

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058206.D
 Acq On : 20 Jun 2018 13:15
 Operator : VA/AP
 Sample : VD0620SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

Quant Time: Jun 21 01:44:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	37430	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	53574	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	50652	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.92	152	31373	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	28023	74.12	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	148.24%	
35) Dibromofluoromethane	5.55	113	25550	58.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	117.20%	
50) Toluene-d8	8.71	98	59874	56.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.52%	
62) 4-Bromofluorobenzene	11.94	95	30088	69.82	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	139.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	7443	18.654	ug/l	93
3) Chloromethane	1.48	50	5535	32.348	ug/l #	86
4) Vinyl Chloride	1.56	62	3559	18.151	ug/l #	83
5) Bromomethane	1.82	94	2628	38.092	ug/l #	68
6) Chloroethane	1.90	64	2515	33.356	ug/l	90
7) Trichlorofluoromethane	2.09	101	5745	21.369	ug/l	93
8) Diethyl Ether	2.34	74	1360	23.916	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.57	101	2615	15.300	ug/l #	91
10) Methyl Iodide	2.71	142	3929	20.210	ug/l #	74
11) Tert butyl alcohol	3.24	59	5070	406.594	ug/l #	66
12) 1,1-Dichloroethene	2.56	96	2888	22.458	ug/l #	35
13) Acrolein	2.47	56	3239	455.025	ug/l	82
14) Allyl chloride	2.92	41	9436	31.527	ug/l	85
15) Acrylonitrile	3.37	53	14523	439.249	ug/l #	78
16) Acetone	2.62	43	25740	497.833	ug/l #	90
17) Carbon Disulfide	2.77	76	8333	19.046	ug/l #	68
18) Methyl Acetate	2.95	43	8742	79.280	ug/l #	65
19) Methyl tert-butyl Ether	3.41	73	17904	52.493	ug/l	92
20) Methylene Chloride	3.08	84	3838	26.162	ug/l #	76
21) trans-1,2-Dichloroethene	3.41	96	5129	36.495	ug/l #	62
22) Diisopropyl ether	4.07	45	29295	24.644	ug/l #	86
23) Vinyl Acetate	4.02	43	83042	130.320	ug/l	96
24) 1,1-Dichloroethane	3.98	63	16327	25.495	ug/l #	90
25) 2-Butanone	4.85	43	48948	434.358	ug/l	94
26) 2,2-Dichloropropane	4.80	77	9952	18.559	ug/l	94
27) cis-1,2-Dichloroethene	4.81	96	8263	23.528	ug/l	94
28) Bromochloromethane	5.15	49	8418	29.323	ug/l	98
29) Tetrahydrofuran	5.20	42	25715	428.708	ug/l	89
30) Chloroform	5.33	83	15238	22.539	ug/l	90
31) Cyclohexane	5.60	56	9849	17.818	ug/l #	68
32) 1,1,1-Trichloroethane	5.52	97	9853	17.639	ug/l #	80
36) 1,1-Dichloropropene	5.76	75	10312	19.457	ug/l #	86
37) Ethyl Acetate	4.93	43	22967	76.058	ug/l #	84
38) Carbon Tetrachloride	5.74	117	8636	16.400	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	8503	16.472	ug/l #	91
40) Benzene	6.02	78	25418	20.133	ug/l	99
41) Methacrylonitrile	5.14	41	6521	44.721	ug/l #	82
42) 1,2-Dichloroethane	6.13	62	13387	26.298	ug/l	92
43) Isopropyl Acetate	7.63	43	24781	61.555	ug/l #	92
44) Trichloroethene	6.99	130	7393	19.502	ug/l	89
45) 1,2-Dichloropropane	7.36	63	7934	23.335	ug/l #	81
46) Dibromomethane	7.47	93	6725	28.974	ug/l	91
47) Bromodichloromethane	7.75	83	10937	20.664	ug/l	99
48) Methyl methacrylate	7.52	41	11381	46.514	ug/l	95
49) 1,4-Dioxane	7.51	88	3946	1786.605	ug/l	86
51) 4-Methyl-2-Pentanone	8.60	43	79122	301.310	ug/l	97
52) Toluene	8.81	92	16996	23.643	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	10471	22.754	ug/l #	73
54) cis-1,3-Dichloropropene	8.37	75	11141	20.651	ug/l #	85
55) 1,1,2-Trichloroethane	9.46	97	8270	32.516	ug/l #	85
56) Ethyl methacrylate	9.32	69	9565	31.446	ug/l	94
57) 1,3-Dichloropropane	9.68	76	13291	31.023	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.20	63	26274	174.483	ug/l #	90
59) 2-Hexanone	9.79	43	66299	349.411	ug/l	88
60) Dibromochloromethane	9.97	129	7260	21.033	ug/l	74
61) 1,2-Dibromoethane	10.10	107	9597	34.475	ug/l #	76
64) Tetrachloroethene	9.52	164	7870	18.466	ug/l #	86
65) Chlorobenzene	10.73	112	19641	20.730	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	10.86	131	6655	18.201	ug/l	97
67) Ethyl Benzene	10.87	91	33730	20.165	ug/l	99
68) m/p-Xylenes	11.02	106	23852	42.760	ug/l	96
69) o-Xylene	11.41	106	12056	22.629	ug/l	72
70) Styrene	11.44	104	20326	22.358	ug/l	98
71) Bromoform	11.61	173	6849	23.481	ug/l #	94
73) Isopropylbenzene	11.78	105	28929	15.416	ug/l	98
74) N-amyl acetate	11.65	43	21905	30.189	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	13955	31.956	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	15834	34.568	ug/l	94
77) Bromobenzene	12.05	156	10409	18.524	ug/l	72
78) n-propylbenzene	12.16	91	37901	15.640	ug/l	95
79) 2-Chlorotoluene	12.23	91	25616	18.472	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	24561	16.780	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.85	75	3067	27.453	ug/l #	75
82) 4-Chlorotoluene	12.33	91	30796	19.466	ug/l	97
83) tert-Butylbenzene	12.58	119	26917	15.996	ug/l	91
84) 1,2,4-Trimethylbenzene	12.63	105	25909	16.285	ug/l	96
85) sec-Butylbenzene	12.76	105	29615	15.014	ug/l	97
86) p-Isopropyltoluene	12.90	119	24094	15.074	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	20565	21.056	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	19186	20.116	ug/l	90
89) n-Butylbenzene	13.20	91	27386	16.302	ug/l	92
90) Hexachloroethane	13.41	117	4977	11.996	ug/l	69
91) 1,2-Dichlorobenzene	13.20	146	18078	21.750	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	2647	38.086	ug/l	69

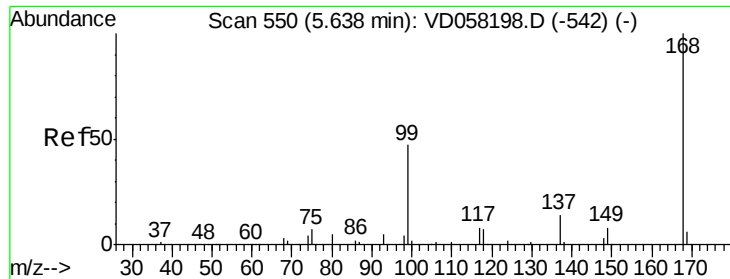
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	14951	18.808	ug/l	91
94) Hexachlorobutadiene	14.44	225	8012	12.886	ug/l	90
95) Naphthalene	14.52	128	29012	27.706	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	13895	19.966	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

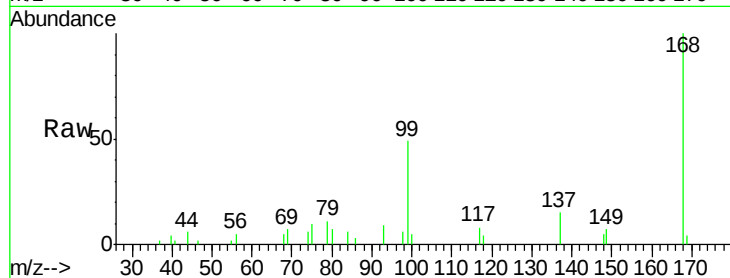
VD0620SBS01

Tot Ion:168 Resp: 37430

Ion Ratio Lower Upper

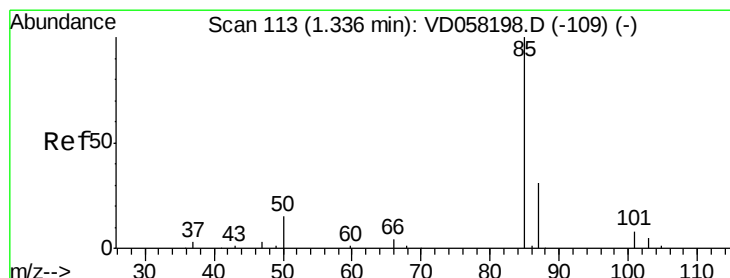
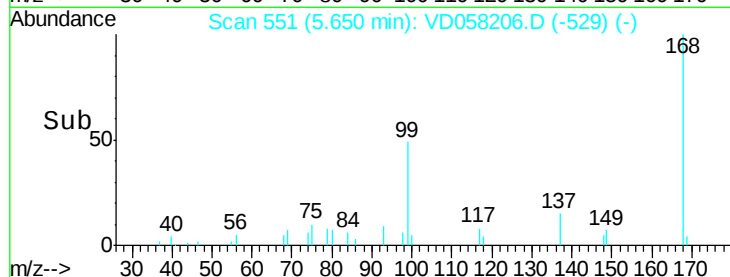
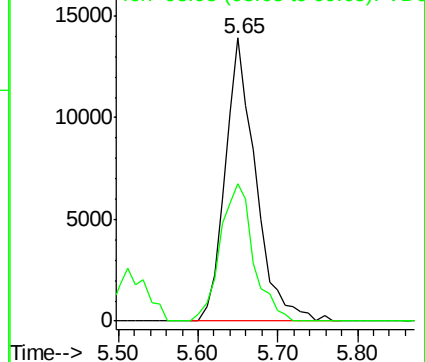
168 100

99 48.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.654 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058206.D

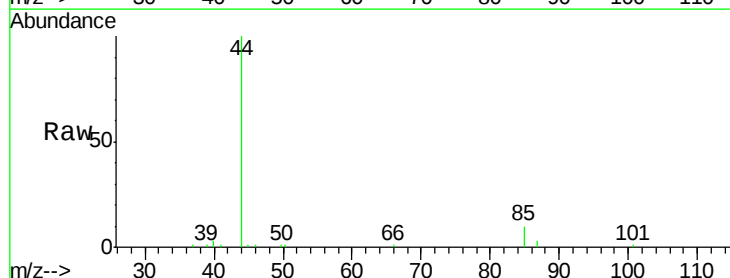
Acq: 20 Jun 2018 13:15

Tgt Ion: 85 Resp: 7443

Ion Ratio Lower Upper

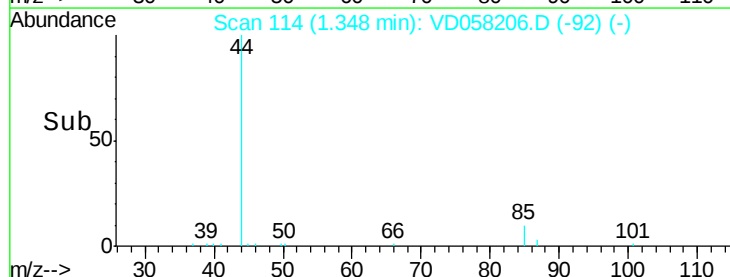
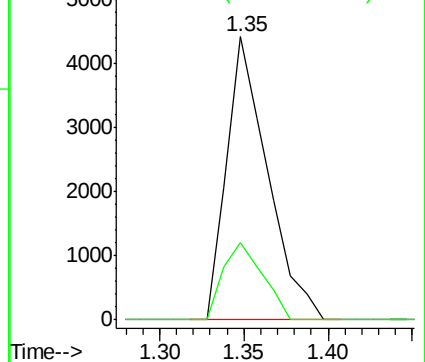
85 100

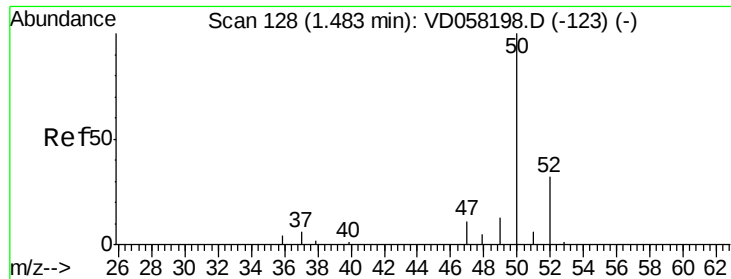
87 27.2 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

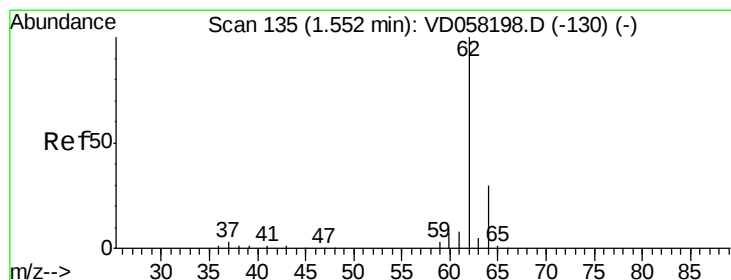
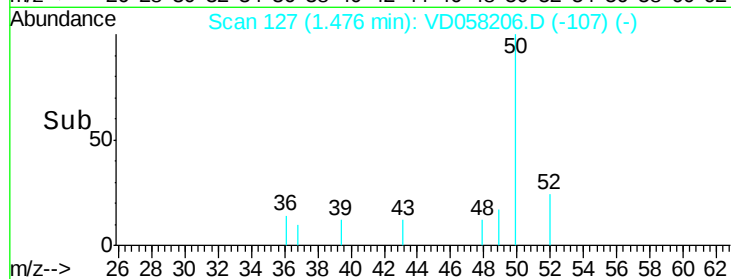
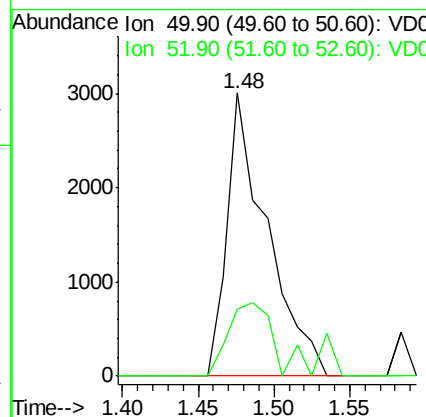
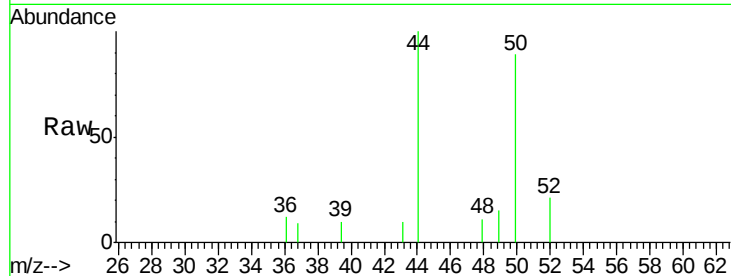




#3
 Chloromethane
 Concen: 32.348 ug/l
 RT: 1.48 min Scan# 127
 Delta R.T. -0.01 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

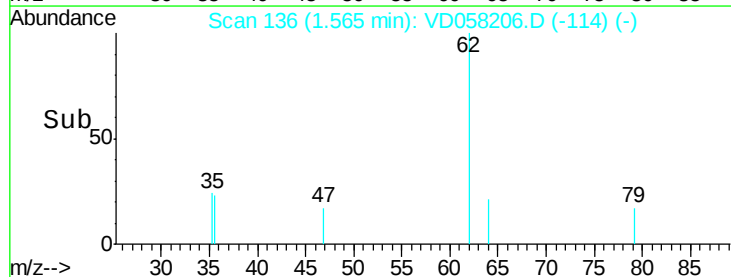
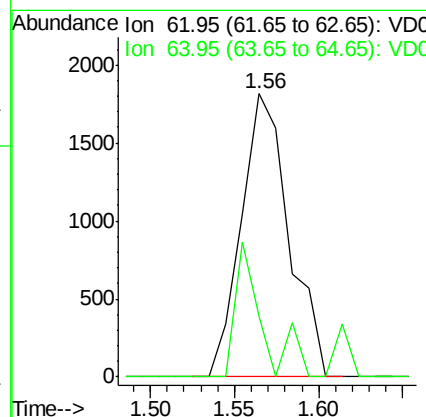
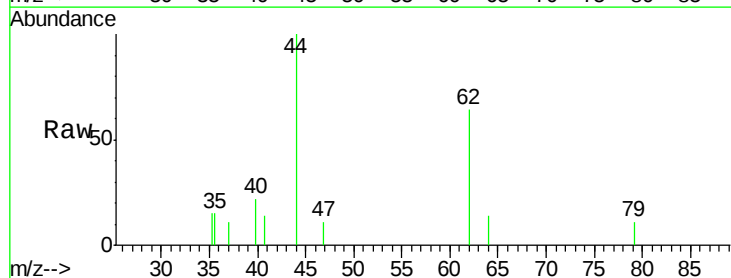
Instrument :
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 VD0620SBS01

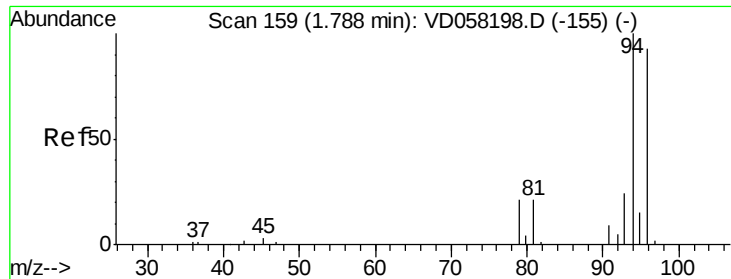
Tot Ion: 50 Resp: 5535
 Ion Ratio Lower Upper
 50 100
 52 23.7 25.0 37.4#



#4
 Vinyl Chloride
 Concen: 18.151 ug/l
 RT: 1.56 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

Tgt Ion: 62 Resp: 3559
 Ion Ratio Lower Upper
 62 100
 64 21.3 24.4 36.6#

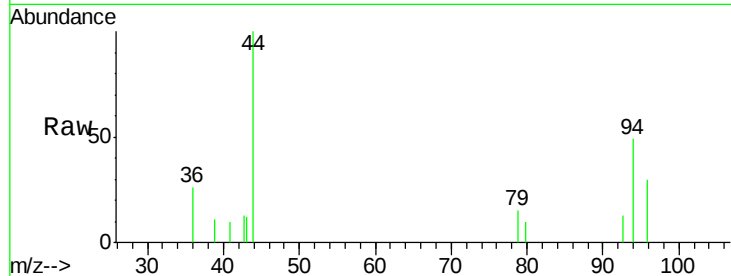




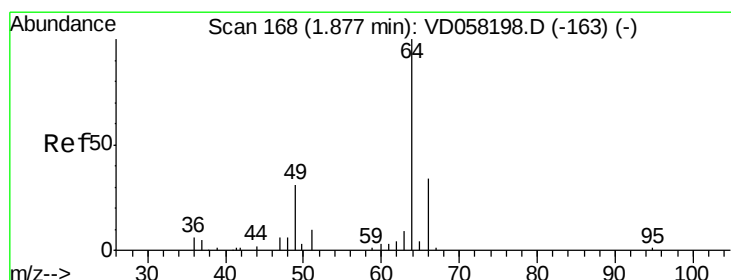
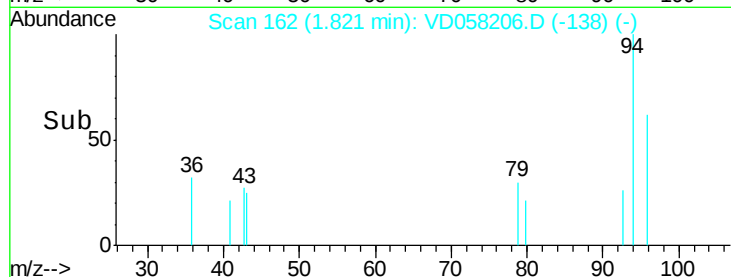
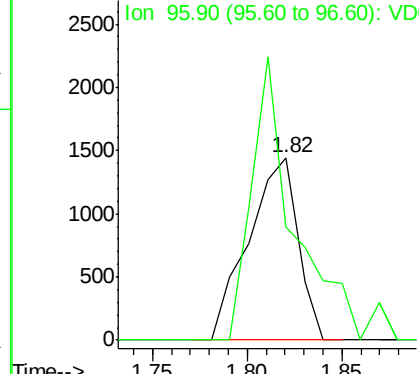
#5
Bromomethane
Concen: 38.092 ug/l
RT: 1.82 min Scan# 162
Delta R.T. 0.03 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion: 94 Resp: 2628
Ion Ratio Lower Upper
94 100
96 62.0 74.2 111.2#

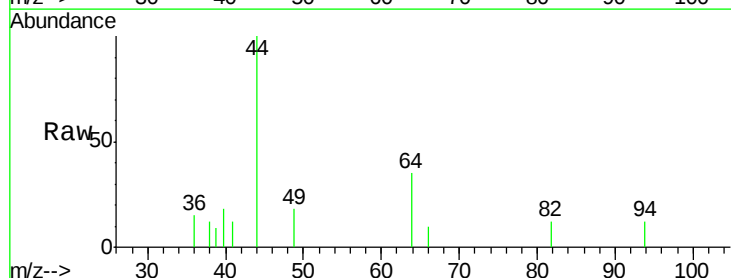


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

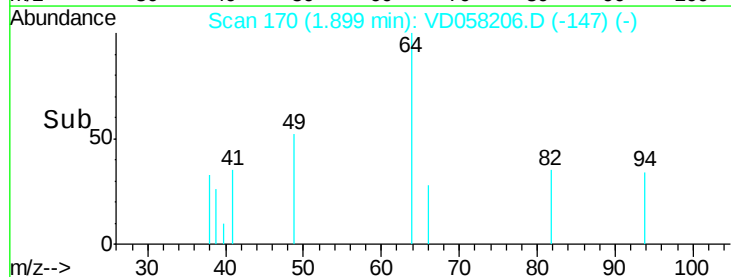
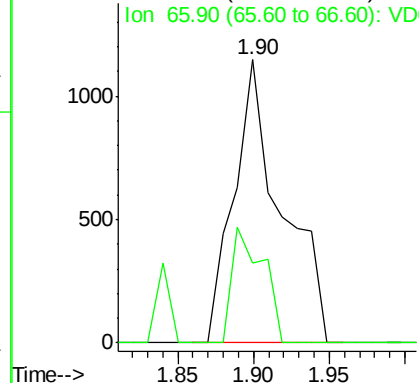


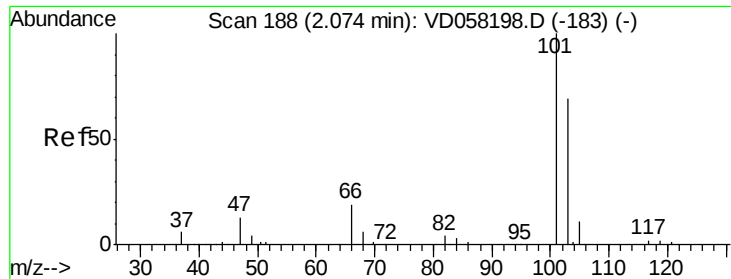
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Chloroethane
Concen: 33.356 ug/l
RT: 1.90 min Scan# 170
Delta R.T. 0.02 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion: 64 Resp: 2515
Ion Ratio Lower Upper
64 100
66 28.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



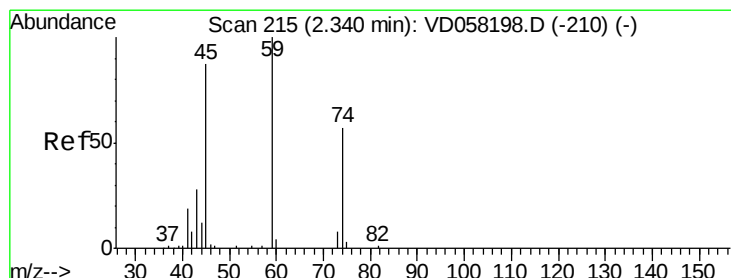
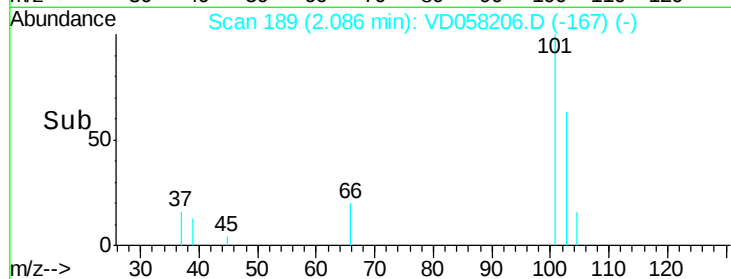
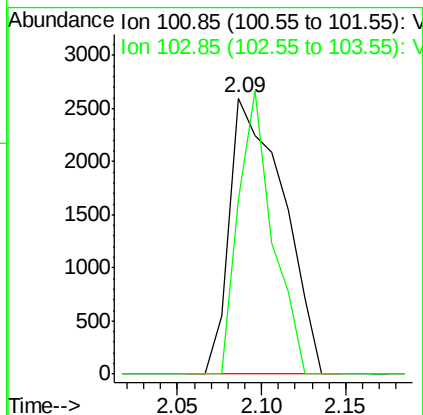
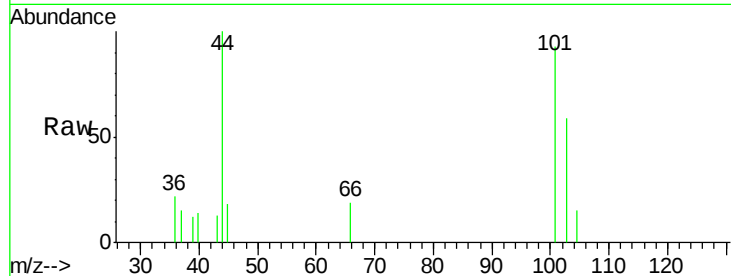


#7

Trichlorofluoromethane
 Concen: 21.369 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

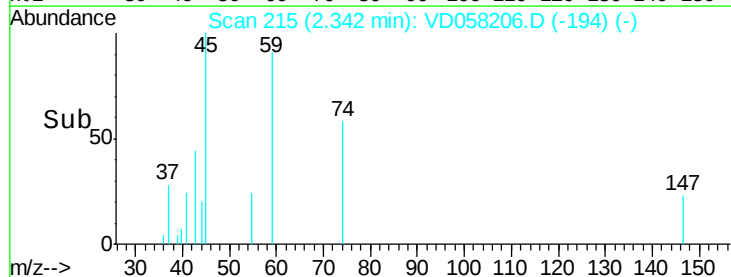
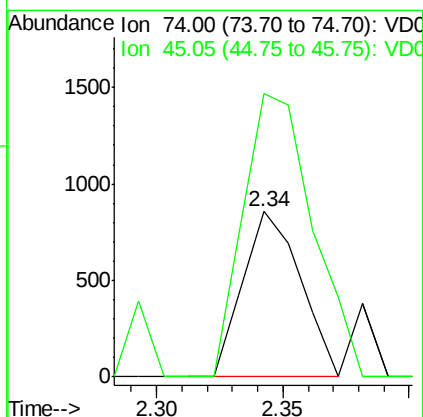
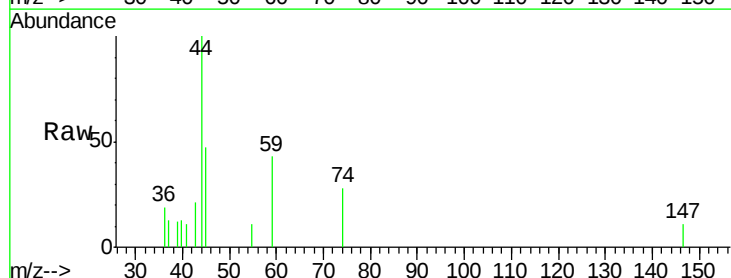
Tot Ion:101 Resp: 5745
 Ion Ratio Lower Upper
 101 100
 103 63.1 55.1 82.7



#8

Diethyl Ether
 Concen: 23.916 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

Tgt Ion: 74 Resp: 1360
 Ion Ratio Lower Upper
 74 100
 45 171.6 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.300 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.02 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

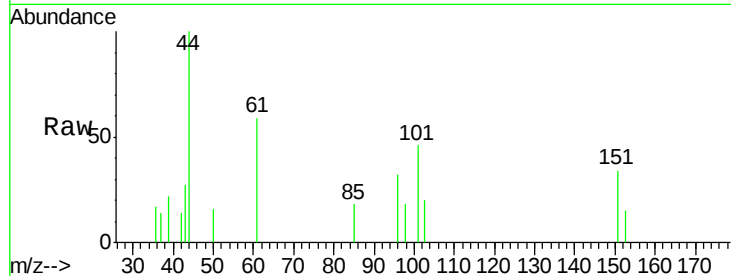
Tot Ion:101 Resp: 2615

Ion Ratio Lower Upper

101 100

85 38.5 39.0 58.4#

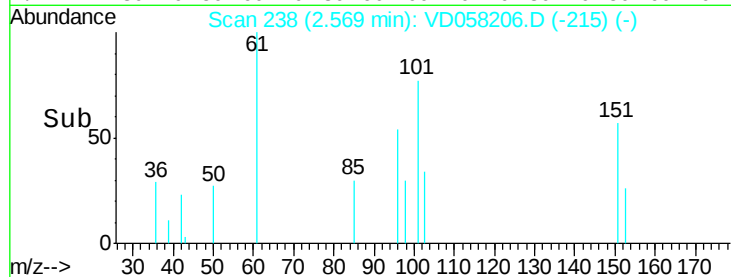
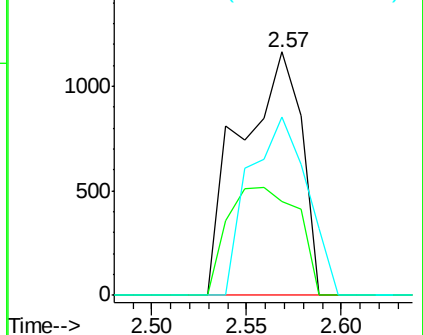
151 73.1 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.210 ug/l

RT: 2.71 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

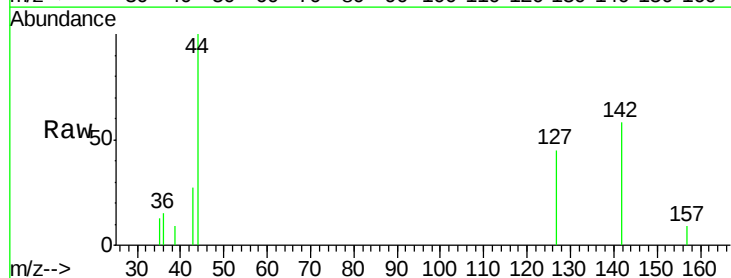
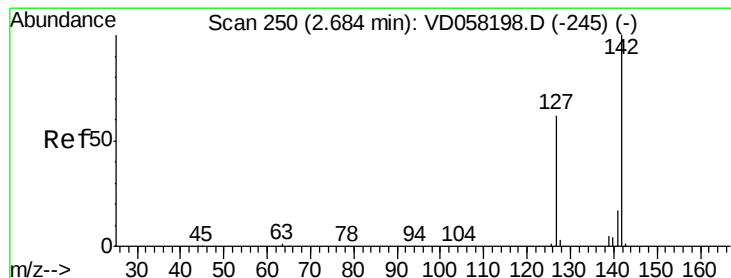
Tgt Ion:142 Resp: 3929

Ion Ratio Lower Upper

142 100

127 79.0 49.4 74.0#

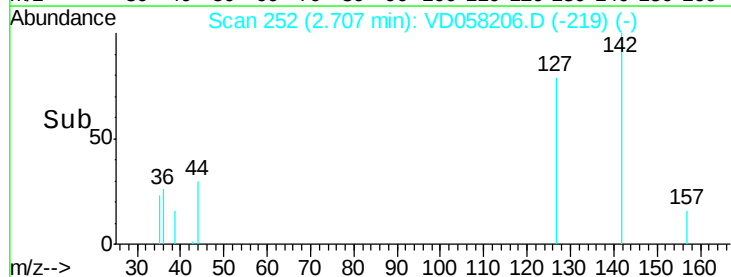
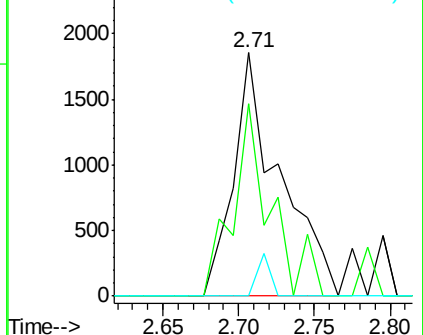
141 0.0 13.5 20.3#



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



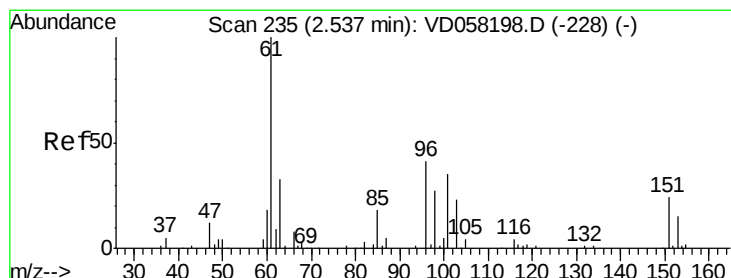
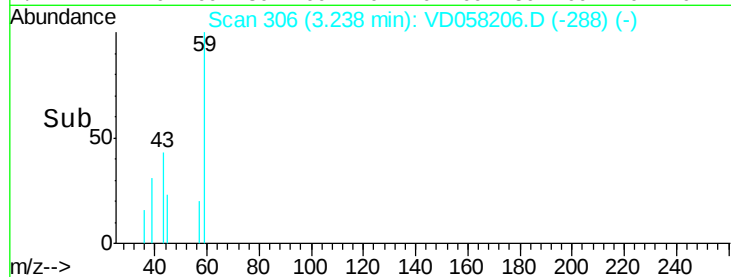
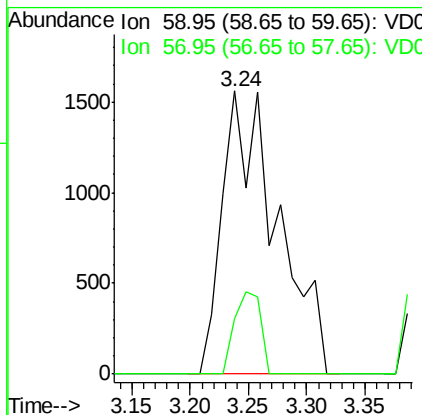
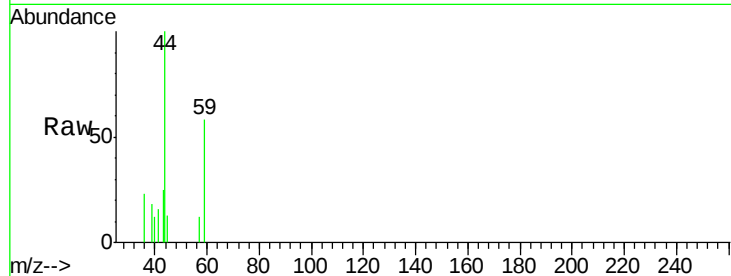


#11

Tert butyl alcohol
Concen: 406.594 ug/l
RT: 3.24 min Scan# 306
Delta R.T. -0.03 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

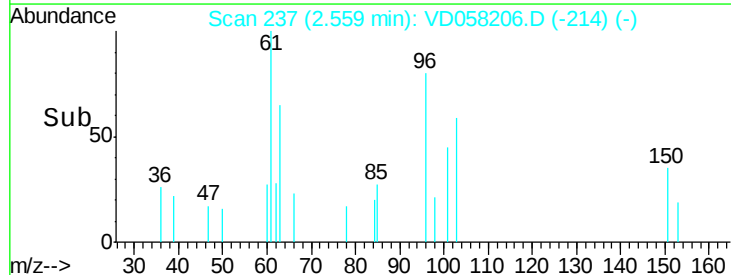
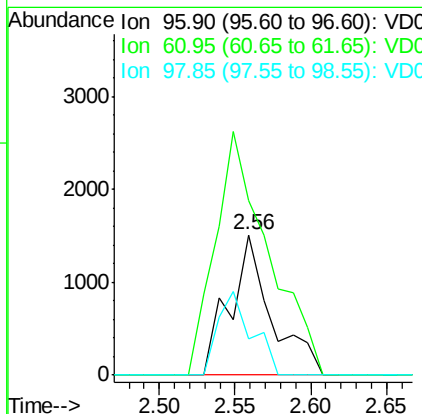
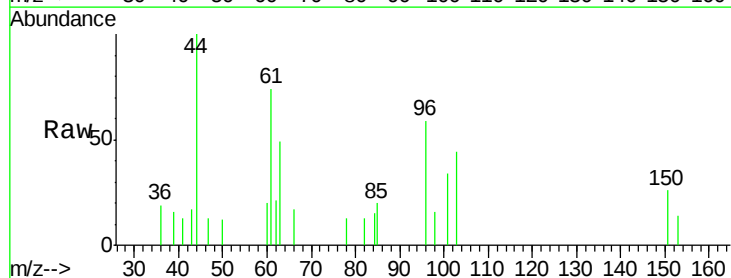
Tot Ion: 59 Resp: 5070
Ion Ratio Lower Upper
59 100
57 19.8 6.2 9.4#

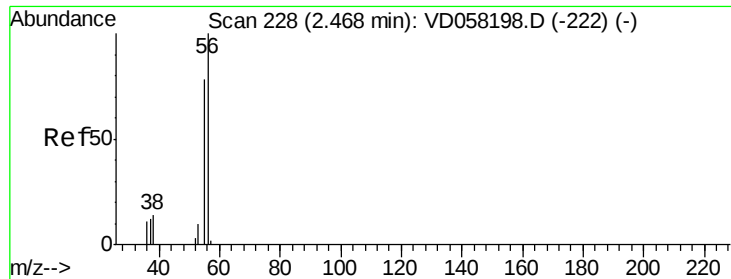


#12

1,1-Dichloroethene
Concen: 22.458 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.02 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion: 96 Resp: 2888
Ion Ratio Lower Upper
96 100
61 124.8 193.9 290.9#
98 26.2 51.7 77.5#





#13

Acrolein

Concen: 455.025 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

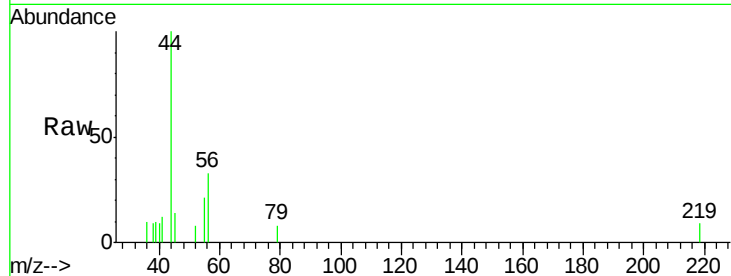
VD0620SBS01

Tot Ion: 56 Resp: 3239

Ion Ratio Lower Upper

56 100

55 62.3 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

1500

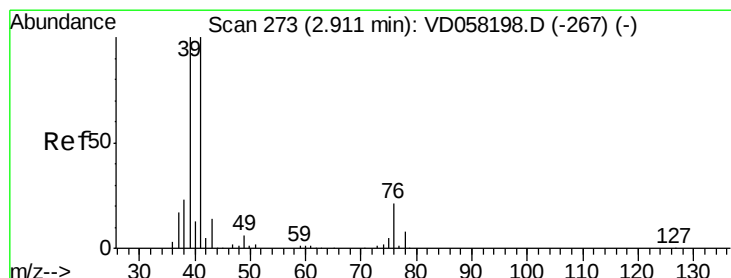
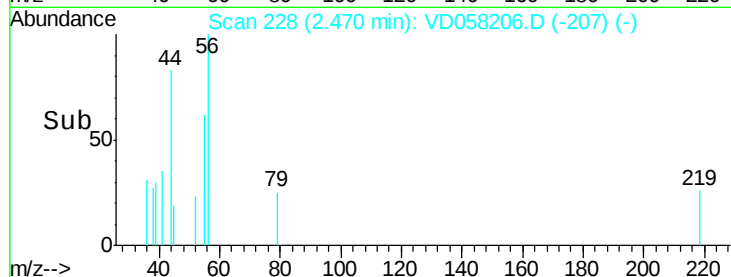
1000

500

0

2.40 2.45 2.50 2.55

Time-->



#14

Allyl chloride

Concen: 31.527 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

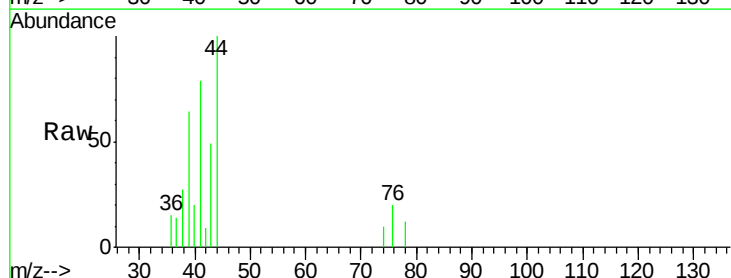
Tgt Ion: 41 Resp: 9436

Ion Ratio Lower Upper

41 100

39 81.4 80.1 120.1

76 24.9 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3000

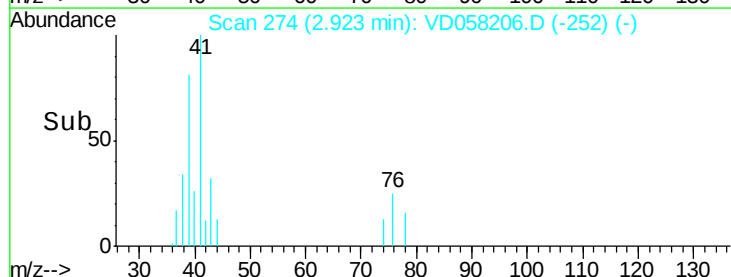
2000

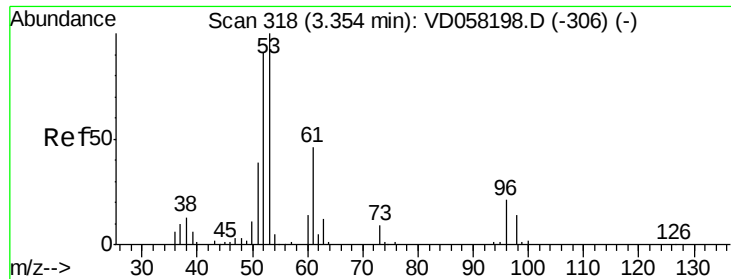
1000

0

2.80 2.90 3.00

Time-->

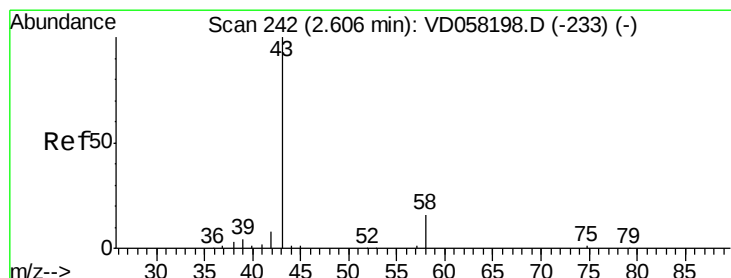
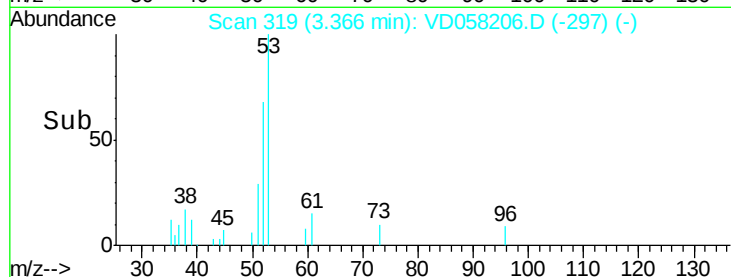
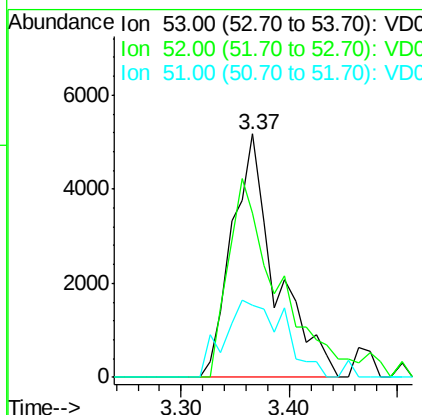
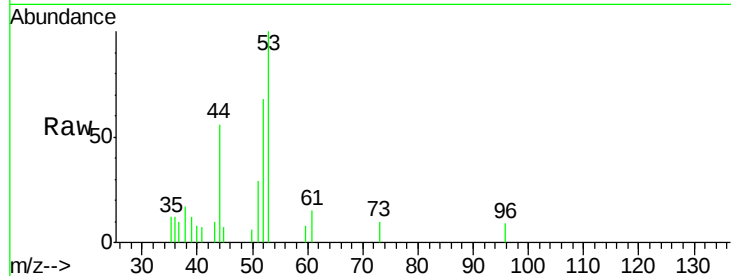




#15
 Acrylonitrile
 Concen: 439.249 ug/l
 RT: 3.37 min Scan# 319
 Delta R.T. 0.01 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

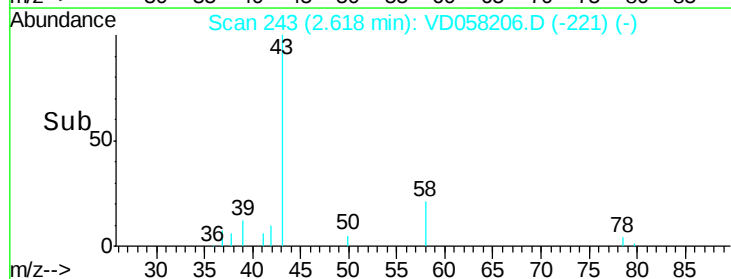
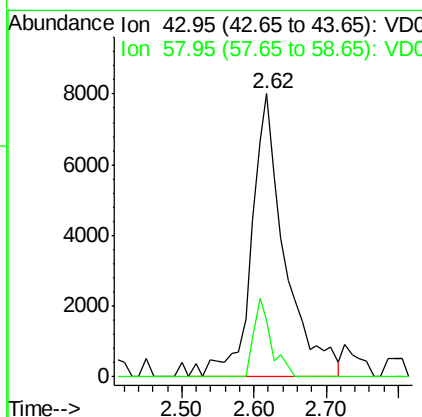
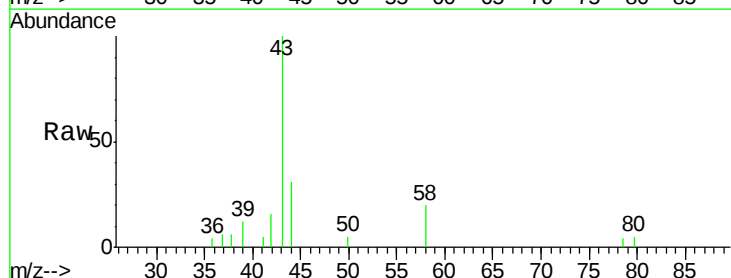
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

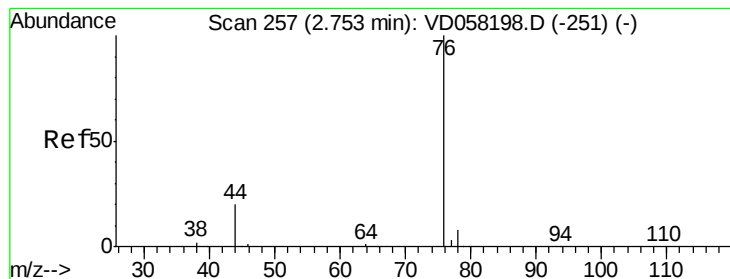
Tot Ion: 53 Resp: 14523
 Ion Ratio Lower Upper
 53 100
 52 67.6 72.6 108.8#
 51 29.4 32.2 48.4#



#16
 Acetone
 Concen: 497.833 ug/l
 RT: 2.62 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

Tgt Ion: 43 Resp: 25740
 Ion Ratio Lower Upper
 43 100
 58 20.2 12.7 19.1#





#17

Carbon Disulfide

Concen: 19.046 ug/l

RT: 2.77 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

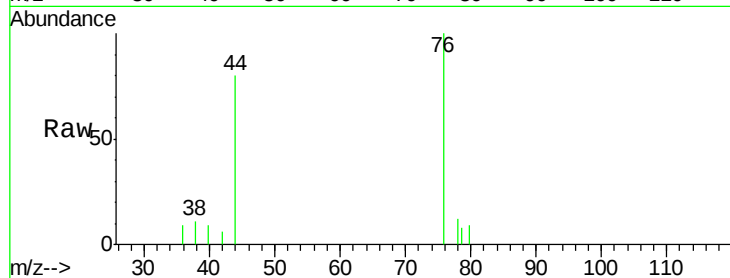
VD0620SBS01

Tot Ion: 76 Resp: 8333

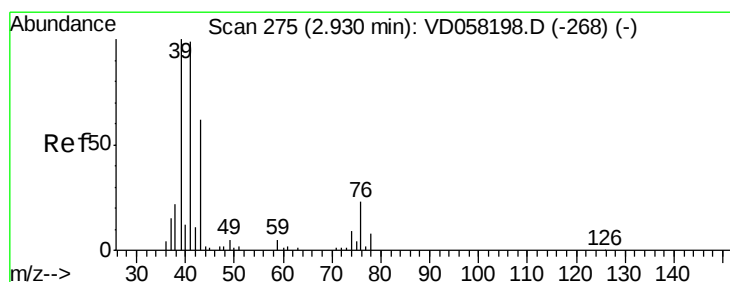
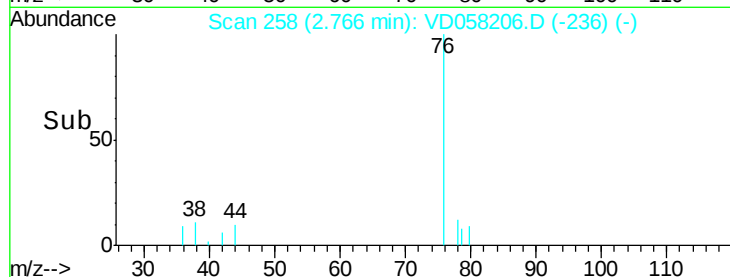
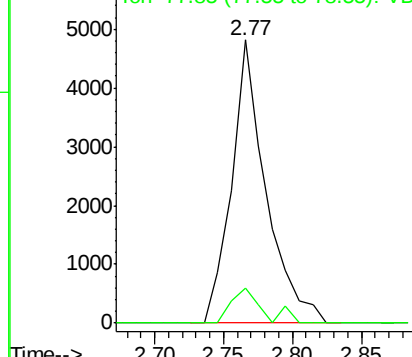
Ion Ratio Lower Upper

76 100

78 19.8 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: 79.280 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD058206.D

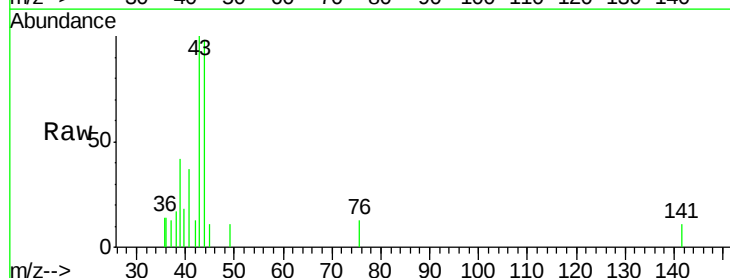
Acq: 20 Jun 2018 13:15

Tgt Ion: 43 Resp: 8742

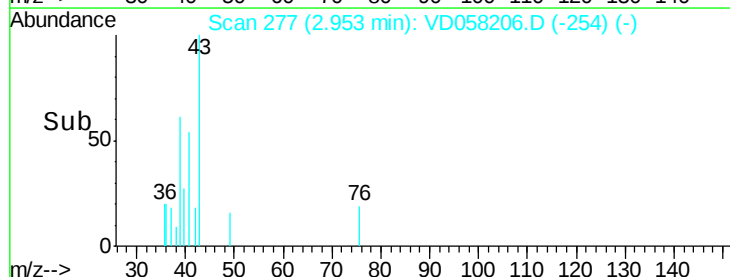
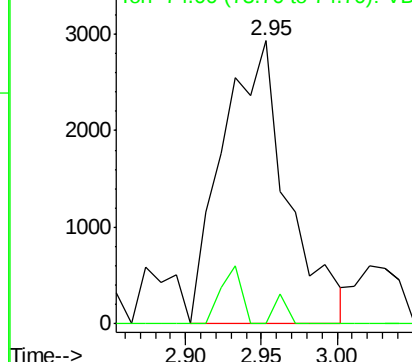
Ion Ratio Lower Upper

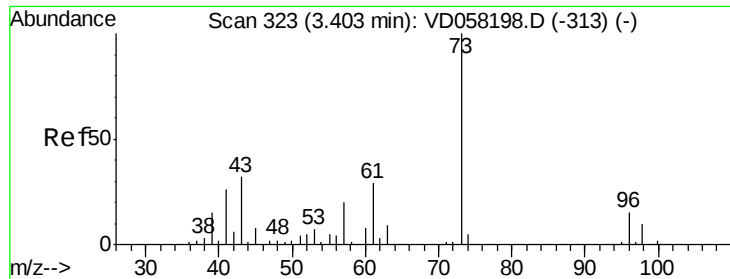
43 100

74 0.0 11.7 17.5#



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

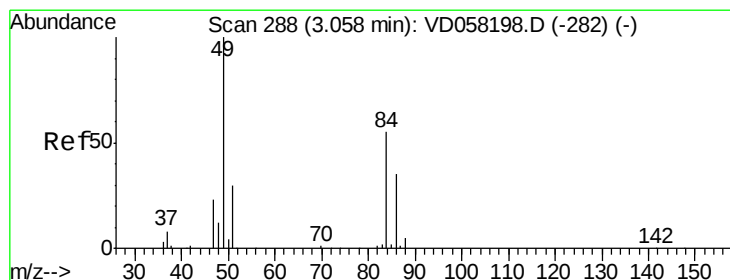
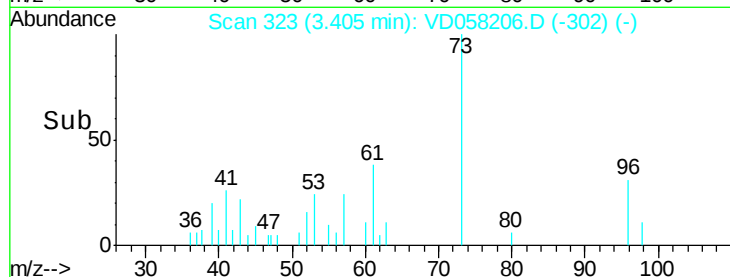
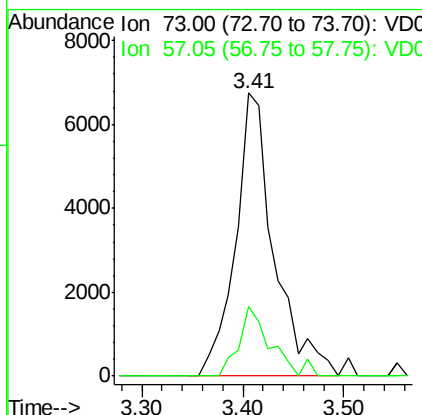
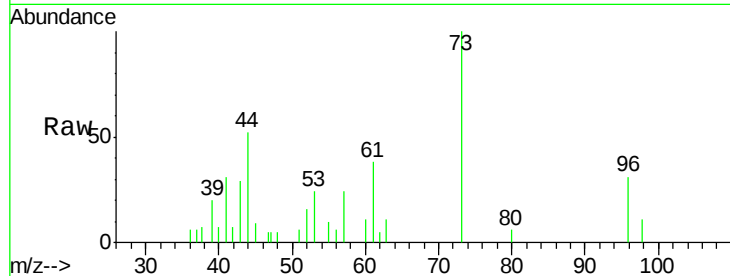




#19
Methvl tert-butvl Ether
Concen: 52.493 ug/l
RT: 3.41 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

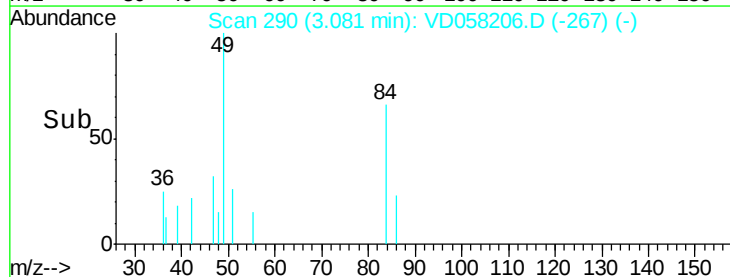
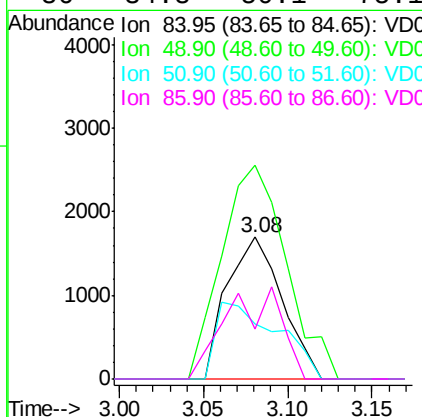
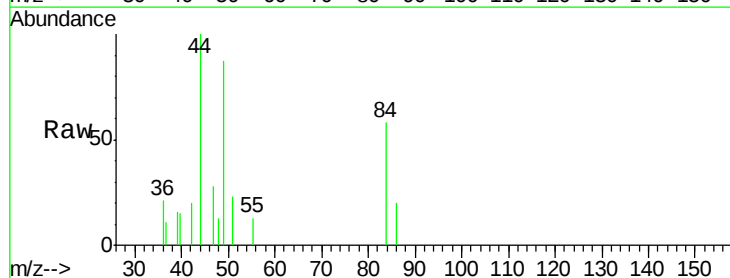
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

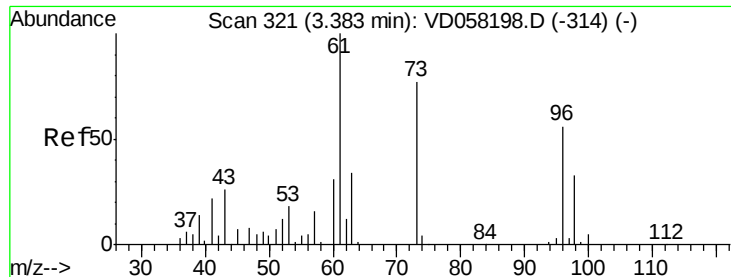
Tot Ion: 73 Resp: 17904
Ion Ratio Lower Upper
73 100
57 24.4 16.6 24.8



#20
Methylene Chloride
Concen: 26.162 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion: 84 Resp: 3838
Ion Ratio Lower Upper
84 100
49 150.6 145.0 217.6
51 39.0 42.9 64.3#
86 34.8 50.1 75.1#





#21

trans-1,2-Dichloroethene

Concen: 36.495 ug/l

RT: 3.41 min Scan# 323

Delta R.T. 0.02 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

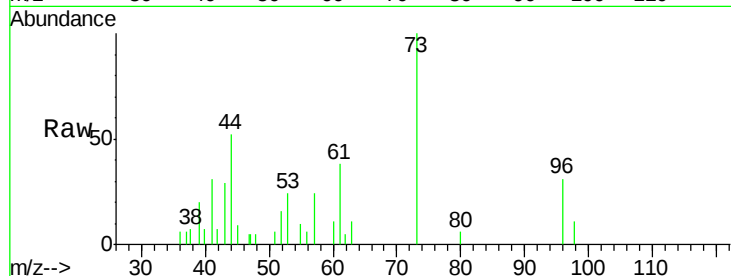
Tot Ion: 96 Resp: 5129

Ion Ratio Lower Upper

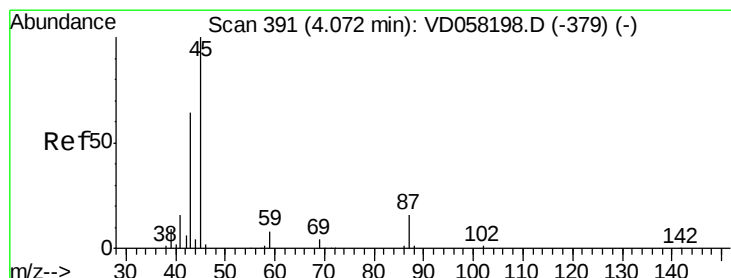
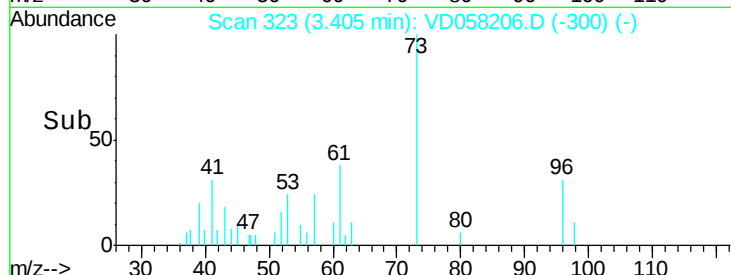
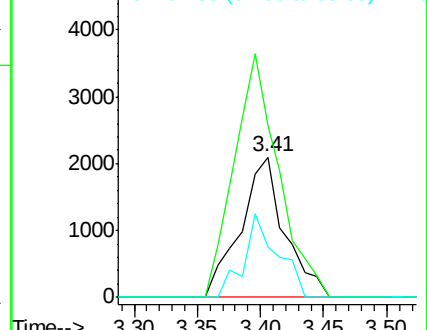
96 100

61 122.3 143.8 215.6#

98 36.4 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: 24.644 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Tgt Ion: 45 Resp: 29295

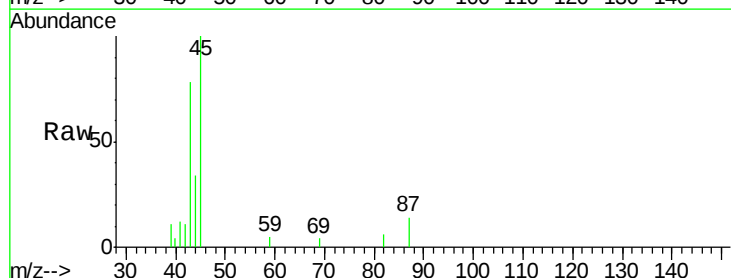
Ion Ratio Lower Upper

45 100

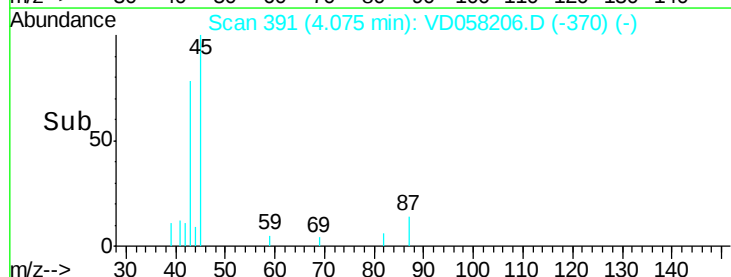
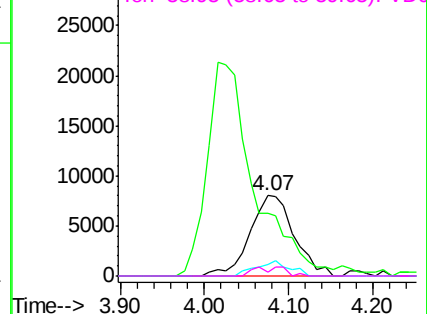
43 77.5 51.4 77.0#

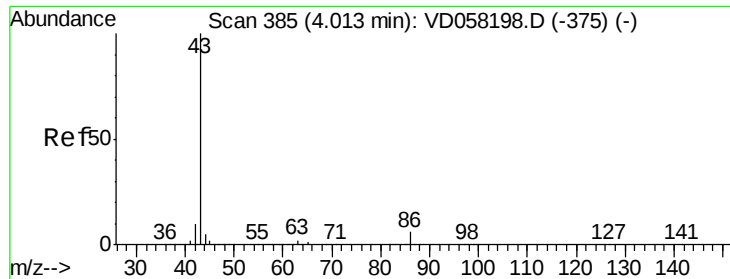
87 13.9 13.0 19.4

59 4.9 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

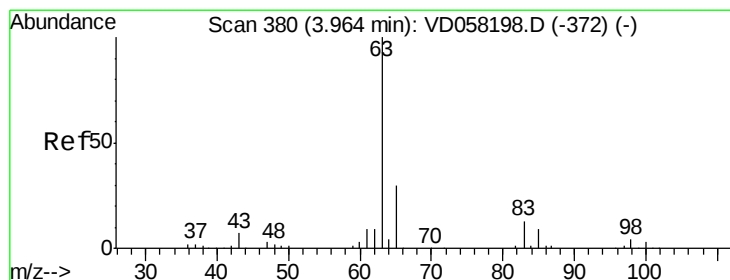
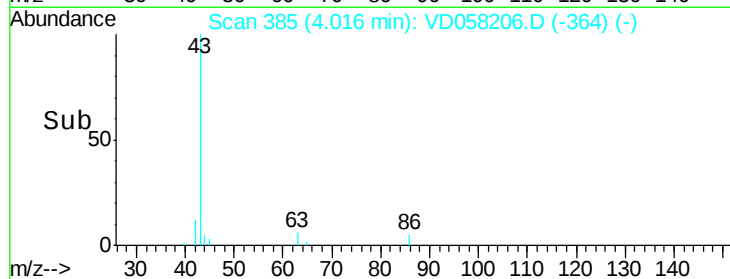
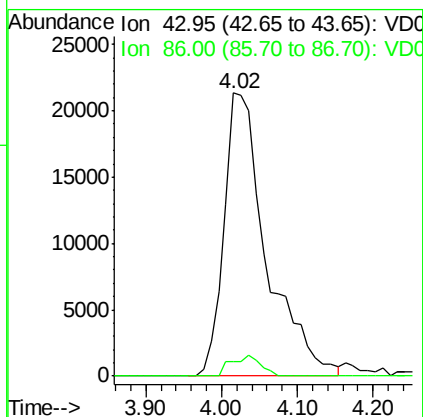
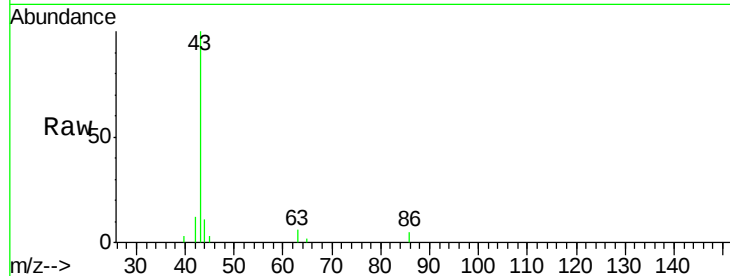




#23
 Vinyl Acetate
 Concen: 130.320 ug/l
 RT: 4.02 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

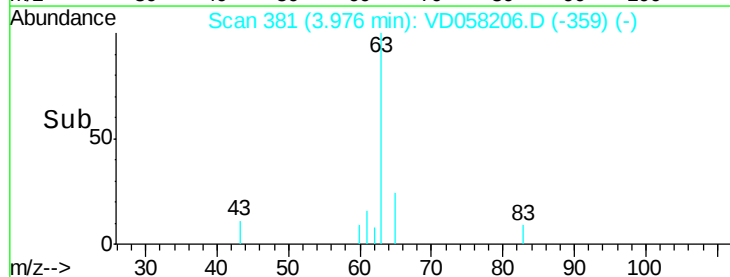
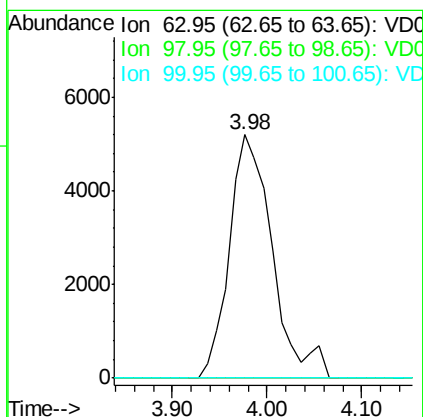
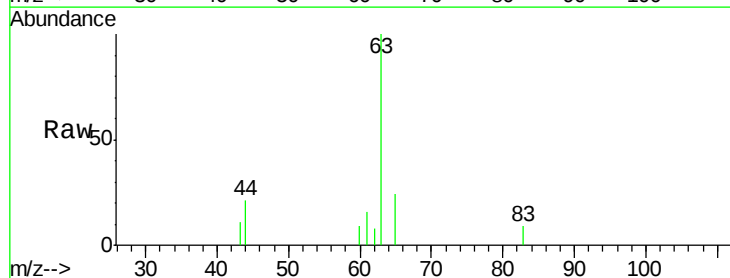
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

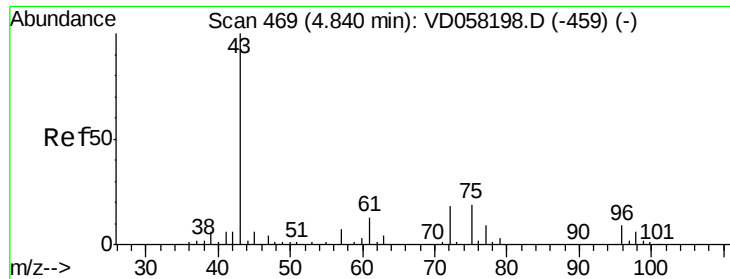
Tot Ion: 43 Resp: 83042
 Ion Ratio Lower Upper
 43 100
 86 5.0 5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 25.495 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

Tgt Ion: 63 Resp: 16327
 Ion Ratio Lower Upper
 63 100
 98 0.0 1.9 5.7#
 100 0.0 1.3 3.9#





#25

2-Butanone

Concen: 434.358 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

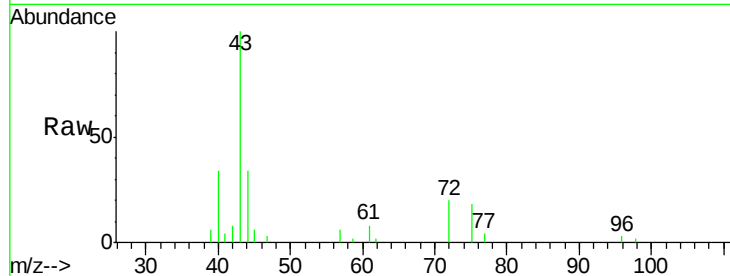
VD0620SBS01

Tot Ion: 43 Resp: 48948

Ion Ratio Lower Upper

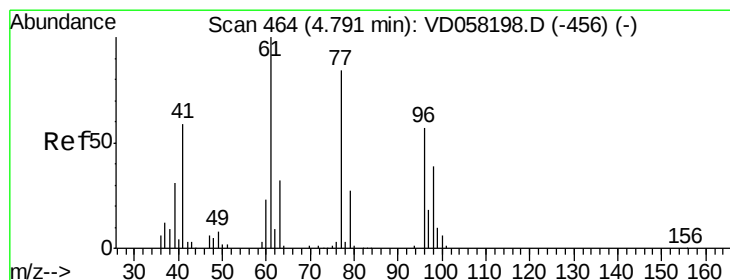
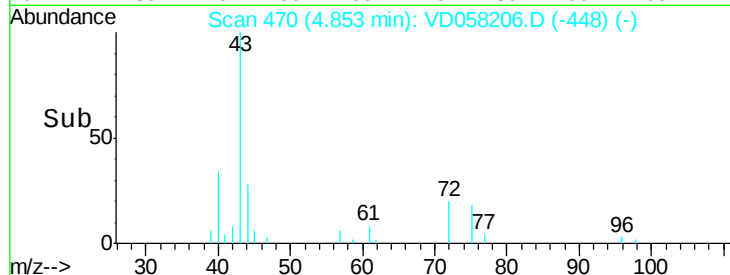
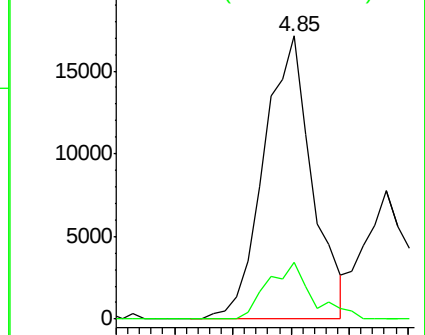
43 100

72 20.1 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.559 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058206.D

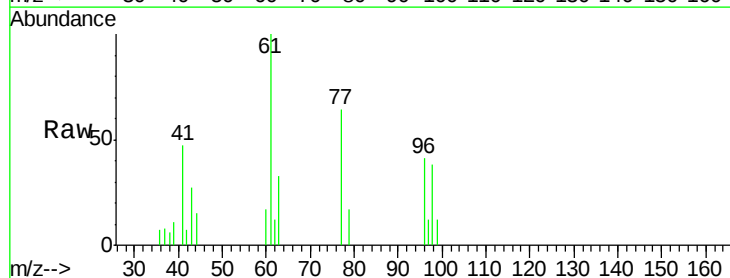
Acq: 20 Jun 2018 13:15

Tgt Ion: 77 Resp: 9952

Ion Ratio Lower Upper

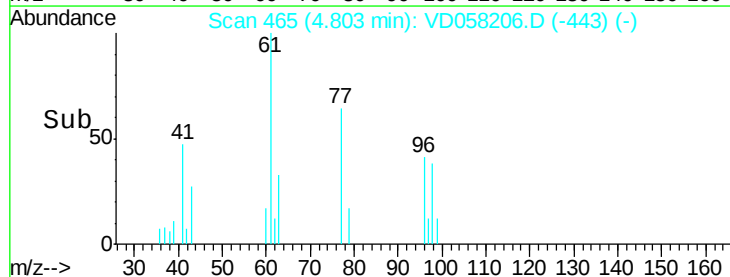
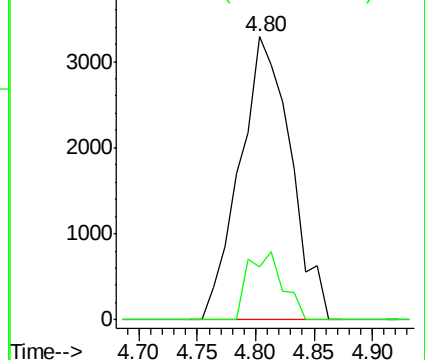
77 100

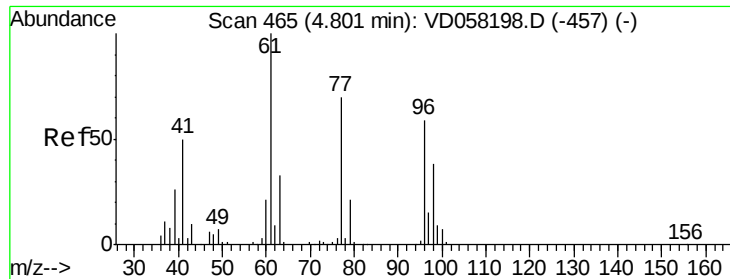
97 18.5 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



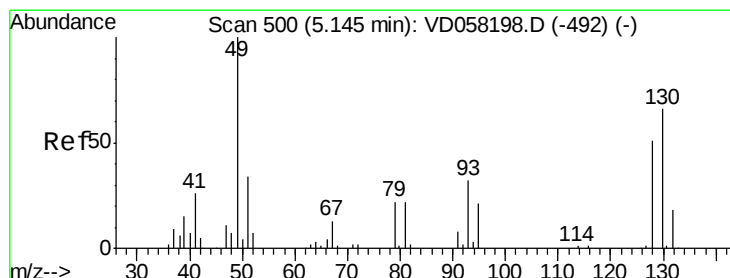
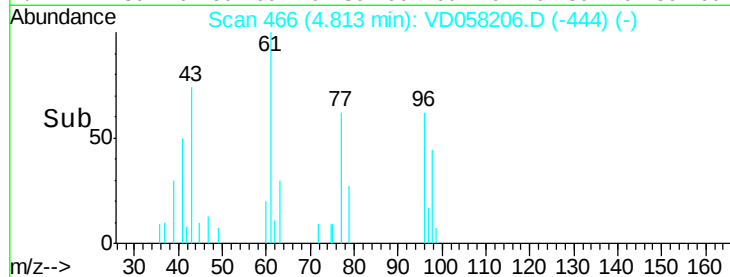
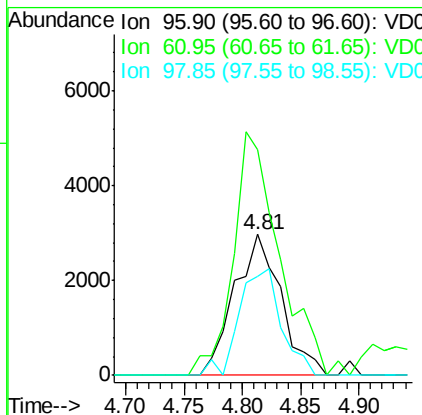
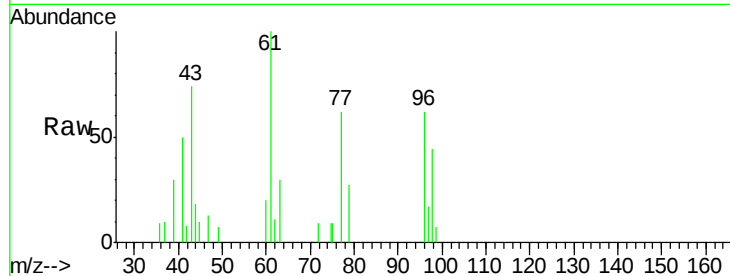


#27

cis-1,2-Dichloroethene
Concen: 23.528 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

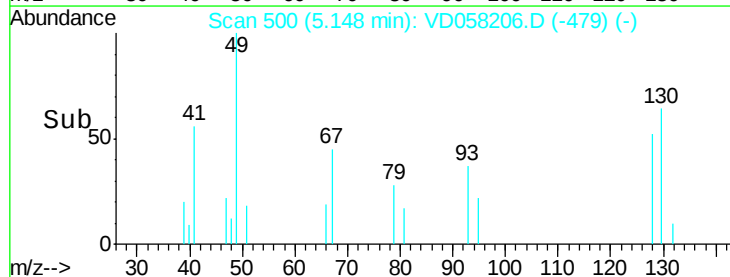
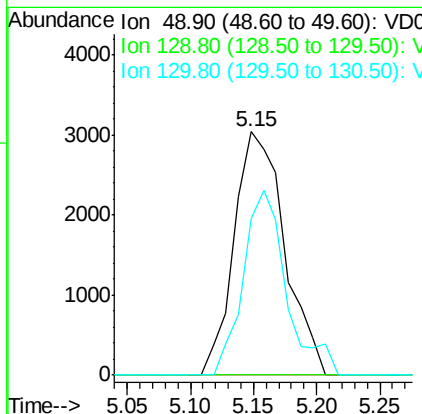
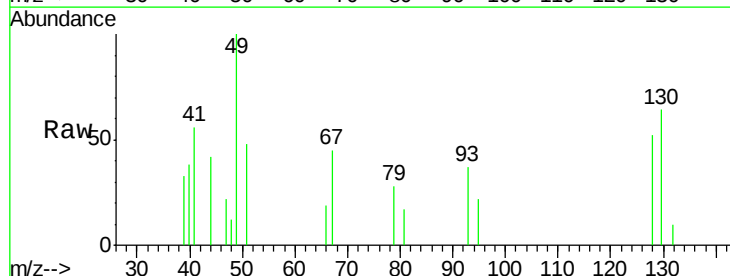
Tot Ion: 96 Resp: 8263
Ion Ratio Lower Upper
96 100
61 160.5 0.0 338.6
98 70.2 0.0 130.2



#28

Bromochloromethane
Concen: 29.323 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion: 49 Resp: 8418
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 64.3 52.6 79.0

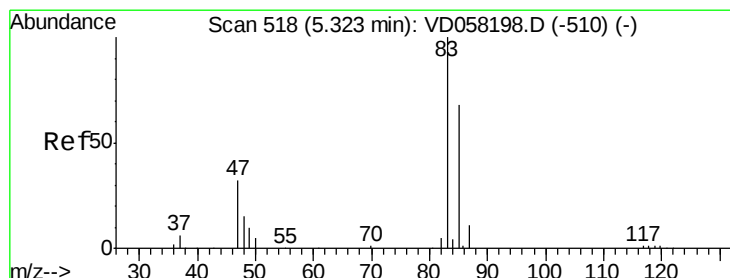
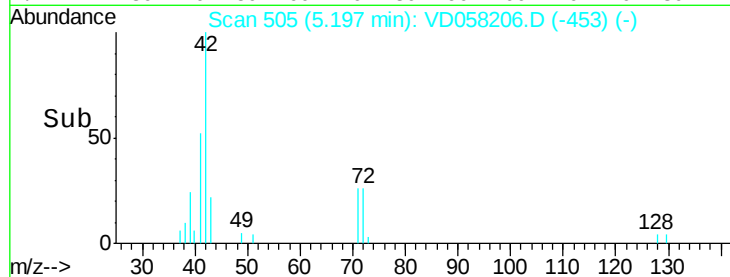
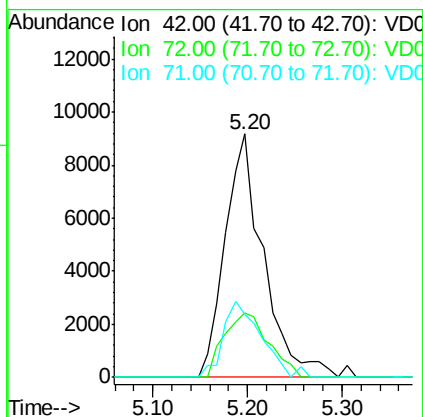
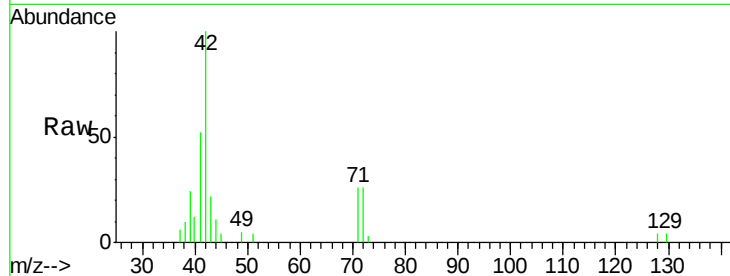




#29
Tetrahydrofuran
Concen: 428.708 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

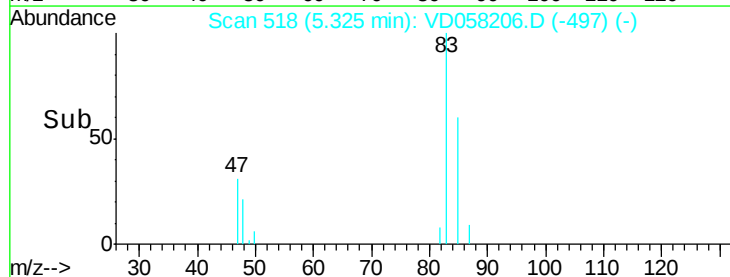
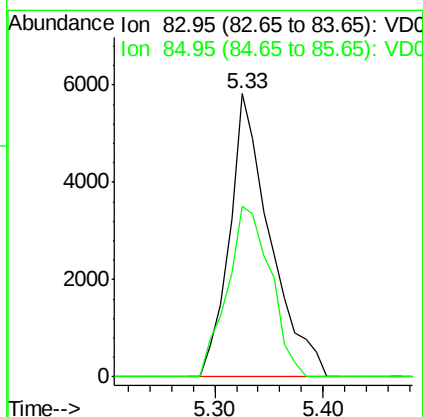
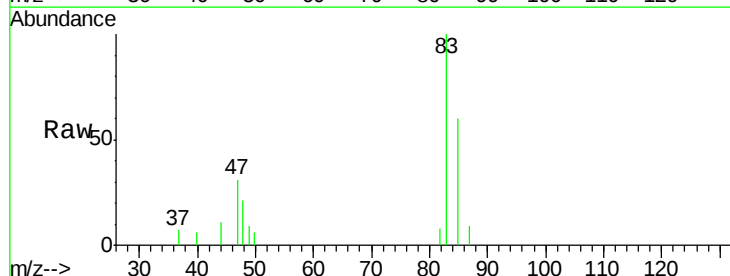
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

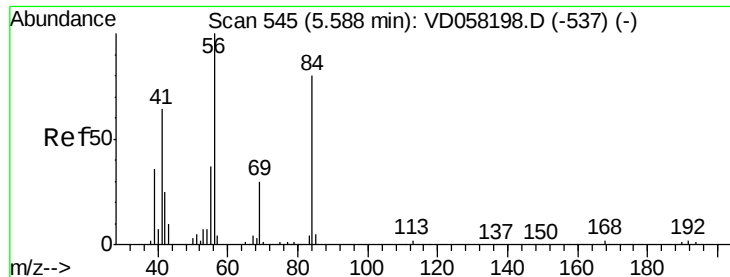
Tot Ion: 42 Resp: 25715
Ion Ratio Lower Upper
42 100
72 30.8 30.2 45.2
71 31.1 30.1 45.1



#30
Chloroform
Concen: 22.539 ug/l
RT: 5.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion: 83 Resp: 15238
Ion Ratio Lower Upper
83 100
85 60.2 54.8 82.2





#31

Cyclohexane

Concen: 17.818 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

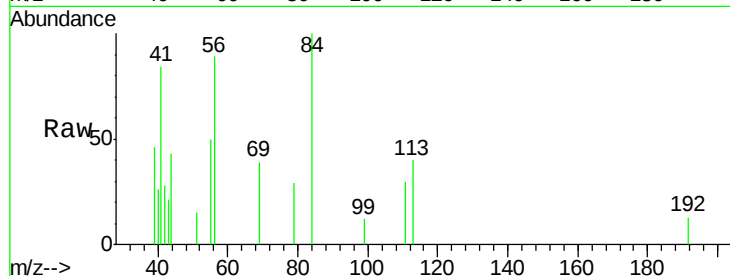
Tot Ion: 56 Resp: 9849

Ion Ratio Lower Upper

56 100

69 43.4 23.6 35.4#

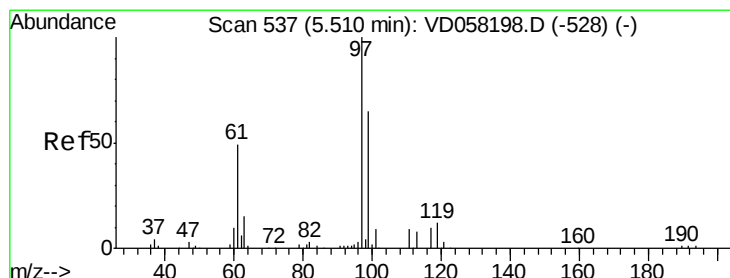
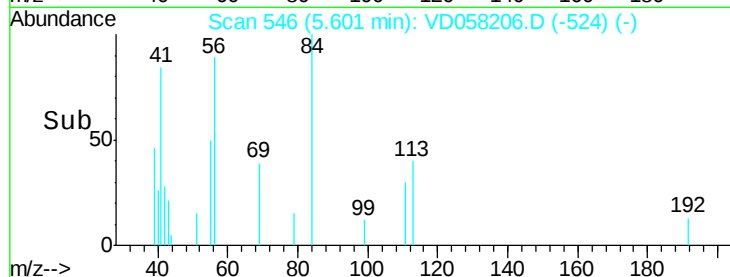
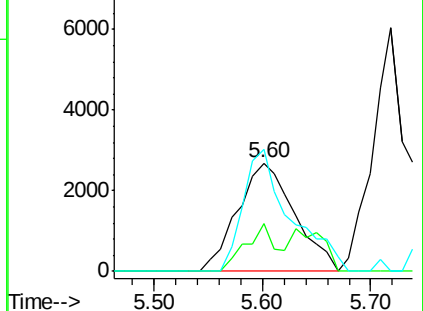
84 112.4 65.2 97.8#



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: 17.639 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

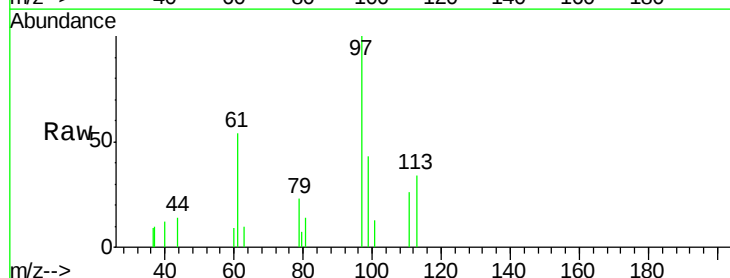
Tgt Ion: 97 Resp: 9853

Ion Ratio Lower Upper

97 100

99 42.9 52.2 78.4#

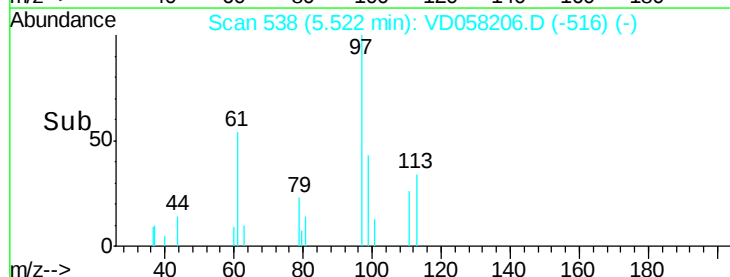
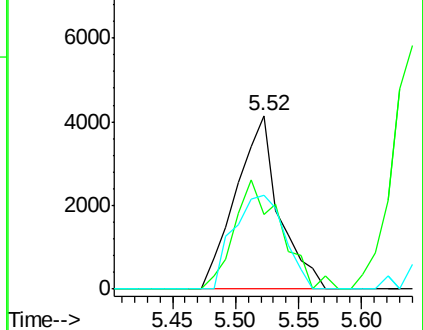
61 53.9 39.0 58.4



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: 17.639 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

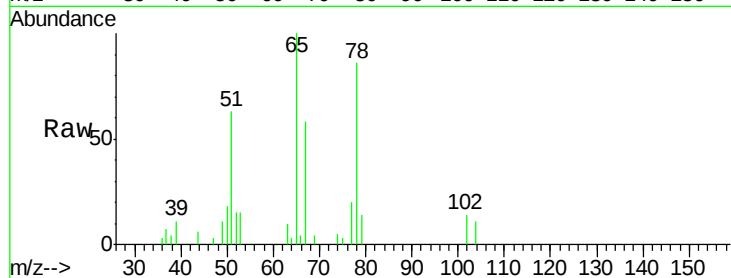
VD0620SBS01

Tot Ion: 65 Resp: 28023

Ion Ratio Lower Upper

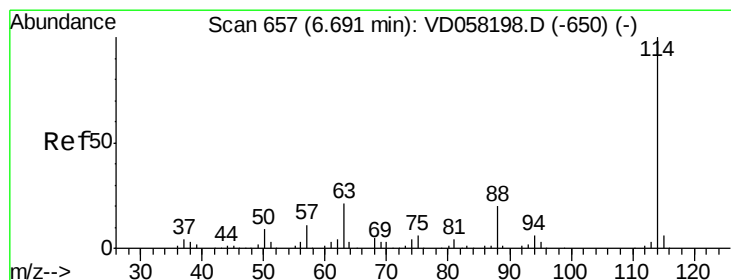
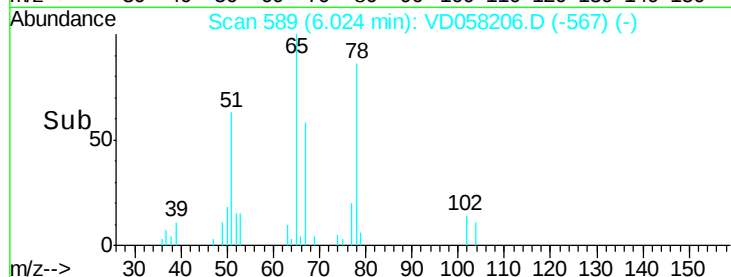
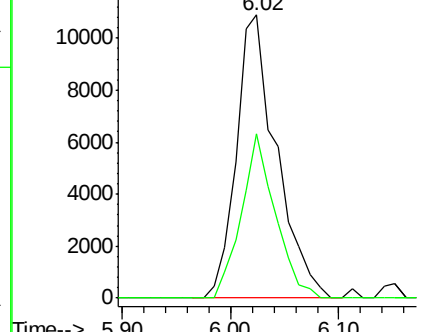
65 100

67 57.9 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

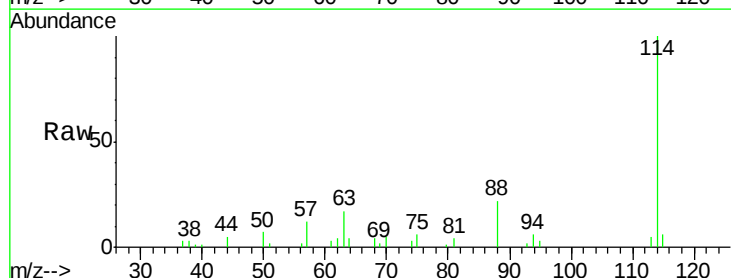
Tgt Ion: 114 Resp: 53574

Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.6

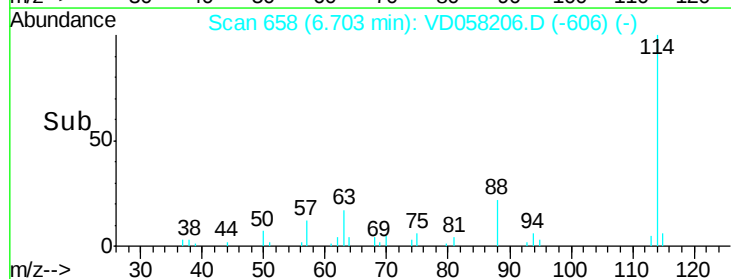
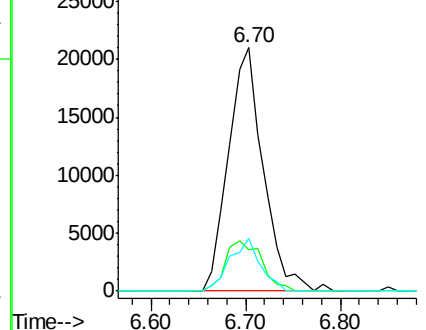
88 21.5 0.0 40.6

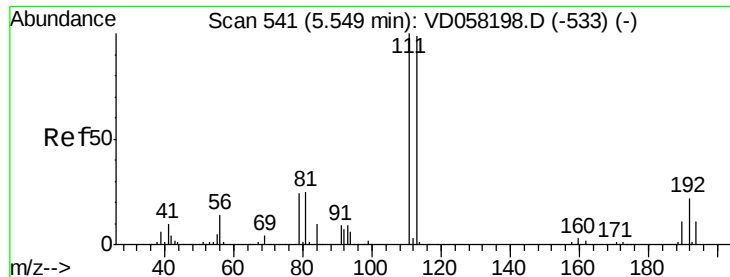


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

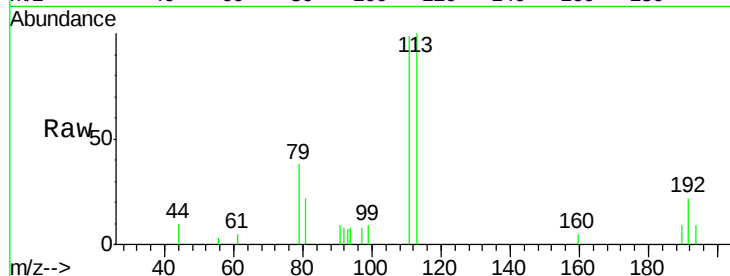
Tot Ion:113 Resp: 25550

Ion Ratio Lower Upper

113 100

111 99.3 80.6 121.0

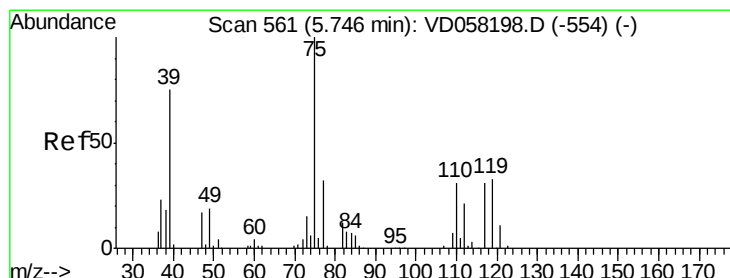
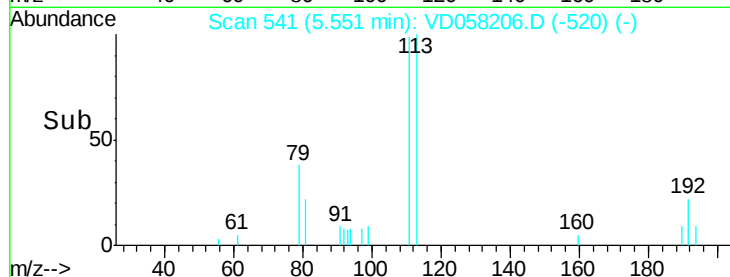
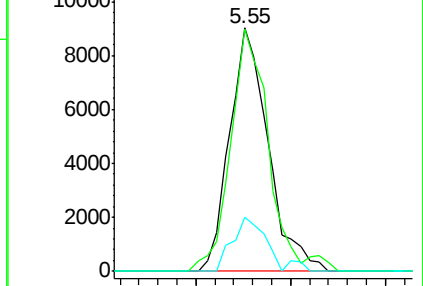
192 22.5 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.457 ug/l

RT: 5.76 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

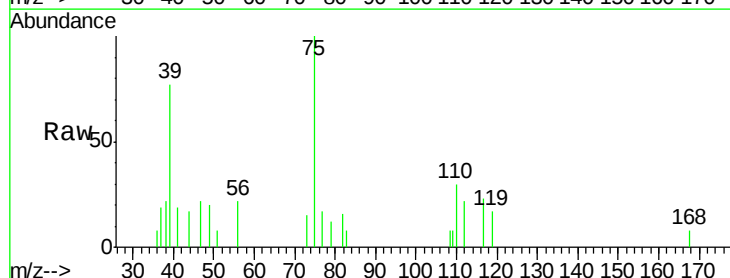
Tgt Ion: 75 Resp: 10312

Ion Ratio Lower Upper

75 100

110 30.4 15.4 46.4

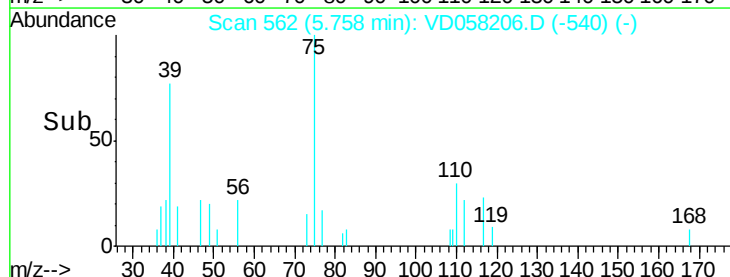
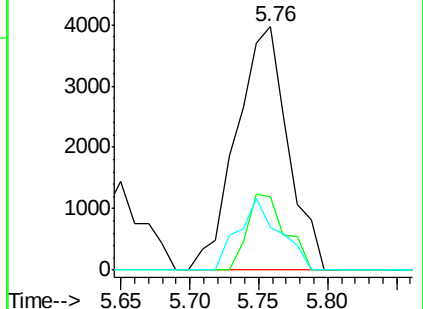
77 17.4 25.4 38.2#

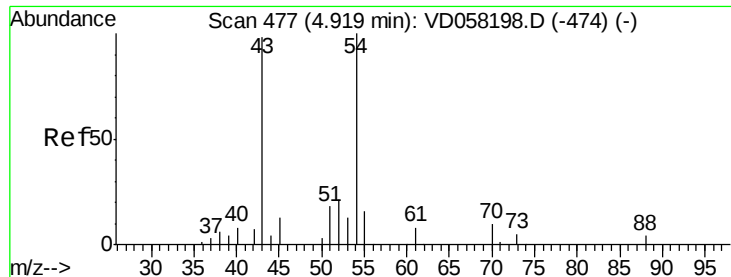


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

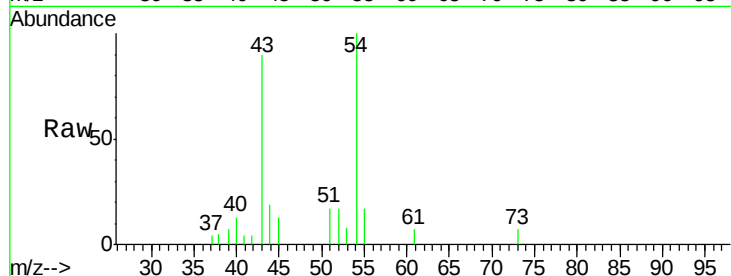




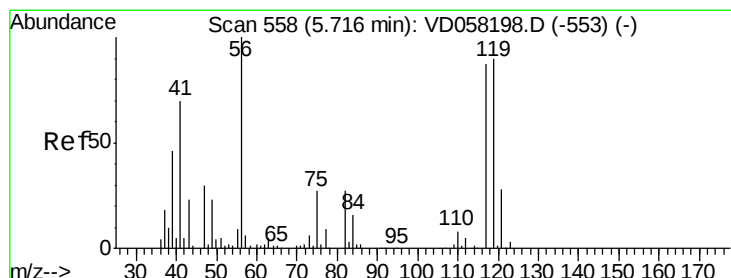
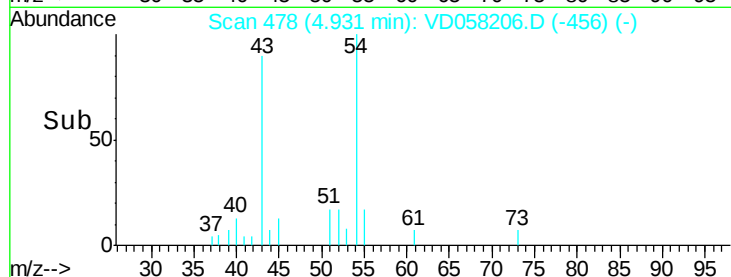
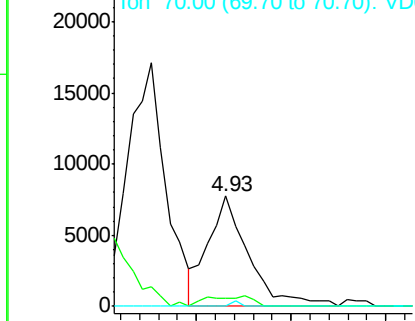
#37
Ethyl Acetate
Concen: 76.058 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion: 43 Resp: 22967
Ion Ratio Lower Upper
43 100
61 7.7 10.3 15.5#
70 0.0 5.7 8.5#

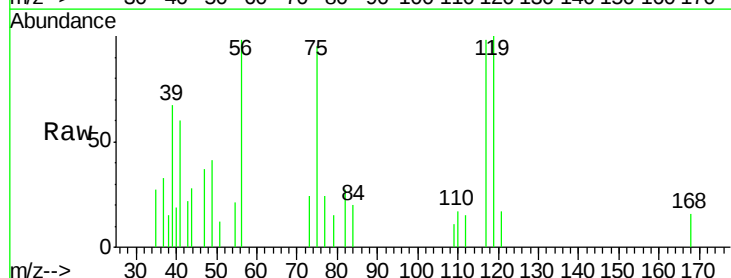


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

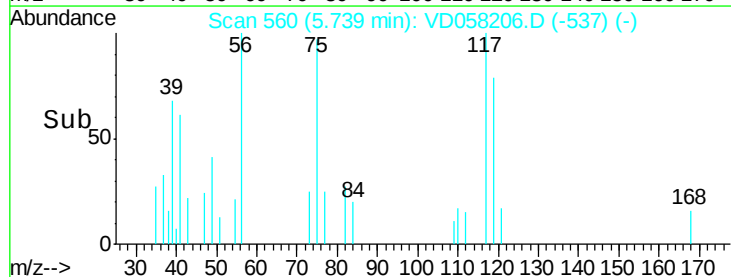
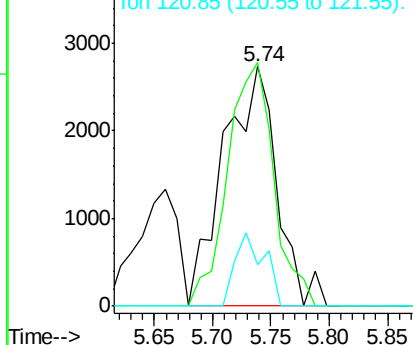


#38
Carbon Tetrachloride
Concen: 16.400 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.02 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion: 117 Resp: 8636
Ion Ratio Lower Upper
117 100
119 101.7 78.8 118.2
121 17.1 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: 16.472 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

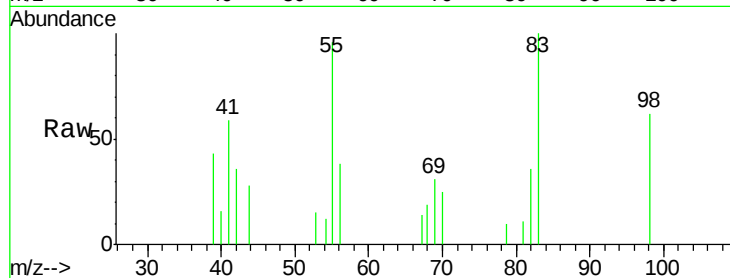
Tot Ion: 83 Resp: 8503

Ion Ratio Lower Upper

83 100

55 96.0 77.4 116.2

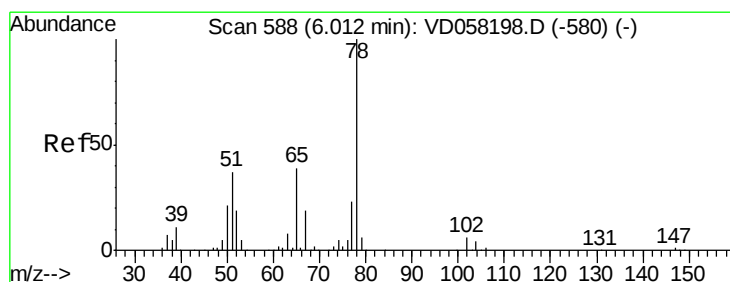
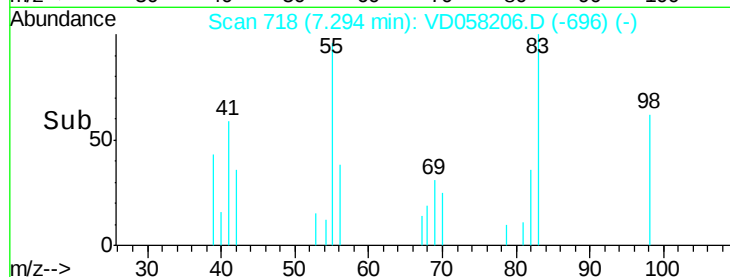
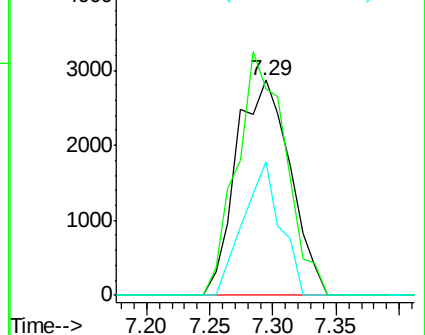
98 61.9 35.9 53.9#



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.133 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058206.D

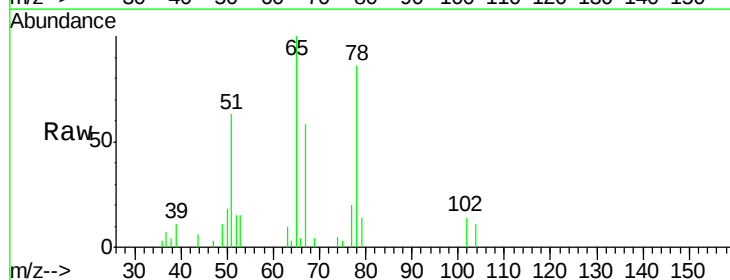
Acq: 20 Jun 2018 13:15

Tgt Ion: 78 Resp: 25418

Ion Ratio Lower Upper

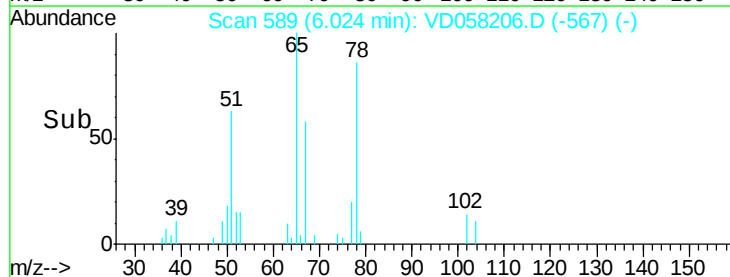
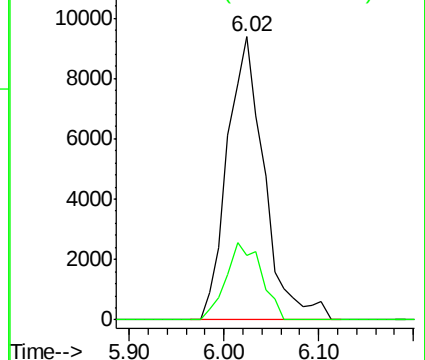
78 100

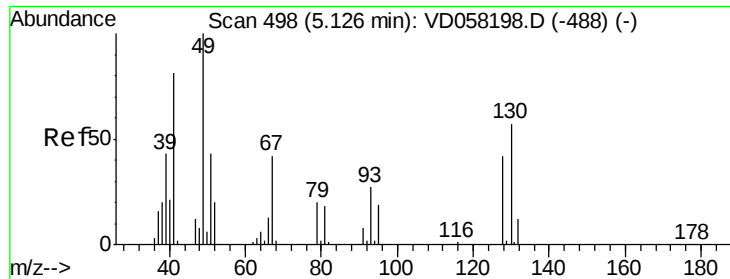
77 22.7 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 44.721 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

Tot Ion: 41 Resp: 6521

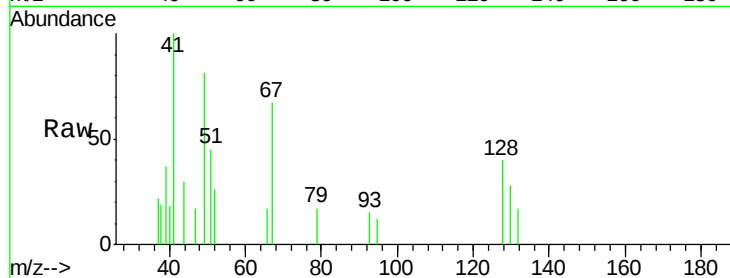
Ion Ratio Lower Upper

41 100

39 37.1 43.4 65.2#

67 66.7 41.7 62.5#

52 26.1 20.6 30.8

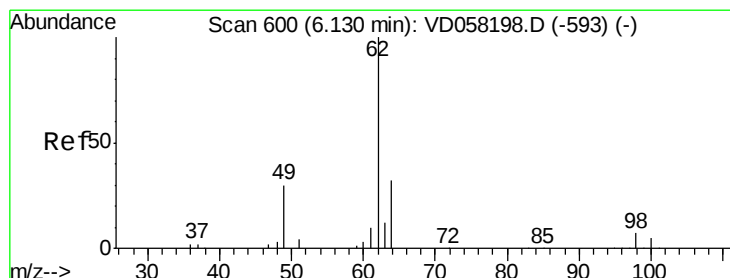
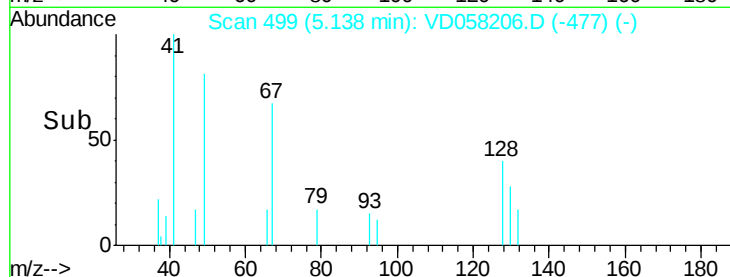
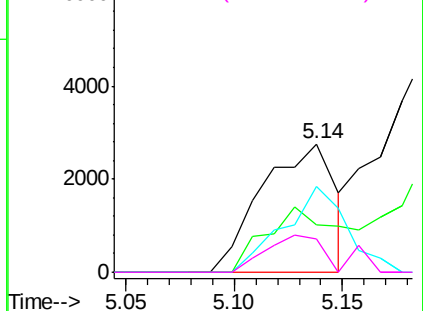


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 26.298 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD058206.D

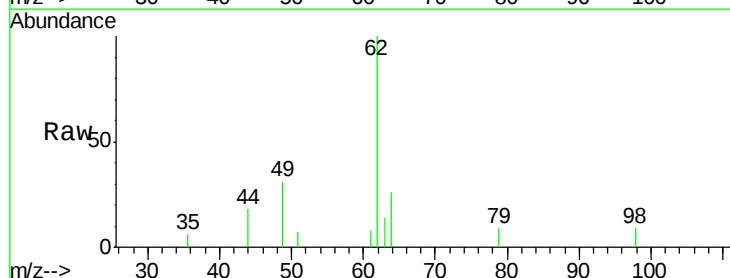
Acq: 20 Jun 2018 13:15

Tgt Ion: 62 Resp: 13387

Ion Ratio Lower Upper

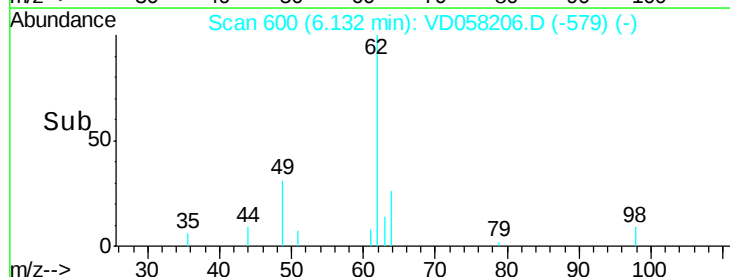
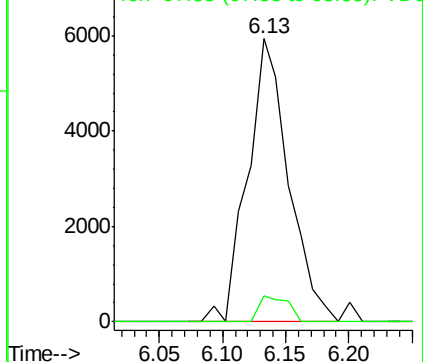
62 100

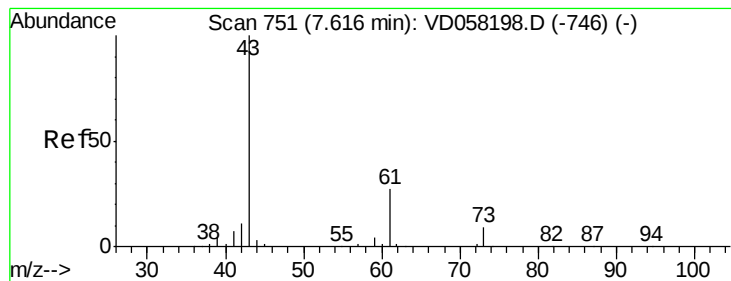
98 9.3 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 61.555 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

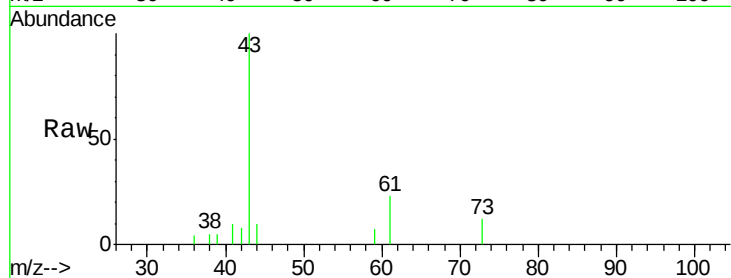
Tot Ion: 43 Resp: 24781

Ion Ratio Lower Upper

43 100

61 22.8 21.8 32.6

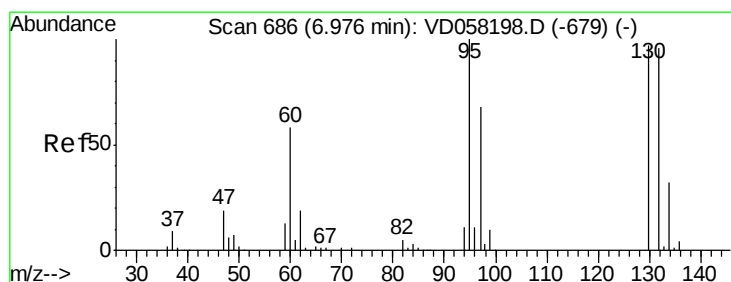
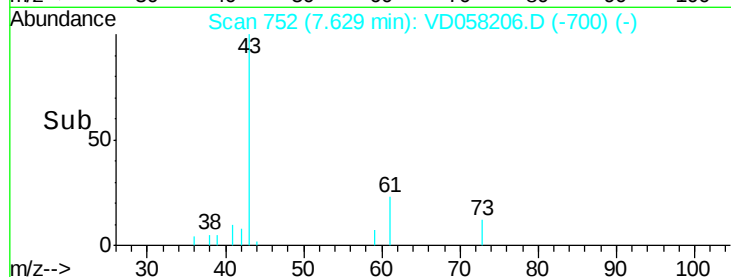
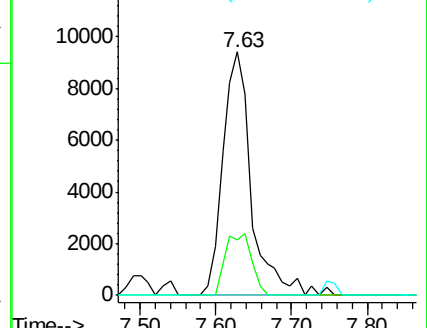
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.502 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058206.D

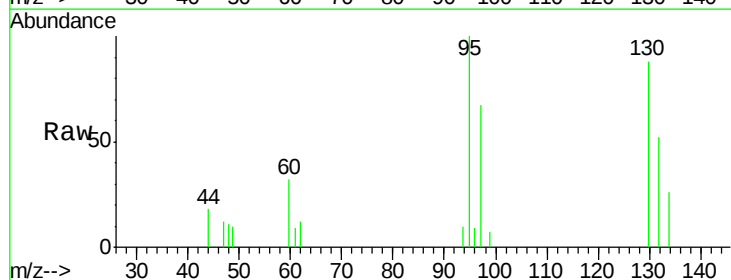
Acq: 20 Jun 2018 13:15

Tgt Ion:130 Resp: 7393

Ion Ratio Lower Upper

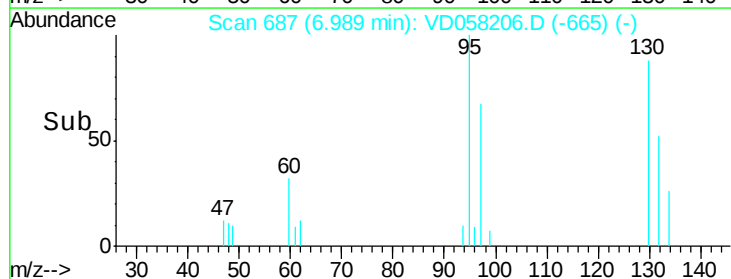
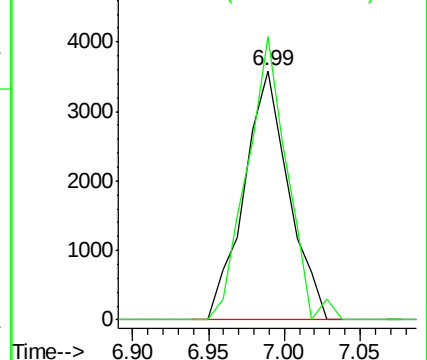
130 100

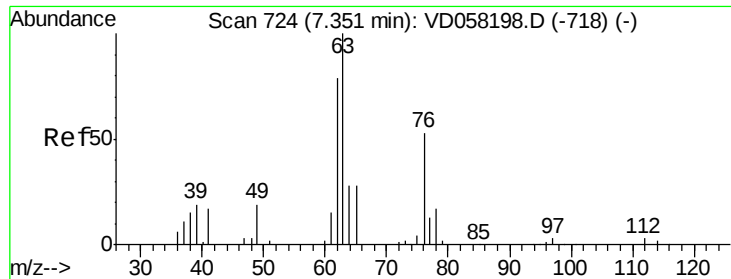
95 113.6 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.335 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

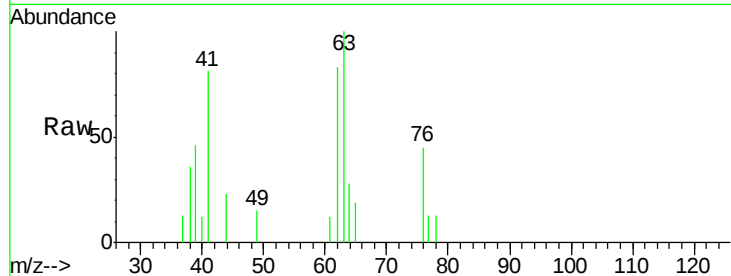
VD0620SBS01

Tot Ion: 63 Resp: 7934

Ion Ratio Lower Upper

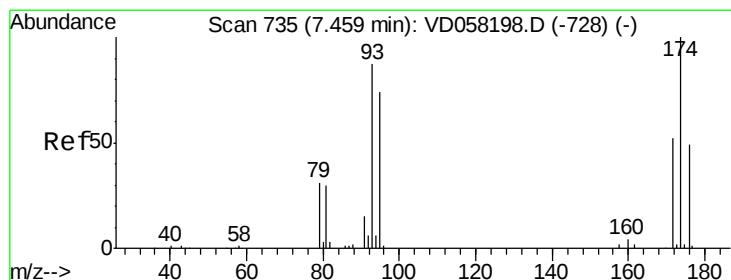
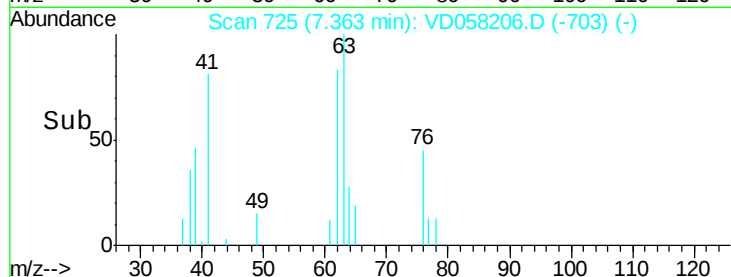
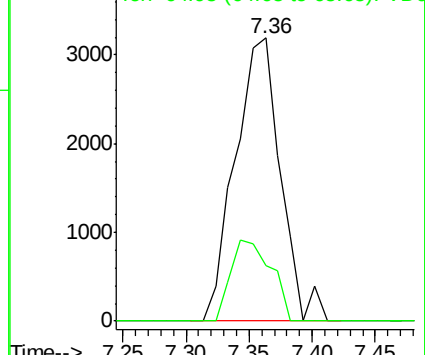
63 100

65 19.5 24.0 36.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 28.974 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

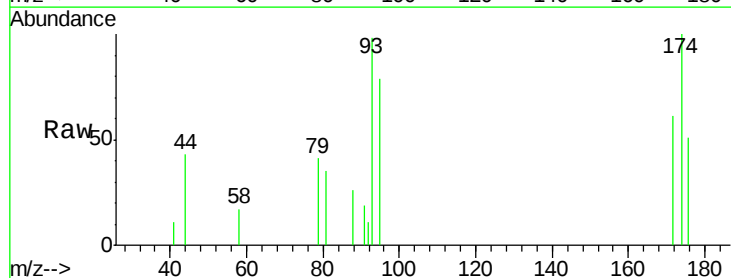
Tgt Ion: 93 Resp: 6725

Ion Ratio Lower Upper

93 100

95 79.9 67.8 101.6

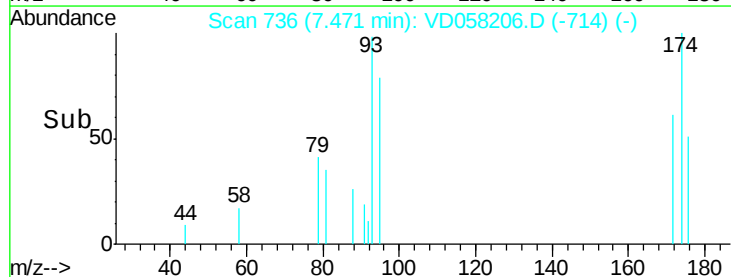
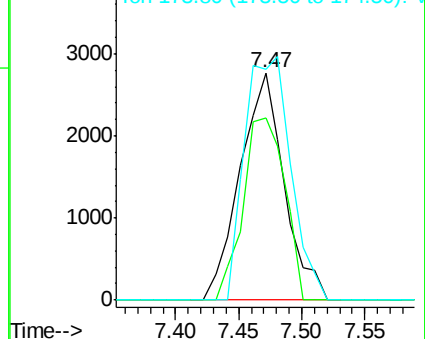
174 101.6 92.2 138.2

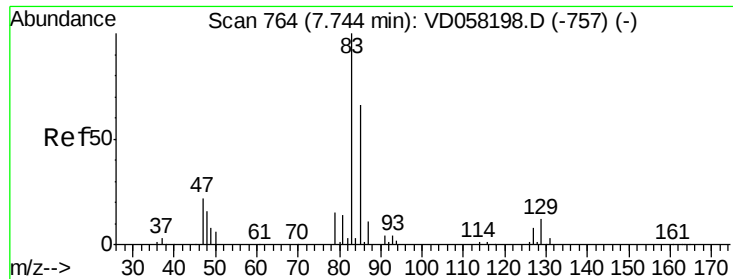


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.664 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

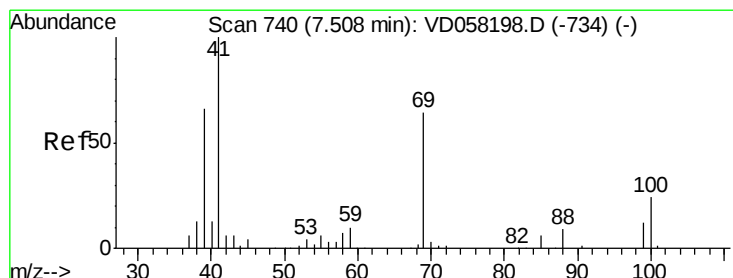
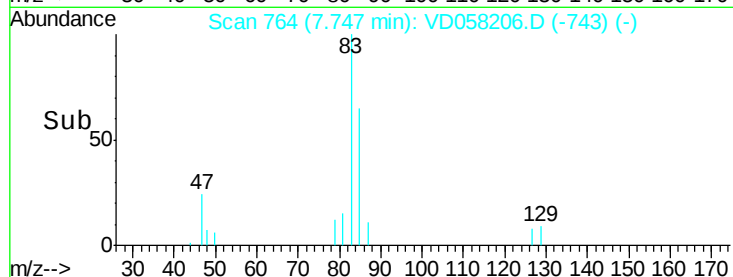
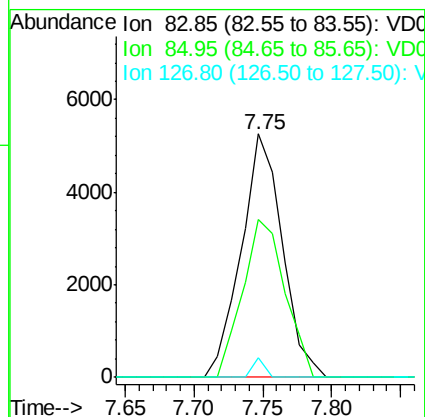
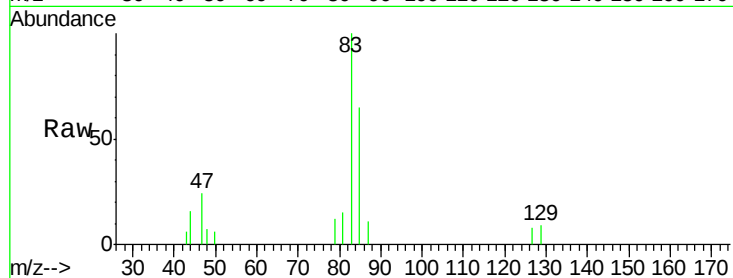
Tot Ion: 83 Resp: 10937

Ion Ratio Lower Upper

83 100

85 65.0 52.6 78.8

127 8.1 6.2 9.4



#48

Methyl methacrylate

Concen: 46.514 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

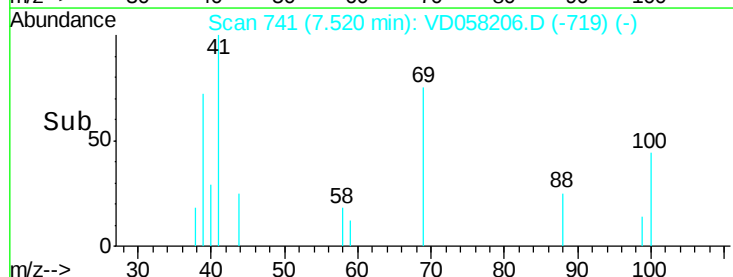
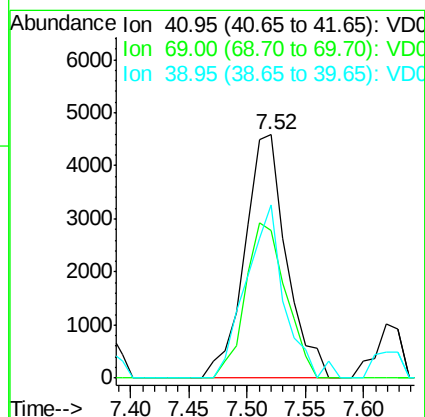
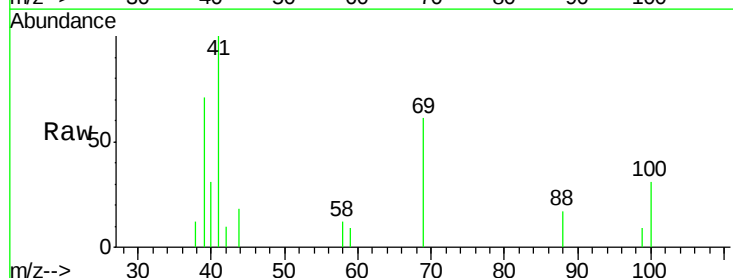
Tgt Ion: 41 Resp: 11381

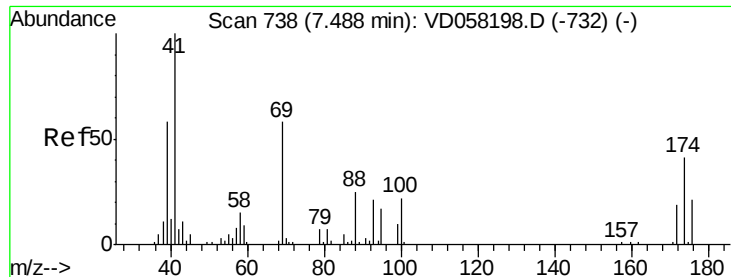
Ion Ratio Lower Upper

41 100

69 60.8 50.7 76.1

39 71.3 52.6 78.8





#49

1,4-Dioxane

Concen: 1786.605 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

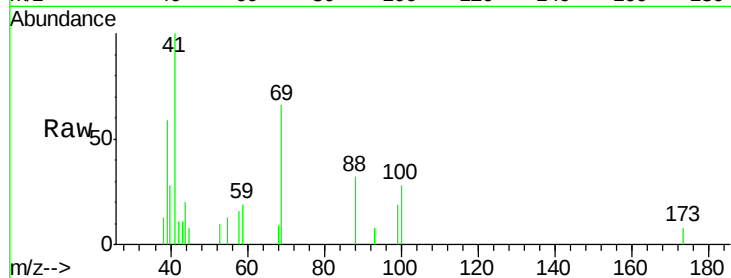
MSVOA_D

ClientSampleId :

VD0620SBS01

Tot Ion: 88 Resp: 3946

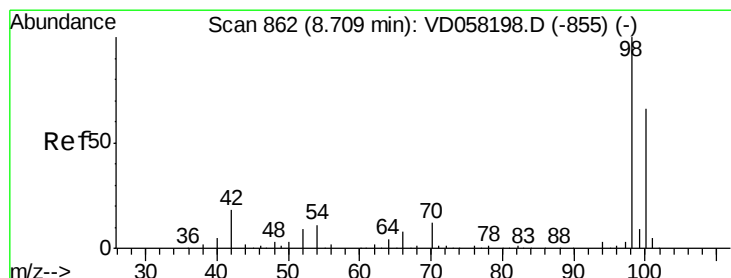
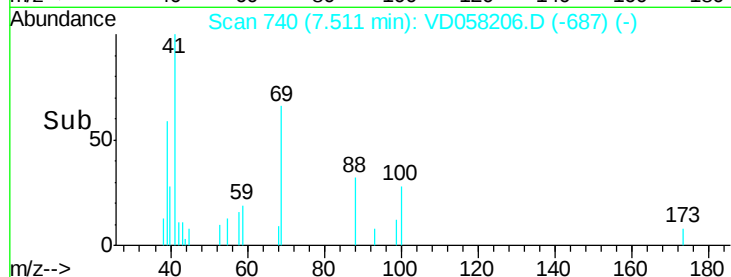
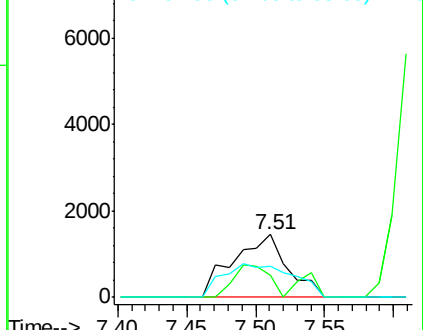
Ion	Ratio	Lower	Upper
88	100		
43	35.0	34.2	51.2
58	48.6	47.9	71.9



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1786.605 ug/l

RT: 8.71 min Scan# 862

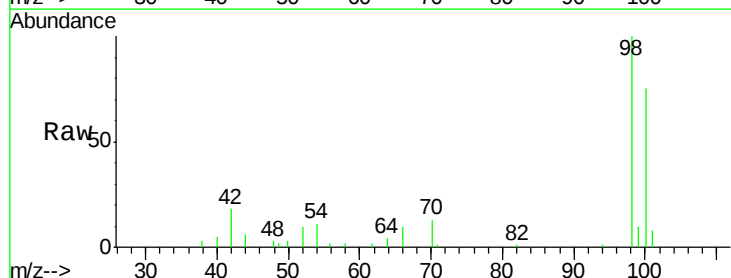
Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

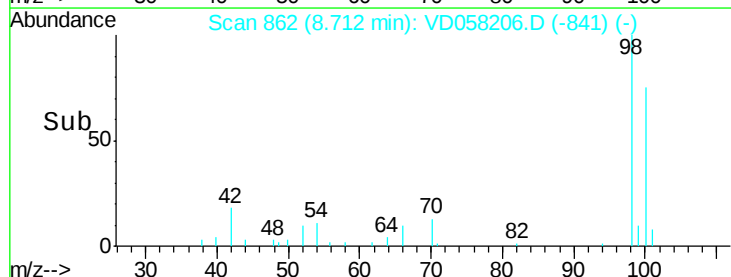
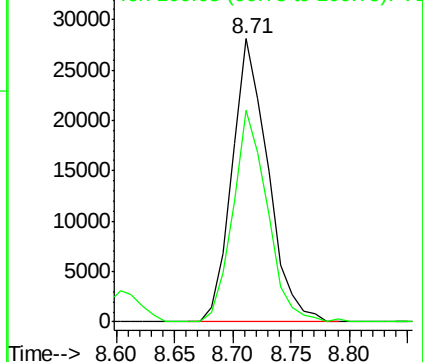
Tgt Ion: 98 Resp: 59874

Ion	Ratio	Lower	Upper
98	100		
100	74.8	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: 301.310 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

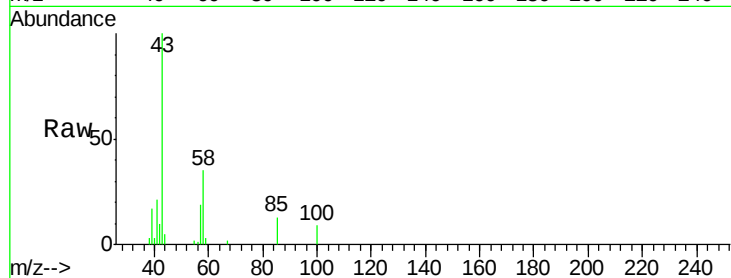
VD0620SBS01

Tot Ion: 43 Resp: 79122

Ion Ratio Lower Upper

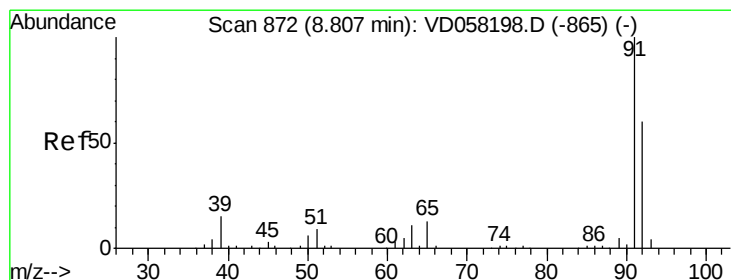
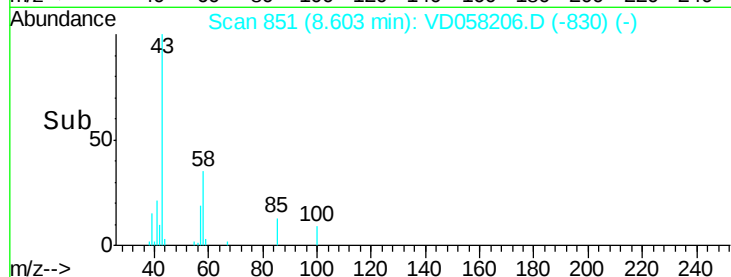
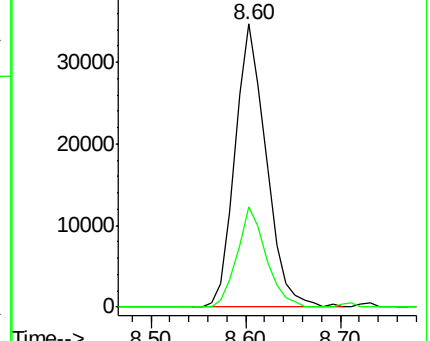
43 100

58 35.3 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: 23.643 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058206.D

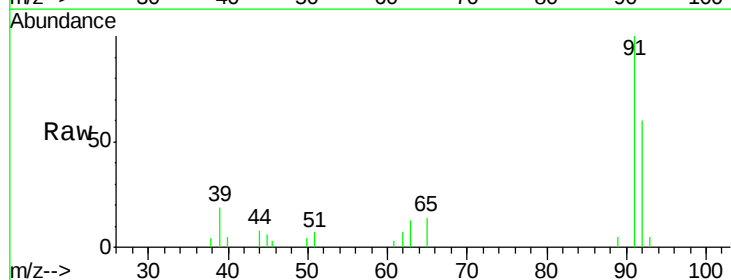
Acq: 20 Jun 2018 13:15

Tgt Ion: 92 Resp: 16996

Ion Ratio Lower Upper

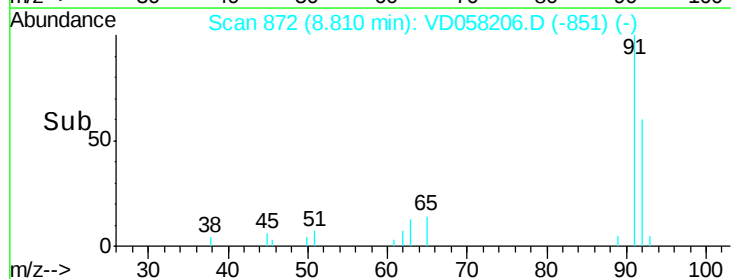
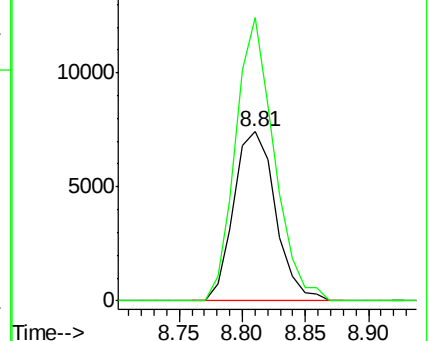
92 100

91 167.2 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

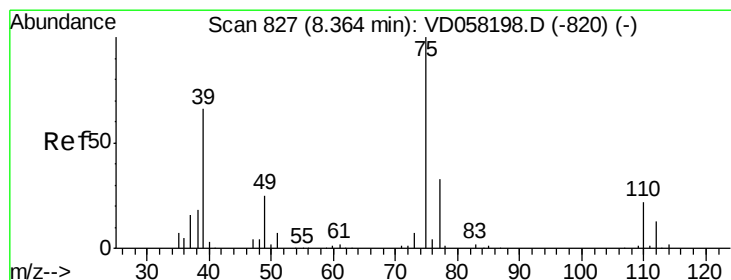
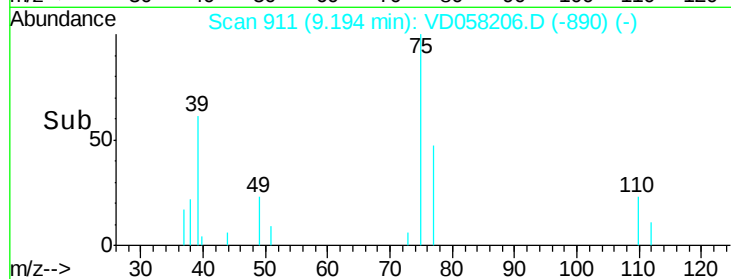
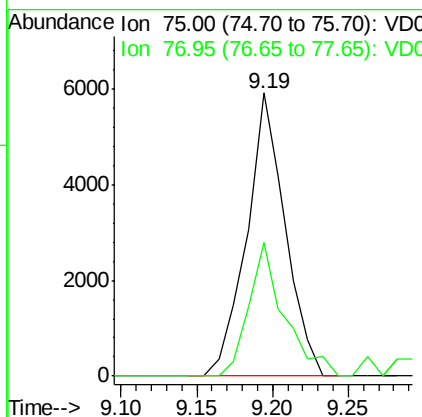
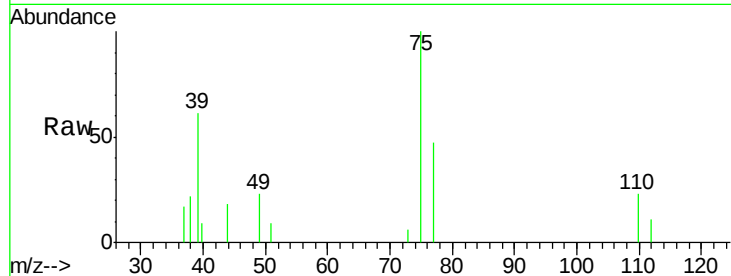




#53
 t-1,3-Dichloropropene
 Concen: 22.754 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

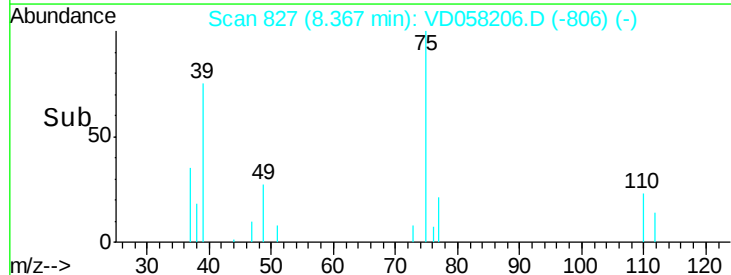
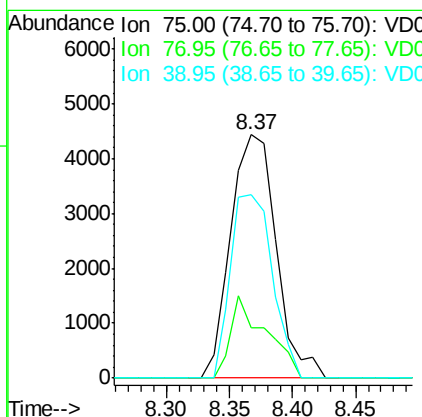
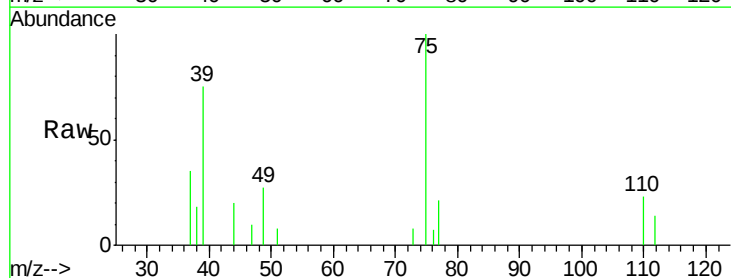
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

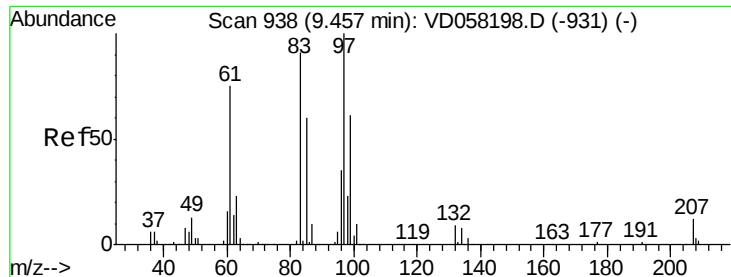
Tot Ion: 75 Resp: 10471
 Ion Ratio Lower Upper
 75 100
 77 47.2 25.8 38.8#



#54
 cis-1,3-Dichloropropene
 Concen: 20.651 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

Tgt Ion: 75 Resp: 11141
 Ion Ratio Lower Upper
 75 100
 77 20.8 26.5 39.7#
 39 75.5 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 32.516 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

Tot Ion: 97 Resp: 8270

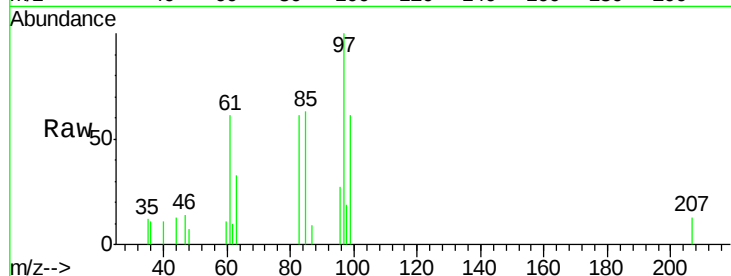
Ion Ratio Lower Upper

97 100

83 61.2 72.9 109.3#

85 63.2 48.2 72.4

99 61.2 48.9 73.3

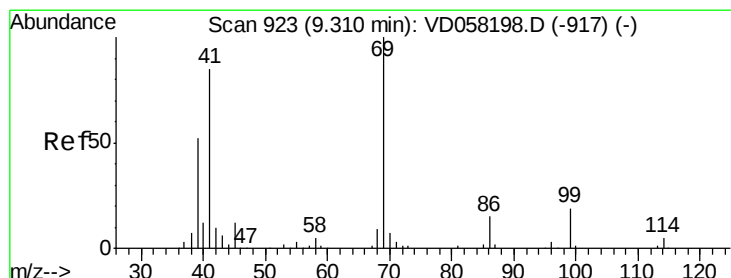
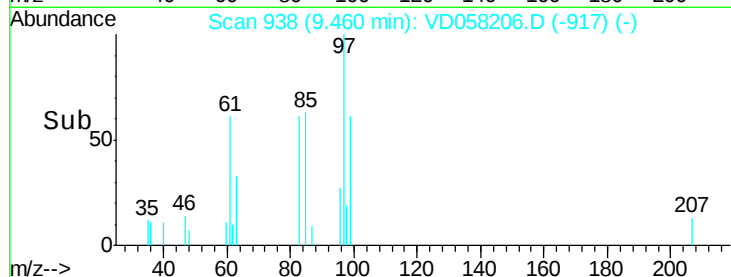
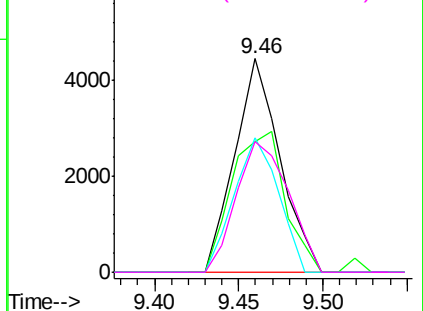


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 31.446 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

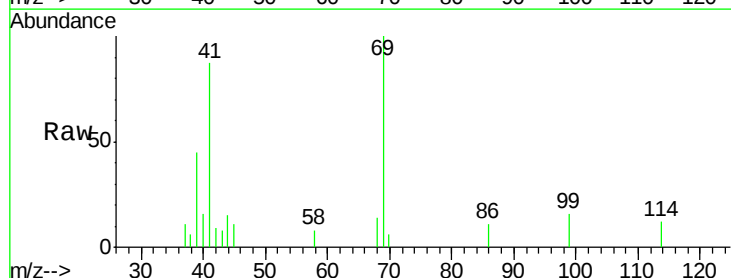
Tgt Ion: 69 Resp: 9565

Ion Ratio Lower Upper

69 100

41 87.0 67.6 101.4

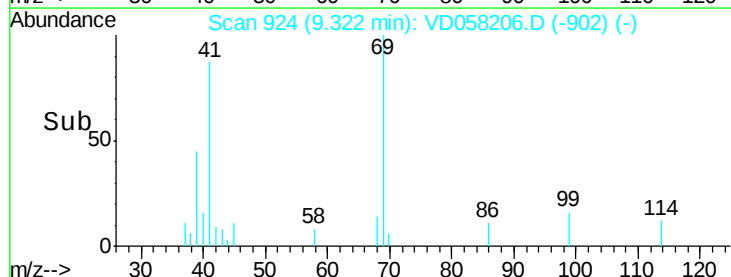
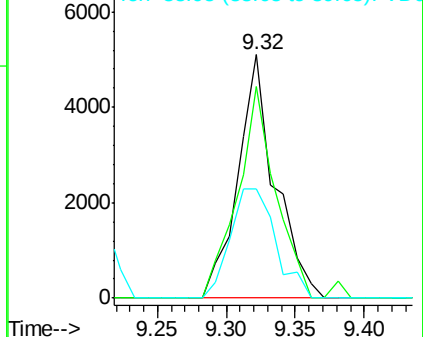
39 45.1 42.2 63.2

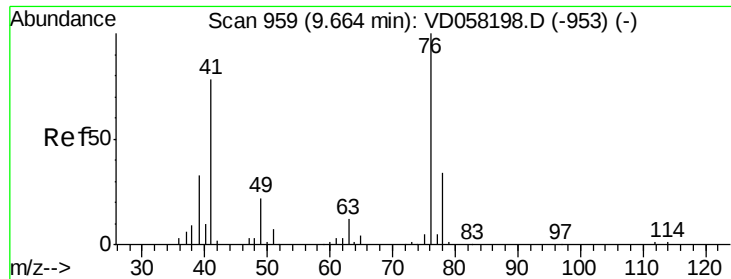


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 31.023 ug/l

RT: 9.68 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

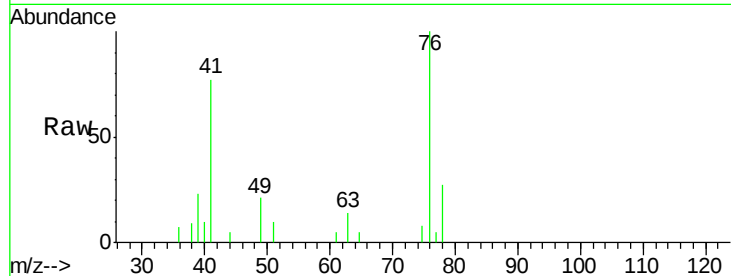
VD0620SBS01

Tot Ion: 76 Resp: 13291

Ion Ratio Lower Upper

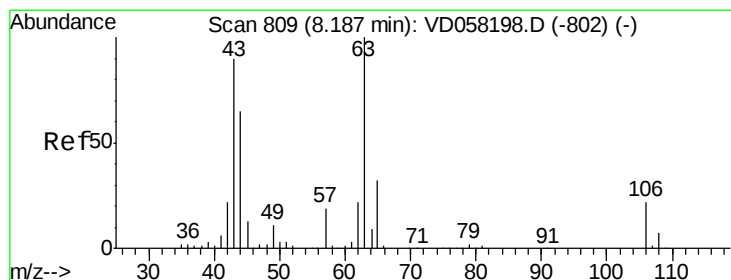
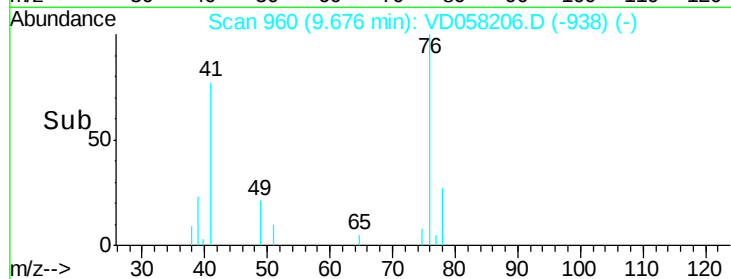
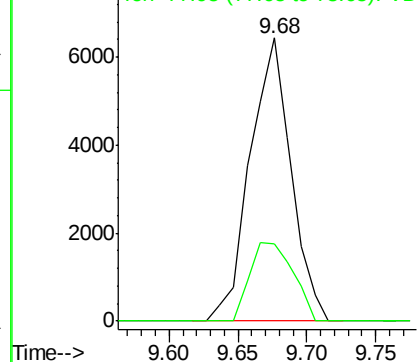
76 100

78 27.3 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 174.483 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058206.D

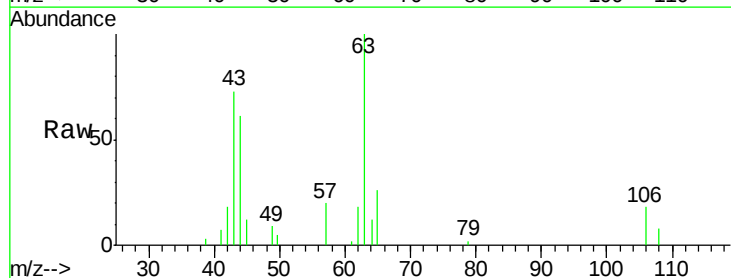
Acq: 20 Jun 2018 13:15

Tgt Ion: 63 Resp: 26274

Ion Ratio Lower Upper

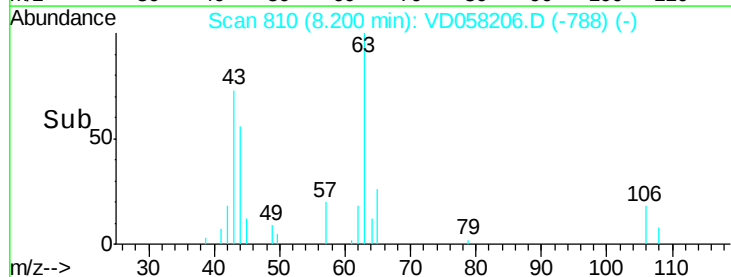
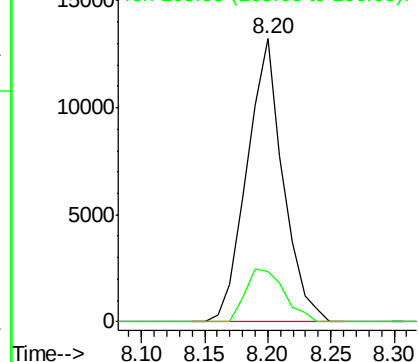
63 100

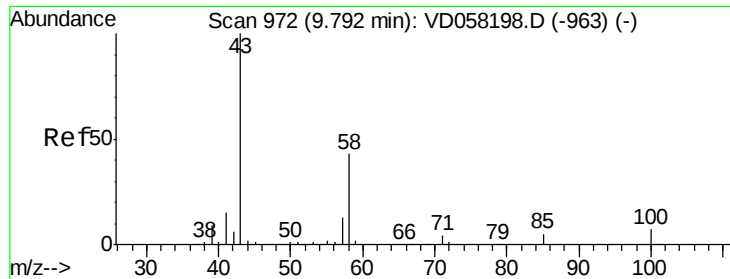
106 17.9 18.0 27.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 349.411 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

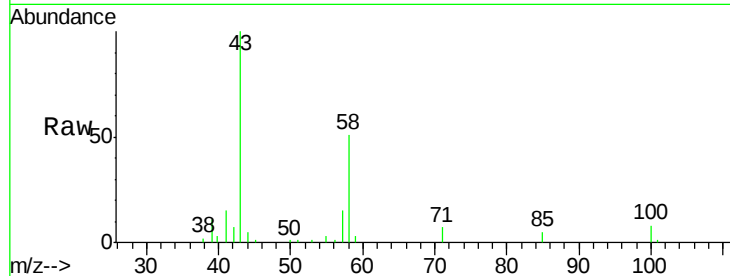
VD0620SBS01

Tot Ion: 43 Resp: 66299

Ion Ratio Lower Upper

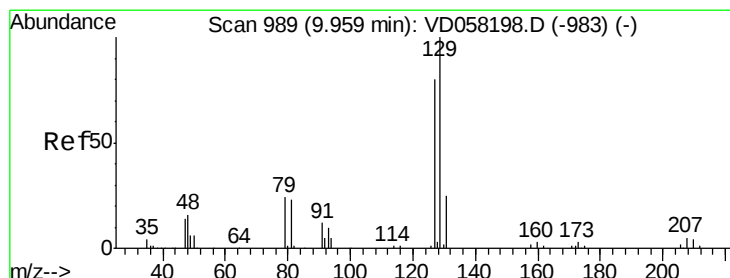
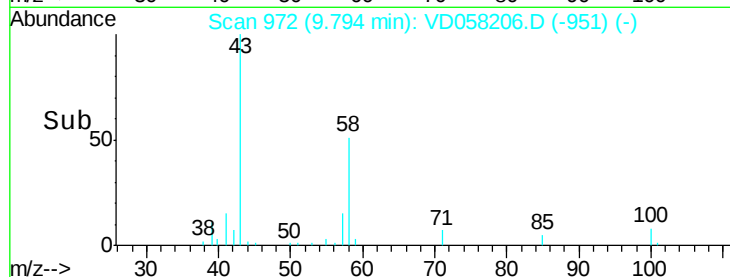
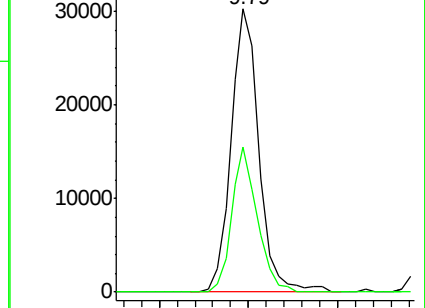
43 100

58 51.2 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.033 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058206.D

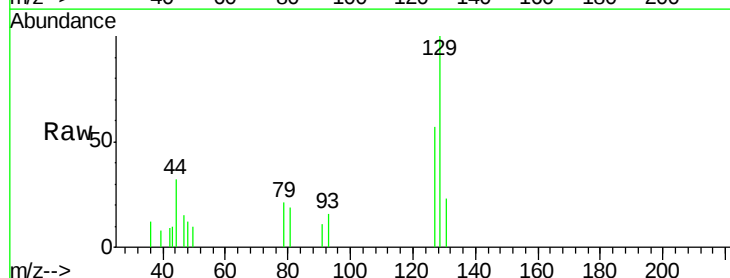
Acq: 20 Jun 2018 13:15

Tgt Ion:129 Resp: 7260

Ion Ratio Lower Upper

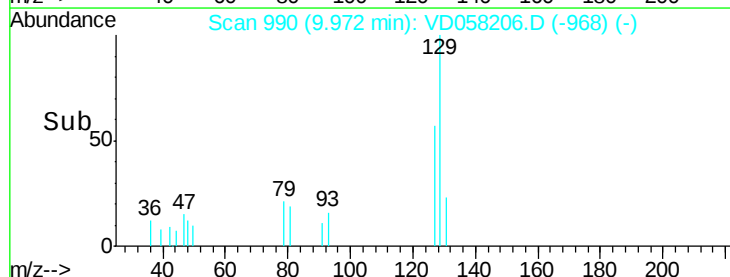
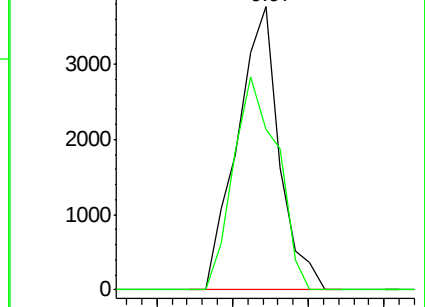
129 100

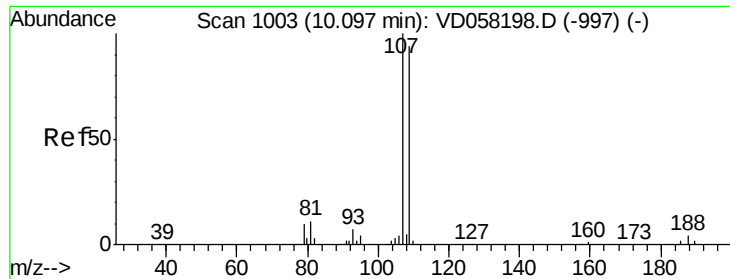
127 56.5 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 34.475 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

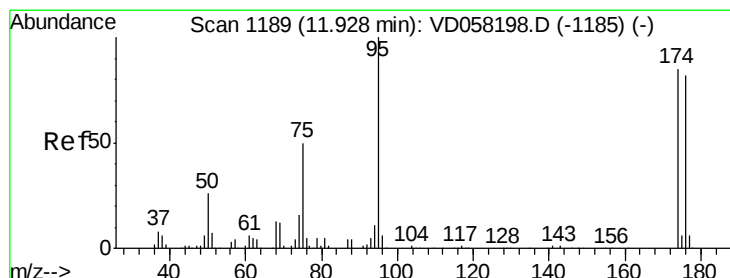
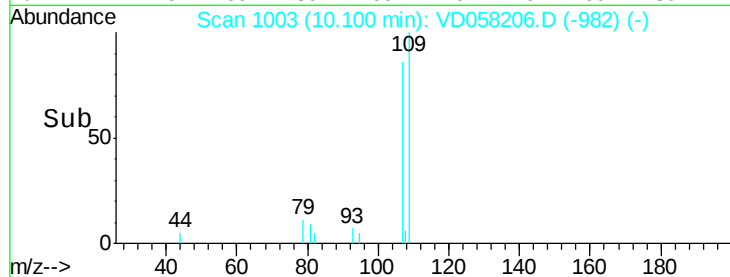
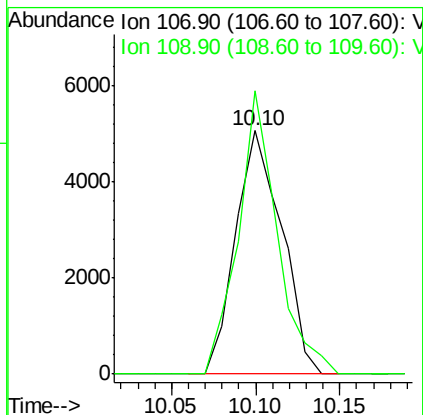
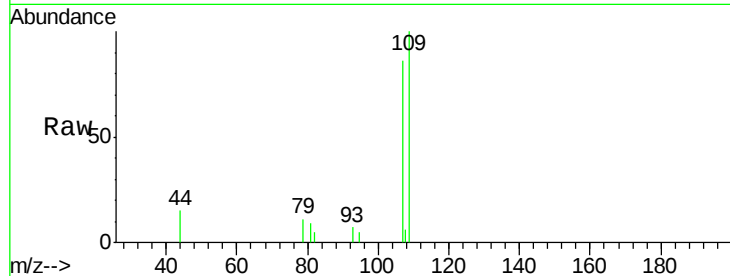
VD0620SBS01

Tot Ion:107 Resp: 9597

Ion Ratio Lower Upper

107 100

109 116.4 74.8 112.2#



#62

4-Bromofluorobenzene

Concen: 34.475 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

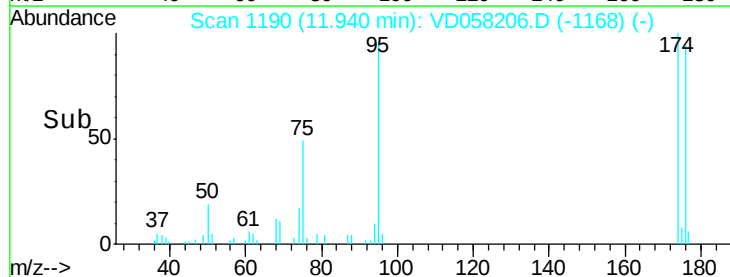
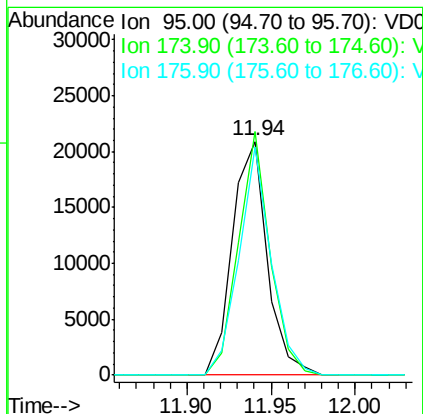
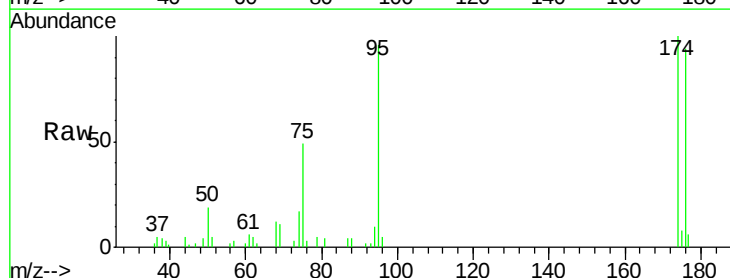
Tgt Ion: 95 Resp: 30088

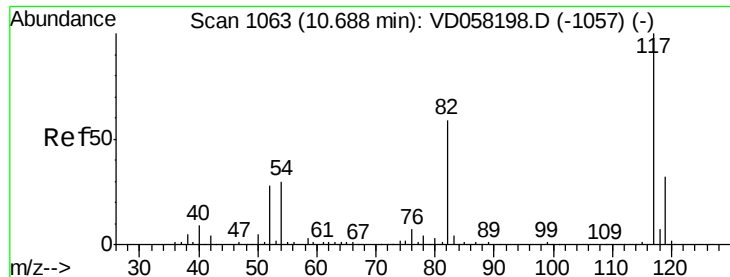
Ion Ratio Lower Upper

95 100

174 104.1 0.0 170.2

176 97.6 0.0 164.6

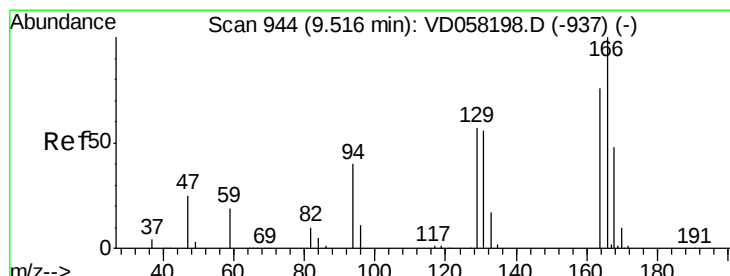
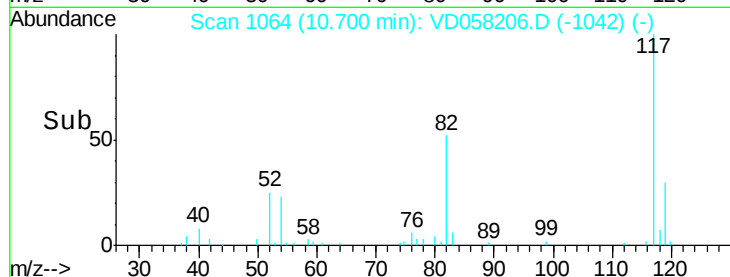
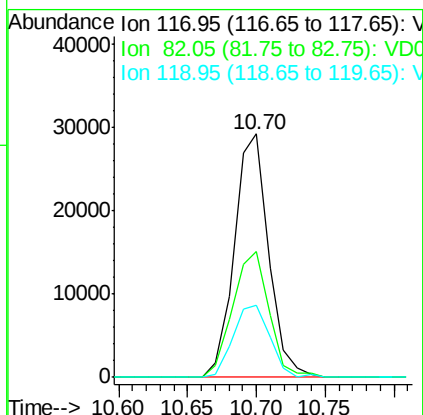
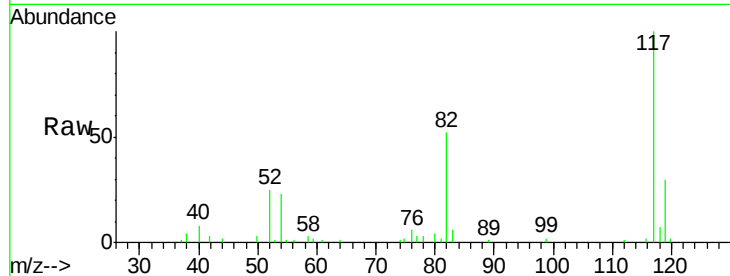




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

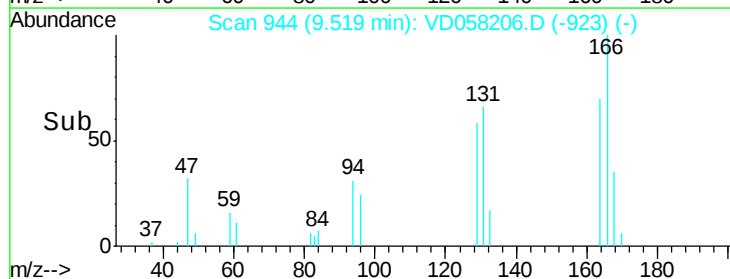
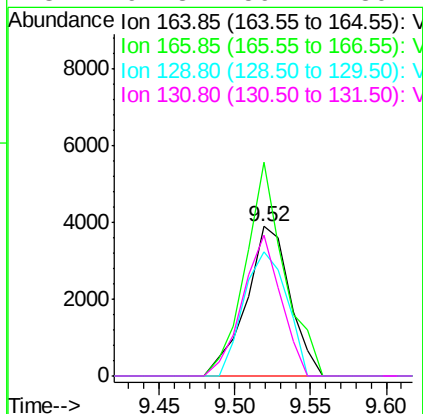
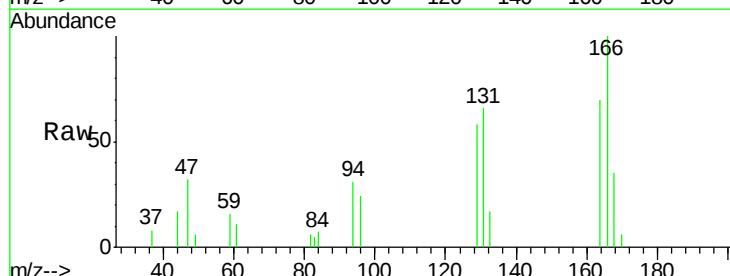
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

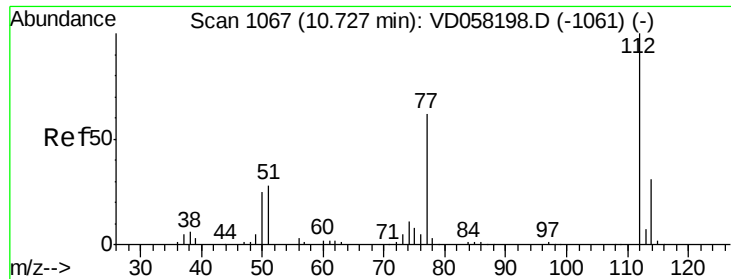
Tot Ion:117 Resp: 50652
Ion Ratio Lower Upper
117 100
82 51.7 47.0 70.6
119 29.6 25.3 37.9



#64
Tetrachloroethene
Concen: 18.466 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion:164 Resp: 7870
Ion Ratio Lower Upper
164 100
166 143.0 105.4 158.0
129 83.3 59.6 89.4
131 94.3 59.4 89.2#





#65

Chlorobenzene

Concen: 20.730 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

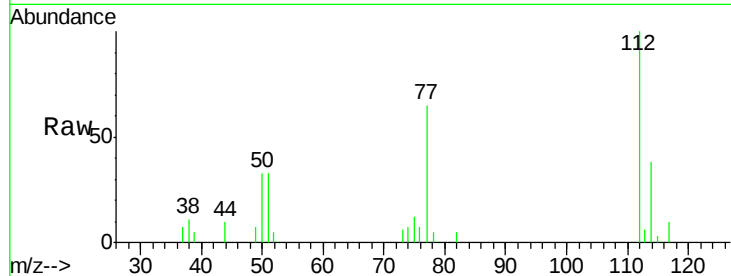
VD0620SBS01

Tot Ion:112 Resp: 19641

Ion Ratio Lower Upper

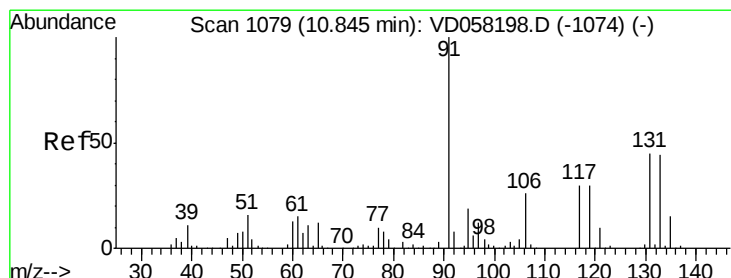
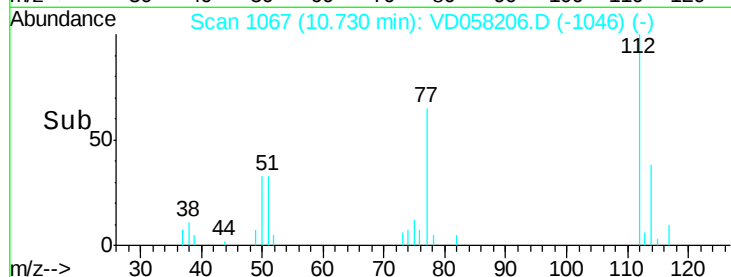
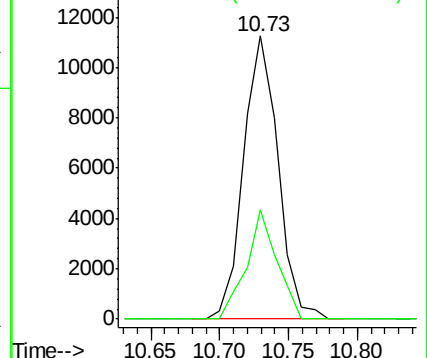
112 100

114 38.5 25.0 37.4#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.201 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

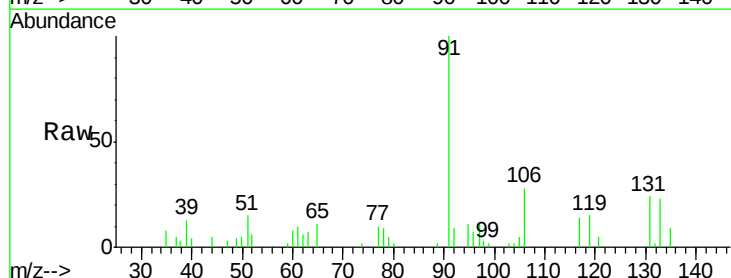
Tgt Ion:131 Resp: 6655

Ion Ratio Lower Upper

131 100

133 96.4 48.6 145.9

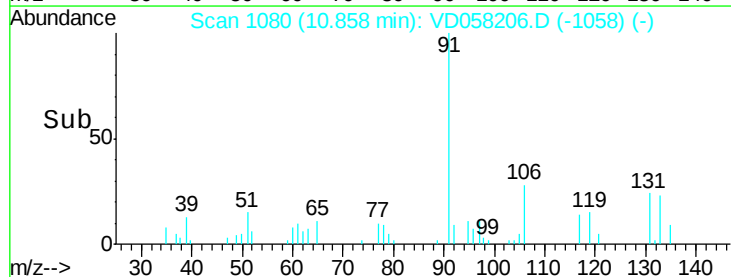
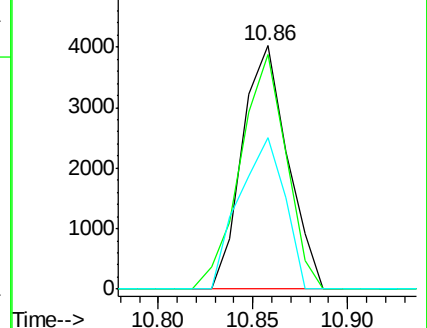
119 62.1 33.0 99.0



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

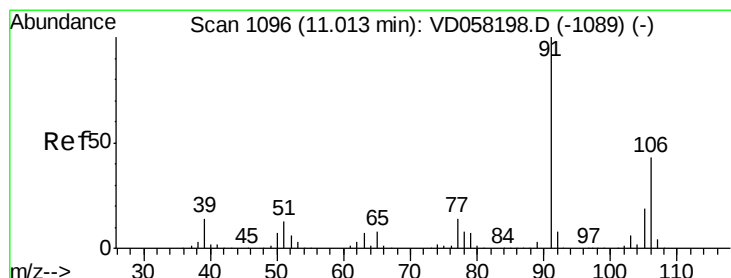
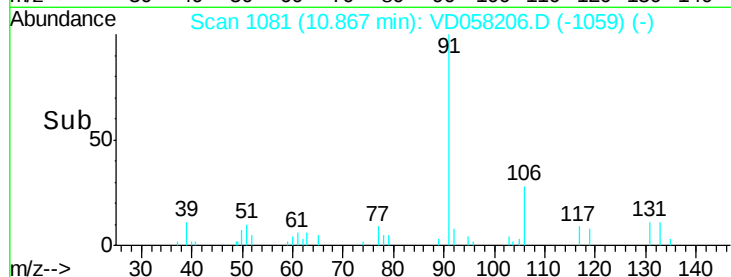
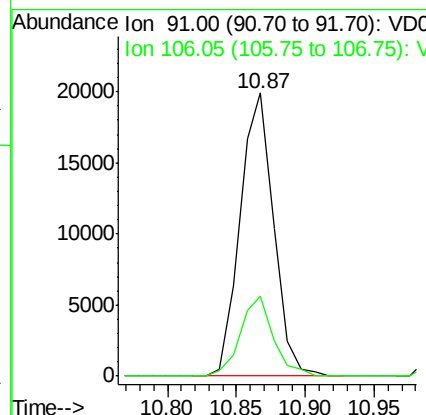
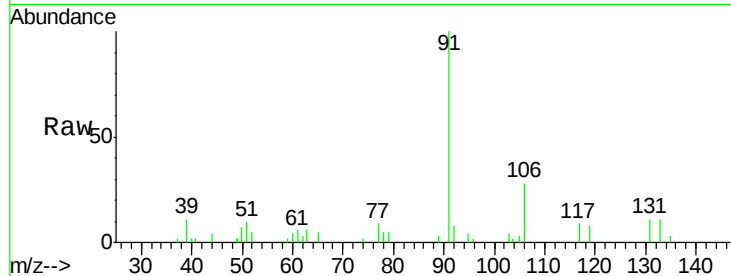




#67
Ethyl Benzene
Concen: 20.165 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

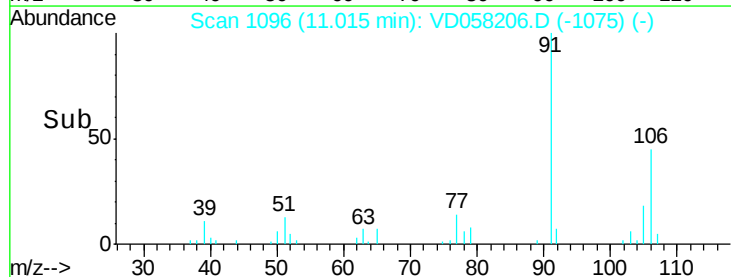
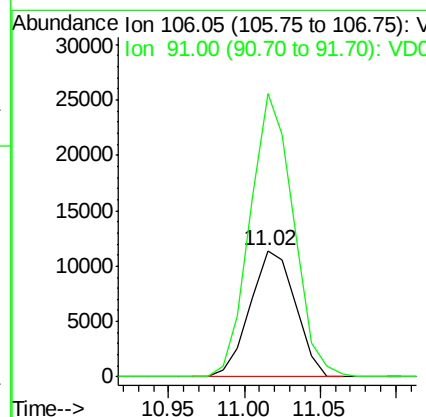
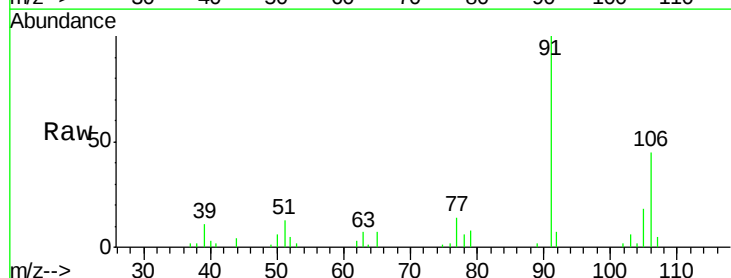
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

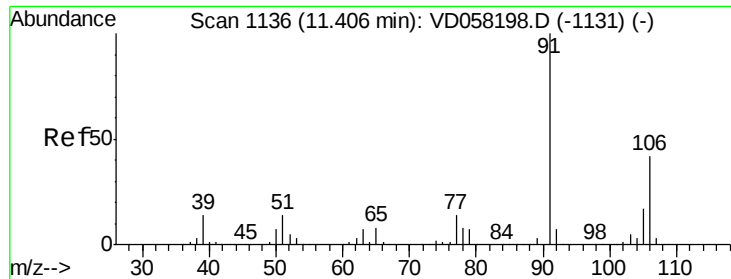
Tot Ion: 91 Resp: 33730
Ion Ratio Lower Upper
91 100
106 28.0 22.0 33.0



#68
m/p-Xylenes
Concen: 42.760 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion: 106 Resp: 23852
Ion Ratio Lower Upper
106 100
91 224.3 185.0 277.6

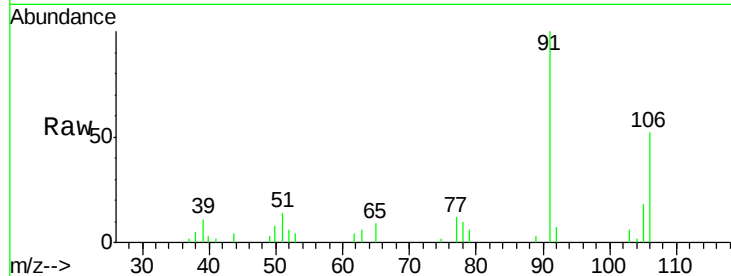




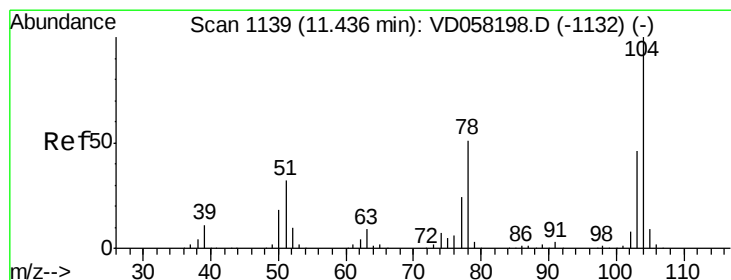
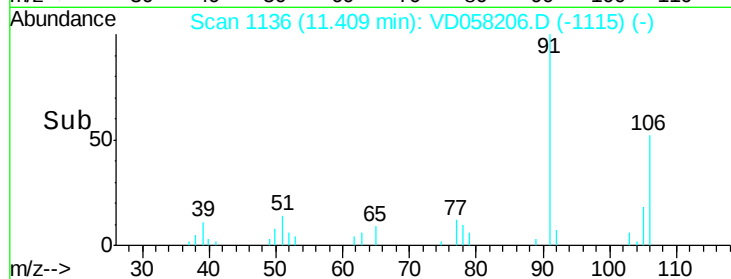
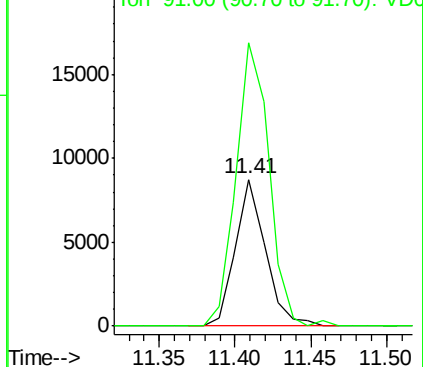
#69
o-Xylene
Concen: 22.629 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion:106 Resp: 12056
Ion Ratio Lower Upper
106 100
91 193.0 120.2 360.6

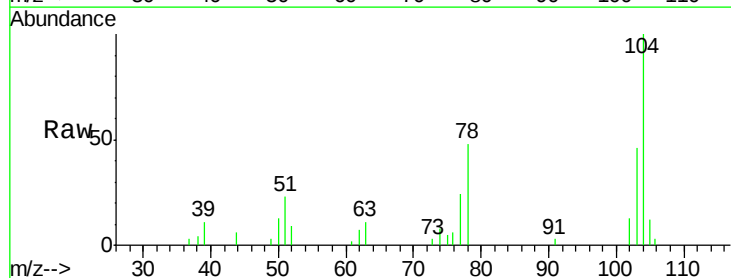


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

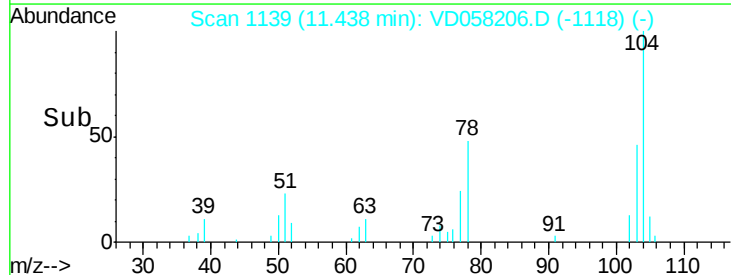
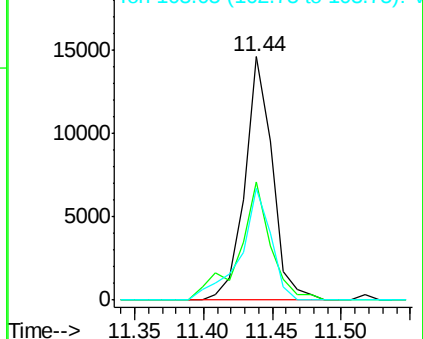


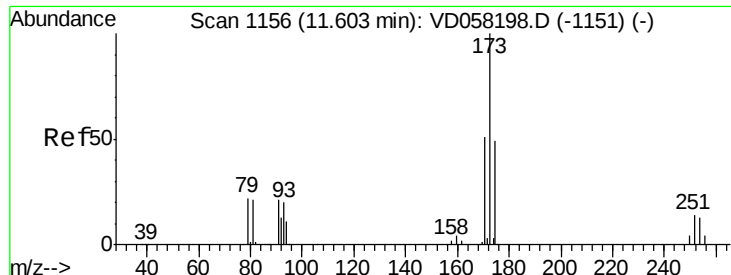
#70
Styrene
Concen: 22.358 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion:104 Resp: 20326
Ion Ratio Lower Upper
104 100
78 48.3 40.8 61.2
103 45.9 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

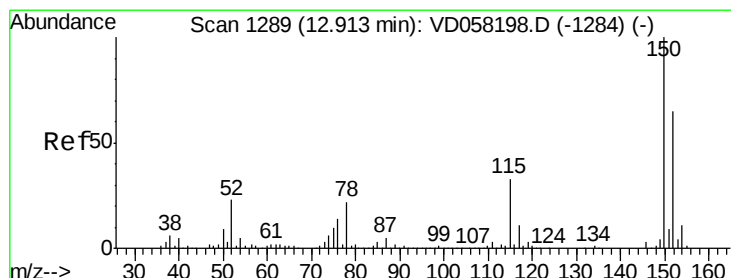
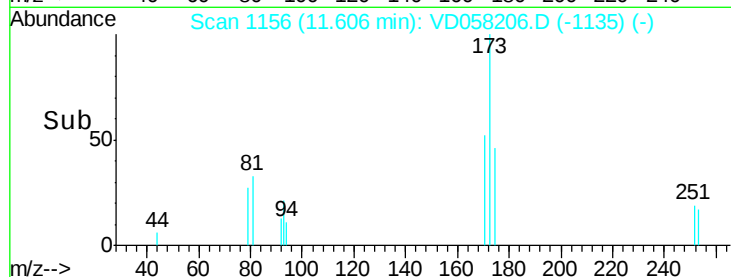
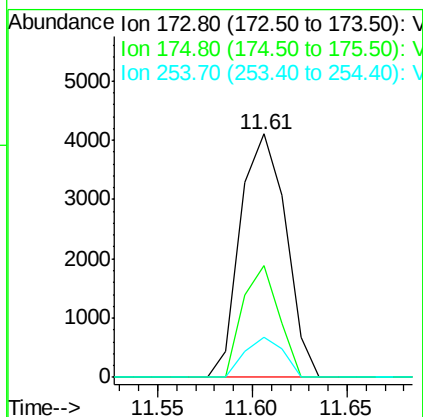
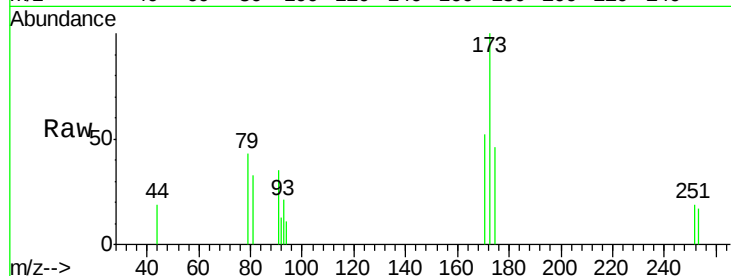




#71
Bromoform
Concen: 23.481 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

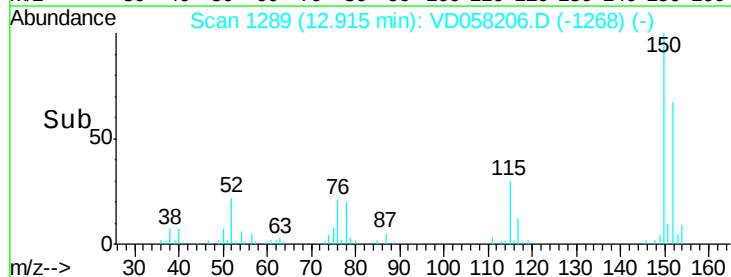
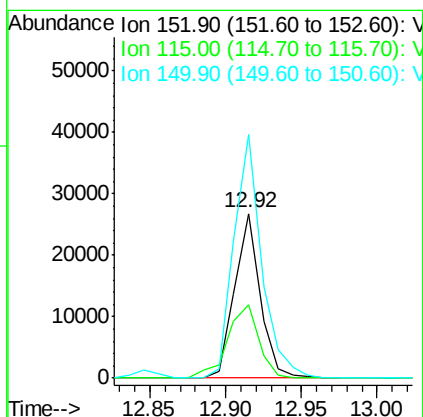
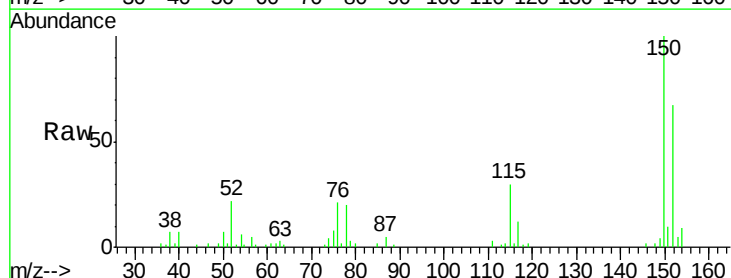
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

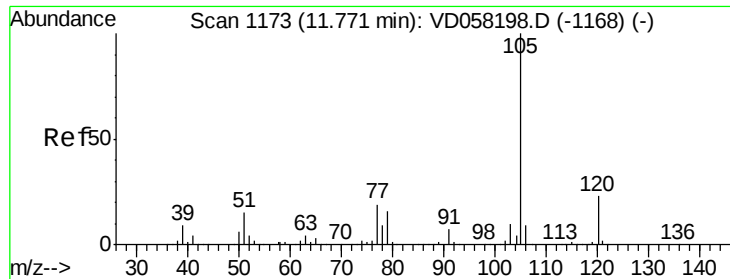
Tot Ion:173 Resp: 6849
Ion Ratio Lower Upper
173 100
175 45.8 24.6 74.0
254 16.6 10.3 15.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion:152 Resp: 31373
Ion Ratio Lower Upper
152 100
115 44.5 25.1 75.3
150 148.3 0.0 308.8





#73

Isopropylbenzene

Concen: 15.416 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

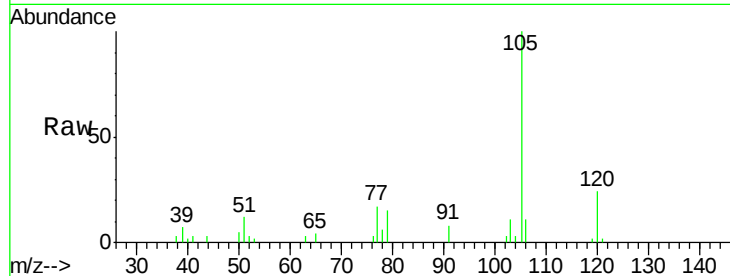
VD0620SBS01

Tot Ion: 105 Resp: 28929

Ion Ratio Lower Upper

105 100

120 24.1 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

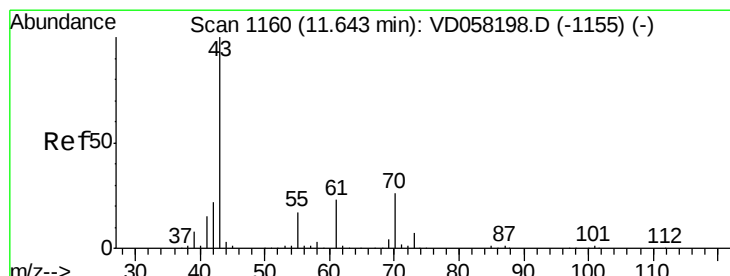
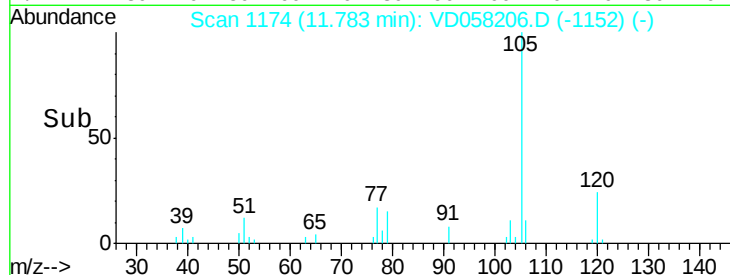
Ion 120.05 (119.75 to 120.75): V

11.78

11.75

11.80

Time-->



#74

N-ethyl acetate

Concen: 30.189 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Tgt Ion: 43 Resp: 21905

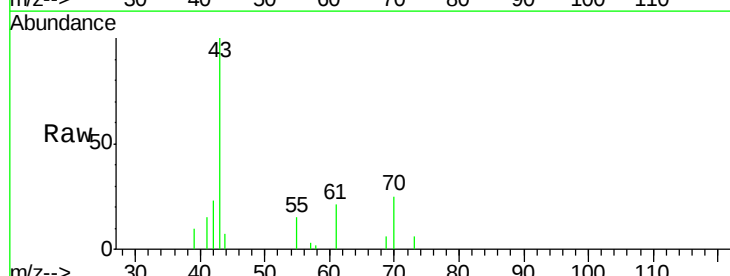
Ion Ratio Lower Upper

43 100

70 25.0 20.9 31.3

55 15.0 13.5 20.3

61 20.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

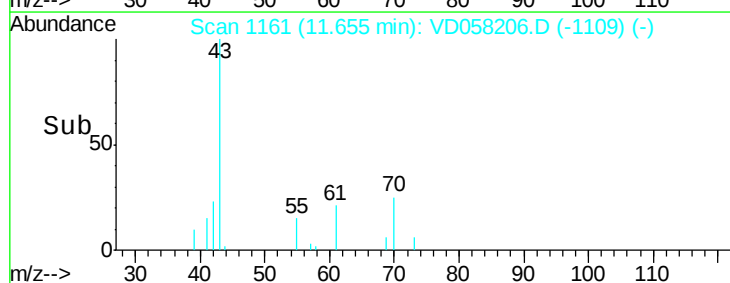
Ion 60.95 (60.65 to 61.65): V

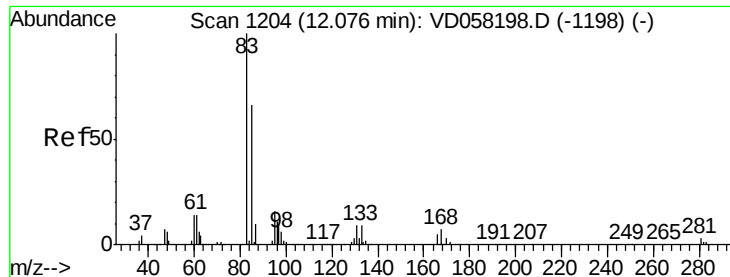
11.65

11.60

11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 31.956 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

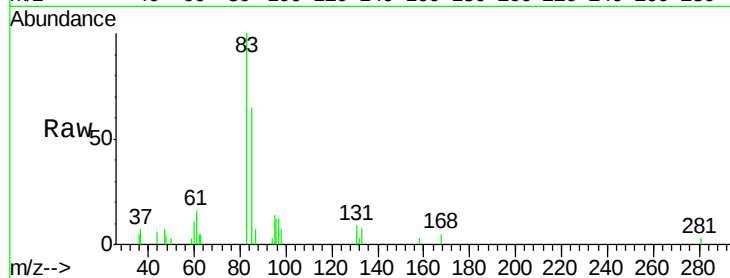
Tot Ion: 83 Resp: 13955

Ion Ratio Lower Upper

83 100

131 8.9 4.8 14.3

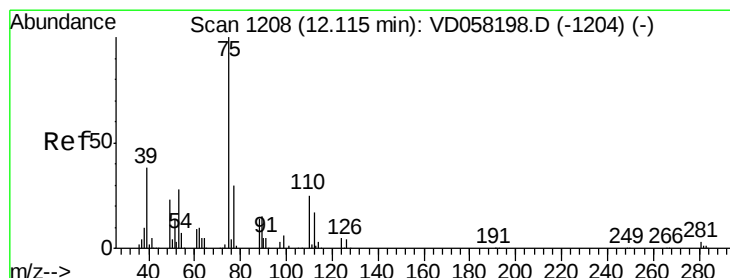
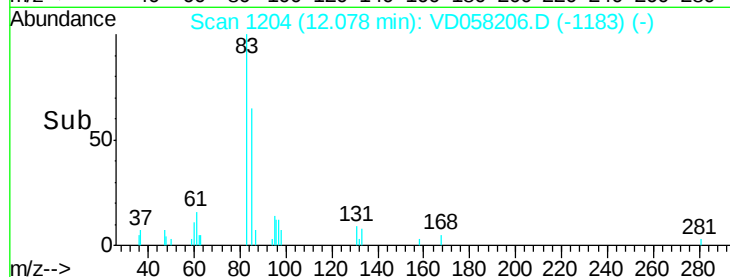
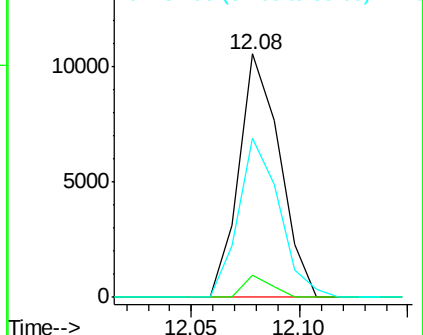
85 65.4 33.1 99.5



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: 34.568 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058206.D

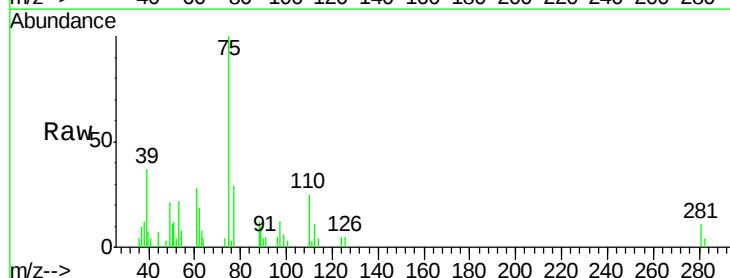
Acq: 20 Jun 2018 13:15

Tgt Ion: 75 Resp: 15834

Ion Ratio Lower Upper

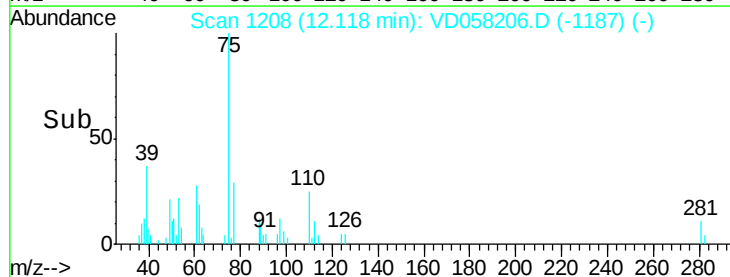
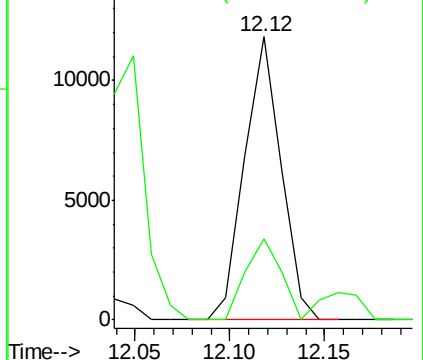
75 100

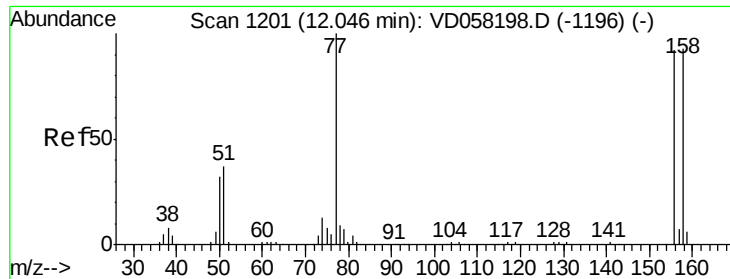
77 28.6 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.524 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

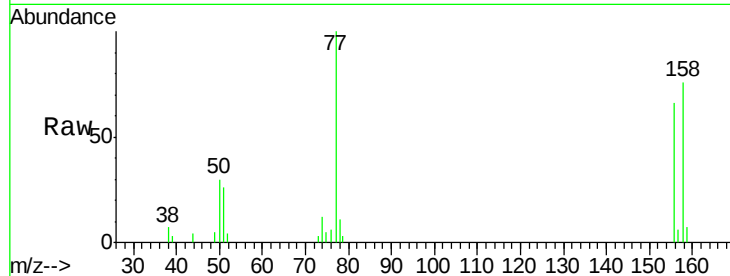
Tot Ion:156 Resp: 10409

Ion Ratio Lower Upper

156 100

77 152.3 54.5 163.6

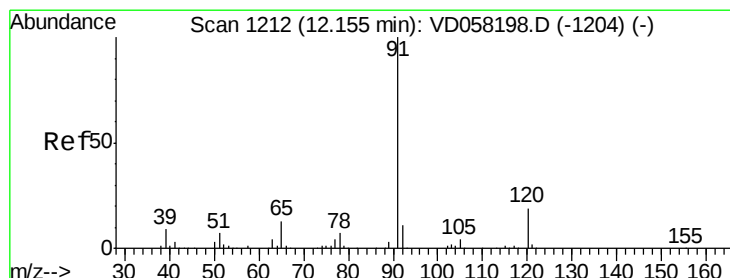
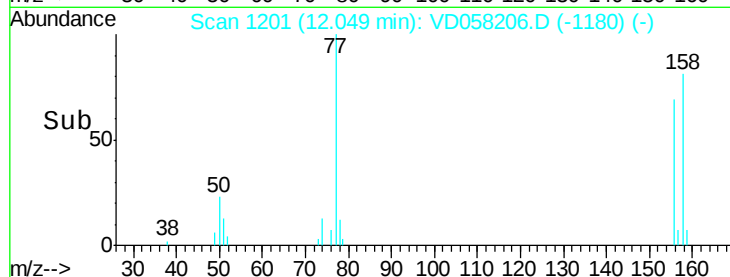
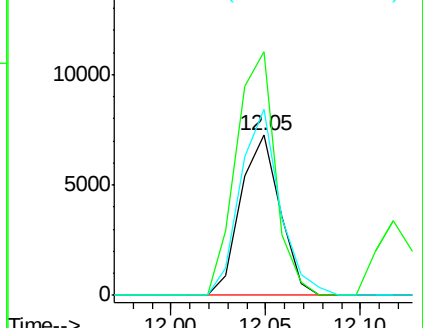
158 116.4 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 15.640 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058206.D

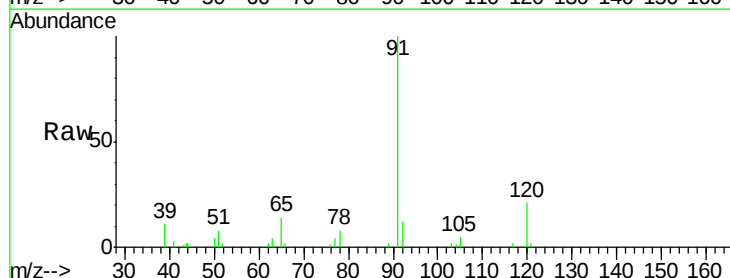
Acq: 20 Jun 2018 13:15

Tgt Ion: 91 Resp: 37901

Ion Ratio Lower Upper

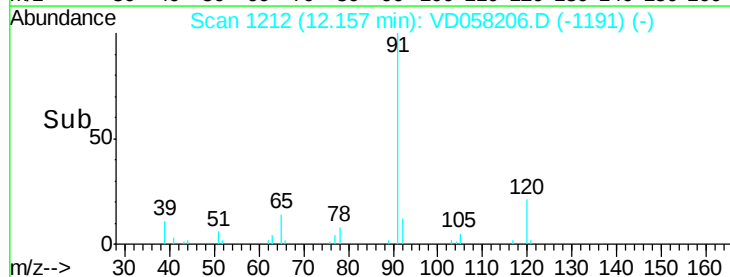
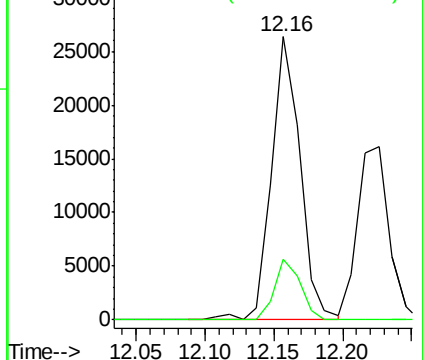
91 100

120 21.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.472 ug/l

RT: 12.23 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

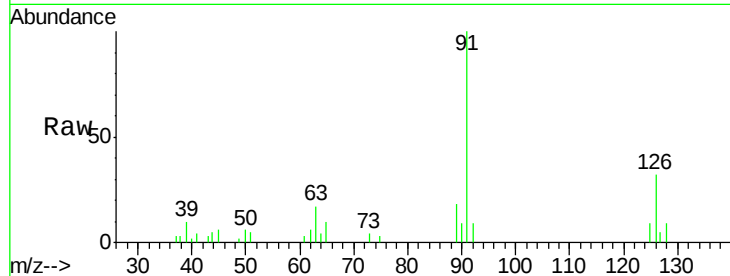
VD0620SBS01

Tot Ion: 91 Resp: 25616

Ion Ratio Lower Upper

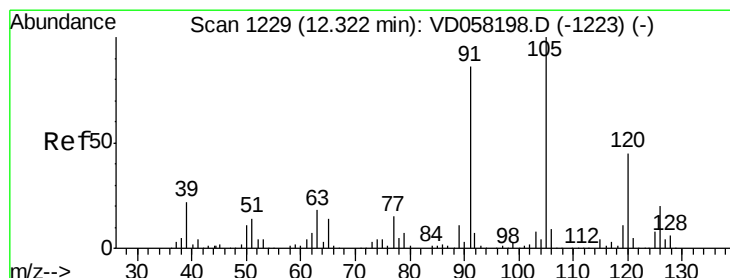
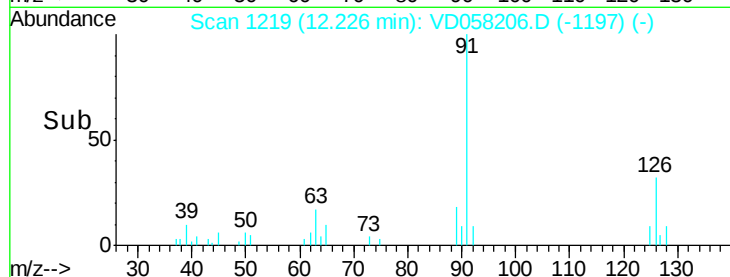
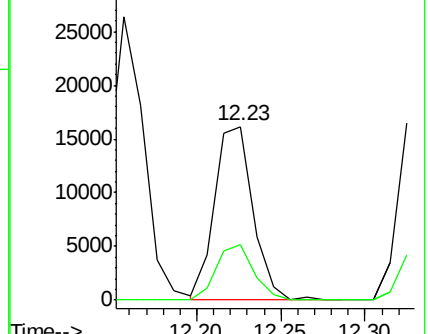
91 100

126 31.8 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 16.780 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058206.D

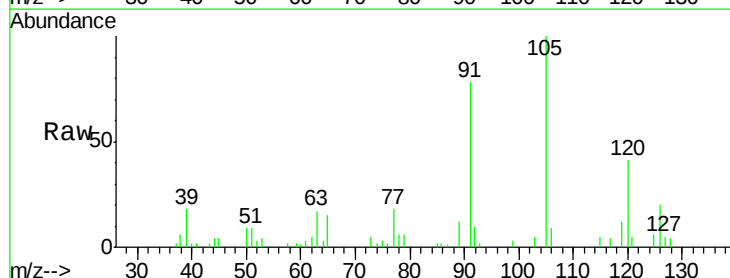
Acq: 20 Jun 2018 13:15

Tgt Ion:105 Resp: 24561

Ion Ratio Lower Upper

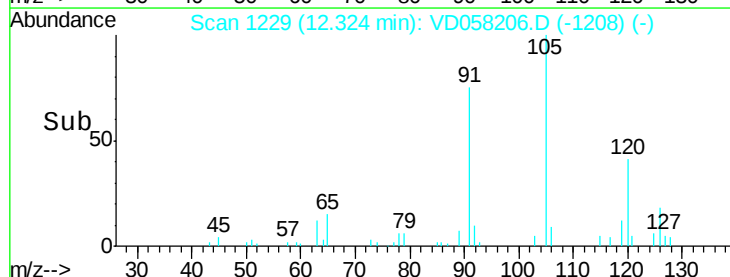
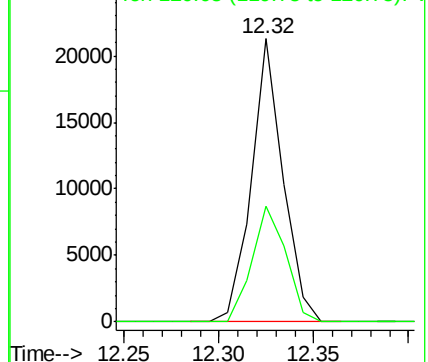
105 100

120 40.9 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 27.453 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

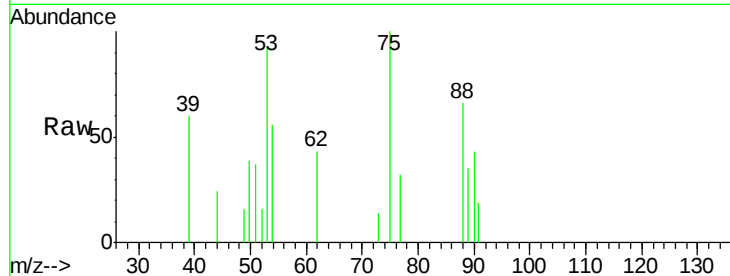
Tot Ion: 75 Resp: 3067

Ion Ratio Lower Upper

75 100

53 92.8 100.8 151.2#

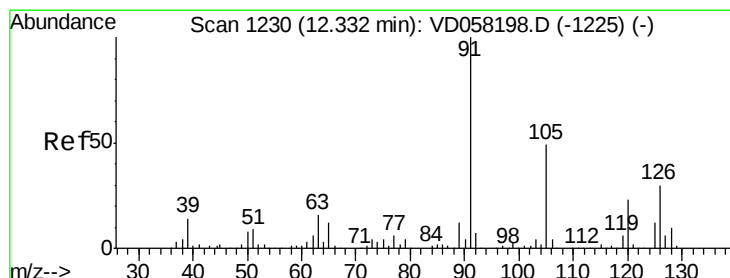
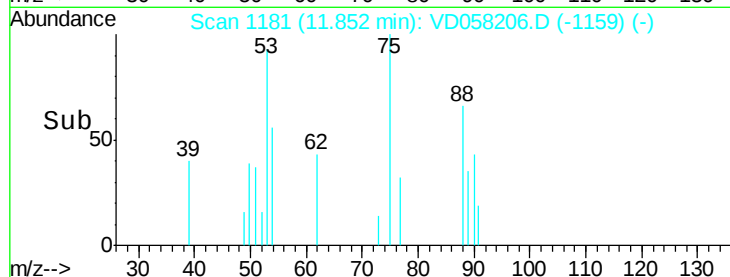
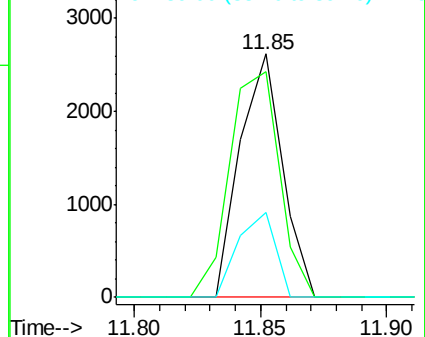
89 34.7 34.6 52.0



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: 19.466 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058206.D

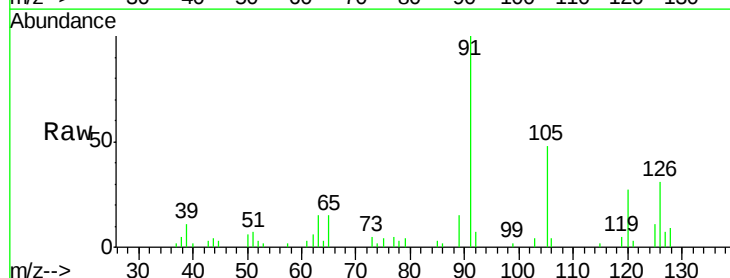
Acq: 20 Jun 2018 13:15

Tgt Ion: 91 Resp: 30796

Ion Ratio Lower Upper

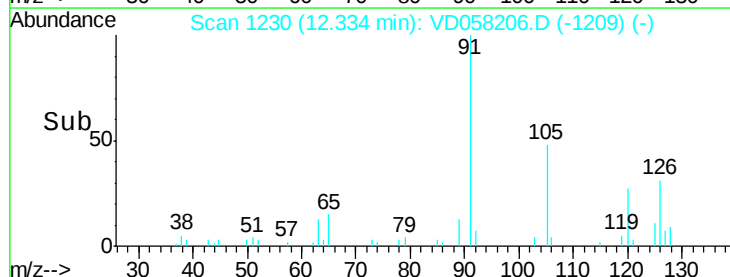
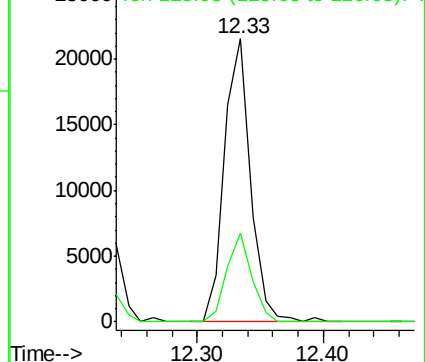
91 100

126 31.3 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

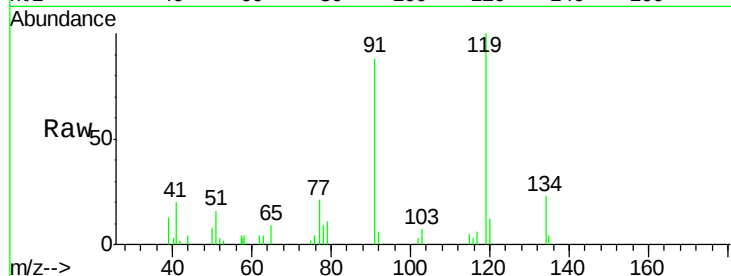




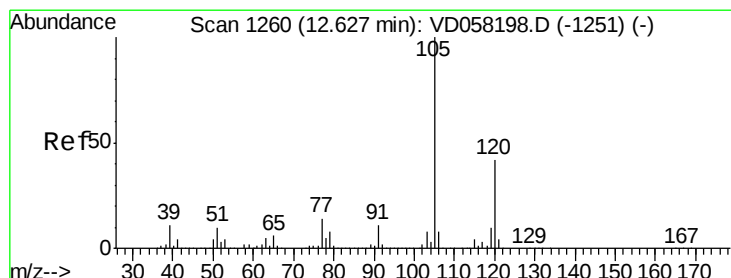
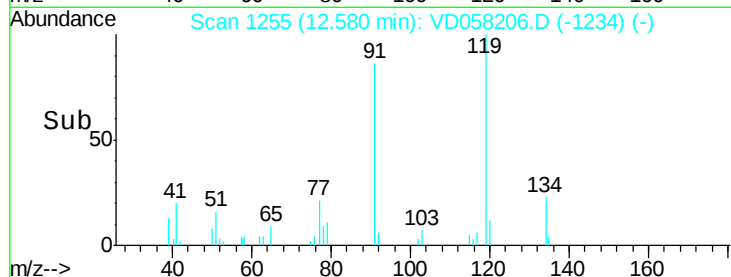
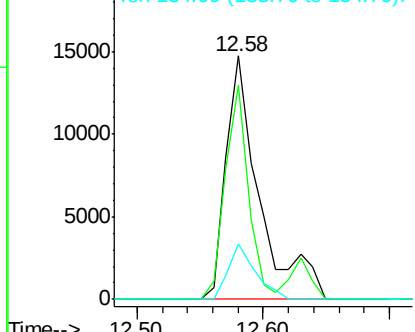
#83
tert-Butylbenzene
Concen: 15.996 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion:119 Resp: 26917
Ion Ratio Lower Upper
119 100
91 87.8 38.9 116.6
134 23.0 11.2 33.5

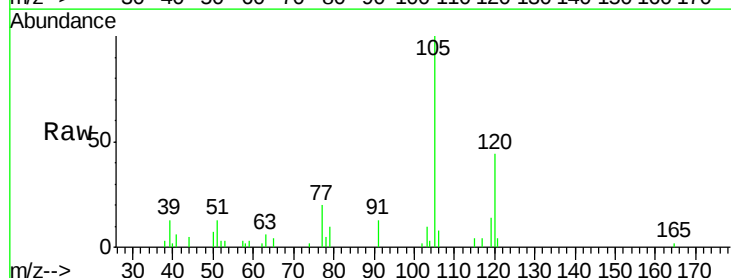


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

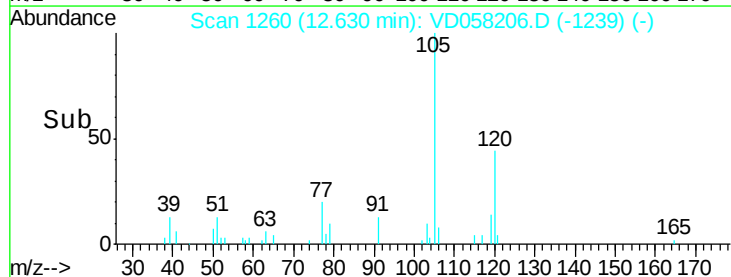
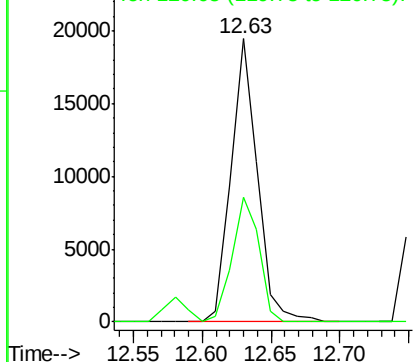


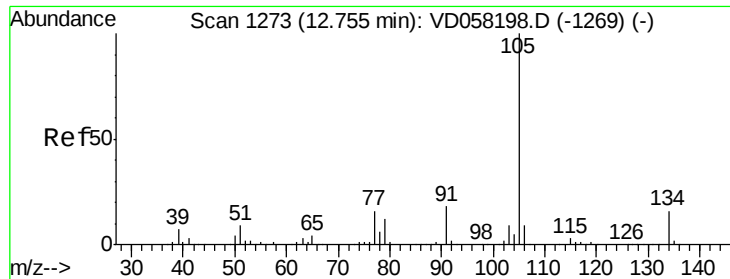
#84
1,2,4-Trimethylbenzene
Concen: 16.285 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion:105 Resp: 25909
Ion Ratio Lower Upper
105 100
120 43.8 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

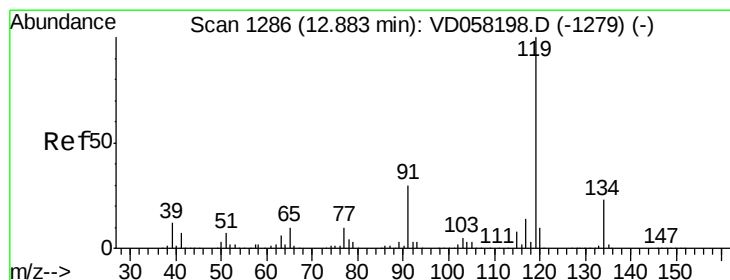
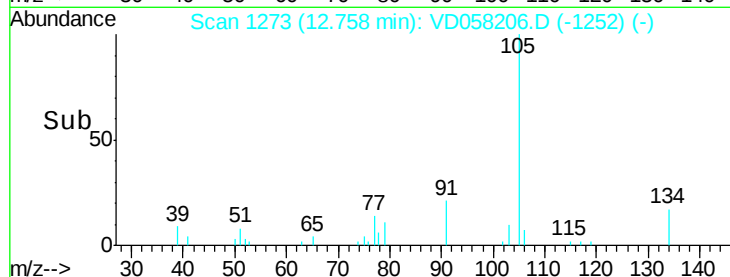
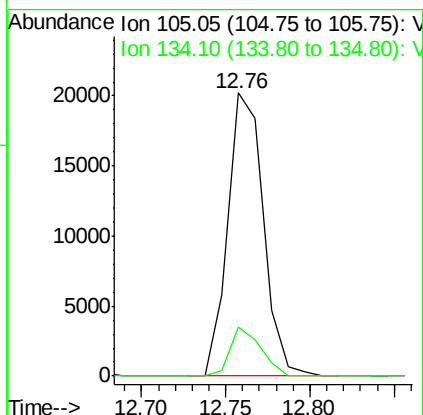
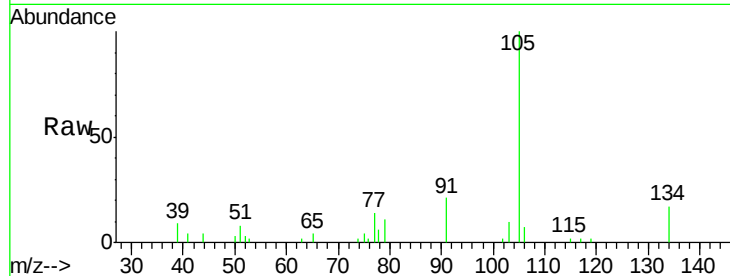




#85
 sec-Butylbenzene
 Concen: 15.014 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

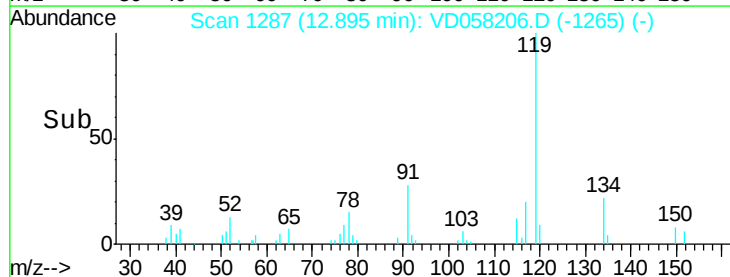
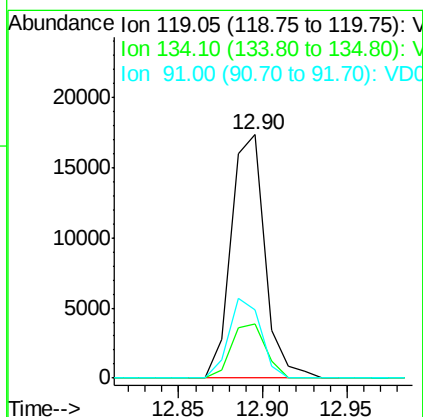
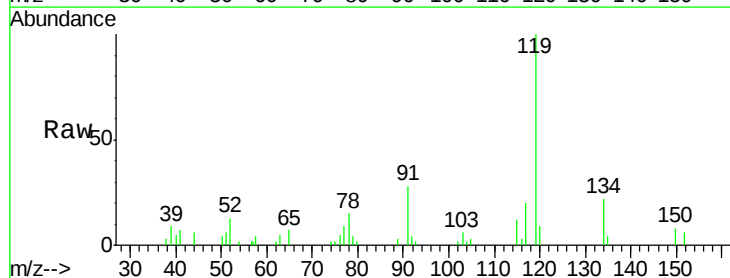
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

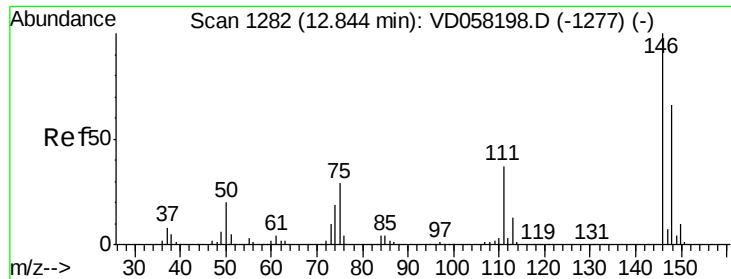
Tot Ion:105 Resp: 29615
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 15.074 ug/l
 RT: 12.90 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

Tgt Ion:119 Resp: 24094
 Ion Ratio Lower Upper
 119 100
 134 22.3 11.6 34.8
 91 28.2 15.0 45.1

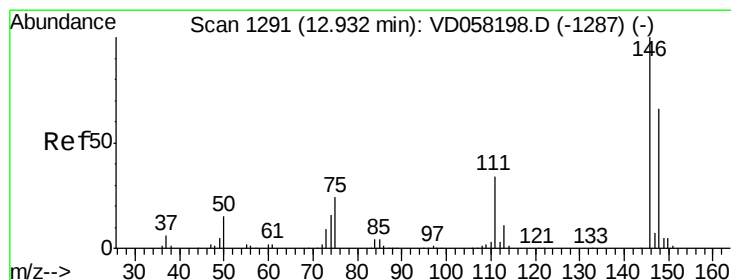
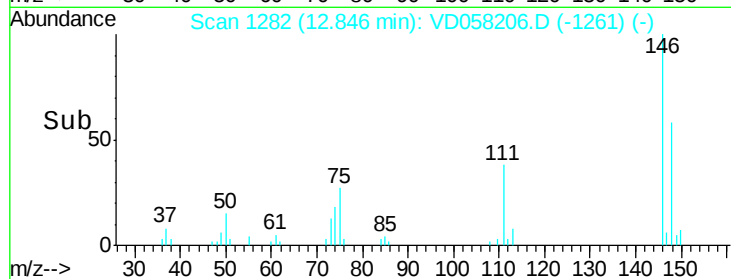
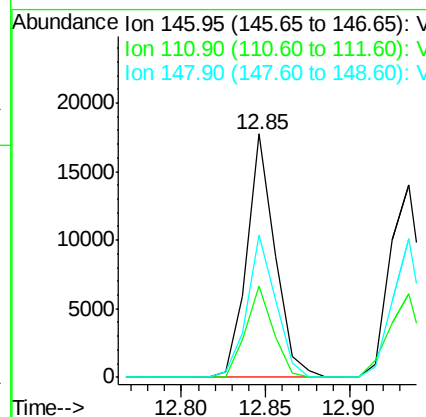
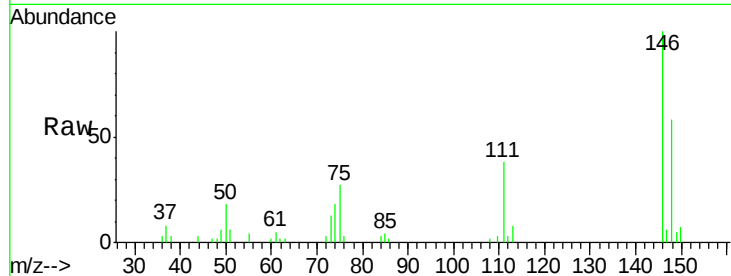




#87
 1,3-Dichlorobenzene
 Concen: 21.056 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

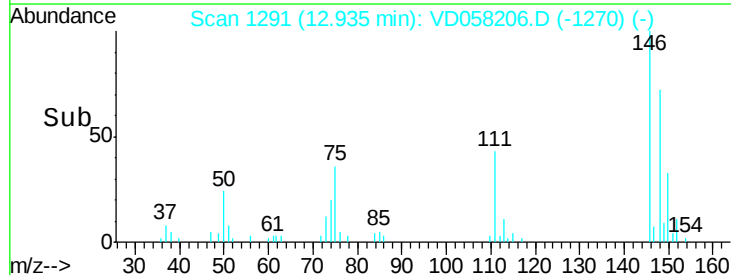
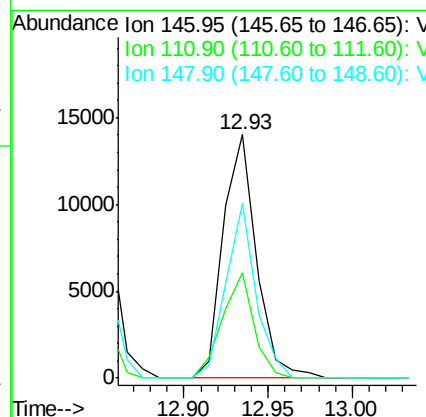
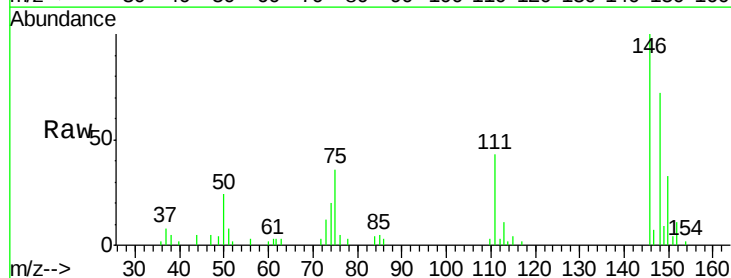
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

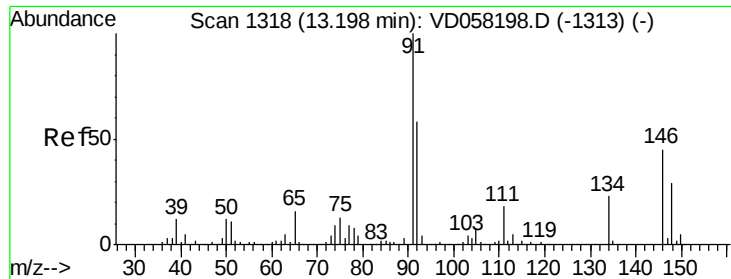
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.0
148	58.5	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 20.116 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	17.2	51.5
148	71.8	33.1	99.3

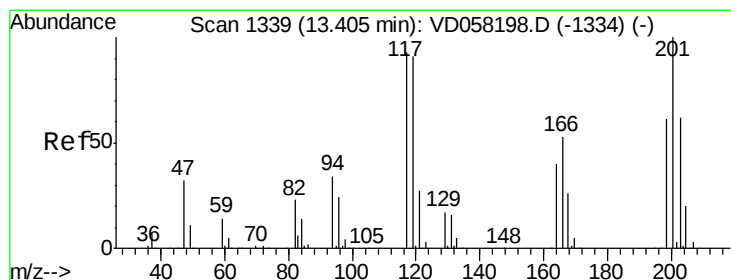
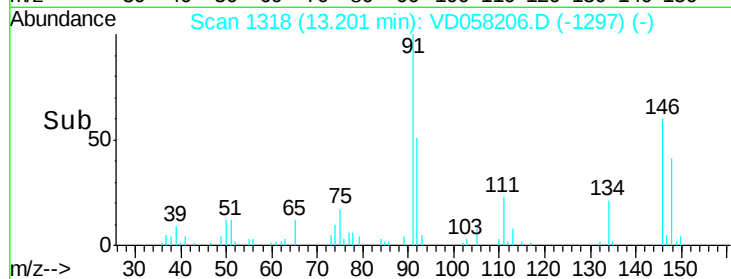
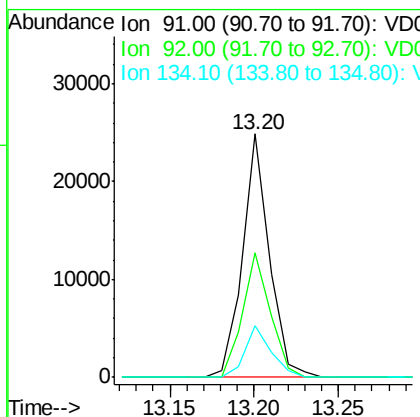
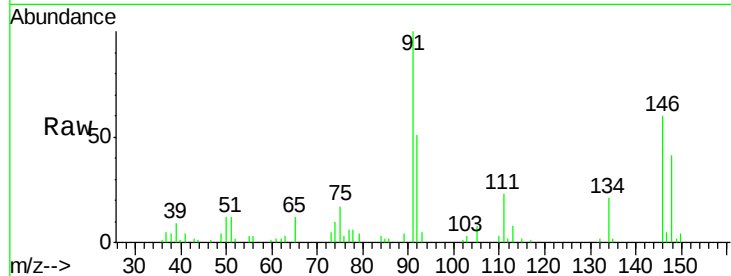




#89
n-Butylbenzene
Concen: 16.302 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

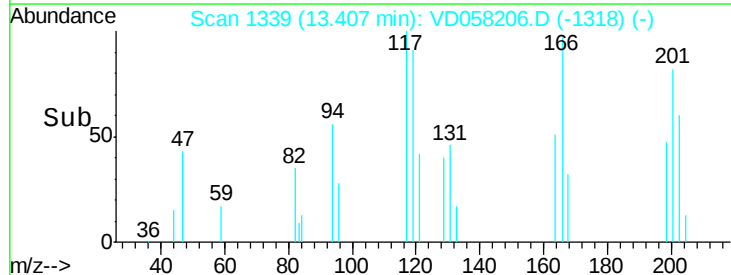
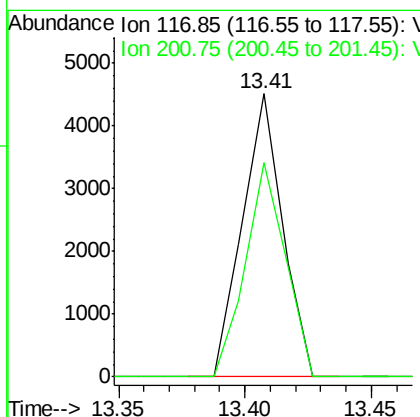
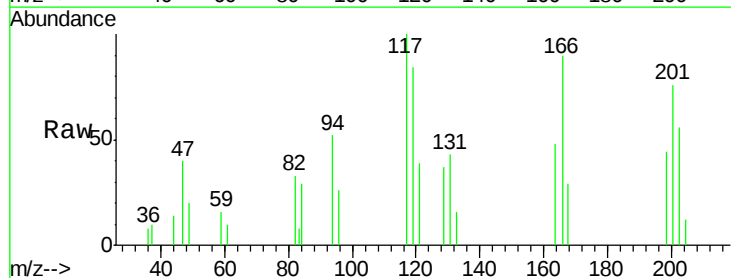
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

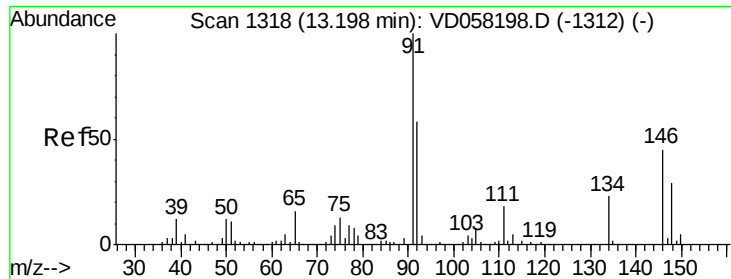
Tot Ion: 91 Resp: 27386
Ion Ratio Lower Upper
91 100
92 51.1 29.2 87.6
134 21.2 11.3 33.8



#90
Hexachloroethane
Concen: 11.996 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion: 117 Resp: 4977
Ion Ratio Lower Upper
117 100
201 75.7 53.8 161.4





#91

1,2-Dichlorobenzene

Concen: 21.750 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

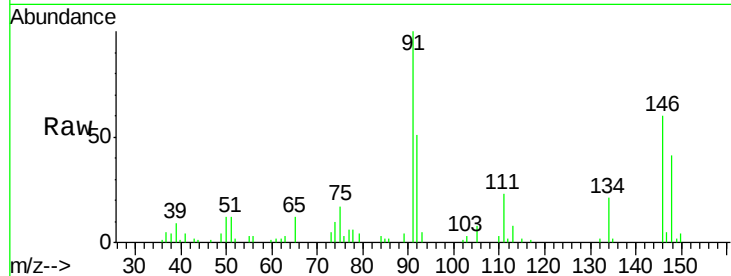
Tot Ion:146 Resp: 18078

Ion Ratio Lower Upper

146 100

111 38.7 19.6 58.7

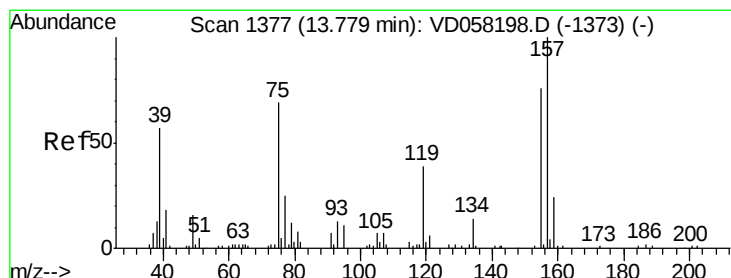
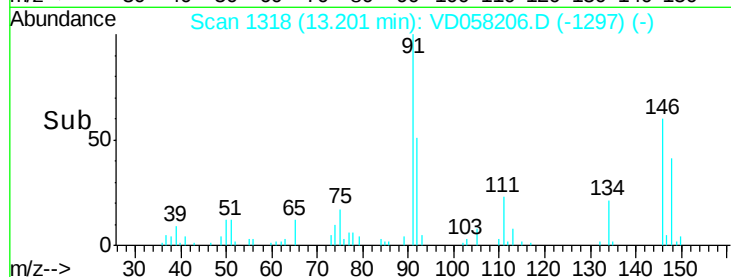
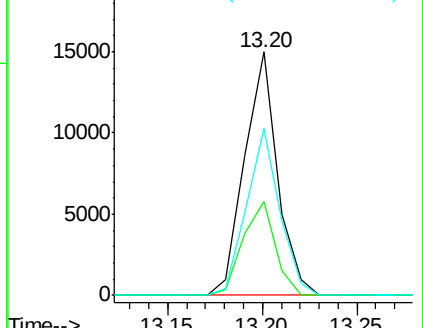
148 68.3 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 38.086 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058206.D

Acq: 20 Jun 2018 13:15

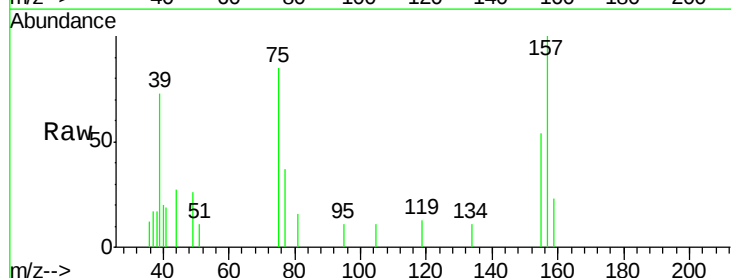
Tgt Ion: 75 Resp: 2647

Ion Ratio Lower Upper

75 100

155 63.2 54.5 163.5

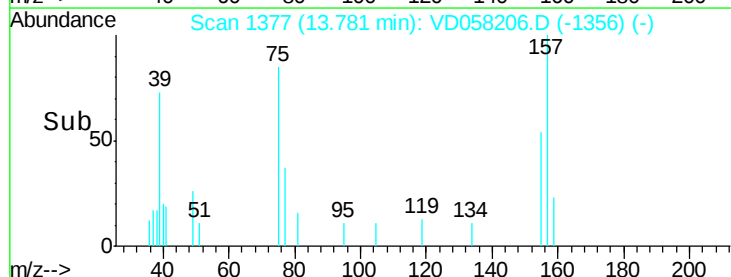
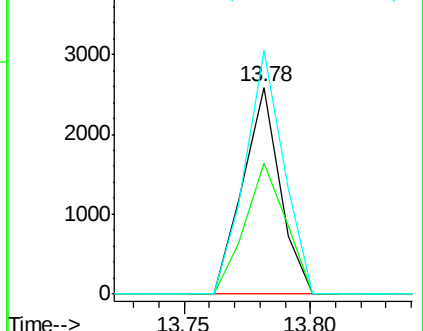
157 117.6 72.0 215.9



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

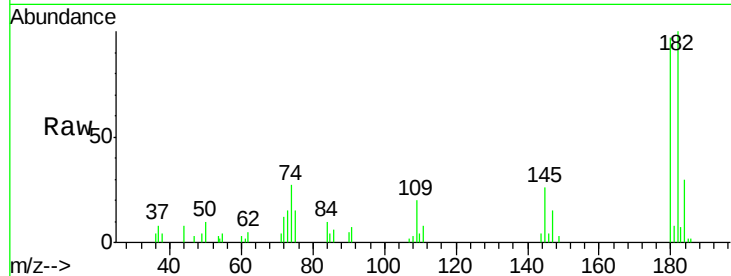




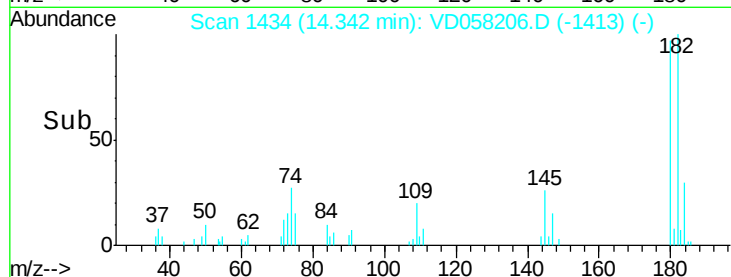
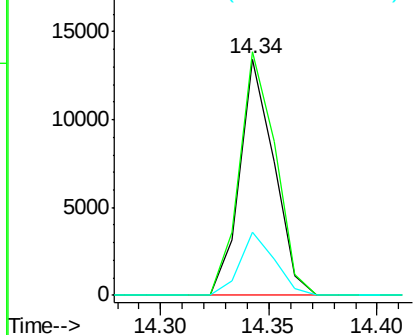
#93
 1,2,4-Trichlorobenzene
 Concen: 18.808 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

Tot Ion:180 Resp: 14951
 Ion Ratio Lower Upper
 180 100
 182 103.2 47.1 141.3
 145 26.7 11.7 35.0

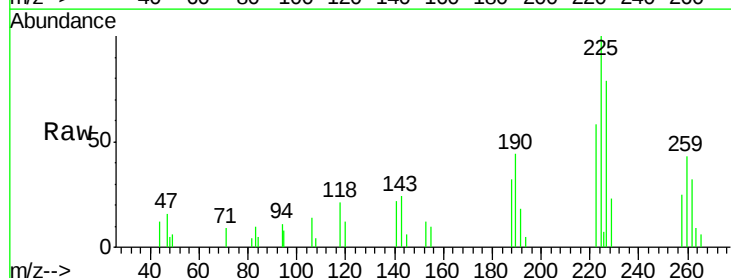


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

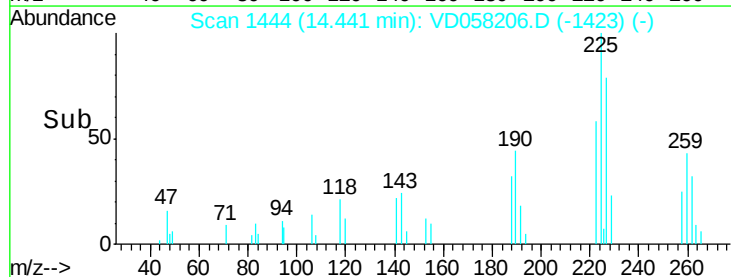
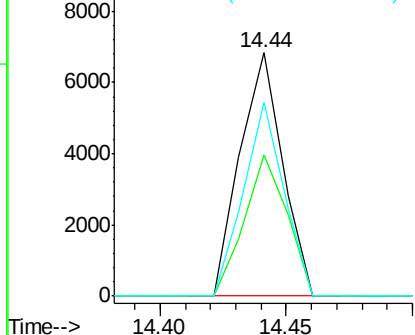


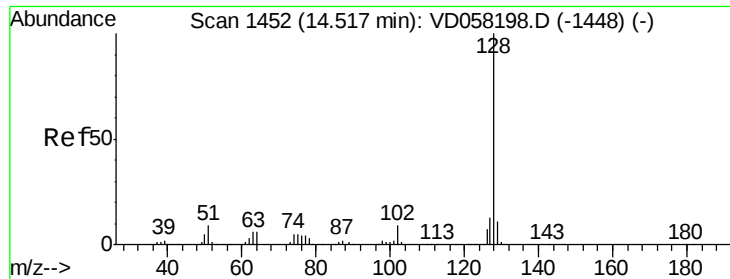
#94
 Hexachlorobutadiene
 Concen: 12.886 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058206.D
 Acq: 20 Jun 2018 13:15

Tgt Ion:225 Resp: 8012
 Ion Ratio Lower Upper
 225 100
 223 57.9 30.1 90.3
 227 79.3 33.0 98.9



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

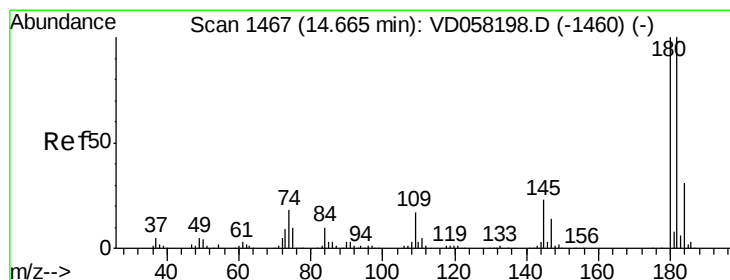
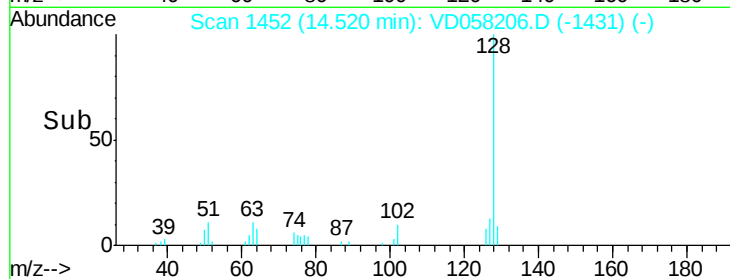
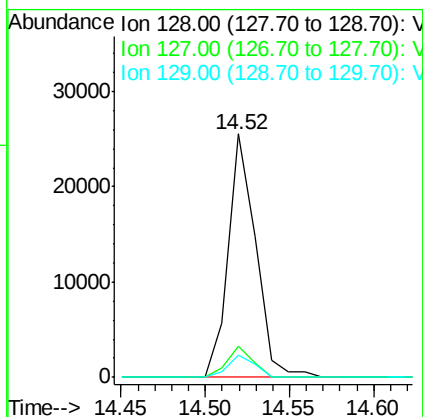
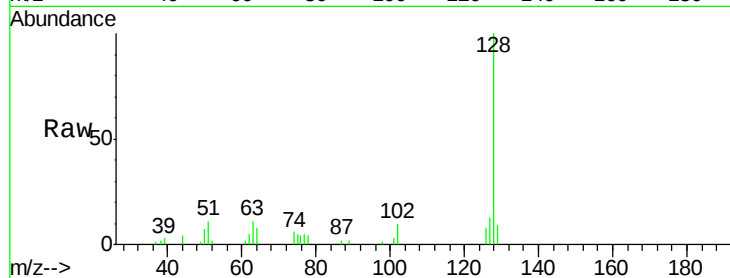




#95
Naphthalene
Concen: 27.706 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion:128 Resp: 29012
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 9.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.966 ug/l
RT: 14.67 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD058206.D
Acq: 20 Jun 2018 13:15

Tgt Ion:180 Resp: 13895
Ion Ratio Lower Upper
180 100
182 106.0 49.9 149.6
145 25.8 11.7 35.1

