

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059585.D
 Acq On : 25 Jul 2018 13:08
 Operator : VA/AP
 Sample : VD0725SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

Quant Time: Jul 26 04:26:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	141684	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	181735	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.68	117	146280	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	77175	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	97112	54.52	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	5.52	113	84493	54.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.40%	
50) Toluene-d8	8.69	98	179629	50.80	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.93	95	81627	51.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.31	85	44018	25.27	ug/l	95
3) Chloromethane	1.46	50	18324	20.69	ug/l	98
4) Vinyl Chloride	1.53	62	18804	20.41	ug/l	98
5) Bromomethane	1.75	94	3847	21.76	ug/l #	76
6) Chloroethane	1.84	64	4204	15.59	ug/l	92
7) Trichlorofluoromethane	2.04	101	37729	24.00	ug/l	95
8) Diethyl Ether	2.31	74	5373	19.91	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	2.52	101	17913	21.62	ug/l	96
10) Methyl Iodide	2.66	142	22320	21.83	ug/l	97
11) Tert butyl alcohol	3.25	59	6923	97.42	ug/l #	80
12) 1,1-Dichloroethene	2.51	96	12873	21.44	ug/l	93
13) Acrolein	2.44	56	3938	107.57	ug/l	85
14) Allyl chloride	2.88	41	31147	21.39	ug/l	99
15) Acrylonitrile	3.33	53	16485	106.97	ug/l	93
16) Acetone	2.59	43	30182	112.20	ug/l	97
17) Carbon Disulfide	2.72	76	49235	20.64	ug/l	97
18) Methyl Acetate	2.90	43	10465	19.45	ug/l	99
19) Methyl tert-butyl Ether	3.38	73	50895	25.29	ug/l #	89
20) Methylene Chloride	3.03	84	17781	23.18	ug/l	85
21) trans-1,2-Dichloroethene	3.35	96	15341	23.69	ug/l	86
22) Diisopropyl ether	4.04	45	78134	20.41	ug/l	98
23) Vinyl Acetate	3.99	43	258875	106.54	ug/l	100
24) 1,1-Dichloroethane	3.94	63	51406	21.27	ug/l	98
25) 2-Butanone	4.80	43	39699	96.78	ug/l	99
26) 2,2-Dichloropropane	4.76	77	54274	21.93	ug/l	97
27) cis-1,2-Dichloroethene	4.77	96	28293	21.88	ug/l	90
28) Bromochloromethane	5.11	49	20597	21.54	ug/l	94
29) Tetrahydrofuran	5.16	42	17709	93.24	ug/l	95
30) Chloroform	5.29	83	60588	20.96	ug/l	98
31) Cyclohexane	5.56	56	34727	18.93	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	58572	20.93	ug/l	98
36) 1,1-Dichloropropene	5.72	75	40360	22.13	ug/l	95
37) Ethyl Acetate	4.90	43	20739	22.11	ug/l	97
38) Carbon Tetrachloride	5.70	117	57335	22.96	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	34022	20.29	ug/l	96
40) Benzene	5.99	78	77751	20.79	ug/l	100
41) Methacrylonitrile	5.10	41	9826	20.99	ug/l	93
42) 1,2-Dichloroethane	6.11	62	51368	22.80	ug/l	98
43) Isopropyl Acetate	7.60	43	25519	19.62	ug/l	97
44) Trichloroethene	6.96	130	28492	21.01	ug/l	95
45) 1,2-Dichloropropane	7.33	63	21450	20.48	ug/l	95
46) Dibromomethane	7.44	93	18478	20.87	ug/l	96
47) Bromodichloromethane	7.72	83	45946	21.73	ug/l	98
48) Methyl methacrylate	7.49	41	18592	21.55	ug/l	89
49) 1,4-Dioxane	7.48	88	3160	405.09	ug/l #	91
51) 4-Methyl-2-Pentanone	8.58	43	89929	103.53	ug/l	96
52) Toluene	8.79	92	50354	20.31	ug/l	96
53) t-1,3-Dichloropropene	9.17	75	40752	21.37	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	42303	22.34	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	19638	21.08	ug/l	96
56) Ethyl methacrylate	9.30	69	21752	20.58	ug/l	98
57) 1,3-Dichloropropane	9.65	76	30348	20.50	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.17	63	49690	100.05	ug/l	97
59) 2-Hexanone	9.77	43	70849	102.68	ug/l	98
60) Dibromochloromethane	9.95	129	32659	21.12	ug/l	99
61) 1,2-Dibromoethane	10.08	107	23143	20.96	ug/l	94
64) Tetrachloroethene	9.50	164	28003	21.12	ug/l	96
65) Chlorobenzene	10.72	112	66520	22.18	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	28341	21.73	ug/l	96
67) Ethyl Benzene	10.85	91	117905	22.87	ug/l	100
68) m/p-Xylenes	11.01	106	79390	46.12	ug/l	86
69) o-Xylene	11.39	106	36919	22.10	ug/l	92
70) Styrene	11.42	104	64070	23.13	ug/l	94
71) Bromoform	11.59	173	22811	21.48	ug/l	99
73) Isopropylbenzene	11.77	105	111957	20.53	ug/l	100
74) N-amyl acetate	11.64	43	36993	19.80	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	22529	20.24	ug/l	97
76) 1,2,3-Trichloropropane	12.10	75	28112	22.03	ug/l	97
77) Bromobenzene	12.03	156	33713	21.12	ug/l	87
78) n-propylbenzene	12.15	91	140602	21.23	ug/l	98
79) 2-Chlorotoluene	12.21	91	87723	22.21	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	92722	21.54	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	6381	19.56	ug/l	97
82) 4-Chlorotoluene	12.32	91	97181	21.76	ug/l	95
83) tert-Butylbenzene	12.57	119	101700	20.99	ug/l	90
84) 1,2,4-Trimethylbenzene	12.62	105	95697	20.91	ug/l	96
85) sec-Butylbenzene	12.75	105	107487	19.41	ug/l	100
86) p-Isopropyltoluene	12.88	119	95903	20.55	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	54193	20.08	ug/l	94
88) 1,4-Dichlorobenzene	12.92	146	53899	20.73	ug/l	96
89) n-Butylbenzene	13.19	91	93994	20.86	ug/l	98
90) Hexachloroethane	13.39	117	25937	20.80	ug/l	81
91) 1,2-Dichlorobenzene	13.18	146	46244	20.42	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	4599	20.49	ug/l	76

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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

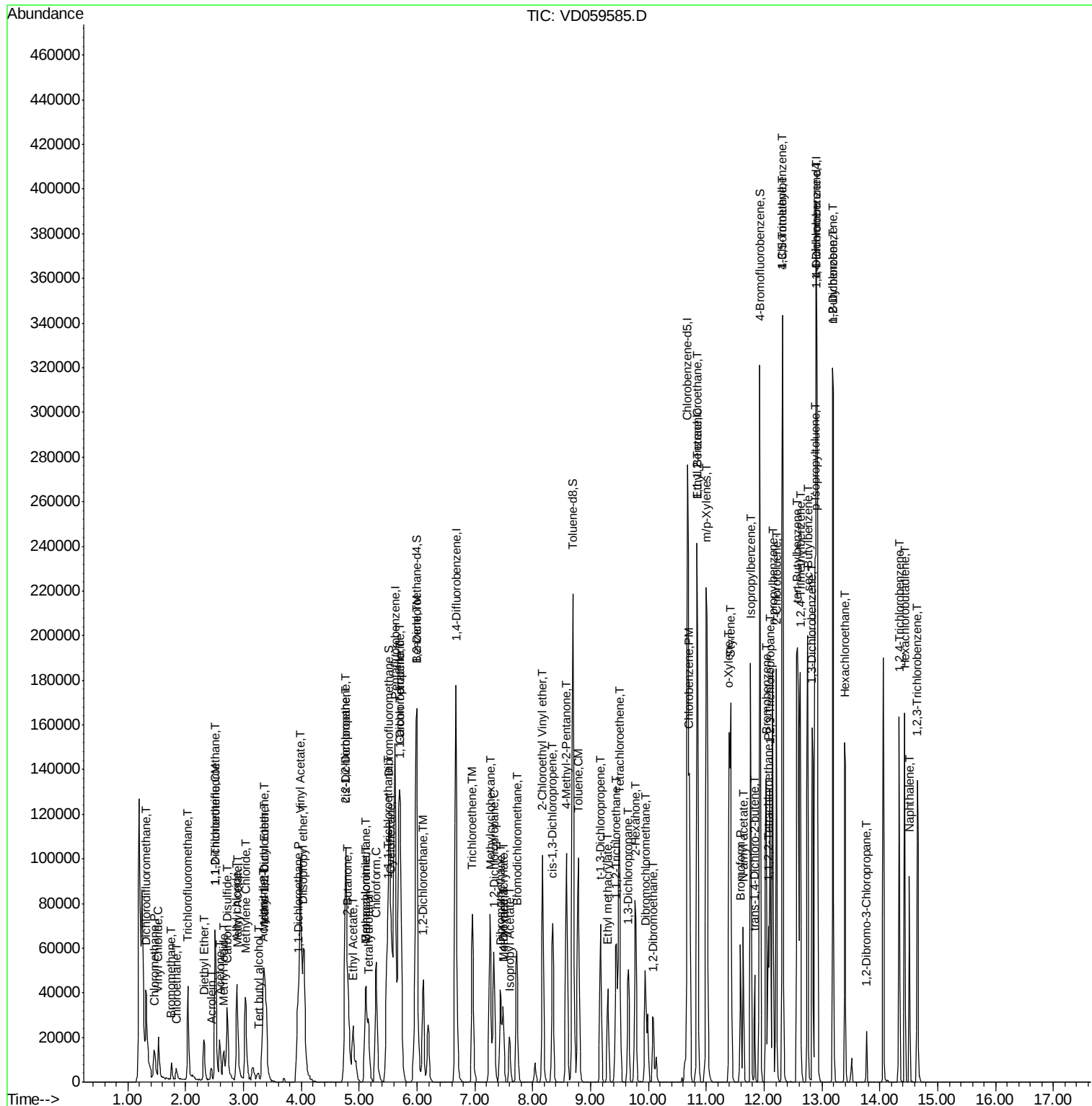
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	39163	20.88	ug/l	98
94) Hexachlorobutadiene	14.43	225	30621	20.70	ug/l	98
95) Naphthalene	14.51	128	52062	19.52	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	33817	19.93	ug/l	98

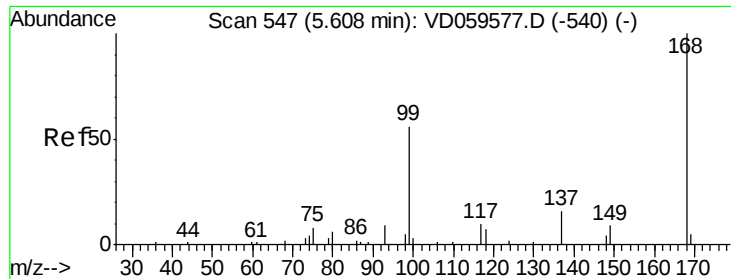
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

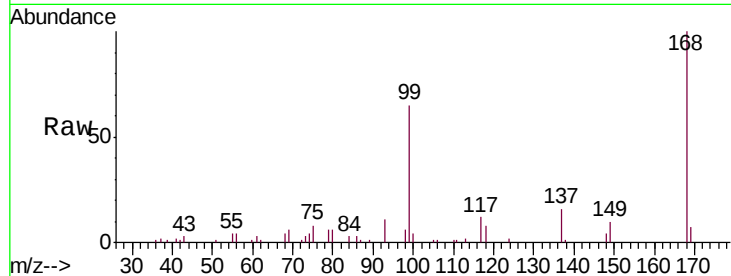
VD0725SBS01

Tot Ion:168 Resp: 141684

Ion Ratio Lower Upper

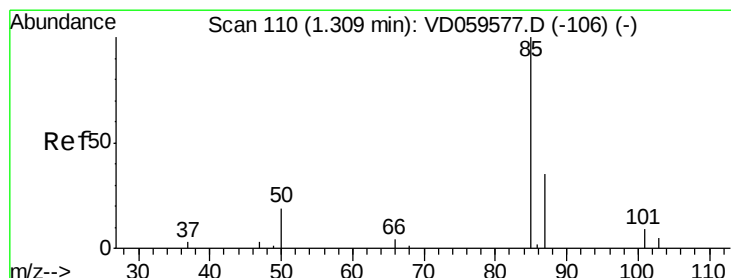
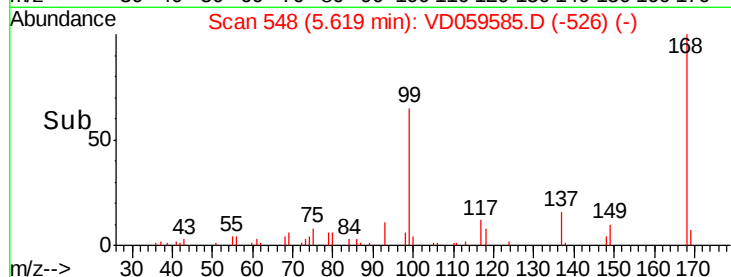
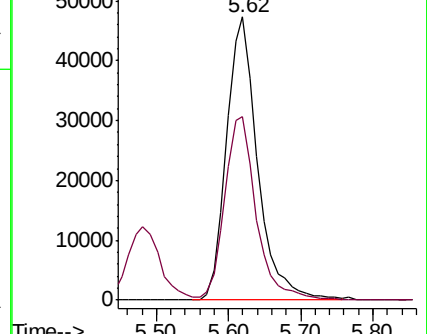
168 100

99 65.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 25.27 ug/l

RT: 1.31 min Scan# 110

Delta R.T. 0.00 min

Lab File: VD059585.D

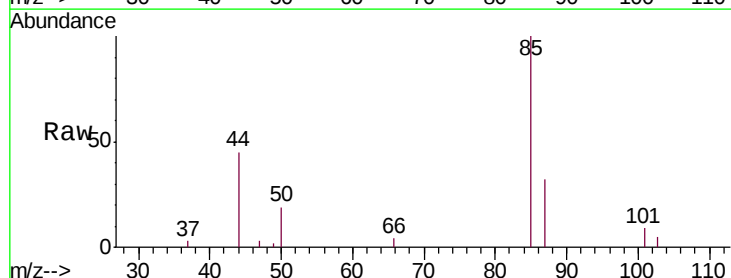
Acq: 25 Jul 2018 13:08

Tgt Ion: 85 Resp: 44018

Ion Ratio Lower Upper

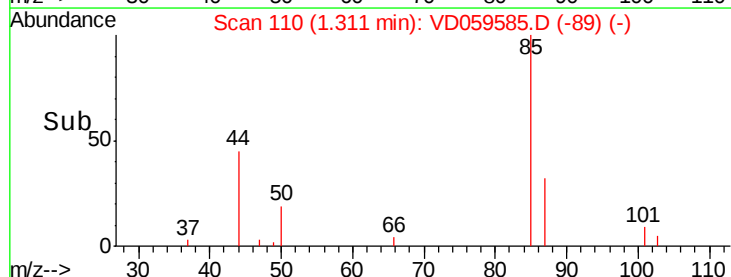
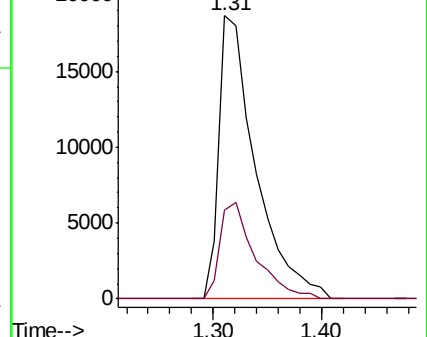
85 100

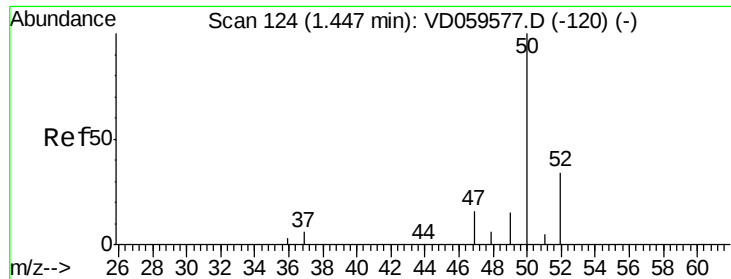
87 31.5 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

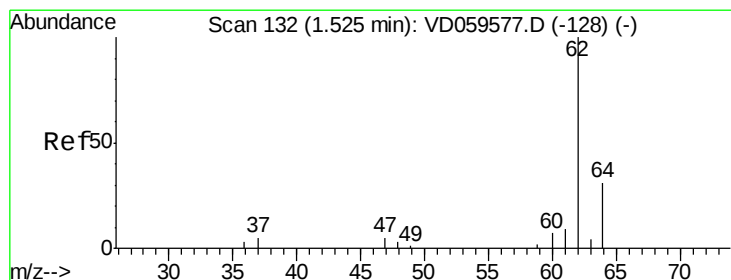
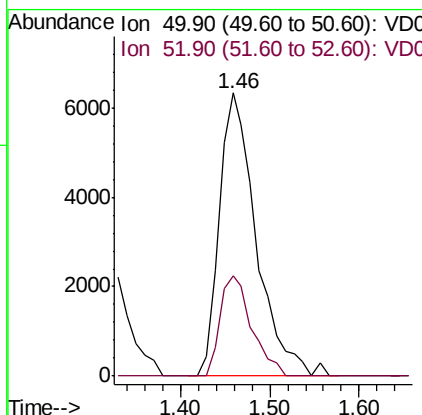
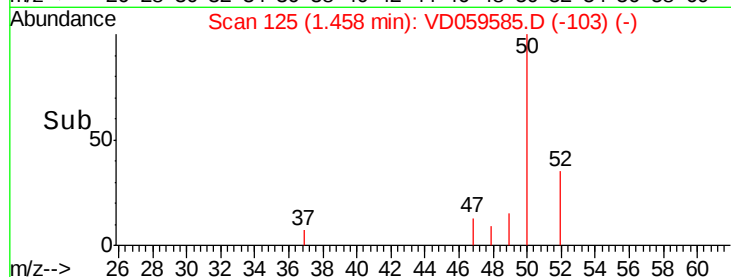
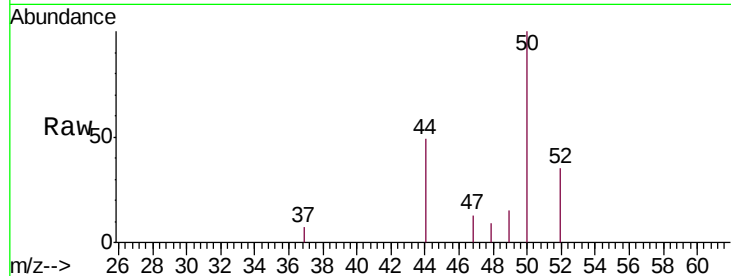




#3
 Chloromethane
 Concen: 20.69 ug/l
 RT: 1.46 min Scan# 125
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

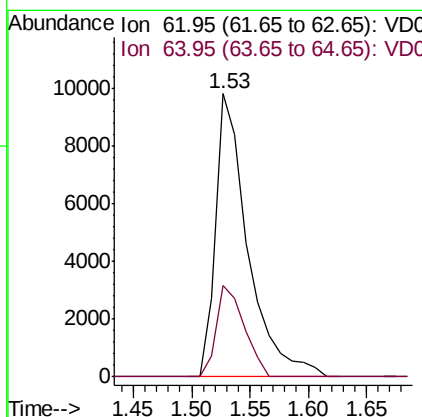
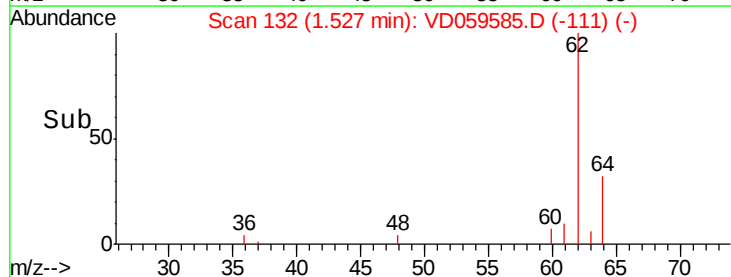
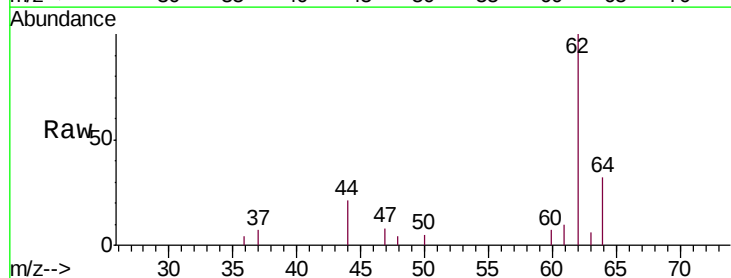
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

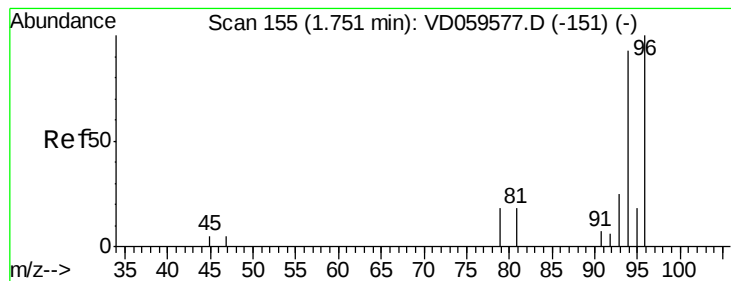
Tot Ion: 50 Resp: 18324
 Ion Ratio Lower Upper
 50 100
 52 35.3 27.3 40.9



#4
 Vinyl Chloride
 Concen: 20.41 ug/l
 RT: 1.53 min Scan# 132
 Delta R.T. 0.00 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Tgt Ion: 62 Resp: 18804
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.0 37.4





#5

Bromomethane

Concen: 21.76 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

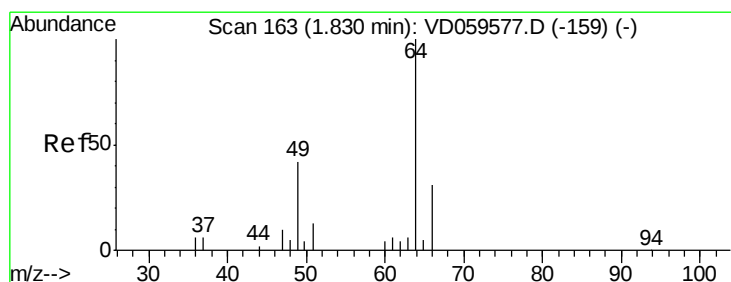
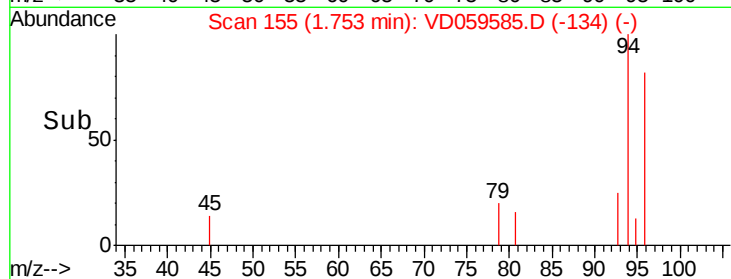
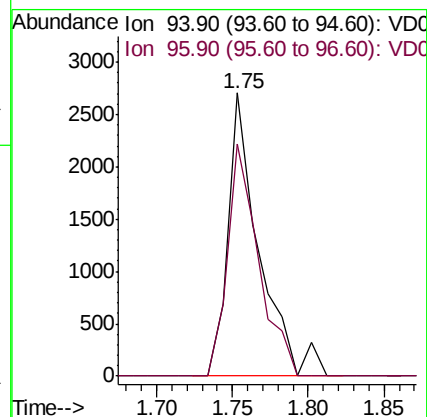
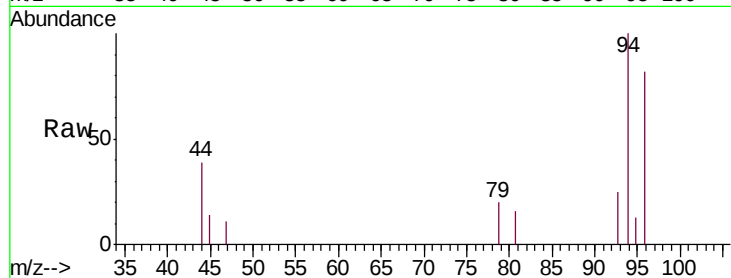
VD0725SBS01

Tot Ion: 94 Resp: 3847

Ion Ratio Lower Upper

94 100

96 82.3 86.2 129.2#



#6

Chloroethane

Concen: 15.59 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059585.D

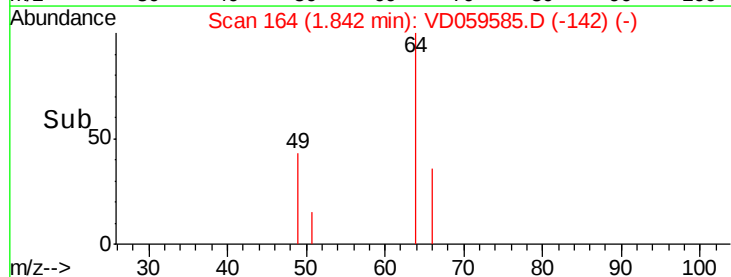
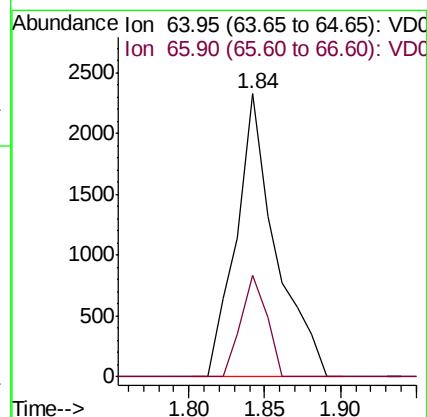
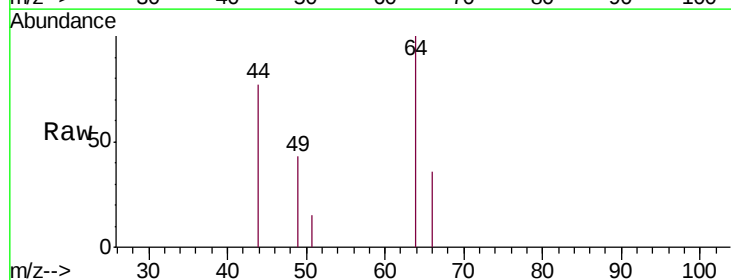
Acq: 25 Jul 2018 13:08

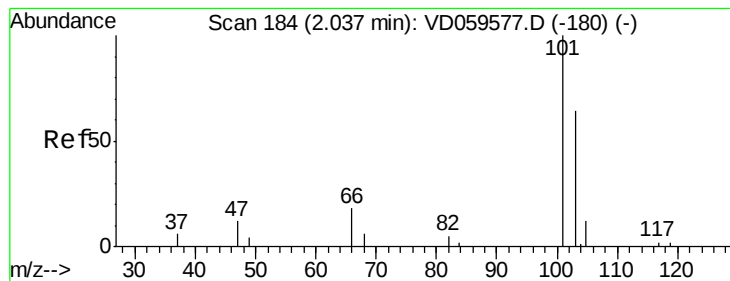
Tgt Ion: 64 Resp: 4204

Ion Ratio Lower Upper

64 100

66 35.7 25.2 37.8





#7

Trichlorofluoromethane

Concen: 24.00 ug/l

RT: 2.04 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

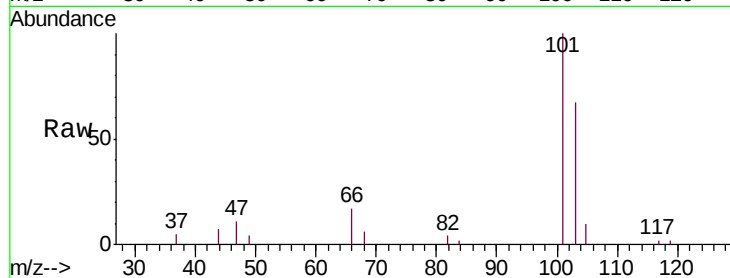
VD0725SBS01

Tot Ion:101 Resp: 37729

Ion Ratio Lower Upper

101 100

103 67.2 50.9 76.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

20000

15000

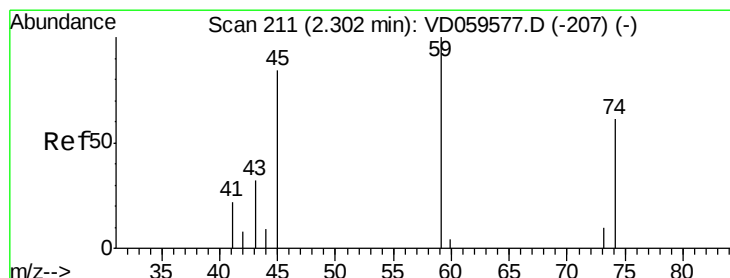
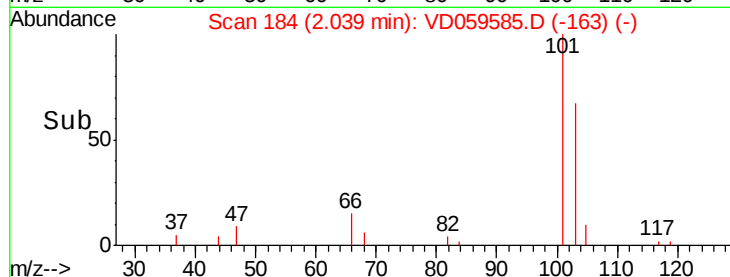
10000

5000

0

Time--> 1.90 2.00 2.10 2.20

2.04



#8

Diethyl Ether

Concen: 19.91 ug/l

RT: 2.31 min Scan# 212

Delta R.T. 0.01 min

Lab File: VD059585.D

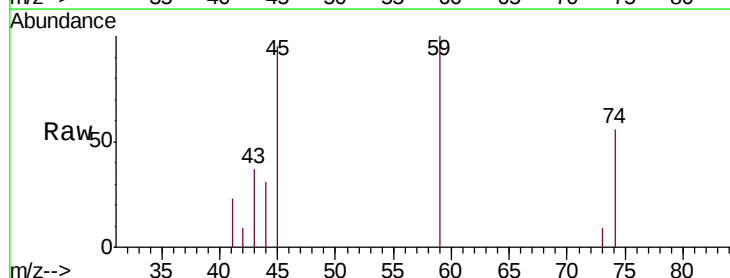
Acq: 25 Jul 2018 13:08

Tgt Ion: 74 Resp: 5373

Ion Ratio Lower Upper

74 100

45 169.3 69.0 207.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

6000

5000

4000

3000

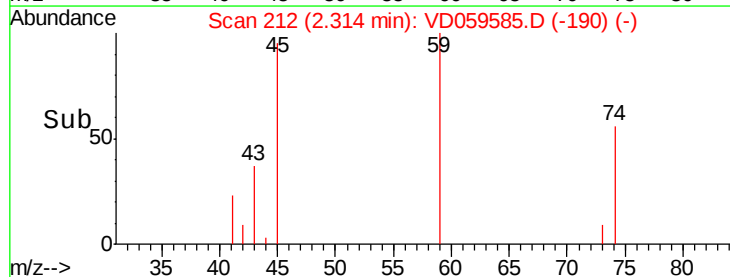
2000

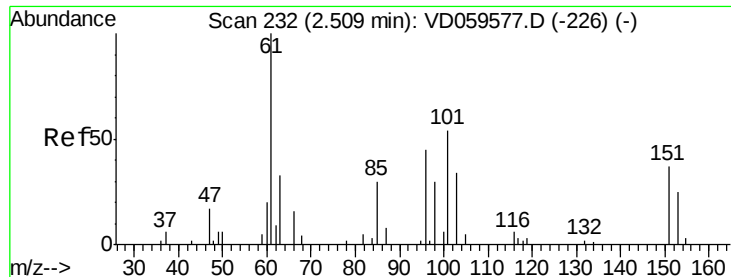
1000

0

Time--> 2.25 2.30 2.35

2.31





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.62 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

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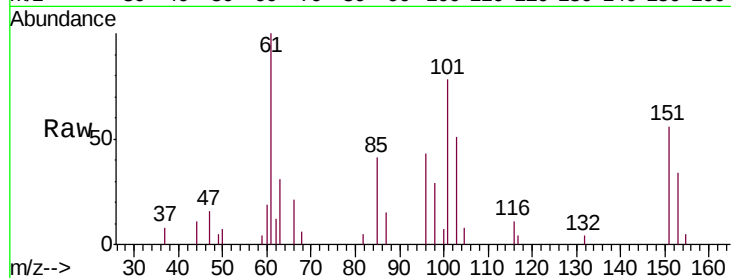
Tot Ion:101 Resp: 17913

Ion Ratio Lower Upper

101 100

85 53.2 44.5 66.7

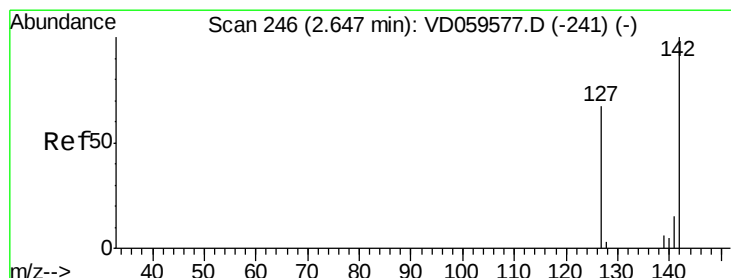
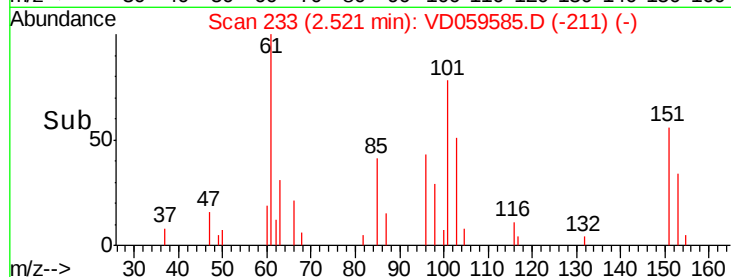
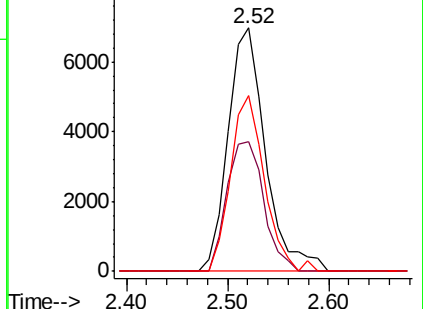
151 72.4 55.4 83.0



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: 21.83 ug/l

RT: 2.66 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

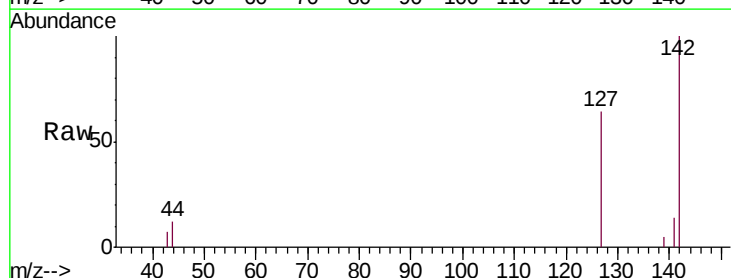
Tgt Ion:142 Resp: 22320

Ion Ratio Lower Upper

142 100

127 64.5 53.6 80.4

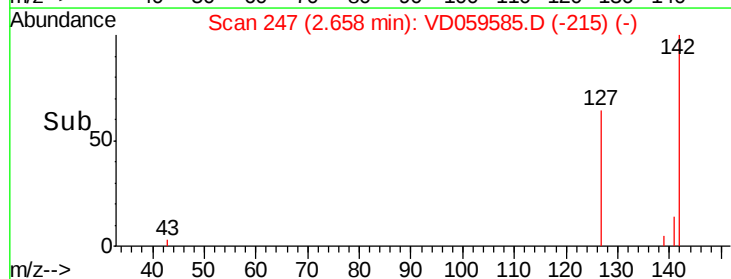
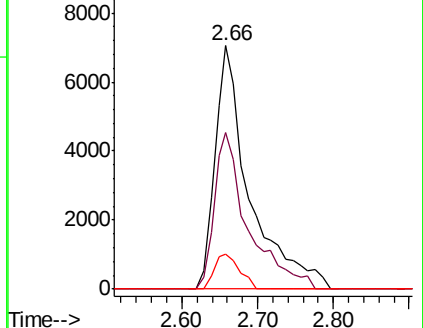
141 14.4 12.2 18.2

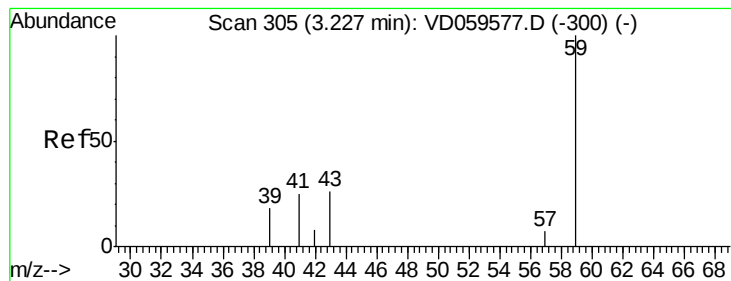


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



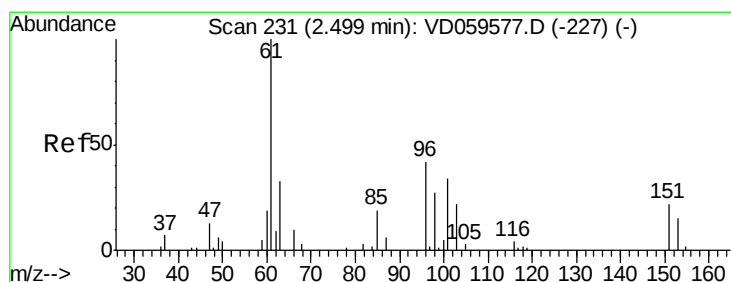
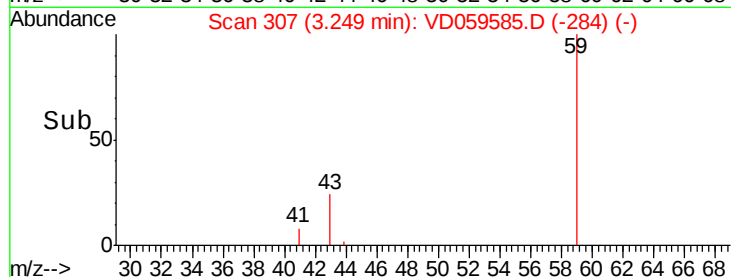
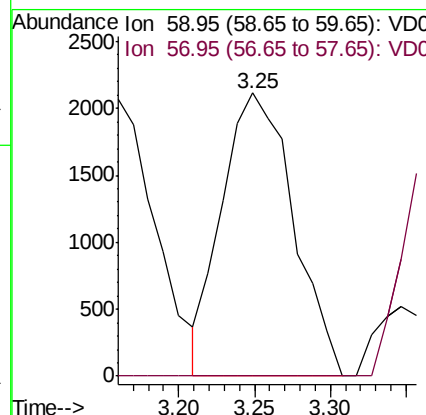
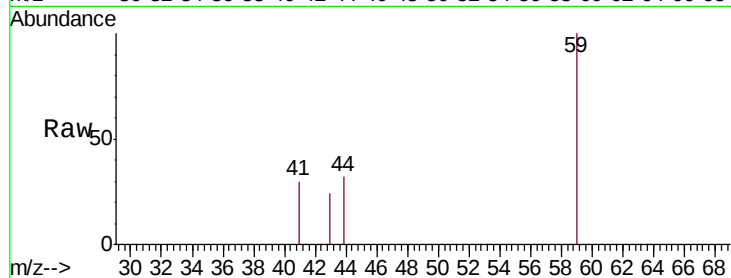


#11

Tert butyl alcohol
Concen: 97.42 ug/l
RT: 3.25 min Scan# 307
Delta R.T. 0.02 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

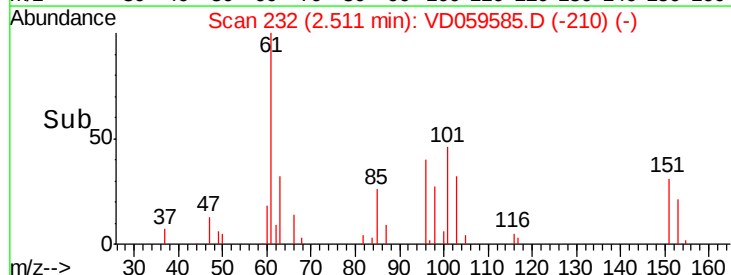
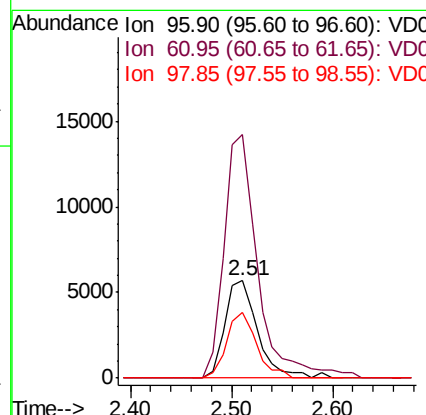
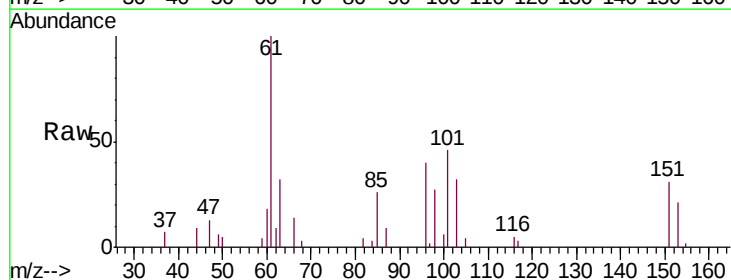
Tot Ion: 59 Resp: 6923
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#

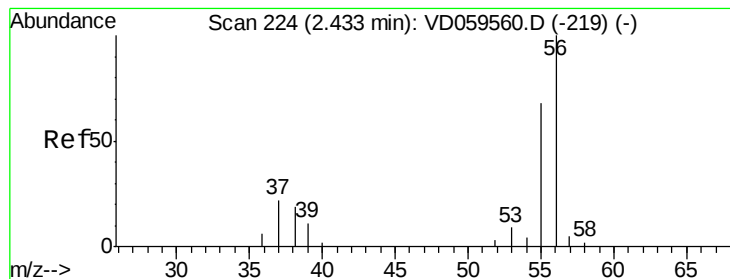


#12

1,1-Dichloroethene
Concen: 21.44 ug/l
RT: 2.51 min Scan# 232
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion: 96 Resp: 12873
Ion Ratio Lower Upper
96 100
61 249.6 188.8 283.2
98 67.2 51.4 77.2





#13

Acrolein

Concen: 107.57 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

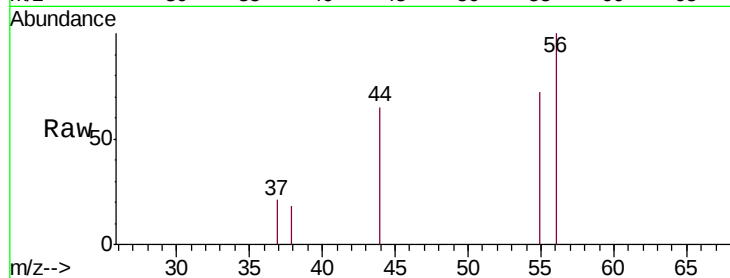
VD0725SBS01

Tot Ion: 56 Resp: 3938

Ion Ratio Lower Upper

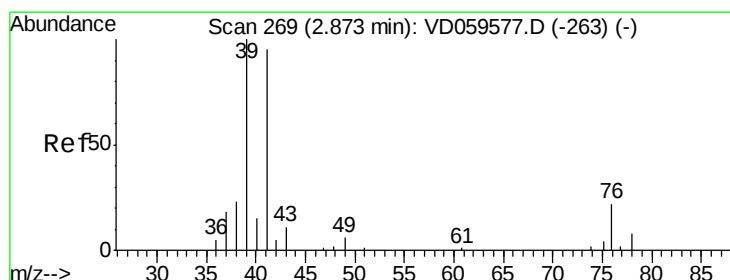
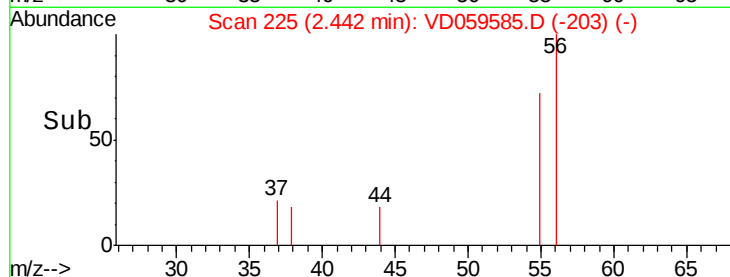
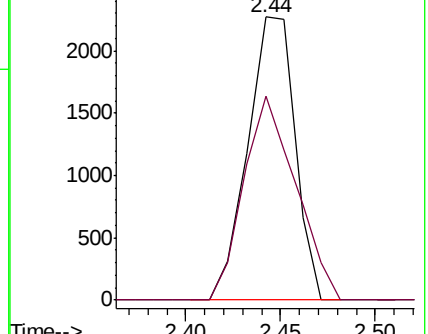
56 100

55 72.2 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.39 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

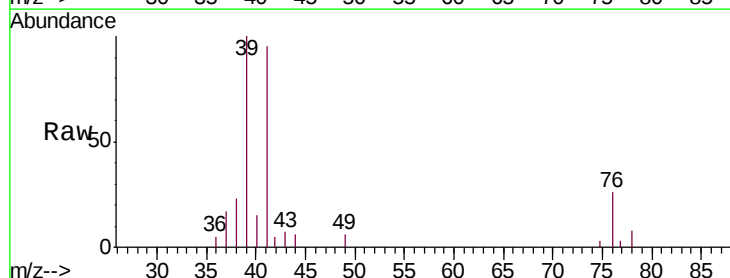
Tgt Ion: 41 Resp: 31147

Ion Ratio Lower Upper

41 100

39 105.4 83.8 125.8

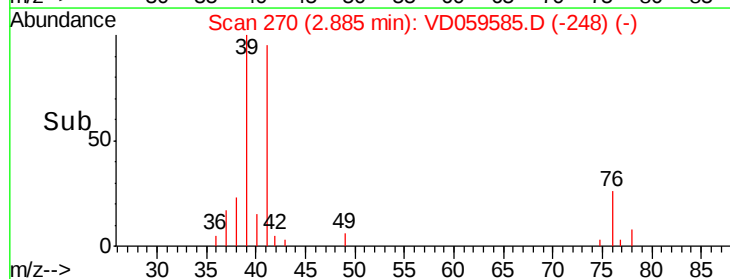
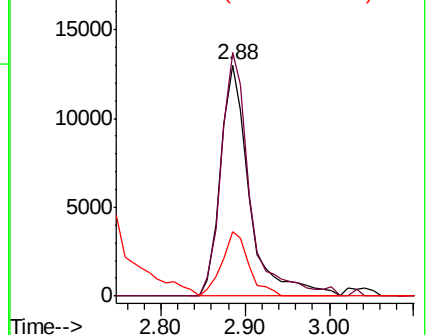
76 27.9 22.2 33.4

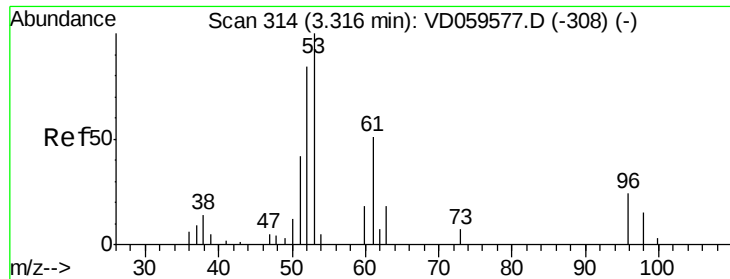


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.97 ug/l

RT: 3.33 min Scan# 315

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

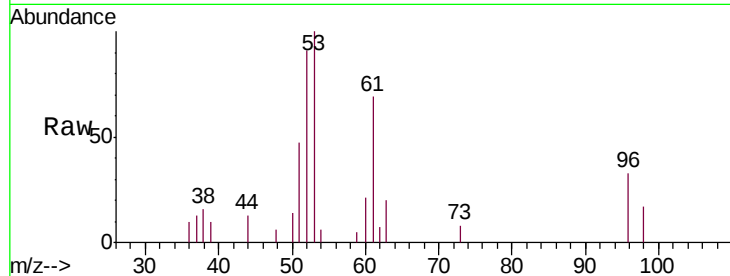
Tot Ion: 53 Resp: 16485

Ion Ratio Lower Upper

53 100

52 91.3 67.6 101.4

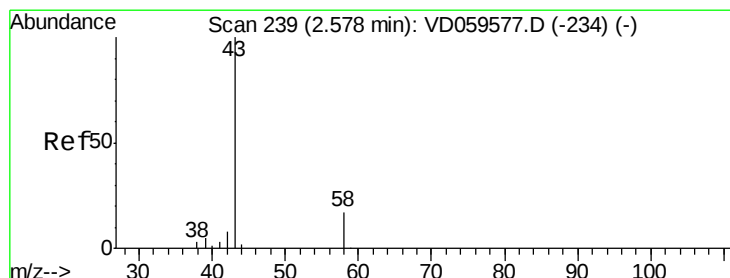
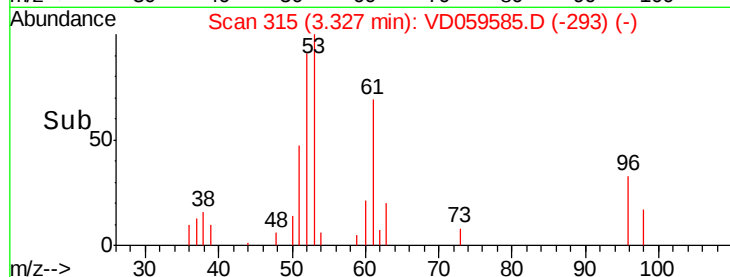
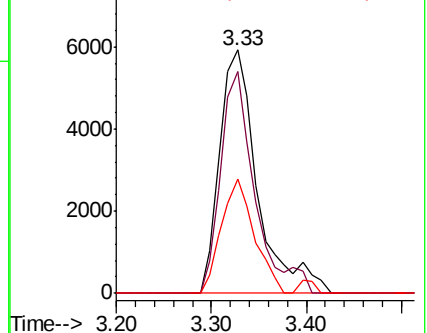
51 46.9 33.7 50.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 112.20 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059585.D

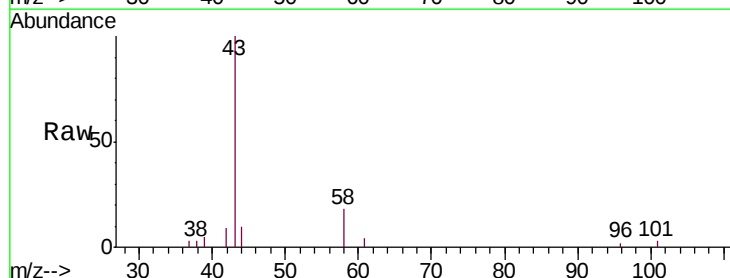
Acq: 25 Jul 2018 13:08

Tgt Ion: 43 Resp: 30182

Ion Ratio Lower Upper

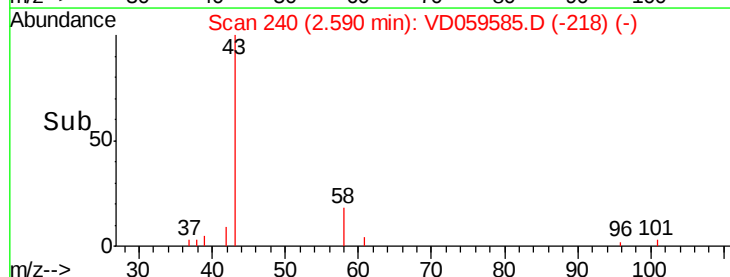
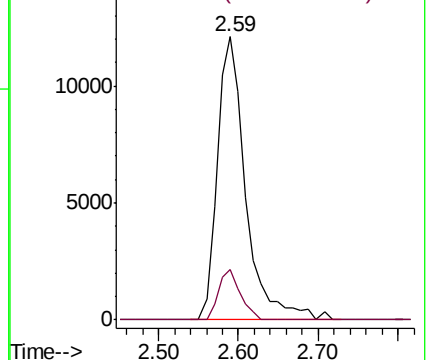
43 100

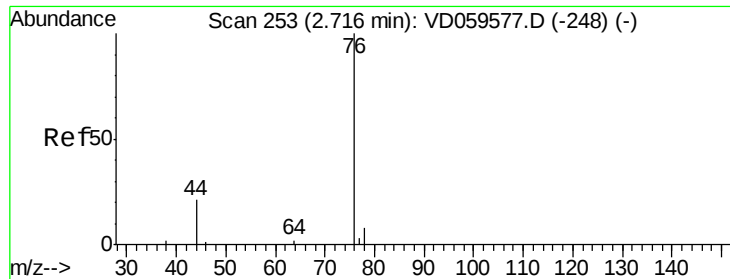
58 17.8 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

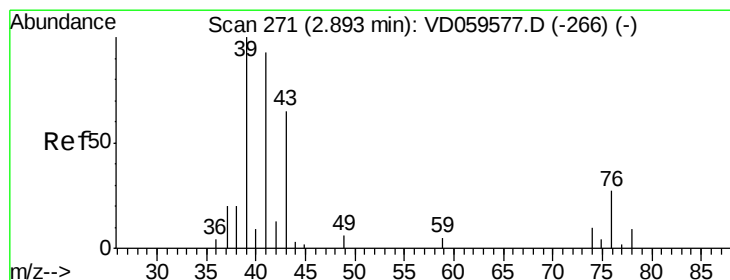
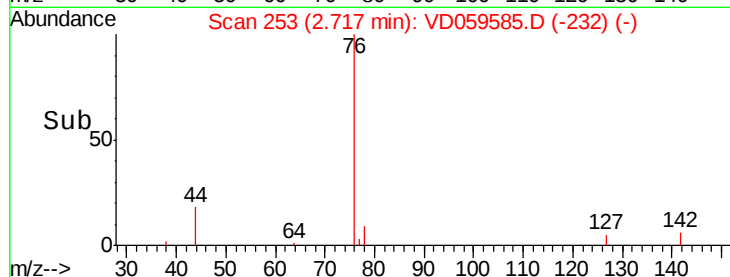
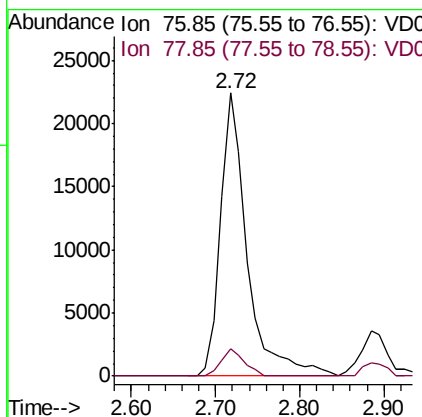
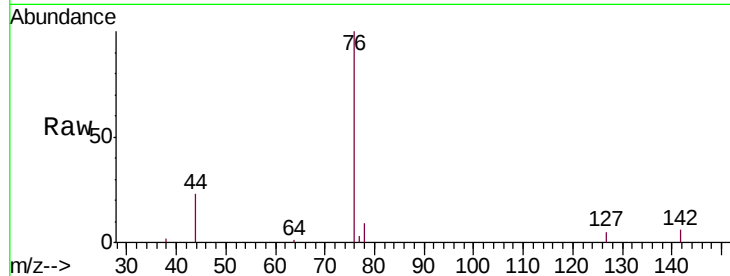




#17
Carbon Disulfide
Concen: 20.64 ug/l
RT: 2.72 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

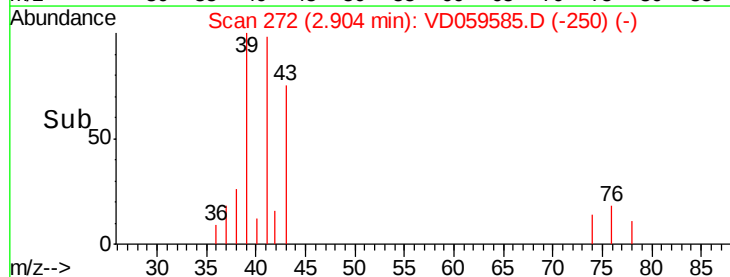
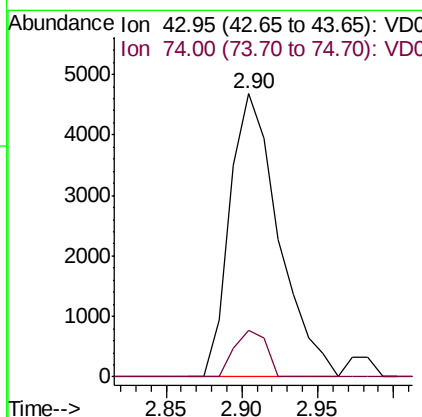
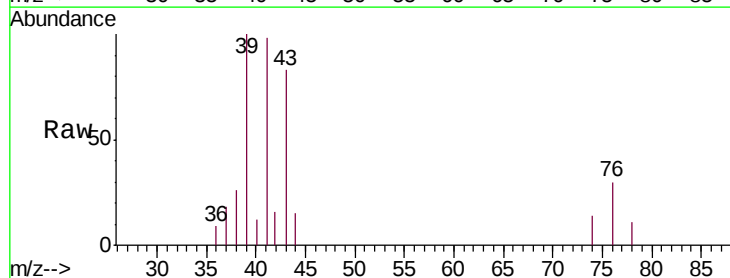
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

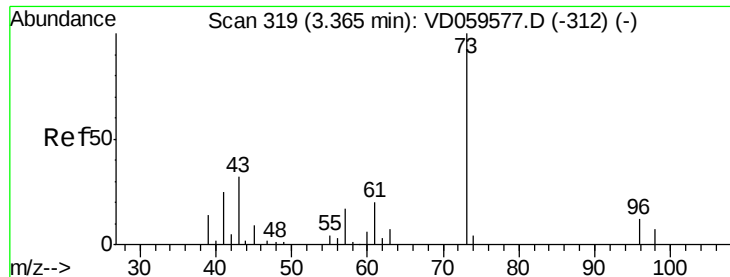
Tot Ion: 76 Resp: 49235
Ion Ratio Lower Upper
76 100
78 9.5 6.8 10.2



#18
Methyl Acetate
Concen: 19.45 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion: 43 Resp: 10465
Ion Ratio Lower Upper
43 100
74 16.4 13.0 19.4

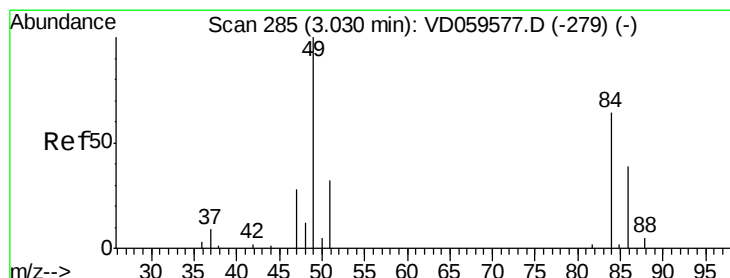
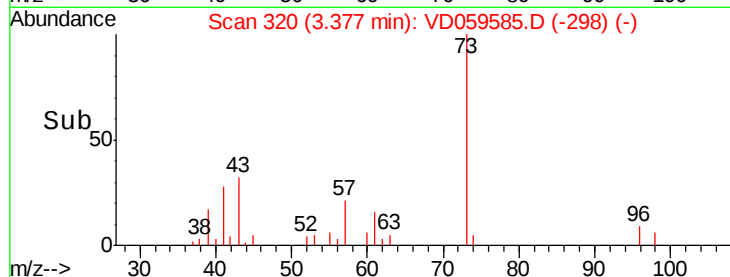
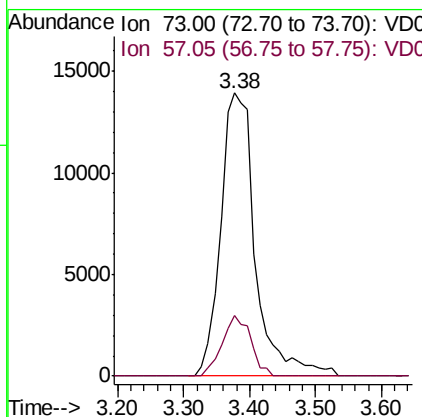
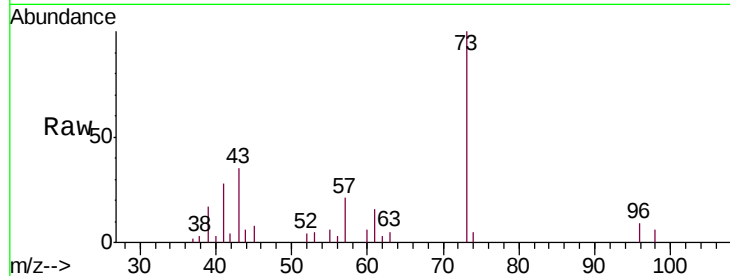




#19
Methyl tert-butyl Ether
Concen: 25.29 ug/l
RT: 3.38 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

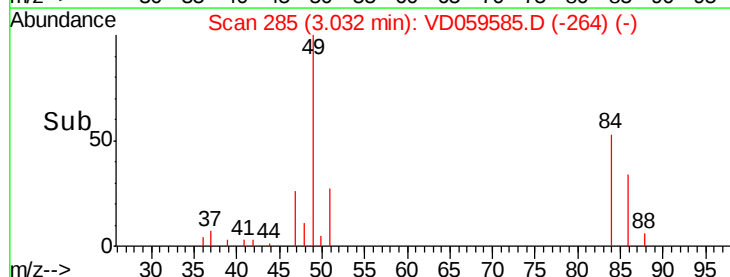
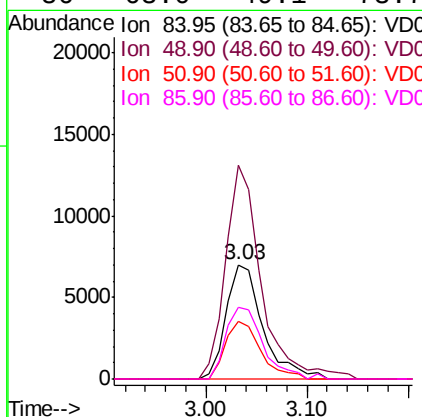
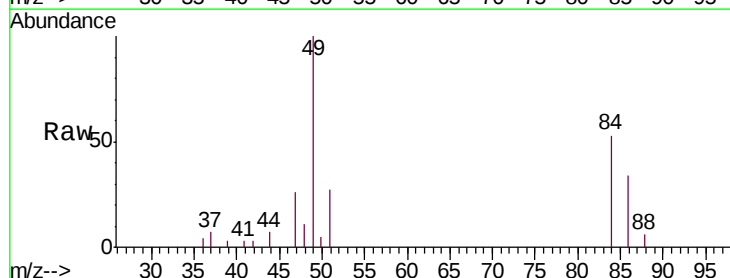
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

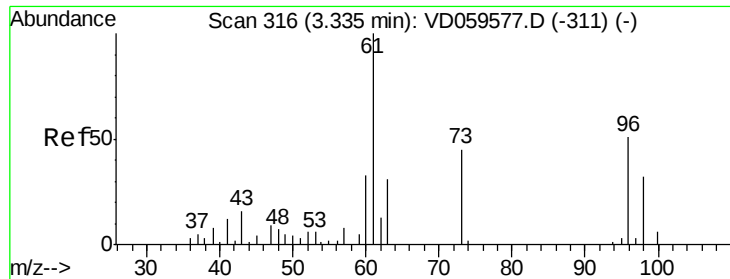
Tot Ion: 73 Resp: 50895
Ion Ratio Lower Upper
73 100
57 21.5 13.4 20.2#



#20
Methylene Chloride
Concen: 23.18 ug/l
RT: 3.03 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion: 84 Resp: 17781
Ion Ratio Lower Upper
84 100
49 187.5 125.4 188.2
51 51.0 39.7 59.5
86 63.0 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 23.69 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

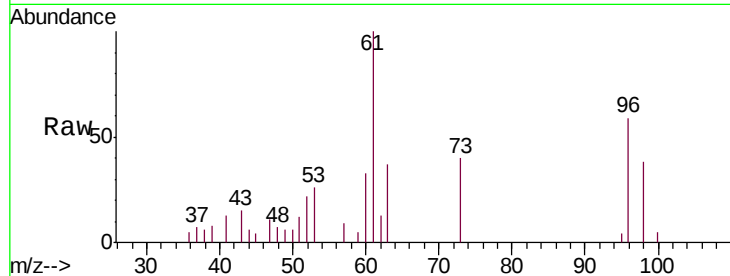
Tot Ion: 96 Resp: 15341

Ion Ratio Lower Upper

96 100

61 168.5 155.8 233.6

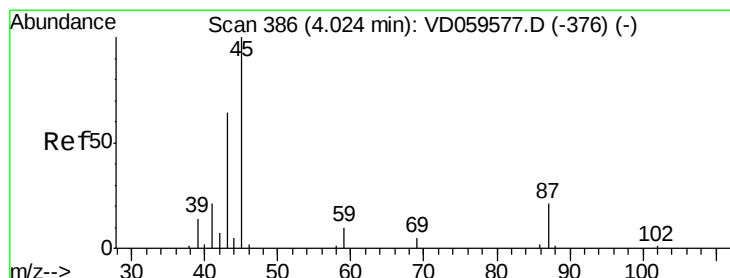
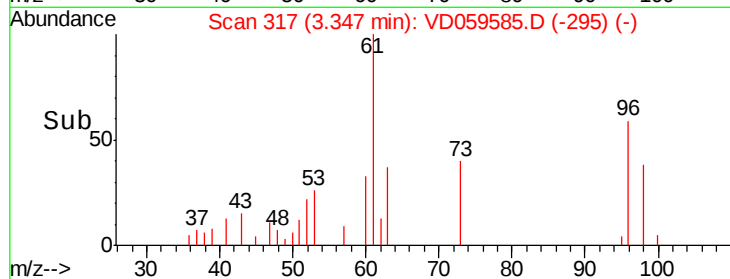
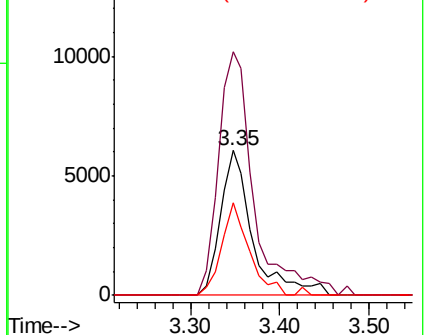
98 64.5 49.1 73.7



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.41 ug/l

RT: 4.04 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Tgt Ion: 45 Resp: 78134

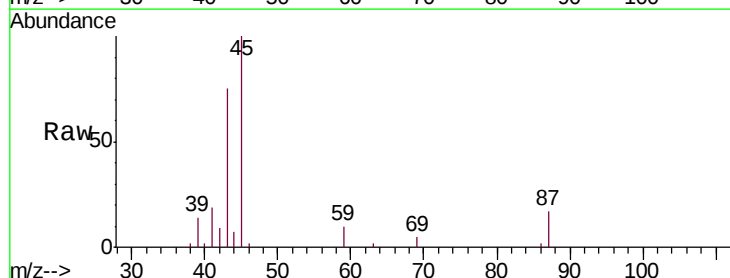
Ion Ratio Lower Upper

45 100

43 75.1 59.4 89.2

87 17.5 16.7 25.1

59 9.8 8.2 12.4

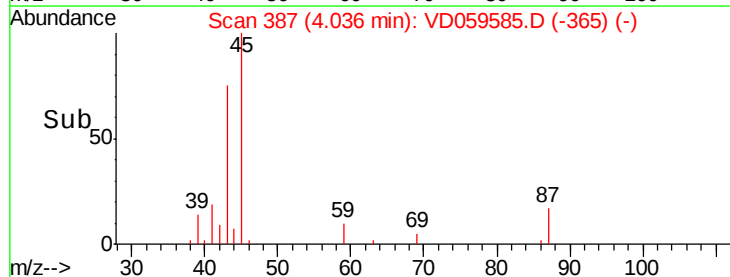
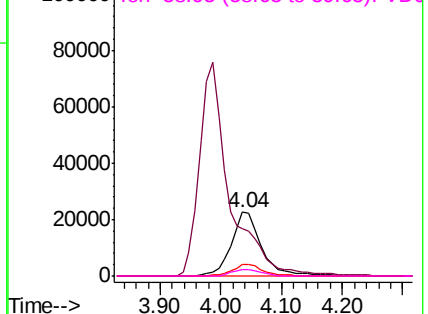


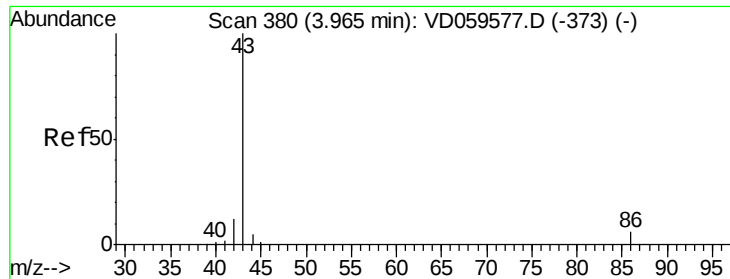
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

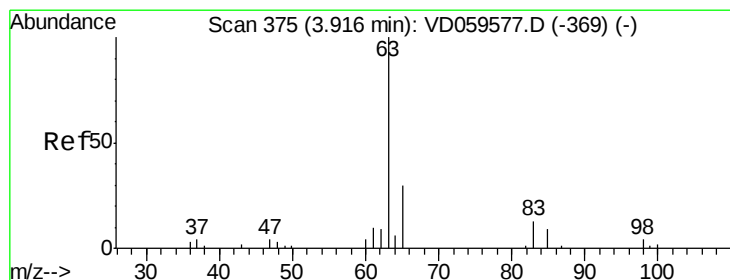
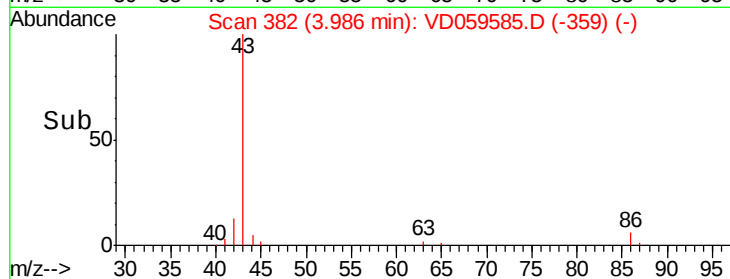
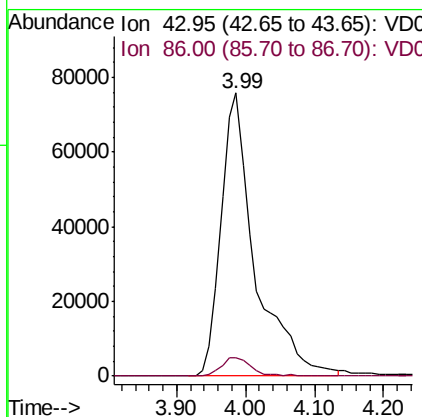
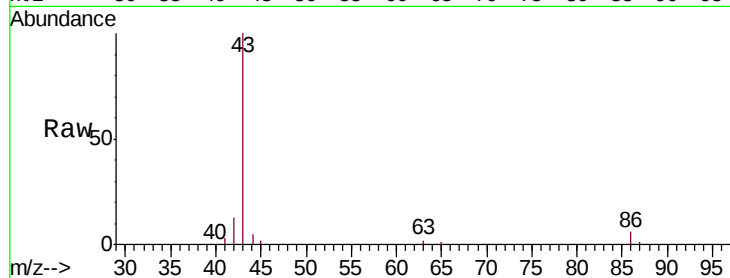




#23
 Vinyl Acetate
 Concen: 106.54 ug/l
 RT: 3.99 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

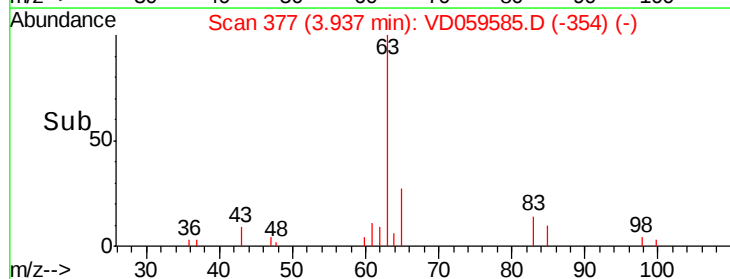
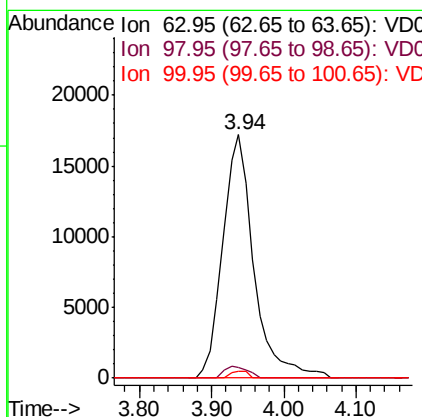
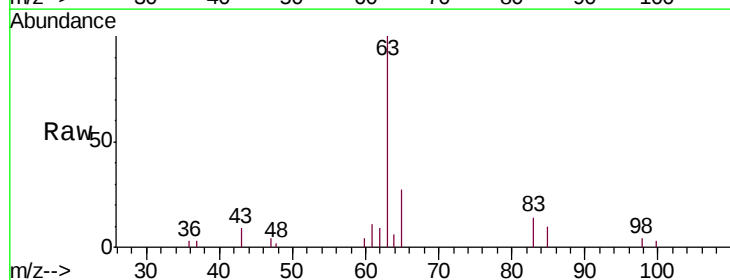
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

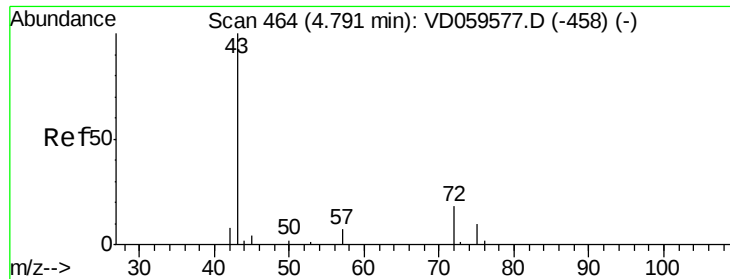
Tot Ion: 43 Resp: 258875
 Ion Ratio Lower Upper
 43 100
 86 6.4 5.1 7.7



#24
 1,1-Dichloroethane
 Concen: 21.27 ug/l
 RT: 3.94 min Scan# 377
 Delta R.T. 0.02 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Tgt Ion: 63 Resp: 51406
 Ion Ratio Lower Upper
 63 100
 98 4.3 1.8 5.5
 100 3.0 1.1 3.3





#25

2-Butanone

Concen: 96.78 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

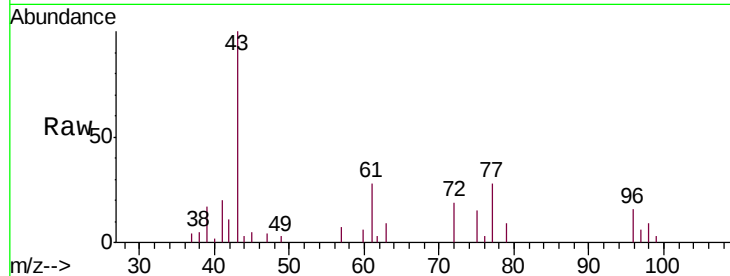
VD0725SBS01

Tot Ion: 43 Resp: 39699

Ion Ratio Lower Upper

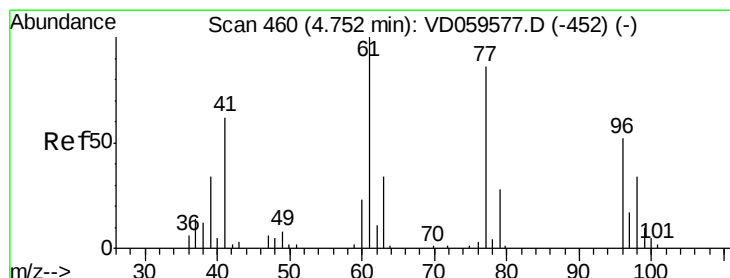
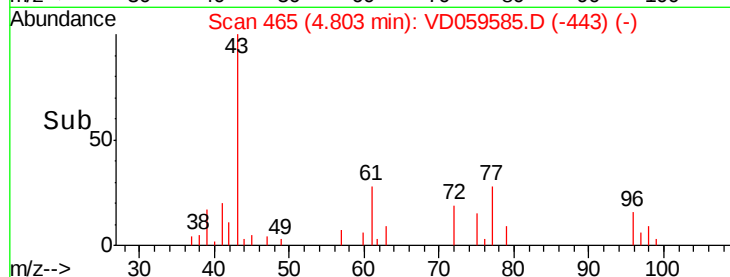
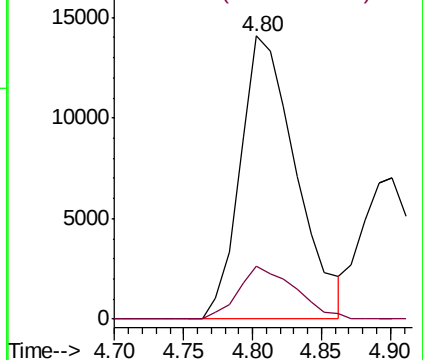
43 100

72 18.7 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.93 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.01 min

Lab File: VD059585.D

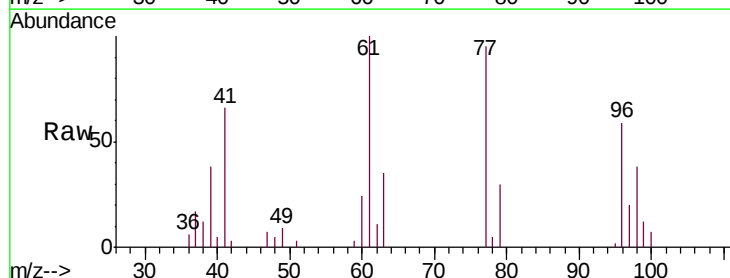
Acq: 25 Jul 2018 13:08

Tgt Ion: 77 Resp: 54274

Ion Ratio Lower Upper

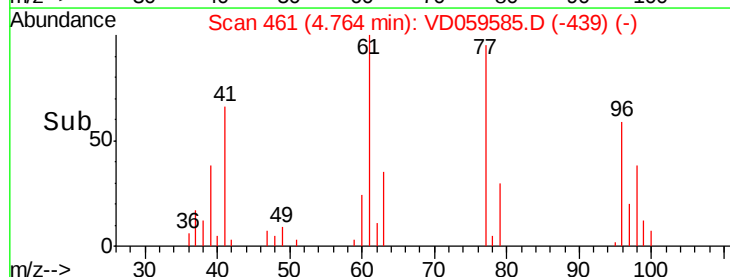
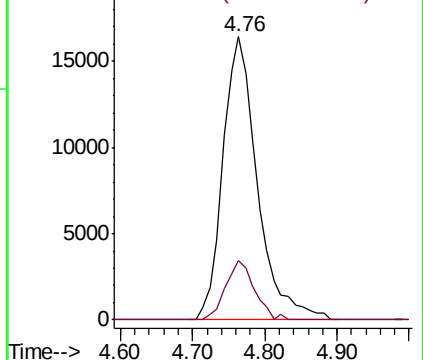
77 100

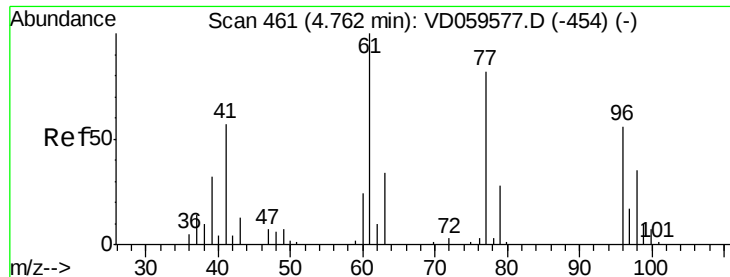
97 20.9 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 21.88 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

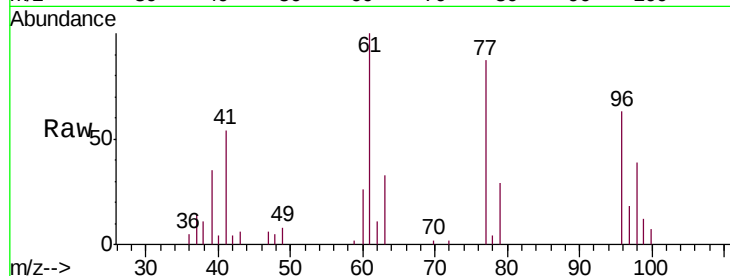
Tot Ion: 96 Resp: 28293

Ion Ratio Lower Upper

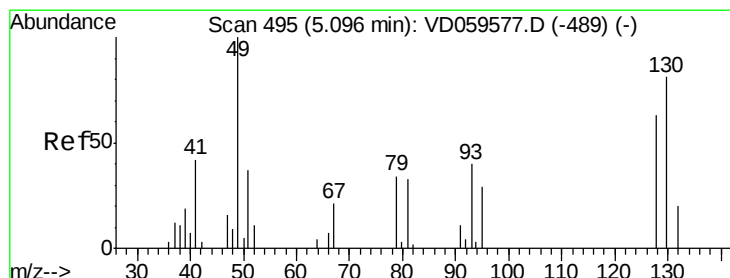
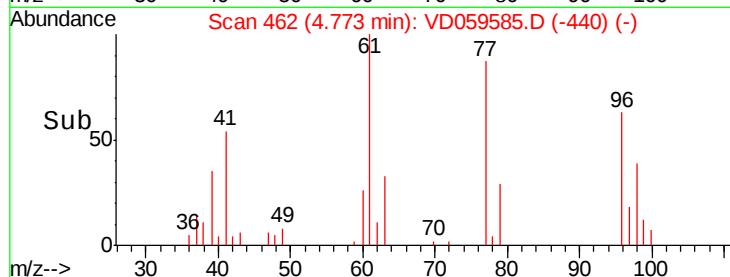
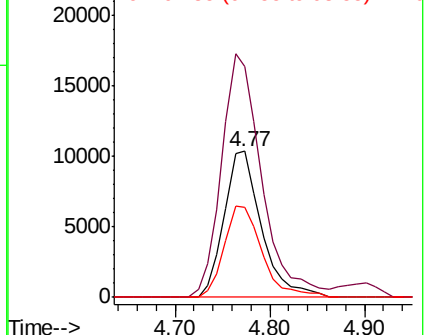
96 100

61 158.4 0.0 355.0

98 61.6 0.0 125.8



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



#28

Bromochloromethane

Concen: 21.54 ug/l

RT: 5.11 min Scan# 496

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

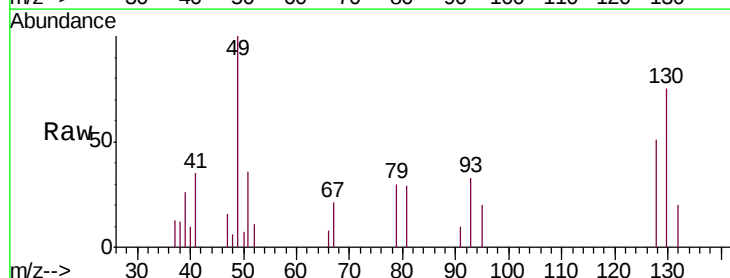
Tgt Ion: 49 Resp: 20597

Ion Ratio Lower Upper

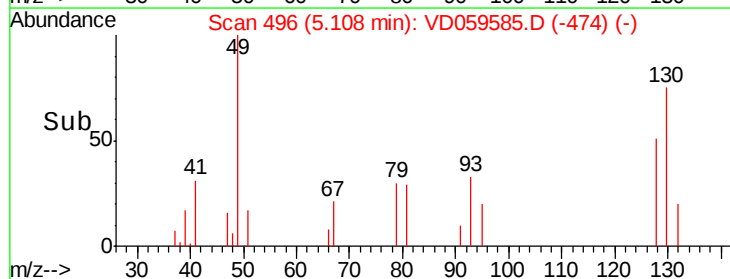
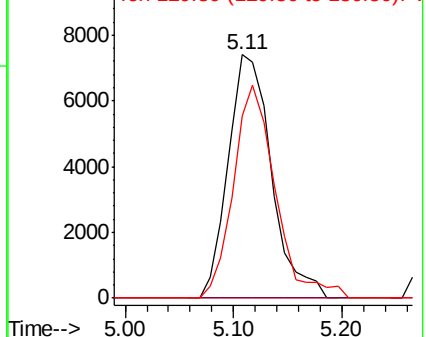
49 100

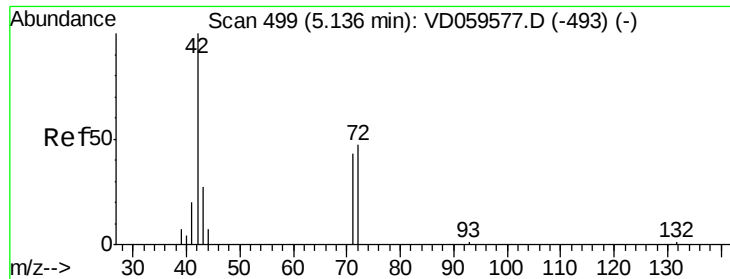
129 0.0 0.0 0.0

130 74.9 64.6 96.8



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





#29

Tetrahydrofuran

Concen: 93.24 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.02 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

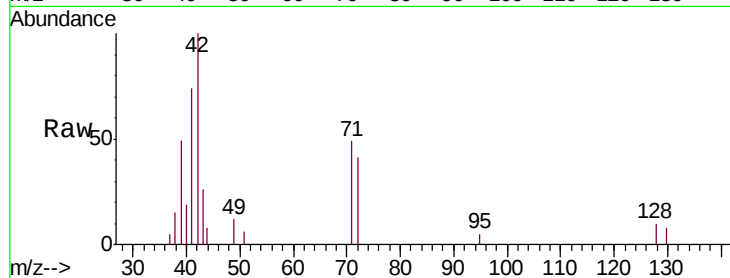
Tot Ion: 42 Resp: 17709

Ion Ratio Lower Upper

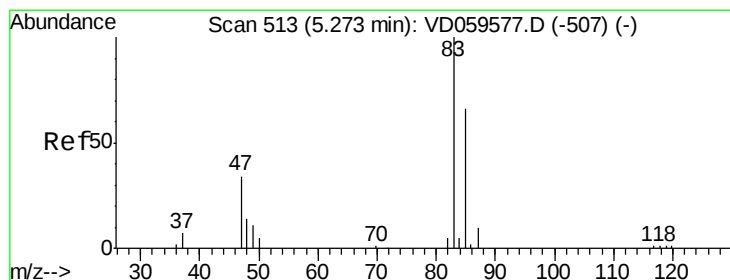
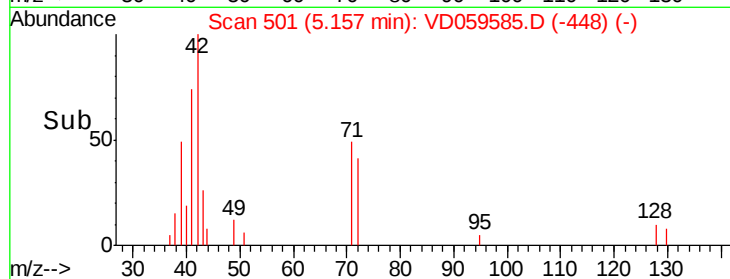
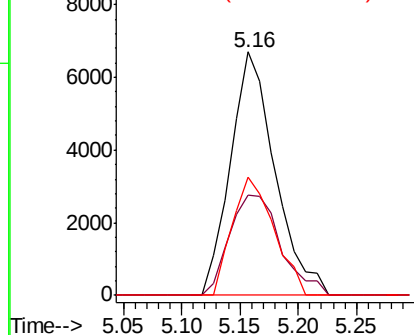
42 100

72 47.5 35.0 52.4

71 45.7 34.2 51.2



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.96 ug/l

RT: 5.29 min Scan# 515

Delta R.T. 0.02 min

Lab File: VD059585.D

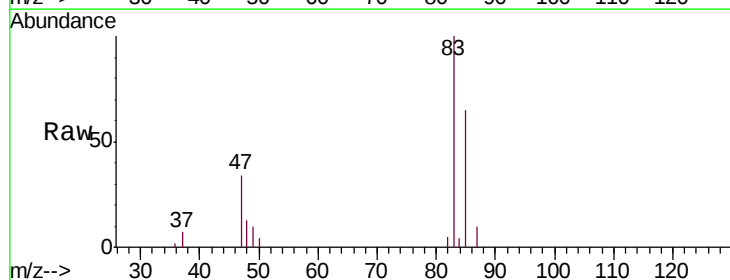
Acq: 25 Jul 2018 13:08

Tgt Ion: 83 Resp: 60588

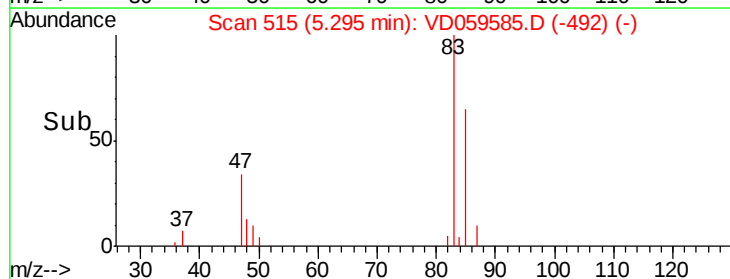
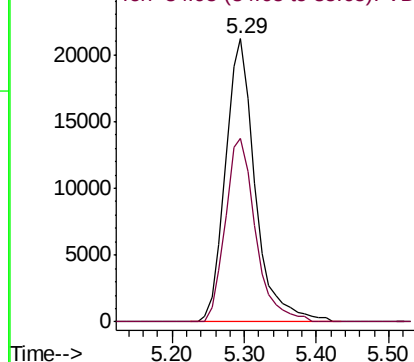
Ion Ratio Lower Upper

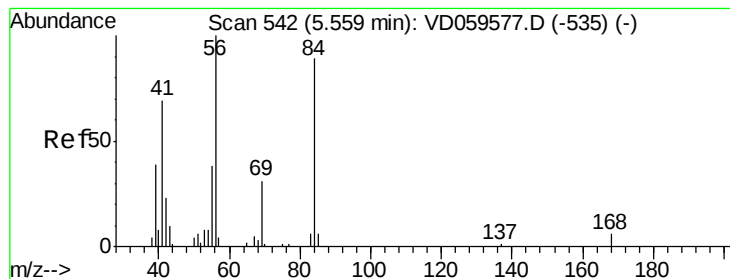
83 100

85 65.0 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 18.93 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

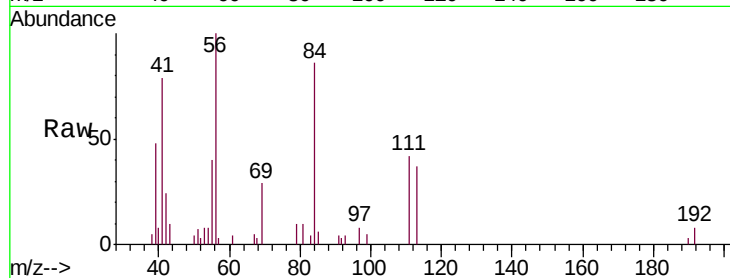
Tot Ion: 56 Resp: 34727

Ion Ratio Lower Upper

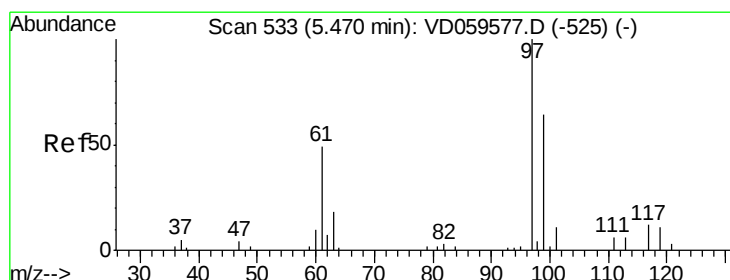
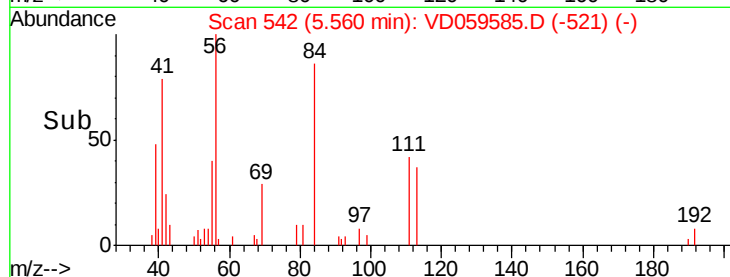
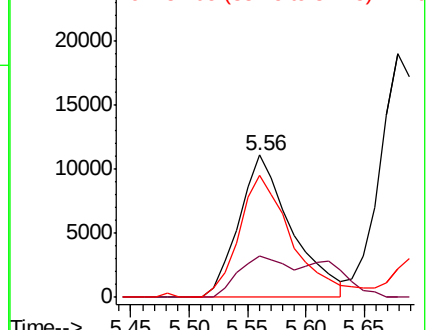
56 100

69 29.0 24.6 37.0

84 86.3 72.7 109.1



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: 20.93 ug/l

RT: 5.48 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

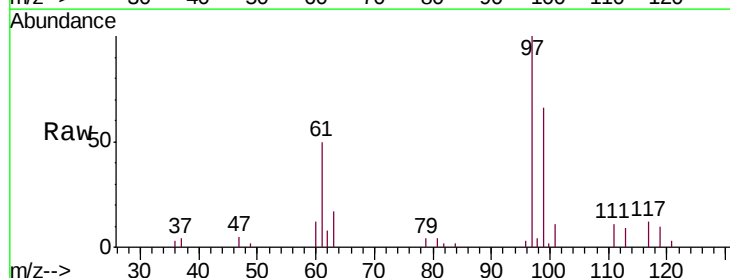
Tgt Ion: 97 Resp: 58572

Ion Ratio Lower Upper

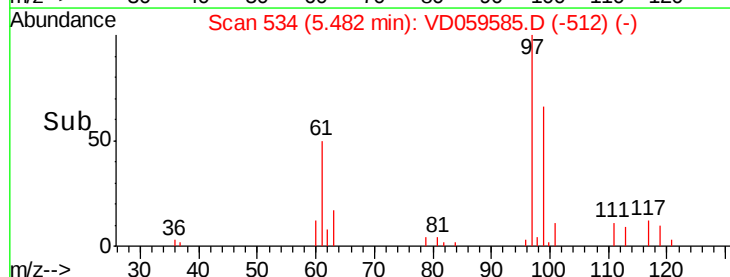
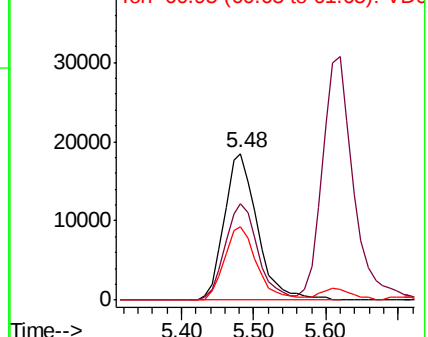
97 100

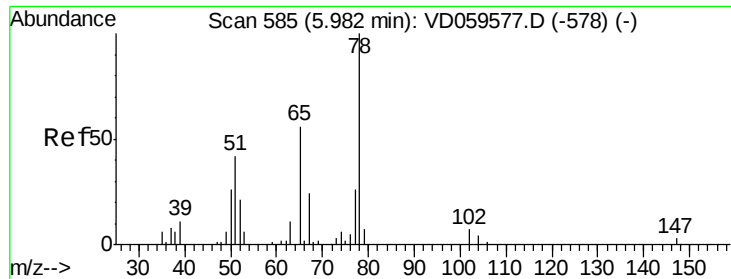
99 65.7 50.9 76.3

61 50.3 39.2 58.8



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

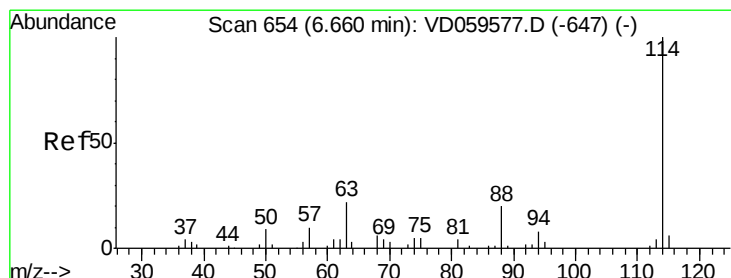
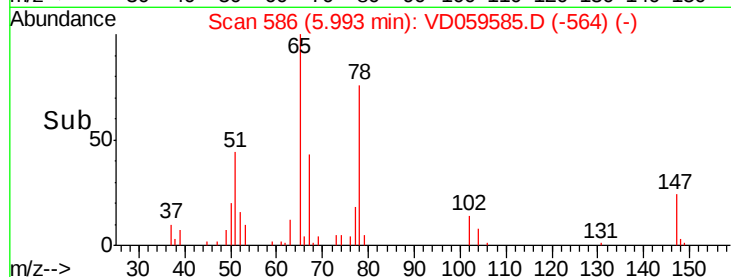
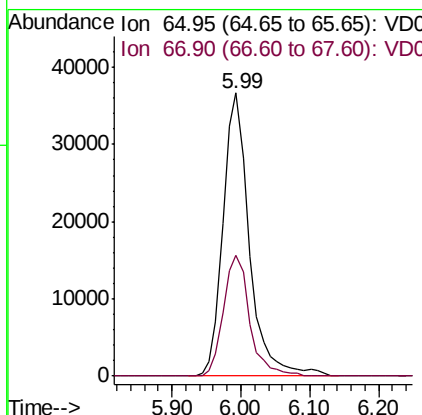
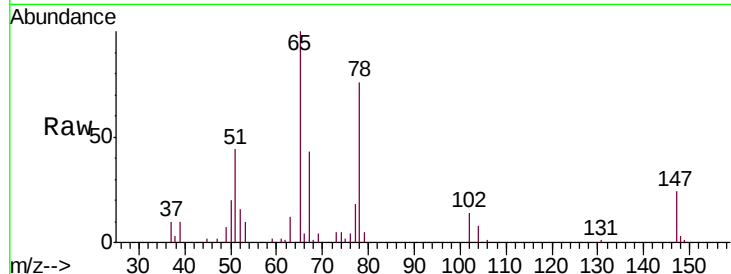




#33
 1,2-Dichloroethane-d4
 Concen: 20.93 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

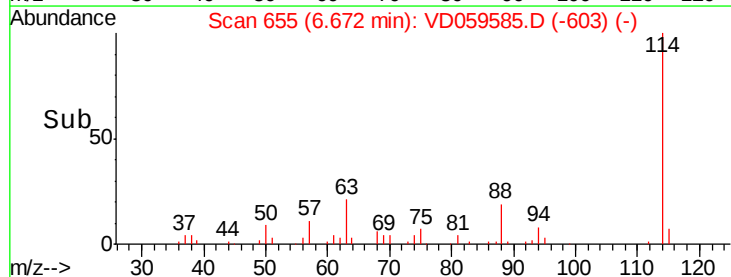
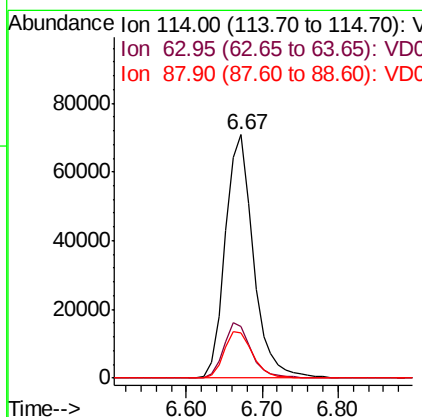
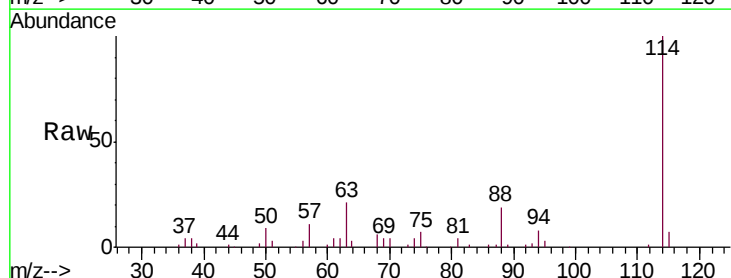
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

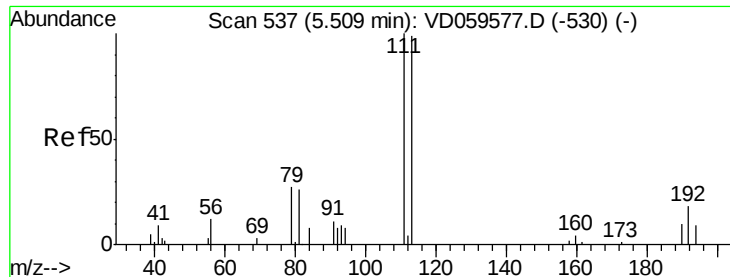
Tot Ion: 65 Resp: 97112
 Ion Ratio Lower Upper
 65 100
 67 42.6 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Tgt Ion: 114 Resp: 181735
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.8
 88 18.6 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

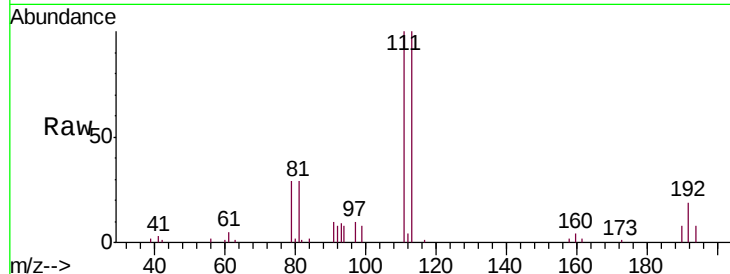
Tot Ion:113 Resp: 84493

Ion Ratio Lower Upper

113 100

111 100.1 80.5 120.7

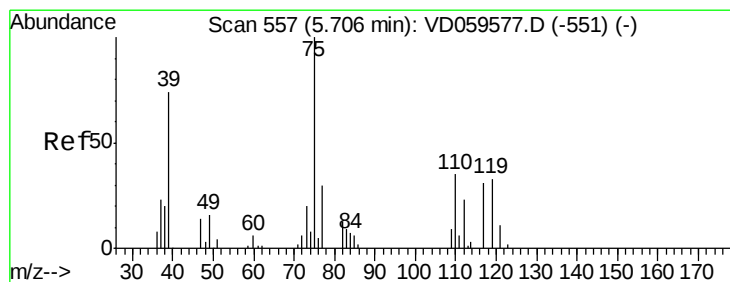
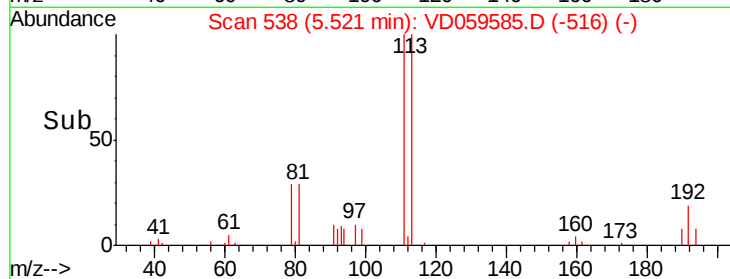
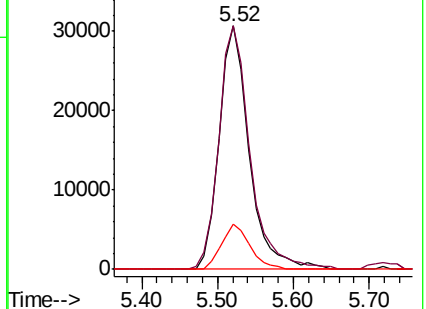
192 18.6 14.5 21.7



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: 22.13 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

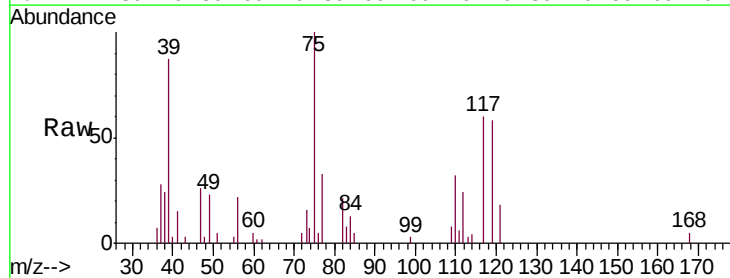
Tgt Ion: 75 Resp: 40360

Ion Ratio Lower Upper

75 100

110 31.6 17.0 50.9

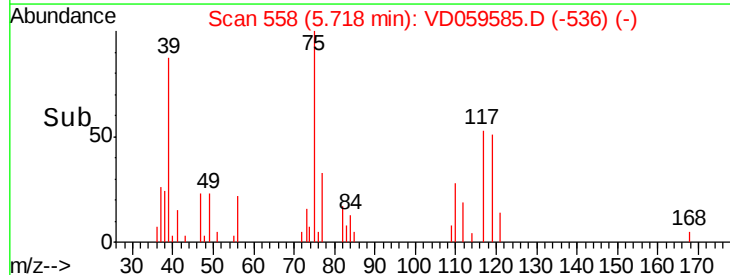
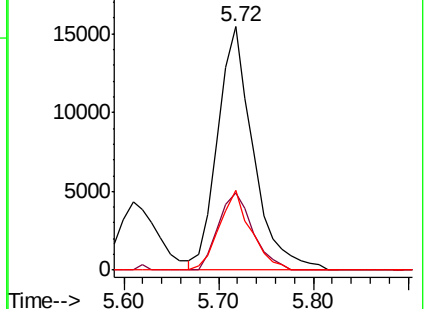
77 32.6 23.6 35.4

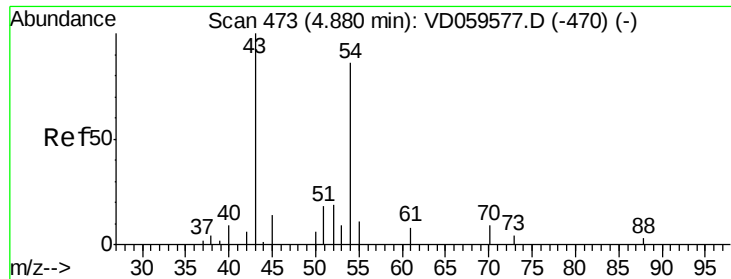


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 22.11 ug/l

RT: 4.90 min Scan# 475

Delta R.T. 0.02 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

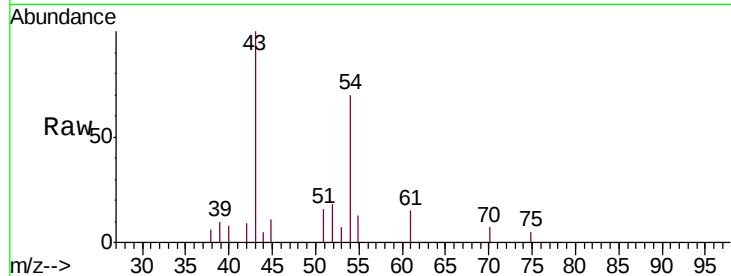
Tot Ion: 43 Resp: 20739

Ion Ratio Lower Upper

43 100

61 14.5 10.7 16.1

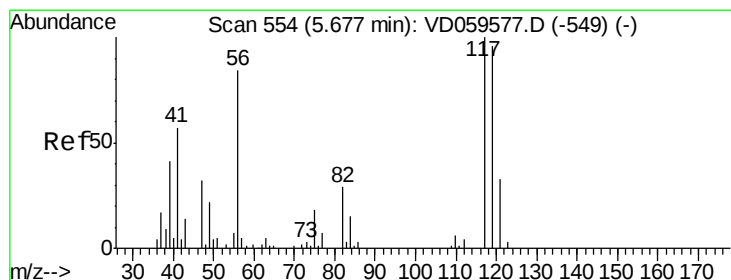
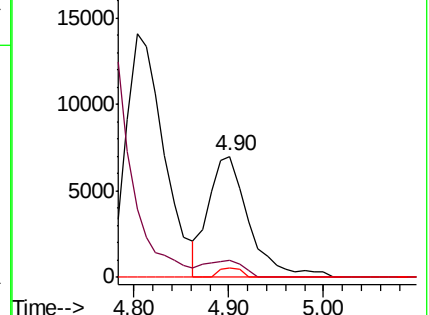
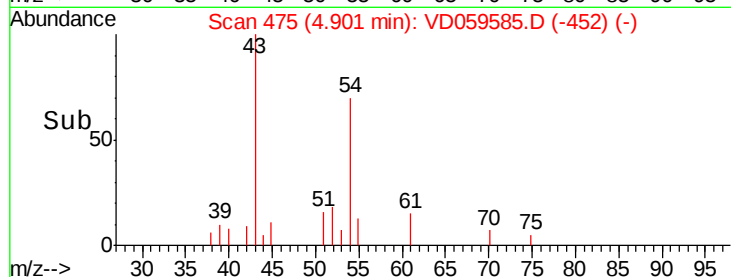
70 7.5 5.4 8.0



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: 22.96 ug/l

RT: 5.70 min Scan# 556

Delta R.T. 0.02 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

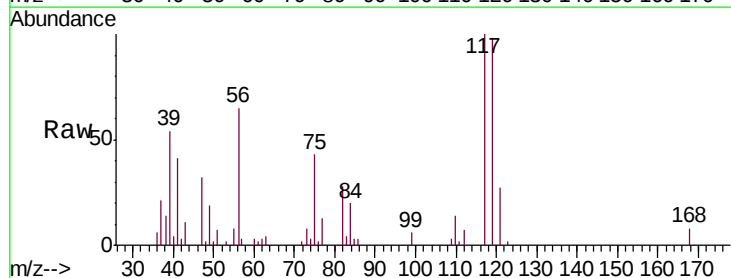
Tgt Ion: 117 Resp: 57335

Ion Ratio Lower Upper

117 100

119 98.3 73.6 110.4

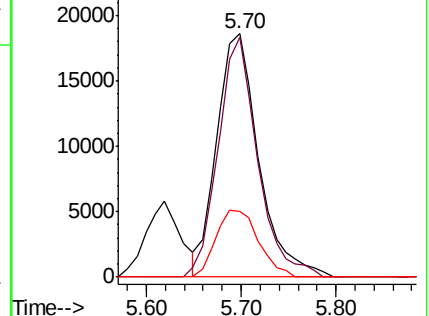
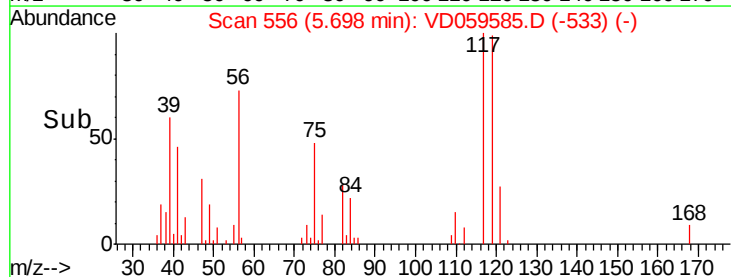
121 27.0 25.0 37.6

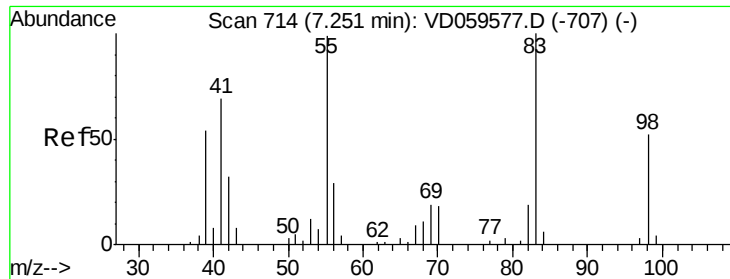


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

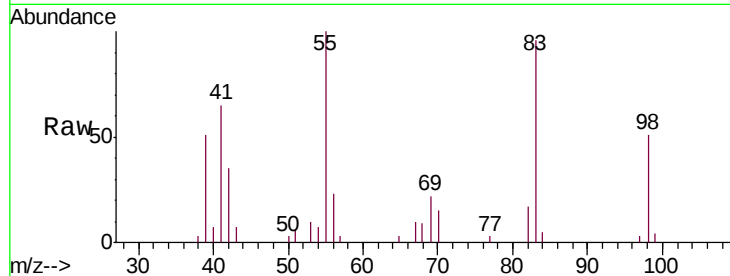




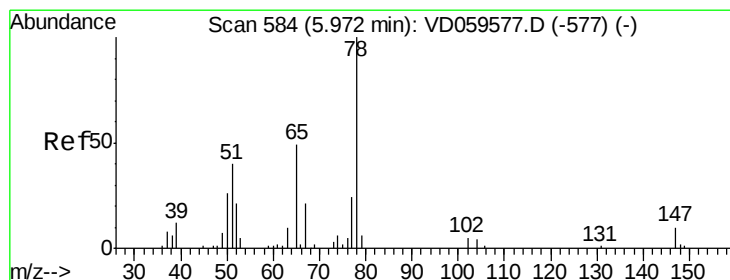
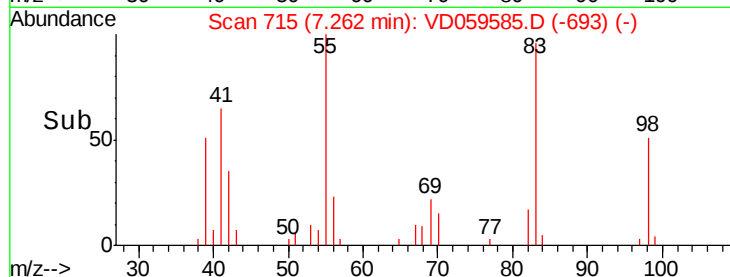
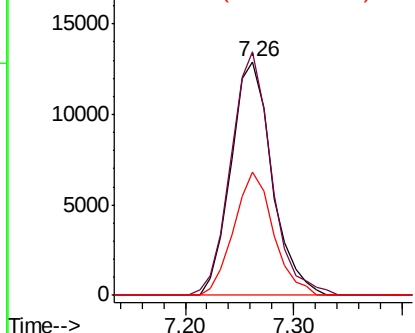
#39
Methylcyclohexane
Concen: 20.29 ug/l
RT: 7.26 min Scan# 715
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

Tot Ion: 83 Resp: 34022
Ion Ratio Lower Upper
83 100
55 104.3 79.4 119.0
98 52.9 41.6 62.4

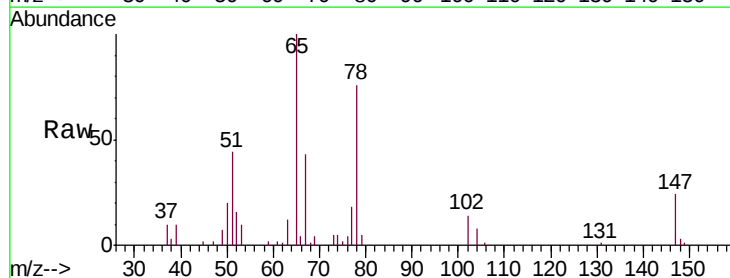


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

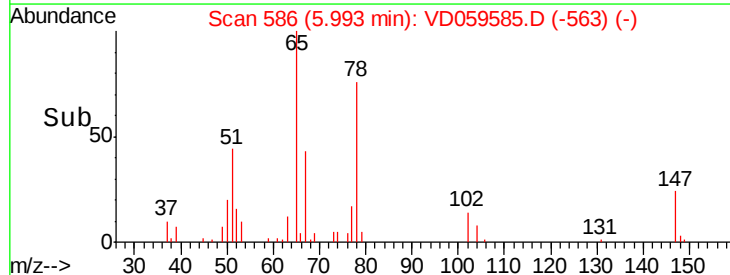
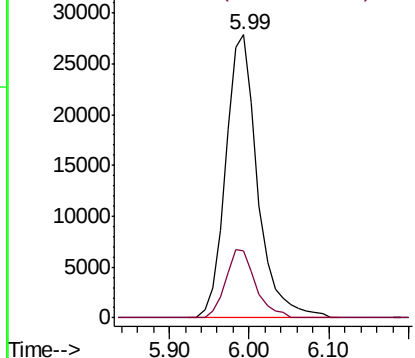


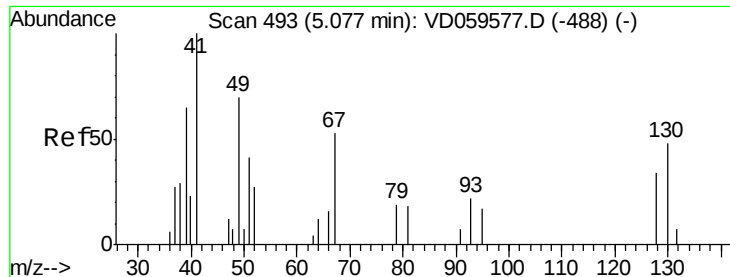
#40
Benzene
Concen: 20.79 ug/l
RT: 5.99 min Scan# 586
Delta R.T. 0.02 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion: 78 Resp: 77751
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

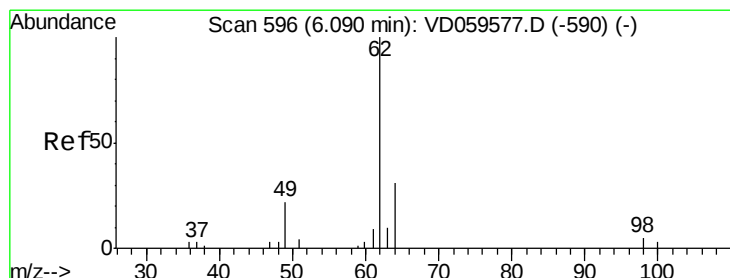
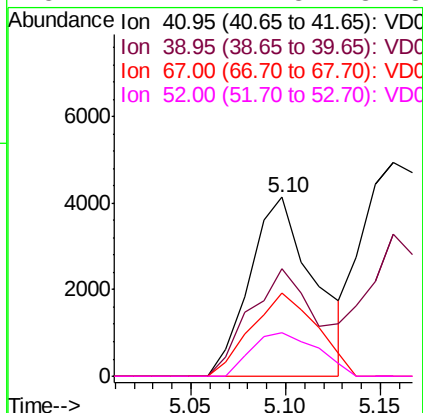
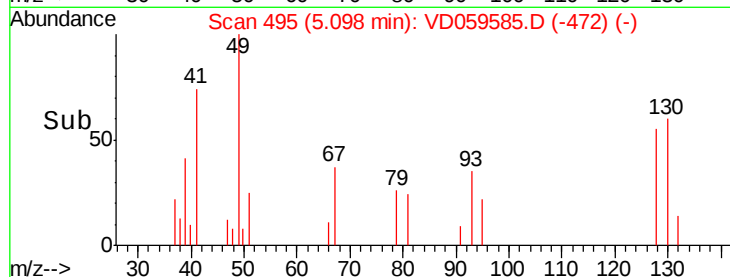
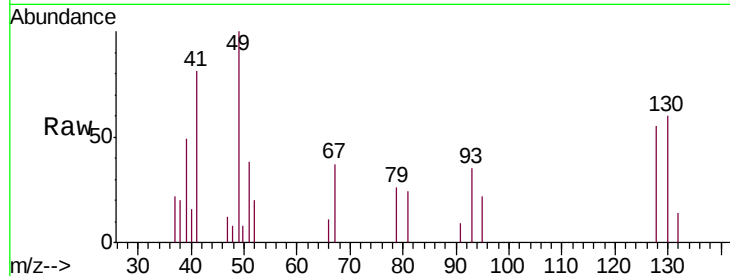




#41
Methacrylonitrile
Concen: 20.99 ug/l
RT: 5.10 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

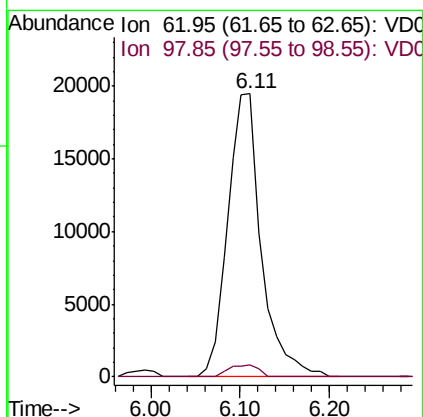
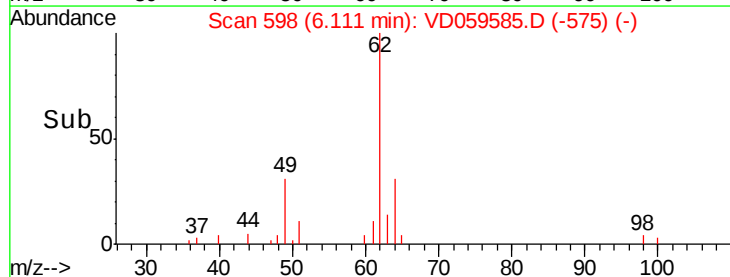
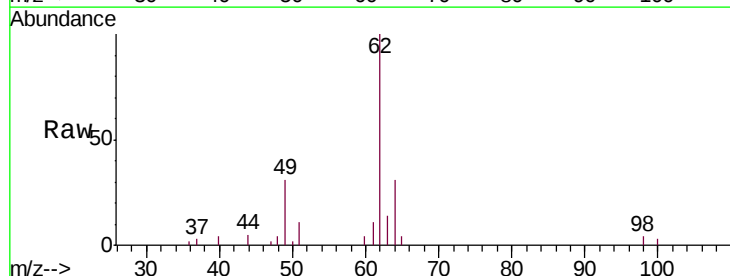
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

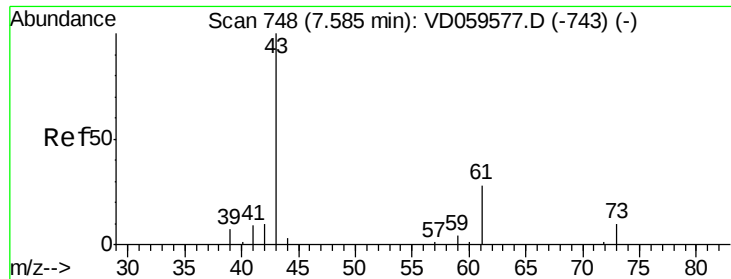
Tot Ion: 41 Resp: 9826
Ion Ratio Lower Upper
41 100
39 60.3 52.1 78.1
67 46.2 42.5 63.7
52 24.2 21.8 32.8



#42
1,2-Dichloroethane
Concen: 22.80 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.02 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion: 62 Resp: 51368
Ion Ratio Lower Upper
62 100
98 4.3 0.0 10.2



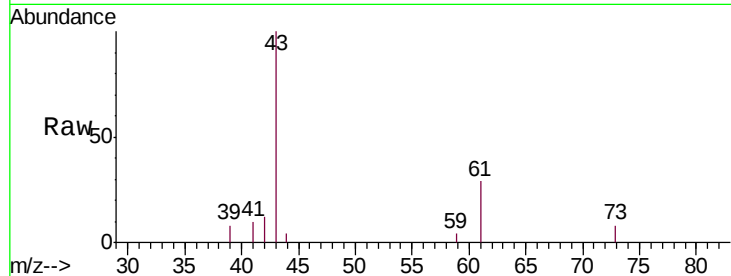


#43

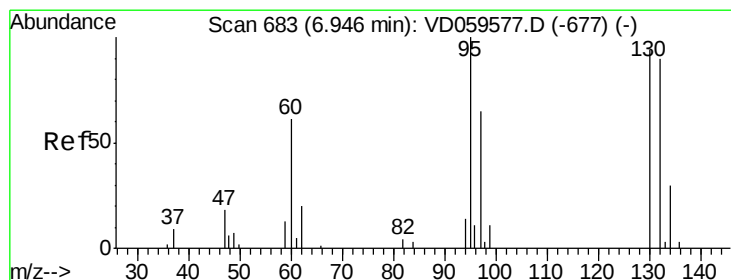
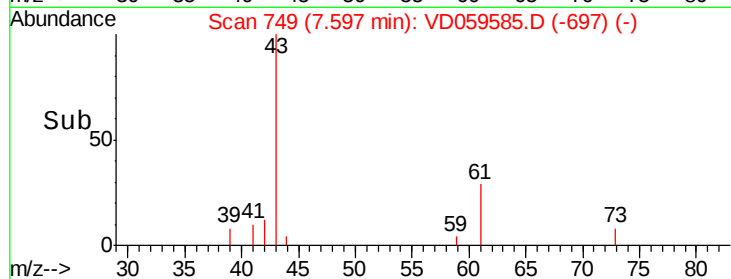
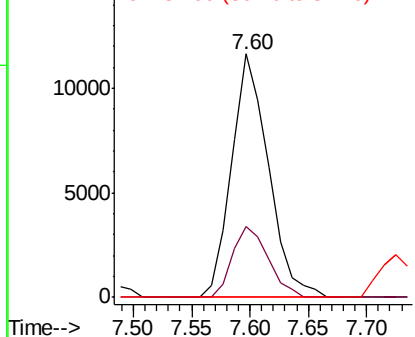
Isopropyl Acetate
 Concen: 19.62 ug/l
 RT: 7.60 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

Tot Ion: 43 Resp: 25519
 Ion Ratio Lower Upper
 43 100
 61 29.0 22.0 33.0
 87 0.0 0.0 0.0



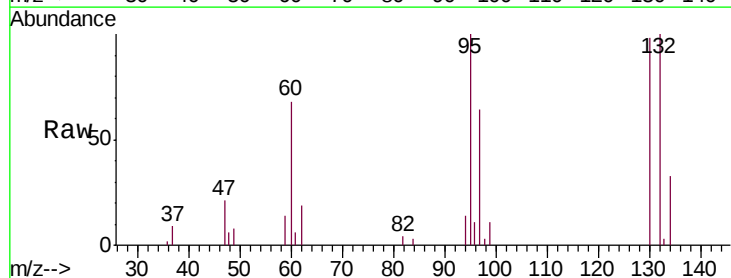
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



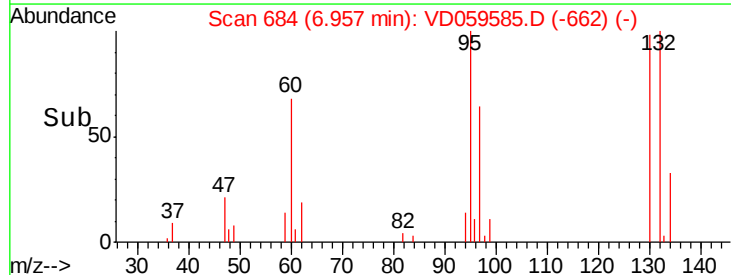
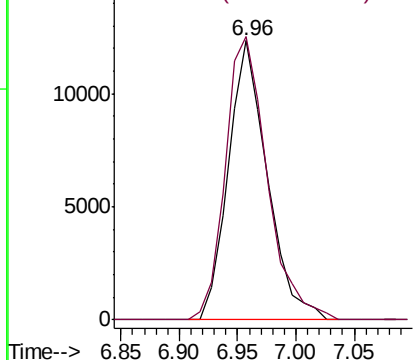
#44

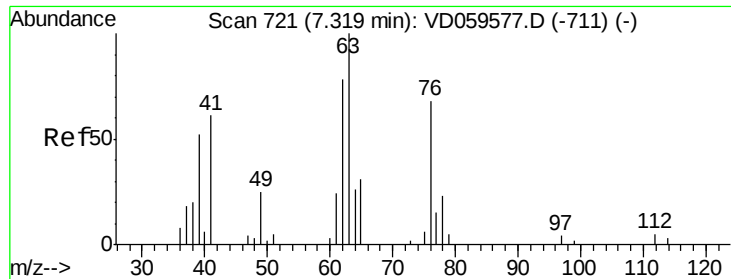
Trichloroethene
 Concen: 21.01 ug/l
 RT: 6.96 min Scan# 684
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Tgt Ion: 130 Resp: 28492
 Ion Ratio Lower Upper
 130 100
 95 101.4 0.0 213.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.48 ug/l

RT: 7.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

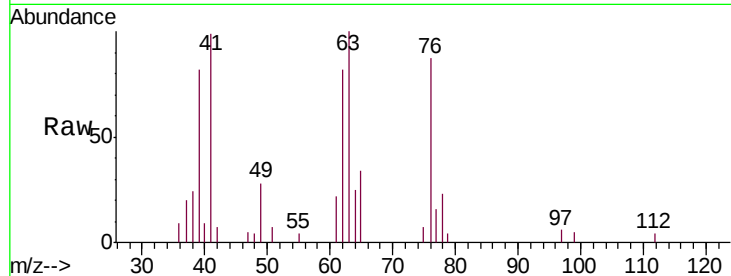
VD0725SBS01

Tot Ion: 63 Resp: 21450

Ion Ratio Lower Upper

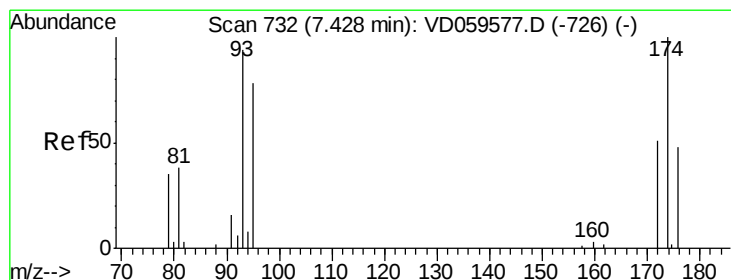
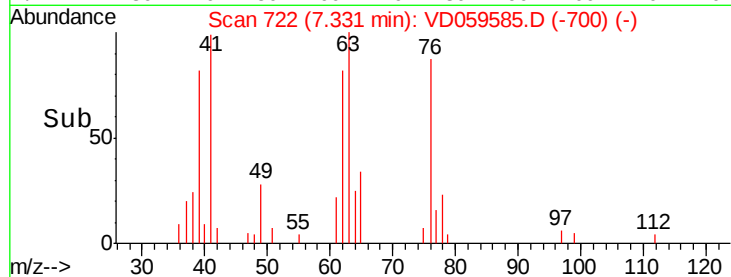
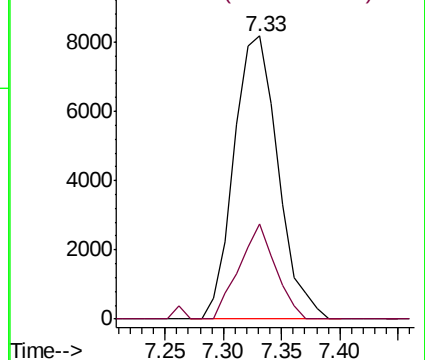
63 100

65 33.7 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.87 ug/l

RT: 7.44 min Scan# 733

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

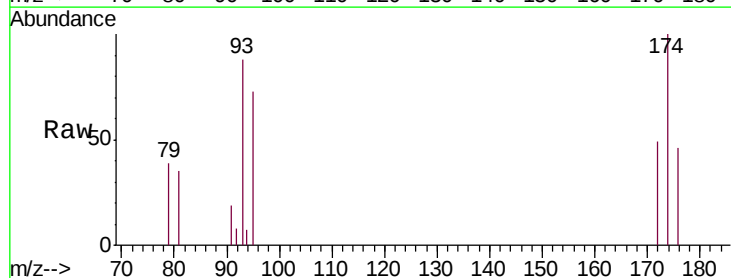
Tgt Ion: 93 Resp: 18478

Ion Ratio Lower Upper

93 100

95 83.2 65.8 98.8

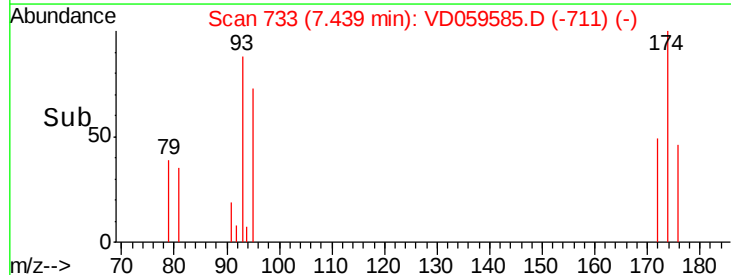
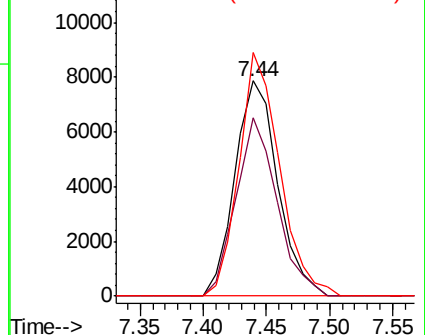
174 113.2 84.7 127.1

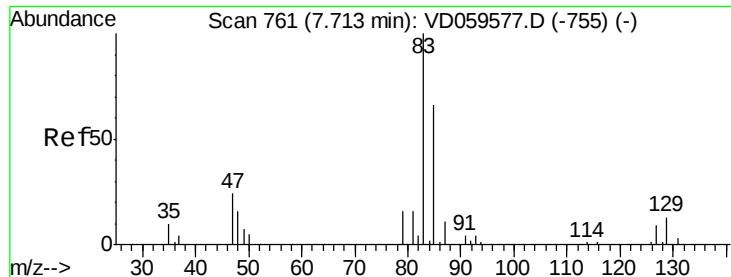


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.73 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

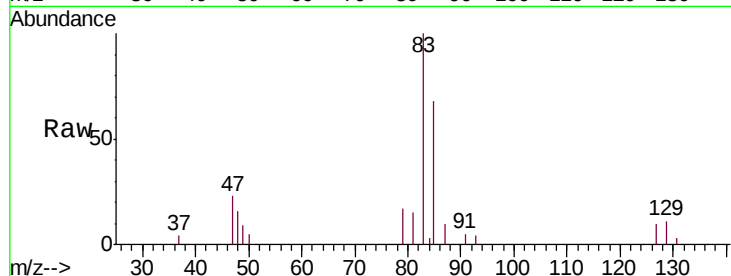
Tot Ion: 83 Resp: 45946

Ion Ratio Lower Upper

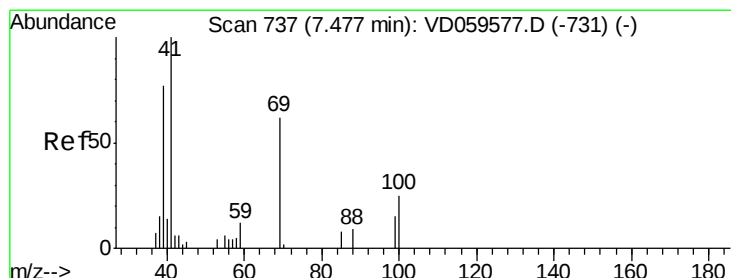
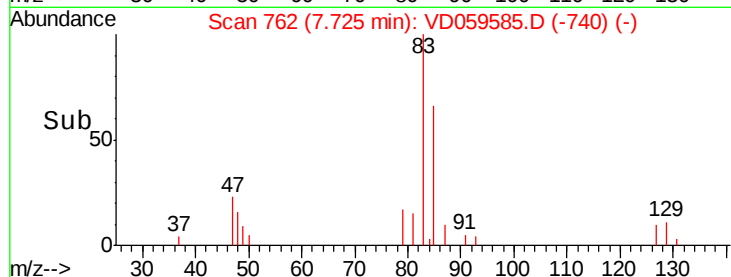
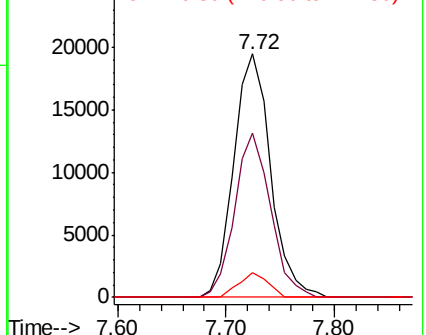
83 100

85 67.7 53.1 79.7

127 9.9 7.4 11.0



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



#48

Methyl methacrylate

Concen: 21.55 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

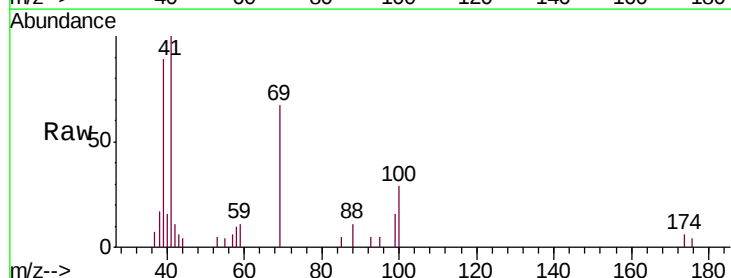
Tgt Ion: 41 Resp: 18592

Ion Ratio Lower Upper

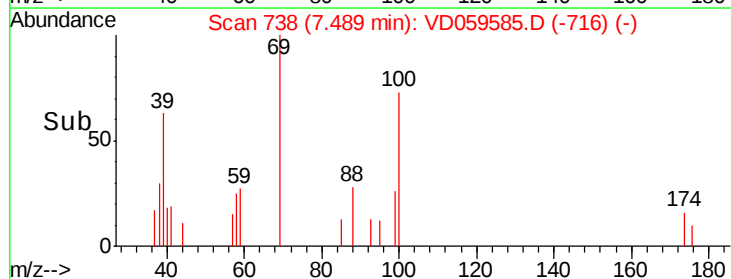
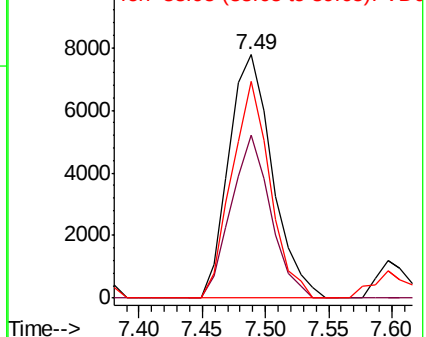
41 100

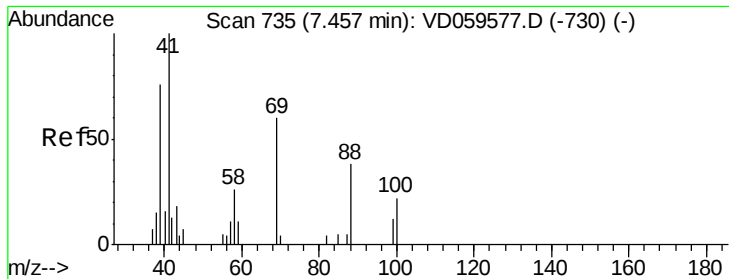
69 67.1 49.4 74.0

39 89.1 61.3 91.9



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 405.09 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

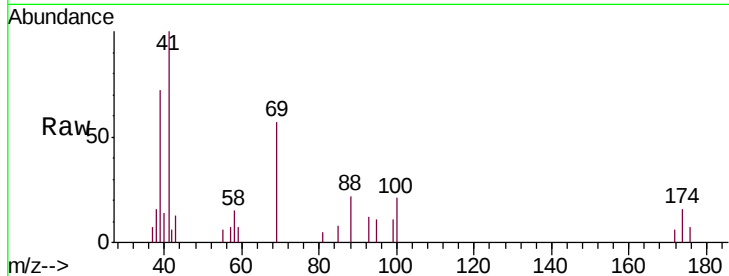
Tot Ion: 88 Resp: 3160

Ion Ratio Lower Upper

88 100

43 57.8 37.4 56.2#

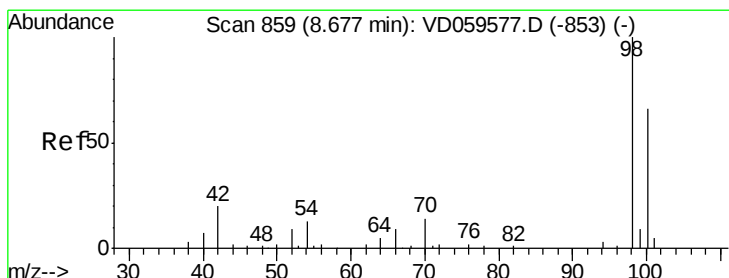
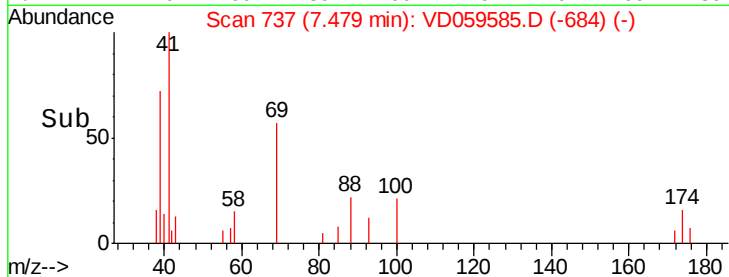
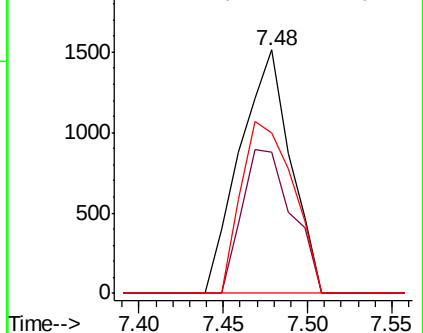
58 66.1 55.6 83.4



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: 405.09 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.01 min

Lab File: VD059585.D

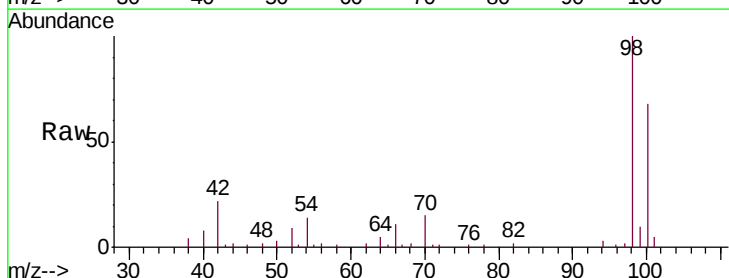
Acq: 25 Jul 2018 13:08

Tgt Ion: 98 Resp: 179629

Ion Ratio Lower Upper

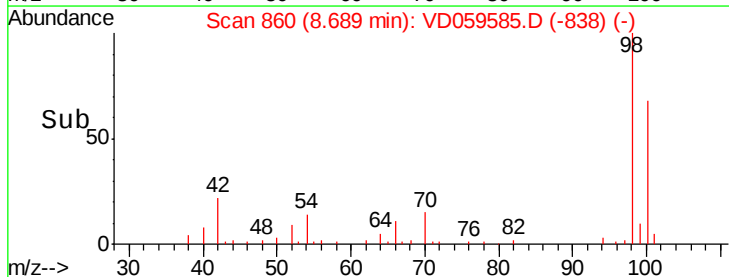
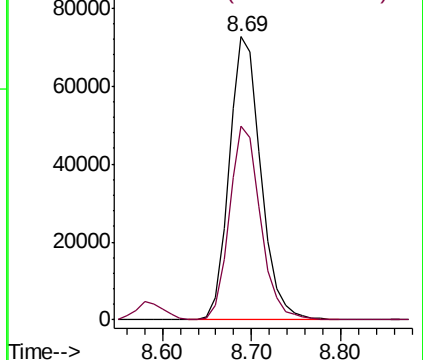
98 100

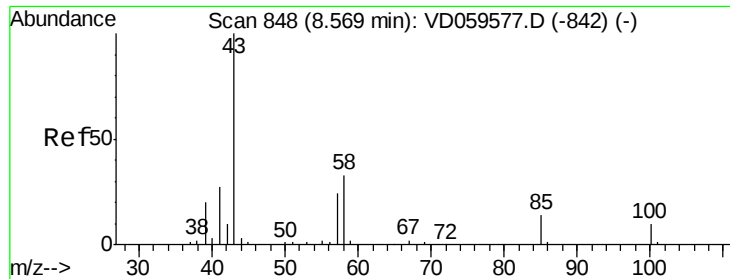
100 68.5 53.2 79.8



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: 103.53 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

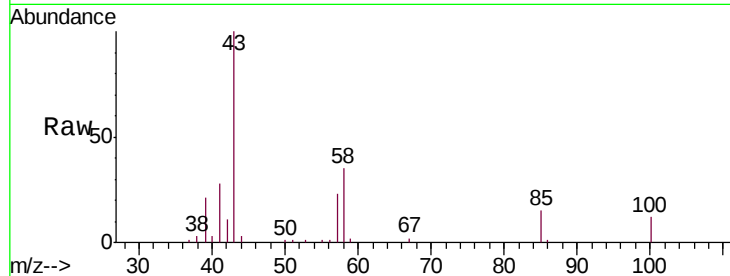
VD0725SBS01

Tot Ion: 43 Resp: 89929

Ion Ratio Lower Upper

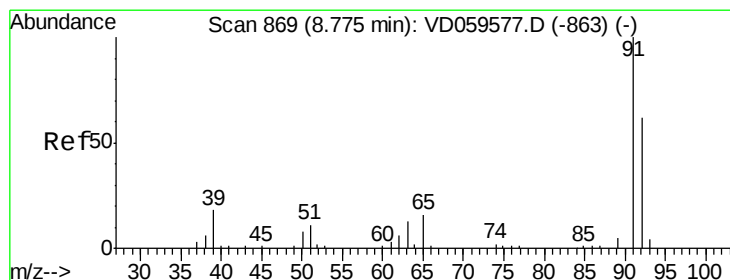
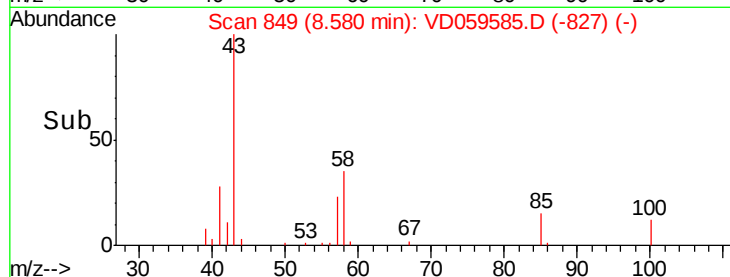
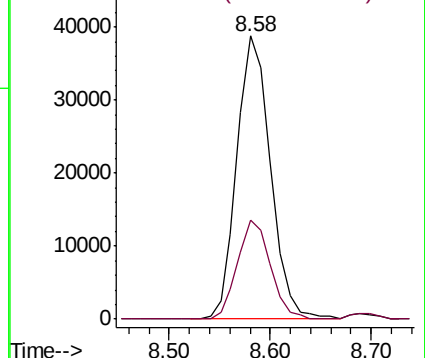
43 100

58 34.9 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.31 ug/l

RT: 8.79 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059585.D

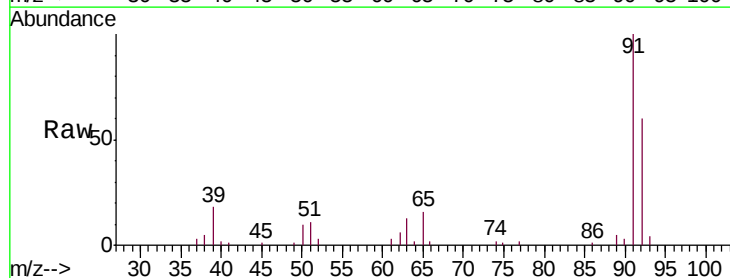
Acq: 25 Jul 2018 13:08

Tgt Ion: 92 Resp: 50354

Ion Ratio Lower Upper

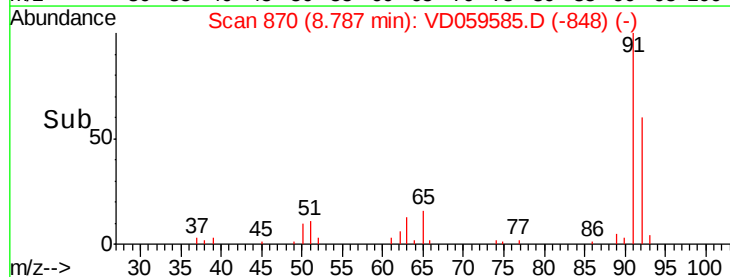
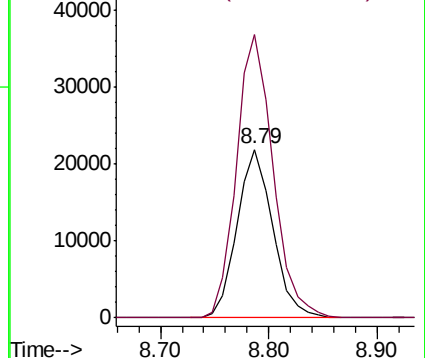
92 100

91 167.8 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

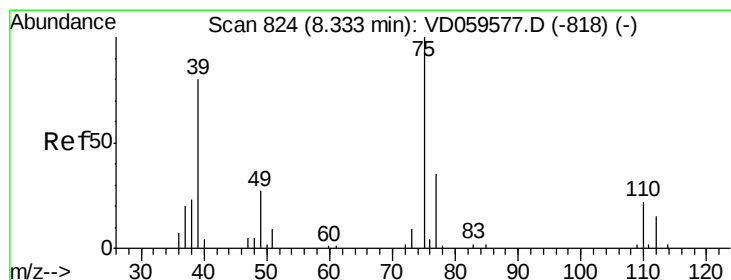
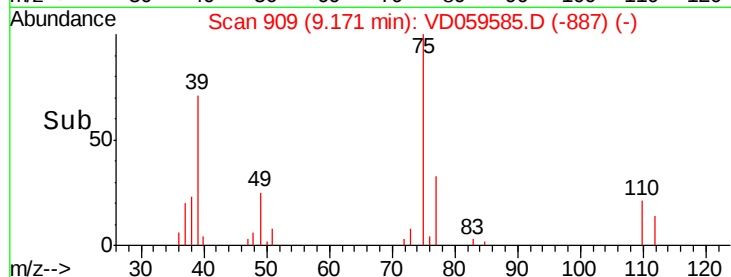
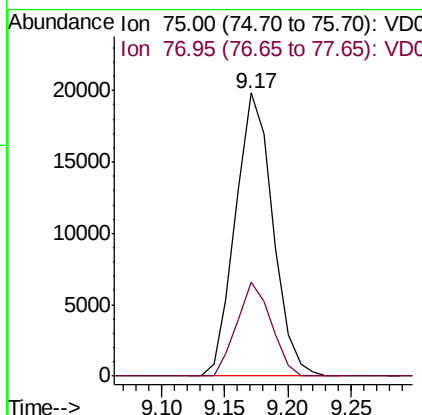
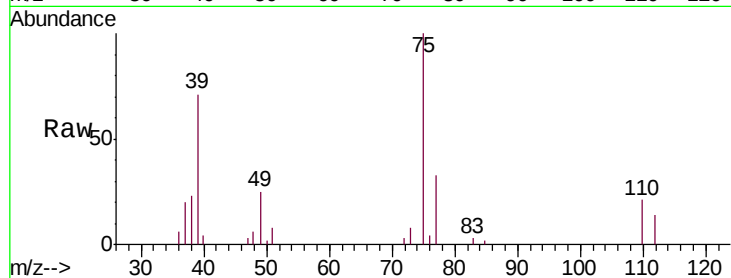




#53
 t-1,3-Dichloropropene
 Concen: 21.37 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

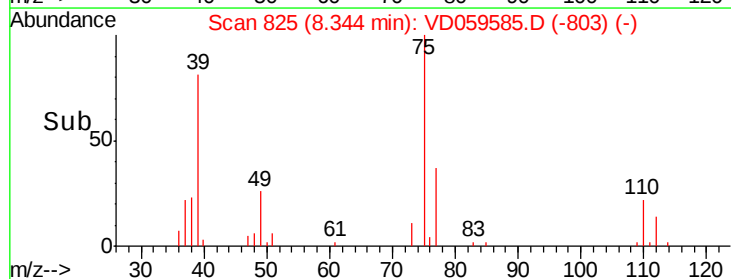
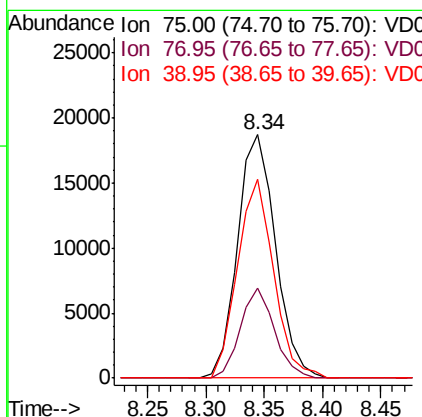
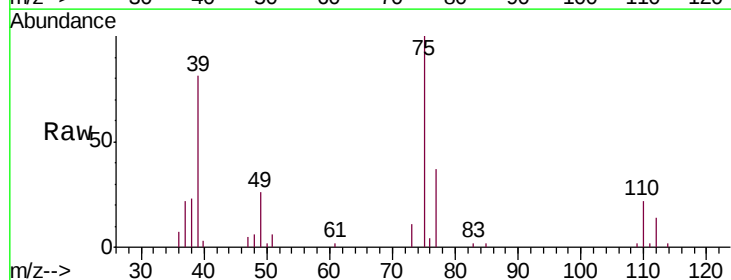
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

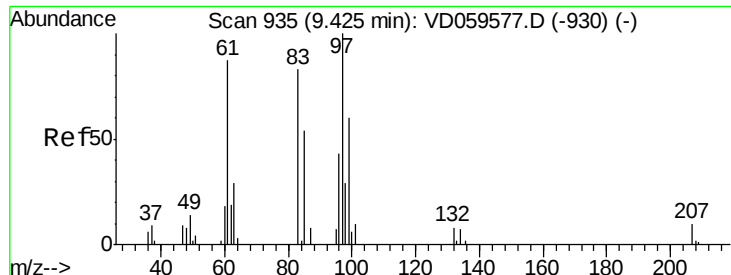
Tot Ion: 75 Resp: 40752
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 22.34 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Tgt Ion: 75 Resp: 42303
 Ion Ratio Lower Upper
 75 100
 77 36.7 27.7 41.5
 39 81.4 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 21.08 ug/l

RT: 9.44 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

Tot Ion: 97 Resp: 19638

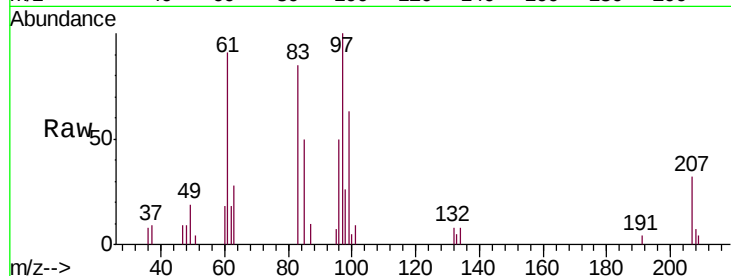
Ion Ratio Lower Upper

97 100

83 85.2 66.3 99.5

85 50.5 43.0 64.6

99 63.2 47.7 71.5

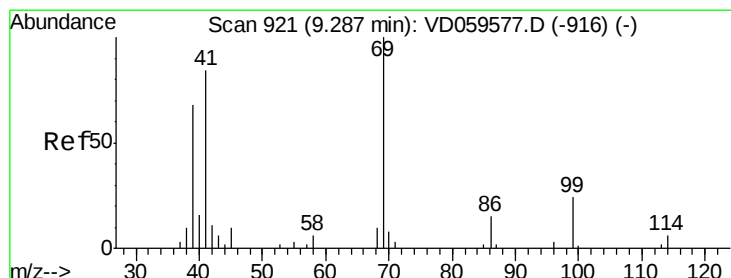
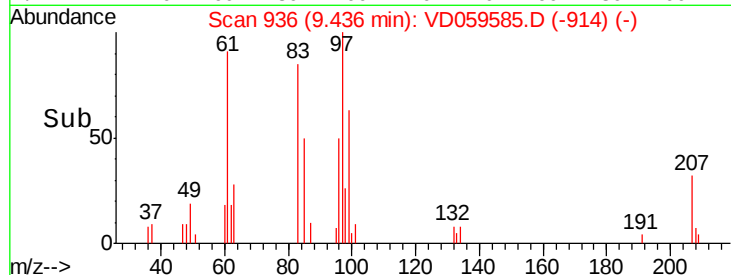
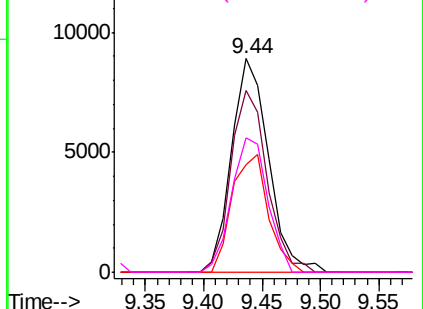


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.58 ug/l

RT: 9.30 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

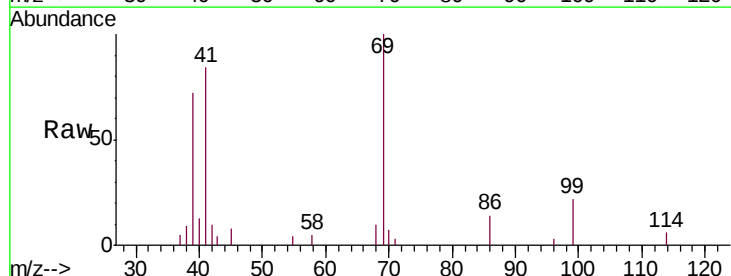
Tgt Ion: 69 Resp: 21752

Ion Ratio Lower Upper

69 100

41 83.7 66.8 100.2

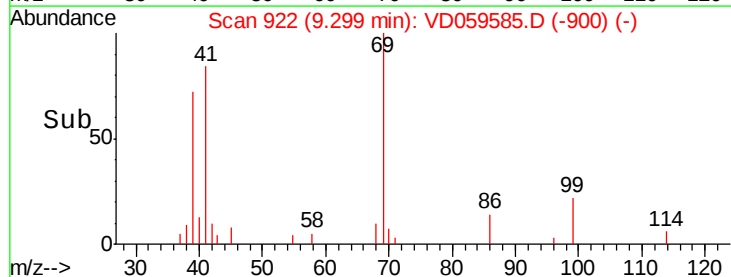
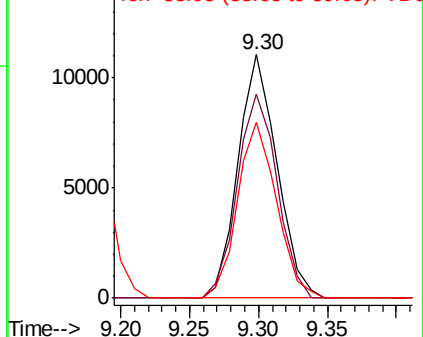
39 72.2 54.7 82.1

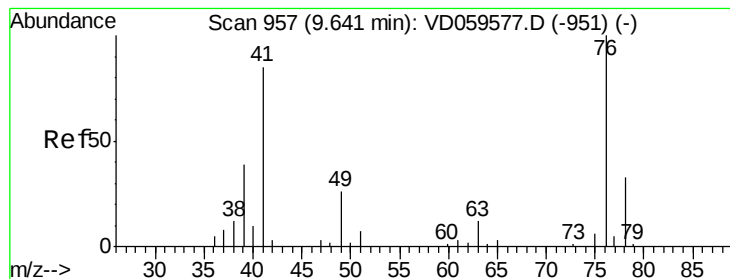


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.50 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

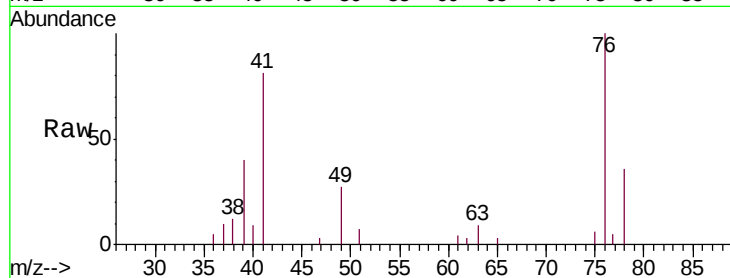
VD0725SBS01

Tot Ion: 76 Resp: 30348

Ion Ratio Lower Upper

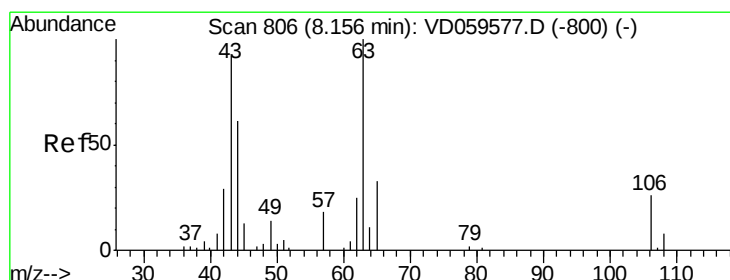
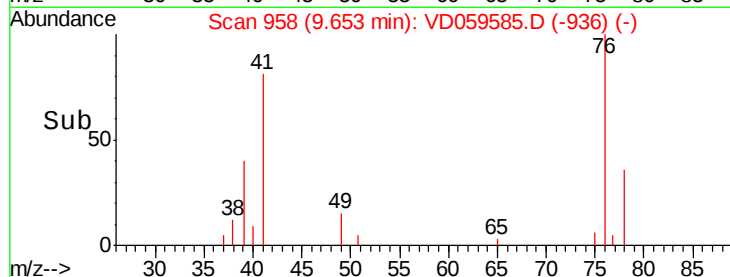
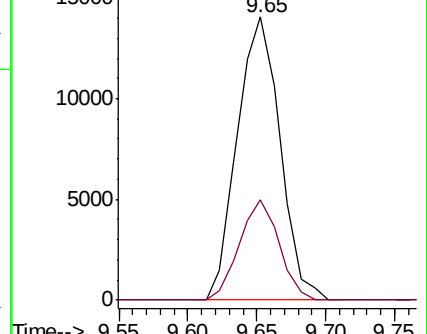
76 100

78 35.6 26.0 39.0



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: 100.05 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059585.D

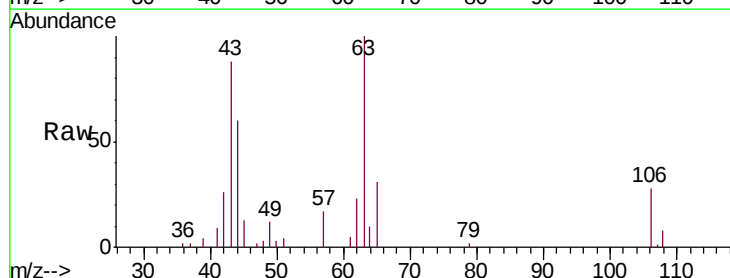
Acq: 25 Jul 2018 13:08

Tgt Ion: 63 Resp: 49690

Ion Ratio Lower Upper

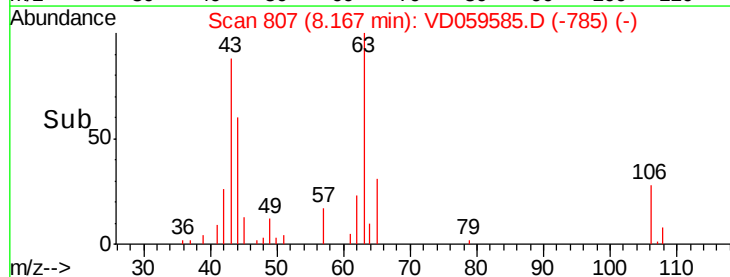
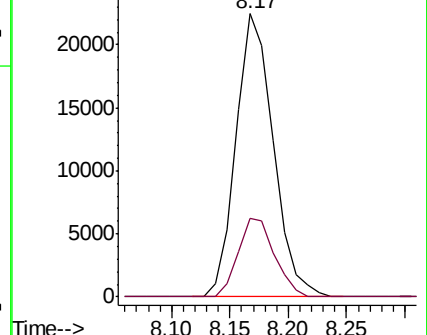
63 100

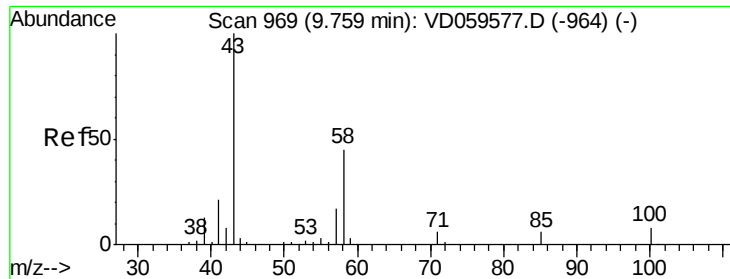
106 27.6 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

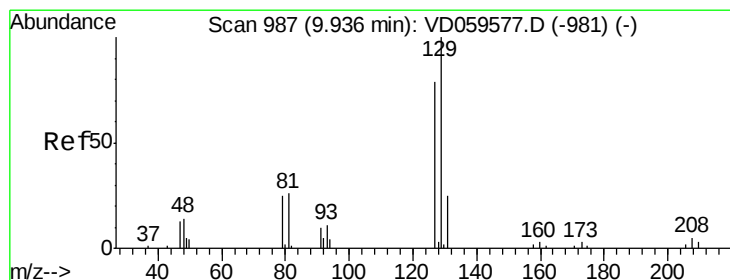
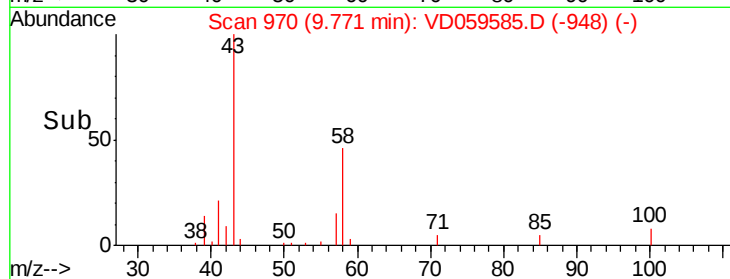
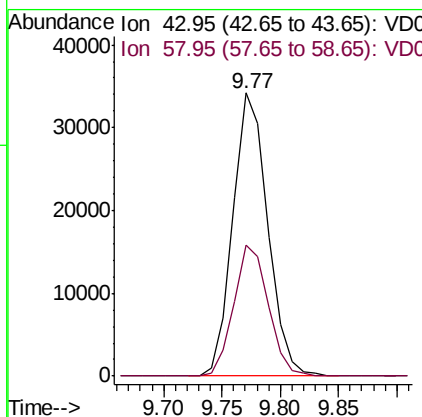
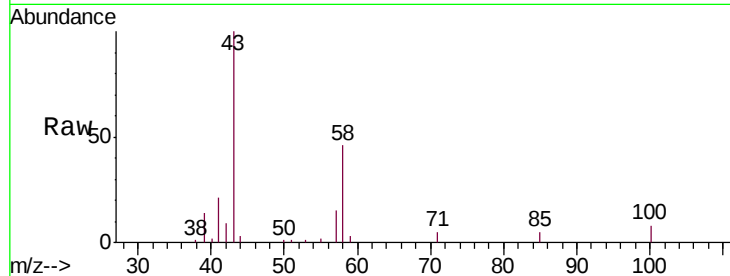




#59
2-Hexanone
Concen: 102.68 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

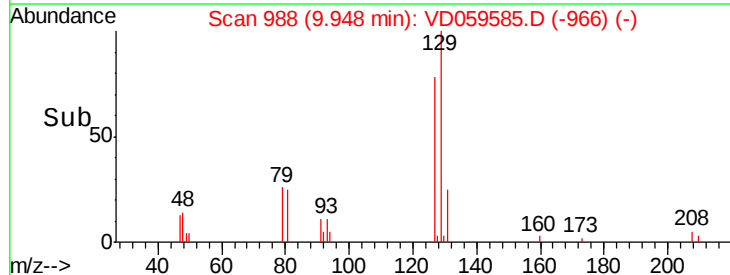
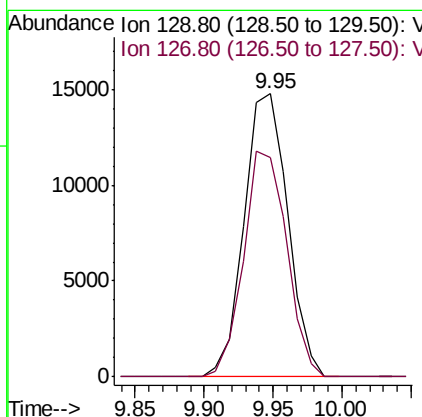
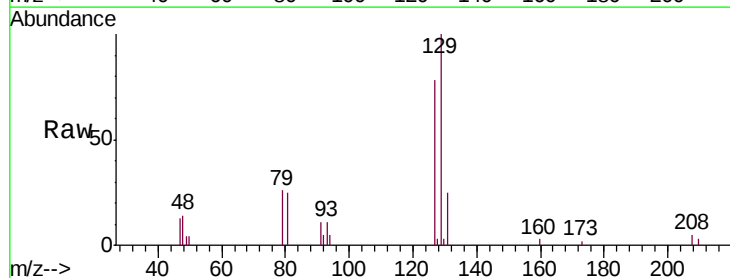
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

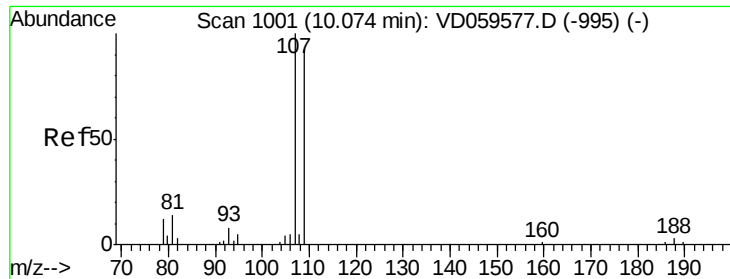
Tot Ion: 43 Resp: 70849
Ion Ratio Lower Upper
43 100
58 46.5 22.7 68.1



#60
Dibromochloromethane
Concen: 21.12 ug/l
RT: 9.95 min Scan# 988
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion: 129 Resp: 32659
Ion Ratio Lower Upper
129 100
127 77.6 39.3 117.9





#61

1,2-Dibromoethane

Concen: 20.96 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

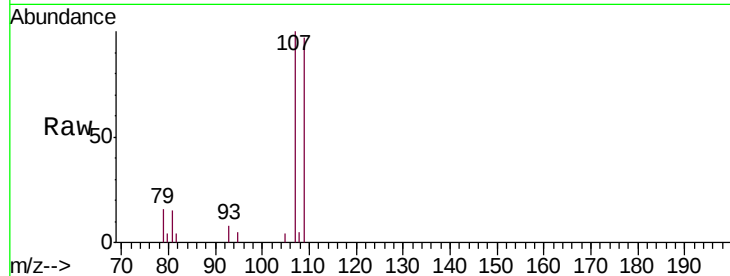
VD0725SBS01

Tot Ion:107 Resp: 23143

Ion Ratio Lower Upper

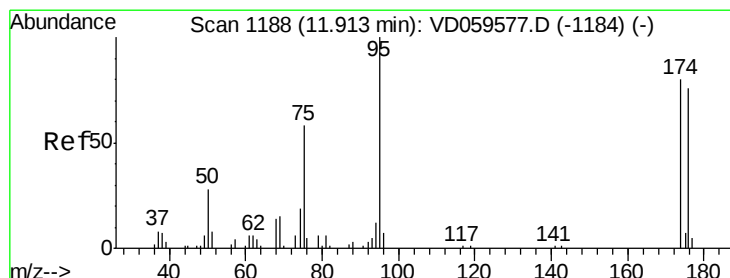
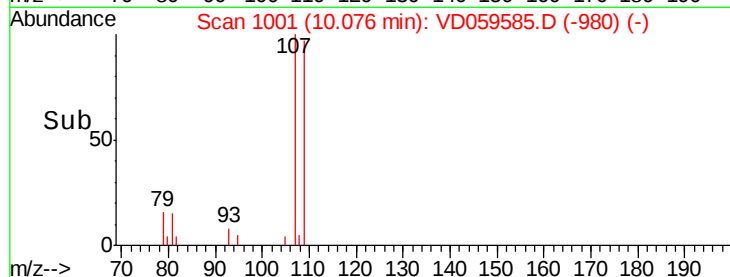
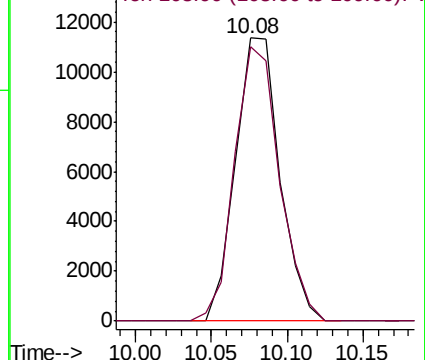
107 100

109 97.1 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.96 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

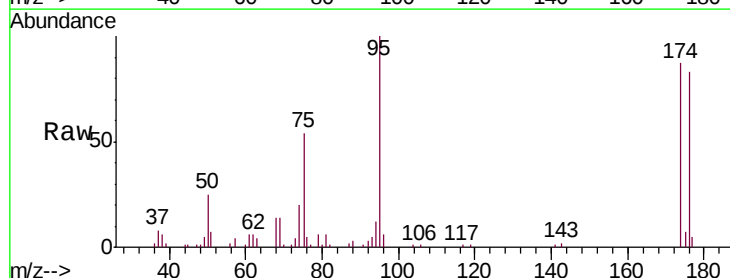
Tgt Ion: 95 Resp: 81627

Ion Ratio Lower Upper

95 100

174 87.1 0.0 160.6

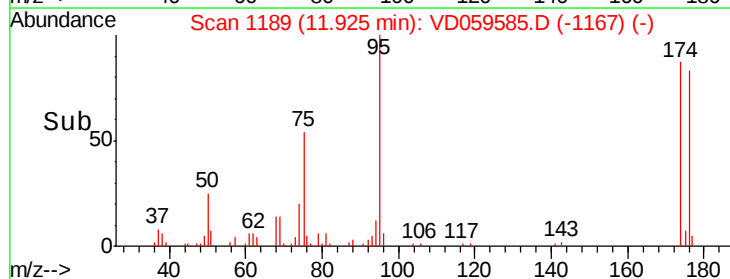
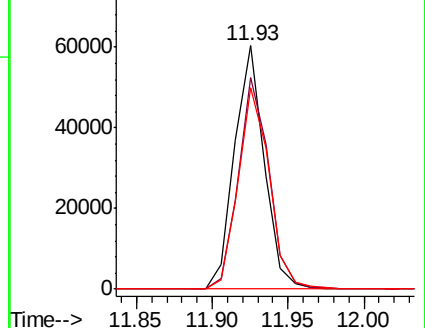
176 82.9 0.0 152.8

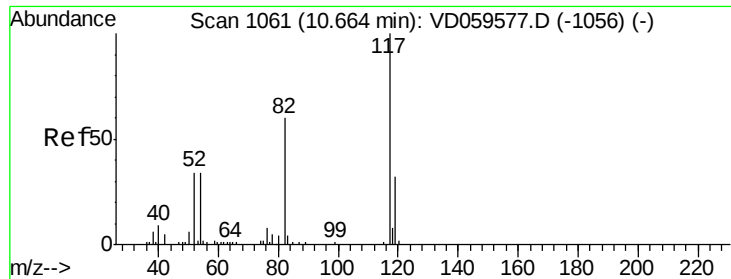


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

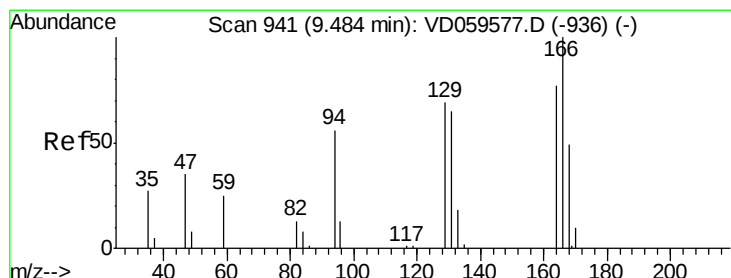
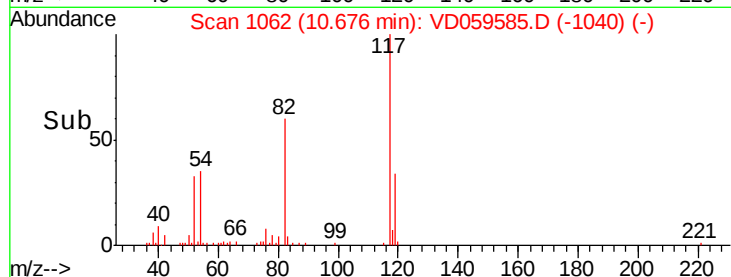
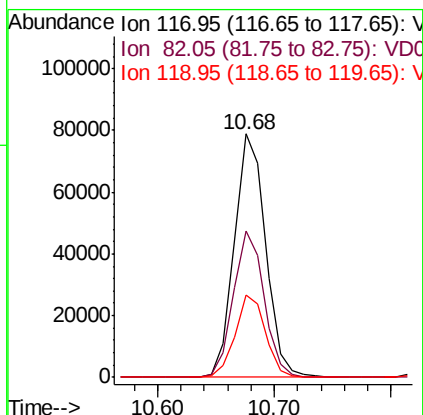
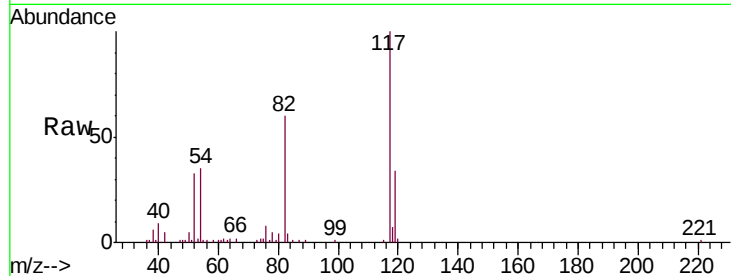




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

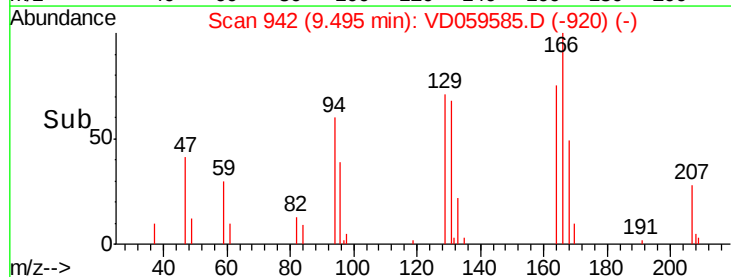
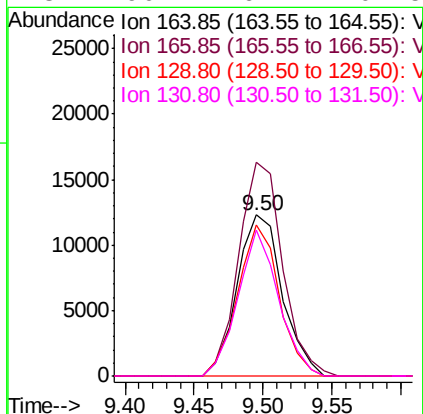
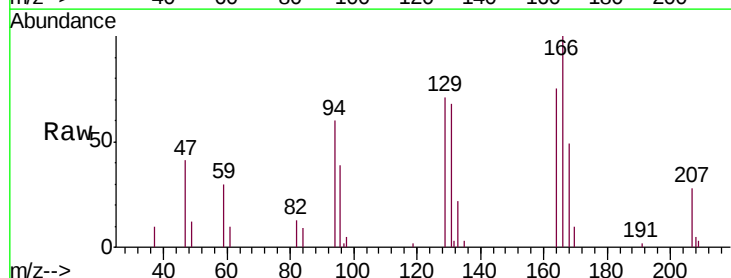
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

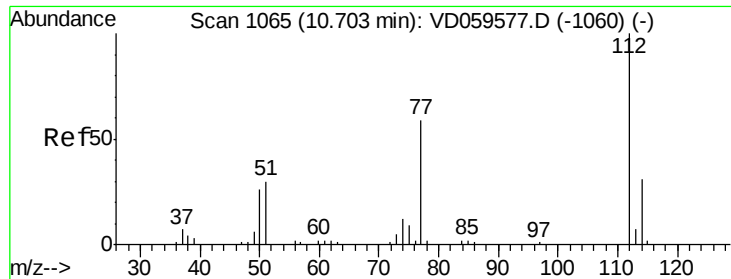
Tot Ion:117 Resp: 146280
Ion Ratio Lower Upper
117 100
82 60.0 48.2 72.2
119 33.6 25.4 38.2



#64
Tetrachloroethene
Concen: 21.12 ug/l
RT: 9.50 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion:164 Resp: 28003
Ion Ratio Lower Upper
164 100
166 132.8 104.0 156.0
129 93.8 72.2 108.4
131 90.7 67.7 101.5

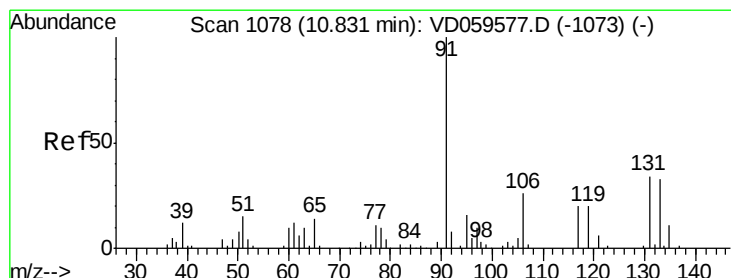
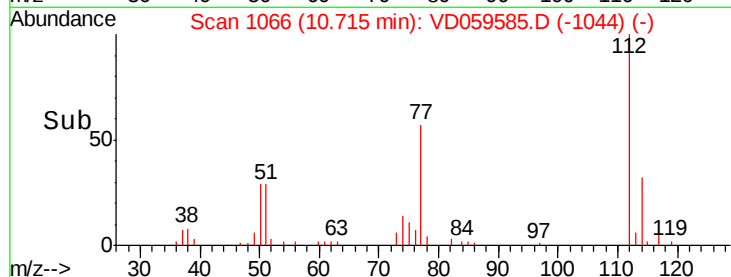
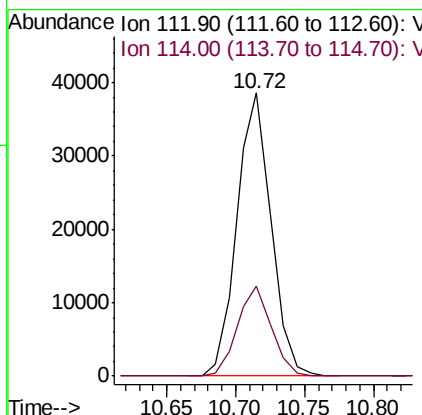
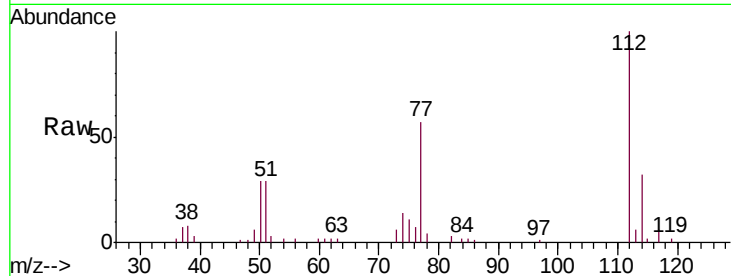




#65
Chlorobenzene
Concen: 22.18 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

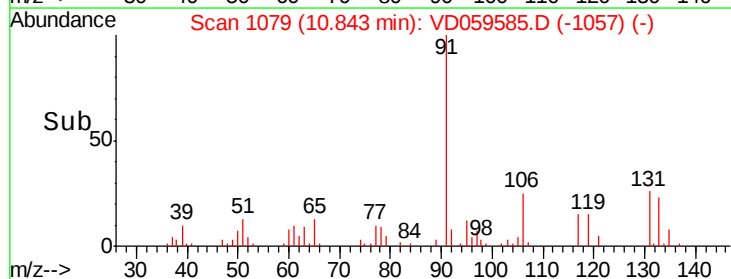
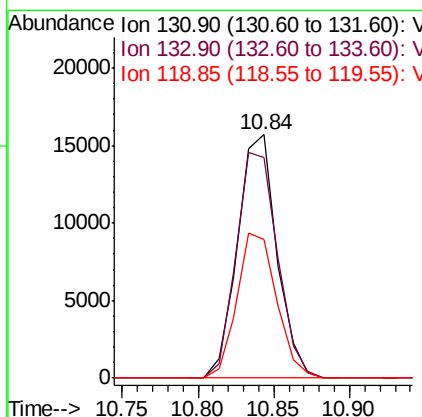
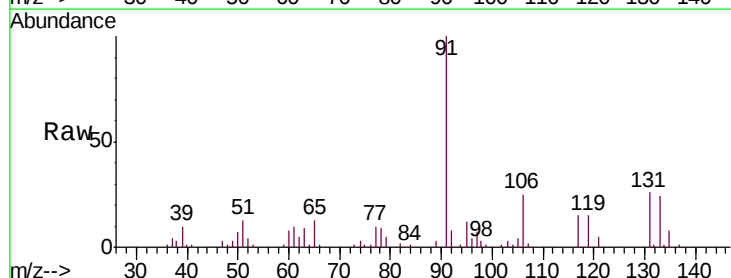
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

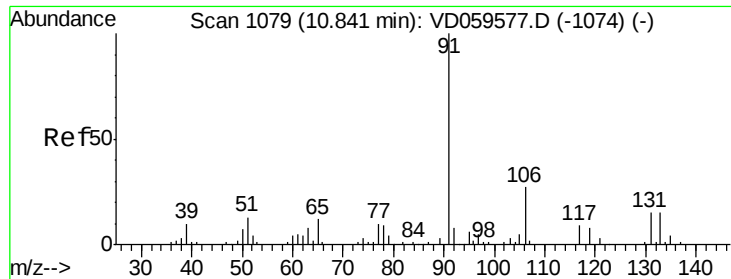
Tot Ion:112 Resp: 66520
Ion Ratio Lower Upper
112 100
114 31.9 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.73 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion:131 Resp: 28341
Ion Ratio Lower Upper
131 100
133 90.4 47.9 143.7
119 56.8 28.7 86.1

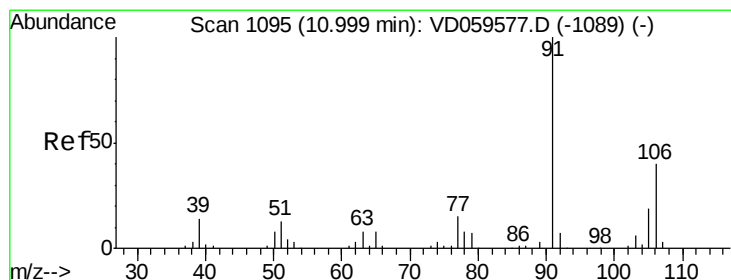
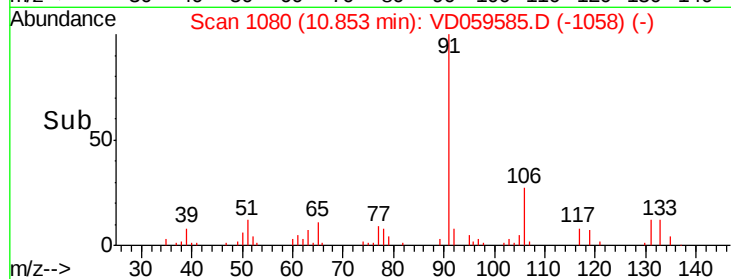
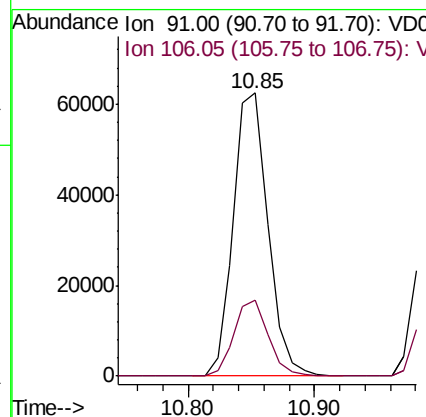
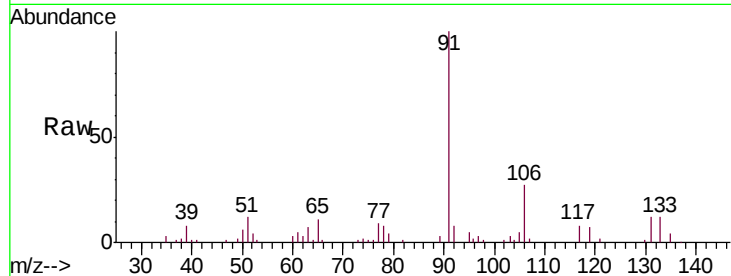




#67
Ethyl Benzene
Concen: 22.87 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

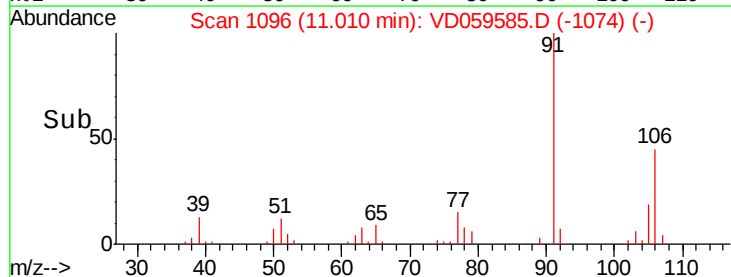
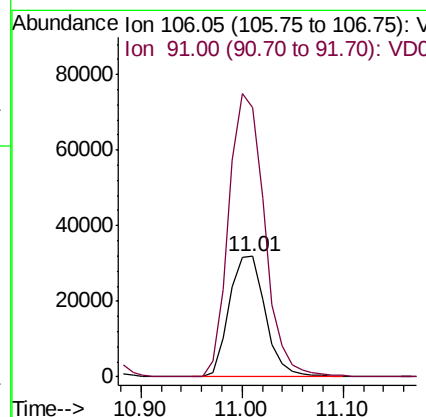
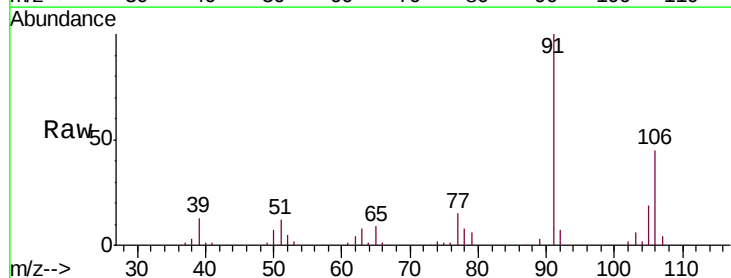
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

Tot Ion: 91 Resp: 117905
Ion Ratio Lower Upper
91 100
106 26.9 21.6 32.4



#68
m/p-Xylenes
Concen: 46.12 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion: 106 Resp: 79390
Ion Ratio Lower Upper
106 100
91 223.5 198.2 297.4

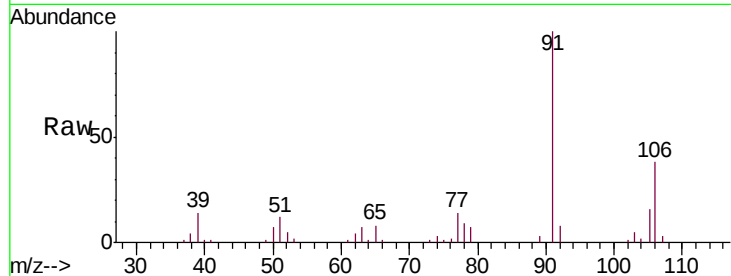




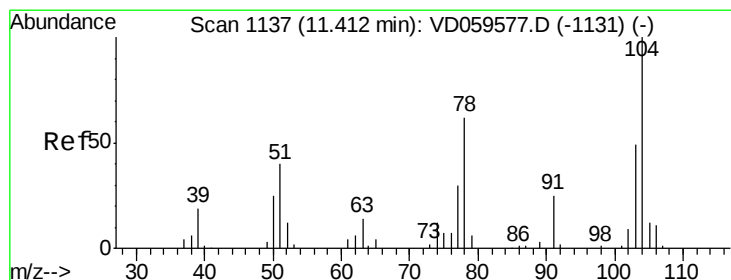
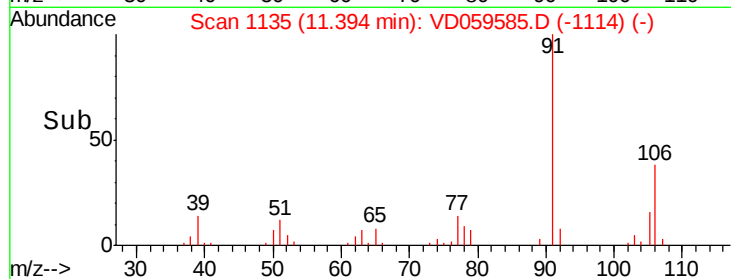
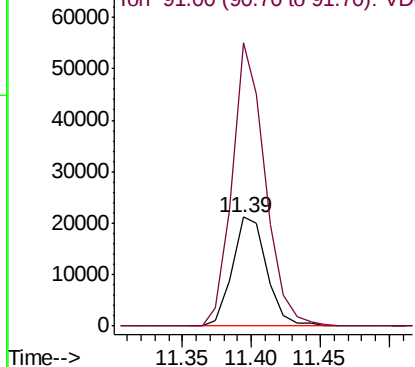
#69
o-Xylene
Concen: 22.10 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

Tot Ion:106 Resp: 36919
Ion Ratio Lower Upper
106 100
91 259.8 122.7 368.1

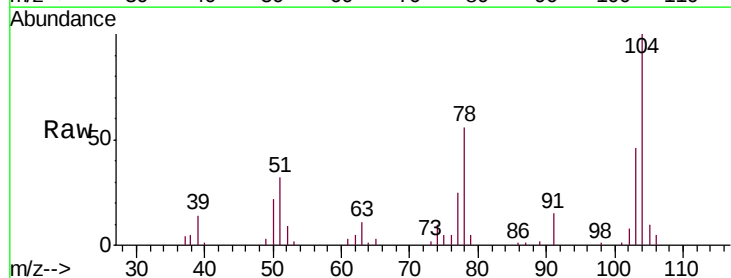


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

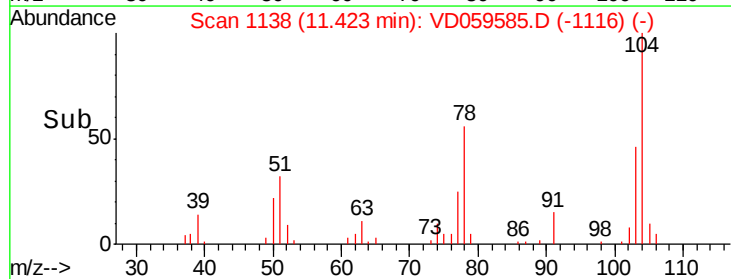
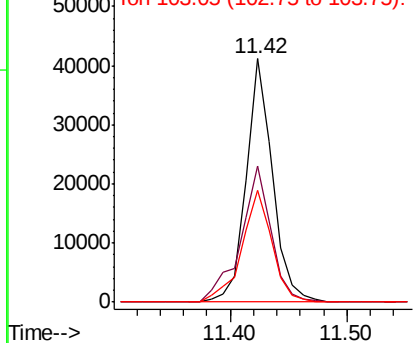


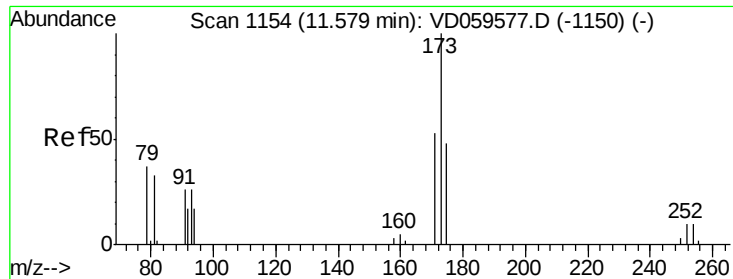
#70
Styrene
Concen: 23.13 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion:104 Resp: 64070
Ion Ratio Lower Upper
104 100
78 56.1 49.4 74.0
103 45.9 39.0 58.6



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: 21.48 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

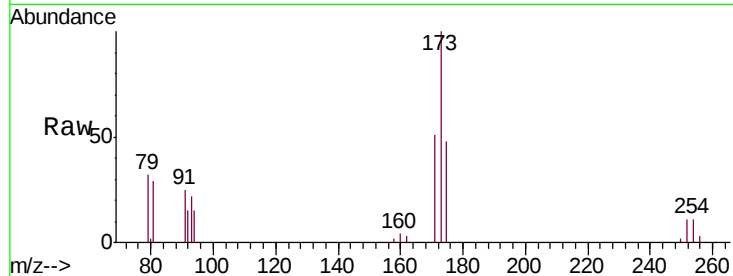
Tot Ion:173 Resp: 22811

Ion Ratio Lower Upper

173 100

175 47.7 23.8 71.4

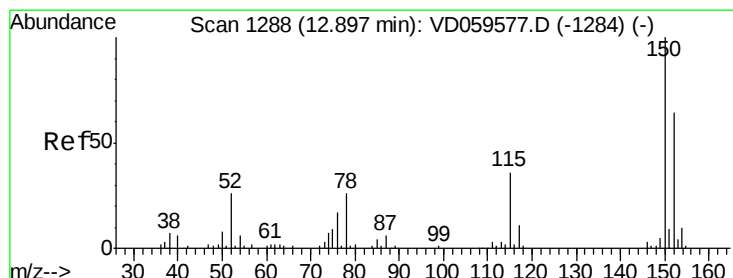
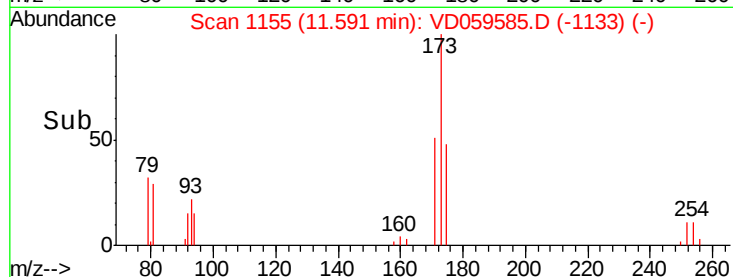
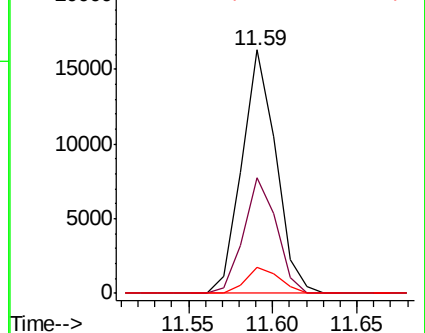
254 10.6 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

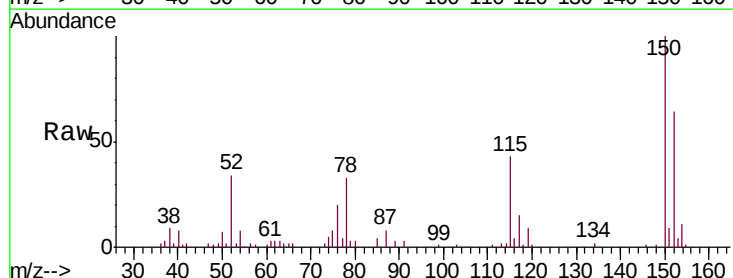
Tgt Ion:152 Resp: 77175

Ion Ratio Lower Upper

152 100

115 67.2 29.5 88.6

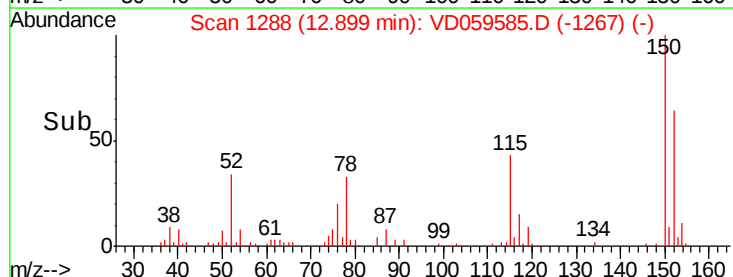
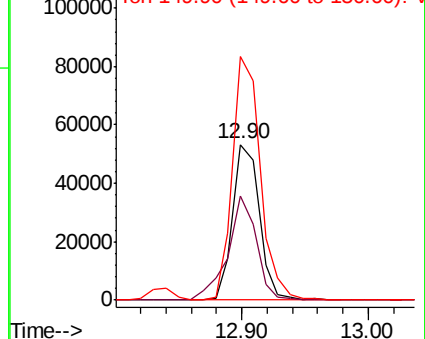
150 156.3 0.0 314.4

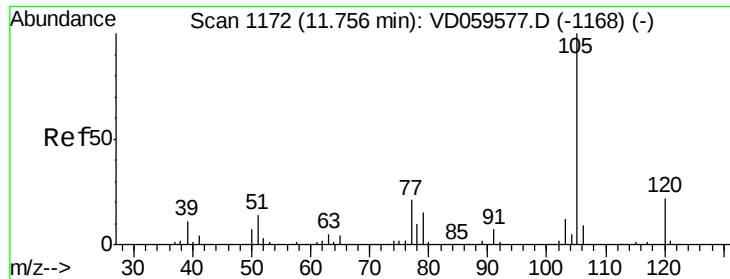


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.53 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

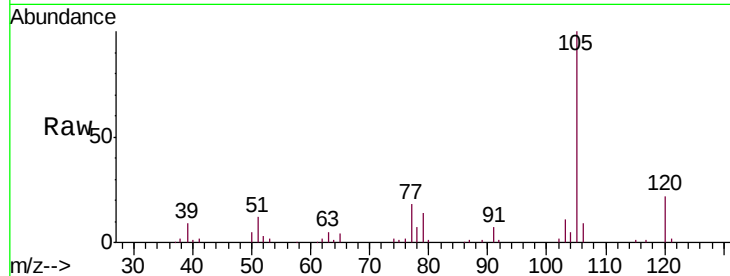
VD0725SBS01

Tot Ion:105 Resp: 111957

Ion Ratio Lower Upper

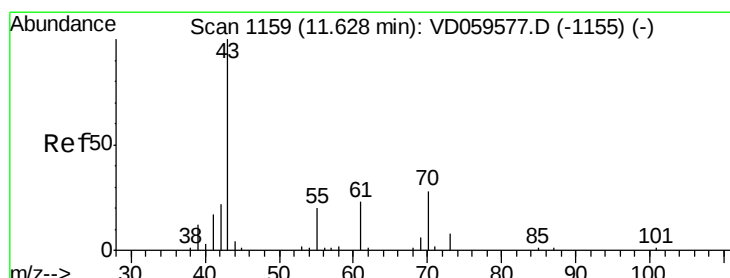
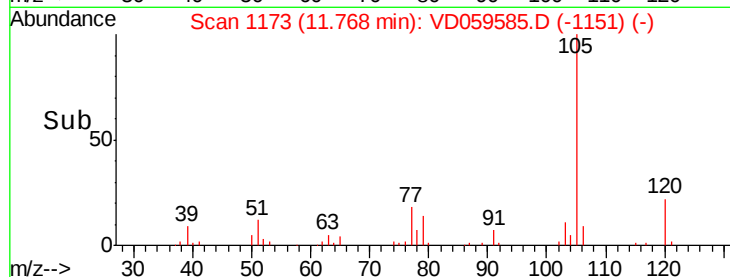
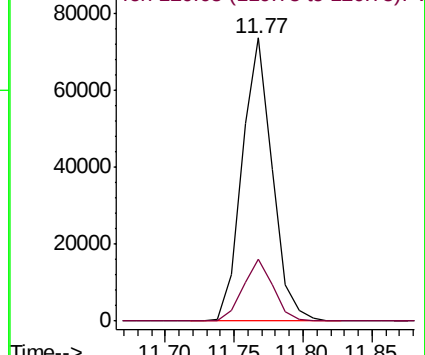
105 100

120 21.9 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.80 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Tgt Ion: 43 Resp: 36993

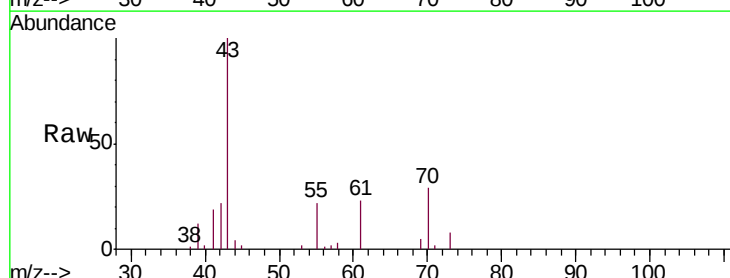
Ion Ratio Lower Upper

43 100

70 29.4 22.0 33.0

55 21.9 16.2 24.2

61 23.1 18.6 27.8

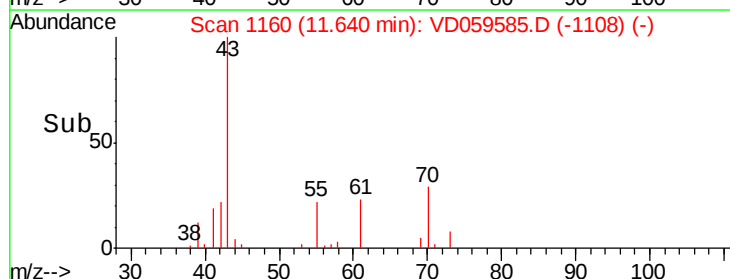
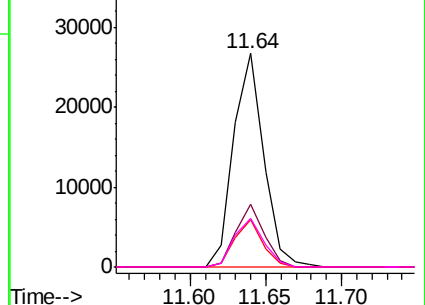


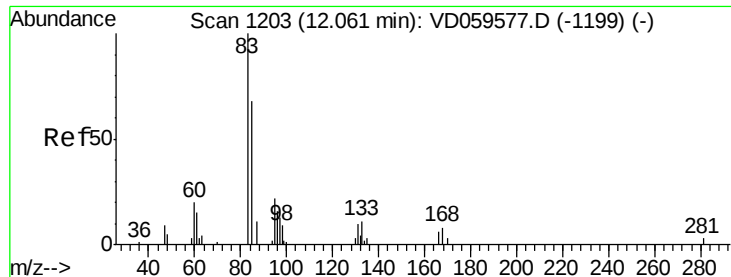
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.24 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

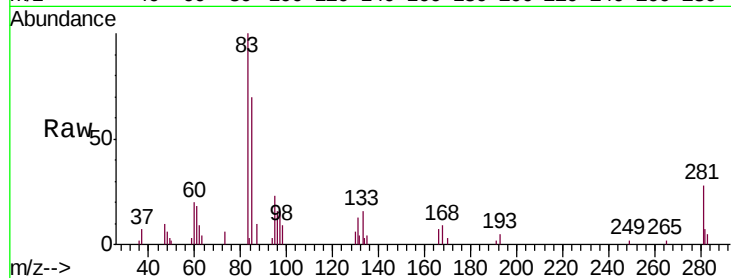
Tot Ion: 83 Resp: 22529

Ion Ratio Lower Upper

83 100

131 12.6 5.1 15.2

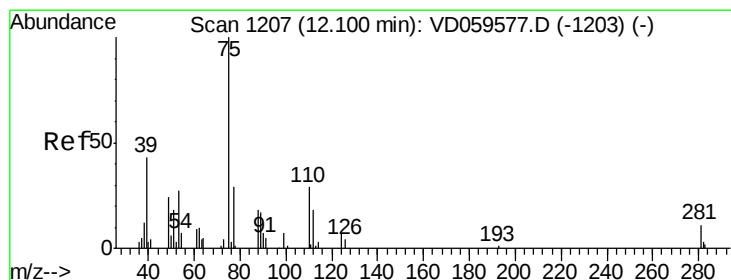
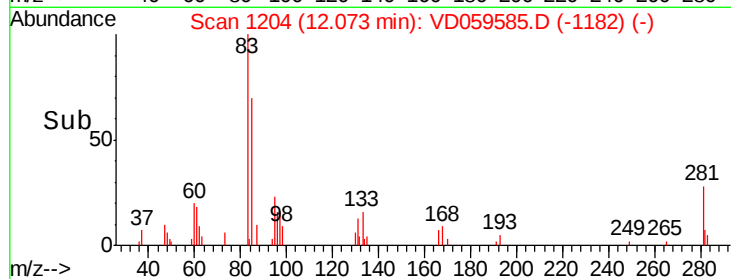
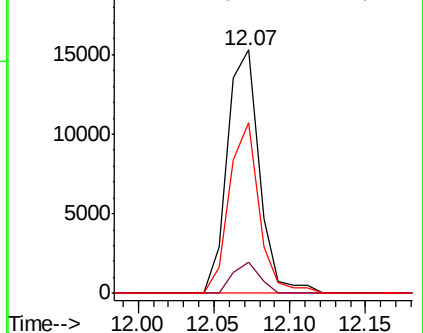
85 70.0 34.1 102.3



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: 22.03 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VD059585.D

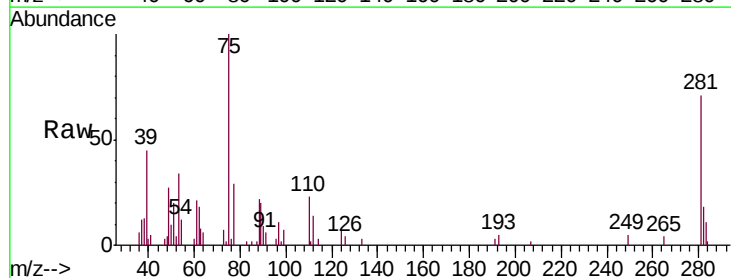
Acq: 25 Jul 2018 13:08

Tgt Ion: 75 Resp: 28112

Ion Ratio Lower Upper

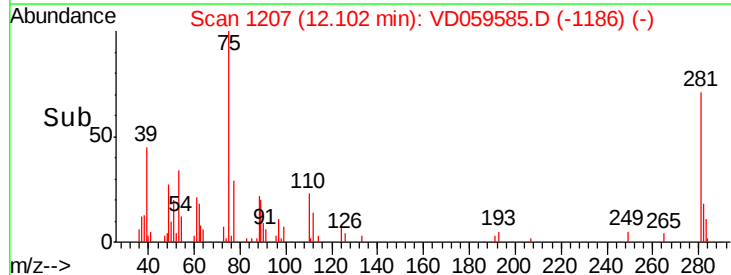
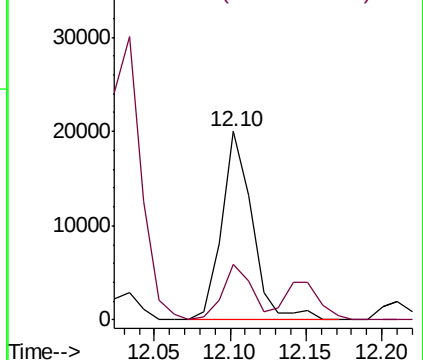
75 100

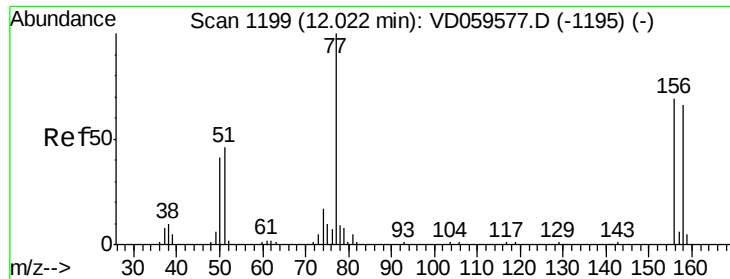
77 29.2 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

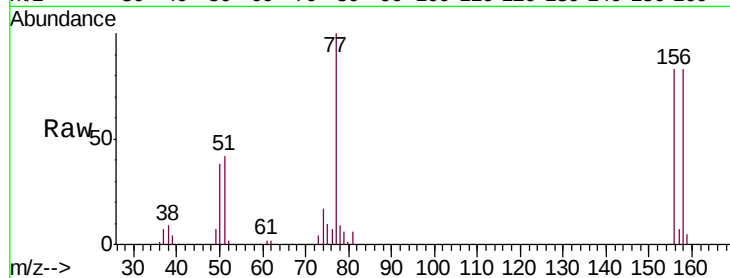




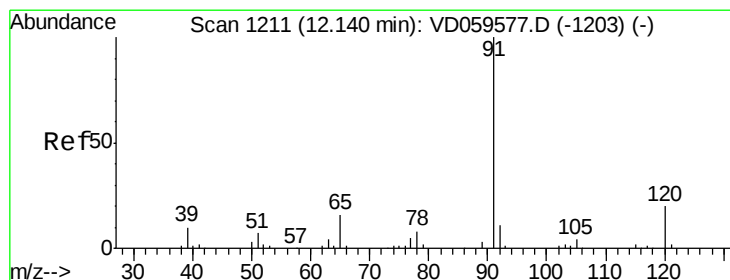
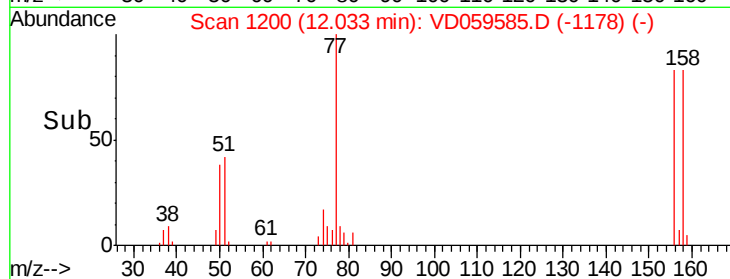
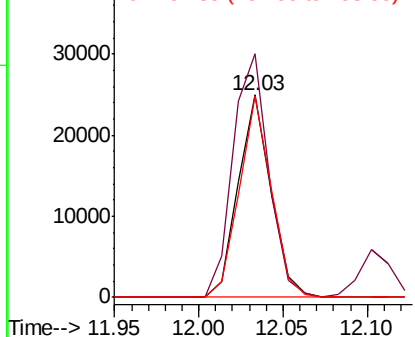
#77
Bromobenzene
Concen: 21.12 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

Tot Ion:156 Resp: 33713
Ion Ratio Lower Upper
156 100
77 120.3 72.4 217.2
158 99.6 48.0 144.2

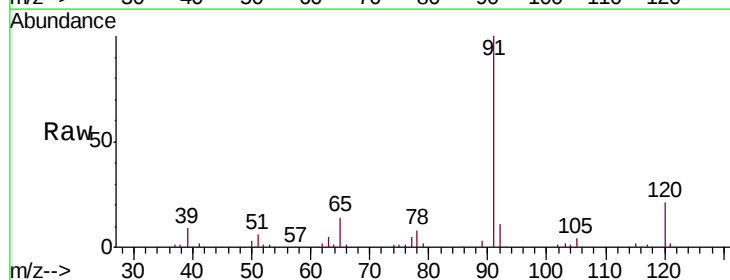


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

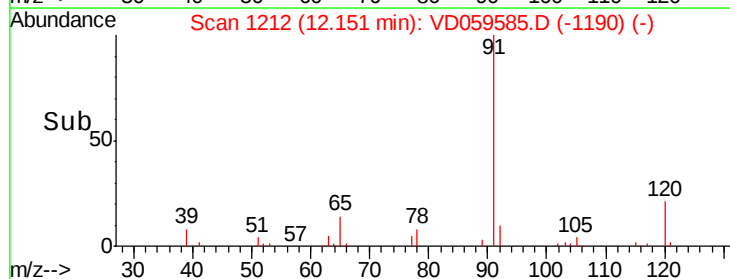
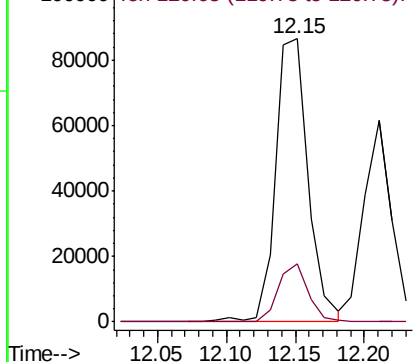


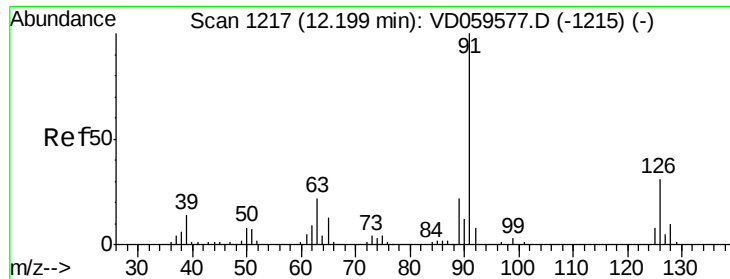
#78
n-propylbenzene
Concen: 21.23 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion: 91 Resp: 140602
Ion Ratio Lower Upper
91 100
120 20.8 9.9 29.7



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

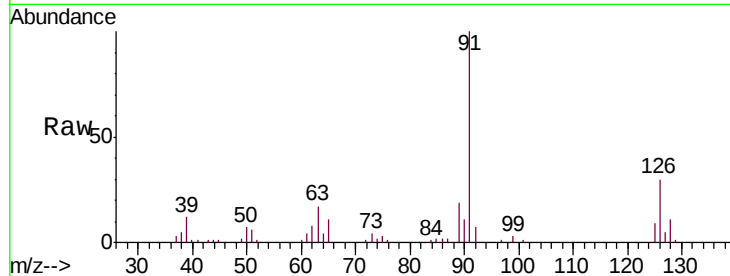




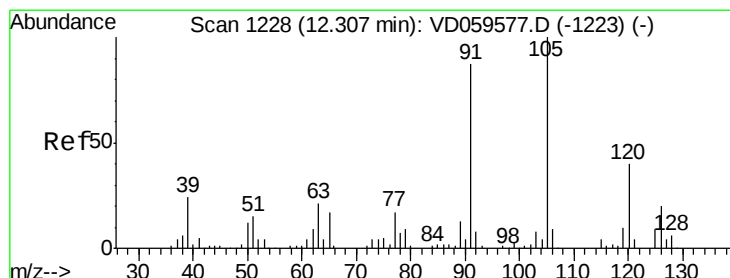
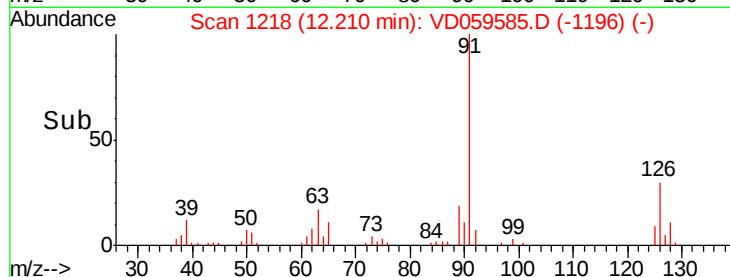
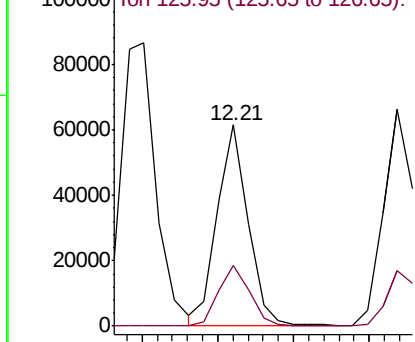
#79
 2-Chlorotoluene
 Concen: 22.21 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

Tot Ion: 91 Resp: 87723
 Ion Ratio Lower Upper
 91 100
 126 30.3 14.5 43.6

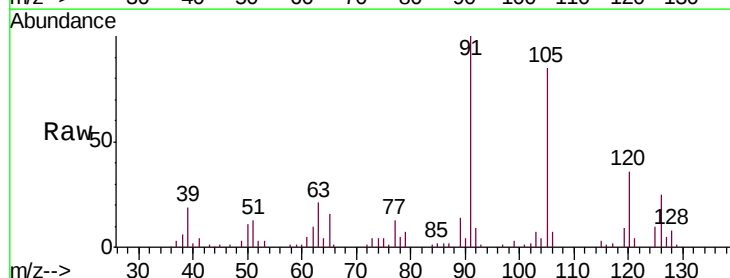


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

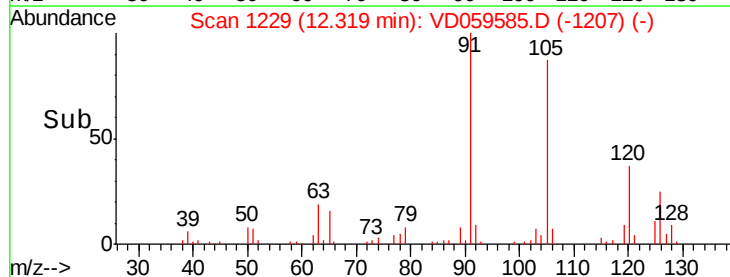
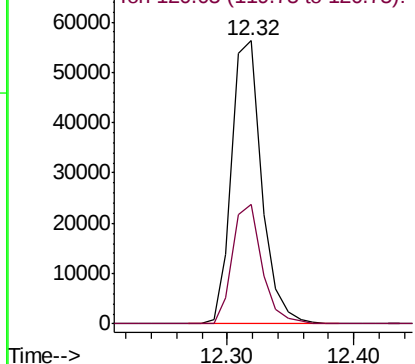


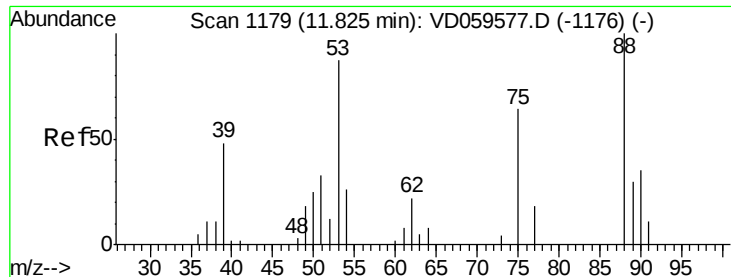
#80
 1,3,5-Trimethylbenzene
 Concen: 21.54 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Tgt Ion: 105 Resp: 92722
 Ion Ratio Lower Upper
 105 100
 120 42.3 19.9 59.6



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

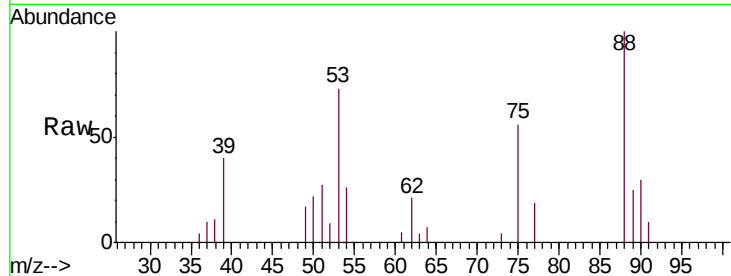




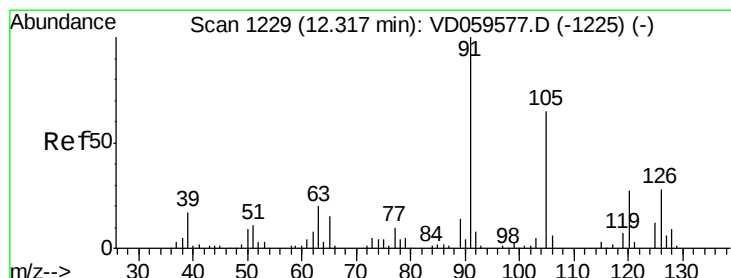
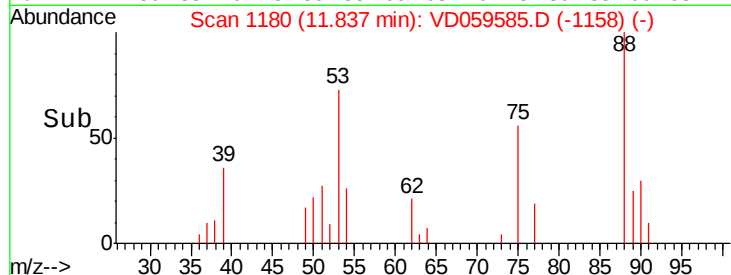
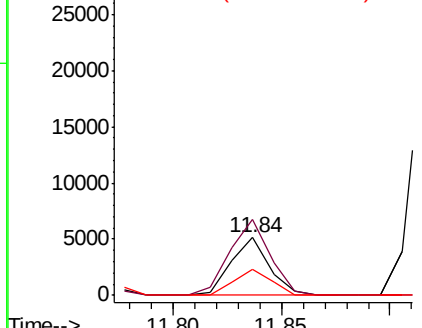
#81
trans-1,4-Dichloro-2-butene
Concen: 19.56 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

Tot Ion: 75 Resp: 6381
Ion Ratio Lower Upper
75 100
53 130.8 107.7 161.5
89 44.9 37.3 55.9

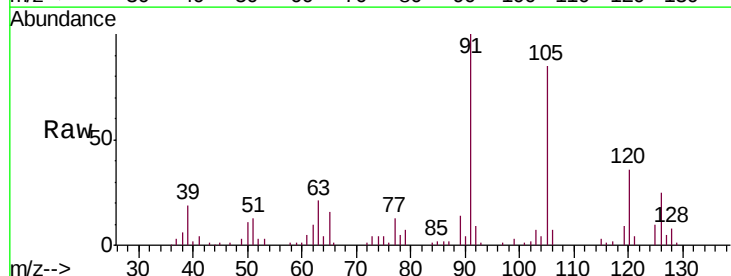


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

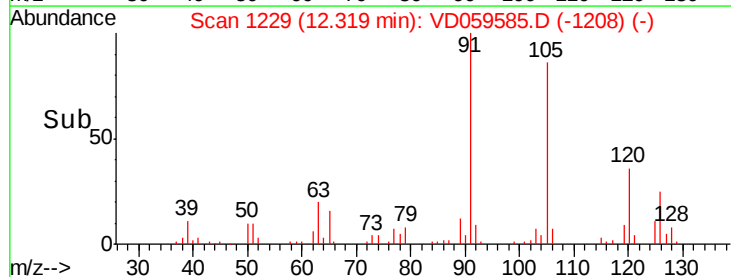
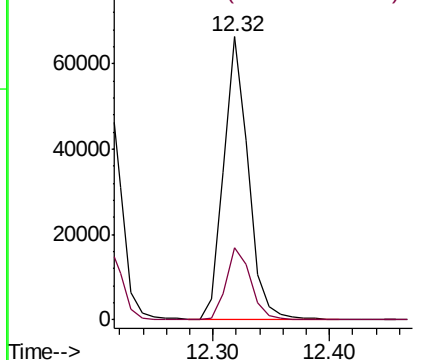


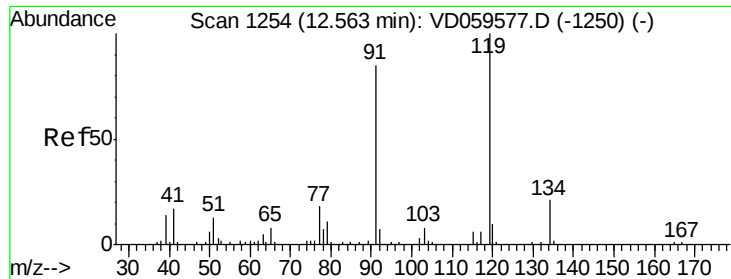
#82
4-Chlorotoluene
Concen: 21.76 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion: 91 Resp: 97181
Ion Ratio Lower Upper
91 100
126 25.4 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 20.99 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

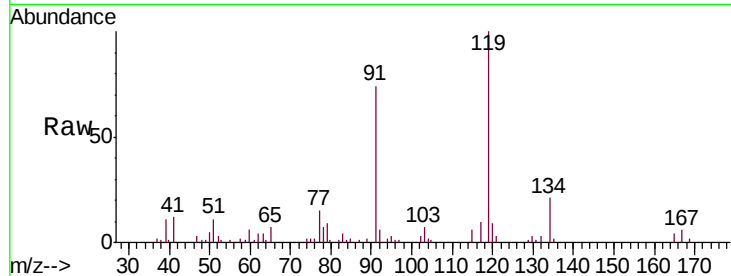
Tot Ion:119 Resp: 101700

Ion Ratio Lower Upper

119 100

91 74.3 42.5 127.5

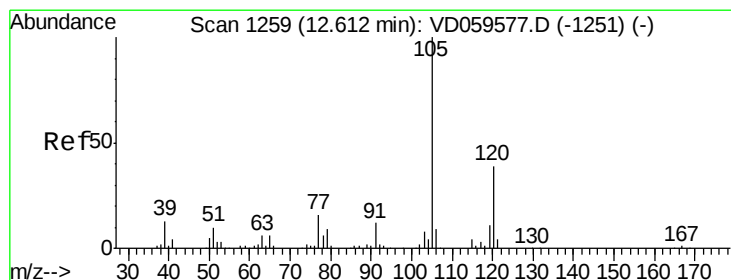
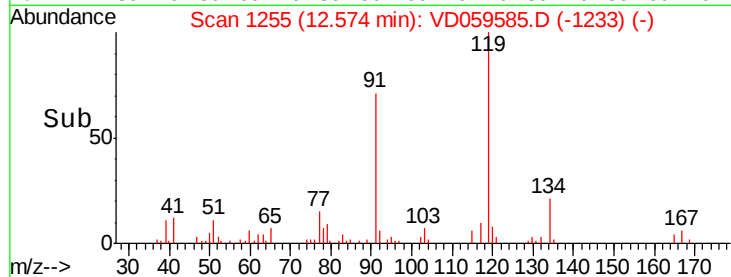
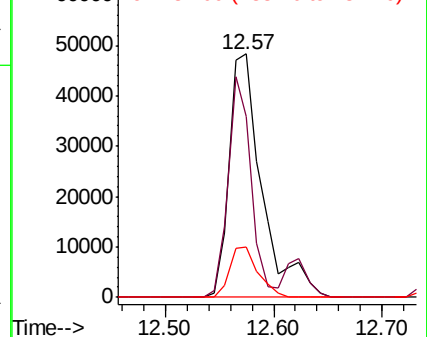
134 20.8 10.5 31.6



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: 20.91 ug/l

RT: 12.62 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VD059585.D

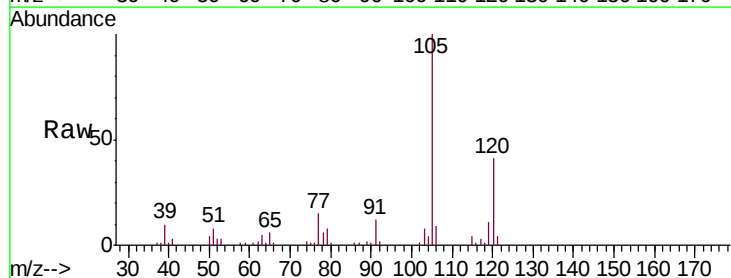
Acq: 25 Jul 2018 13:08

Tgt Ion:105 Resp: 95697

Ion Ratio Lower Upper

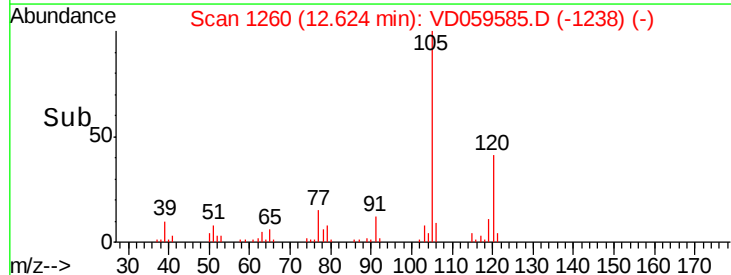
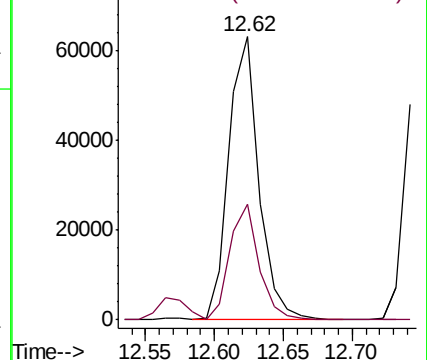
105 100

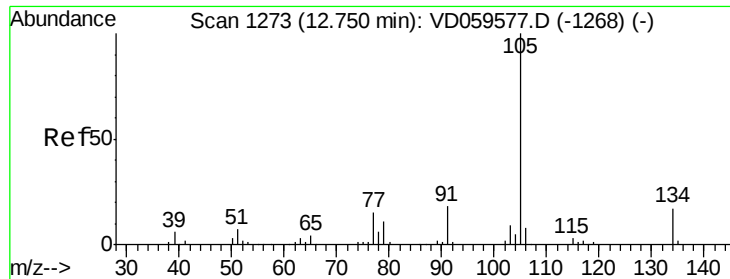
120 40.8 19.3 57.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.41 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

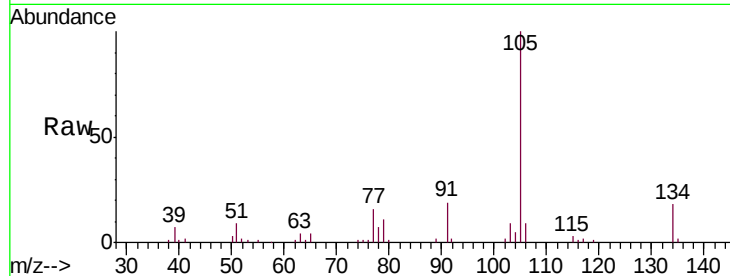
VD0725SBS01

Tot Ion:105 Resp: 107487

Ion Ratio Lower Upper

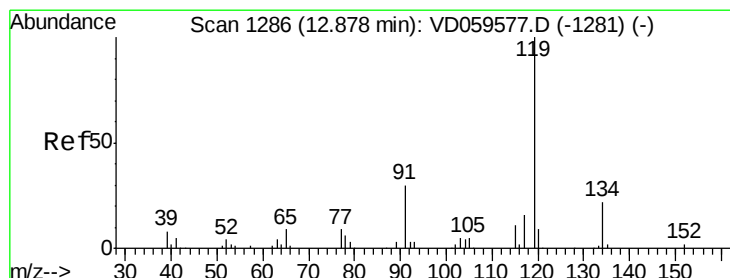
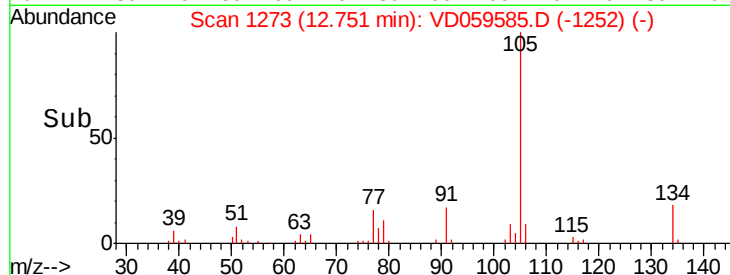
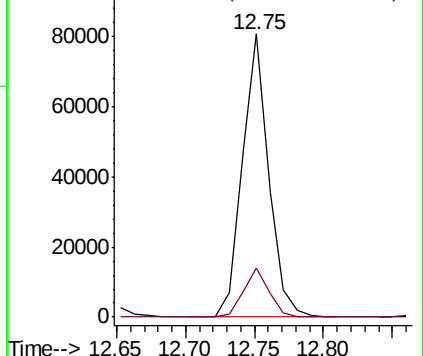
105 100

134 17.5 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.55 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

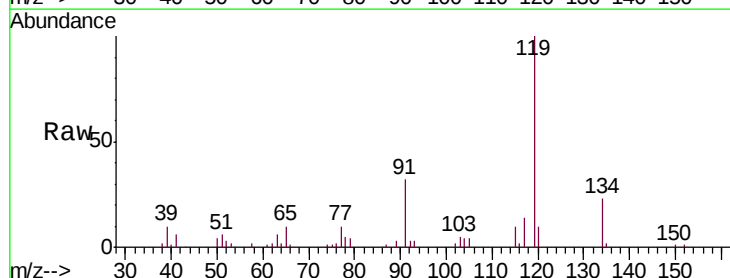
Tgt Ion:119 Resp: 95903

Ion Ratio Lower Upper

119 100

134 22.6 11.2 33.6

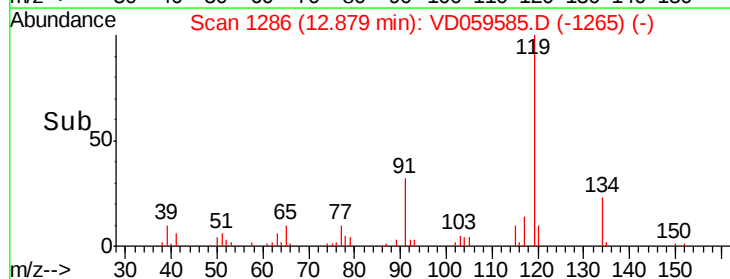
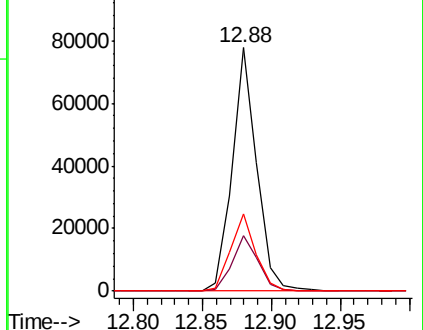
91 31.5 15.0 45.1

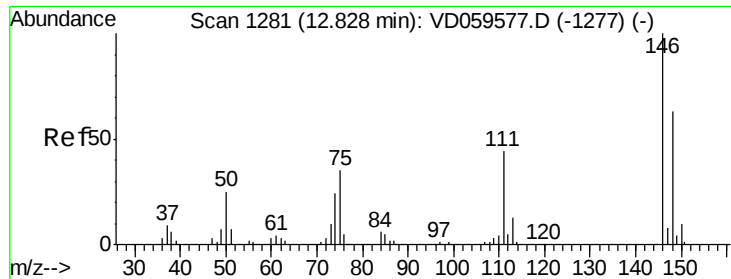


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

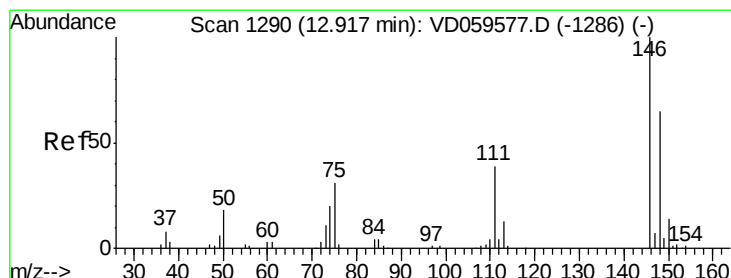
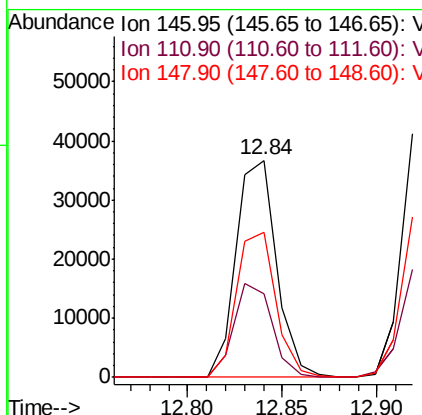
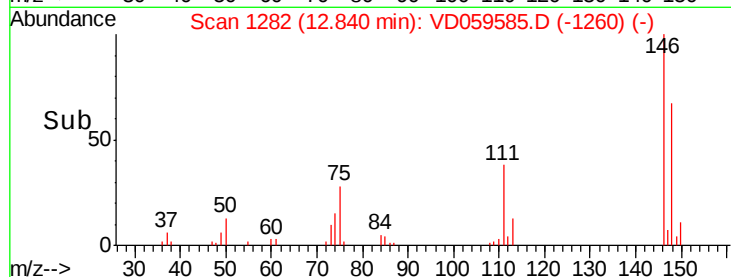
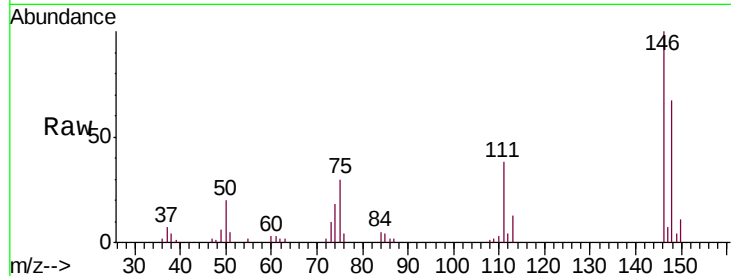




#87
 1,3-Dichlorobenzene
 Concen: 20.08 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

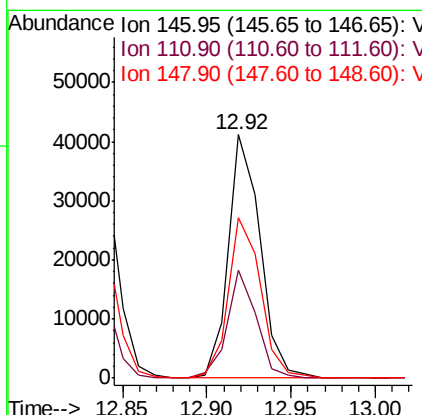
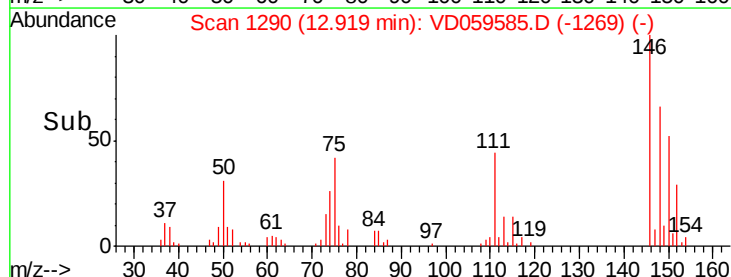
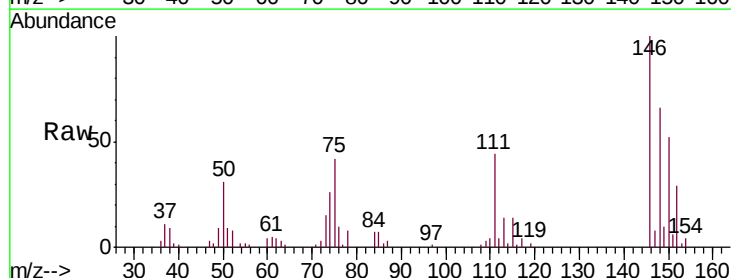
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

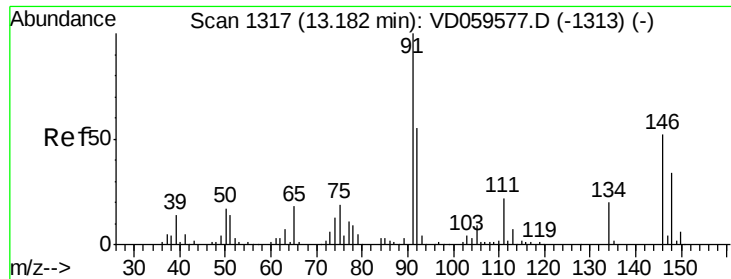
Tot Ion:146 Resp: 54193
 Ion Ratio Lower Upper
 146 100
 111 38.5 22.2 66.6
 148 66.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.73 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Tgt Ion:146 Resp: 53899
 Ion Ratio Lower Upper
 146 100
 111 44.3 19.3 57.9
 148 66.0 32.4 97.2

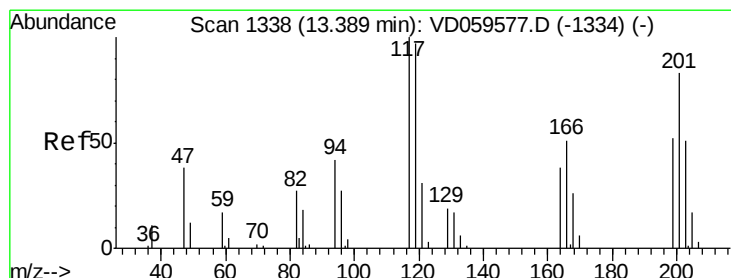
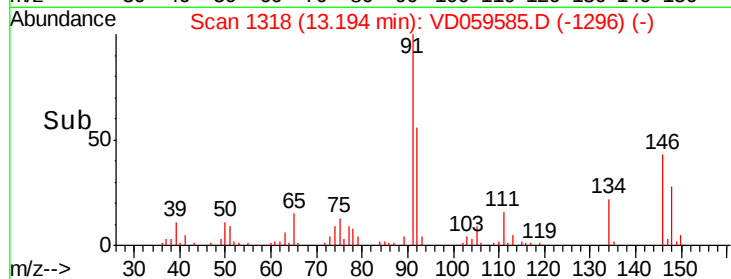
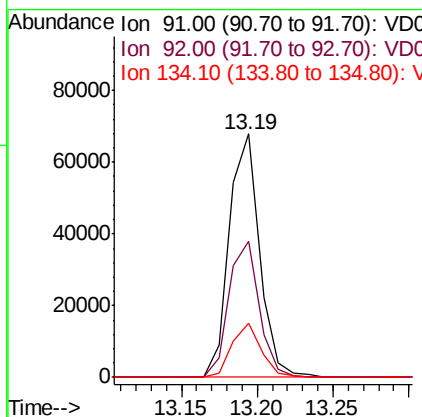
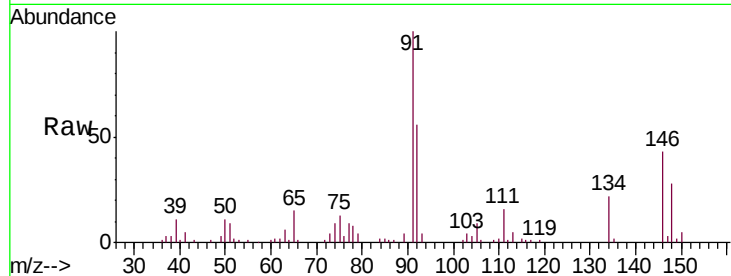




#89
n-Butylbenzene
Concen: 20.86 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

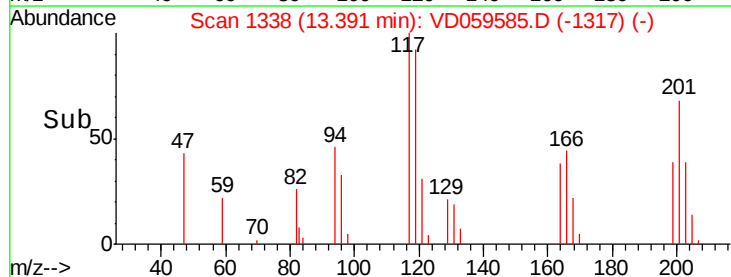
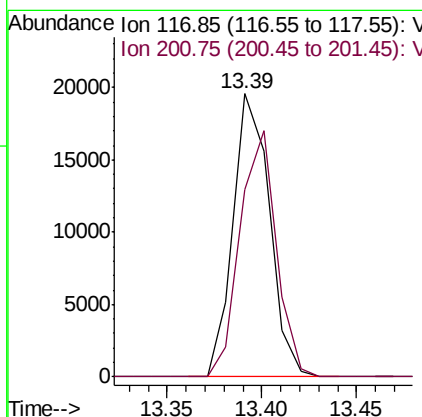
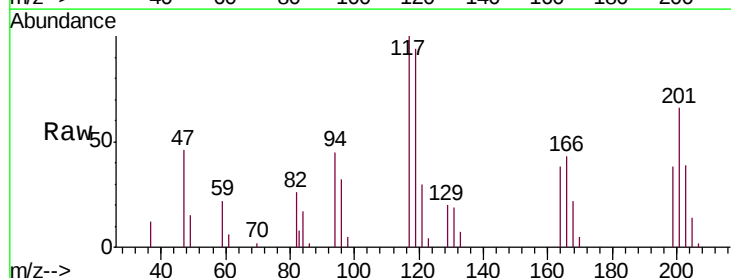
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

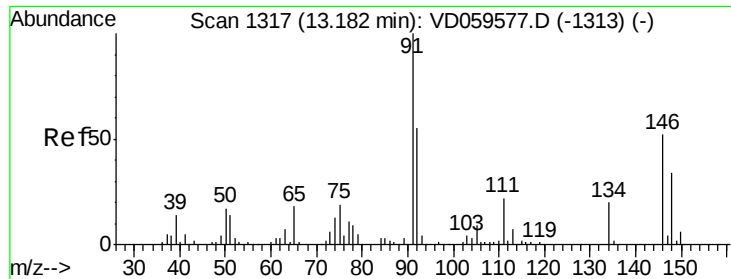
Tot Ion: 91 Resp: 93994
Ion Ratio Lower Upper
91 100
92 55.8 27.6 82.7
134 22.0 10.1 30.3



#90
Hexachloroethane
Concen: 20.80 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. 0.00 min
Lab File: VD059585.D
Acq: 25 Jul 2018 13:08

Tgt Ion: 117 Resp: 25937
Ion Ratio Lower Upper
117 100
201 66.3 41.5 124.5

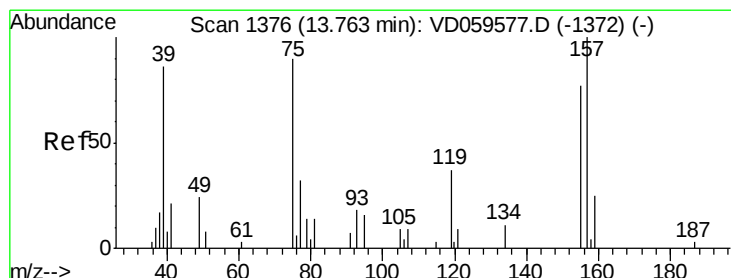
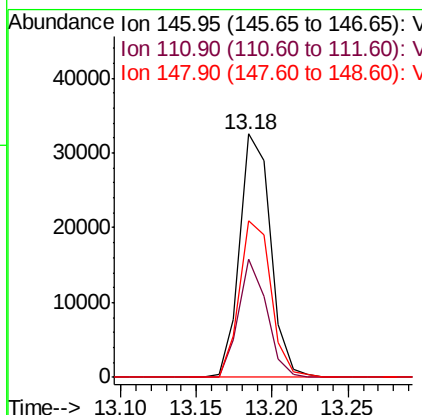
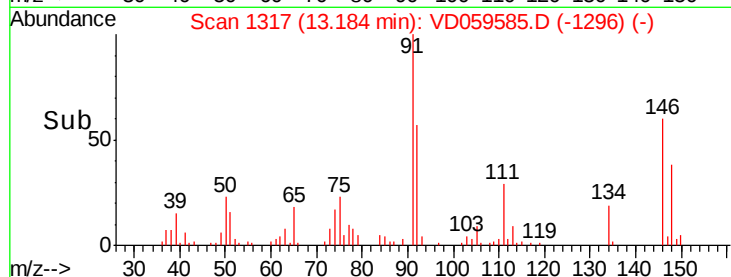
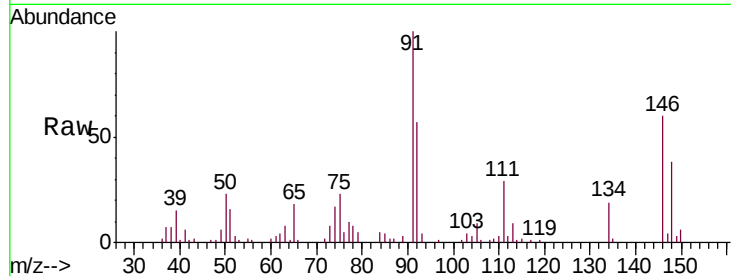




#91
 1,2-Dichlorobenzene
 Concen: 20.42 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

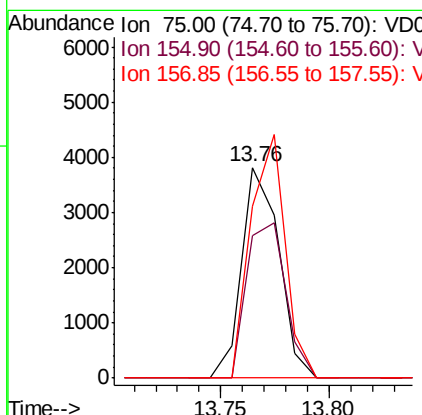
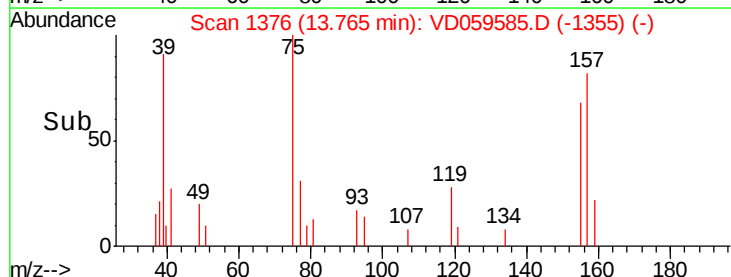
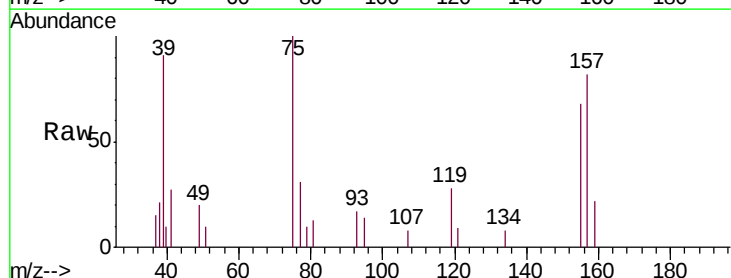
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

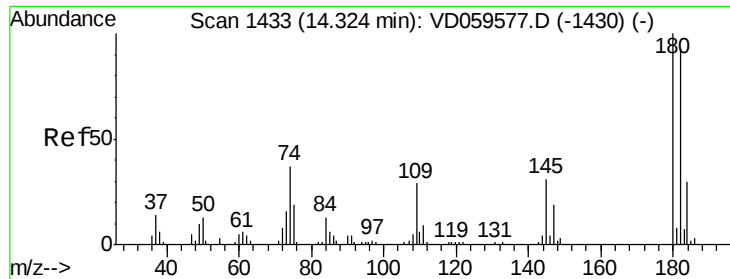
Tot Ion:146 Resp: 46244
 Ion Ratio Lower Upper
 146 100
 111 48.3 21.4 64.3
 148 64.1 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.49 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Tgt Ion: 75 Resp: 4599
 Ion Ratio Lower Upper
 75 100
 155 68.0 42.5 127.5
 157 81.9 55.5 166.3

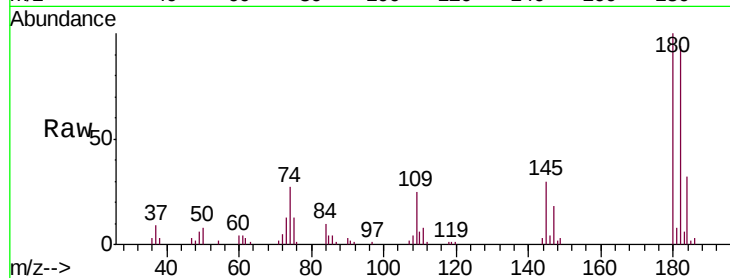




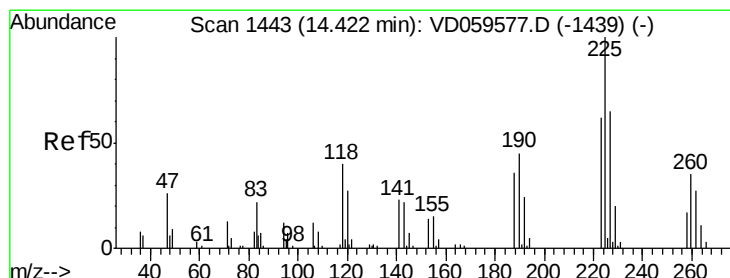
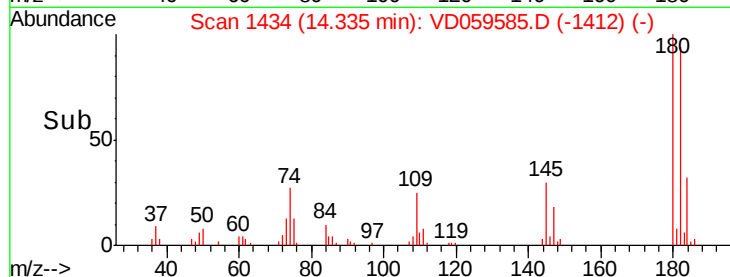
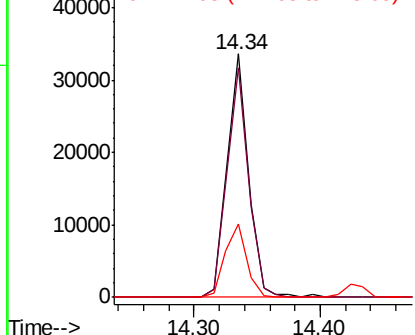
#93
 1,2,4-Trichlorobenzene
 Concen: 20.88 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

Tot Ion:180 Resp: 39163
 Ion Ratio Lower Upper
 180 100
 182 94.3 46.4 139.2
 145 30.2 15.7 47.0

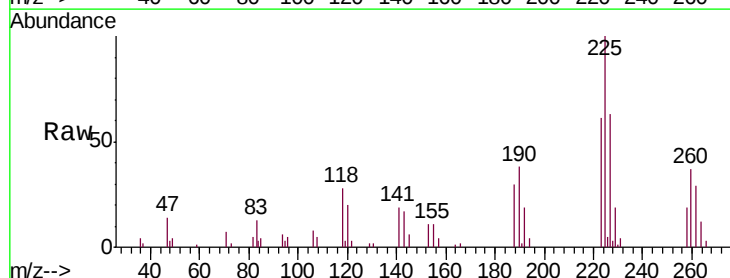


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

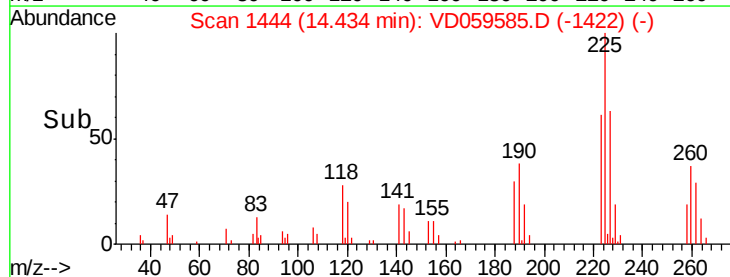
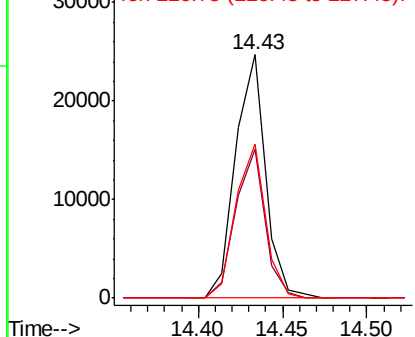


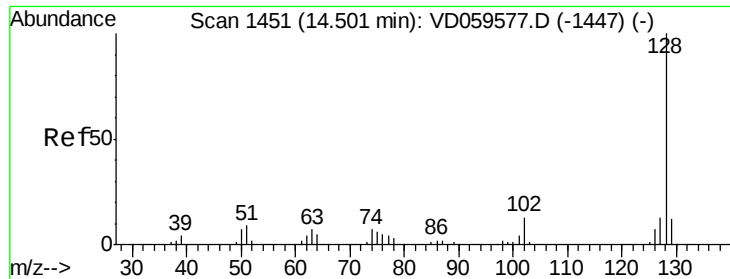
#94
 Hexachlorobutadiene
 Concen: 20.70 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059585.D
 Acq: 25 Jul 2018 13:08

Tgt Ion:225 Resp: 30621
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.1 93.5
 227 63.5 32.4 97.2



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: 19.52 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

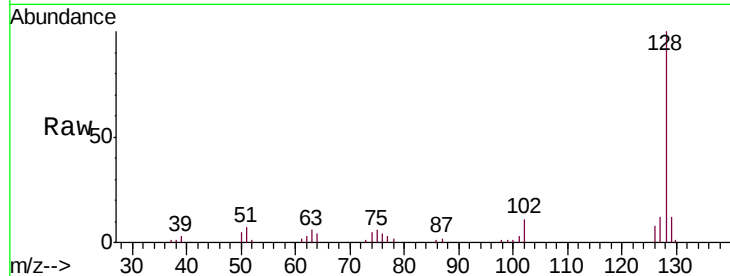
Tot Ion:128 Resp: 52062

Ion Ratio Lower Upper

128 100

127 12.3 10.5 15.7

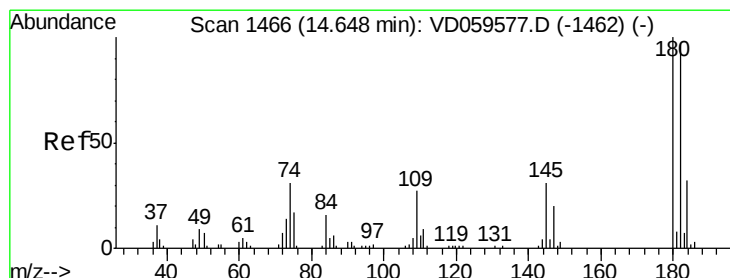
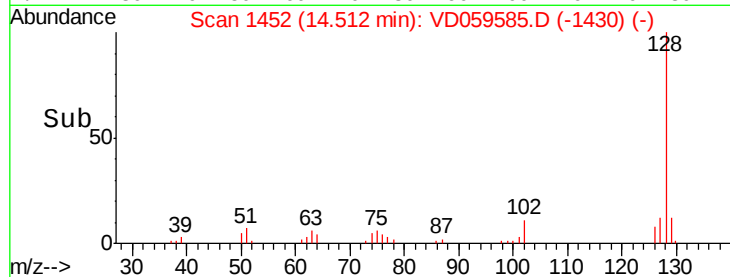
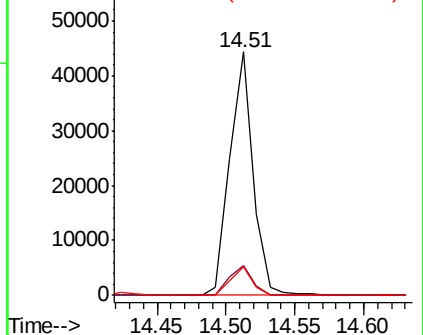
129 11.6 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.93 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD059585.D

Acq: 25 Jul 2018 13:08

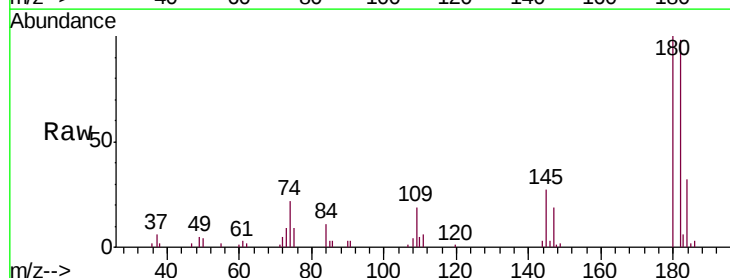
Tgt Ion:180 Resp: 33817

Ion Ratio Lower Upper

180 100

182 98.2 48.6 145.9

145 27.3 15.6 46.7



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

