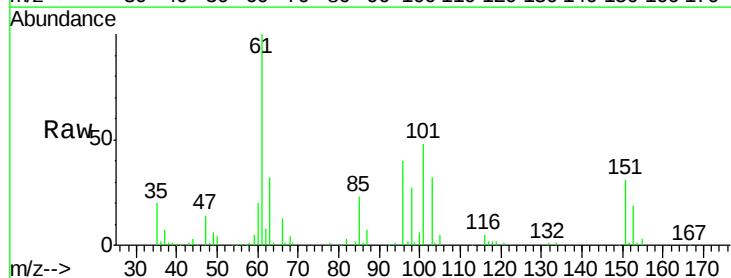
Tot Ion: 59 Resp: 63594
 Ion Ratio Lower Upper
 59 100
 57 16.6 6.2 9.4#

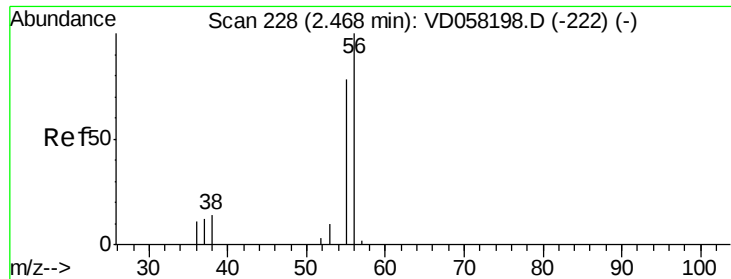


#12

1,1-Dichloroethene
 Concen: 85.797 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion: 96 Resp: 144888
 Ion Ratio Lower Upper
 96 100
 61 247.8 193.9 290.9
 98 66.0 51.7 77.5

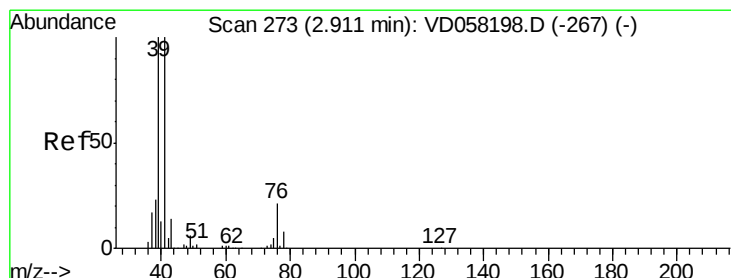
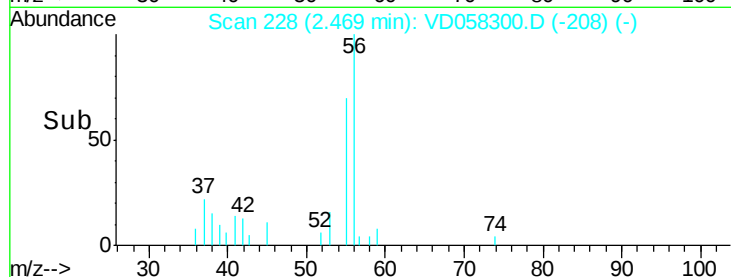
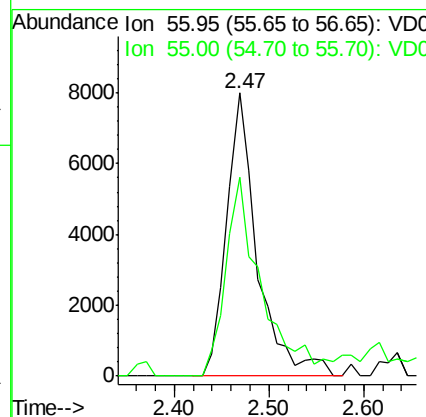
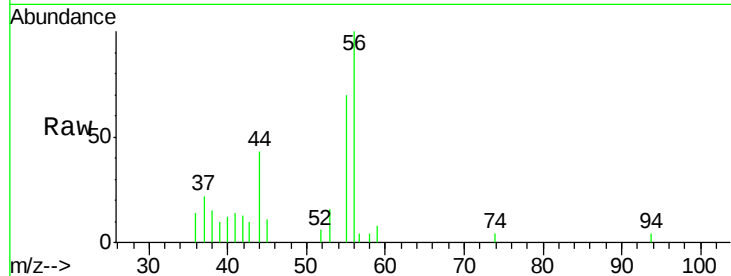




#13
Acrolein
Concen: 191.744 ug/l
RT: 2.47 min Scan# 228
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

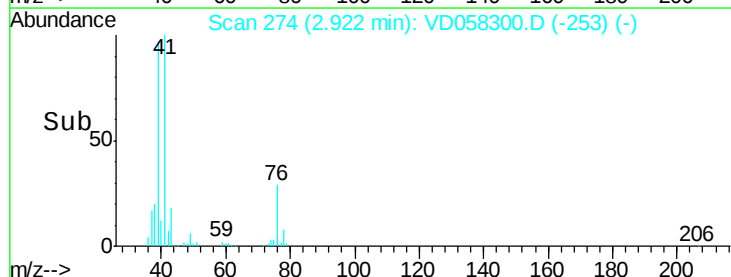
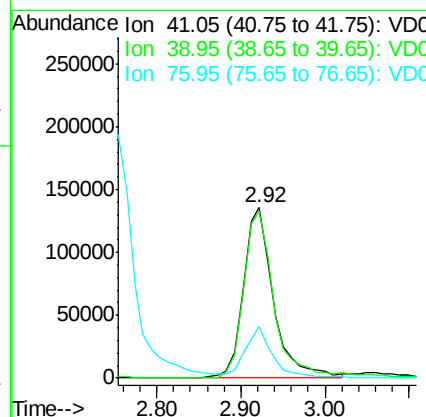
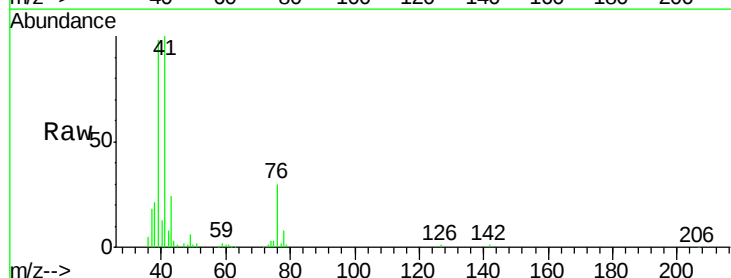
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

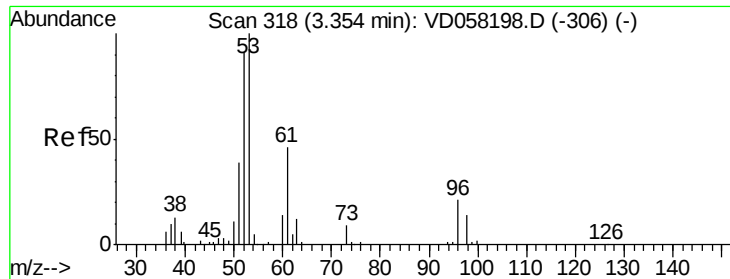
Tot Ion: 56 Resp: 17924
Ion Ratio Lower Upper
56 100
55 70.3 62.1 93.1



#14
Allyl chloride
Concen: 86.197 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion: 41 Resp: 338791
Ion Ratio Lower Upper
41 100
39 97.8 80.1 120.1
76 29.9 19.4 29.2#





#15

Acrylonitrile

Concen: 406.427 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

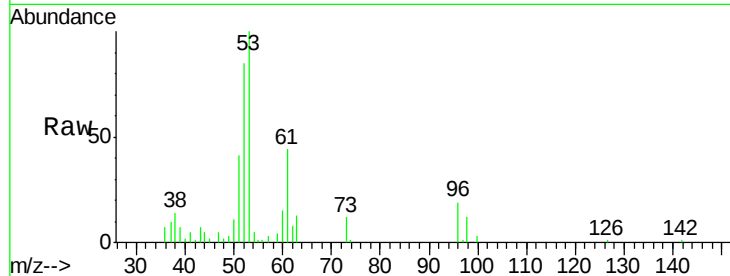
Tot Ion: 53 Resp: 176468

Ion Ratio Lower Upper

53 100

52 85.2 72.6 108.8

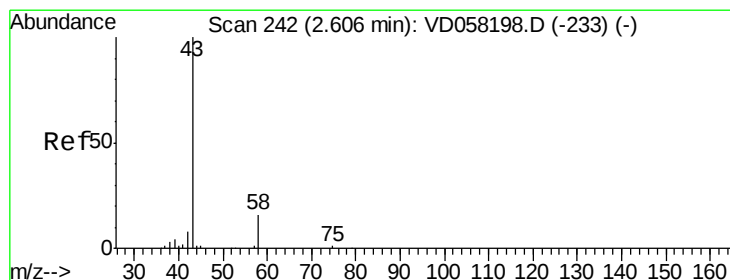
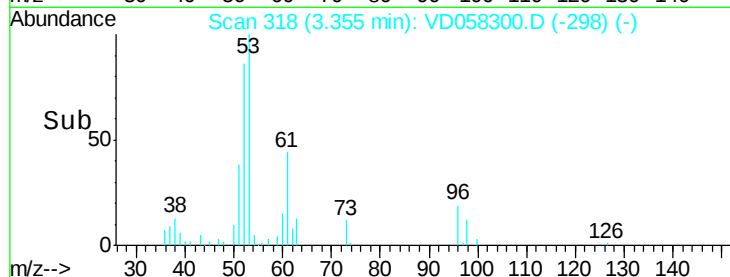
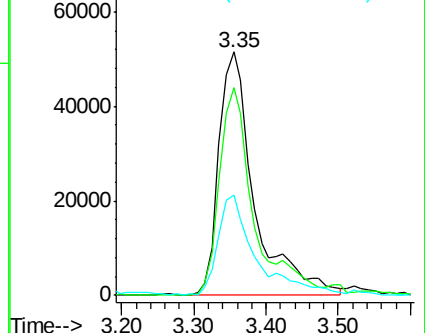
51 41.2 32.2 48.4



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: 1138.212 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058300.D

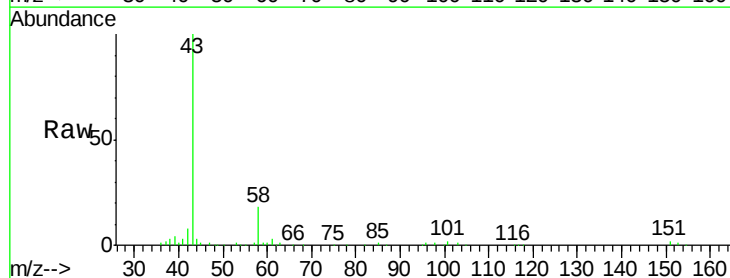
Acq: 22 Jun 2018 16:57

Tgt Ion: 43 Resp: 772833

Ion Ratio Lower Upper

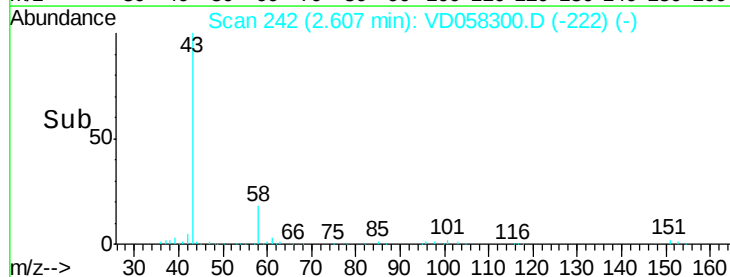
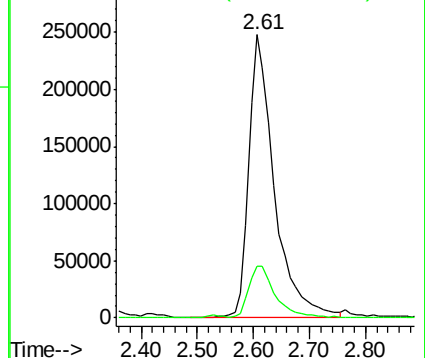
43 100

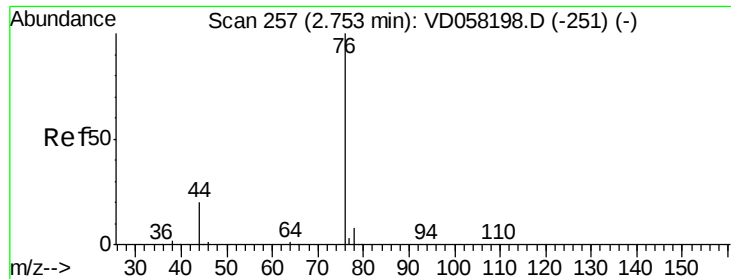
58 18.5 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

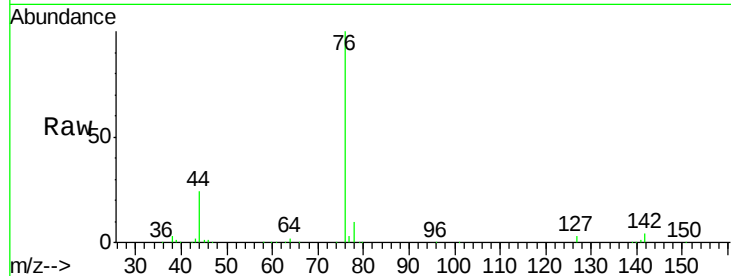




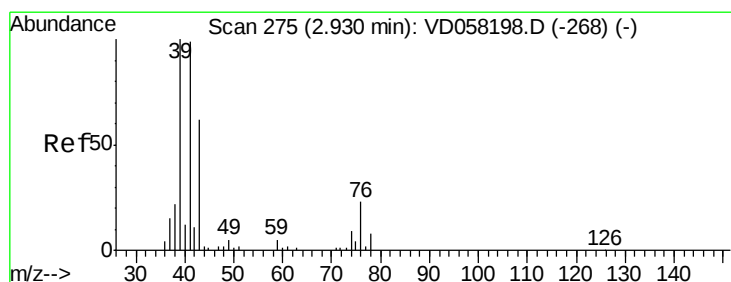
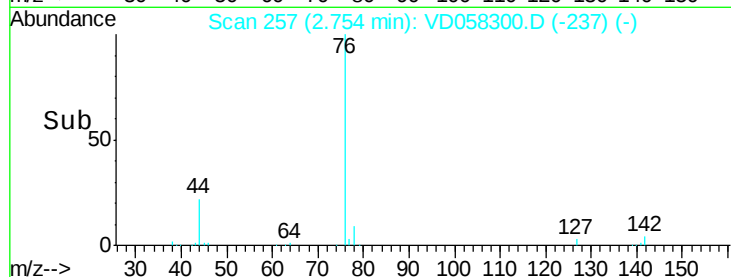
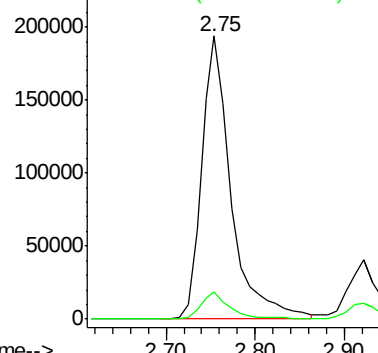
#17
Carbon Disulfide
Concen: 77.922 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

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

Tot Ion: 76 Resp: 447697
Ion Ratio Lower Upper
76 100
78 9.7 6.8 10.2

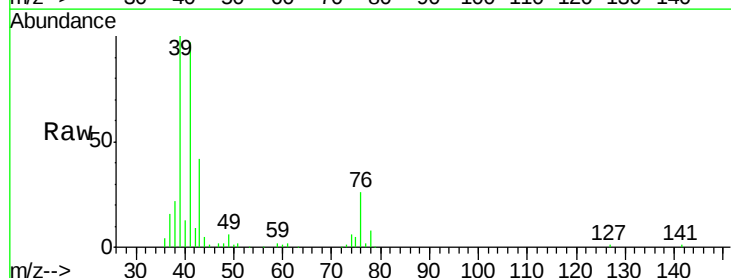


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

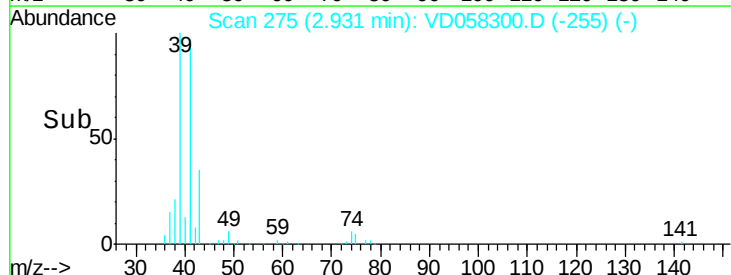
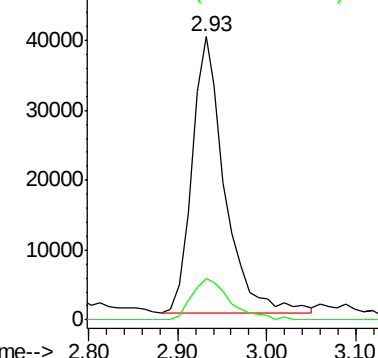


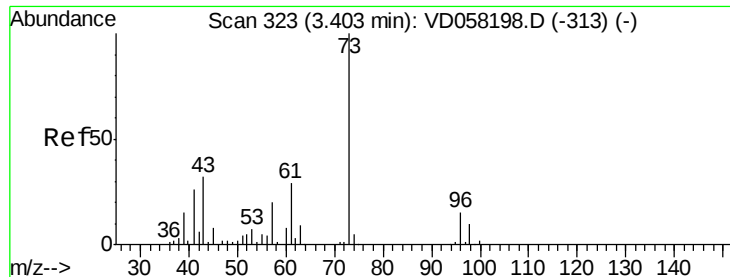
#18
Methyl Acetate
Concen: 70.305 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion: 43 Resp: 101806
Ion Ratio Lower Upper
43 100
74 14.9 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



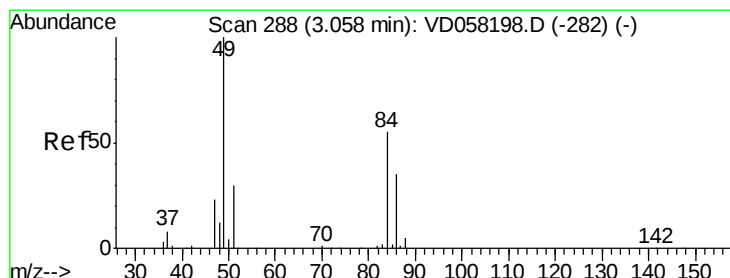
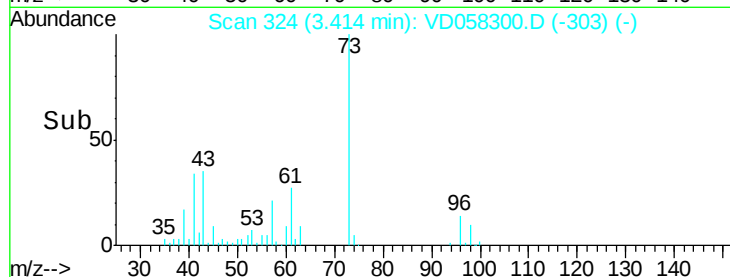
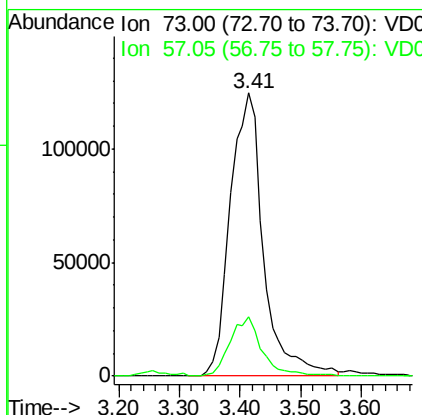
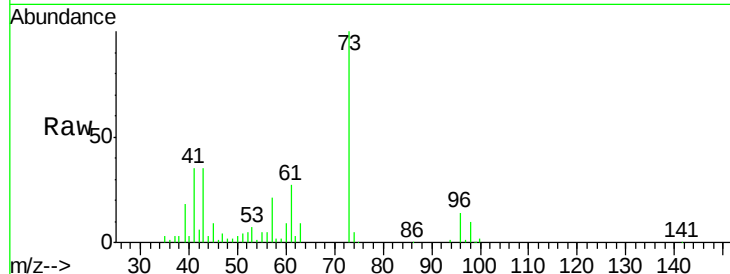


#19

Methyl tert-butyl Ether
 Concen: 106.031 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

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

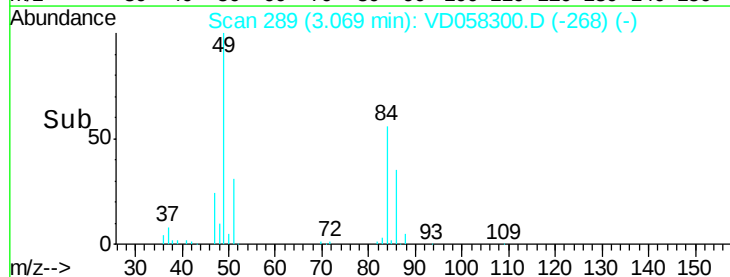
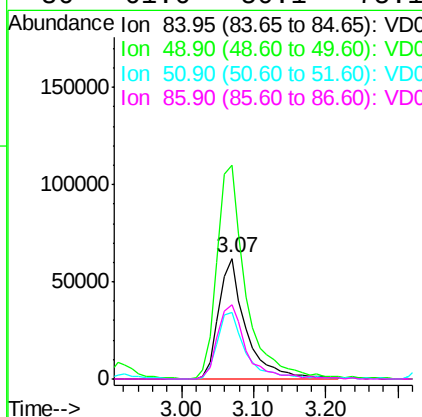
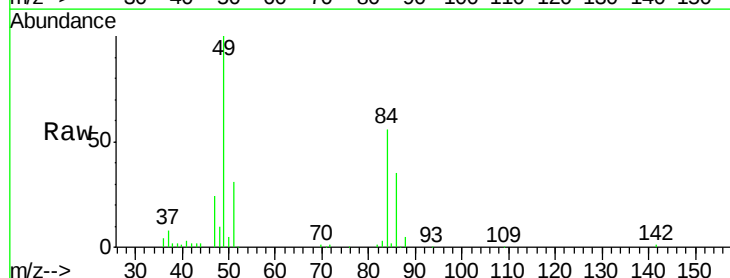
Tot Ion: 73 Resp: 474919
 Ion Ratio Lower Upper
 73 100
 57 21.1 16.6 24.8

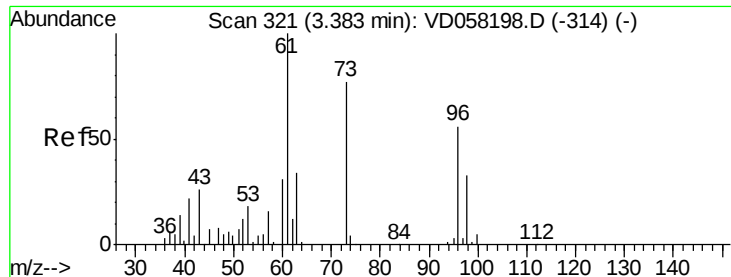


#20

Methylene Chloride
 Concen: 96.314 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion: 84 Resp: 162899
 Ion Ratio Lower Upper
 84 100
 49 177.1 145.0 217.6
 51 55.2 42.9 64.3
 86 61.6 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 101.398 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

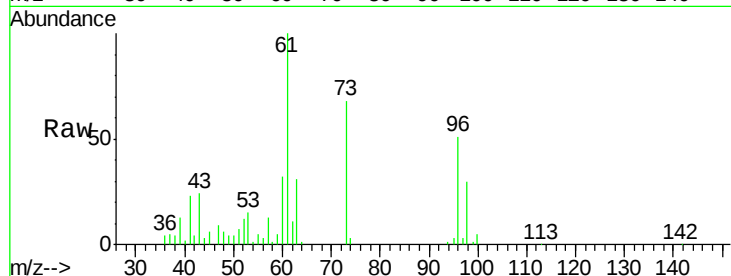
Tot Ion: 96 Resp: 187140

Ion Ratio Lower Upper

96 100

61 196.7 143.8 215.6

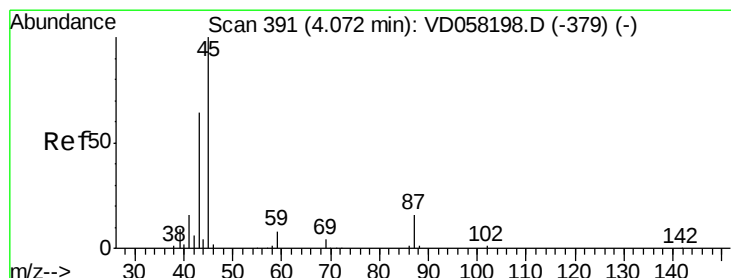
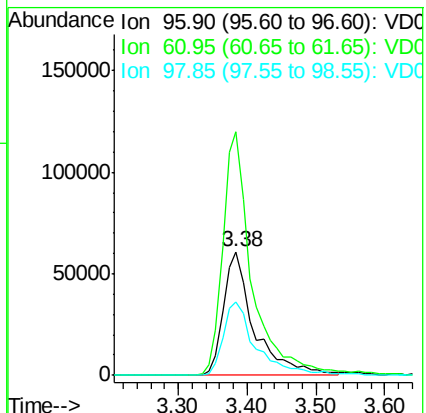
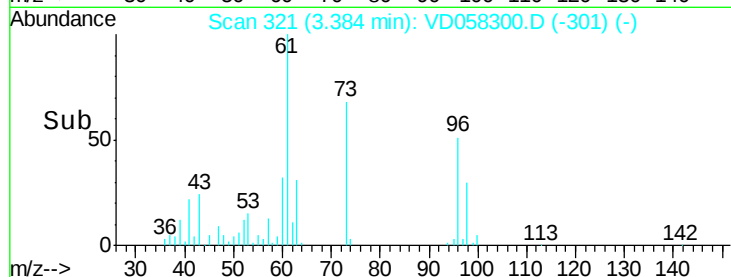
98 59.7 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 85.423 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion: 45 Resp: 1333479

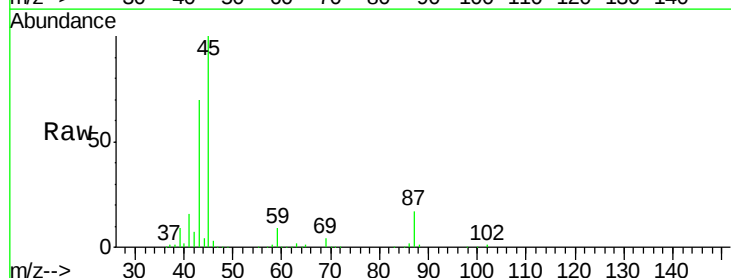
Ion Ratio Lower Upper

45 100

43 69.6 51.4 77.0

87 17.0 13.0 19.4

59 9.0 6.9 10.3

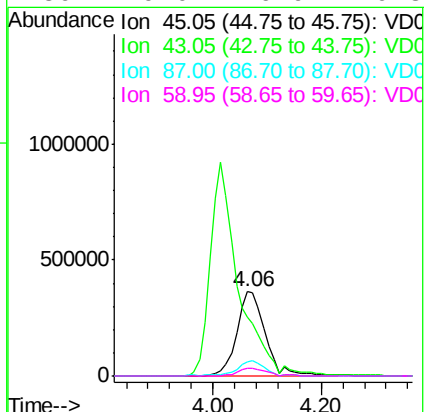
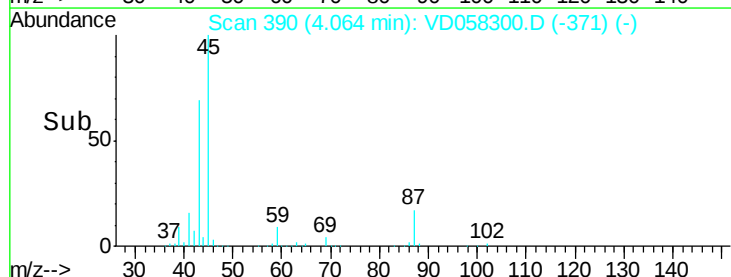


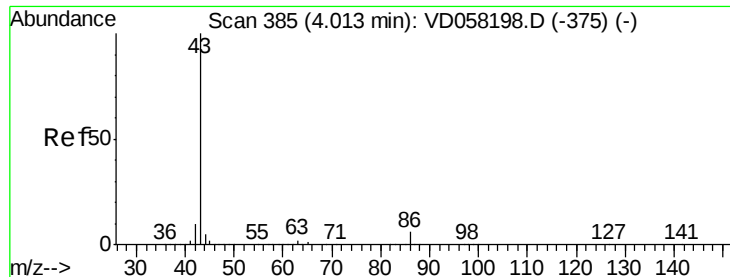
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 398.600 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

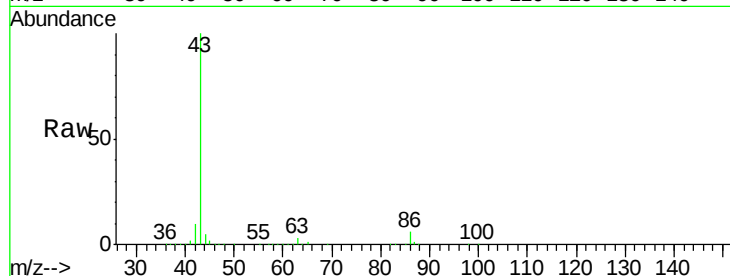
WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 3335508

Ion Ratio Lower Upper

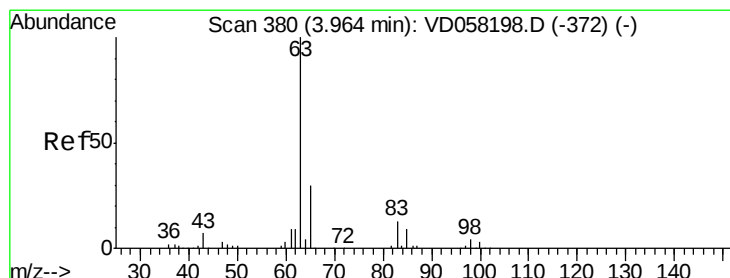
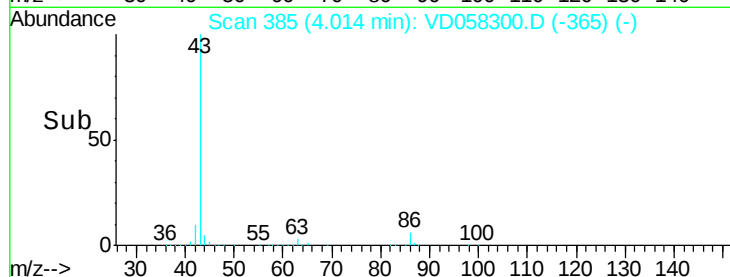
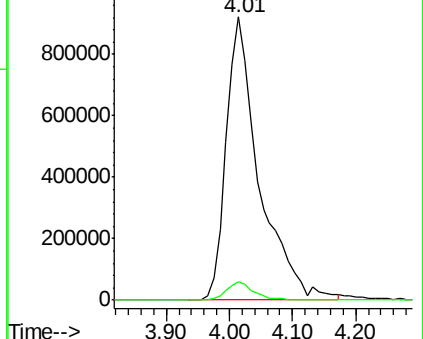
43 100

86 6.3 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: 91.466 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

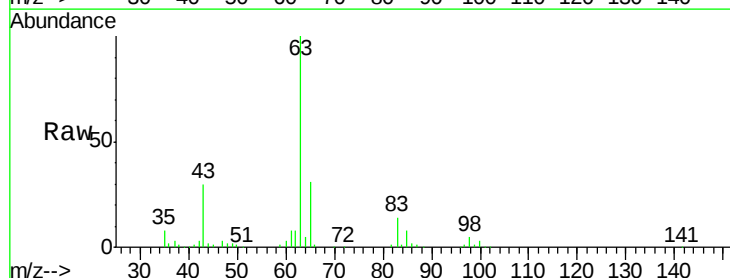
Tgt Ion: 63 Resp: 769224

Ion Ratio Lower Upper

63 100

98 4.7 1.9 5.7

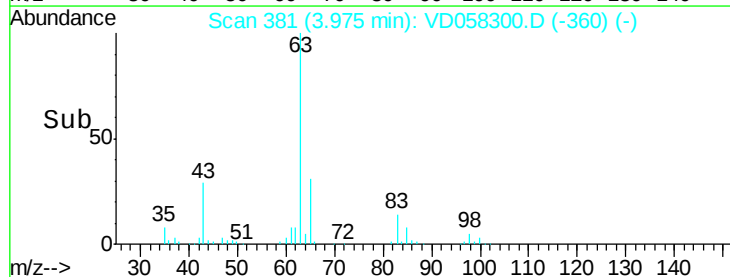
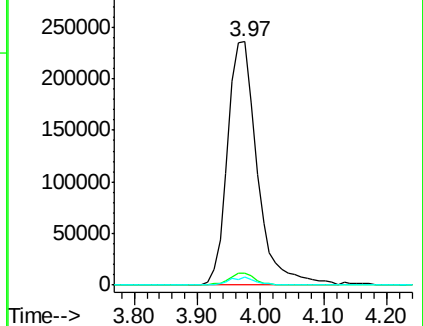
100 3.2 1.3 3.9

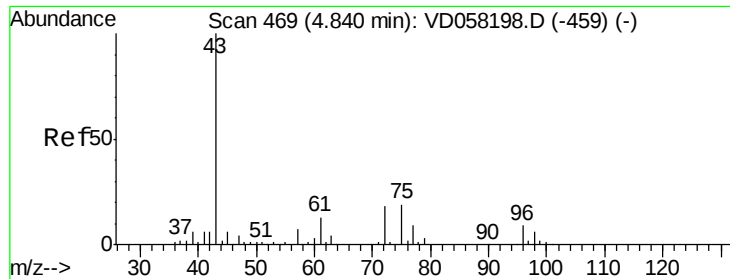


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 641.167 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

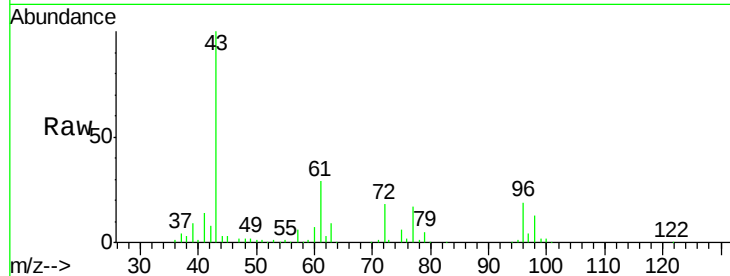
WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 948846

Ion Ratio Lower Upper

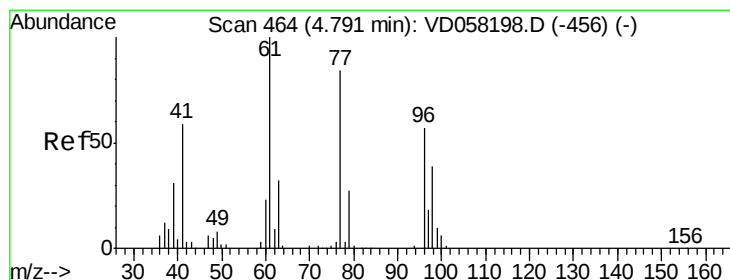
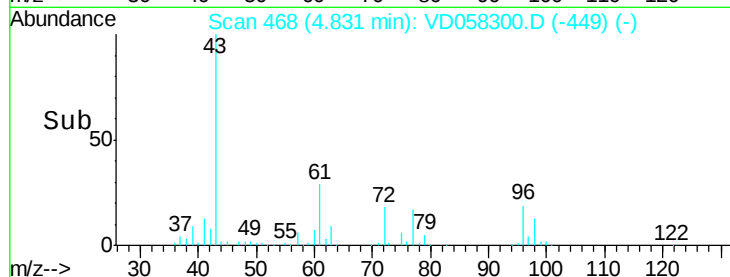
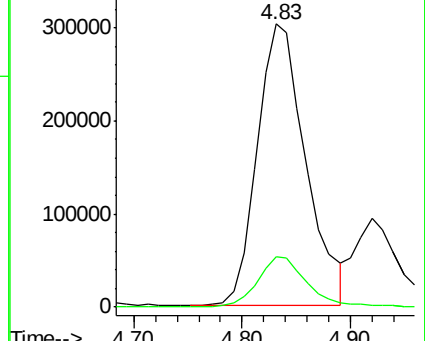
43 100

72 17.9 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: 92.019 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058300.D

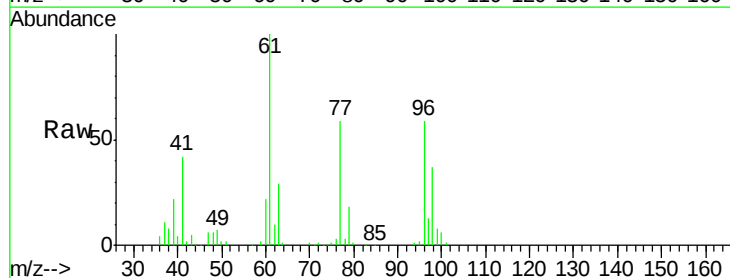
Acq: 22 Jun 2018 16:57

Tgt Ion: 77 Resp: 647990

Ion Ratio Lower Upper

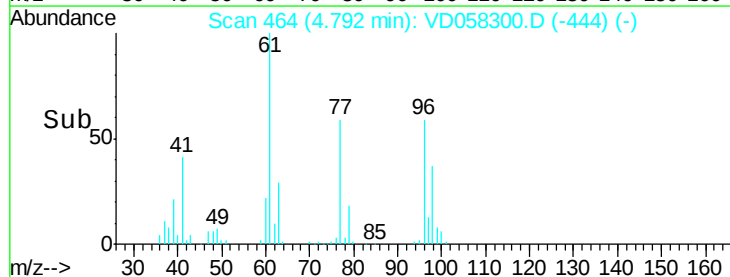
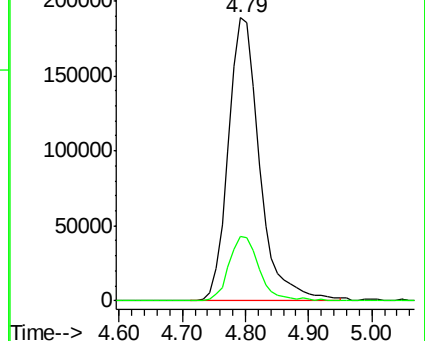
77 100

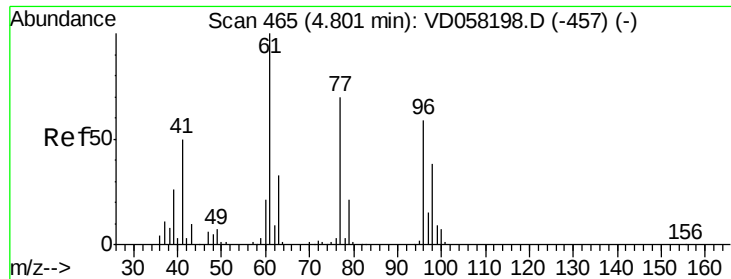
97 22.6 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



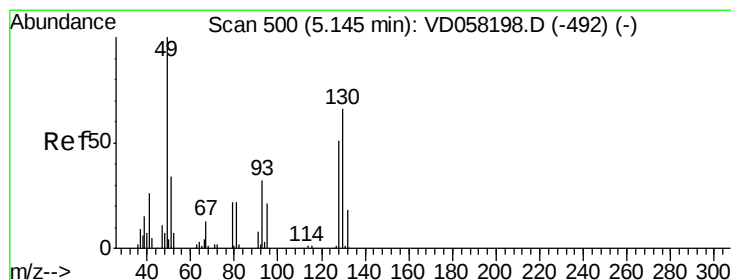
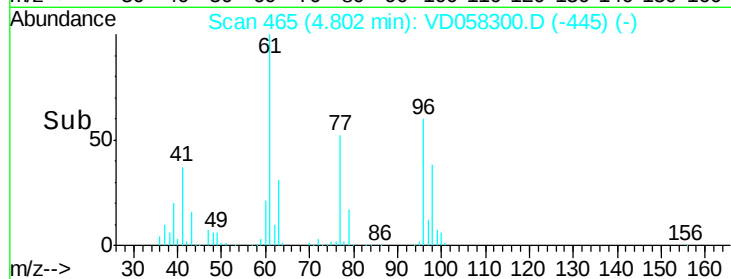
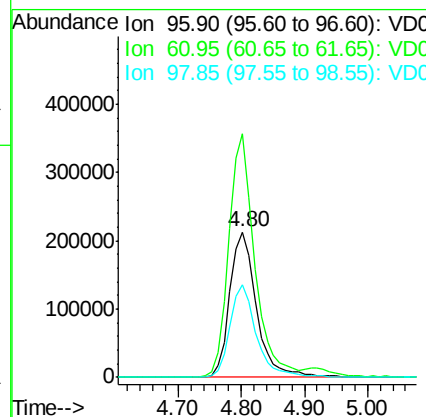
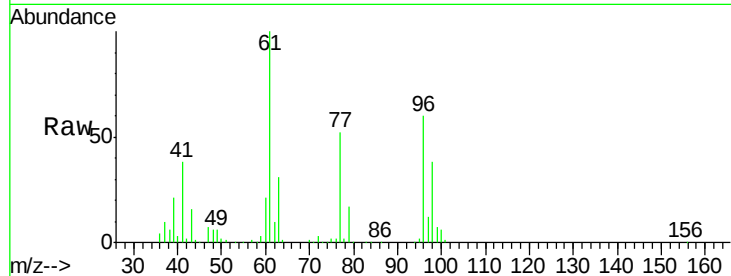


#27

cis-1,2-Dichloroethene
 Concen: 135.235 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

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

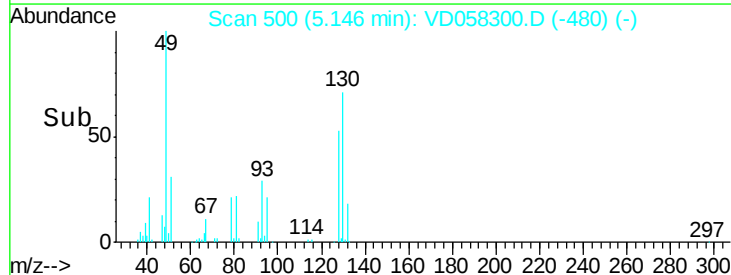
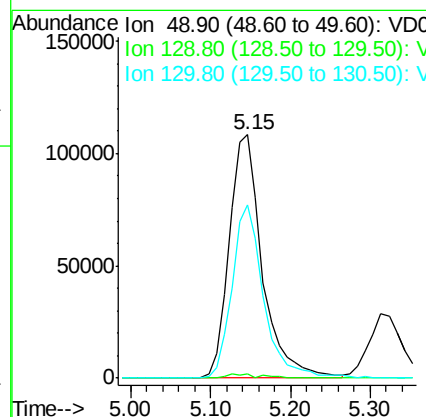
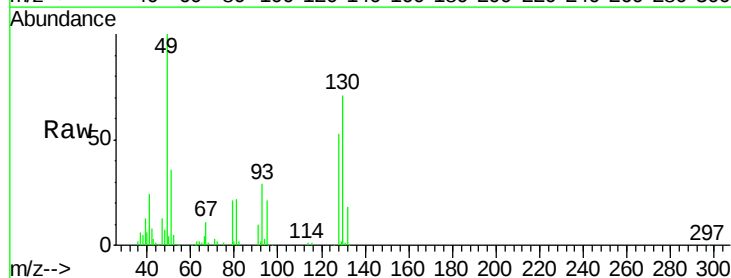
Tot Ion	Ratio	Lower	Upper
96	100		
61	167.4	0.0	338.6
98	63.7	0.0	130.2



#28

Bromochloromethane
 Concen: 83.497 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	70.9	52.6	79.0

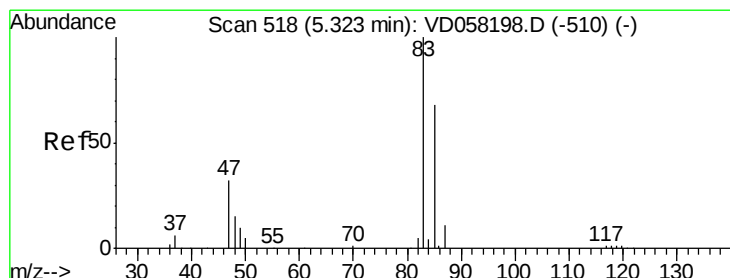
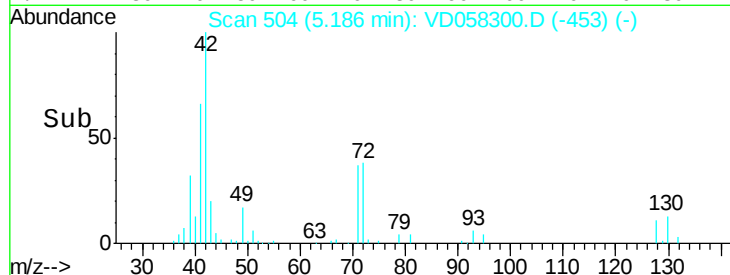
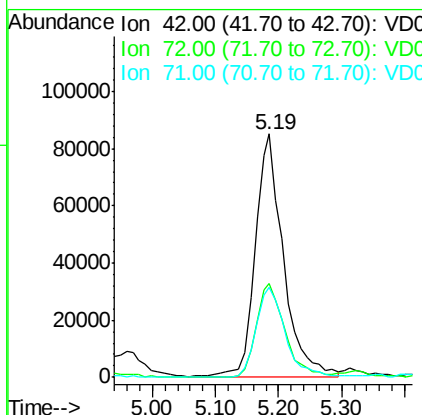
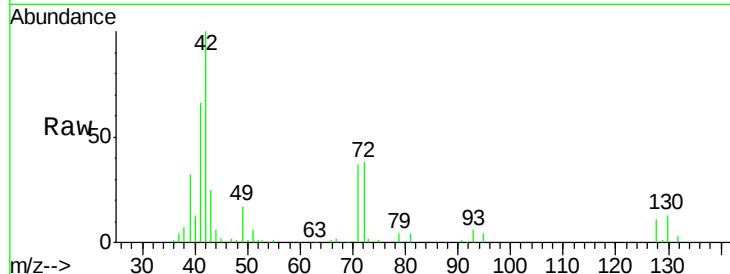




#29
Tetrahydrofuran
Concen: 338.721 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

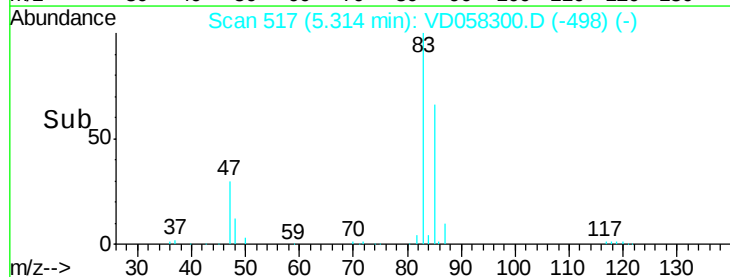
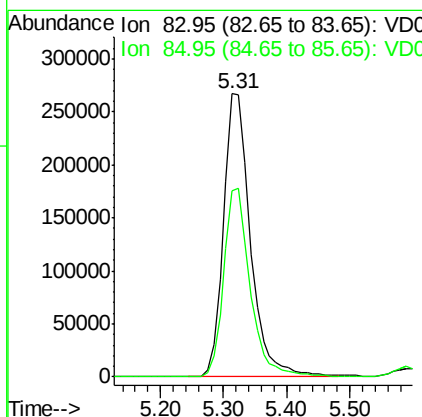
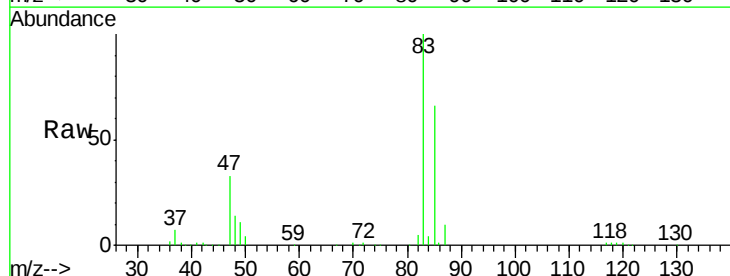
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

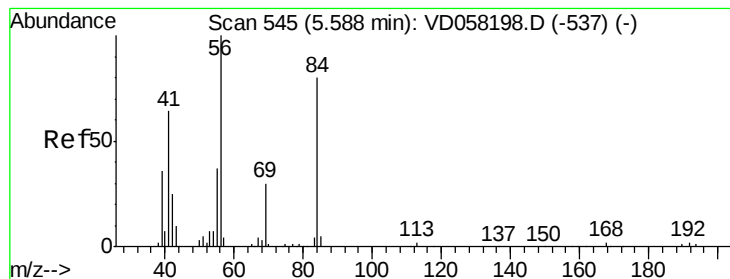
Tot Ion: 42 Resp: 266812
Ion Ratio Lower Upper
42 100
72 39.0 30.2 45.2
71 38.2 30.1 45.1



#30
Chloroform
Concen: 89.064 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion: 83 Resp: 790754
Ion Ratio Lower Upper
83 100
85 65.8 54.8 82.2





#31

Cvclohexane

Concen: 93.907 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

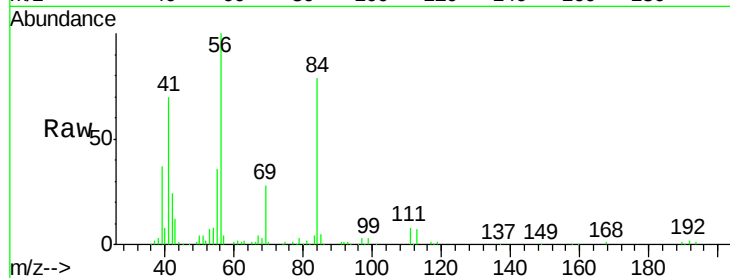
Tot Ion: 56 Resp: 545368

Ion Ratio Lower Upper

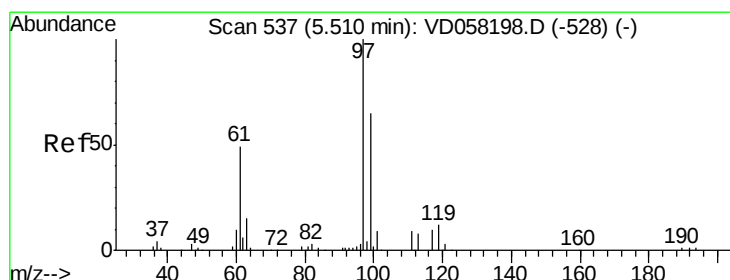
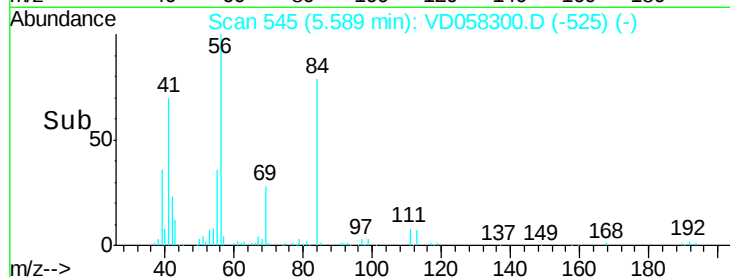
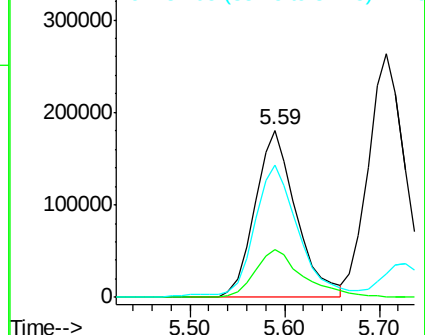
56 100

69 28.4 23.6 35.4

84 79.4 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: 89.032 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

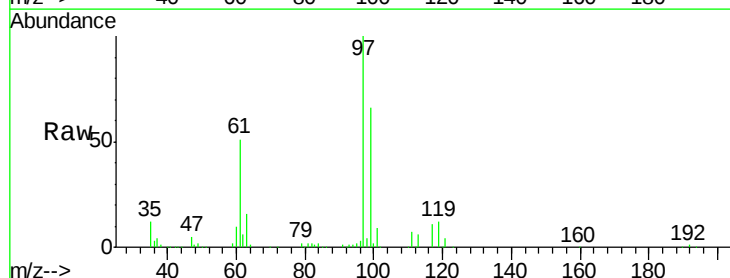
Tgt Ion: 97 Resp: 653107

Ion Ratio Lower Upper

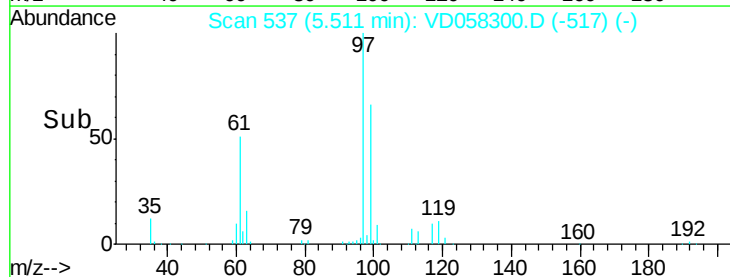
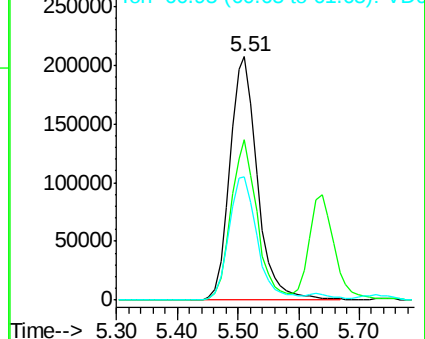
97 100

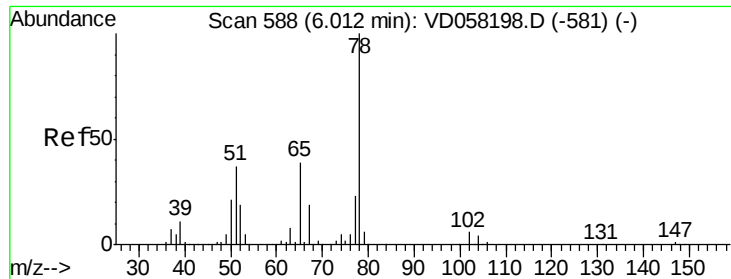
99 66.1 52.2 78.4

61 50.8 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

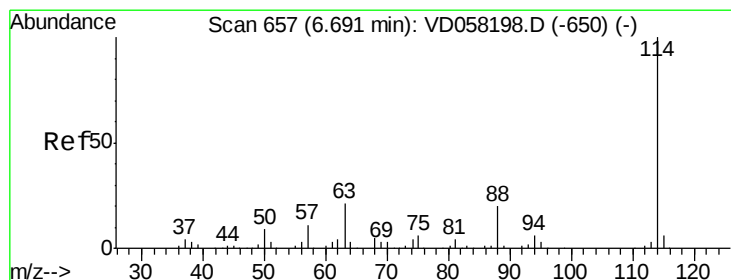
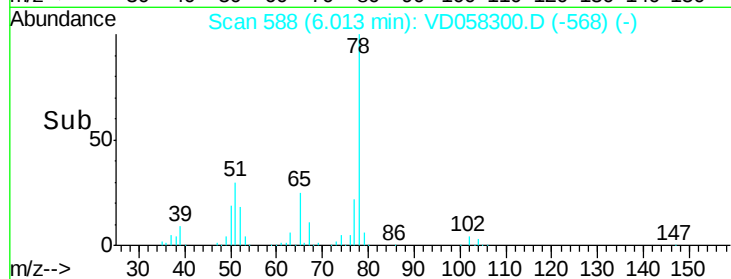
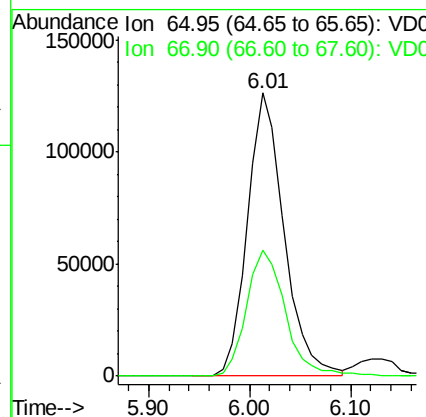
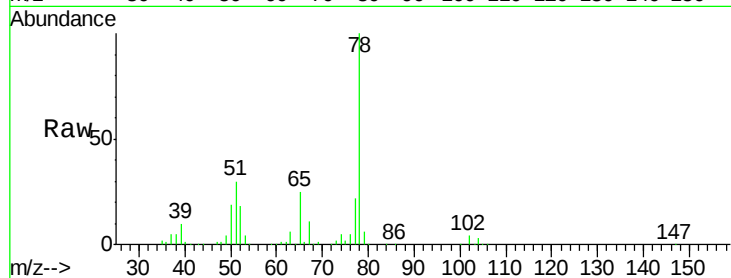




#33
 1,2-Dichloroethane-d4
 Concen: 89.032 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

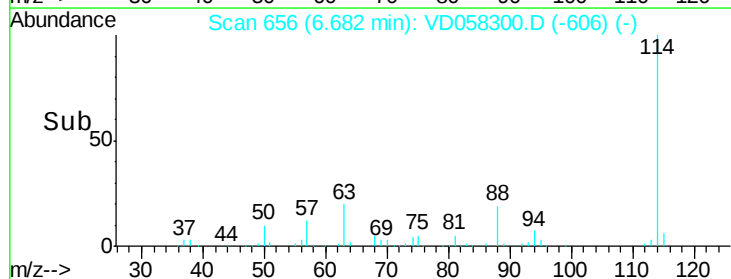
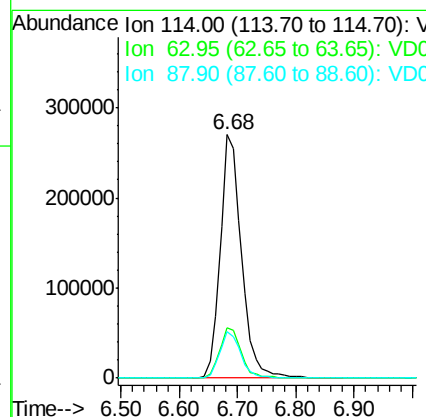
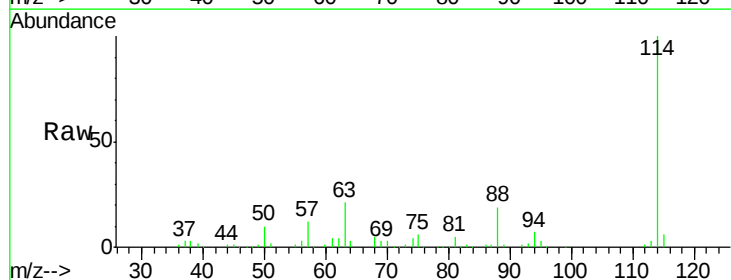
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

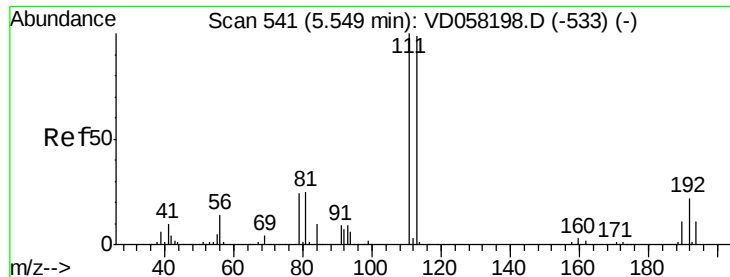
Tot Ion: 65 Resp: 320372
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion: 114 Resp: 681720
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 19.0 0.0 40.6

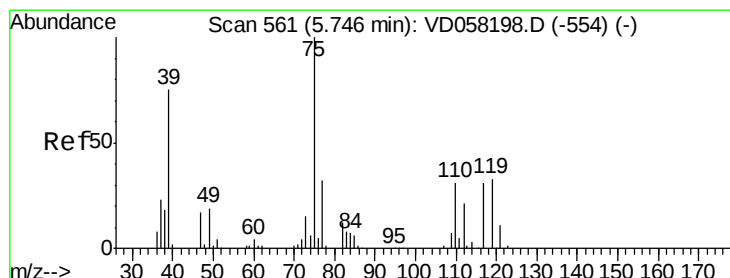
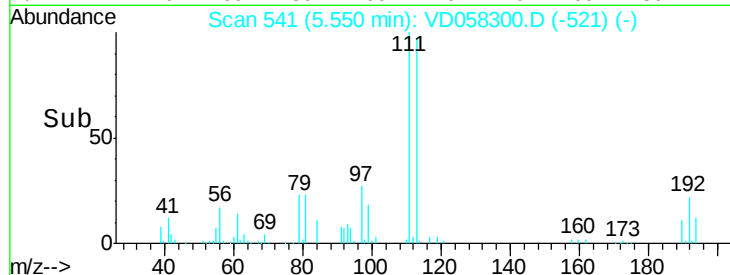
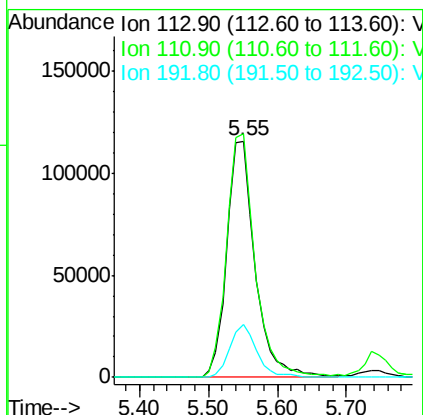
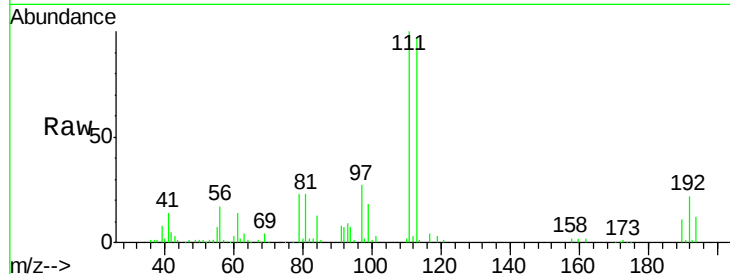




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

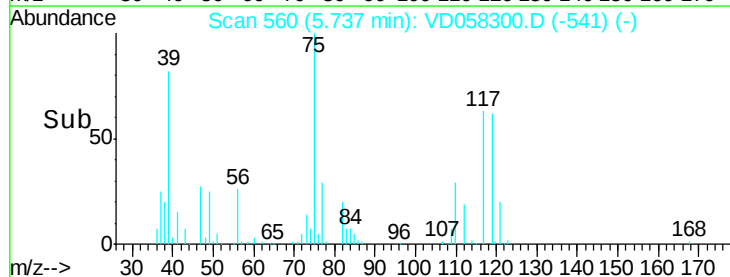
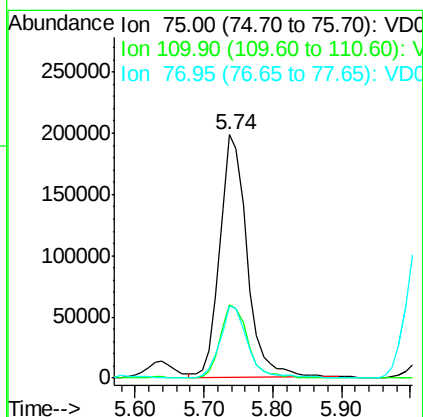
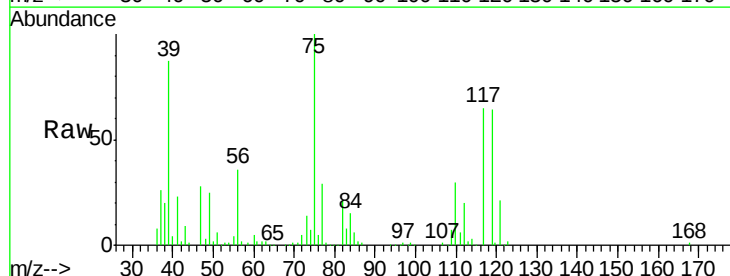
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

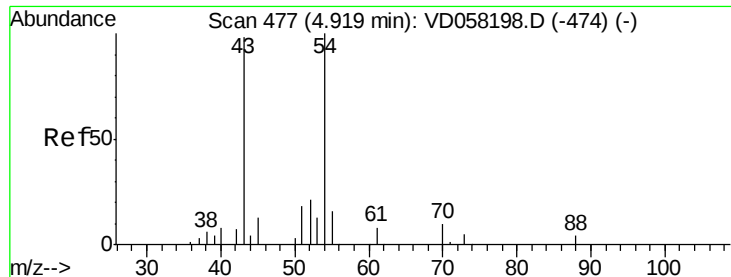
Tot Ion:113 Resp: 330583
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.6 121.0
 192 22.6 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 79.845 ug/l
 RT: 5.74 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion: 75 Resp: 538473
 Ion Ratio Lower Upper
 75 100
 110 29.9 15.4 46.4
 77 29.4 25.4 38.2





#37

Ethyl Acetate

Concen: 70.994 ug/l

RT: 4.92 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

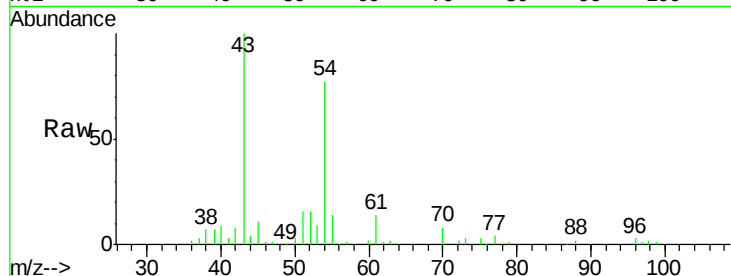
Tot Ion: 43 Resp: 272792

Ion Ratio Lower Upper

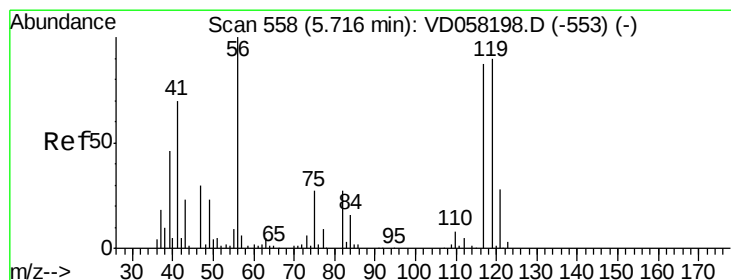
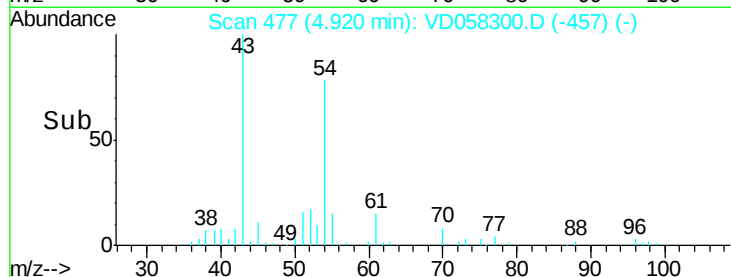
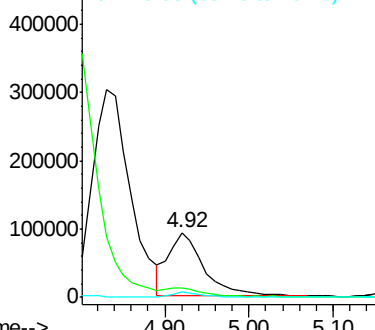
43 100

61 14.5 10.3 15.5

70 7.9 5.7 8.5



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



#38

Carbon Tetrachloride

Concen: 80.950 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

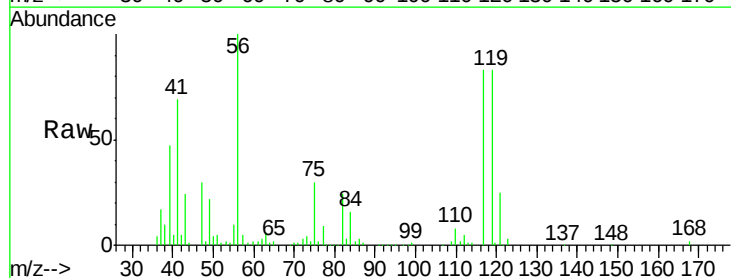
Tgt Ion: 117 Resp: 542435

Ion Ratio Lower Upper

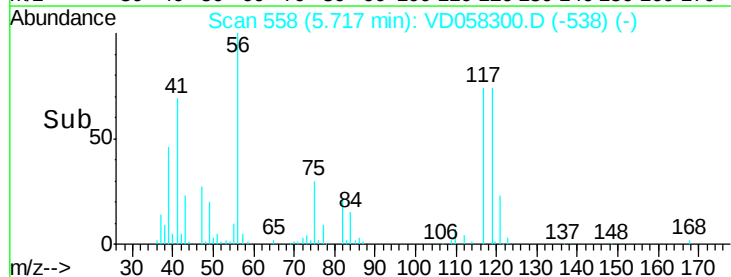
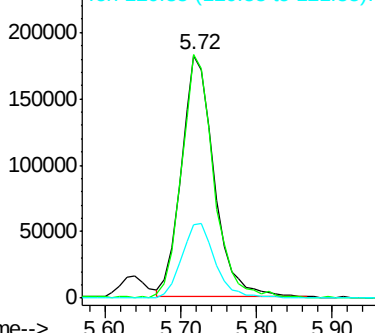
117 100

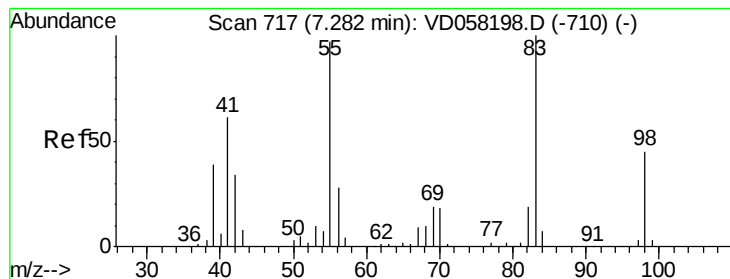
119 100.5 78.8 118.2

121 30.4 25.0 37.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 75.766 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

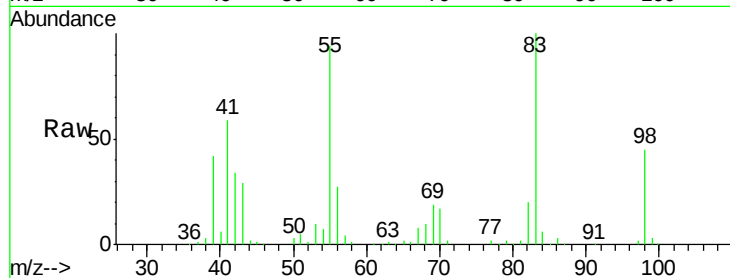
Tot Ion: 83 Resp: 497689

Ion Ratio Lower Upper

83 100

55 94.2 77.4 116.2

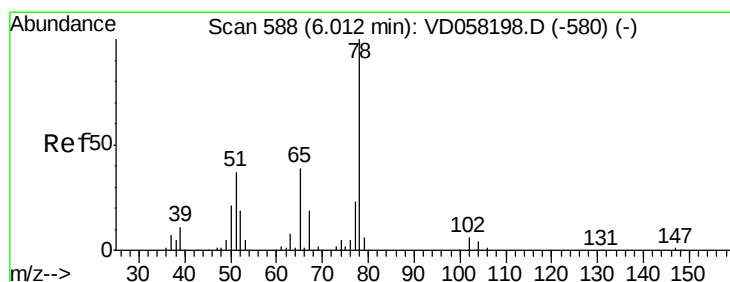
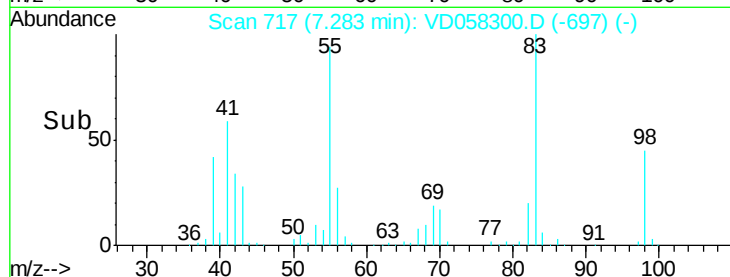
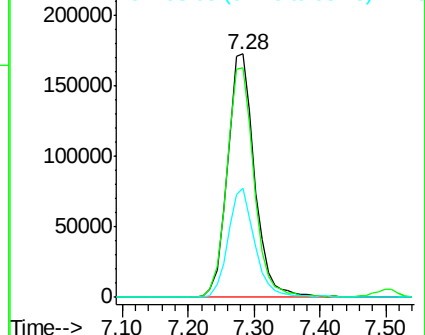
98 44.7 35.9 53.9



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: 84.904 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058300.D

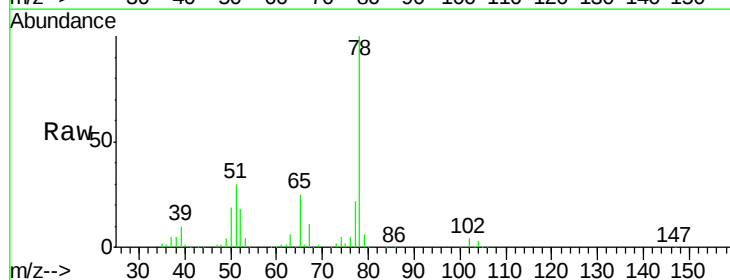
Acq: 22 Jun 2018 16:57

Tgt Ion: 78 Resp: 1363968

Ion Ratio Lower Upper

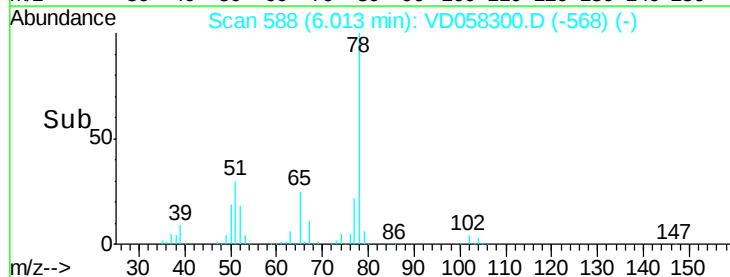
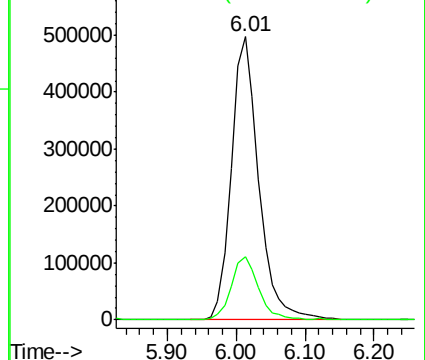
78 100

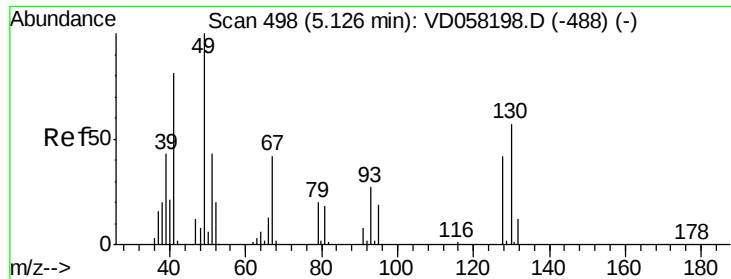
77 22.5 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 71.125 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 41 Resp: 131970

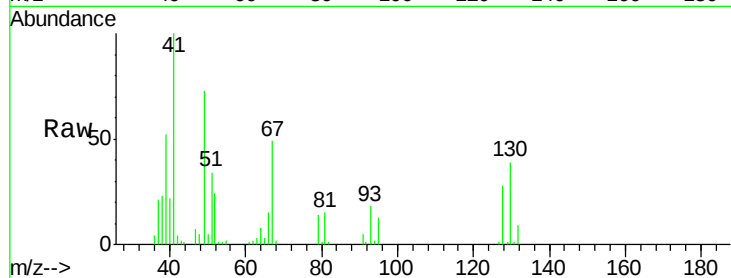
Ion Ratio Lower Upper

41 100

39 52.4 43.4 65.2

67 48.5 41.7 62.5

52 23.6 20.6 30.8

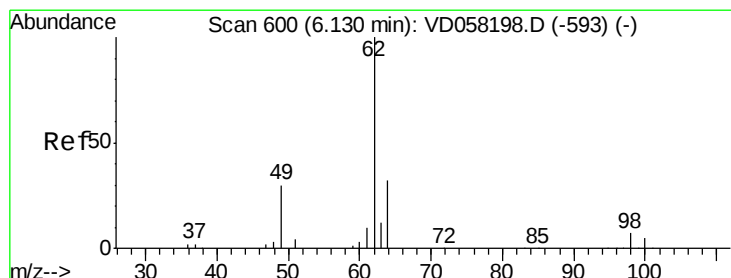
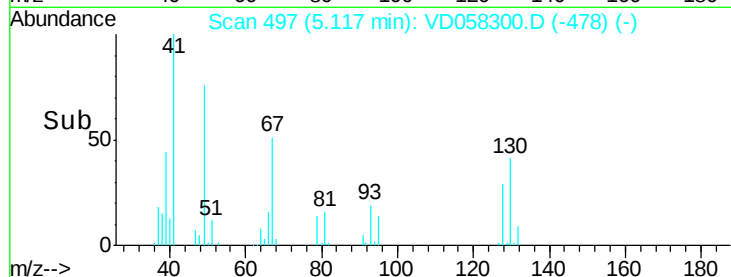
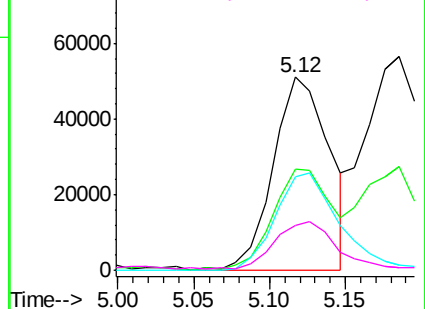


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 79.032 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.01 min

Lab File: VD058300.D

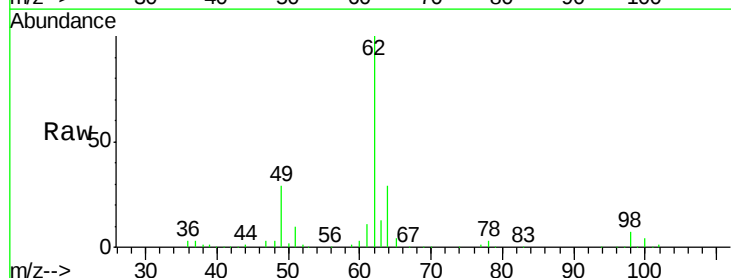
Acq: 22 Jun 2018 16:57

Tgt Ion: 62 Resp: 511946

Ion Ratio Lower Upper

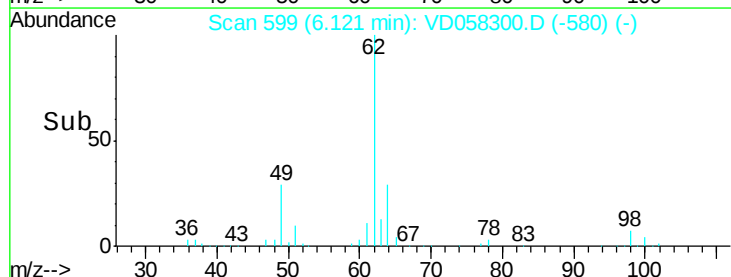
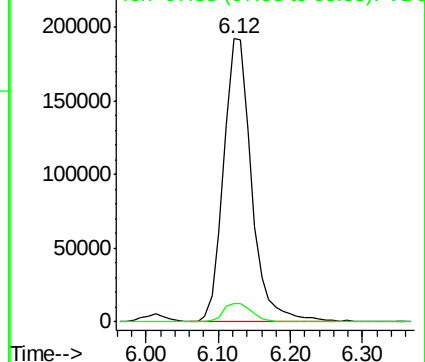
62 100

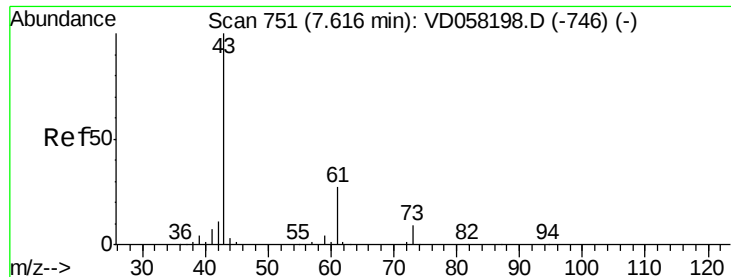
98 6.7 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 69.041 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

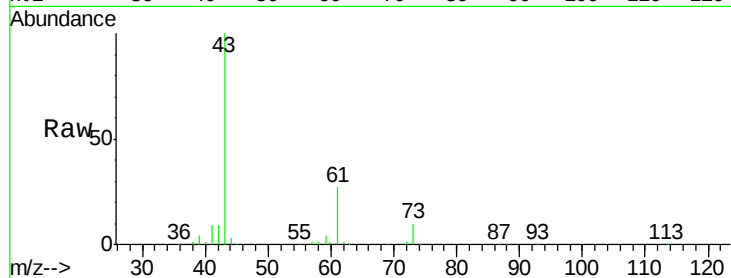
Tot Ion: 43 Resp: 353681

Ion Ratio Lower Upper

43 100

61 26.8 21.8 32.6

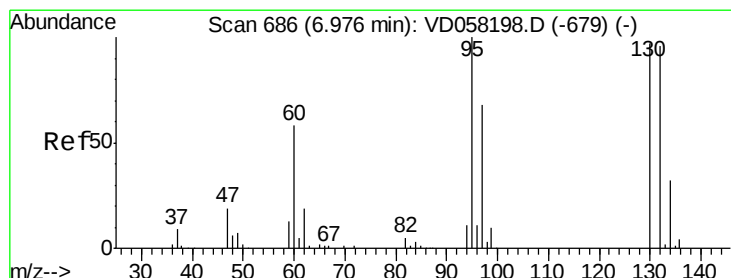
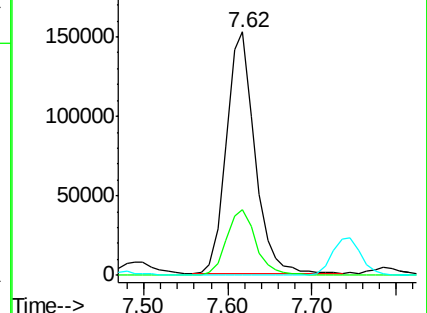
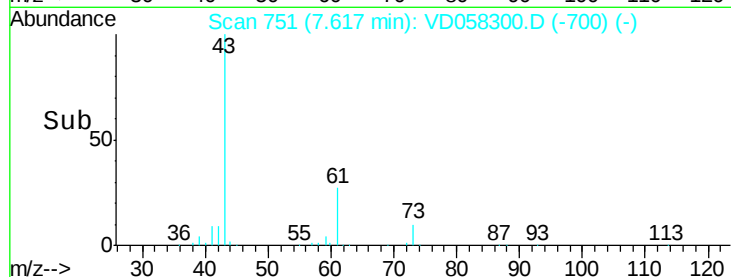
87 0.3 0.3 0.5



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: 82.871 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.00 min

Lab File: VD058300.D

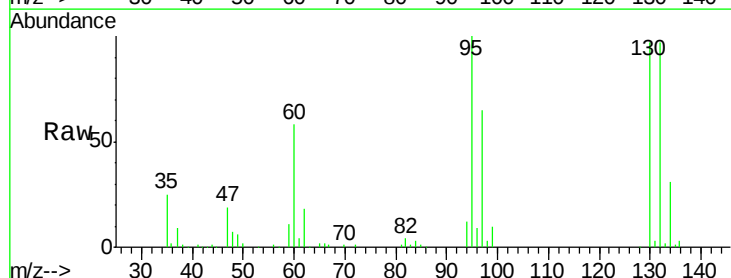
Acq: 22 Jun 2018 16:57

Tgt Ion: 130 Resp: 399766

Ion Ratio Lower Upper

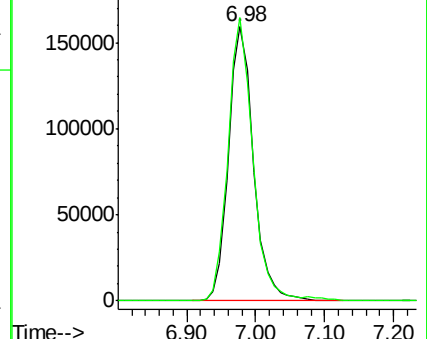
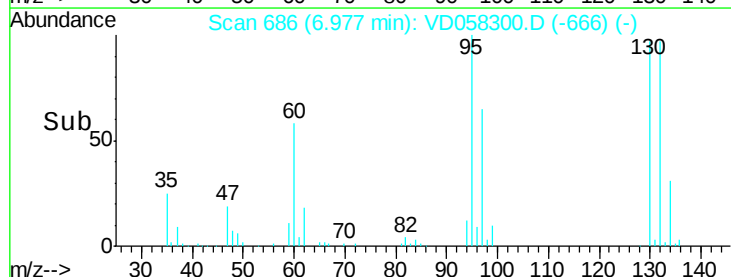
130 100

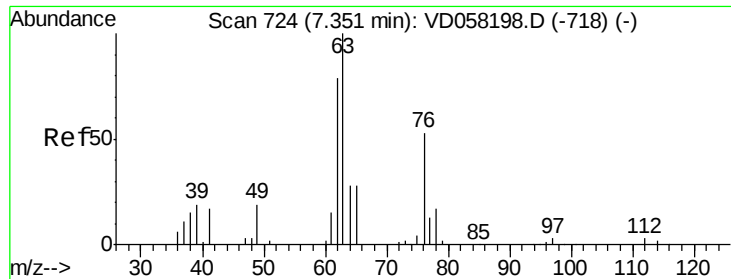
95 103.3 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 82.951 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

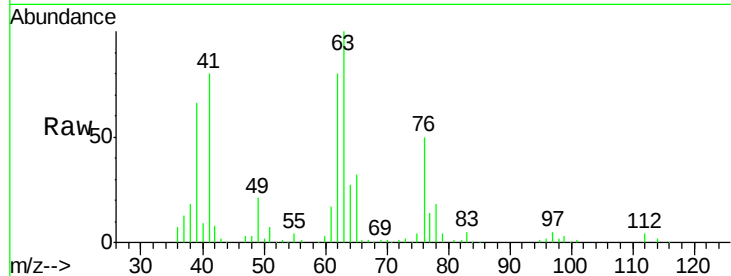
WP021SB472-13-15-180618MS

Tot Ion: 63 Resp: 358883

Ion Ratio Lower Upper

63 100

65 31.6 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

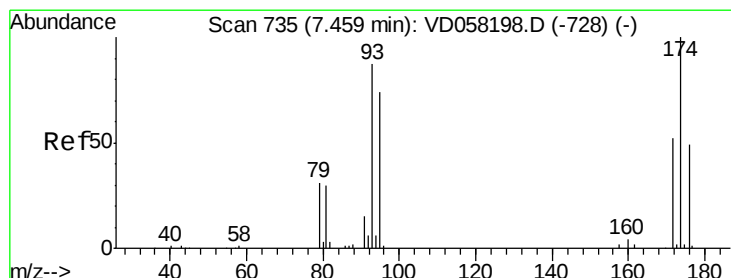
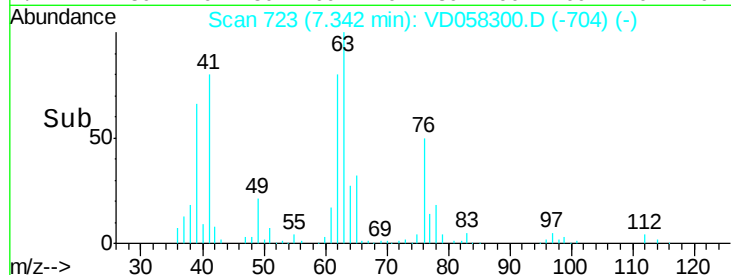
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 76.708 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

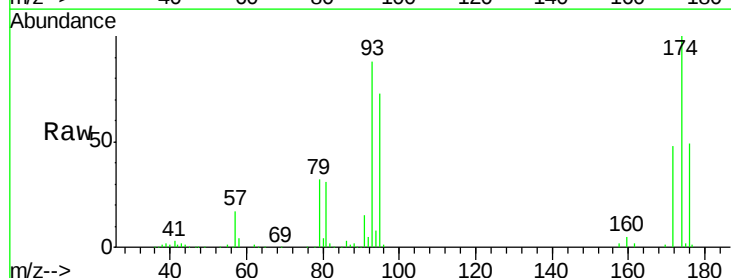
Tgt Ion: 93 Resp: 226559

Ion Ratio Lower Upper

93 100

95 83.6 67.8 101.6

174 113.9 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

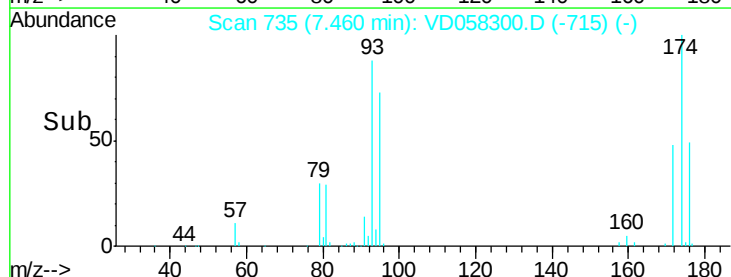
150000

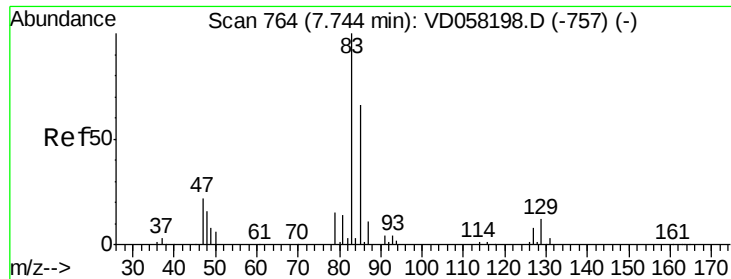
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 85.559 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

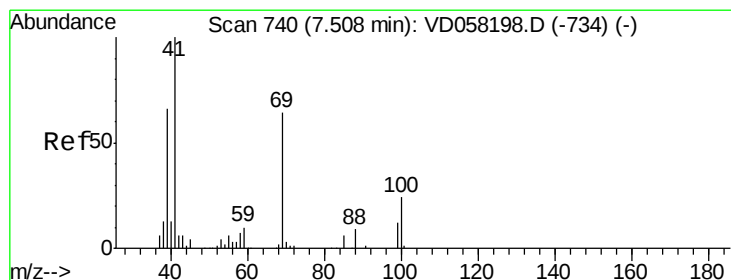
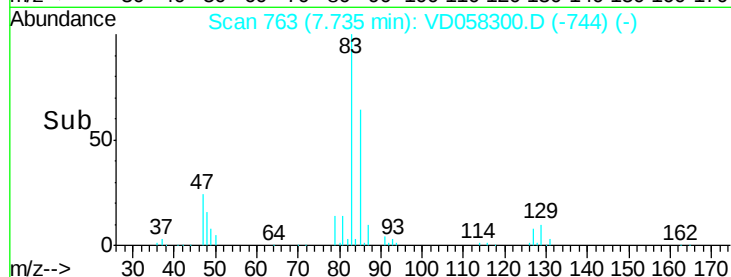
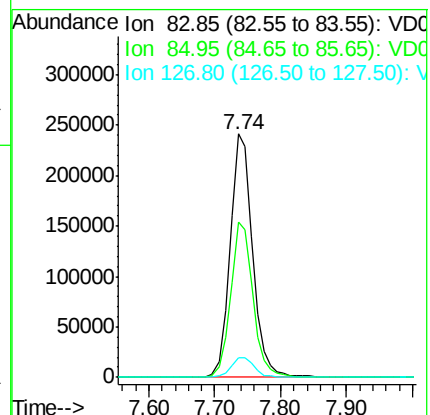
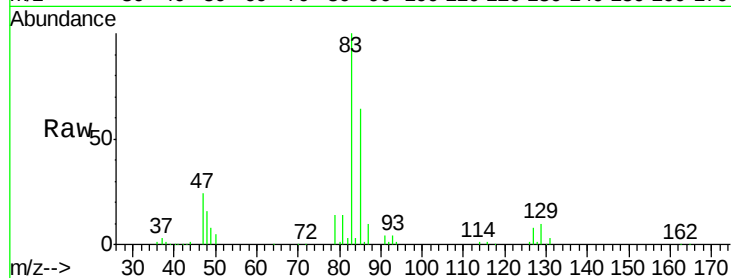
Tot Ion: 83 Resp: 576250

Ion Ratio Lower Upper

83 100

85 63.9 52.6 78.8

127 7.8 6.2 9.4



#48

Methyl methacrylate

Concen: 68.717 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

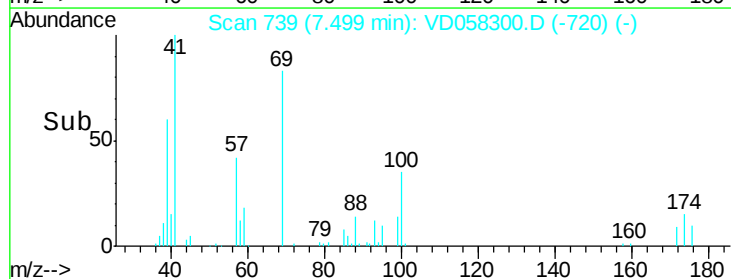
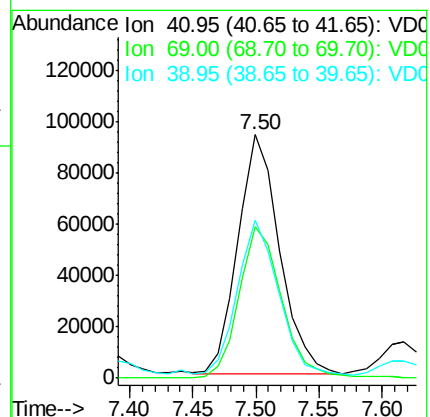
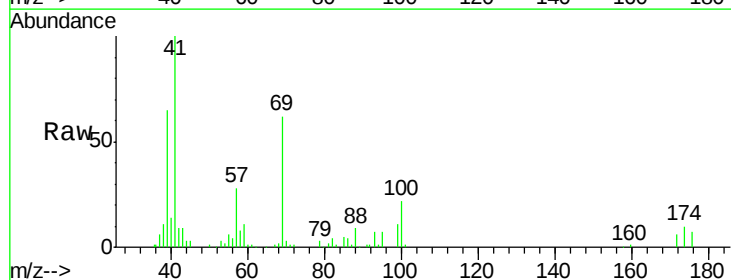
Tgt Ion: 41 Resp: 213950

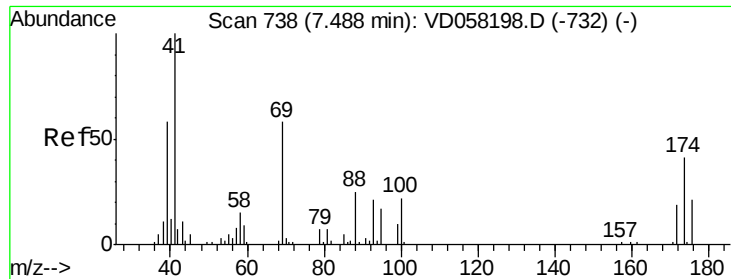
Ion Ratio Lower Upper

41 100

69 62.3 50.7 76.1

39 64.9 52.6 78.8





#49

1,4-Dioxane

Concen: 1502.804 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

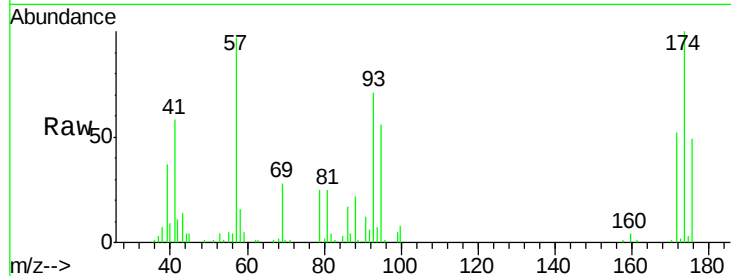
Tot Ion: 88 Resp: 42236

Ion Ratio Lower Upper

88 100

43 64.8 34.2 51.2#

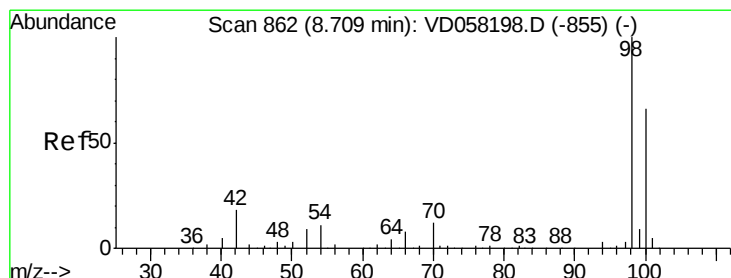
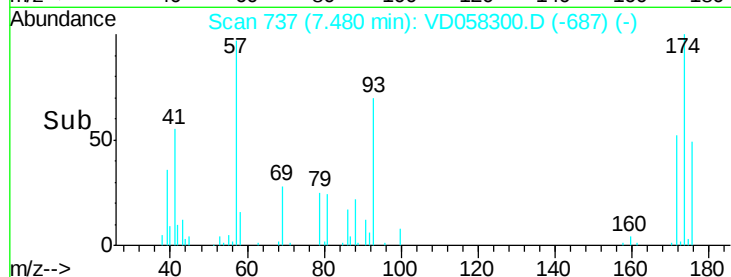
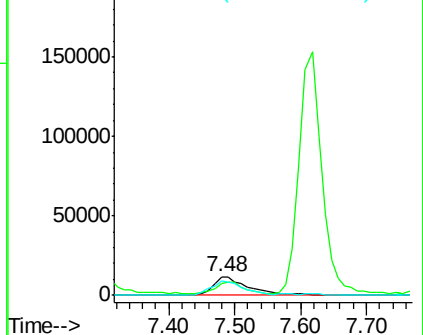
58 74.1 47.9 71.9#



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: 1502.804 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058300.D

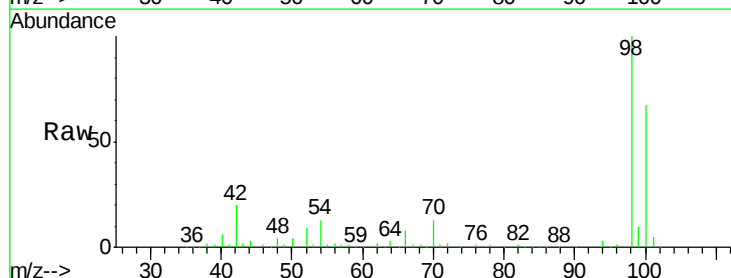
Acq: 22 Jun 2018 16:57

Tgt Ion: 98 Resp: 743557

Ion Ratio Lower Upper

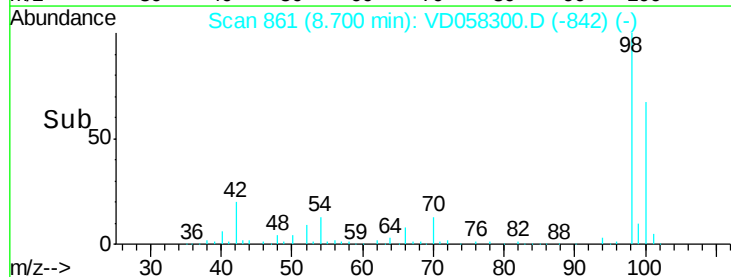
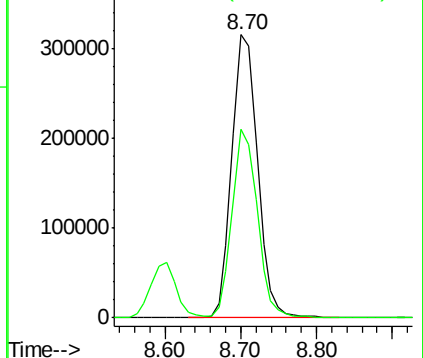
98 100

100 66.7 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: 475.649 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

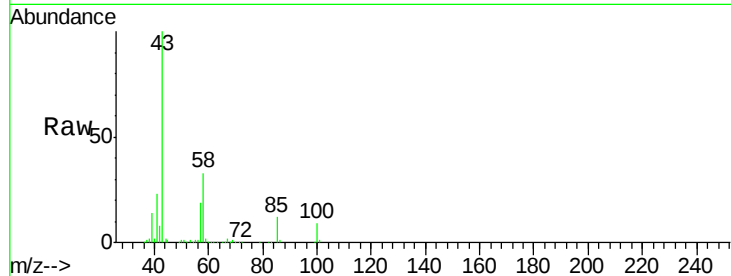
WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 1589362

Ion Ratio Lower Upper

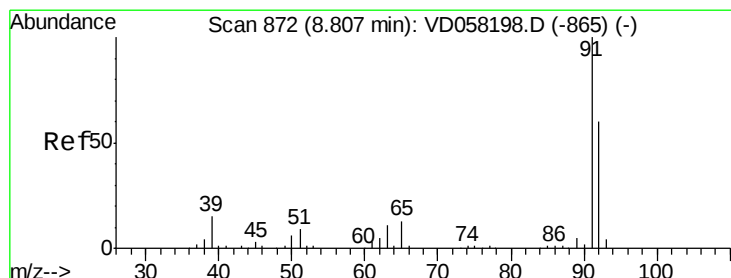
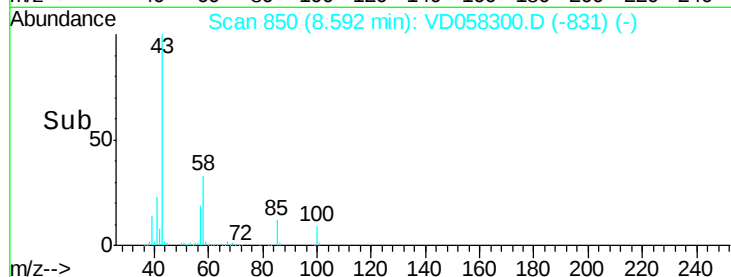
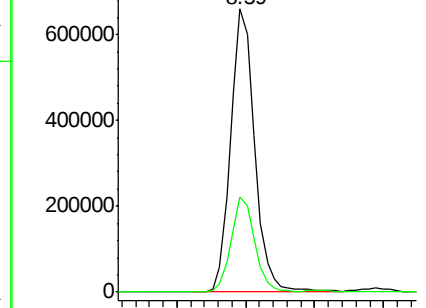
43 100

58 33.5 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: 88.109 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058300.D

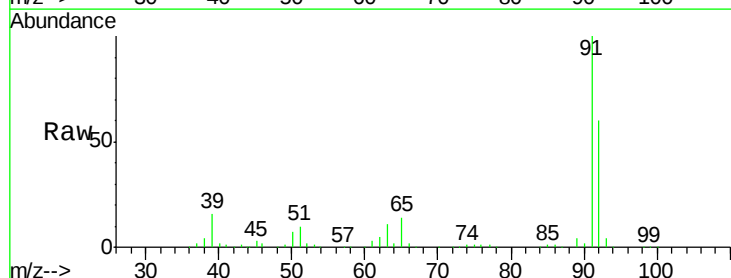
Acq: 22 Jun 2018 16:57

Tgt Ion: 92 Resp: 805981

Ion Ratio Lower Upper

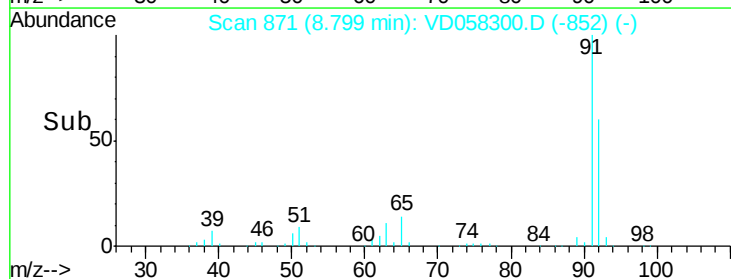
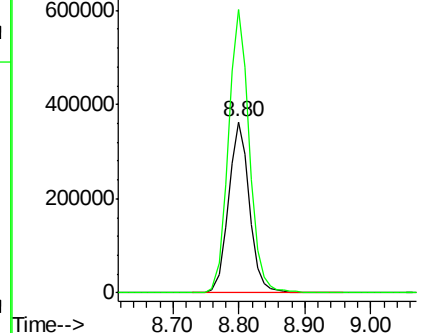
92 100

91 165.7 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

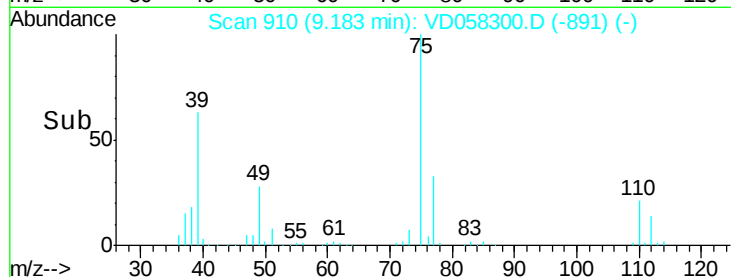
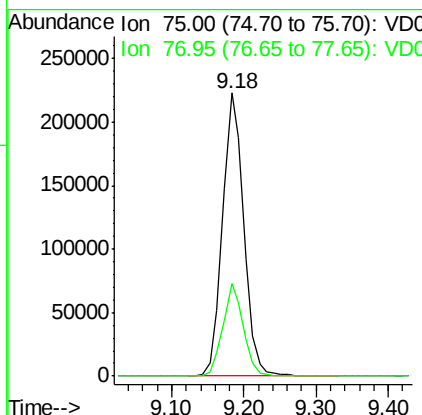
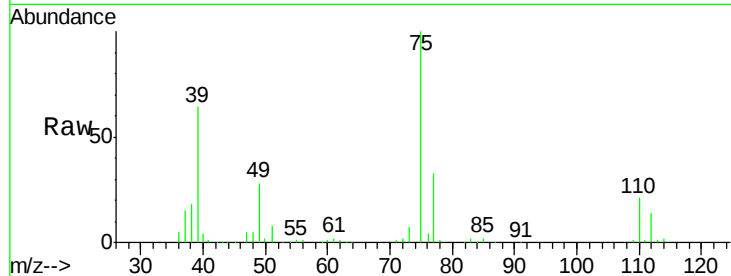




#53
 t-1,3-Dichloropropene
 Concen: 77.255 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

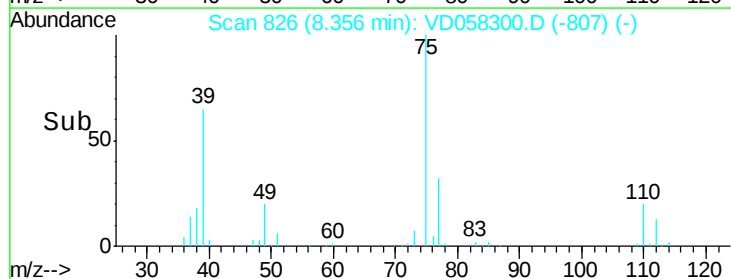
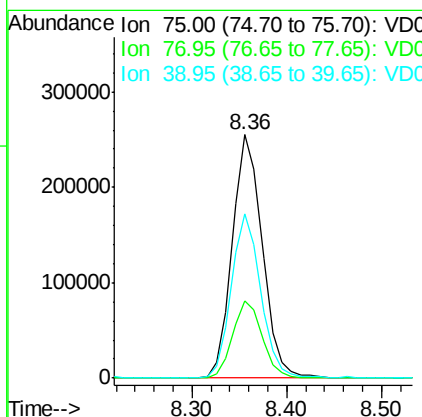
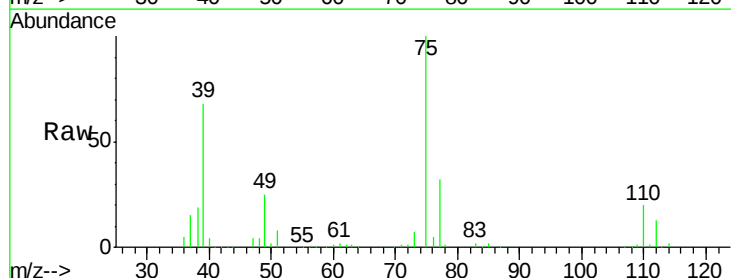
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

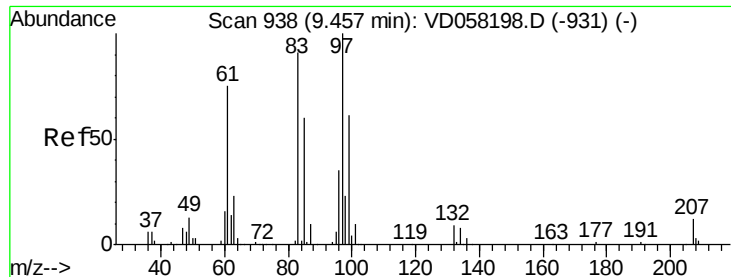
Tot Ion: 75 Resp: 452377
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 81.727 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion: 75 Resp: 561046
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.5 39.7
 39 67.5 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 75.757 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 97 Resp: 245181

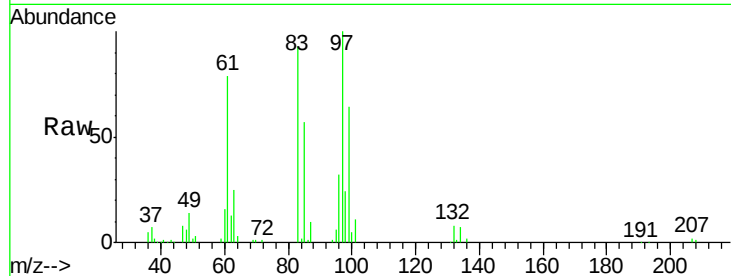
Ion Ratio Lower Upper

97 100

83 93.5 72.9 109.3

85 56.8 48.2 72.4

99 63.7 48.9 73.3

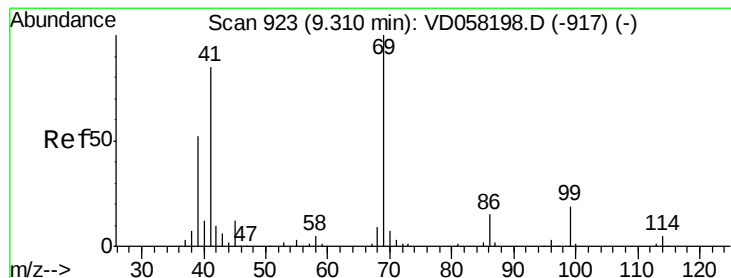
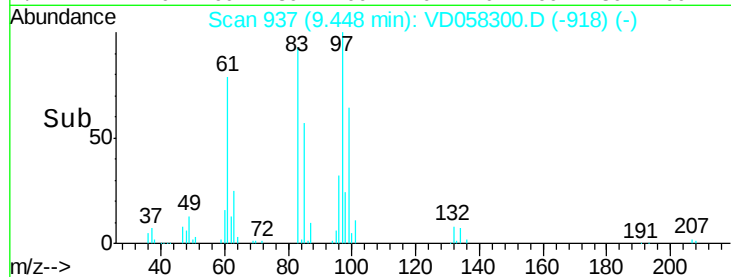
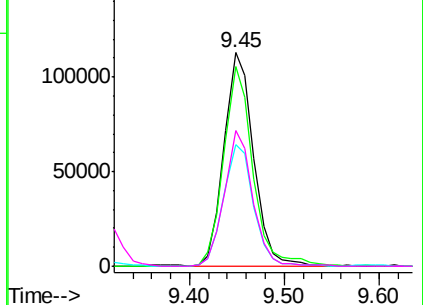


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 70.757 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

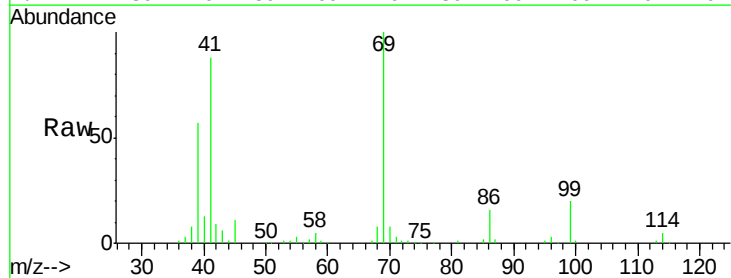
Tgt Ion: 69 Resp: 273869

Ion Ratio Lower Upper

69 100

41 87.8 67.6 101.4

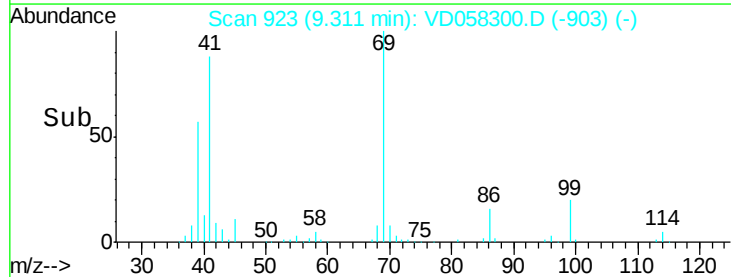
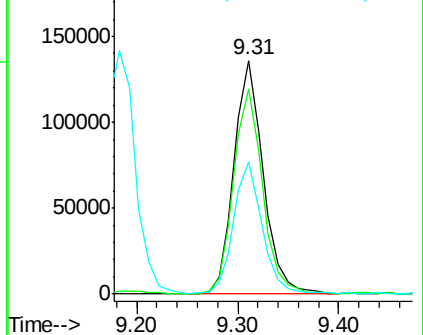
39 56.5 42.2 63.2

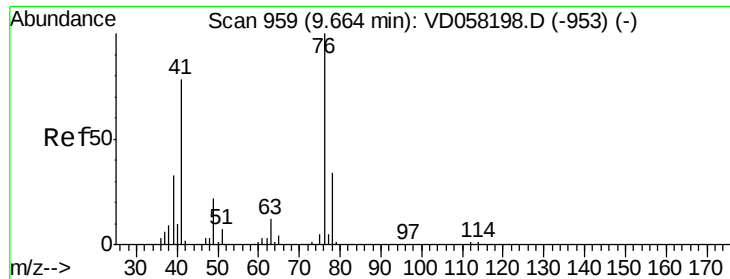


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 76.797 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

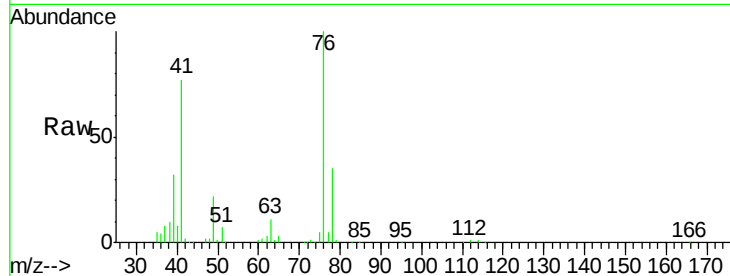
WP021SB472-13-15-180618MS

Tot Ion: 76 Resp: 418666

Ion Ratio Lower Upper

76 100

78 34.7 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.66

200000

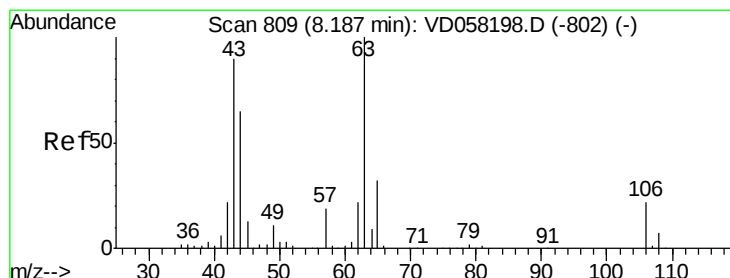
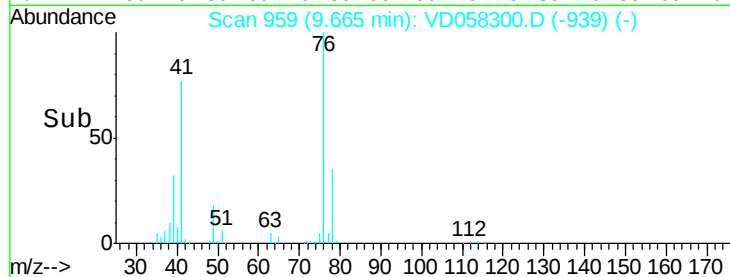
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 362.472 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058300.D

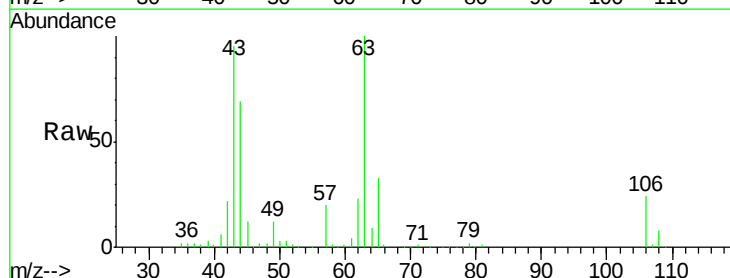
Acq: 22 Jun 2018 16:57

Tgt Ion: 63 Resp: 694542

Ion Ratio Lower Upper

63 100

106 24.4 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.19

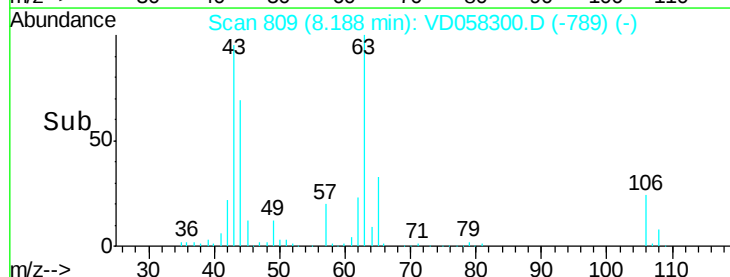
300000

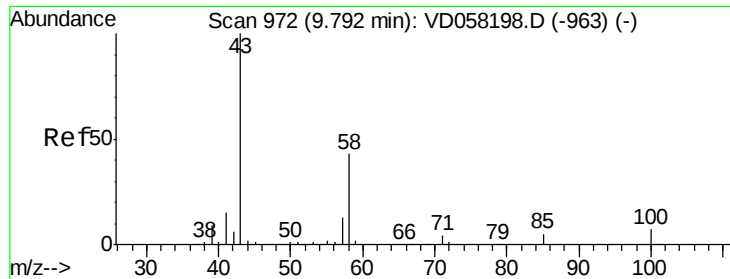
200000

100000

0

Time-->

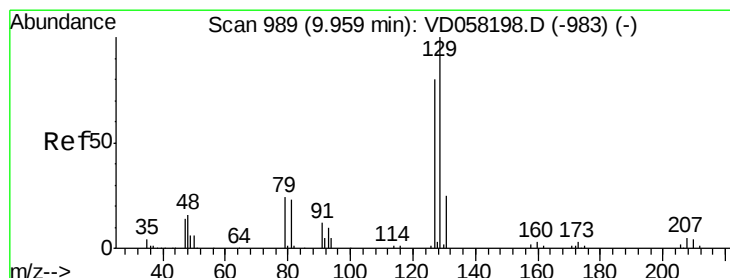
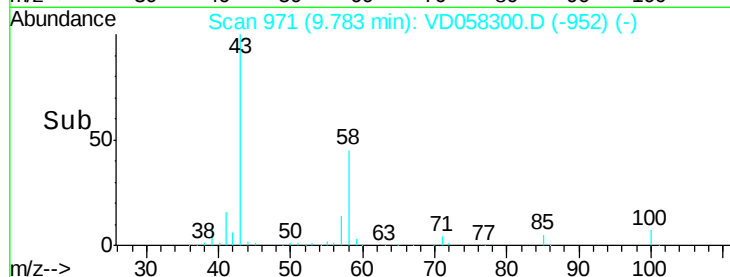
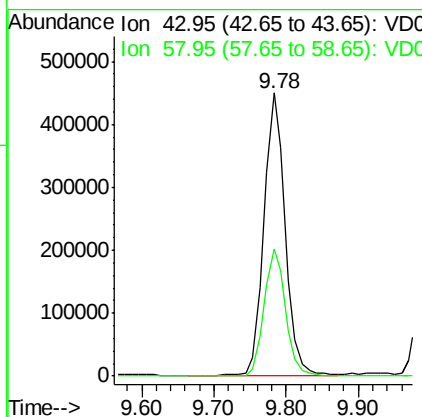
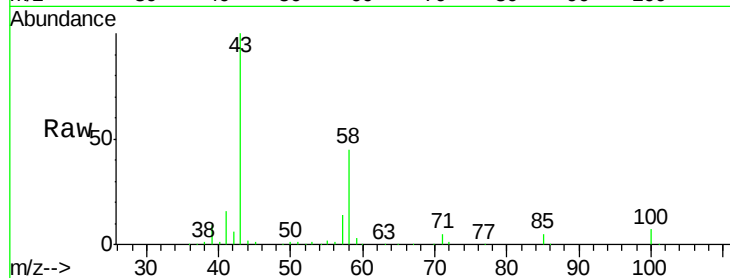




#59
2-Hexanone
Concen: 384.749 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

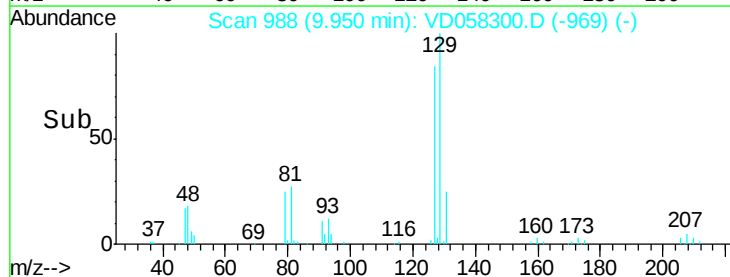
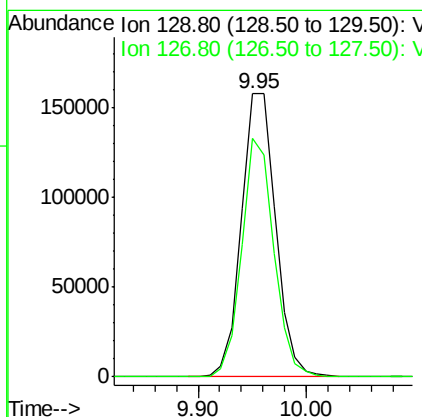
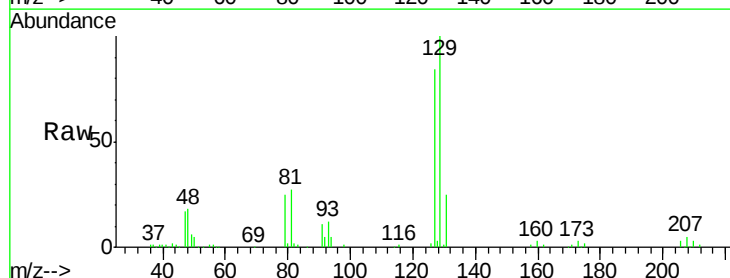
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 928967
Ion Ratio Lower Upper
43 100
58 45.0 21.7 65.1



#60
Dibromochloromethane
Concen: 79.460 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion: 129 Resp: 349003
Ion Ratio Lower Upper
129 100
127 84.5 39.8 119.4





#61

1,2-Dibromoethane

Concen: 77.636 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

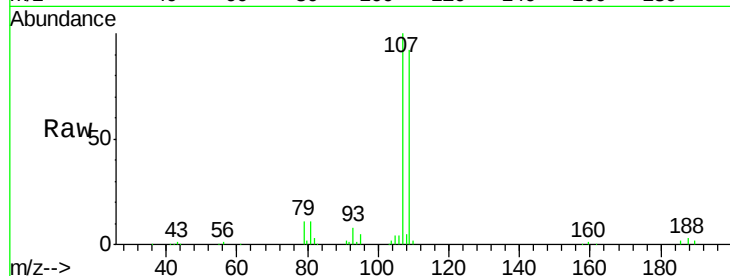
WP021SB472-13-15-180618MS

Tot Ion:107 Resp: 275005

Ion Ratio Lower Upper

107 100

109 92.2 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

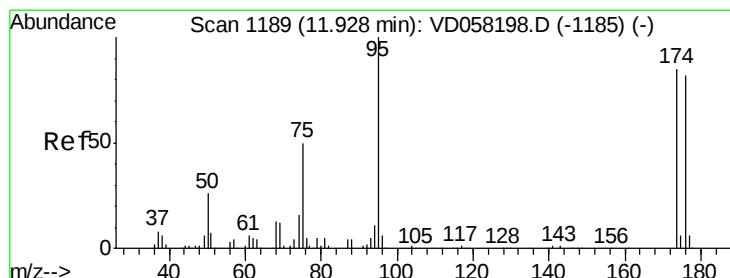
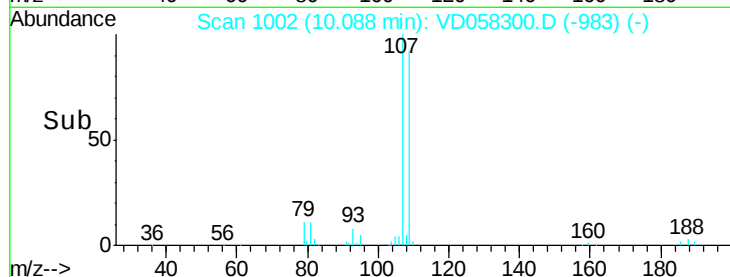
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 77.636 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

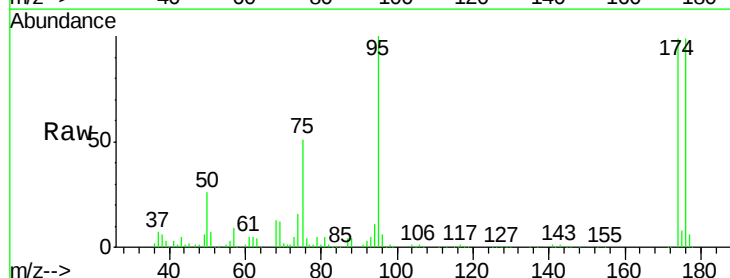
Tgt Ion: 95 Resp: 325652

Ion Ratio Lower Upper

95 100

174 98.7 0.0 170.2

176 99.5 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

300000

250000

200000

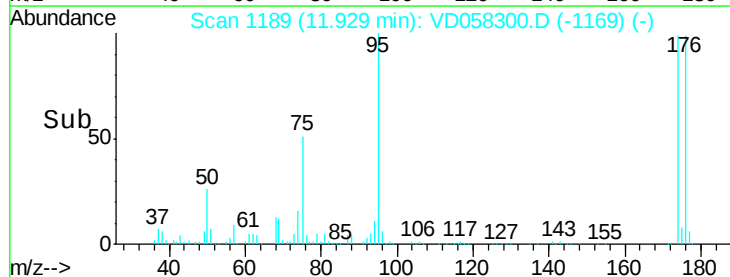
150000

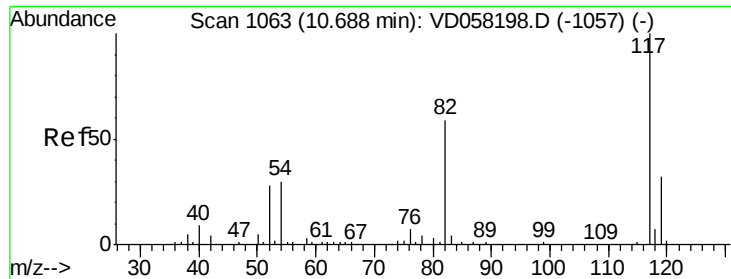
100000

50000

0

Time-->

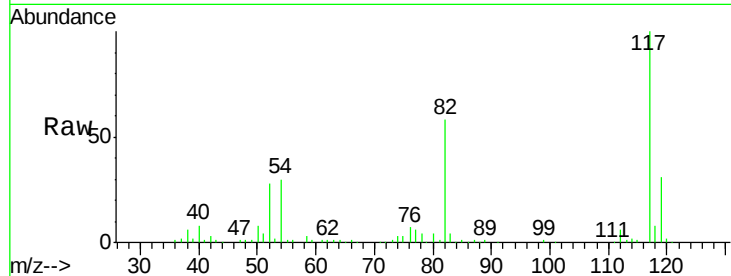




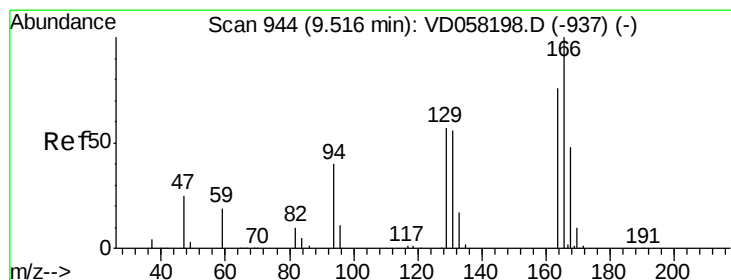
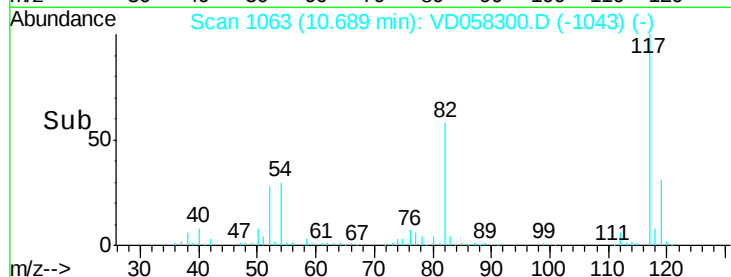
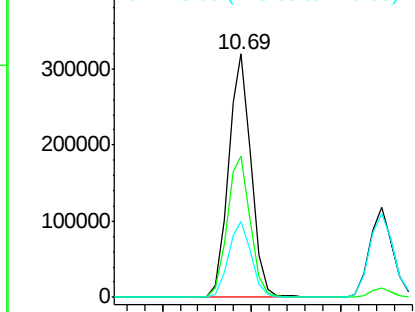
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

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

Tot Ion:117 Resp: 569045
Ion Ratio Lower Upper
117 100
82 58.1 47.0 70.6
119 31.3 25.3 37.9

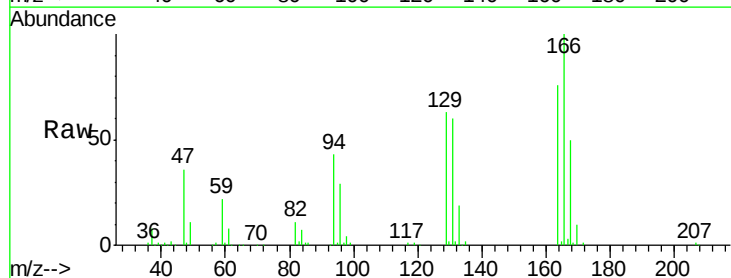


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

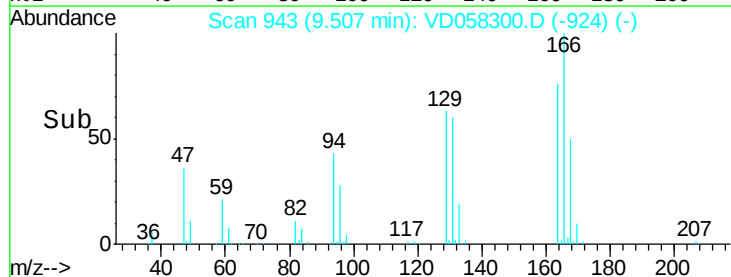
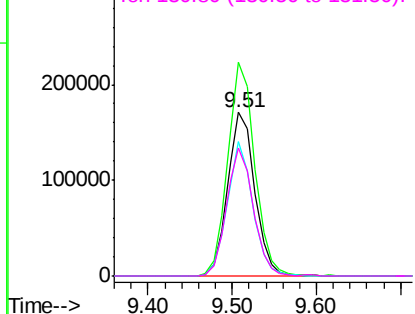


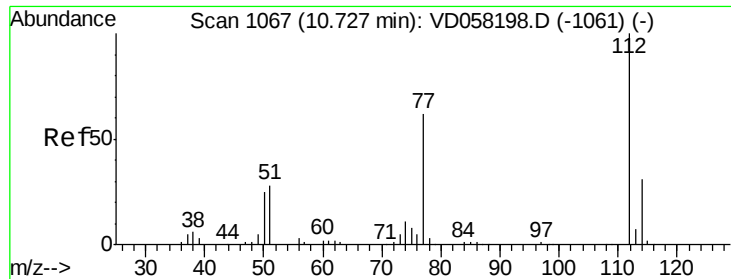
#64
Tetrachloroethene
Concen: 79.825 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion:164 Resp: 382203
Ion Ratio Lower Upper
164 100
166 130.7 105.4 158.0
129 82.1 59.6 89.4
131 78.3 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

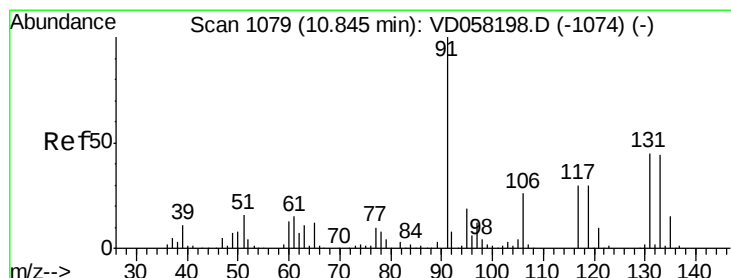
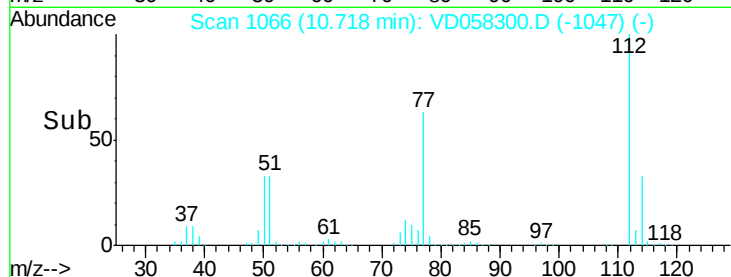
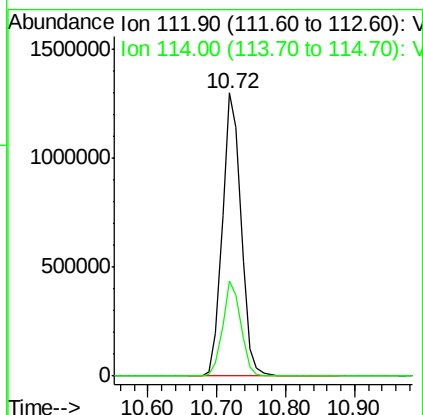
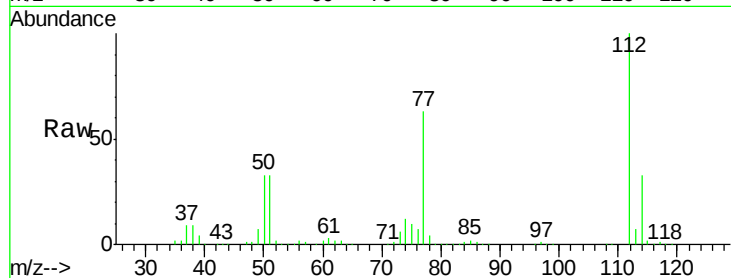




#65
Chlorobenzene
Concen: 228.967 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

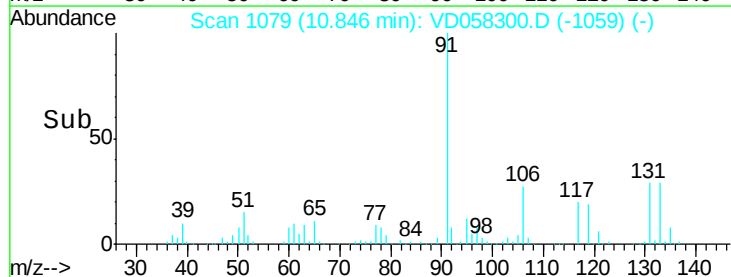
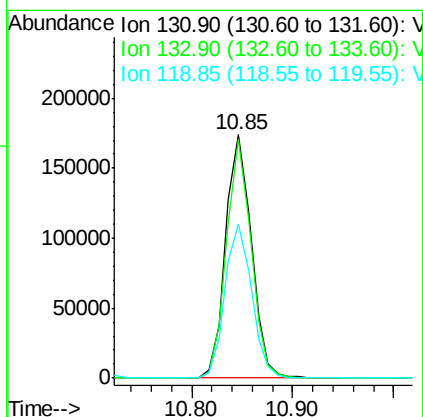
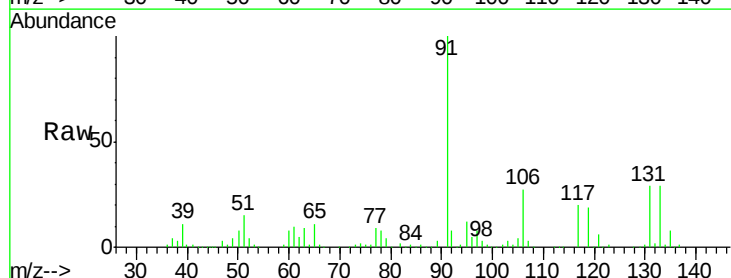
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion:112 Resp: 2437180
Ion Ratio Lower Upper
112 100
114 33.5 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 75.566 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion:131 Resp: 310405
Ion Ratio Lower Upper
131 100
133 97.9 48.6 145.9
119 63.4 33.0 99.0

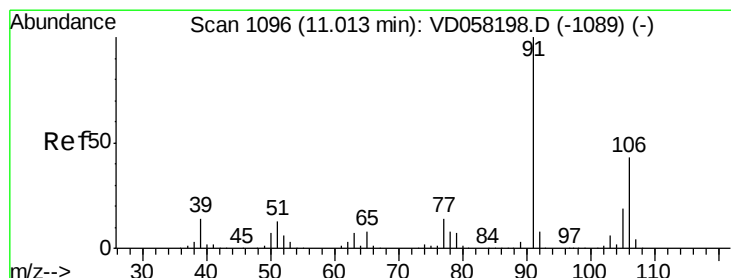
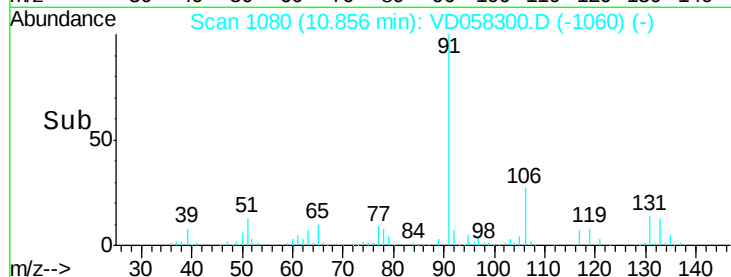
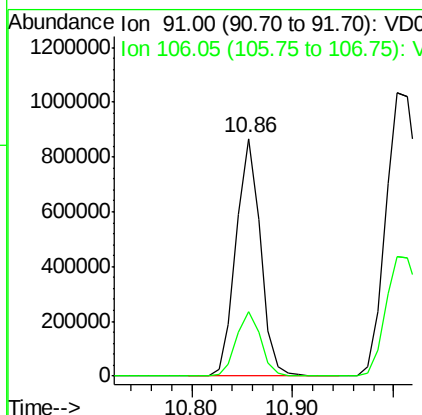
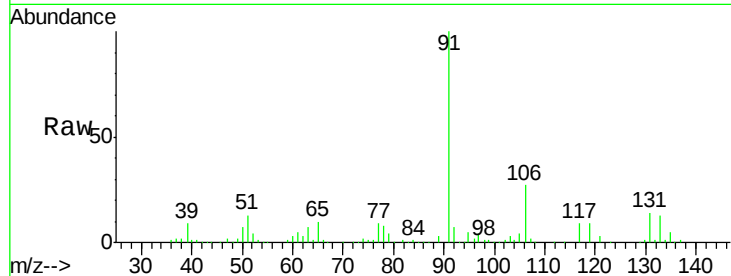




#67
Ethyl Benzene
Concen: 77.805 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

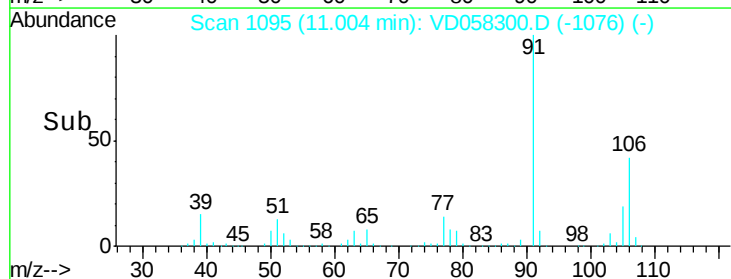
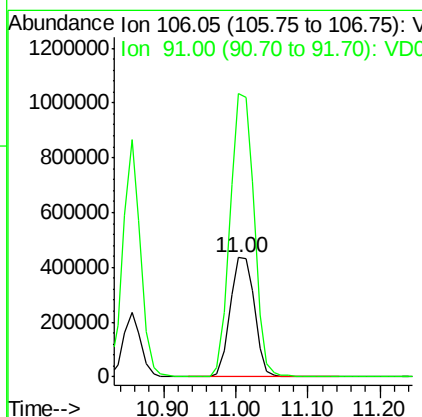
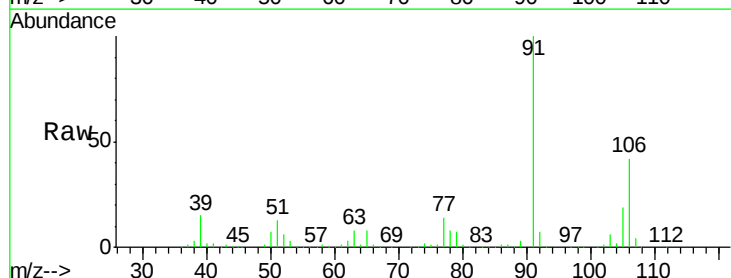
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

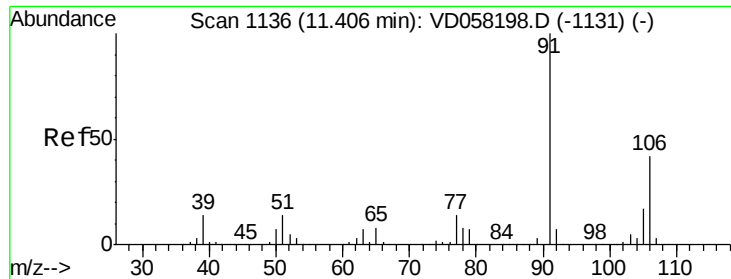
Tot Ion: 91 Resp: 1462097
Ion Ratio Lower Upper
91 100
106 27.4 22.0 33.0



#68
m/p-Xylenes
Concen: 162.848 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion: 106 Resp: 1020514
Ion Ratio Lower Upper
106 100
91 237.3 185.0 277.6

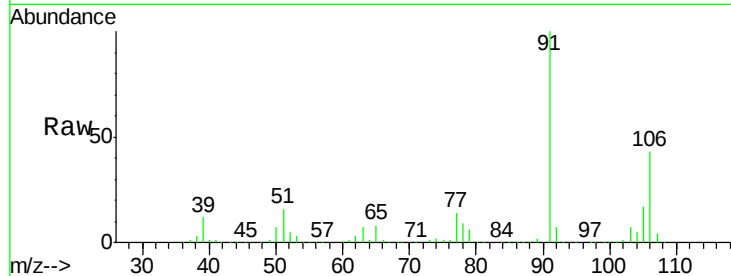




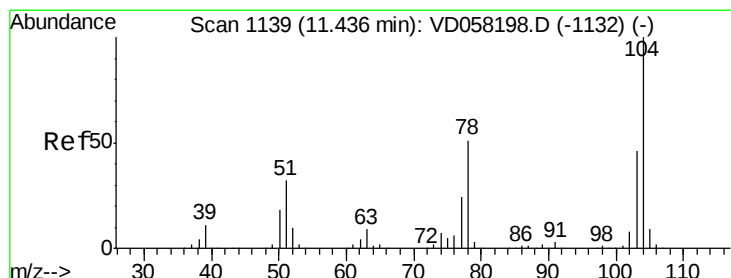
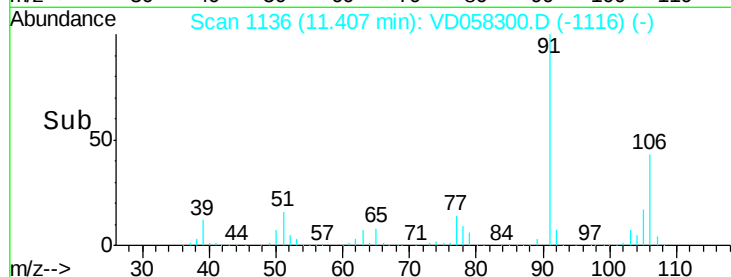
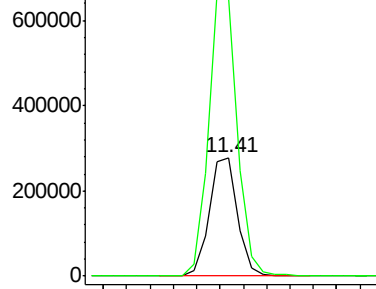
#69
o-Xylene
Concen: 78.276 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

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

Tot Ion:106 Resp: 468505
Ion Ratio Lower Upper
106 100
91 234.2 120.2 360.6

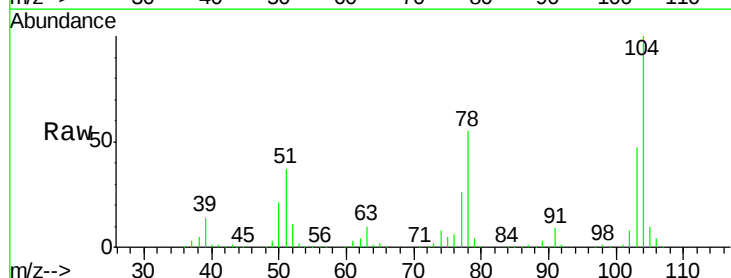


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

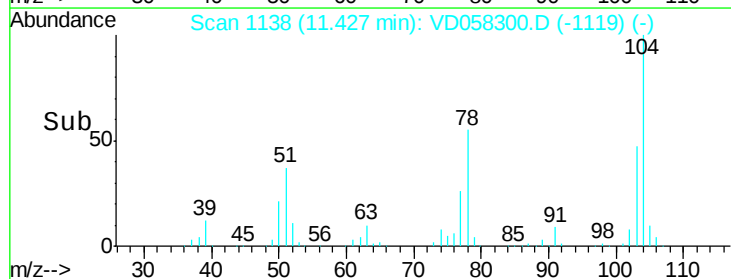
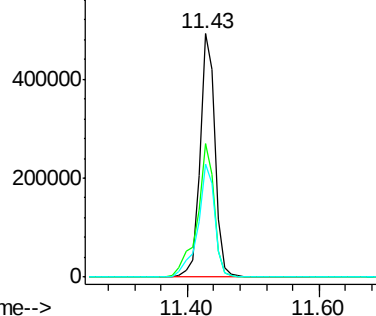


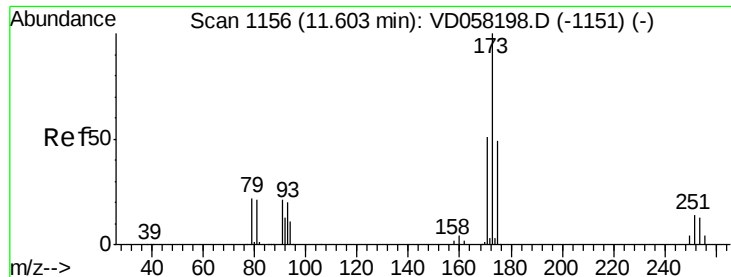
#70
Styrene
Concen: 76.752 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion:104 Resp: 783906
Ion Ratio Lower Upper
104 100
78 55.0 40.8 61.2
103 46.7 37.0 55.6



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

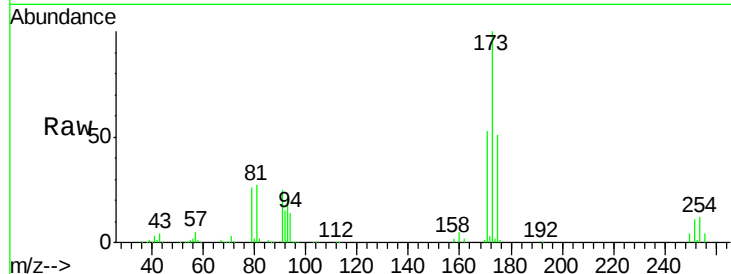




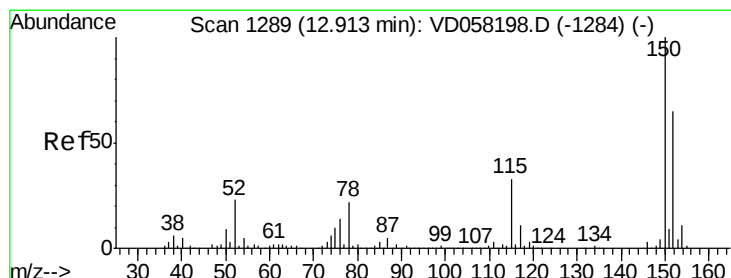
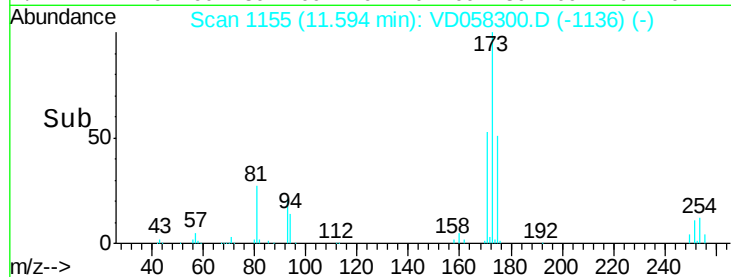
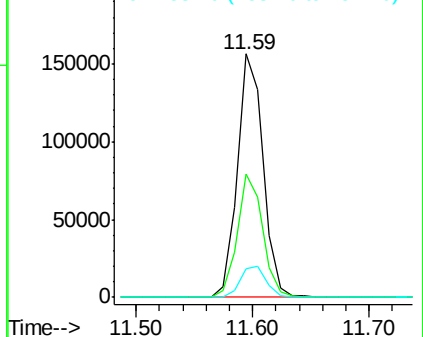
#71
Bromoform
Concen: 72.821 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

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

Tot Ion:173 Resp: 238622
Ion Ratio Lower Upper
173 100
175 50.8 24.6 74.0
254 11.5 10.3 15.5

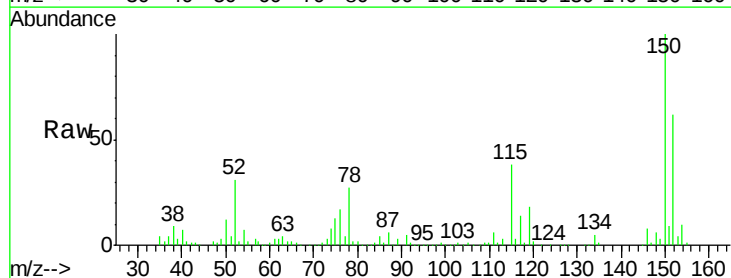


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

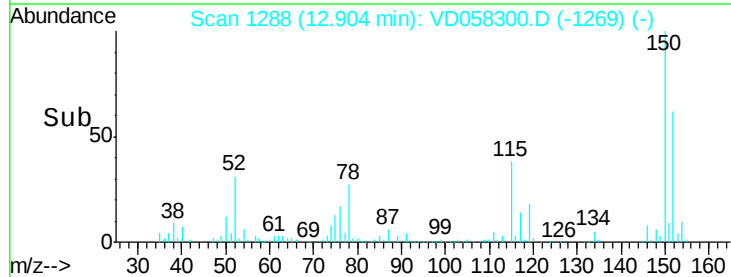
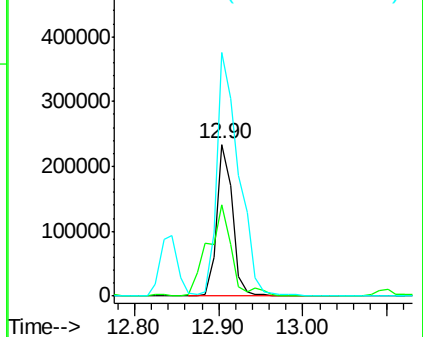


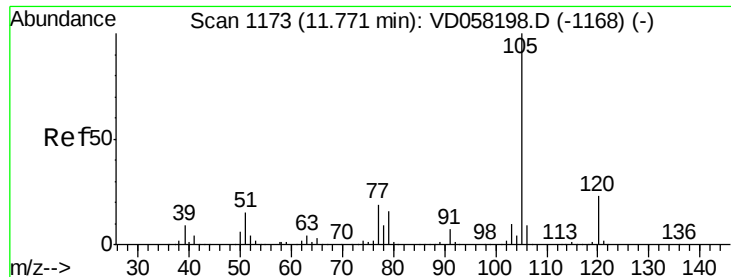
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion:152 Resp: 303883
Ion Ratio Lower Upper
152 100
115 60.3 25.1 75.3
150 160.2 0.0 308.8



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





#73

Isopropylbenzene

Concen: 73.747 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

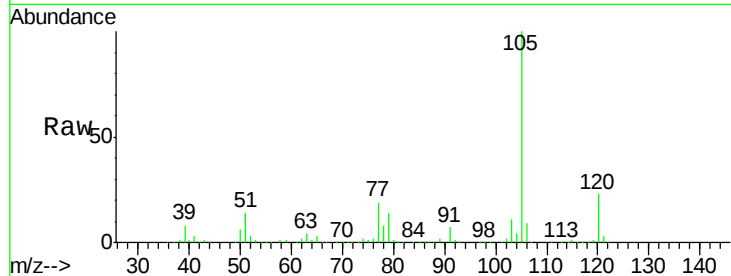
WP021SB472-13-15-180618MS

Tot Ion:105 Resp: 1340476

Ion Ratio Lower Upper

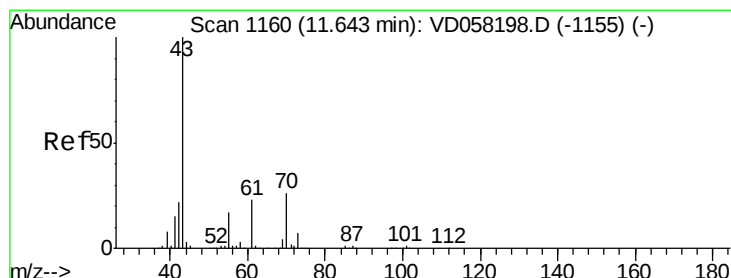
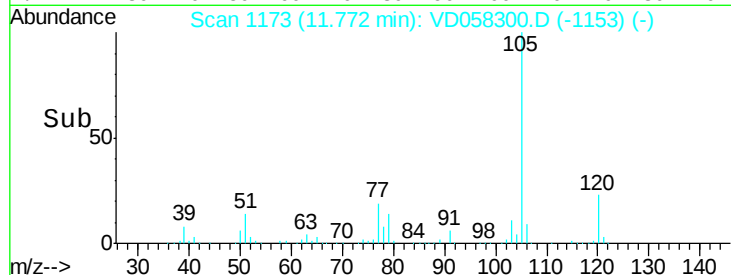
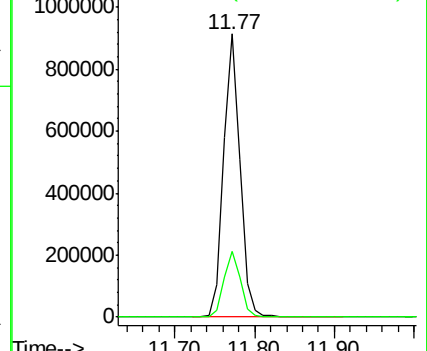
105 100

120 23.1 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: 69.414 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion: 43 Resp: 487853

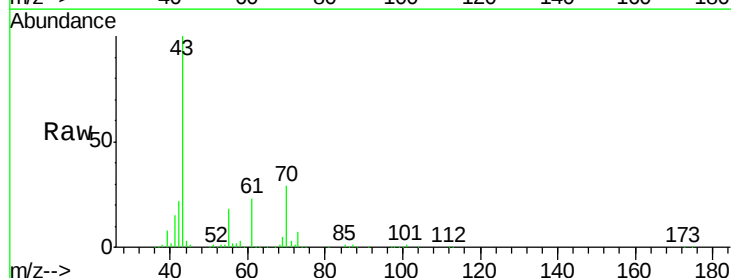
Ion Ratio Lower Upper

43 100

70 28.8 20.9 31.3

55 17.7 13.5 20.3

61 23.0 18.2 27.2

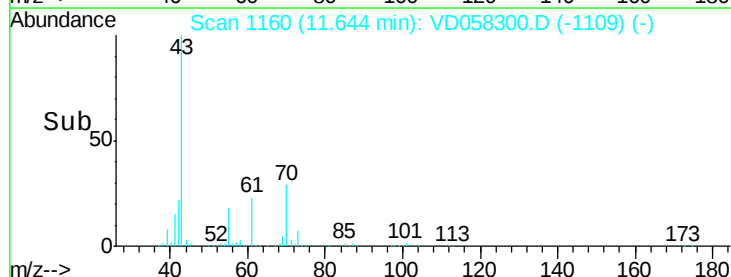
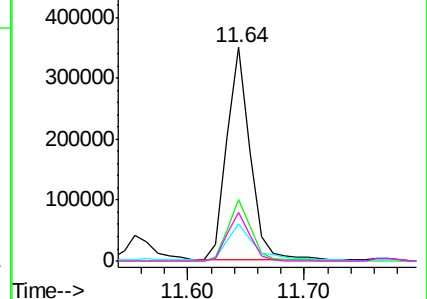


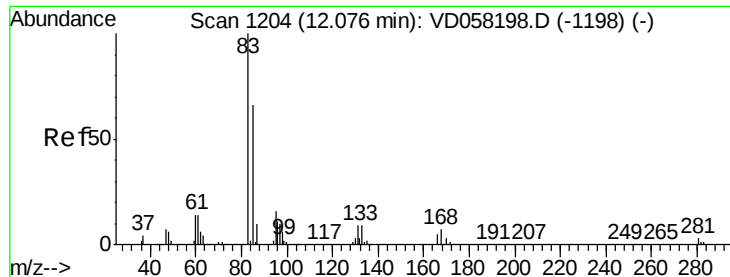
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 67.560 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

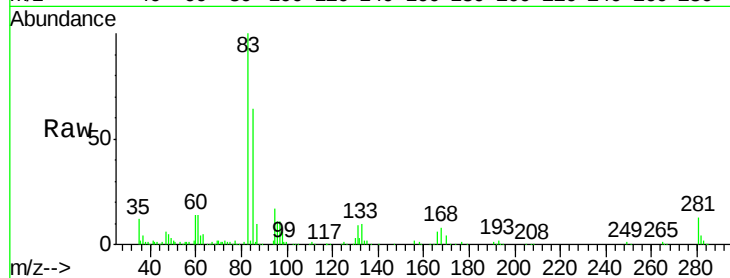
Tot Ion: 83 Resp: 285776

Ion Ratio Lower Upper

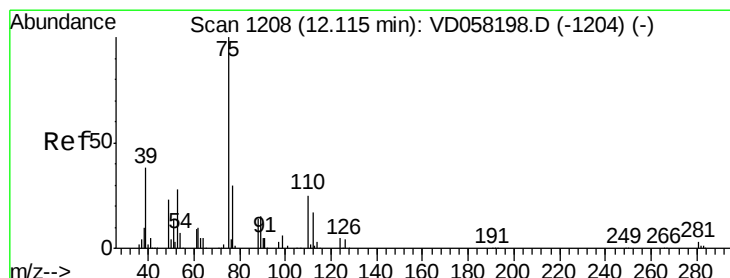
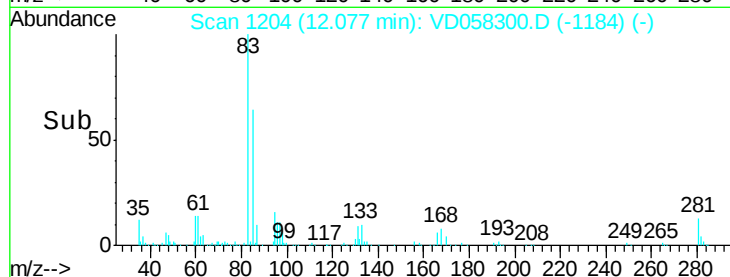
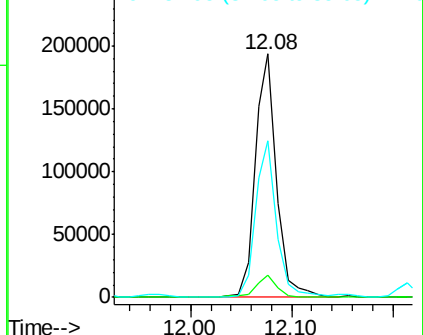
83 100

131 9.1 4.8 14.3

85 64.2 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: 65.846 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058300.D

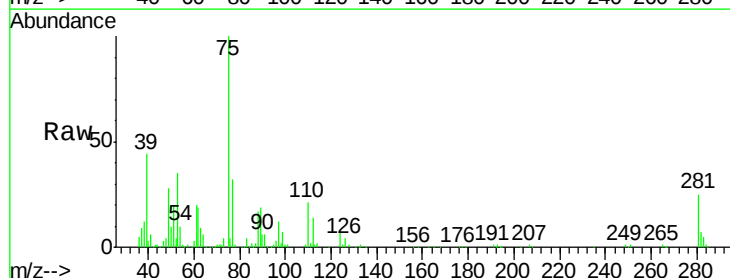
Acq: 22 Jun 2018 16:57

Tgt Ion: 75 Resp: 292144

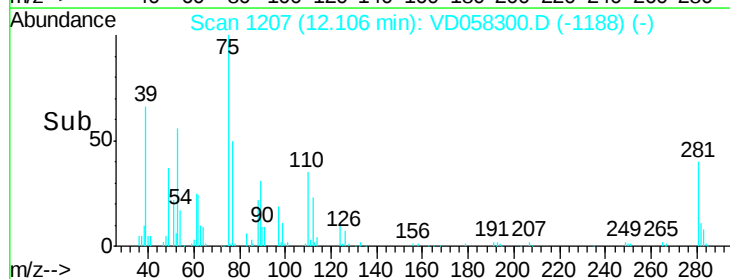
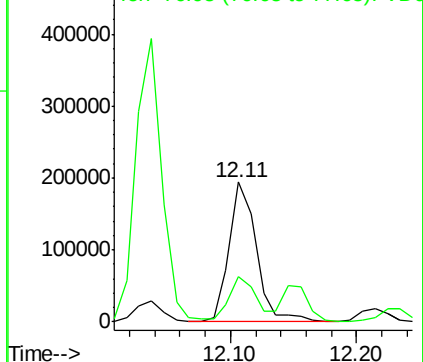
Ion Ratio Lower Upper

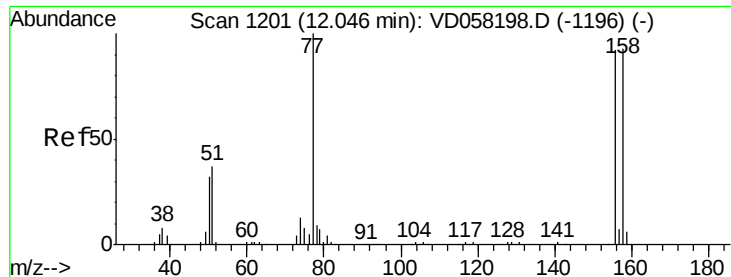
75 100

77 32.0 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: 77.149 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

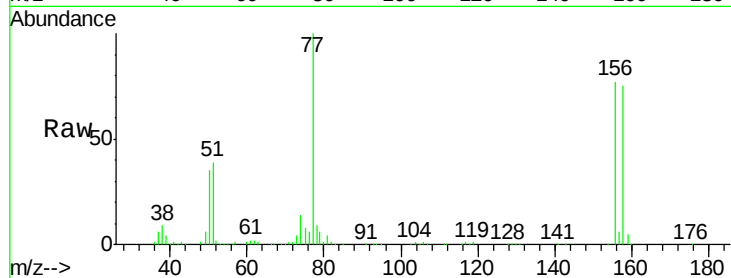
Tot Ion:156 Resp: 419918

Ion Ratio Lower Upper

156 100

77 129.7 54.5 163.6

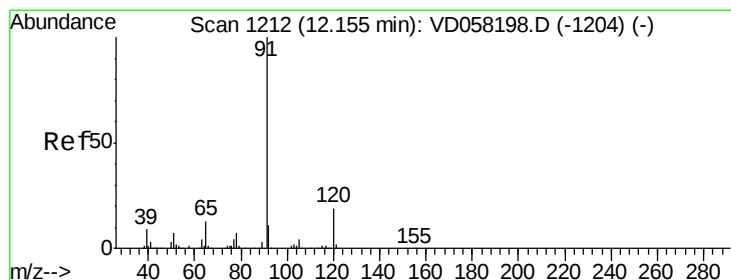
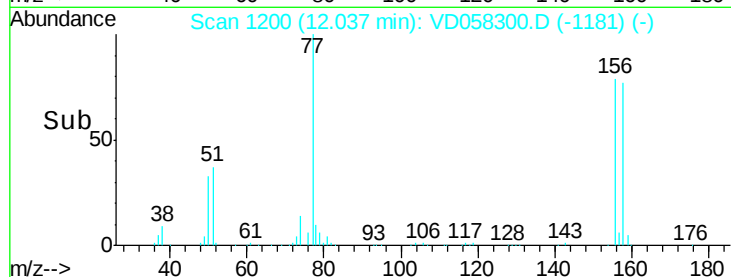
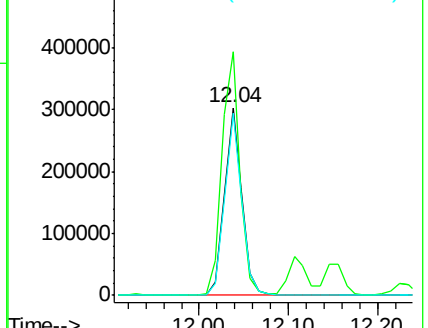
158 96.8 50.8 152.5



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: 76.983 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058300.D

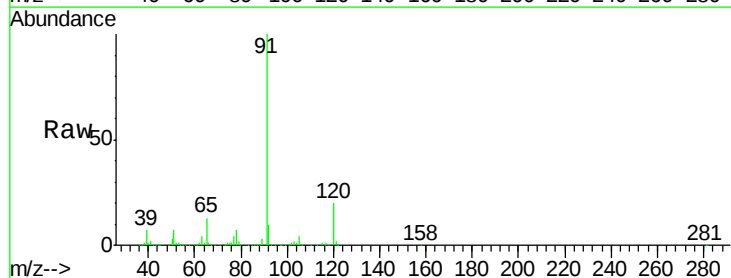
Acq: 22 Jun 2018 16:57

Tgt Ion: 91 Resp: 1807027

Ion Ratio Lower Upper

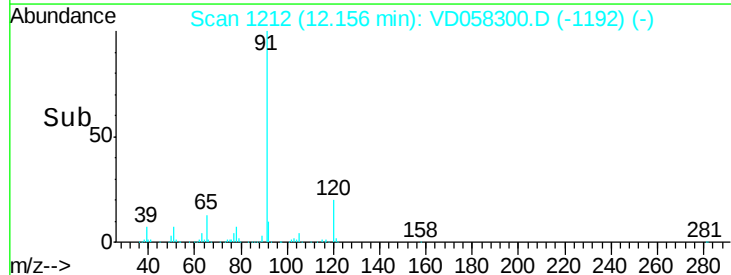
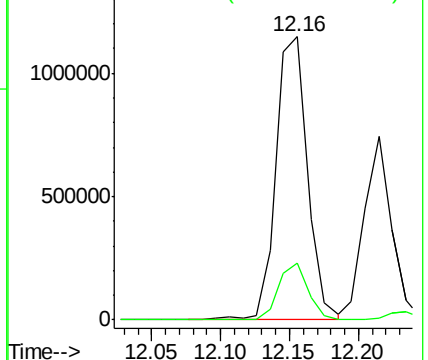
91 100

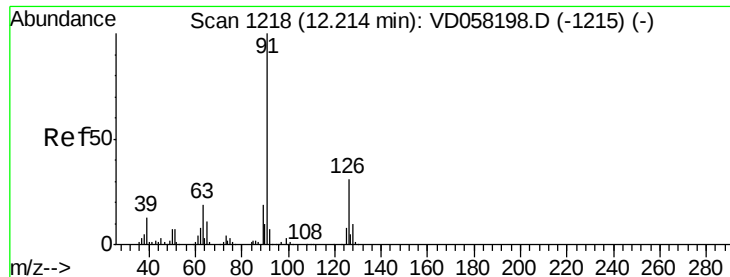
120 20.1 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

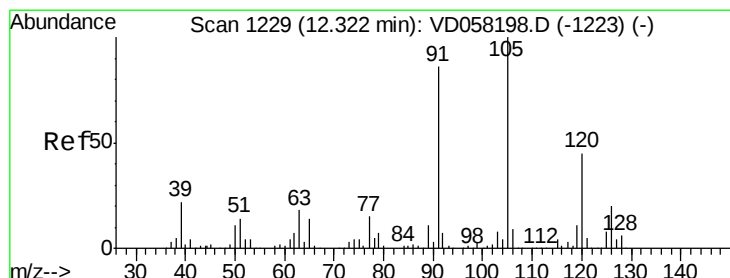
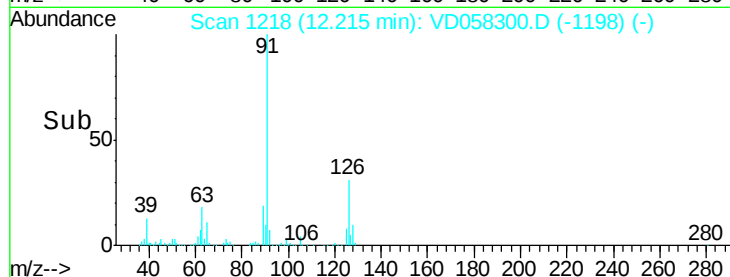
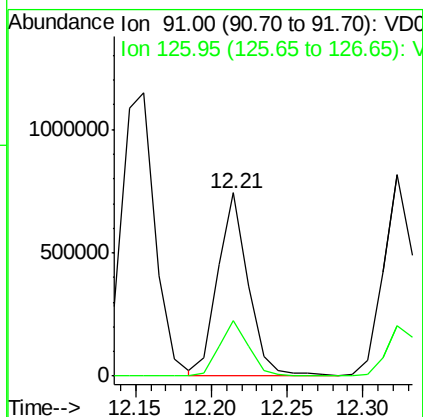
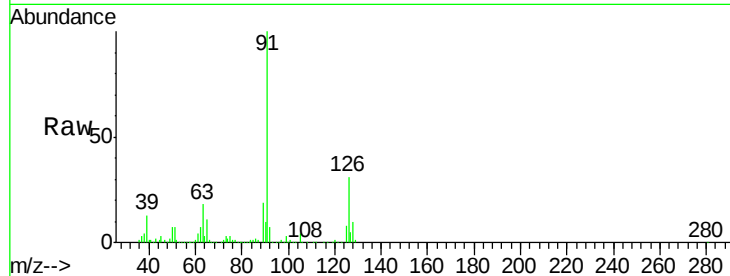




#79
 2-Chlorotoluene
 Concen: 76.754 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

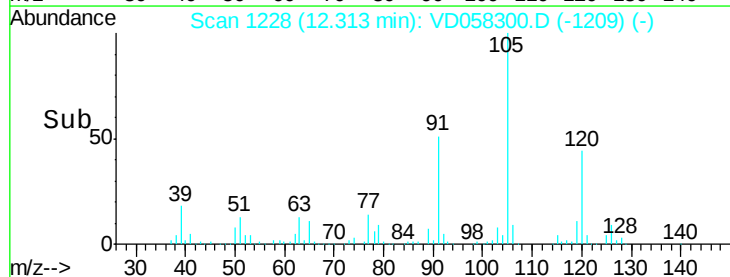
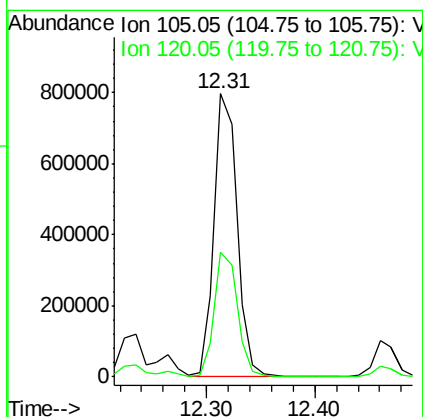
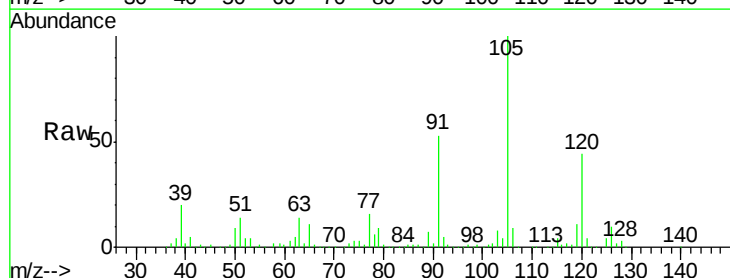
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

Tot Ion: 91 Resp: 1030978
 Ion Ratio Lower Upper
 91 100
 126 30.5 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 83.274 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion:105 Resp: 1180604
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 67.812 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

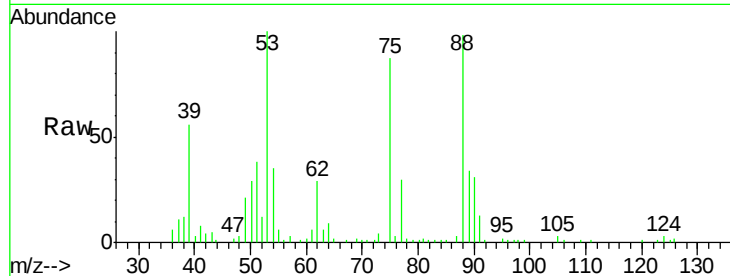
Tot Ion: 75 Resp: 73379

Ion Ratio Lower Upper

75 100

53 115.0 100.8 151.2

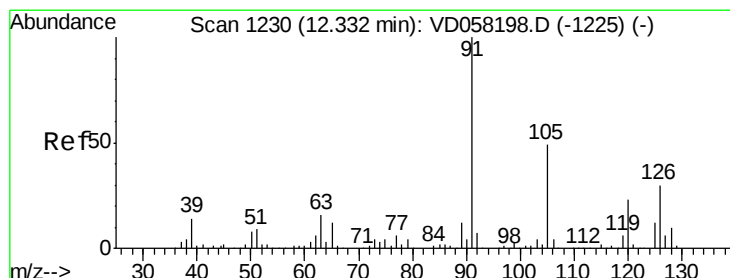
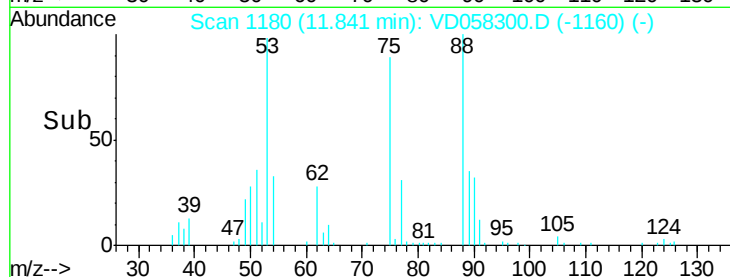
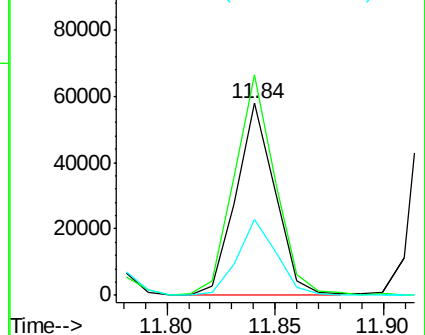
89 39.6 34.6 52.0



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: 90.566 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058300.D

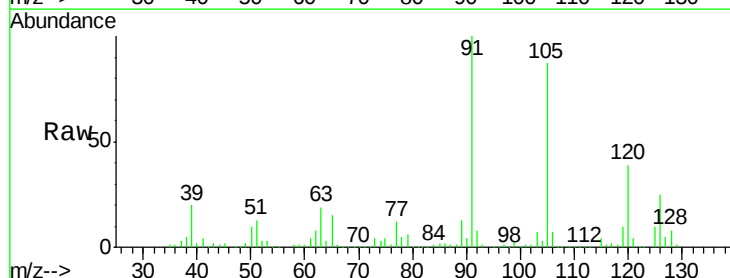
Acq: 22 Jun 2018 16:57

Tgt Ion: 91 Resp: 1127796

Ion Ratio Lower Upper

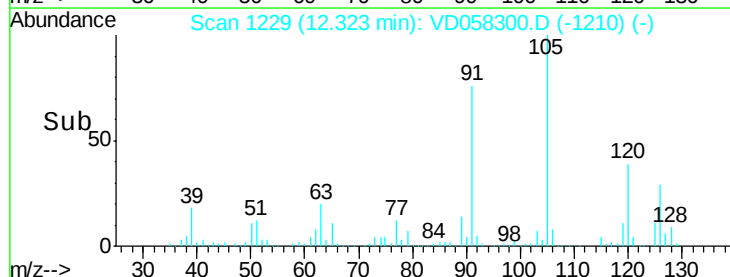
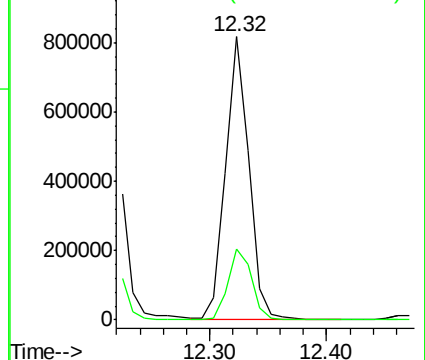
91 100

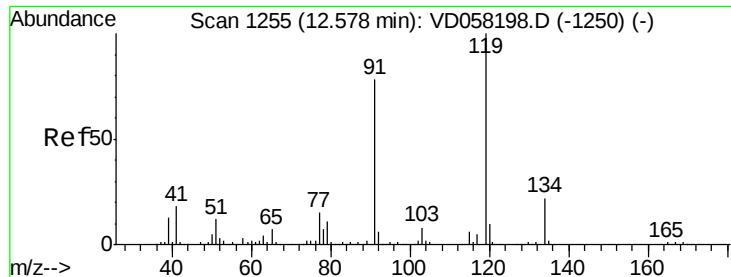
126 25.1 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

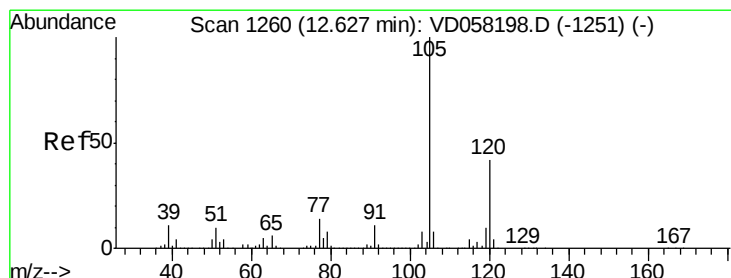
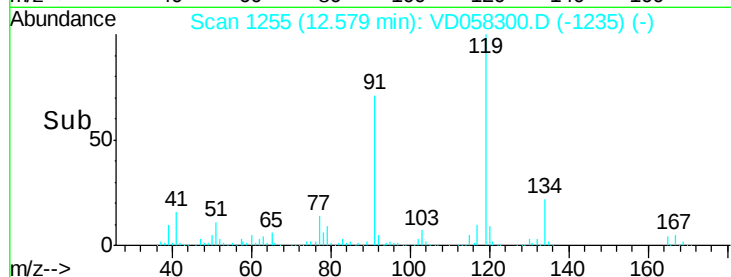
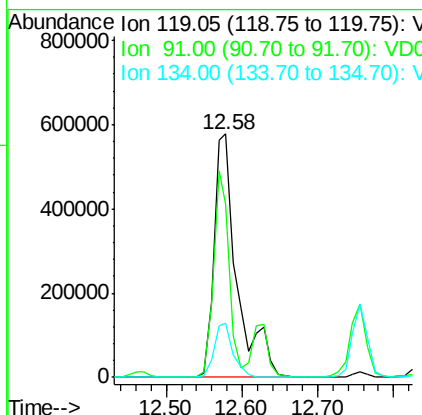
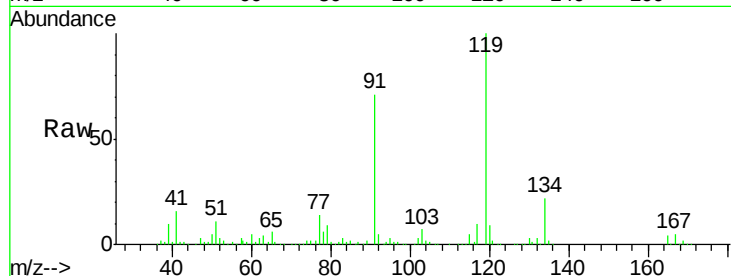




#83
tert-Butylbenzene
Concen: 76.428 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

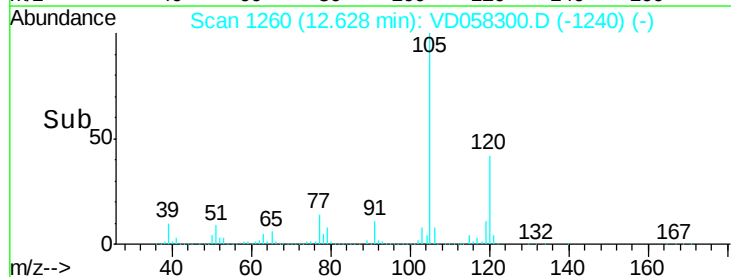
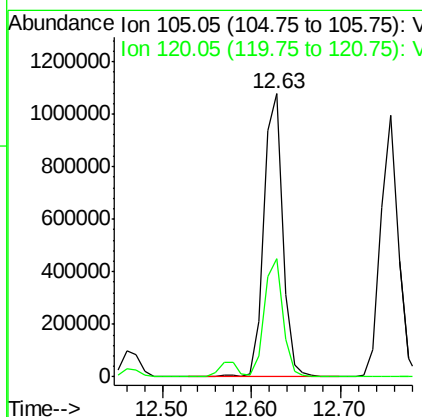
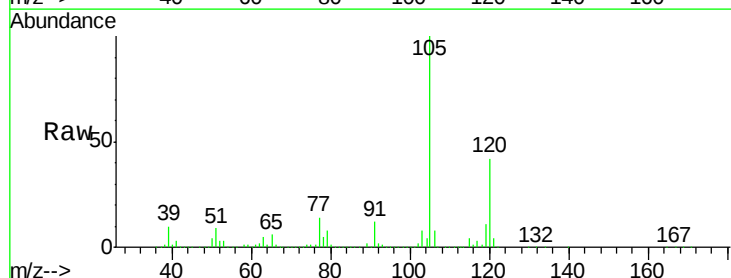
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

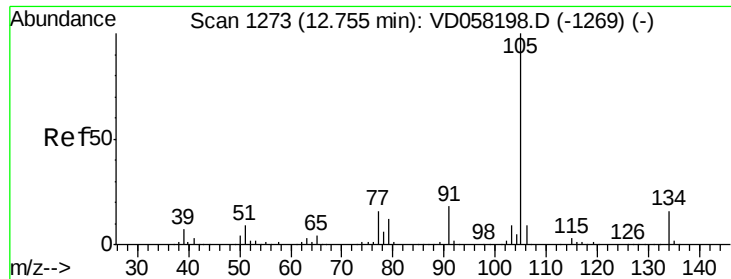
Tot Ion:119 Resp: 1245737
Ion Ratio Lower Upper
119 100
91 71.2 38.9 116.6
134 22.5 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 101.160 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion:105 Resp: 1558960
Ion Ratio Lower Upper
105 100
120 41.8 20.8 62.4





#85

sec-Butylbenzene

Concen: 69.994 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

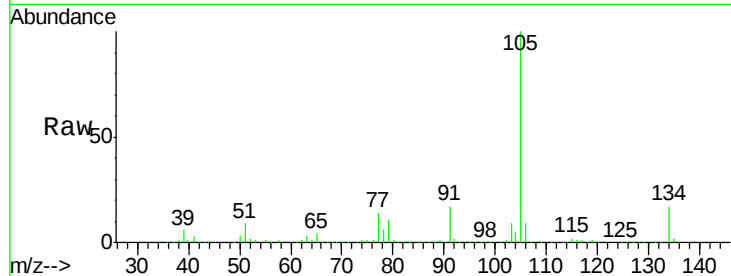
WP021SB472-13-15-180618MS

Tot Ion:105 Resp: 1337258

Ion Ratio Lower Upper

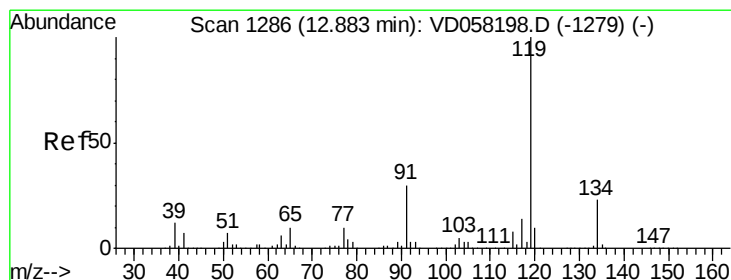
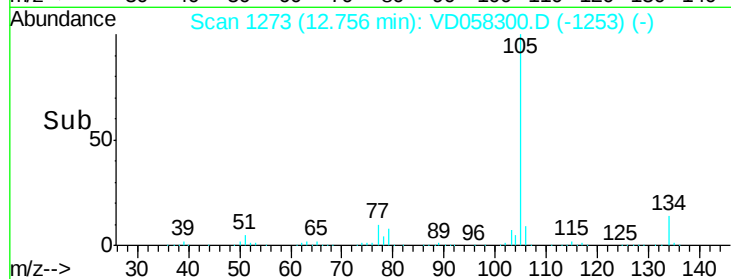
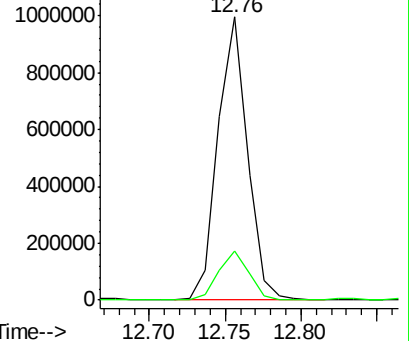
105 100

134 17.4 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 75.186 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

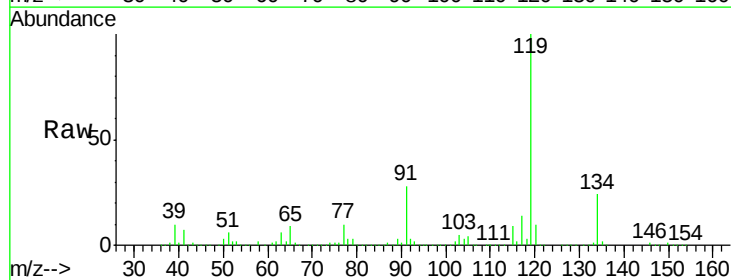
Tgt Ion:119 Resp: 1164059

Ion Ratio Lower Upper

119 100

134 23.6 11.6 34.8

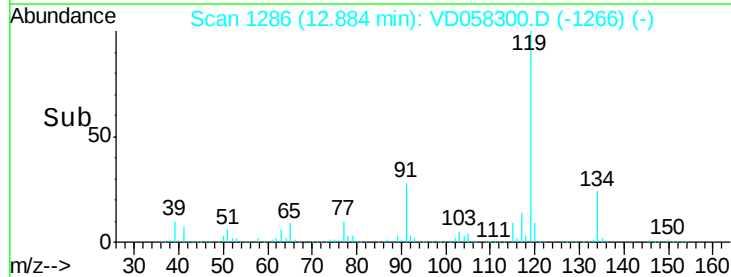
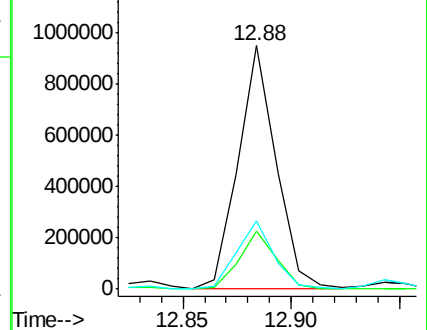
91 28.2 15.0 45.1

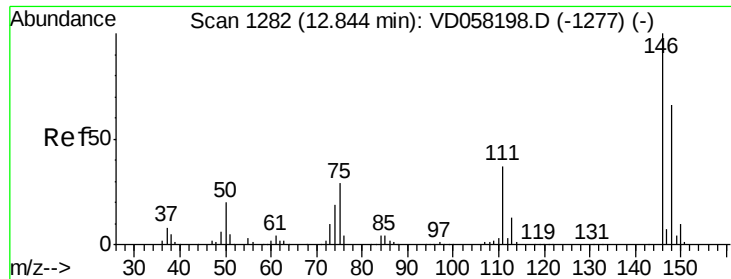


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

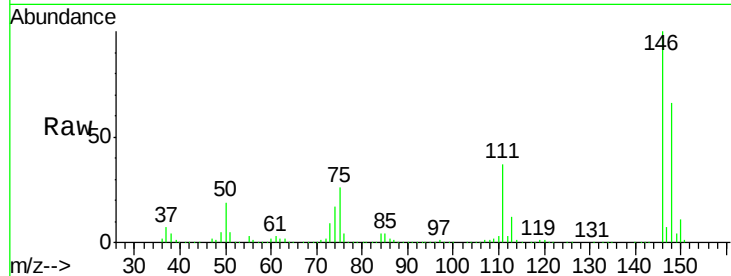




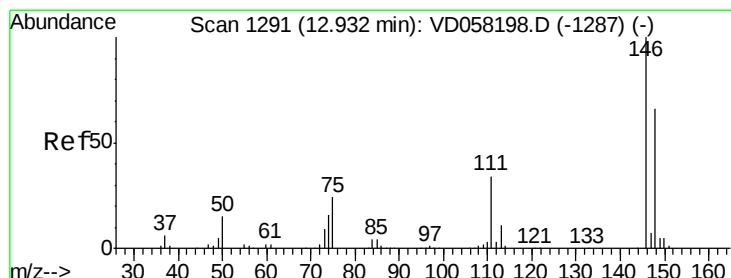
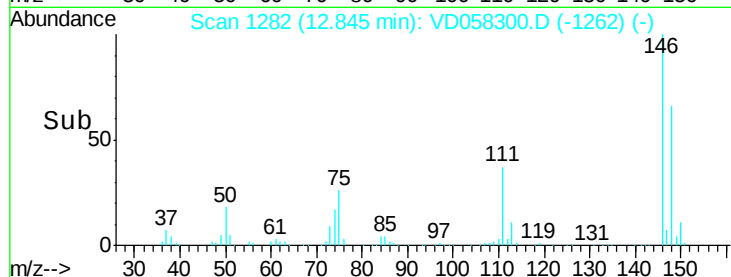
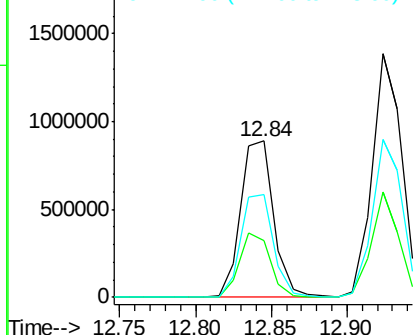
#87
 1,3-Dichlorobenzene
 Concen: 142.066 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

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

Tot Ion:146 Resp: 1344001
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.0
 148 66.1 32.8 98.4

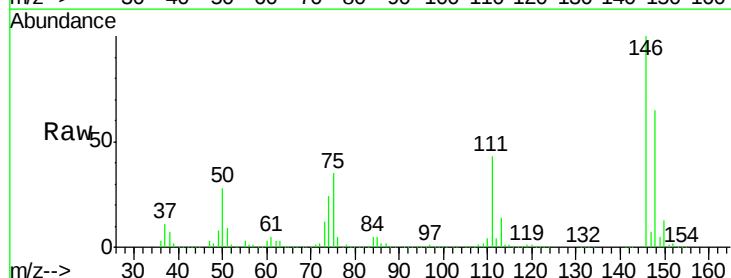


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

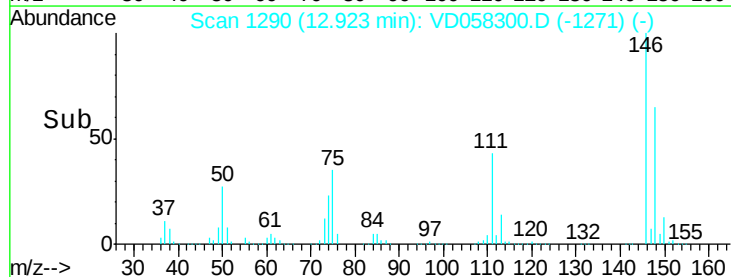
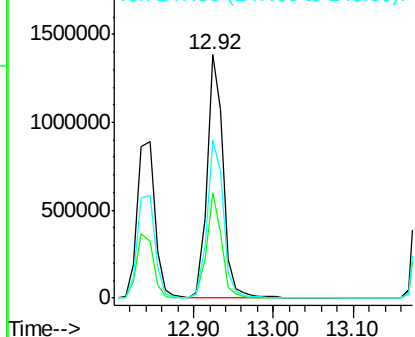


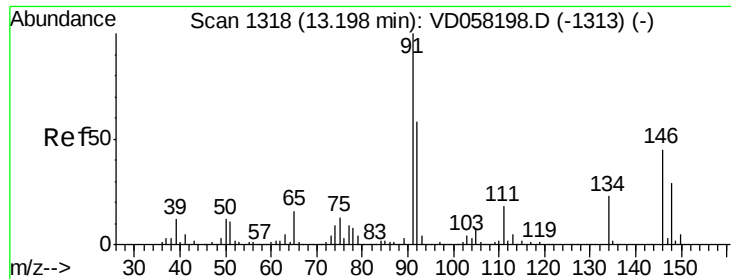
#88
 1,4-Dichlorobenzene
 Concen: 210.250 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion:146 Resp: 1942350
 Ion Ratio Lower Upper
 146 100
 111 43.1 17.2 51.5
 148 64.7 33.1 99.3



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

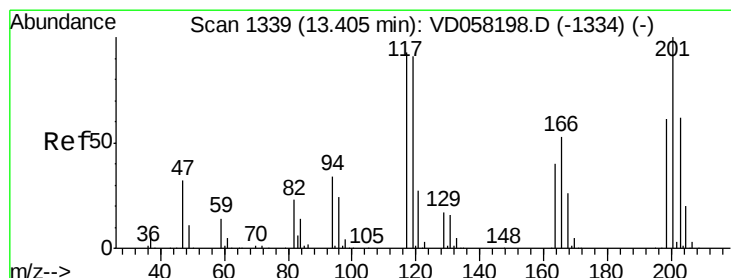
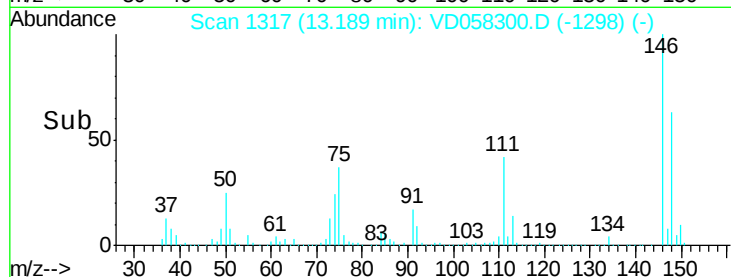
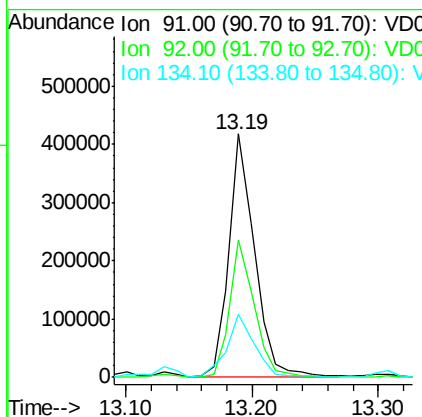
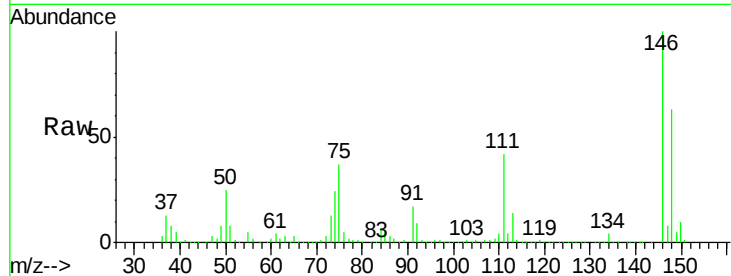




#89
n-Butylbenzene
Concen: 35.797 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

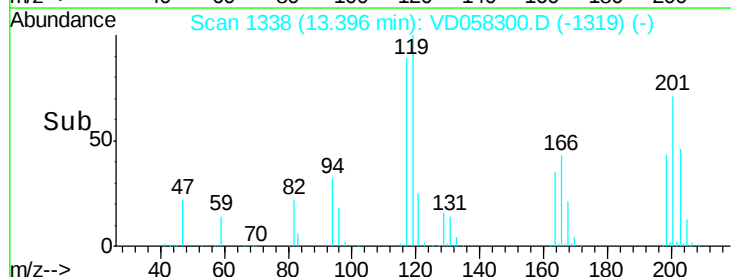
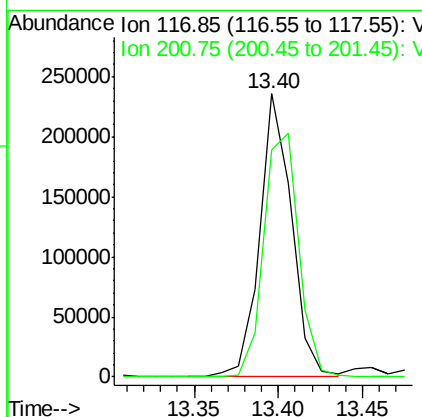
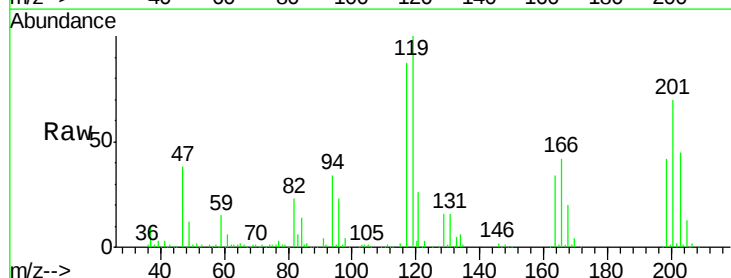
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

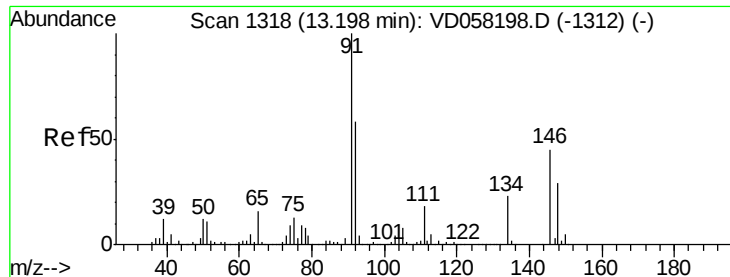
Tot Ion: 91 Resp: 582479
Ion Ratio Lower Upper
91 100
92 56.2 29.2 87.6
134 25.8 11.3 33.8



#90
Hexachloroethane
Concen: 76.837 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion: 117 Resp: 308770
Ion Ratio Lower Upper
117 100
201 80.2 53.8 161.4





#91

1,2-Dichlorobenzene

Concen: 738.358 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

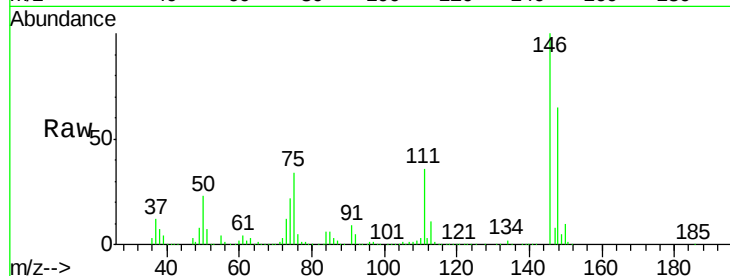
Tot Ion:146 Resp: 5944350

Ion Ratio Lower Upper

146 100

111 35.8 19.6 58.7

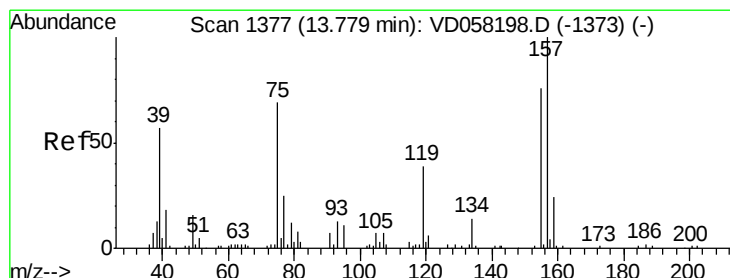
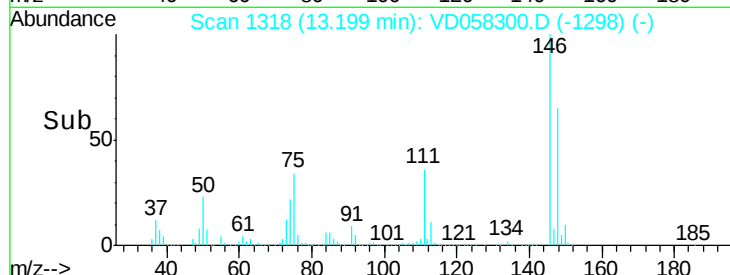
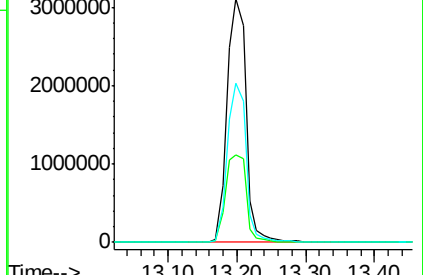
148 65.1 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 71.757 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

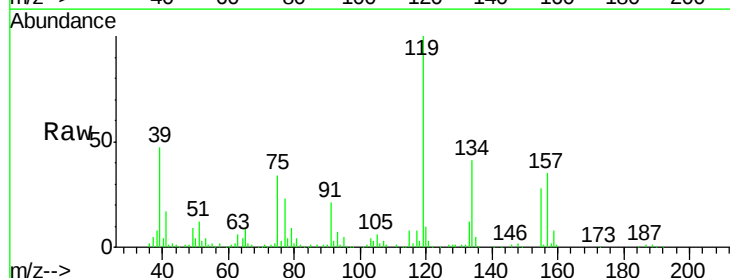
Tgt Ion: 75 Resp: 48306

Ion Ratio Lower Upper

75 100

155 82.4 54.5 163.5

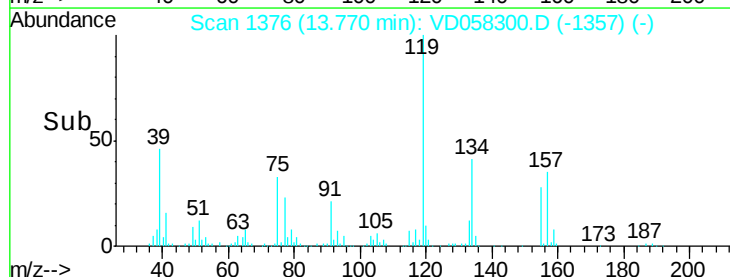
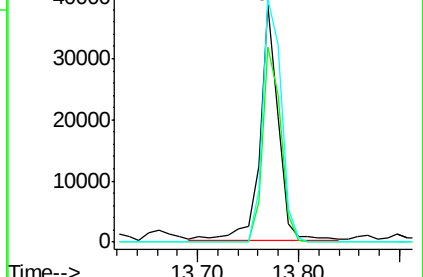
157 102.7 72.0 215.9



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

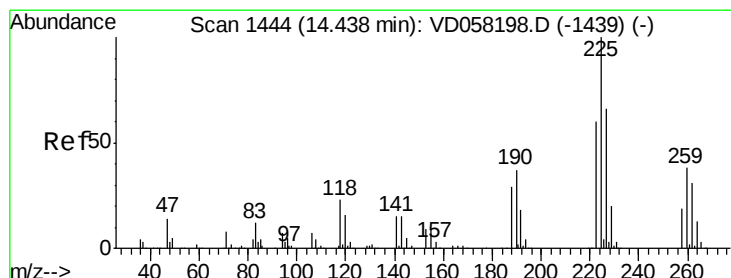
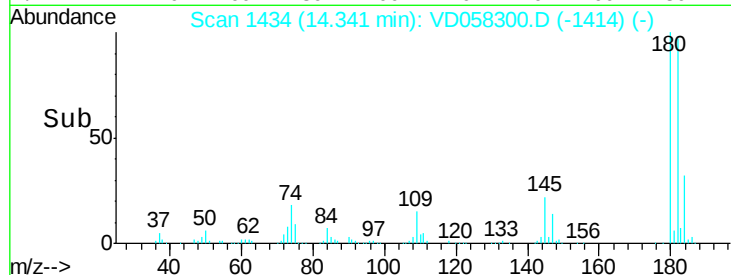
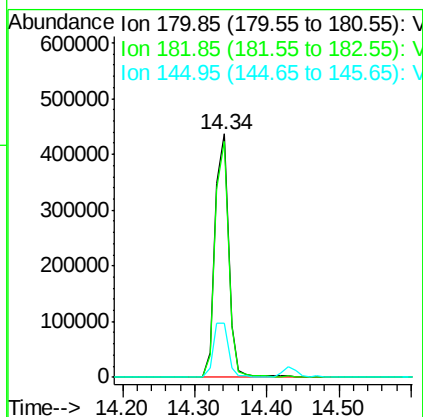
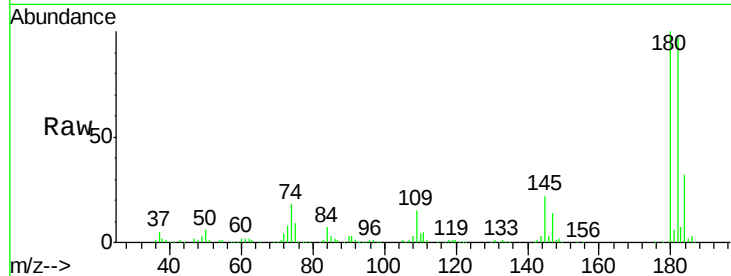




#93
 1,2,4-Trichlorobenzene
 Concen: 73.901 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

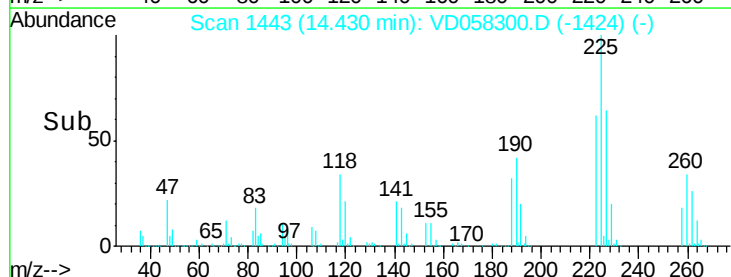
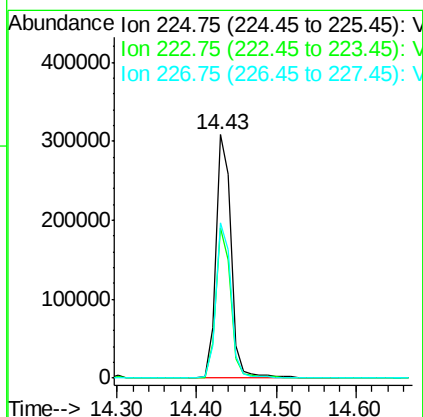
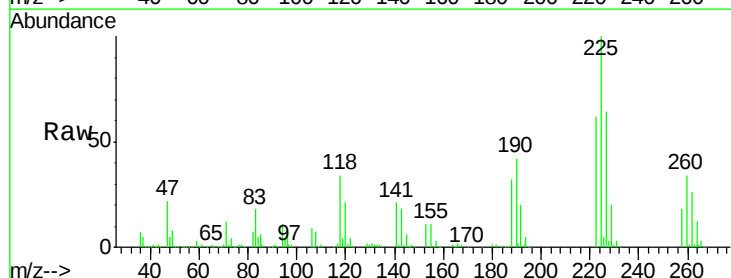
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

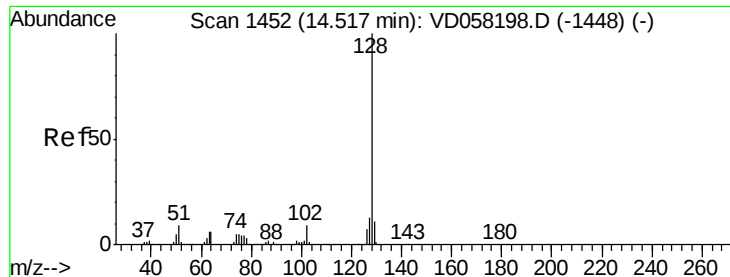
Tot Ion:180 Resp: 569031
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.1 141.3
 145 22.1 11.7 35.0



#94
 Hexachlorobutadiene
 Concen: 69.089 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion:225 Resp: 416089
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.1 90.3
 227 63.7 33.0 98.9

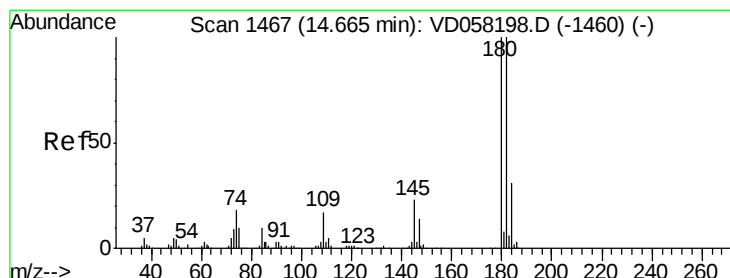
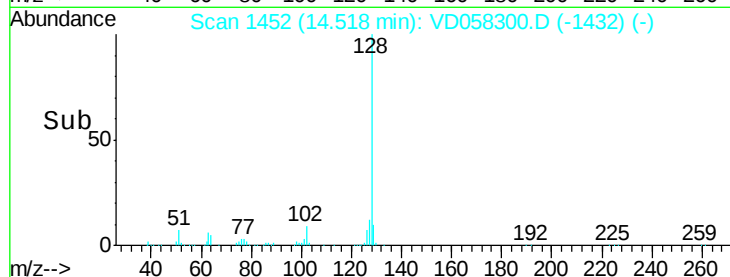
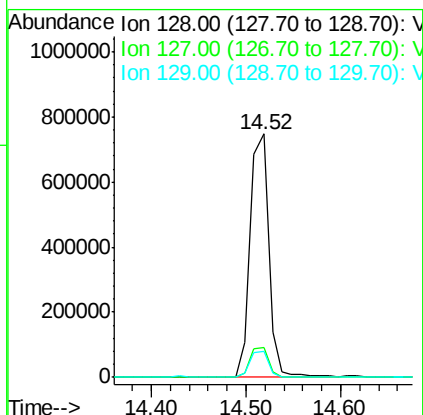
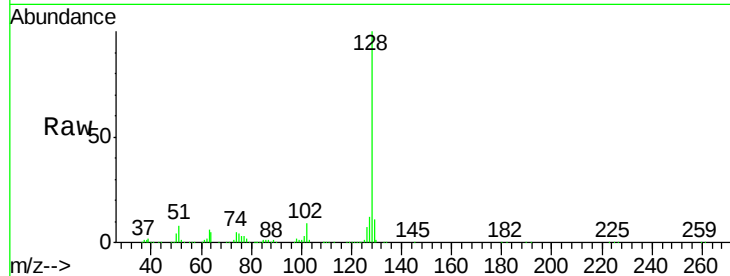




#95
Naphthalene
Concen: 100.836 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

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

Tot Ion:128 Resp: 1022747
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 66.978 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion:180 Resp: 451484
Ion Ratio Lower Upper
180 100
182 98.7 49.9 149.6
145 26.2 11.7 35.1

