

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059625.D
 Acq On : 30 Jul 2018 17:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 31 05:00:47 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	5.61	168	144903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	186174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	145237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	78157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	96521	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
35) Dibromofluoromethane	5.51	113	86434	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
50) Toluene-d8	8.68	98	181475	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.92	95	84452	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.31	85	73240	45.30	ug/l	96
3) Chloromethane	1.46	50	35935	39.68	ug/l	99
4) Vinyl Chloride	1.53	62	44466	47.18	ug/l	98
5) Bromomethane	1.76	94	11749	64.98	ug/l	92
6) Chloroethane	1.85	64	24405	88.52	ug/l	97
7) Trichlorofluoromethane	2.05	101	90331	56.18	ug/l	97
8) Diethyl Ether	2.32	74	15704	51.57	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.52	101	46182	54.51	ug/l	96
10) Methyl Iodide	2.66	142	56263	51.13	ug/l	95
11) Tert butyl alcohol	3.23	59	18494	254.48	ug/l	97
12) 1,1-Dichloroethene	2.51	96	34020	55.40	ug/l	98
13) Acrolein	2.45	56	14489	386.98	ug/l	82
14) Allyl chloride	2.89	41	78890	52.98	ug/l	96
15) Acrylonitrile	3.32	53	46791	296.87	ug/l	98
16) Acetone	2.58	43	80746	293.51	ug/l	97
17) Carbon Disulfide	2.72	76	121350	49.75	ug/l	99
18) Methyl Acetate	2.91	43	31582	57.41	ug/l	99
19) Methyl tert-butyl Ether	3.37	73	143533	69.73	ug/l	93
20) Methylene Chloride	3.04	84	39325	50.13	ug/l	92
21) trans-1,2-Dichloroethene	3.35	96	43638	65.90	ug/l	99
22) Diisopropyl ether	4.04	45	185762	47.44	ug/l	98
23) Vinyl Acetate	3.98	43	602713	242.54	ug/l	99
24) 1,1-Dichloroethane	3.93	63	116137	46.99	ug/l	99
25) 2-Butanone	4.81	43	101794	242.64	ug/l	99
26) 2,2-Dichloropropane	4.76	77	133903	52.90	ug/l	96
27) cis-1,2-Dichloroethene	4.77	96	66800	50.50	ug/l	99
28) Bromochloromethane	5.11	49	48961	50.06	ug/l	98
29) Tetrahydrofuran	5.15	42	44085	226.95	ug/l	98
30) Chloroform	5.29	83	153890	52.05	ug/l	99
31) Cyclohexane	5.55	56	78786	49.63	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	150237	52.49	ug/l	99
36) 1,1-Dichloropropene	5.71	75	99510	53.27	ug/l	96
37) Ethyl Acetate	4.90	43	49446	51.45	ug/l	96
38) Carbon Tetrachloride	5.69	117	138583	54.17	ug/l	95

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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)
39) Methylcyclohexane	7.26	83	82087	47.78	ug/l	97
40) Benzene	5.99	78	186231	48.61	ug/l	99
41) Methacrylonitrile	5.09	41	25849	53.90	ug/l	98
42) 1,2-Dichloroethane	6.10	62	123753	53.61	ug/l	100
43) Isopropyl Acetate	7.59	43	67908	50.96	ug/l	96
44) Trichloroethene	6.95	130	74584	53.67	ug/l	94
45) 1,2-Dichloropropane	7.32	63	52942	49.35	ug/l	96
46) Dibromomethane	7.43	93	47347	52.21	ug/l	92
47) Bromodichloromethane	7.72	83	116761	53.91	ug/l	97
48) Methyl methacrylate	7.48	41	46512	52.63	ug/l	97
49) 1,4-Dioxane	7.46	88	8234	996.12	ug/l	98
51) 4-Methyl-2-Pentanone	8.57	43	223951	251.67	ug/l	99
52) Toluene	8.78	92	125302	49.33	ug/l	94
53) t-1,3-Dichloropropene	9.16	75	101726	52.07	ug/l	100
54) cis-1,3-Dichloropropene	8.34	75	99884	51.49	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	48840	51.17	ug/l	99
56) Ethyl methacrylate	9.29	69	57044	52.68	ug/l	93
57) 1,3-Dichloropropane	9.65	76	77261	50.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.17	63	131396	258.25	ug/l	97
59) 2-Hexanone	9.76	43	167906	237.55	ug/l	97
60) Dibromochloromethane	9.94	129	83346	52.60	ug/l	95
61) 1,2-Dibromoethane	10.08	107	57759	51.07	ug/l	100
64) Tetrachloroethene	9.50	164	68296	51.89	ug/l	87
65) Chlorobenzene	10.71	112	150257	50.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	68939	53.23	ug/l	99
67) Ethyl Benzene	10.85	91	264546	51.69	ug/l	98
68) m/p-Xylenes	11.00	106	174250	101.94	ug/l	99
69) o-Xylene	11.40	106	81132	48.92	ug/l	98
70) Styrene	11.42	104	138580	50.39	ug/l	97
71) Bromoform	11.58	173	57563	54.59	ug/l	99
73) Isopropylbenzene	11.76	105	257754	46.68	ug/l	99
74) N-amyl acetate	11.63	43	92411	48.85	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	55610	49.33	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	63184	48.89	ug/l	95
77) Bromobenzene	12.03	156	80850	50.02	ug/l	95
78) n-propylbenzene	12.15	91	310709	46.31	ug/l	97
79) 2-Chlorotoluene	12.20	91	201429	50.36	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	216636	49.69	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	16042	48.55	ug/l	98
82) 4-Chlorotoluene	12.31	91	226023	49.97	ug/l	90
83) tert-Butylbenzene	12.57	119	243745	49.67	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	224245	48.39	ug/l	99
85) sec-Butylbenzene	12.75	105	270480	48.23	ug/l	98
86) p-Isopropyltoluene	12.87	119	225967	47.81	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	131857	48.24	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	132570	50.34	ug/l	98
89) n-Butylbenzene	13.19	91	219962	48.20	ug/l	98
90) Hexachloroethane	13.39	117	61436	48.64	ug/l	96
91) 1,2-Dichlorobenzene	13.19	146	108122	47.14	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	12511	55.05	ug/l	95

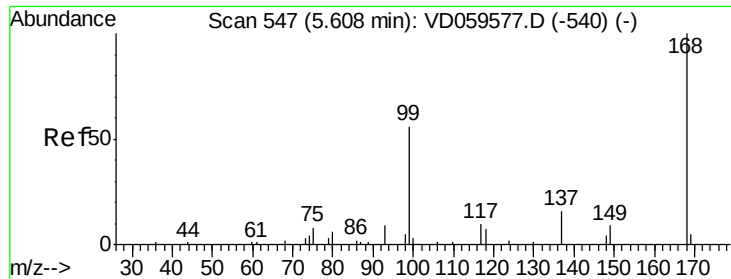
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073018\
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Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	96345	50.72	ug/l	97
94) Hexachlorobutadiene	14.43	225	76247	50.89	ug/l	97
95) Naphthalene	14.51	128	132715	49.13	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	86446	50.30	ug/l	100

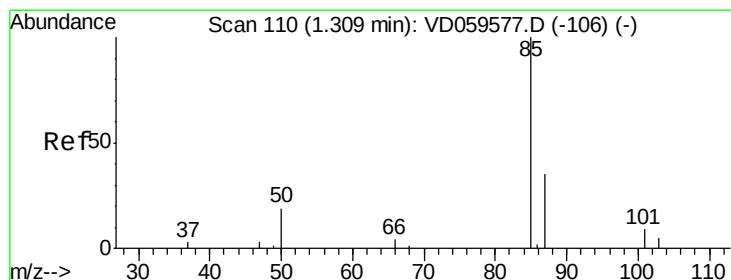
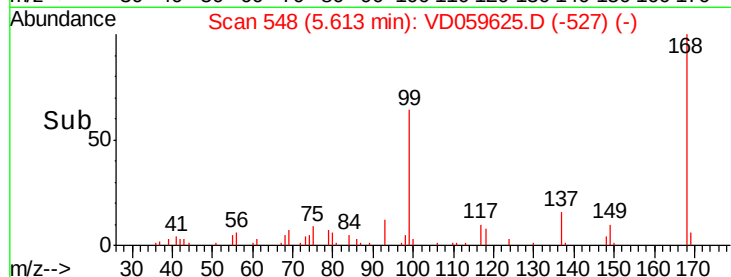
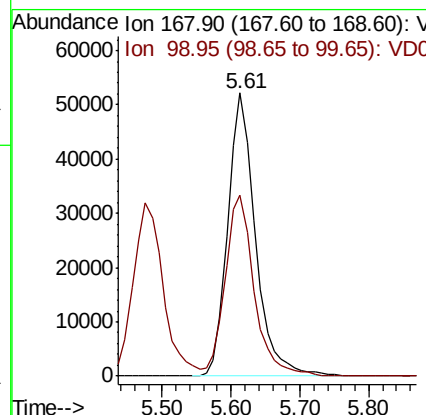
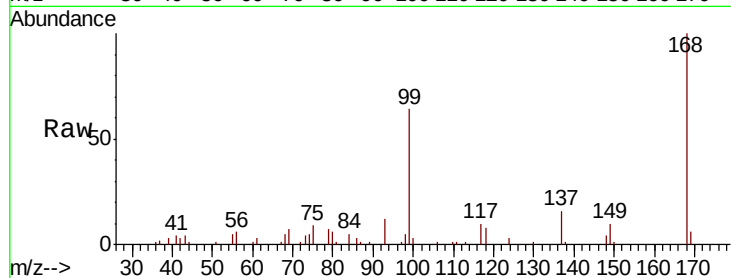
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.61 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

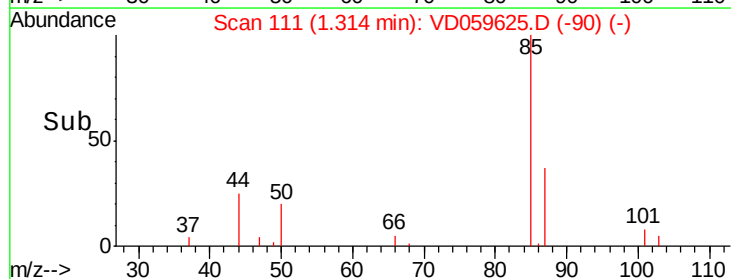
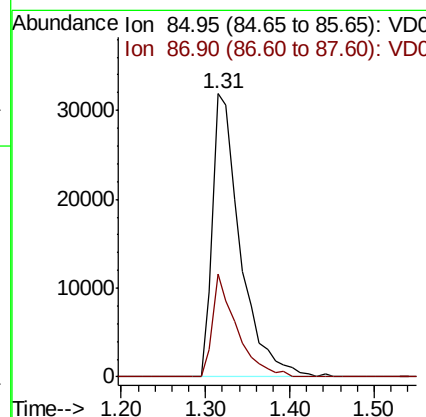
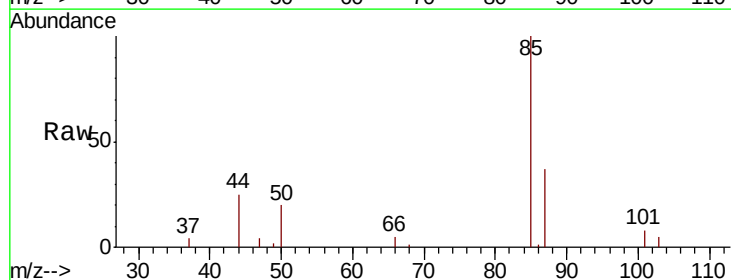
Instrument :
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VSTDCCC050

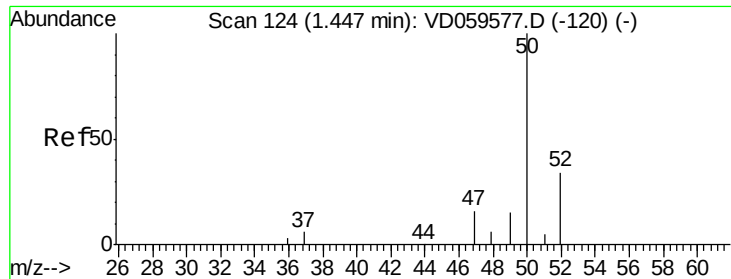
Tot Ion:168 Resp: 144903
Ion Ratio Lower Upper
168 100
99 64.0 47.3 70.9



#2
Dichlorodifluoromethane
Concen: 45.30 ug/l
RT: 1.31 min Scan# 111
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 85 Resp: 73240
Ion Ratio Lower Upper
85 100
87 36.6 17.3 51.7

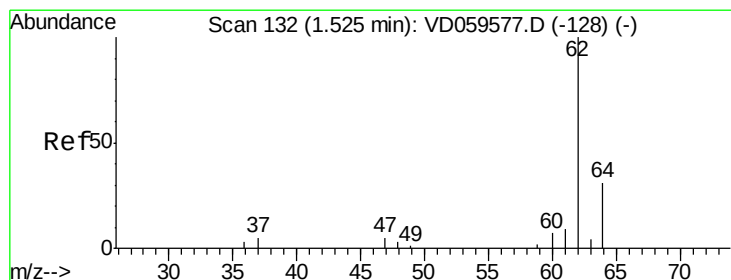
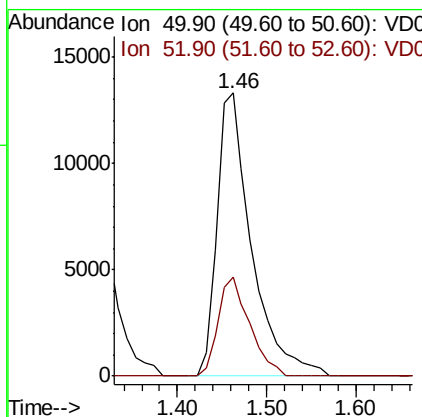
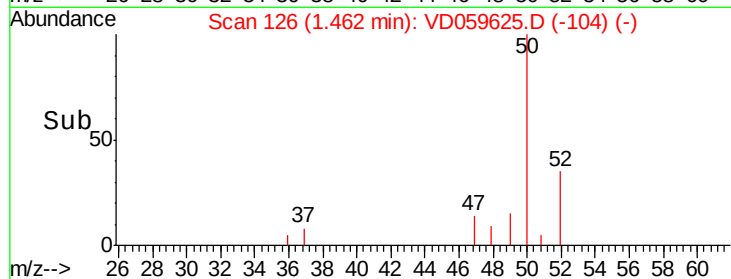
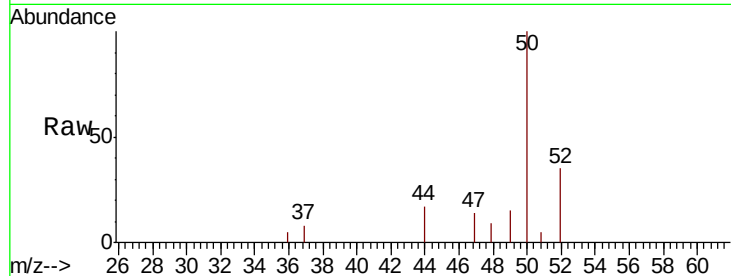




#3
 Chloromethane
 Concen: 39.68 ug/l
 RT: 1.46 min Scan# 126
 Delta R.T. 0.02 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

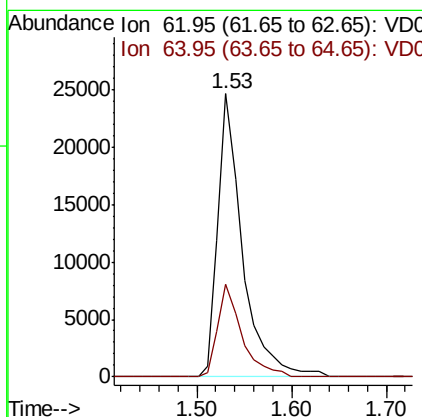
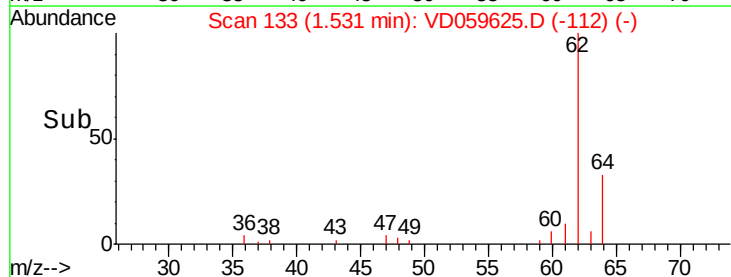
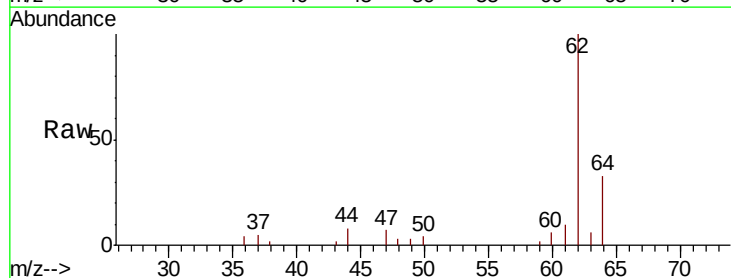
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

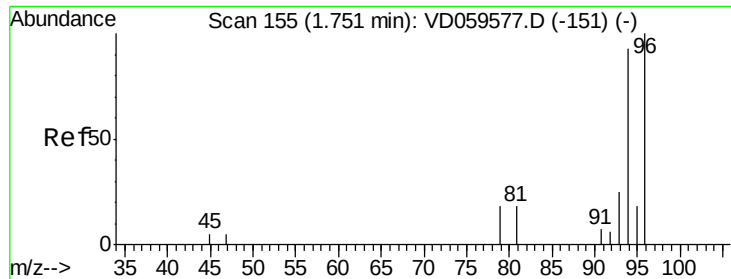
Tot Ion: 50 Resp: 35935
 Ion Ratio Lower Upper
 50 100
 52 34.9 27.3 40.9



#4
 Vinyl Chloride
 Concen: 47.18 ug/l
 RT: 1.53 min Scan# 133
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion: 62 Resp: 44466
 Ion Ratio Lower Upper
 62 100
 64 32.5 25.0 37.4





#5

Bromomethane

Concen: 64.98 ug/l

RT: 1.76 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

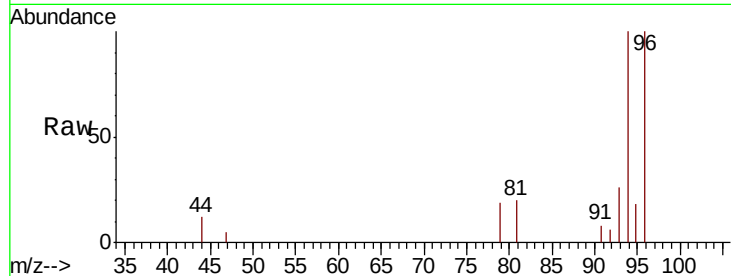
VSTDCCC050

Tot Ion: 94 Resp: 11749

Ion Ratio Lower Upper

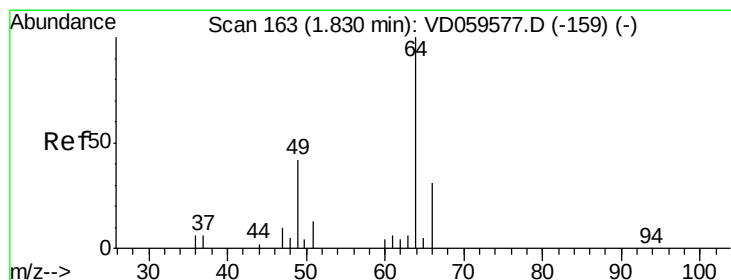
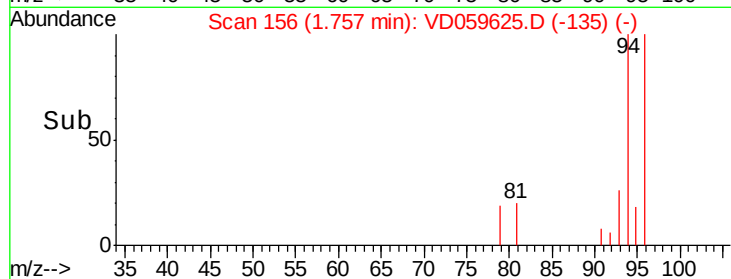
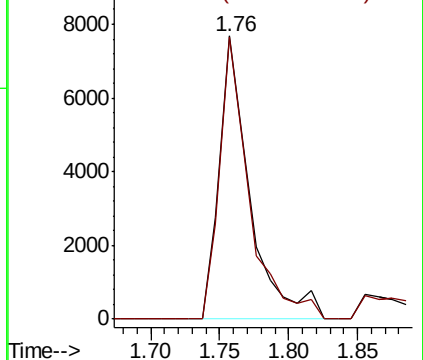
94 100

96 99.8 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 88.52 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD059625.D

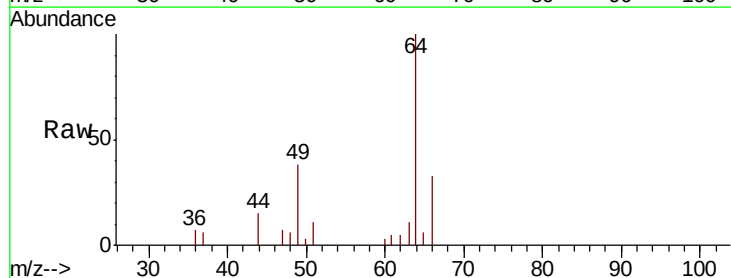
Acq: 30 Jul 2018 17:45

Tgt Ion: 64 Resp: 24405

Ion Ratio Lower Upper

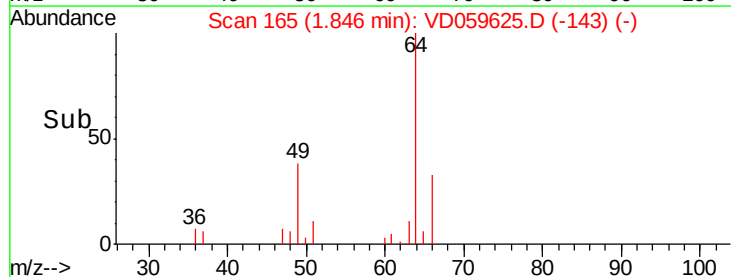
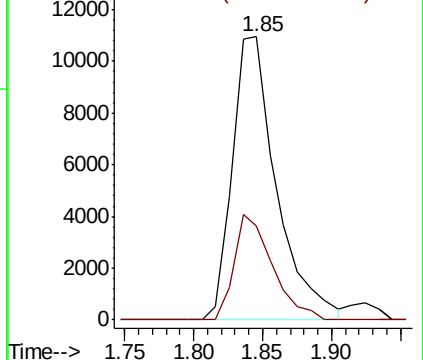
64 100

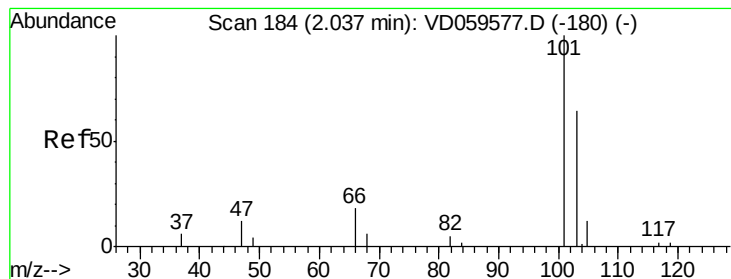
66 33.0 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



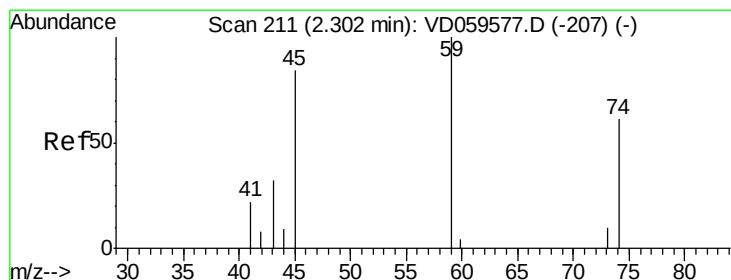
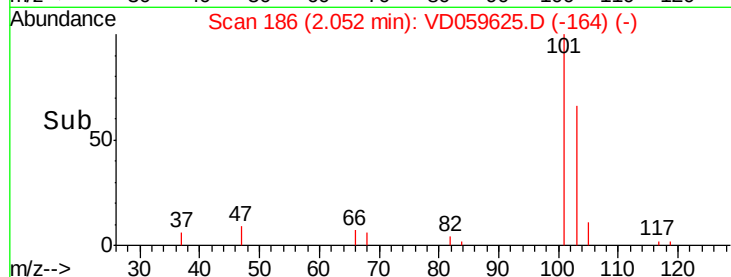
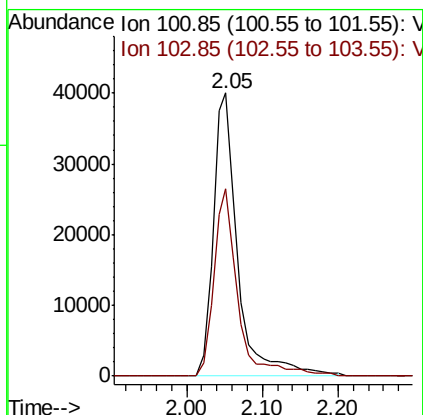
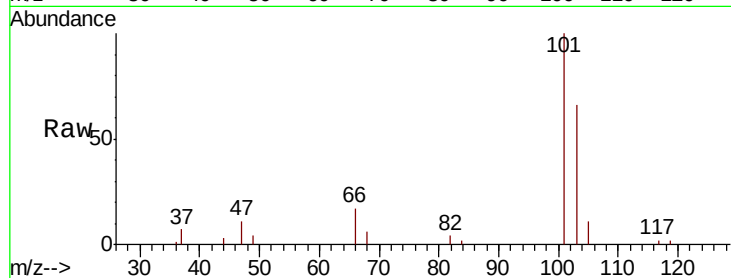


#7

Trichlorofluoromethane
 Concen: 56.18 ug/l
 RT: 2.05 min Scan# 186
 Delta R.T. 0.02 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Instrument :
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 ClientSampleId :
 VSTDCCC050

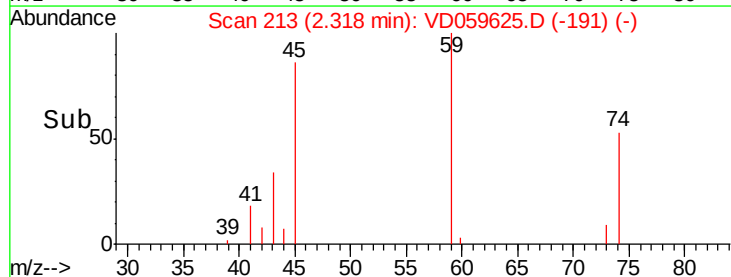
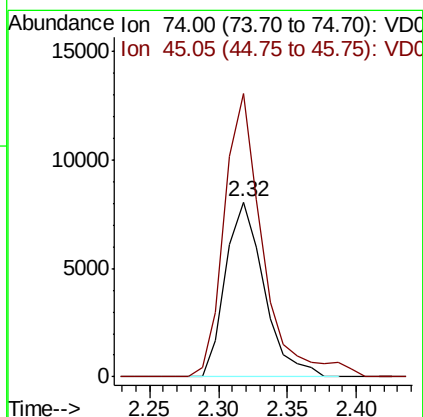
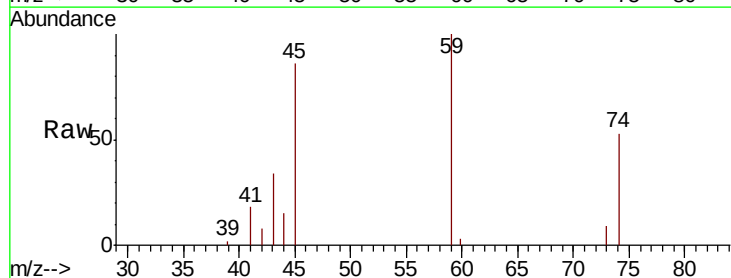
Tot Ion:101 Resp: 90331
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.9 76.3

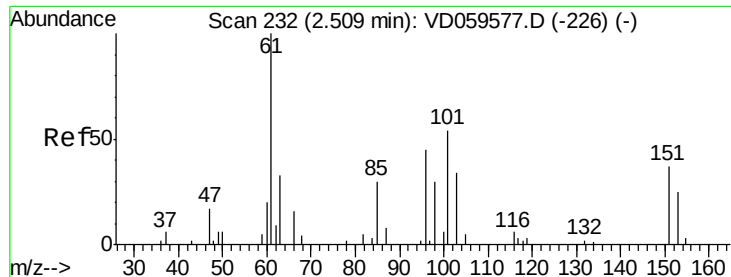


#8

Diethyl Ether
 Concen: 51.57 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.02 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion: 74 Resp: 15704
 Ion Ratio Lower Upper
 74 100
 45 161.6 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.51 ug/l

RT: 2.52 min Scan# 234

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

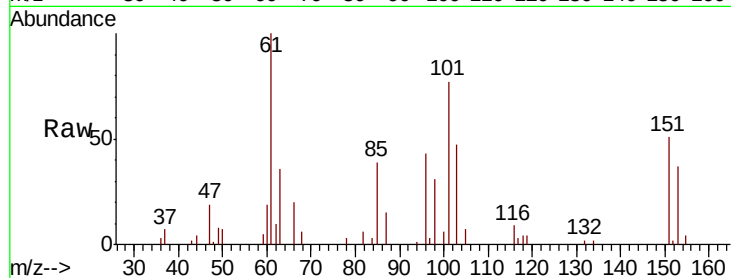
Tot Ion:101 Resp: 46182

Ion Ratio Lower Upper

101 100

85 50.7 44.5 66.7

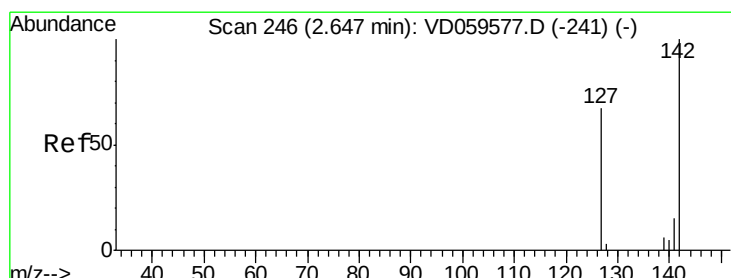
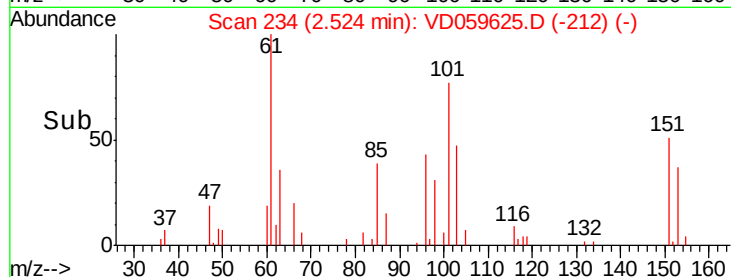
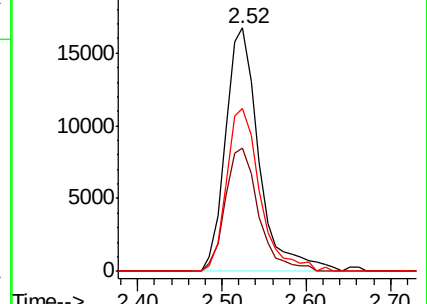
151 67.0 55.4 83.0



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: 51.13 ug/l

RT: 2.66 min Scan# 248

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

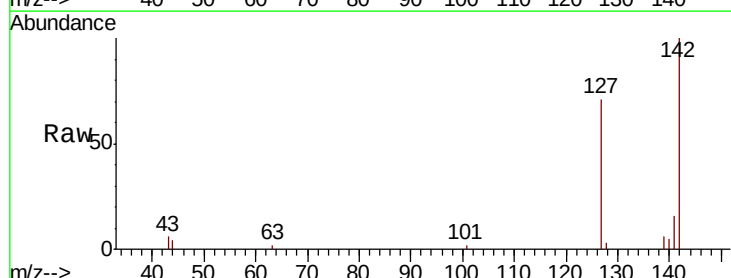
Tgt Ion:142 Resp: 56263

Ion Ratio Lower Upper

142 100

127 71.4 53.6 80.4

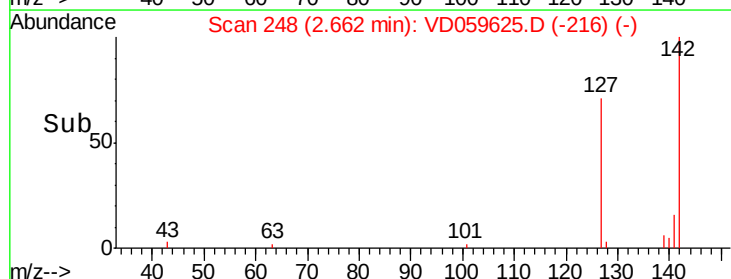
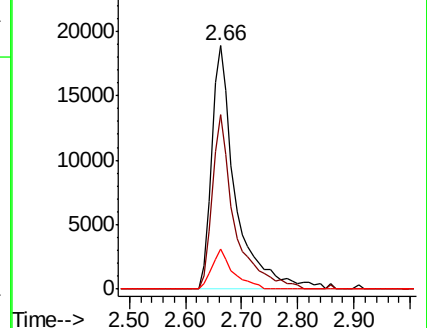
141 16.2 12.2 18.2

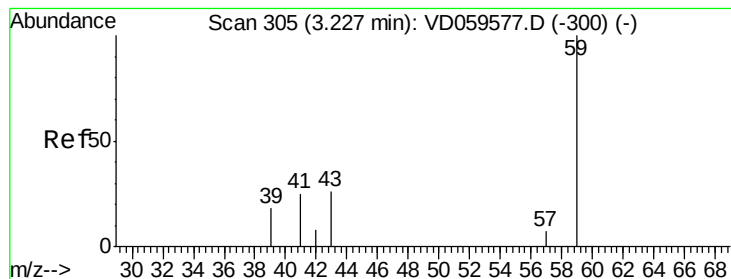


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



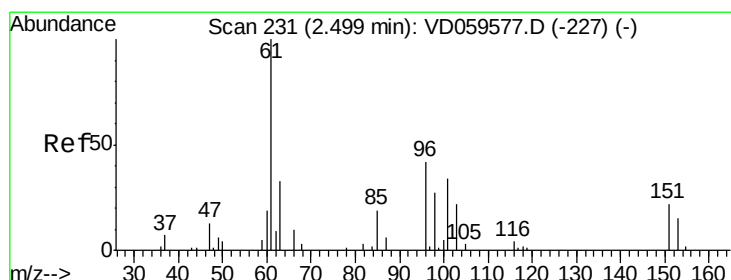
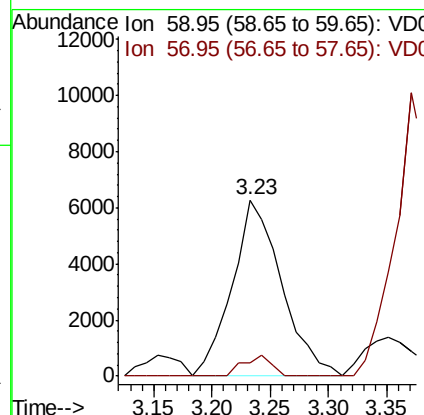
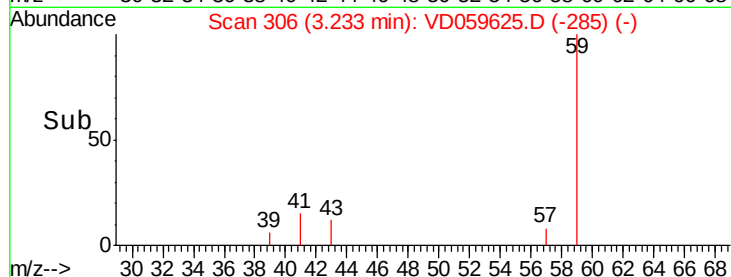
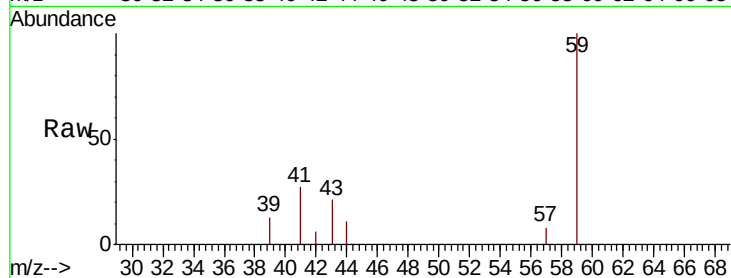


#11

Tert butyl alcohol
Concen: 254.48 ug/l
RT: 3.23 min Scan# 306
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

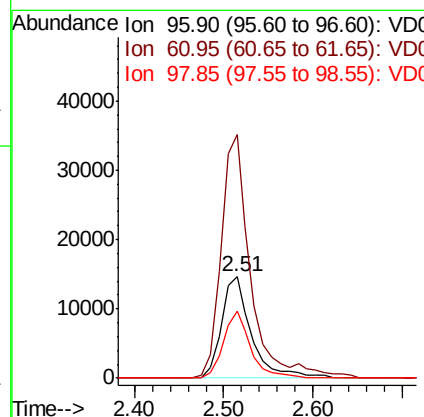
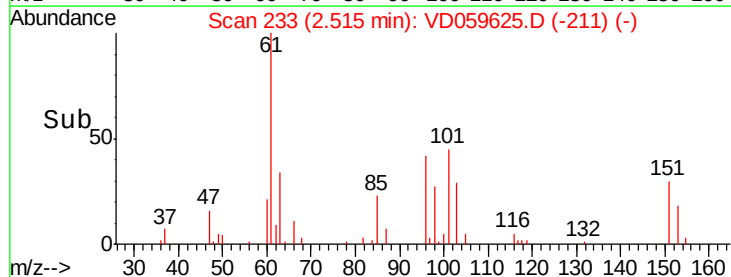
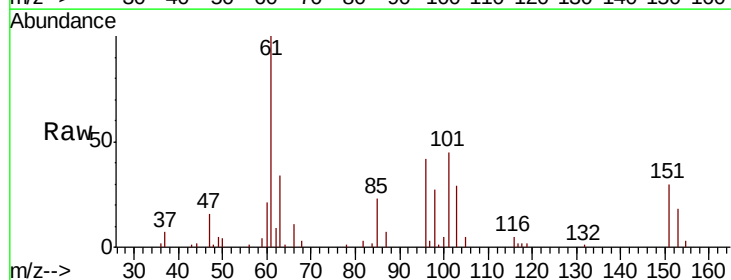
Tot Ion: 59 Resp: 18494
Ion Ratio Lower Upper
59 100
57 7.8 5.5 8.3

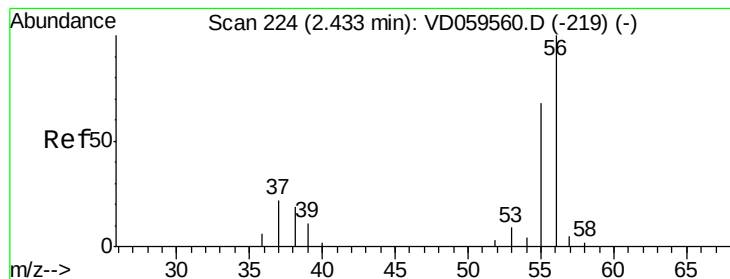


#12

1,1-Dichloroethene
Concen: 55.40 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 96 Resp: 34020
Ion Ratio Lower Upper
96 100
61 240.0 188.8 283.2
98 65.6 51.4 77.2





#13

Acrolein

Concen: 386.98 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

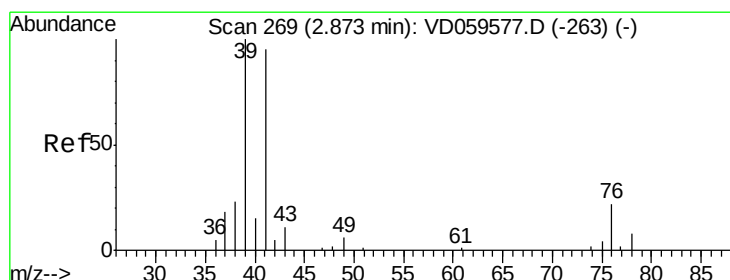
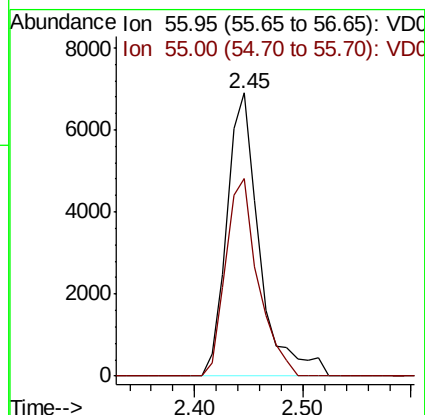
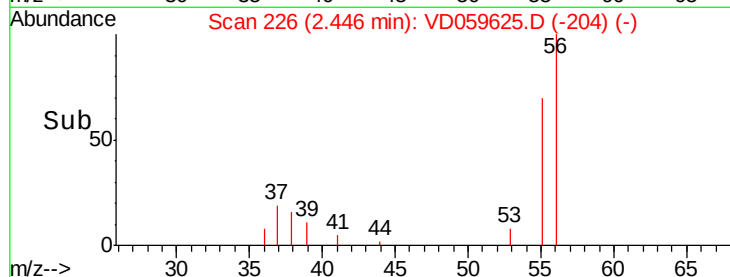
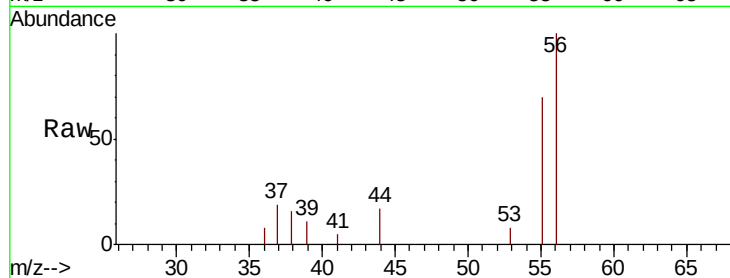
VSTDCCC050

Tot Ion: 56 Resp: 14489

Ion Ratio Lower Upper

56 100

55 69.6 69.1 103.7



#14

Allyl chloride

Concen: 52.98 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

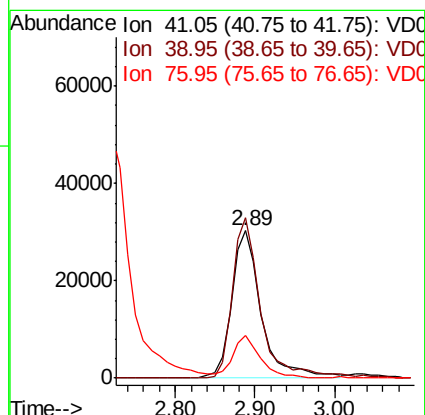
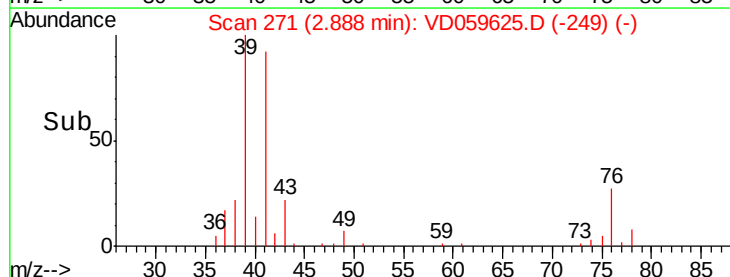
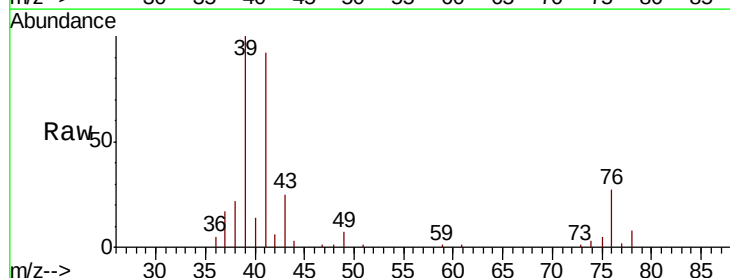
Tgt Ion: 41 Resp: 78890

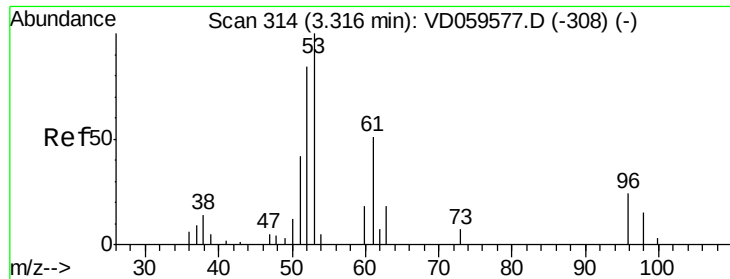
Ion Ratio Lower Upper

41 100

39 108.8 83.8 125.8

76 29.4 22.2 33.4





#15

Acrylonitrile

Concen: 296.87 ug/l

RT: 3.32 min Scan# 315

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

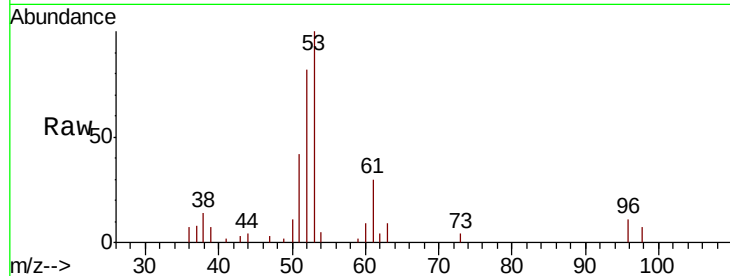
Tot Ion: 53 Resp: 46791

Ion Ratio Lower Upper

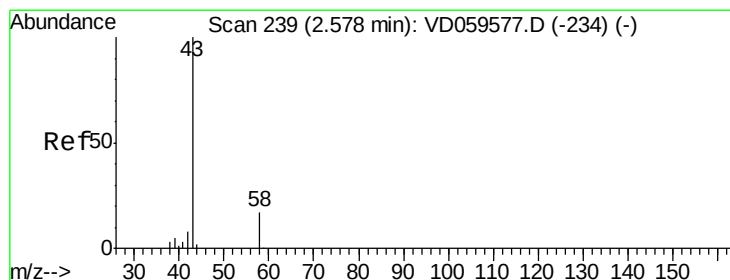
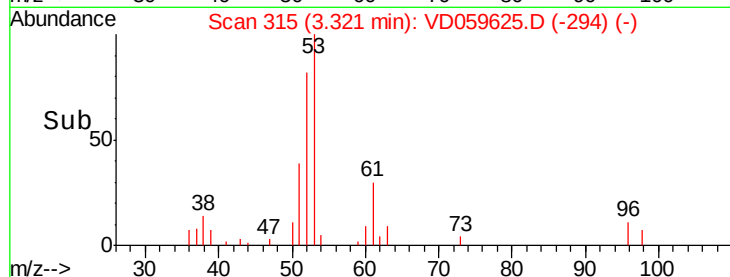
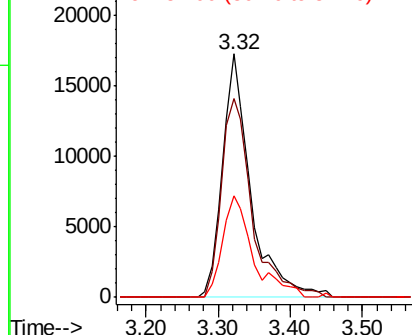
53 100

52 81.8 67.6 101.4

51 41.6 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: 293.51 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059625.D

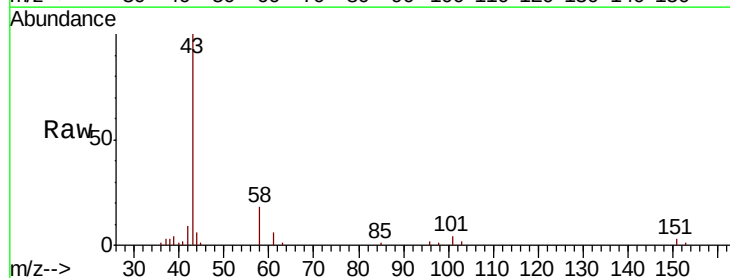
Acq: 30 Jul 2018 17:45

Tgt Ion: 43 Resp: 80746

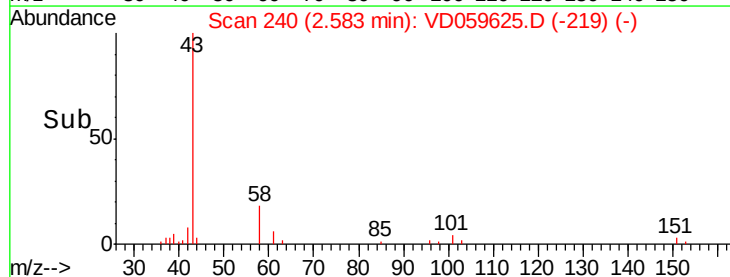
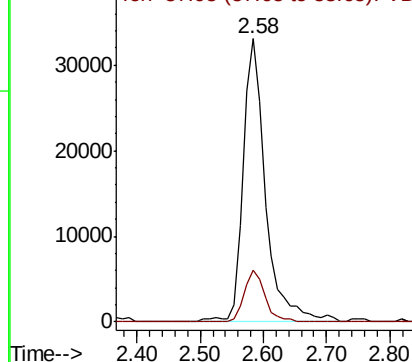
Ion Ratio Lower Upper

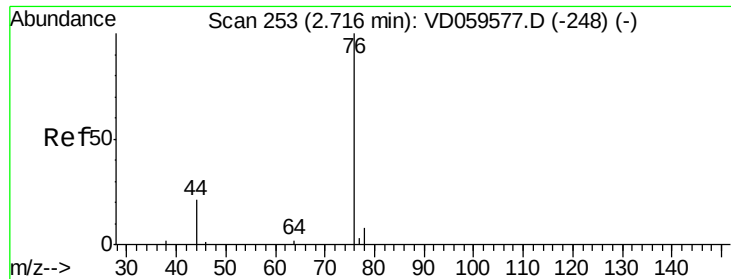
43 100

58 18.1 13.4 20.0



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

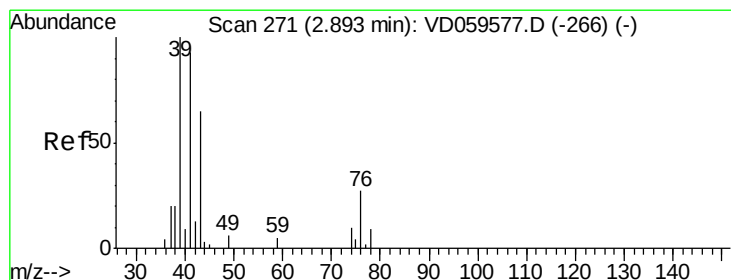
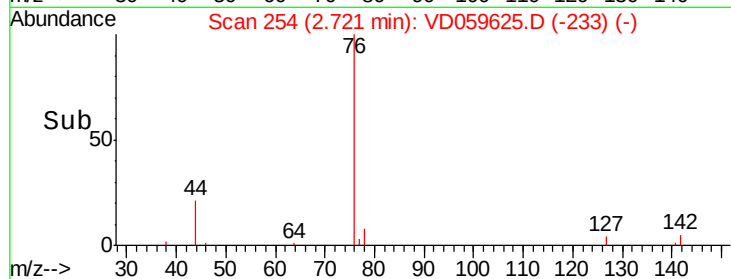
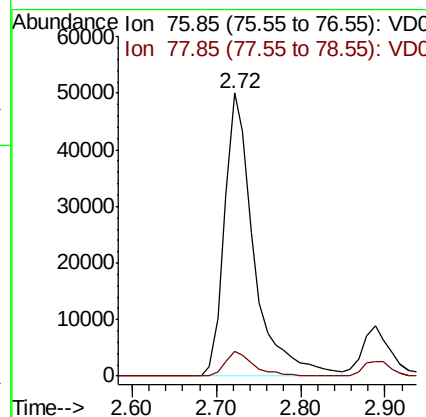
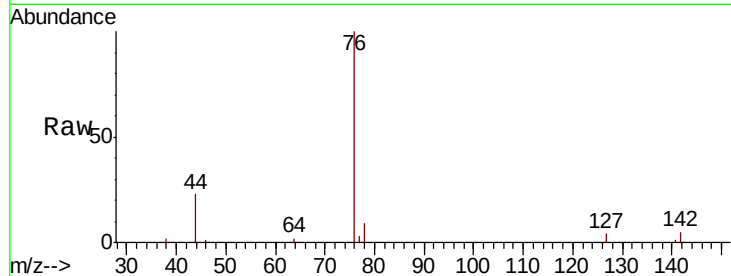




#17
Carbon Disulfide
Concen: 49.75 ug/l
RT: 2.72 min Scan# 254
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

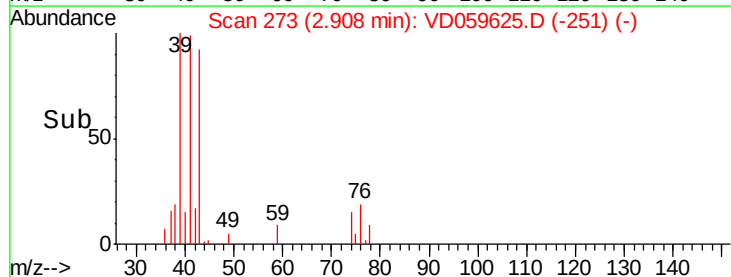
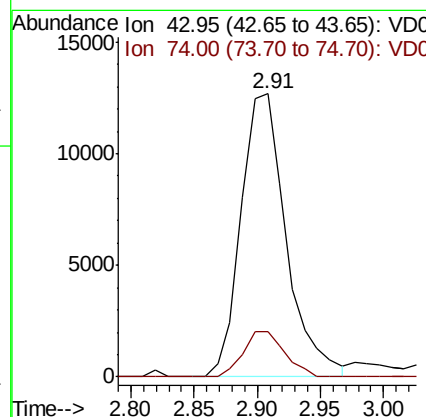
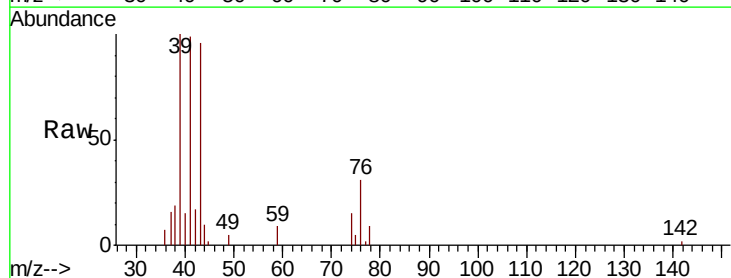
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

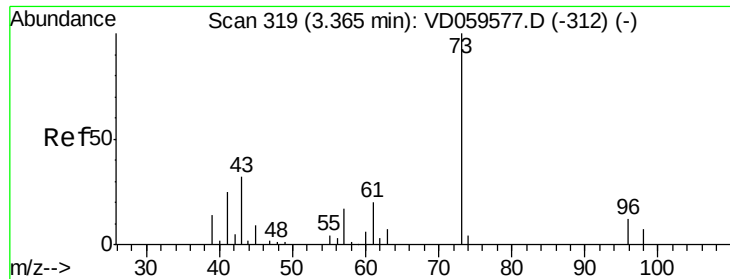
Tot Ion: 76 Resp: 121350
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2



#18
Methyl Acetate
Concen: 57.41 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.02 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 43 Resp: 31582
Ion Ratio Lower Upper
43 100
74 15.9 13.0 19.4

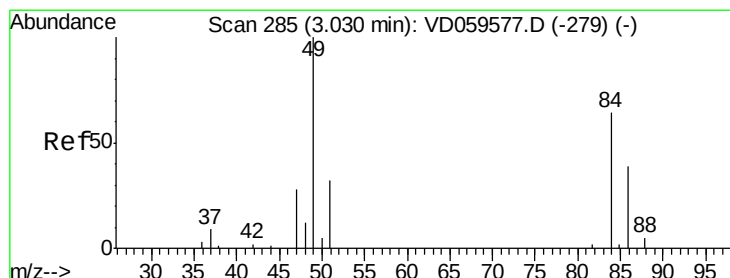
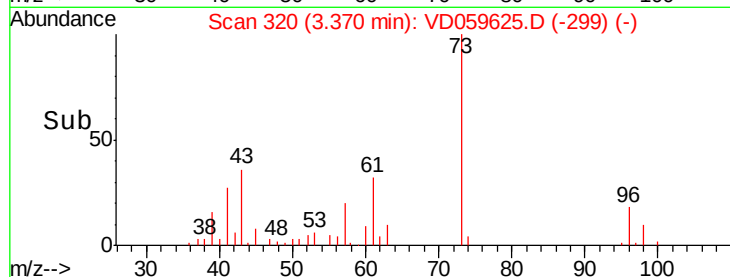
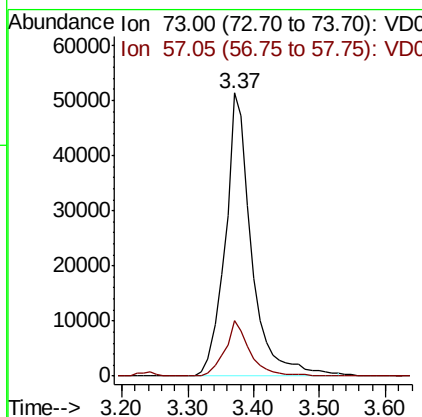
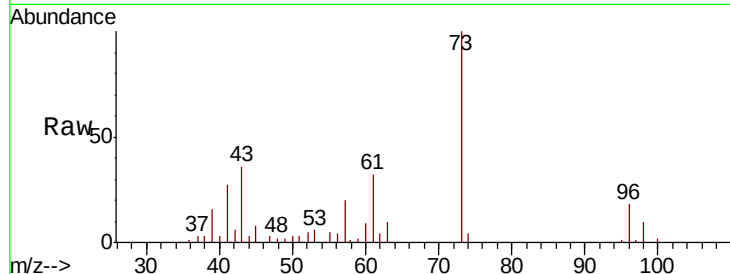




#19
Methyl tert-butyl Ether
Concen: 69.73 ug/l
RT: 3.37 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

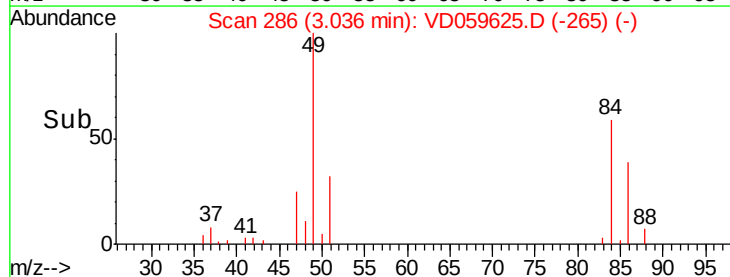
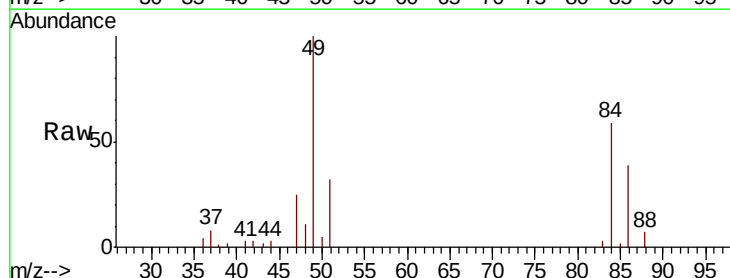
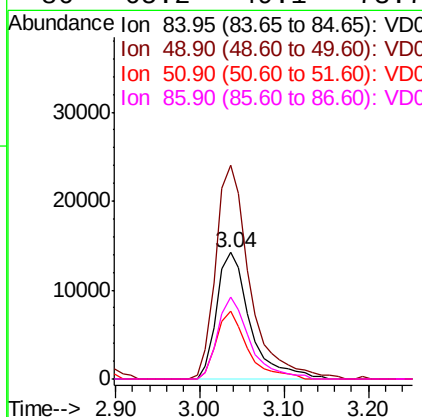
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

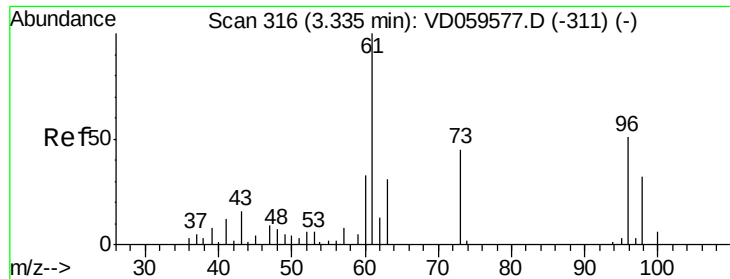
Tot Ion: 73 Resp: 143533
Ion Ratio Lower Upper
73 100
57 19.6 13.4 20.2



#20
Methylene Chloride
Concen: 50.13 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 84 Resp: 39325
Ion Ratio Lower Upper
84 100
49 168.8 125.4 188.2
51 53.2 39.7 59.5
86 65.2 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 65.90 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

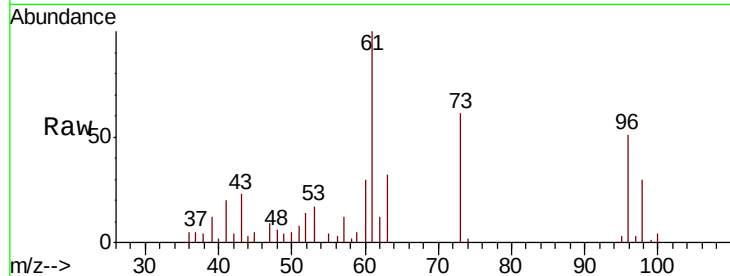
Tot Ion: 96 Resp: 43638

Ion Ratio Lower Upper

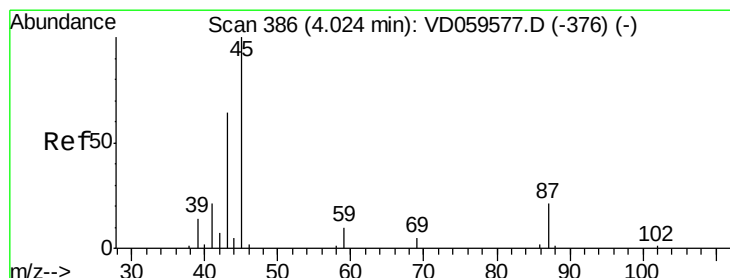
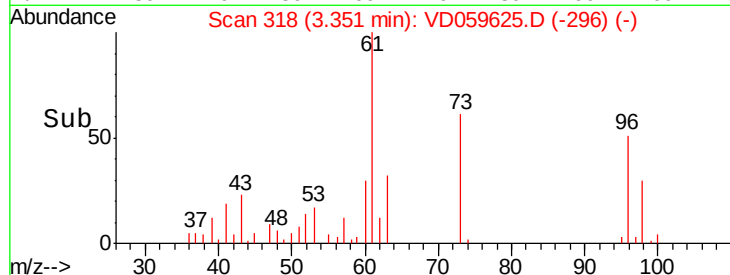
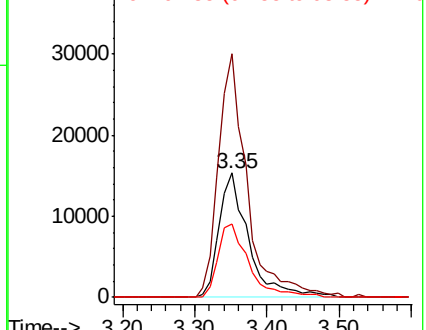
96 100

61 195.6 155.8 233.6

98 59.3 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: 47.44 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Tgt Ion: 45 Resp: 185762

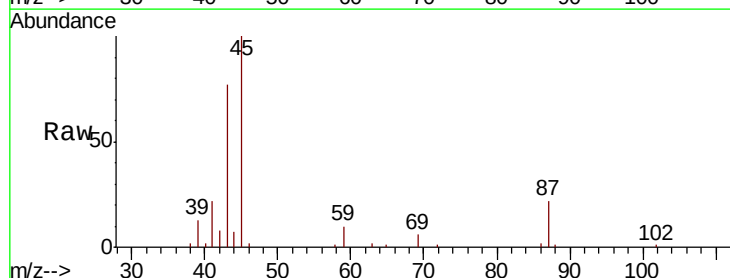
Ion Ratio Lower Upper

45 100

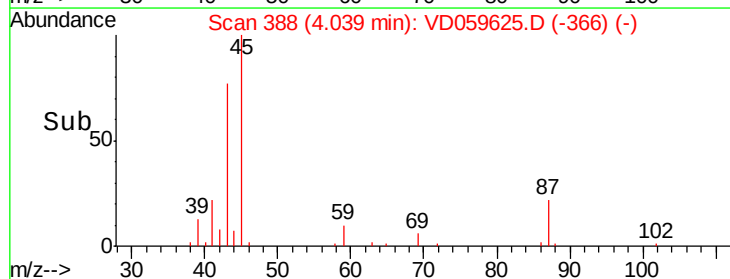
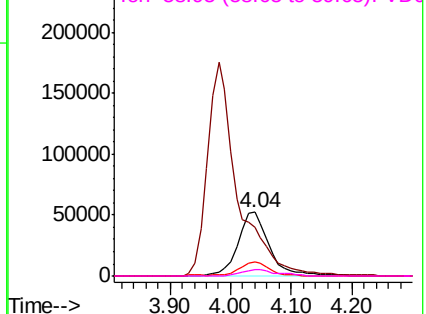
43 76.6 59.4 89.2

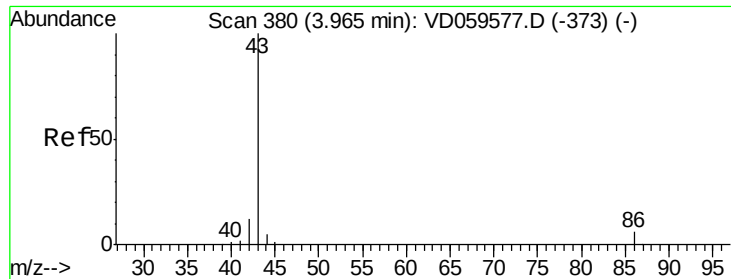
87 21.6 16.7 25.1

59 10.0 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: 242.54 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

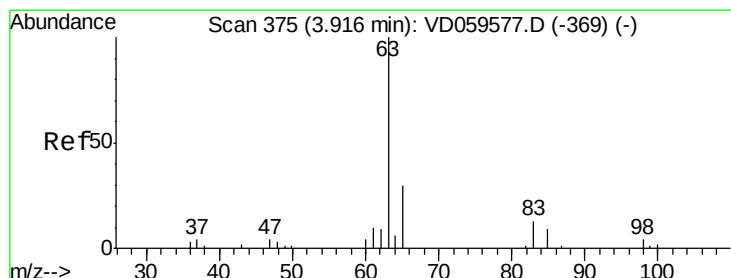
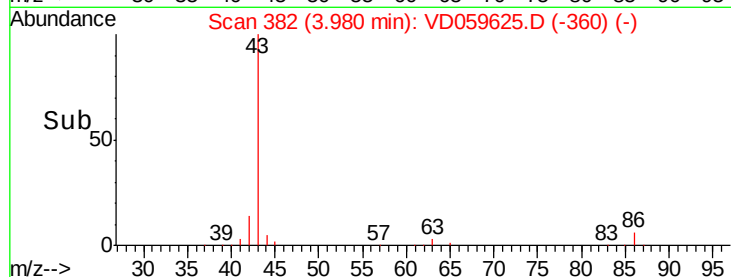
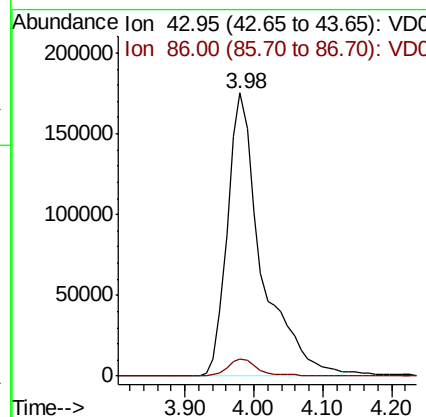
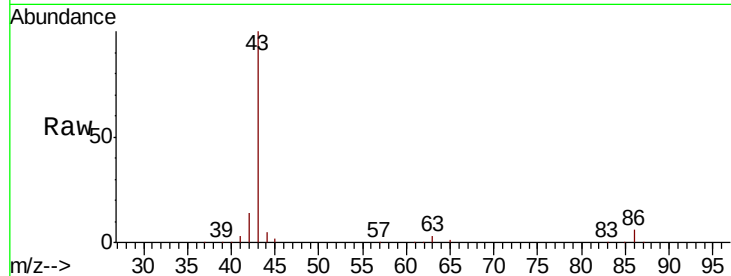
VSTDCCC050

Tot Ion: 43 Resp: 602713

Ion Ratio Lower Upper

43 100

86 6.0 5.1 7.7



#24

1,1-Dichloroethane

Concen: 46.99 ug/l

RT: 3.93 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

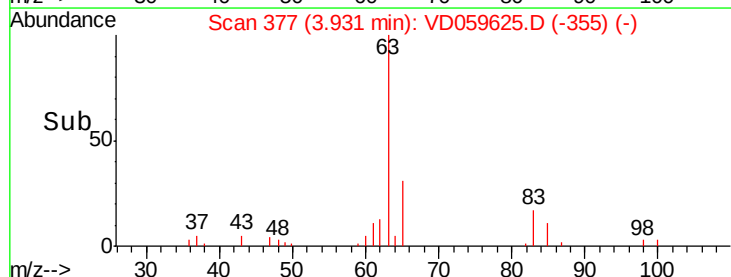
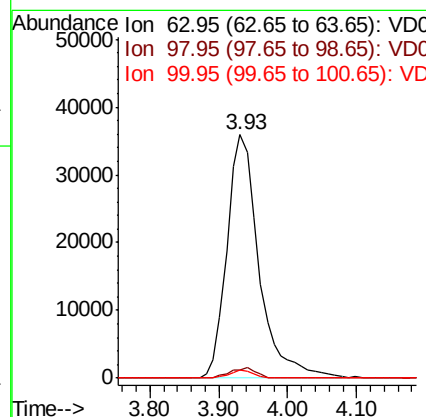
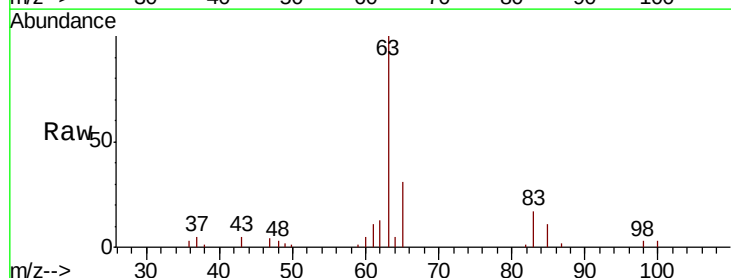
Tgt Ion: 63 Resp: 116137

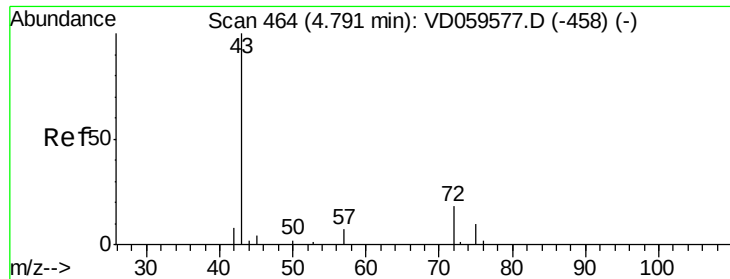
Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.5

100 3.1 1.1 3.3





#25

2-Butanone

Concen: 242.64 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

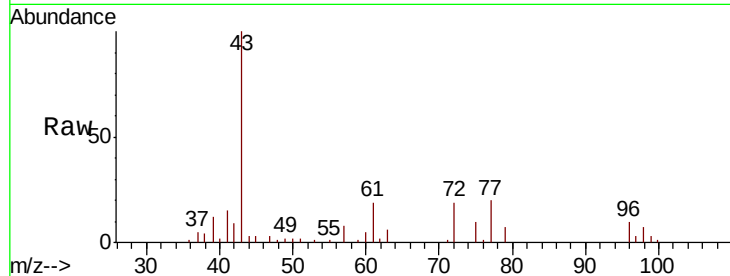
VSTDCCC050

Tot Ion: 43 Resp: 101794

Ion Ratio Lower Upper

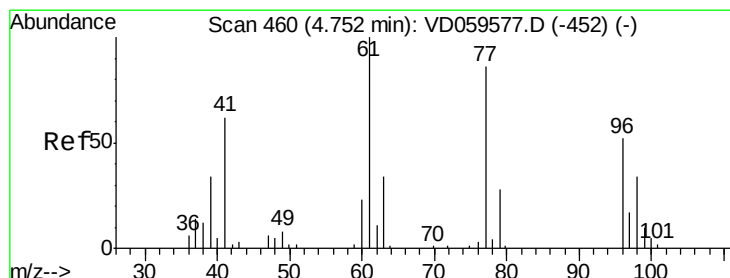
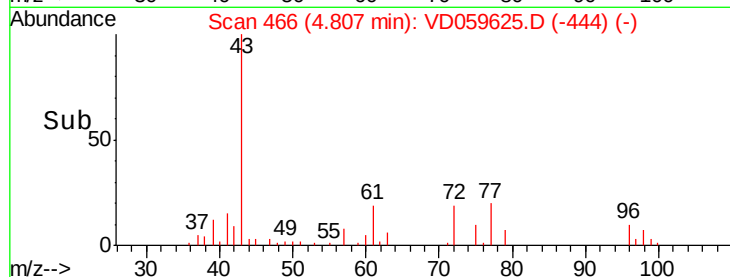
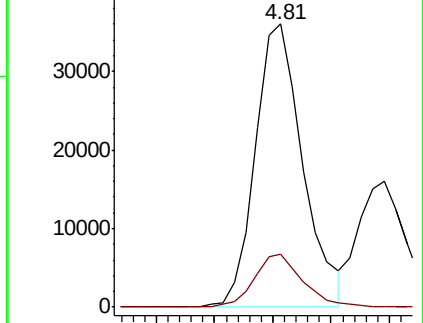
43 100

72 18.9 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: 52.90 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.01 min

Lab File: VD059625.D

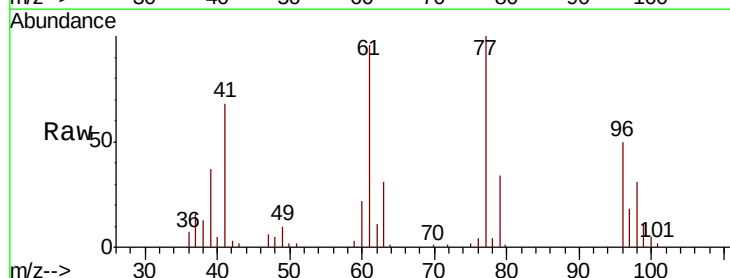
Acq: 30 Jul 2018 17:45

Tgt Ion: 77 Resp: 133903

Ion Ratio Lower Upper

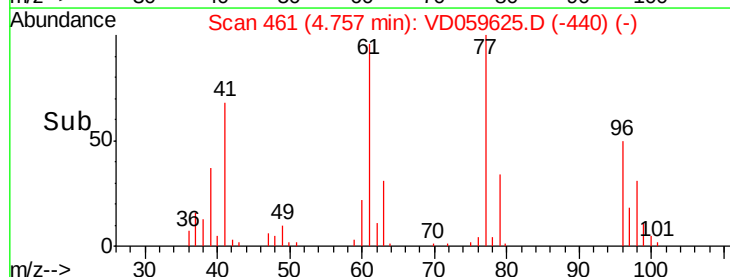
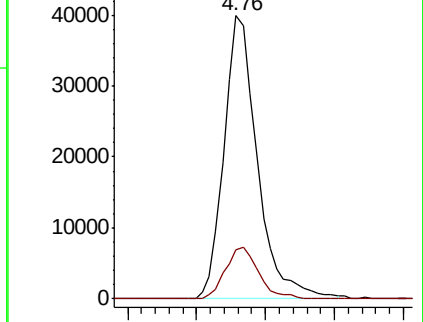
77 100

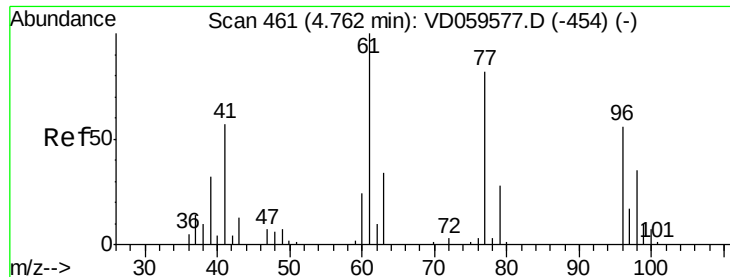
97 17.5 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



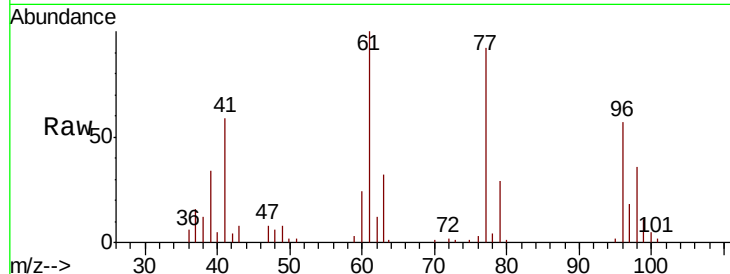


#27

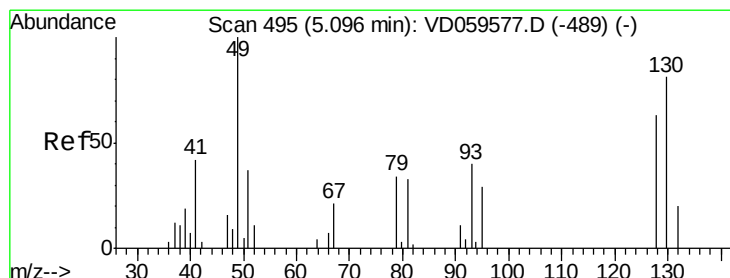
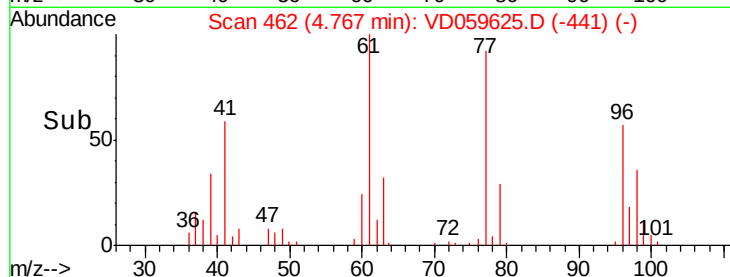
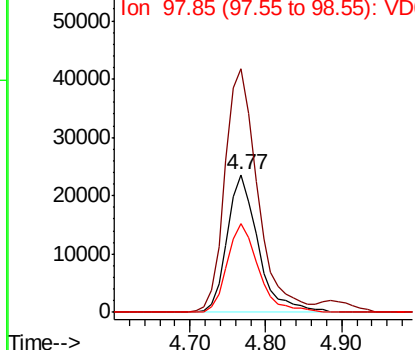
cis-1,2-Dichloroethene
 Concen: 50.50 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 96 Resp: 66800
 Ion Ratio Lower Upper
 96 100
 61 176.9 0.0 355.0
 98 64.6 0.0 125.8



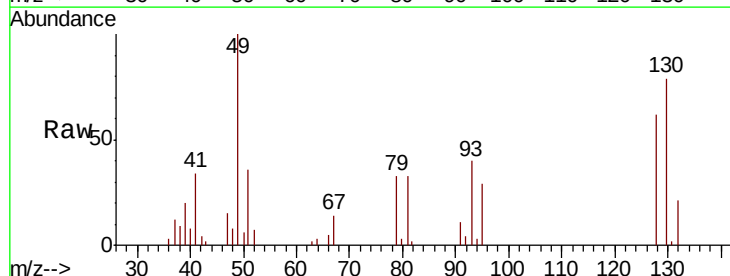
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



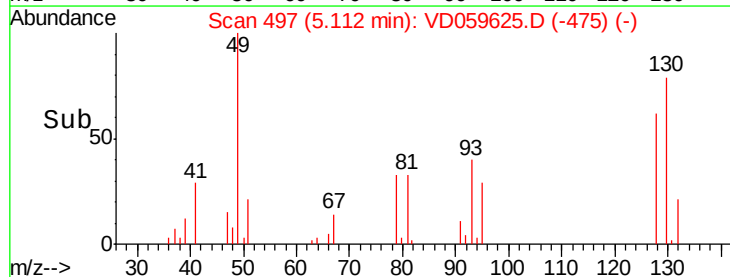
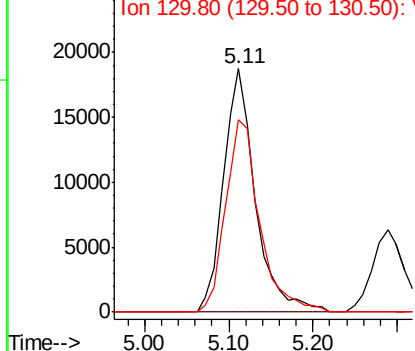
#28

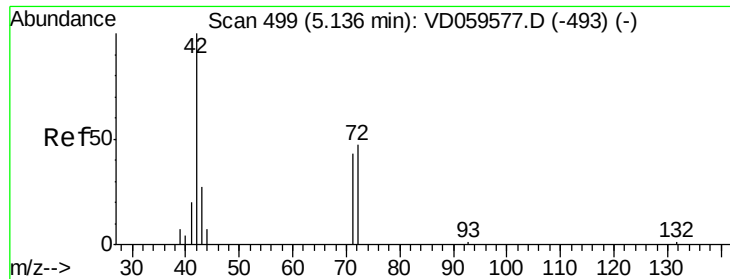
Bromochloromethane
 Concen: 50.06 ug/l
 RT: 5.11 min Scan# 497
 Delta R.T. 0.02 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion: 49 Resp: 48961
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 79.2 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

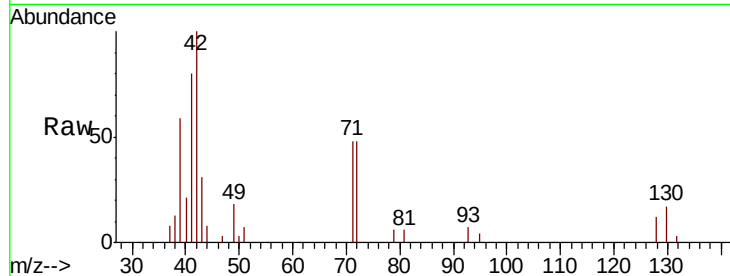




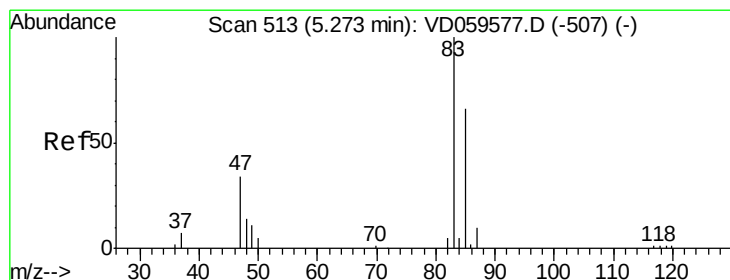
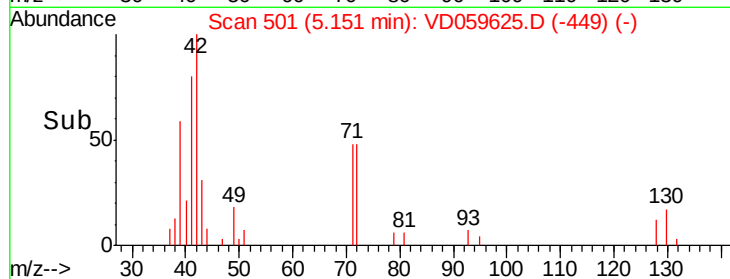
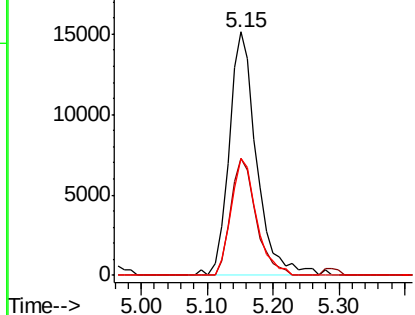
#29
Tetrahydrofuran
Concen: 226.95 ug/l
RT: 5.15 min Scan# 501
Delta R.T. 0.02 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 44085
Ion Ratio Lower Upper
42 100
72 44.5 35.0 52.4
71 44.6 34.2 51.2

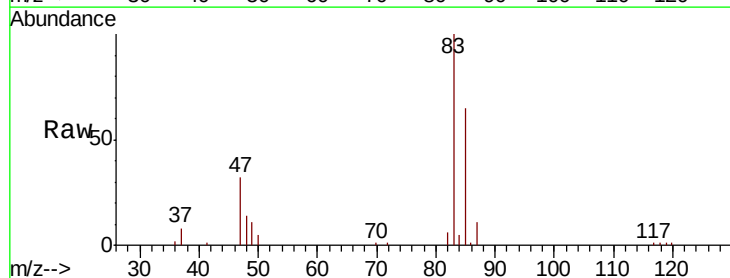


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

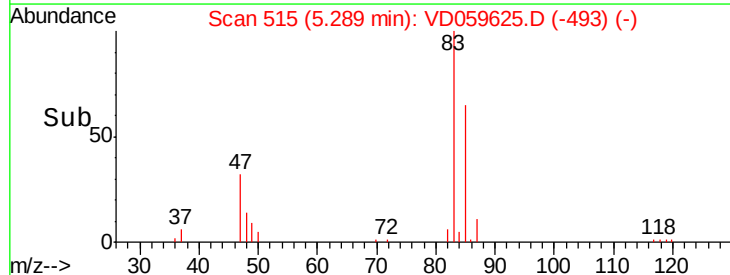
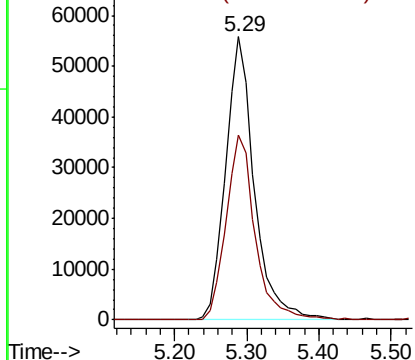


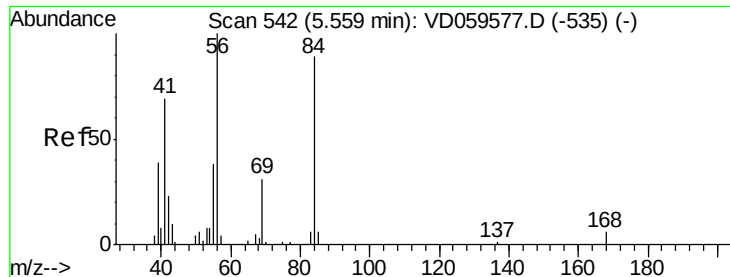
#30
Chloroform
Concen: 52.05 ug/l
RT: 5.29 min Scan# 515
Delta R.T. 0.02 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 83 Resp: 153890
Ion Ratio Lower Upper
83 100
85 65.5 53.0 79.6



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

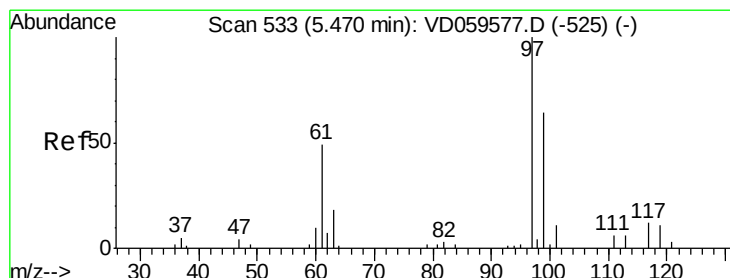
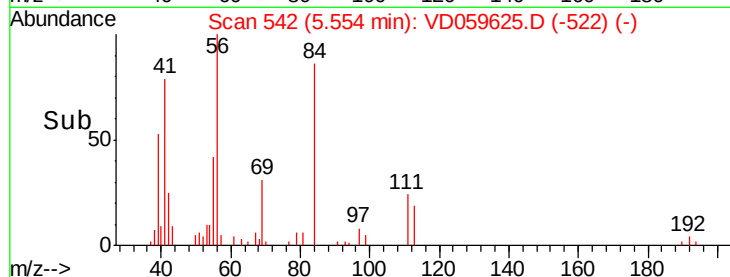
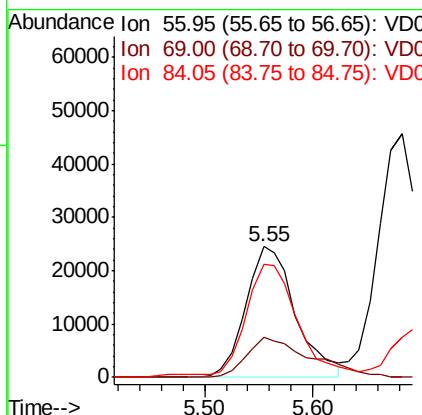
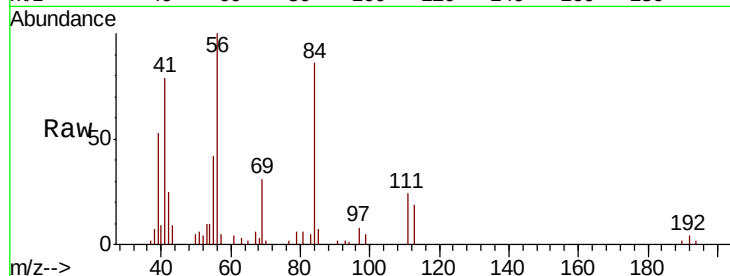




#31
Cyclohexane
Concen: 49.63 ug/l
RT: 5.55 min Scan# 542
Delta R.T. -0.00 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

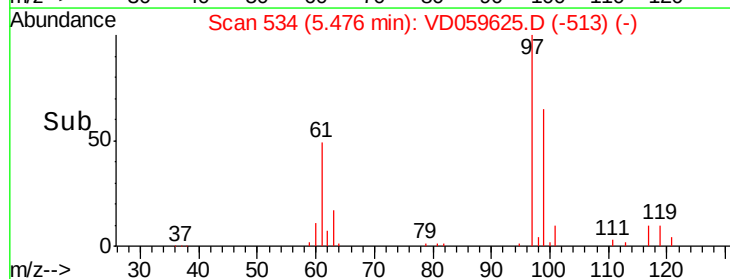
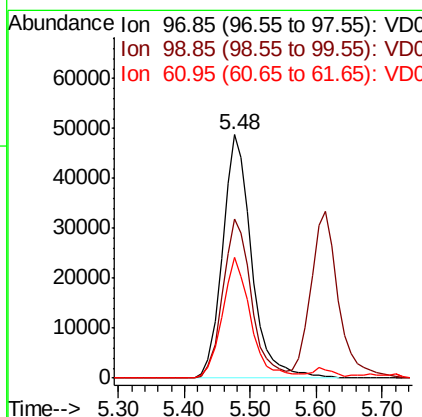
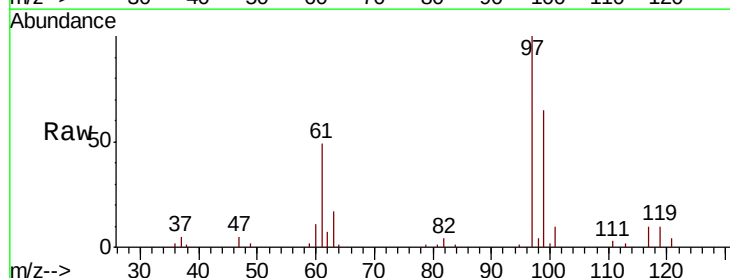
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

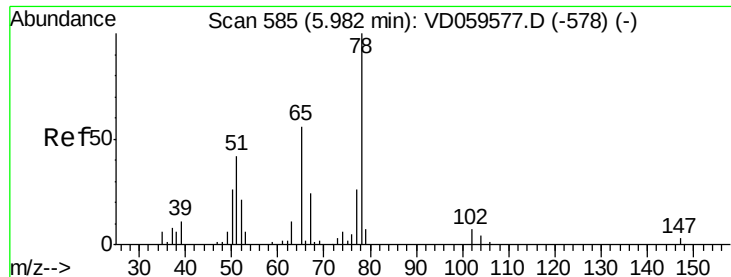
Tot Ion: 56 Resp: 78786
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 86.3 72.7 109.1



#32
1,1,1-Trichloroethane
Concen: 52.49 ug/l
RT: 5.48 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 97 Resp: 150237
Ion Ratio Lower Upper
97 100
99 65.3 50.9 76.3
61 49.4 39.2 58.8

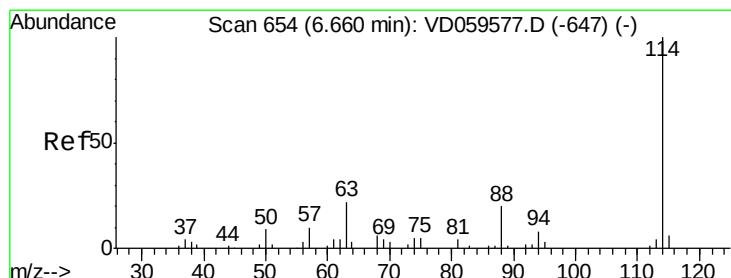
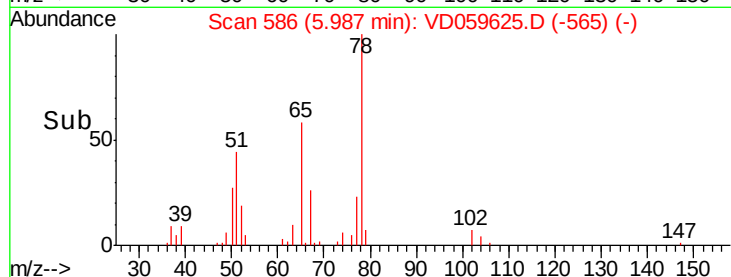
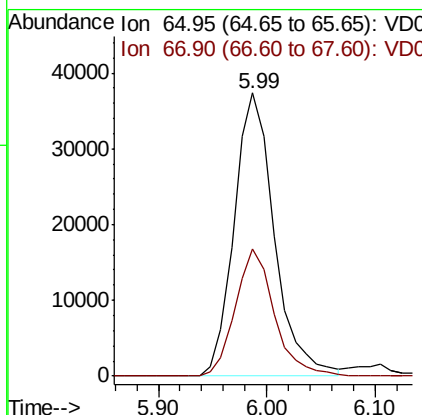
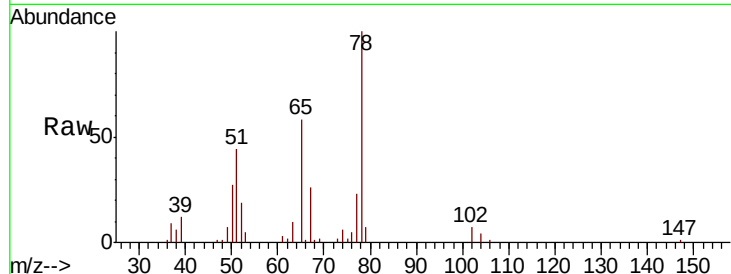




#33
 1,2-Dichloroethane-d4
 Concen: 52.49 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

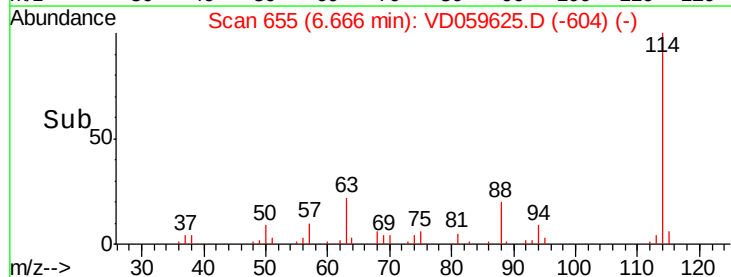
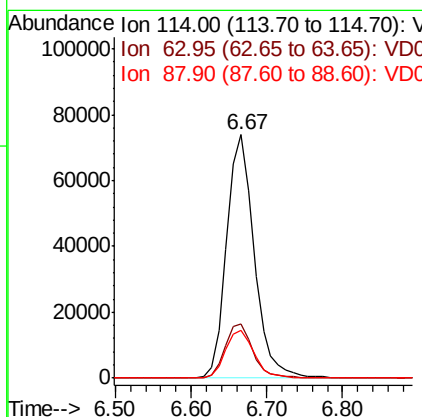
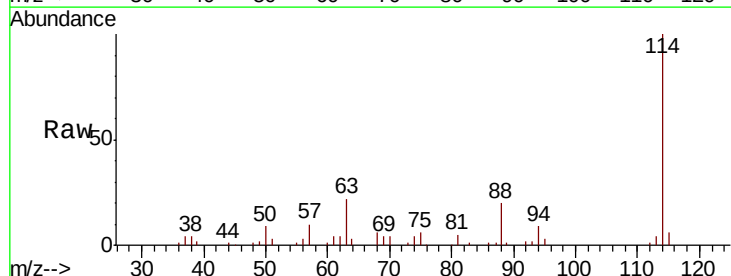
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

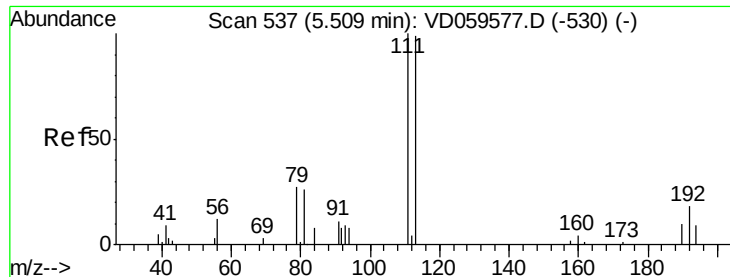
Tot Ion: 65 Resp: 96521
 Ion Ratio Lower Upper
 65 100
 67 44.8 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion: 114 Resp: 186174
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 19.7 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.51 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

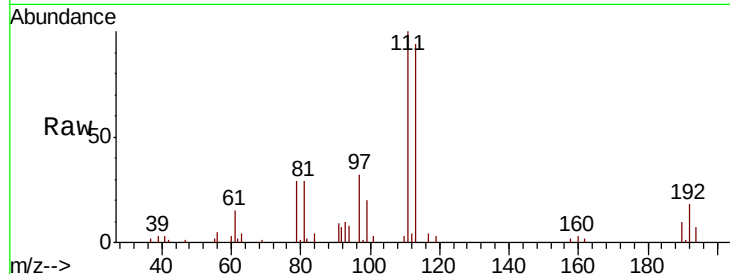
Tot Ion:113 Resp: 86434

Ion Ratio Lower Upper

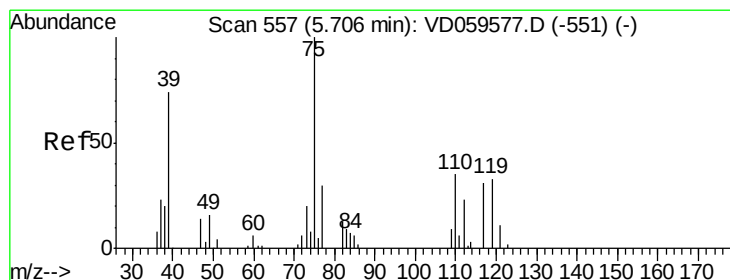
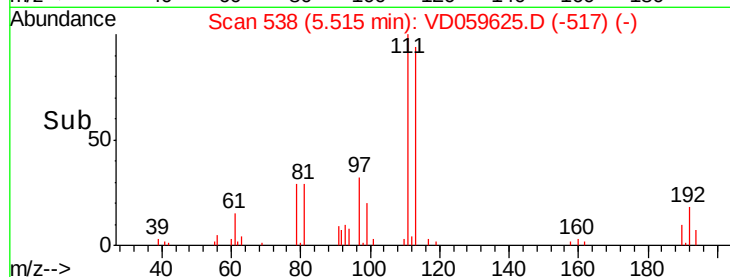
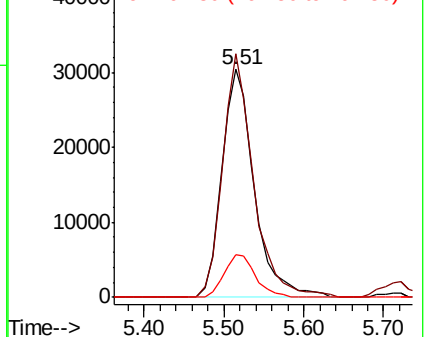
113 100

111 106.8 80.5 120.7

192 19.0 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: 53.27 ug/l

RT: 5.71 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

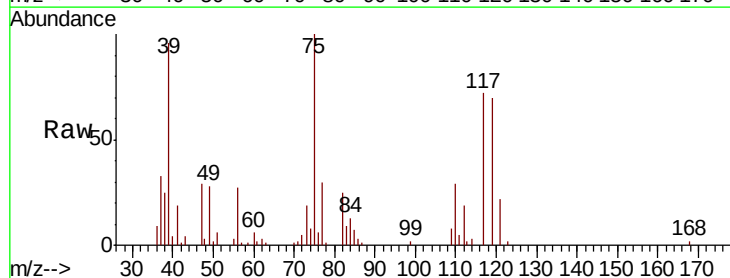
Tgt Ion: 75 Resp: 99510

Ion Ratio Lower Upper

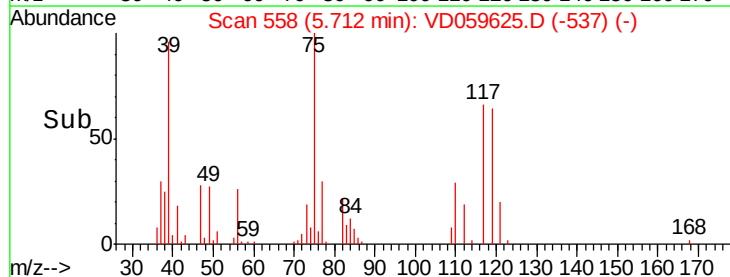
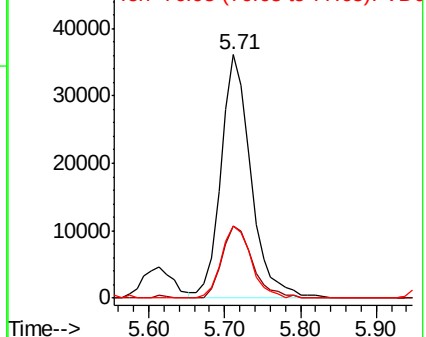
75 100

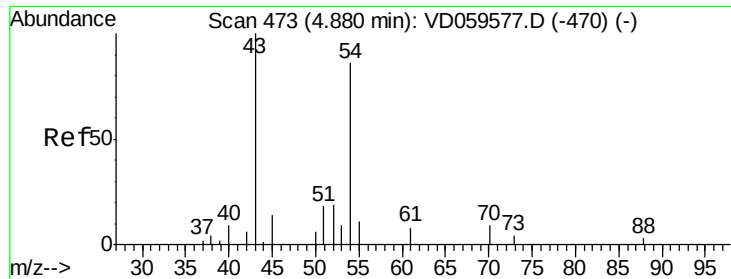
110 29.4 17.0 50.9

77 29.7 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: 51.45 ug/l

RT: 4.90 min Scan# 475

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

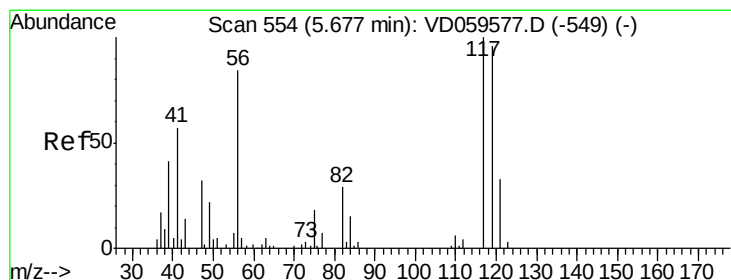
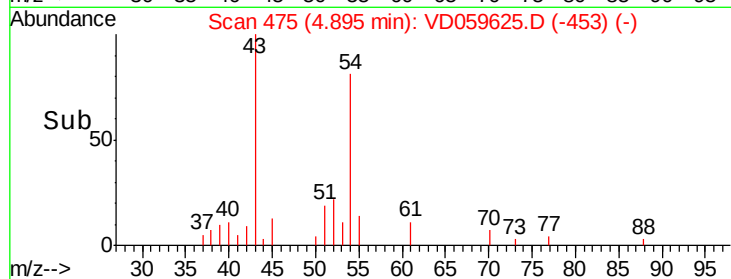
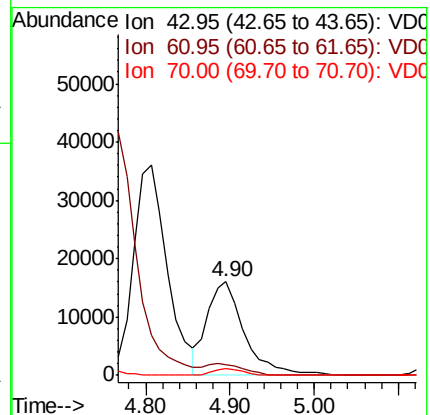
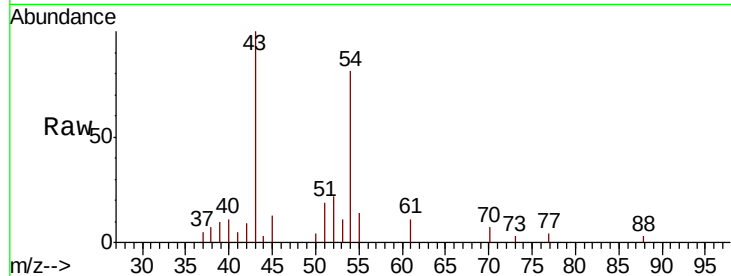
Tot Ion: 43 Resp: 49446

Ion Ratio Lower Upper

43 100

61 11.3 10.7 16.1

70 7.5 5.4 8.0



#38

Carbon Tetrachloride

Concen: 54.17 ug/l

RT: 5.69 min Scan# 556

Delta R.T. 0.02 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

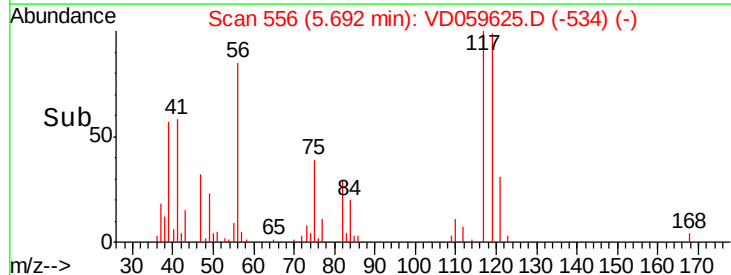
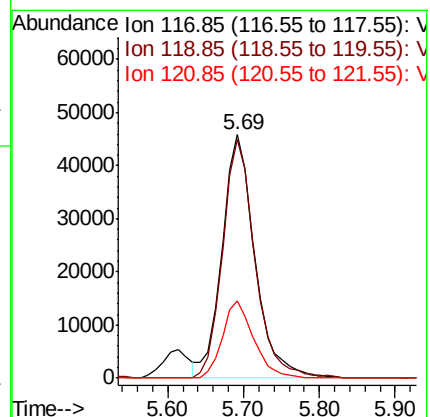
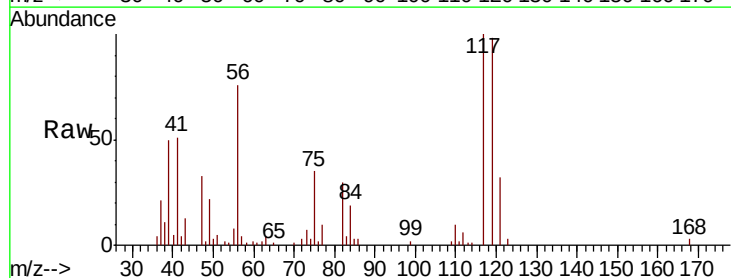
Tgt Ion: 117 Resp: 138583

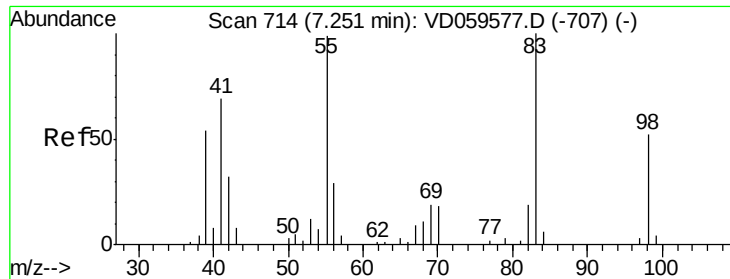
Ion Ratio Lower Upper

117 100

119 98.2 73.6 110.4

121 32.0 25.0 37.6

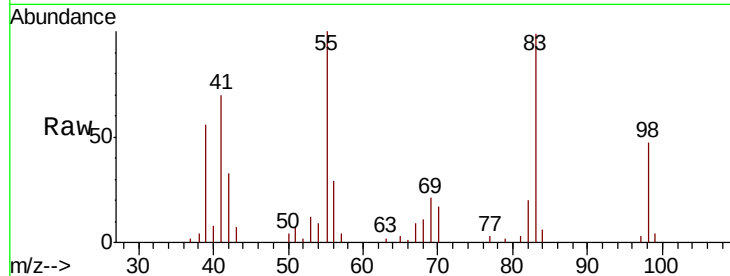




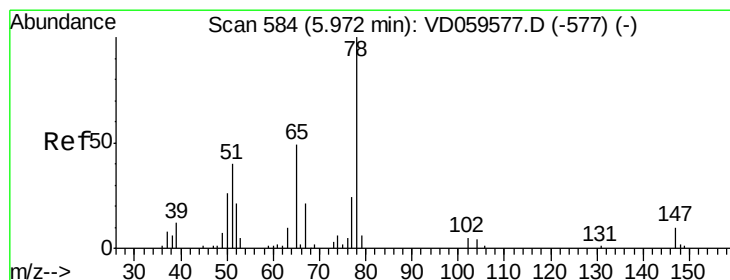
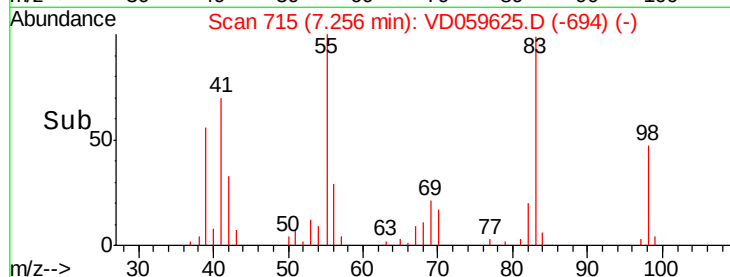
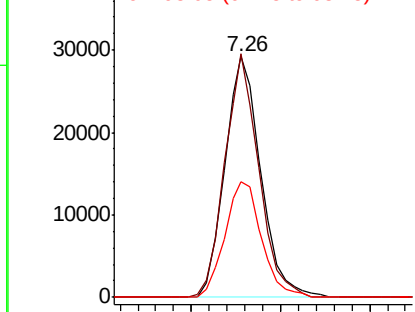
#39
Methylvlcyclohexane
Concen: 47.78 ug/l
RT: 7.26 min Scan# 715
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 82087
Ion Ratio Lower Upper
83 100
55 101.2 79.4 119.0
98 47.8 41.6 62.4

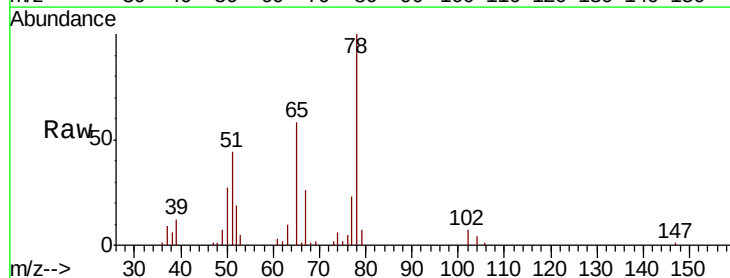


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

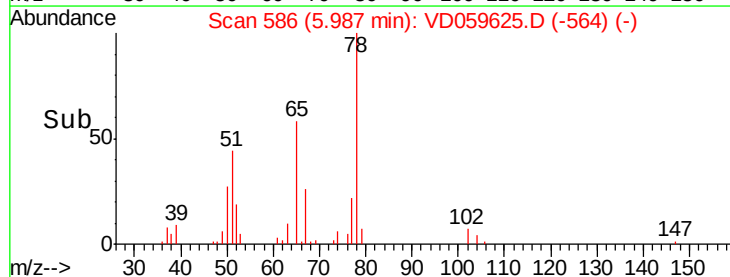
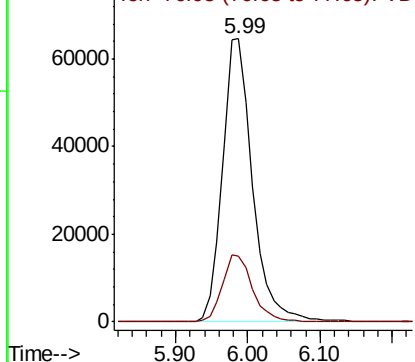


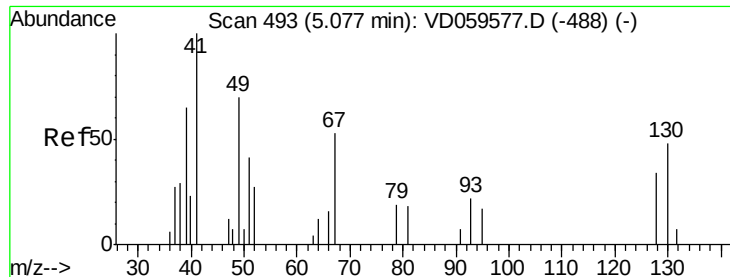
#40
Benzene
Concen: 48.61 ug/l
RT: 5.99 min Scan# 586
Delta R.T. 0.02 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 78 Resp: 186231
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6



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

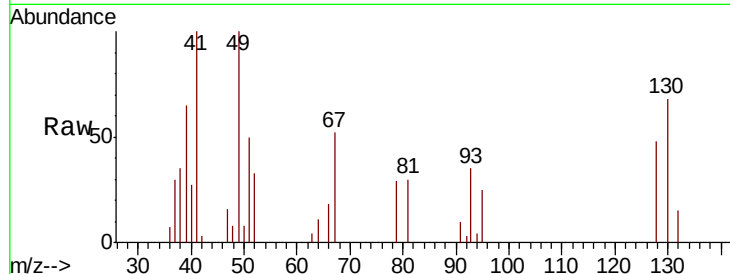




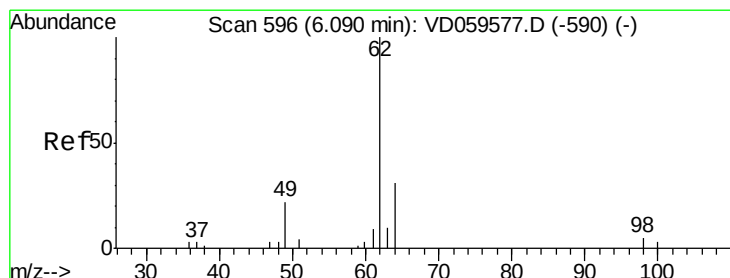
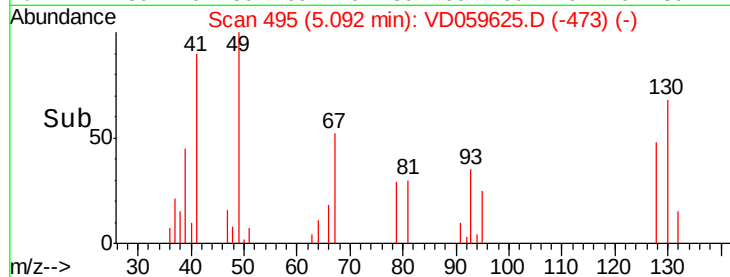
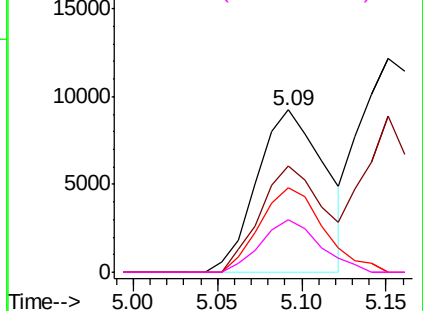
#41
Methacrylonitrile
Concen: 53.90 ug/l
RT: 5.09 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 25849
Ion Ratio Lower Upper
41 100
39 65.2 52.1 78.1
67 52.5 42.5 63.7
52 32.6 21.8 32.8

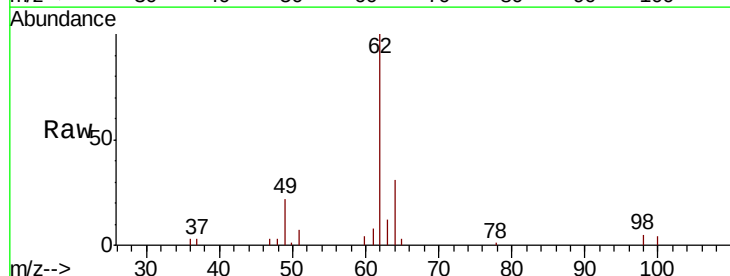


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

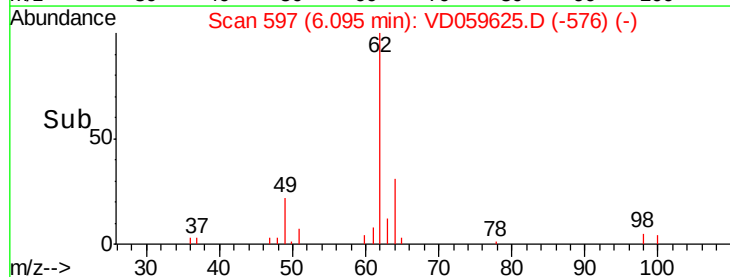
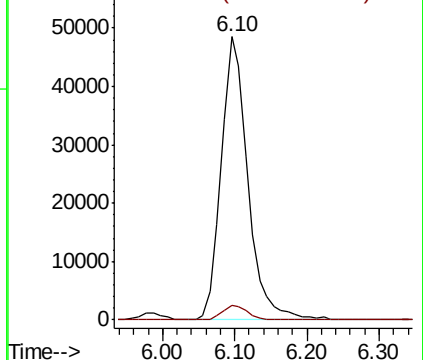


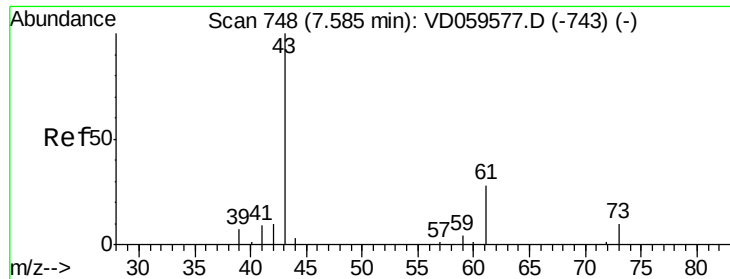
#42
1,2-Dichloroethane
Concen: 53.61 ug/l
RT: 6.10 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 62 Resp: 123753
Ion Ratio Lower Upper
62 100
98 5.0 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 50.96 ug/l

RT: 7.59 min Scan# 749

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

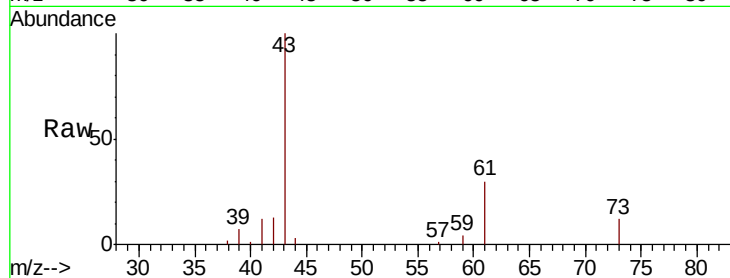
Tot Ion: 43 Resp: 67908

Ion Ratio Lower Upper

43 100

61 29.7 22.0 33.0

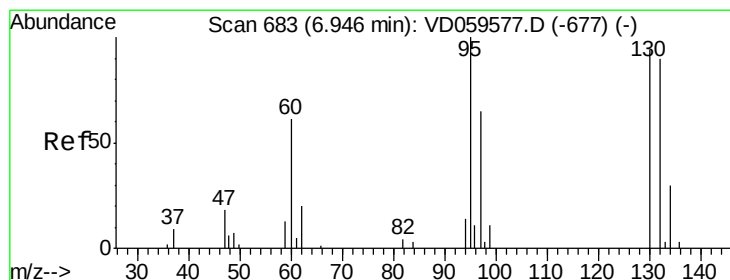
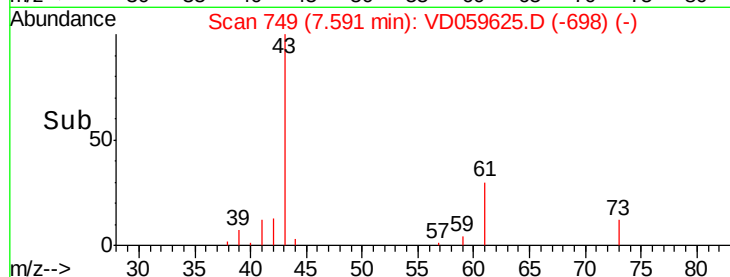
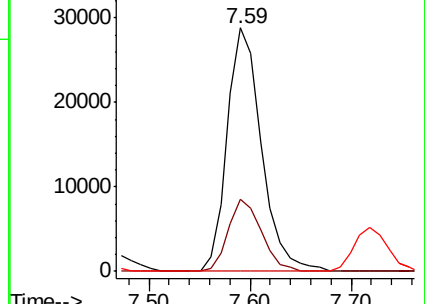
87 0.0 0.0 0.0



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: 53.67 ug/l

RT: 6.95 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD059625.D

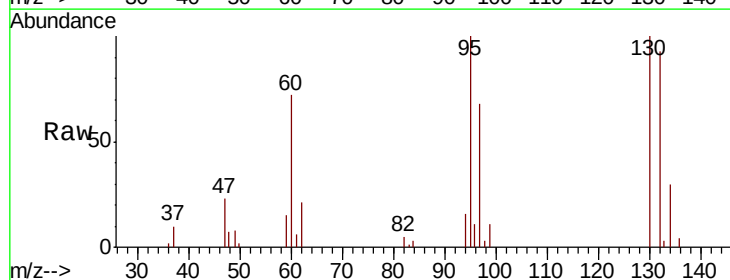
Acq: 30 Jul 2018 17:45

Tgt Ion:130 Resp: 74584

Ion Ratio Lower Upper

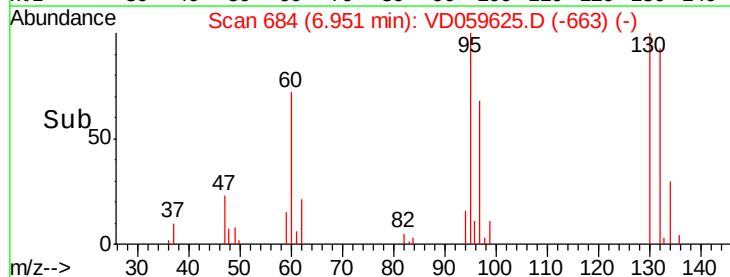
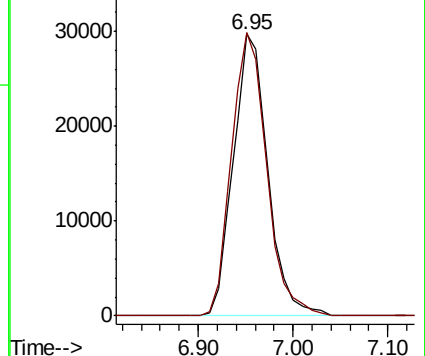
130 100

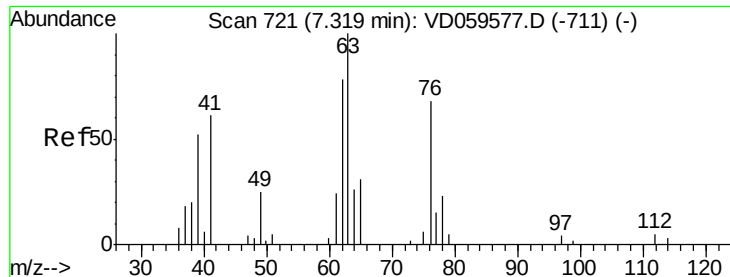
95 100.4 0.0 213.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

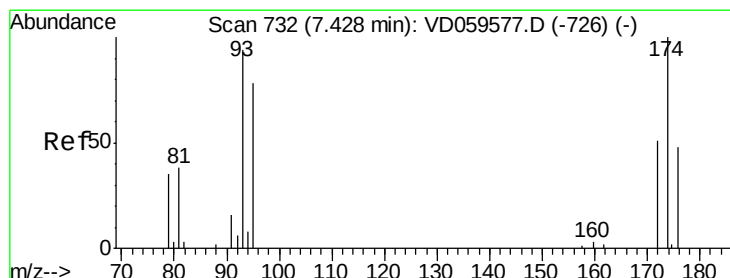
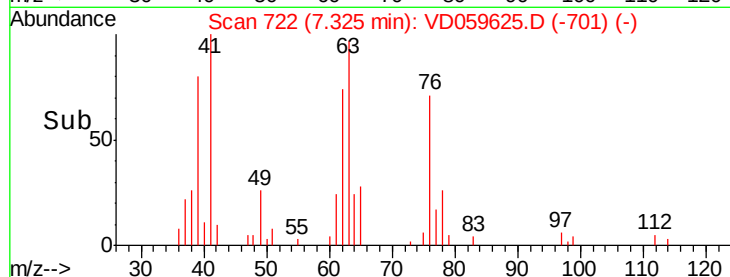
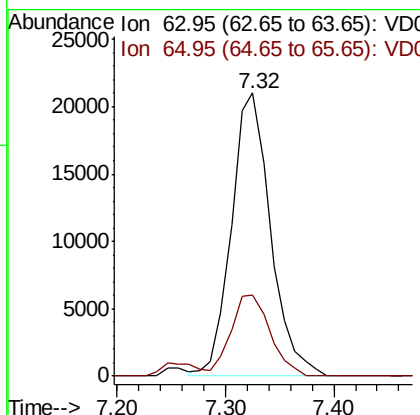
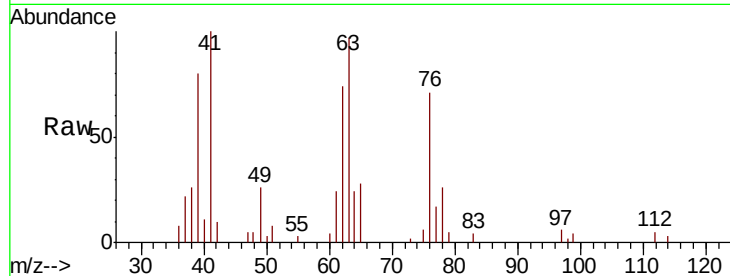




#45
 1,2-Dichloropropane
 Concen: 49.35 ug/l
 RT: 7.32 min Scan# 722
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

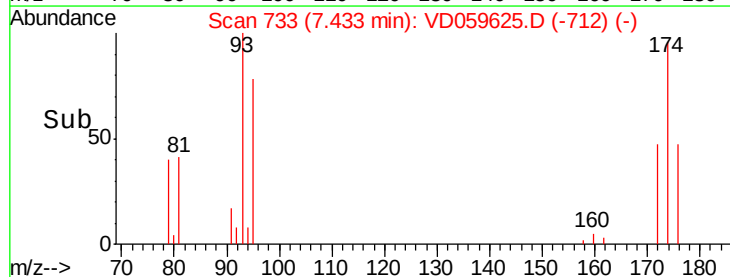
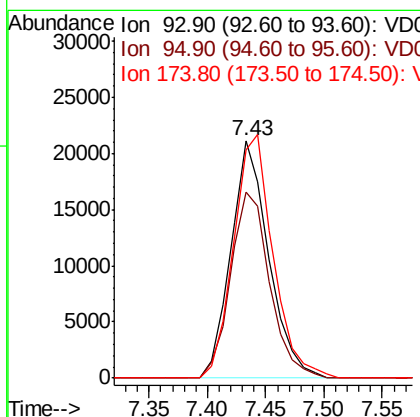
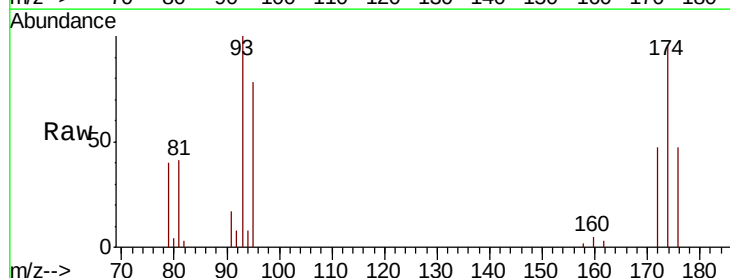
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

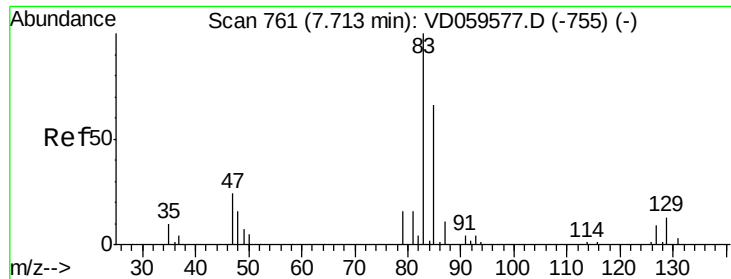
Tot Ion: 63 Resp: 52942
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.9 37.3



#46
 Dibromomethane
 Concen: 52.21 ug/l
 RT: 7.43 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion: 93 Resp: 47347
 Ion Ratio Lower Upper
 93 100
 95 78.1 65.8 98.8
 174 95.9 84.7 127.1





#47

Bromodichloromethane

Concen: 53.91 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

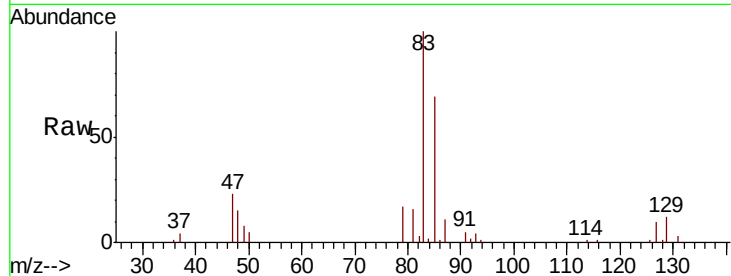
Tot Ion: 83 Resp: 116761

Ion Ratio Lower Upper

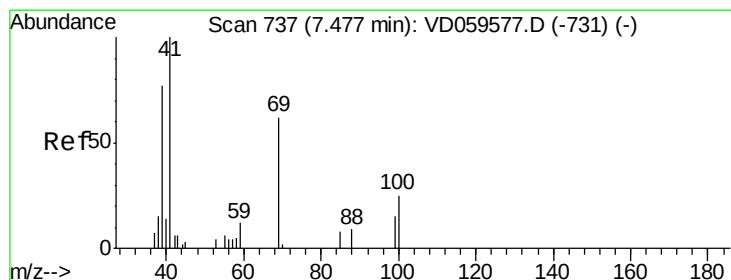
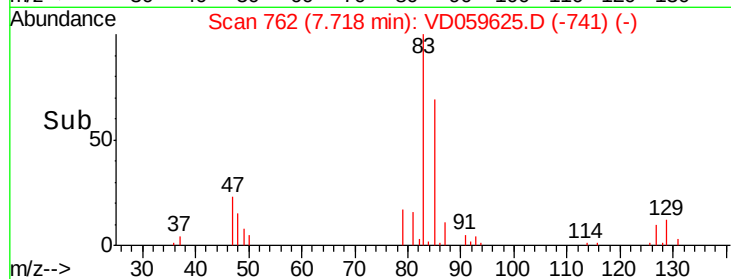
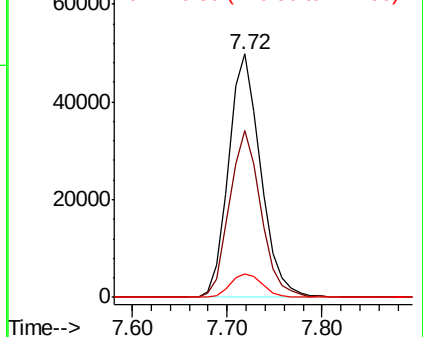
83 100

85 68.6 53.1 79.7

127 9.6 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: 52.63 ug/l

RT: 7.48 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

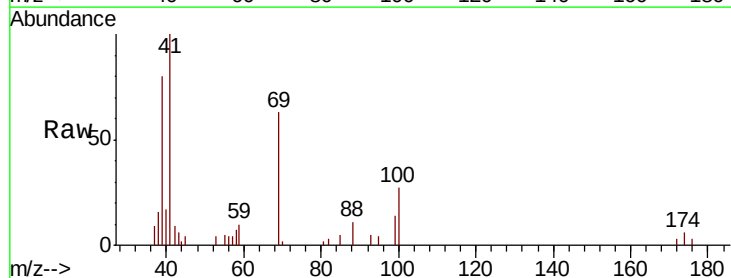
Tgt Ion: 41 Resp: 46512

Ion Ratio Lower Upper

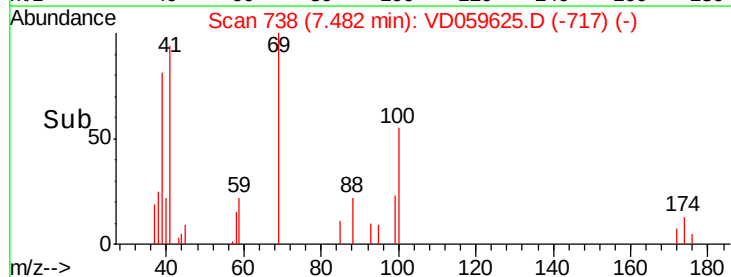
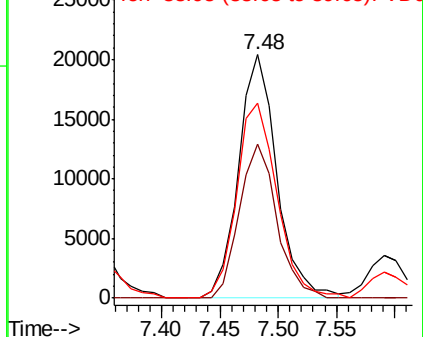
41 100

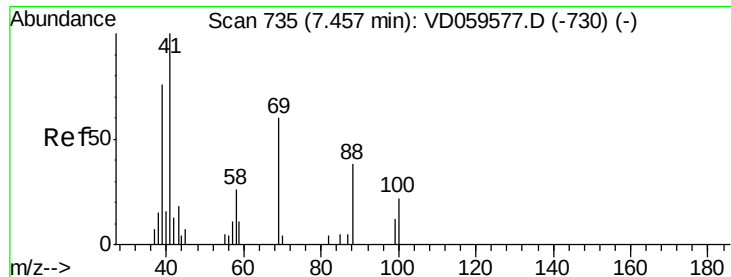
69 63.0 49.4 74.0

39 80.2 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

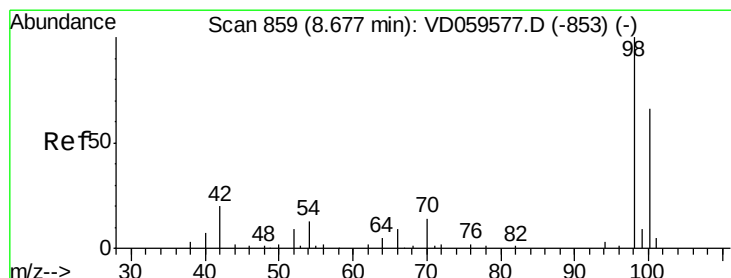
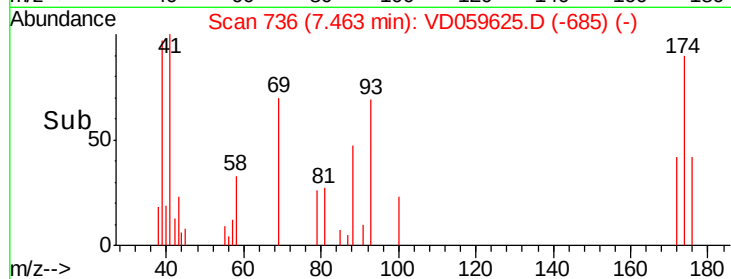
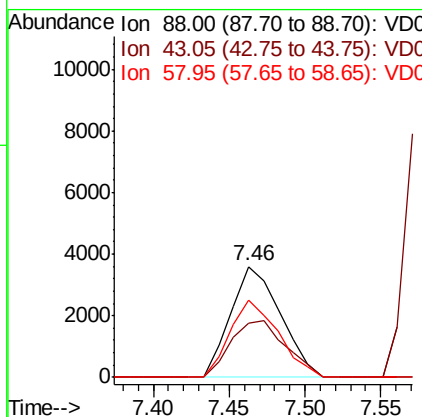
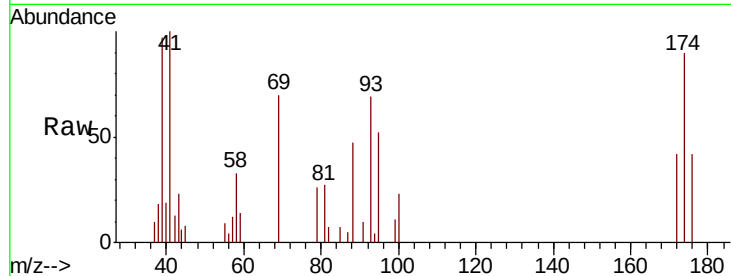




#49
1,4-Dioxane
Concen: 996.12 ug/l
RT: 7.46 min Scan# 736
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

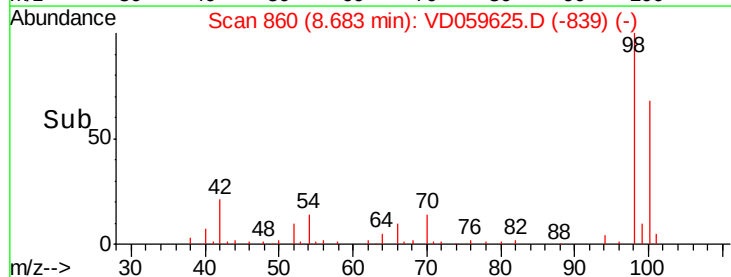
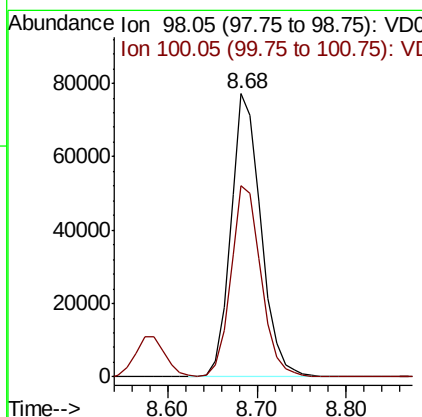
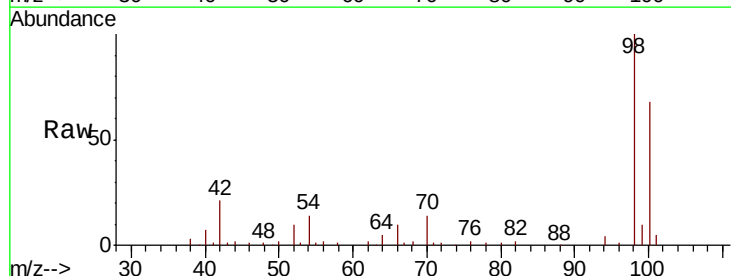
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

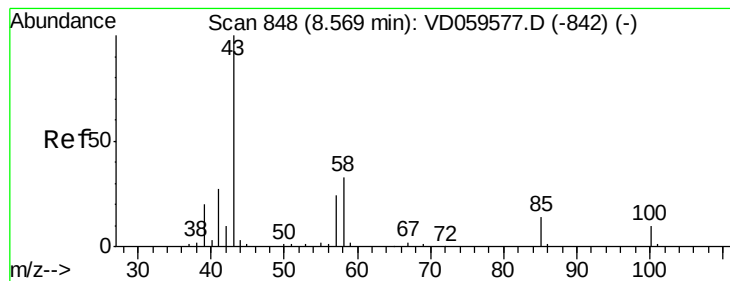
Tot Ion: 88 Resp: 8234
Ion Ratio Lower Upper
88 100
43 48.8 37.4 56.2
58 70.1 55.6 83.4



#50
Toluene-d8
Concen: 996.12 ug/l
RT: 8.68 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 98 Resp: 181475
Ion Ratio Lower Upper
98 100
100 67.5 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 251.67 ug/l

RT: 8.57 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

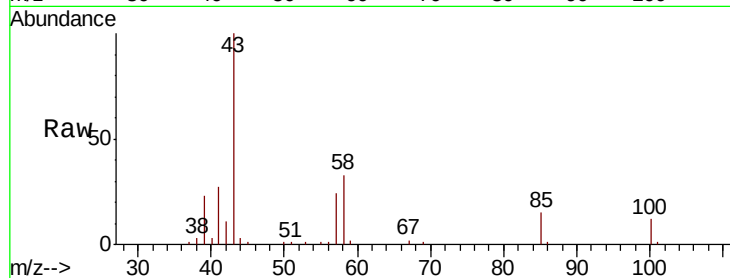
VSTDCCC050

Tot Ion: 43 Resp: 223951

Ion Ratio Lower Upper

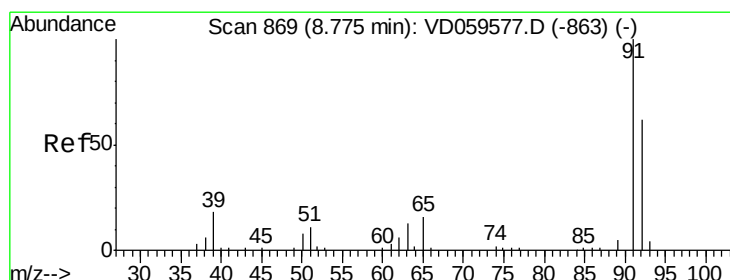
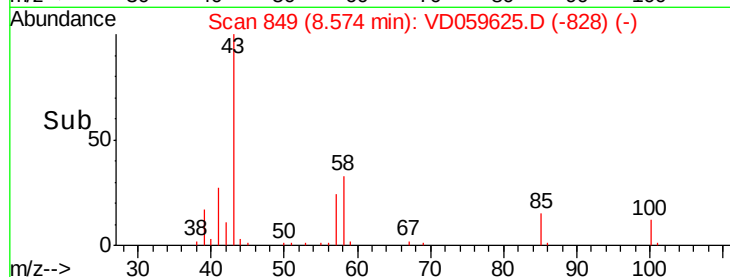
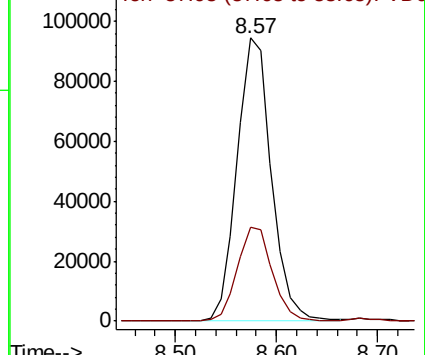
43 100

58 33.4 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: 49.33 ug/l

RT: 8.78 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059625.D

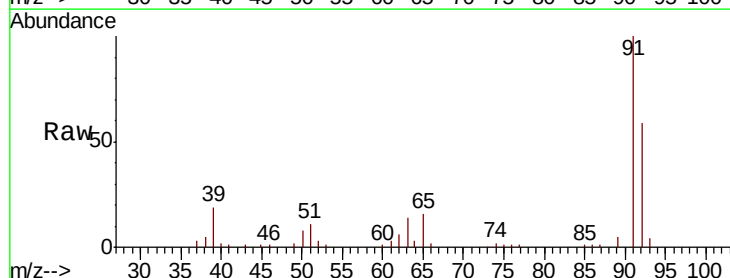
Acq: 30 Jul 2018 17:45

Tgt Ion: 92 Resp: 125302

Ion Ratio Lower Upper

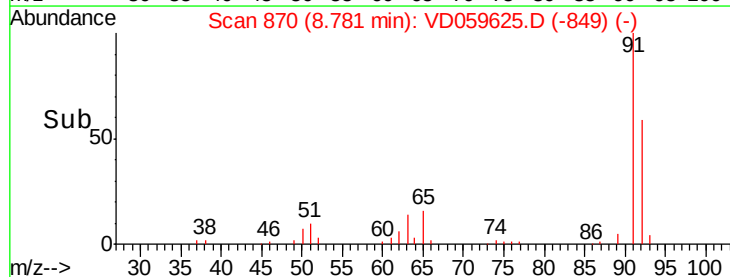
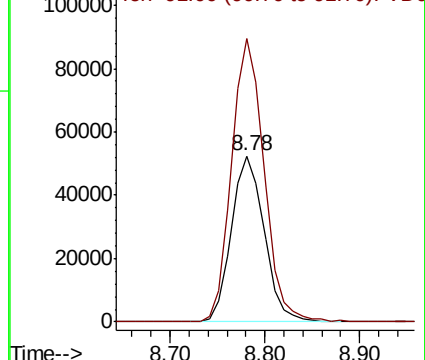
92 100

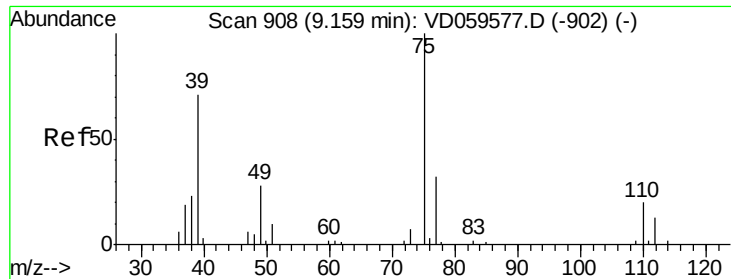
91 170.4 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

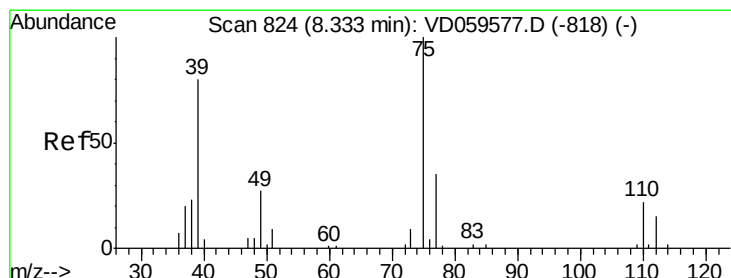
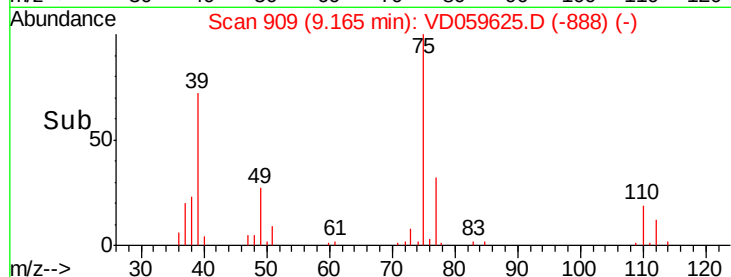
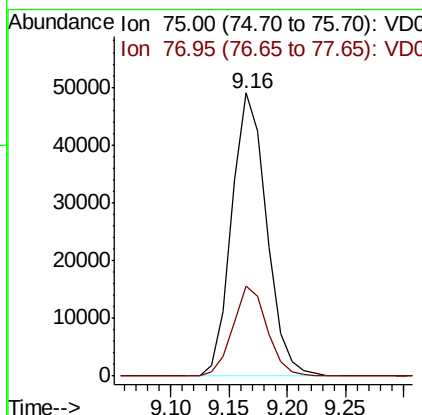
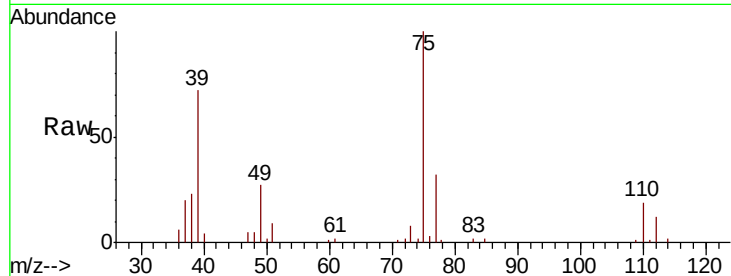




#53
 t-1,3-Dichloropropene
 Concen: 52.07 ug/l
 RT: 9.16 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

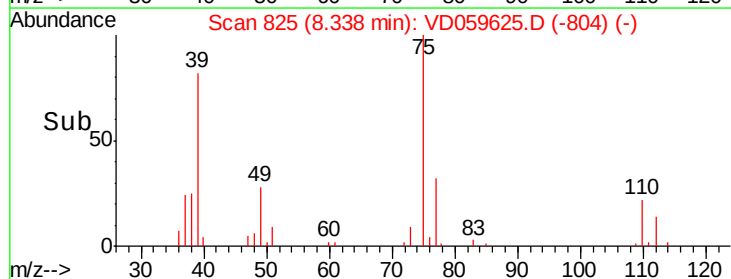
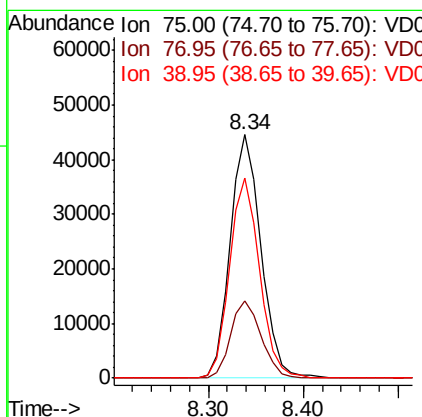
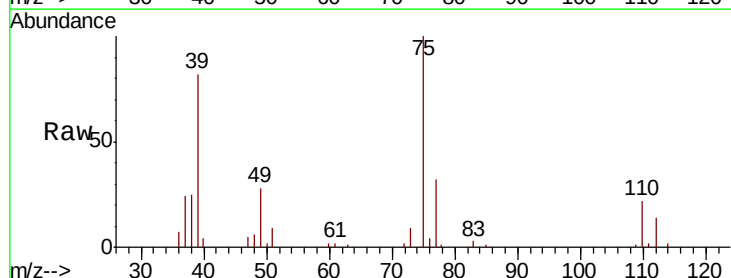
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

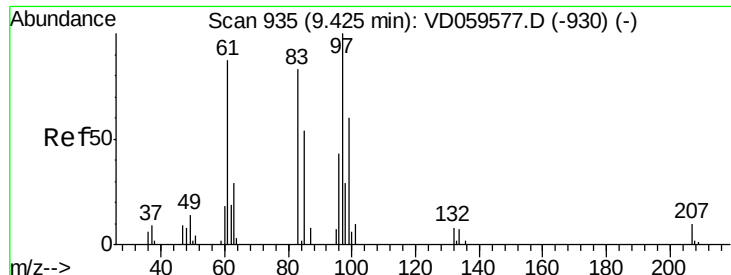
Tot Ion: 75 Resp: 101726
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.49 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion: 75 Resp: 99884
 Ion Ratio Lower Upper
 75 100
 77 31.9 27.7 41.5
 39 82.3 63.8 95.8

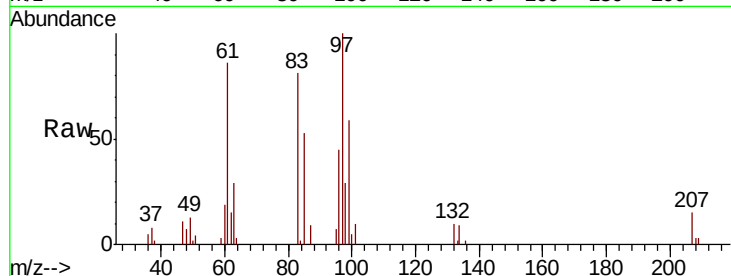




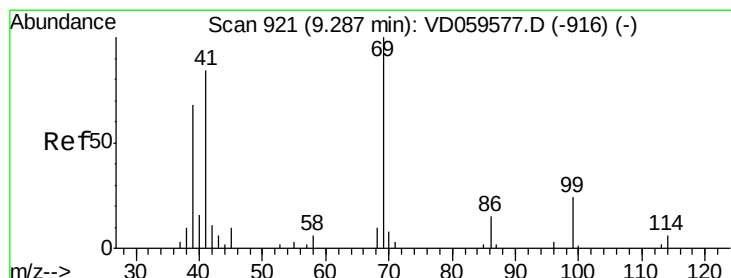
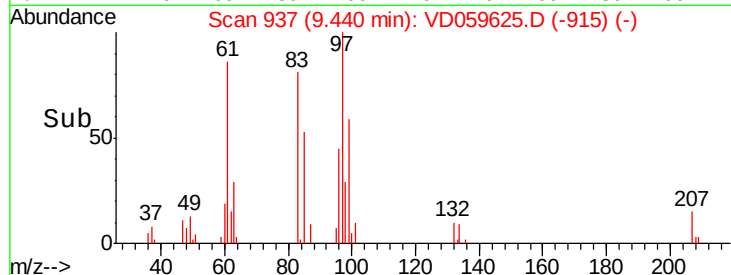
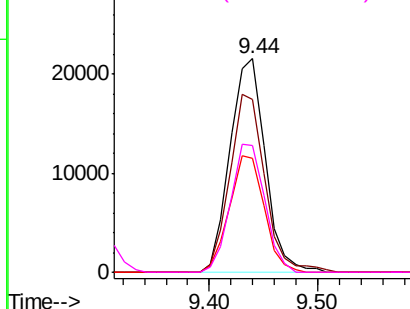
#55
 1,1,2-Trichloroethane
 Concen: 51.17 ug/l
 RT: 9.44 min Scan# 937
 Delta R.T. 0.02 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 48840
 Ion Ratio Lower Upper
 97 100
 83 81.1 66.3 99.5
 85 53.3 43.0 64.6
 99 59.2 47.7 71.5

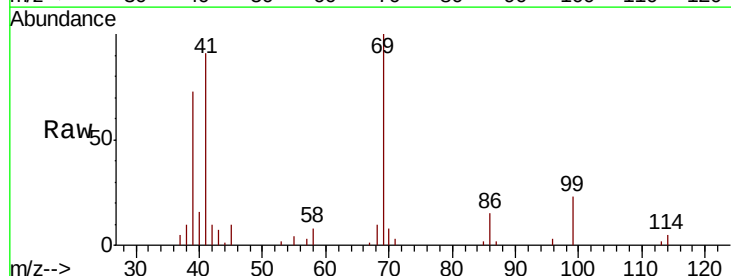


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

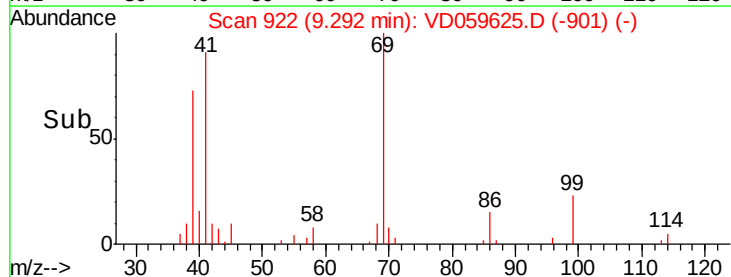
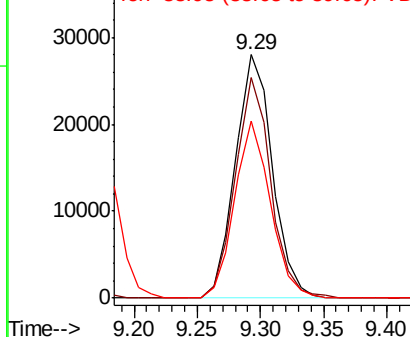


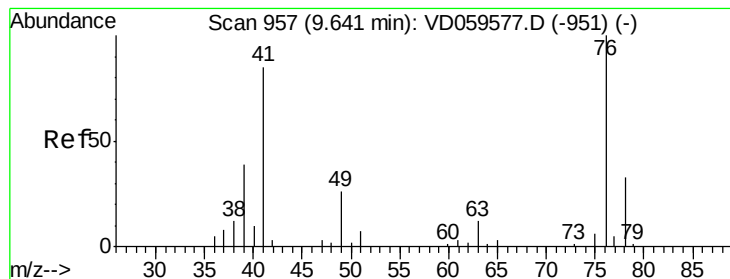
#56
 Ethyl methacrylate
 Concen: 52.68 ug/l
 RT: 9.29 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion: 69 Resp: 57044
 Ion Ratio Lower Upper
 69 100
 41 90.6 66.8 100.2
 39 72.9 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: 50.95 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

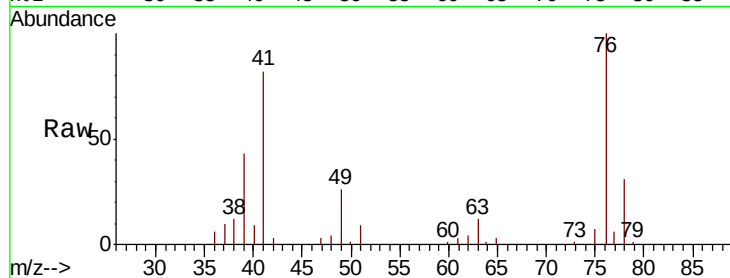
VSTDCCC050

Tot Ion: 76 Resp: 77261

Ion Ratio Lower Upper

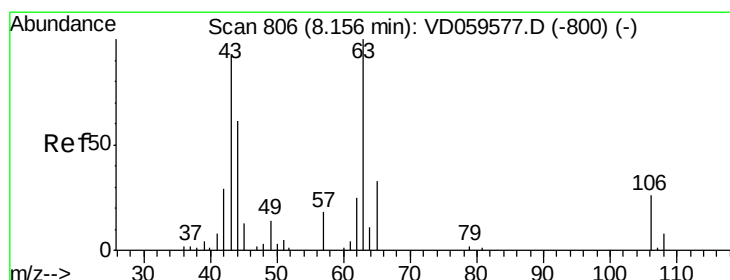
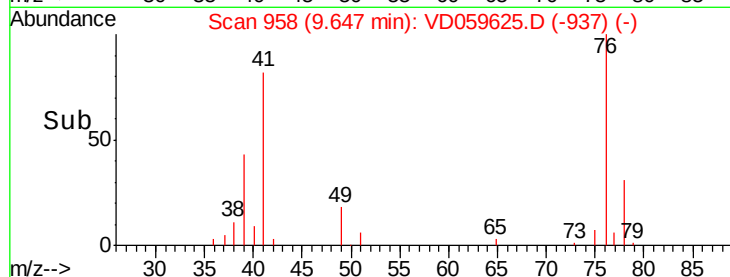
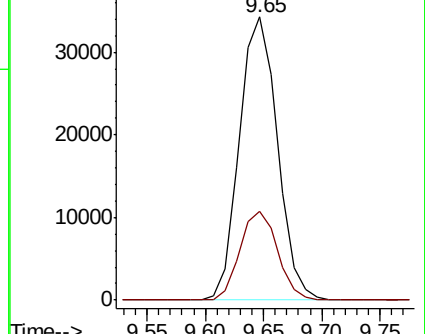
76 100

78 31.3 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: 258.25 ug/l

RT: 8.17 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059625.D

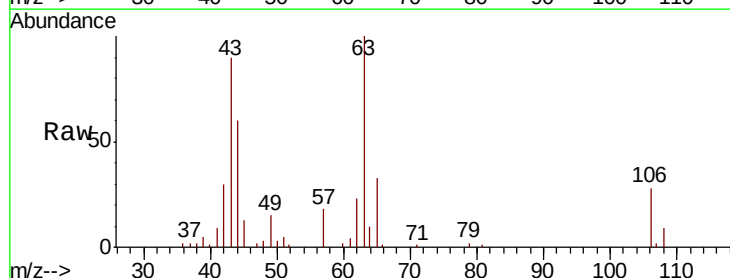
Acq: 30 Jul 2018 17:45

Tgt Ion: 63 Resp: 131396

Ion Ratio Lower Upper

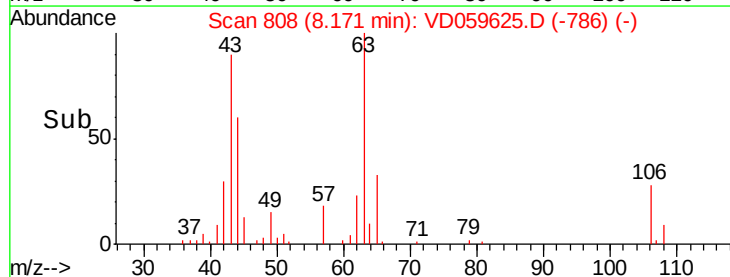
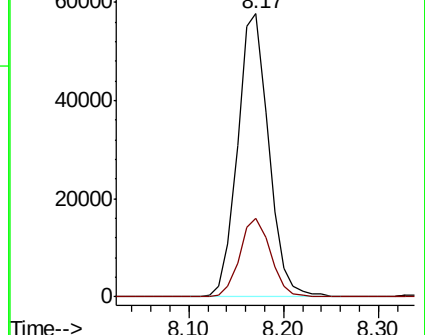
63 100

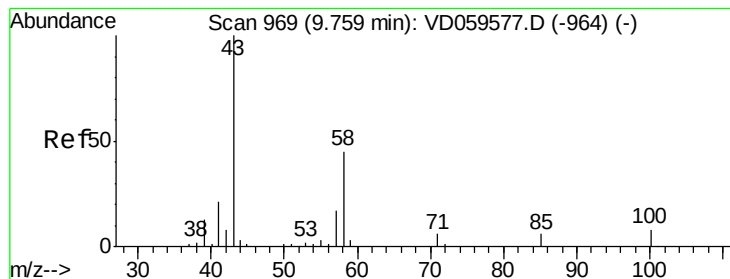
106 27.8 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 237.55 ug/l

RT: 9.76 min Scan# 970

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

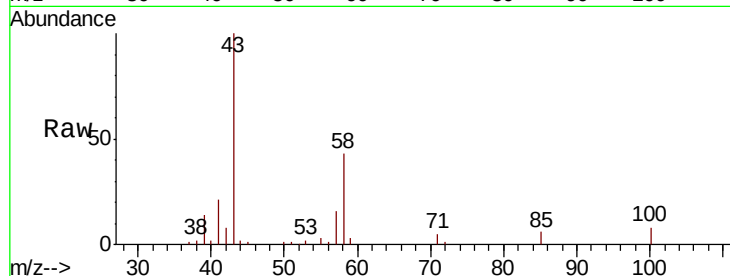
VSTDCCC050

Tot Ion: 43 Resp: 167906

Ion Ratio Lower Upper

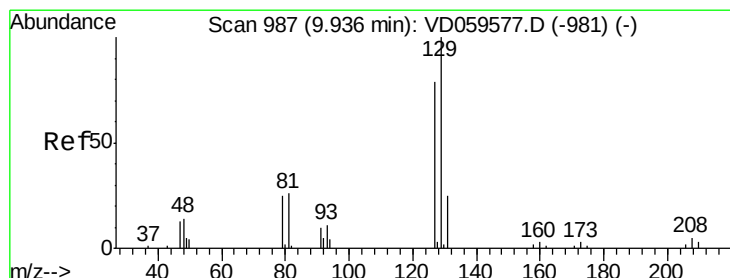
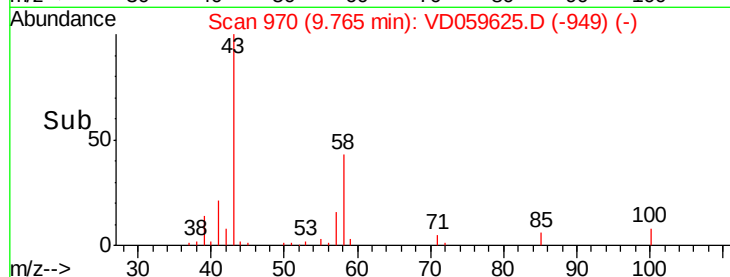
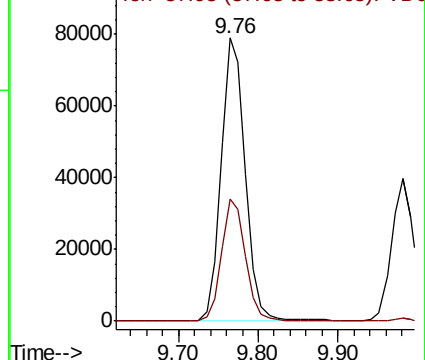
43 100

58 43.1 22.7 68.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 52.60 ug/l

RT: 9.94 min Scan# 988

Delta R.T. 0.01 min

Lab File: VD059625.D

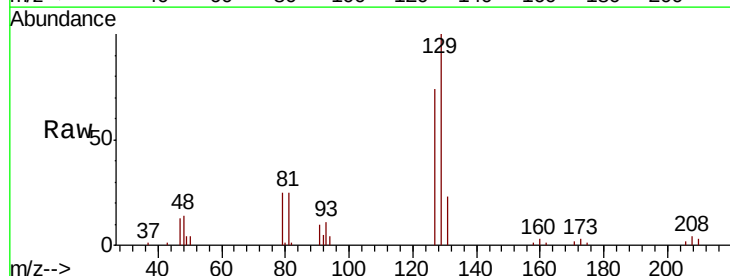
Acq: 30 Jul 2018 17:45

Tgt Ion:129 Resp: 83346

Ion Ratio Lower Upper

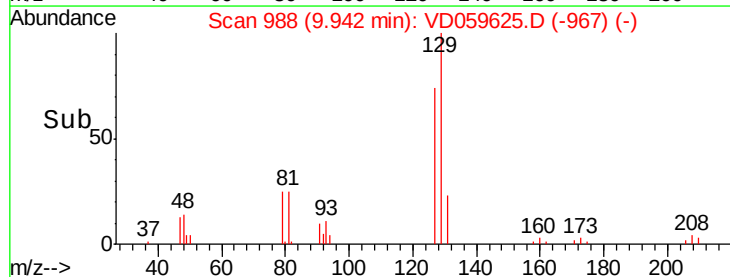
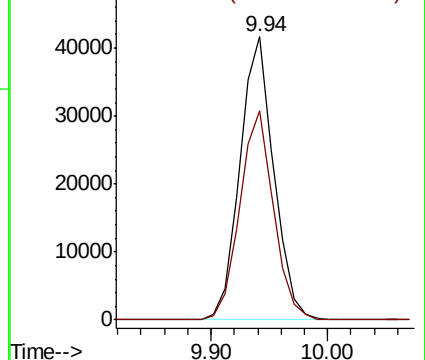
129 100

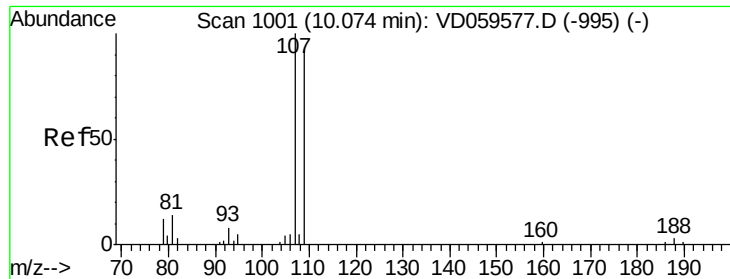
127 73.8 39.3 117.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 51.07 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

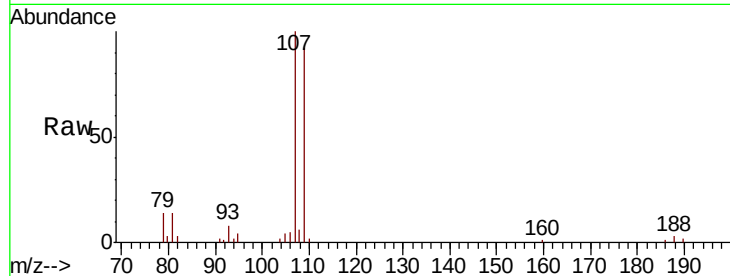
VSTDCCC050

Tot Ion:107 Resp: 57759

Ion Ratio Lower Upper

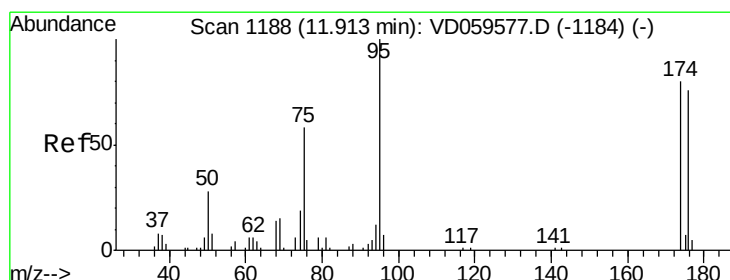
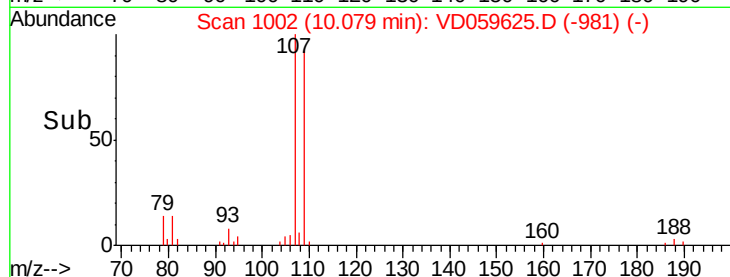
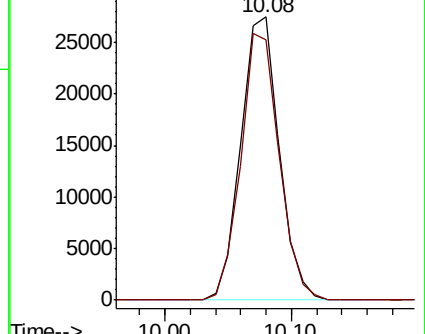
107 100

109 91.8 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: 51.07 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

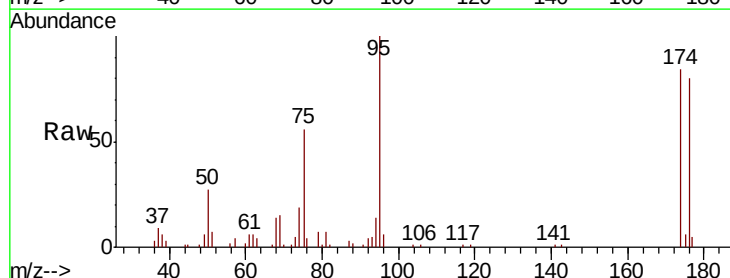
Tgt Ion: 95 Resp: 84452

Ion Ratio Lower Upper

95 100

174 84.0 0.0 160.6

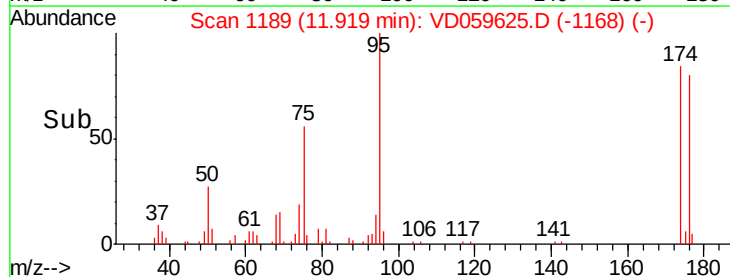
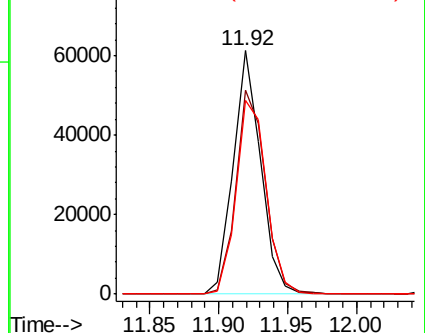
176 79.7 0.0 152.8

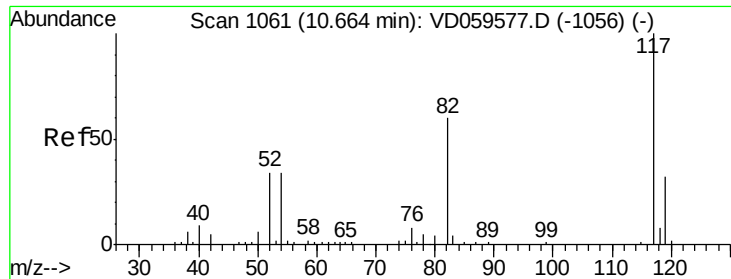


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

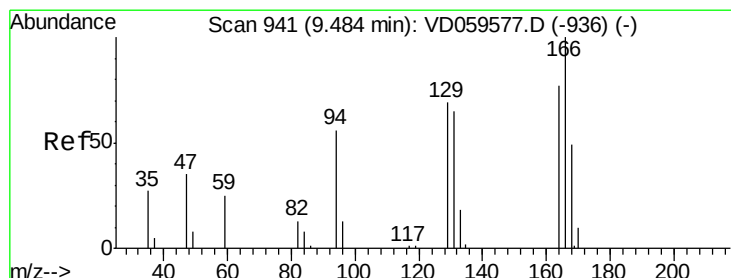
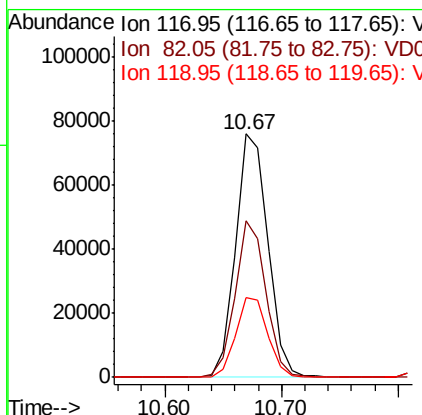
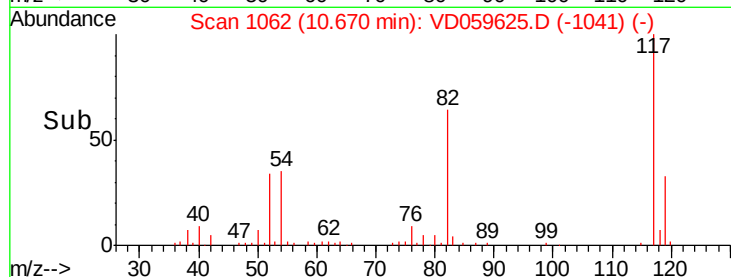
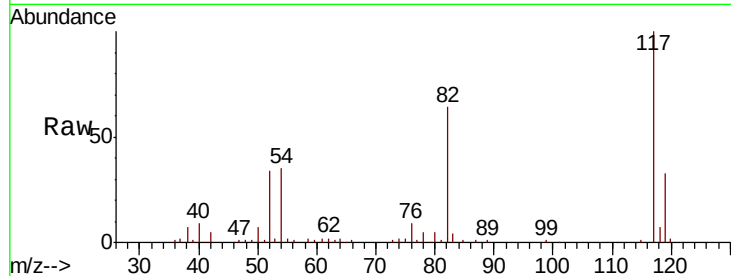




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

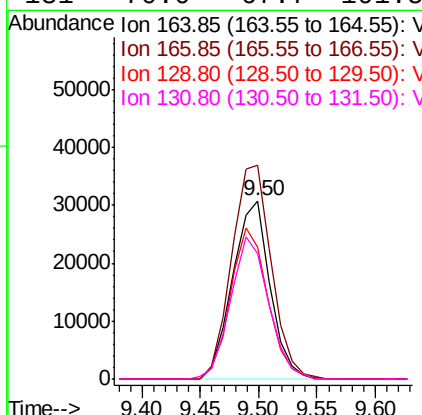
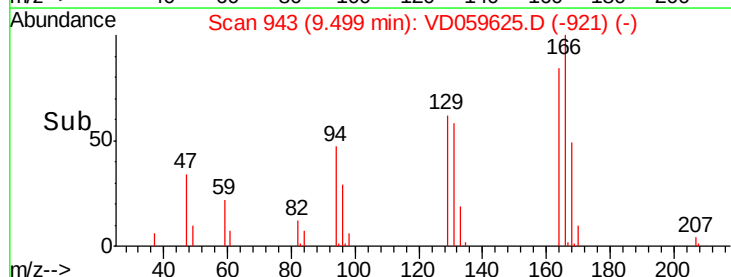
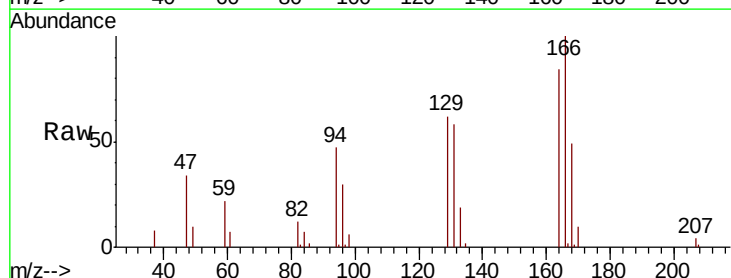
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

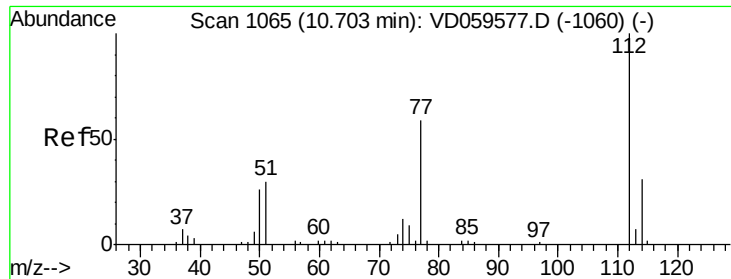
Tot Ion:117 Resp: 145237
Ion Ratio Lower Upper
117 100
82 64.2 48.2 72.2
119 33.0 25.4 38.2



#64
Tetrachloroethene
Concen: 51.89 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.02 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion:164 Resp: 68296
Ion Ratio Lower Upper
164 100
166 119.7 104.0 156.0
129 73.9 72.2 108.4
131 70.0 67.7 101.5

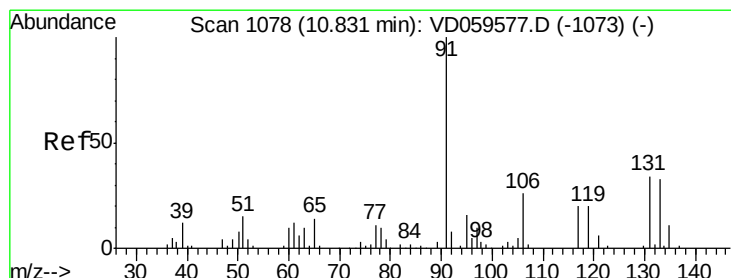
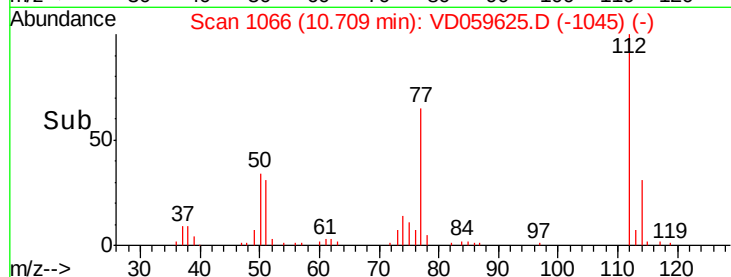
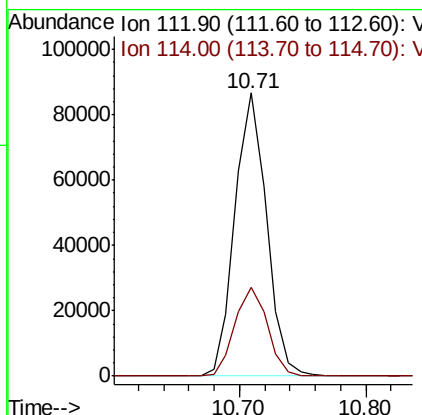
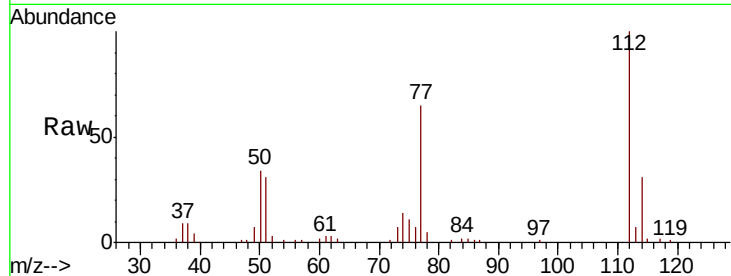




#65
Chlorobenzene
Concen: 50.47 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

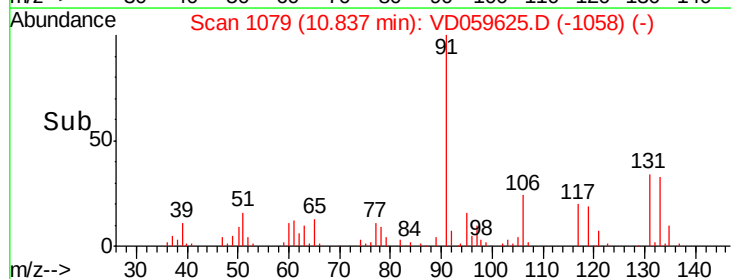
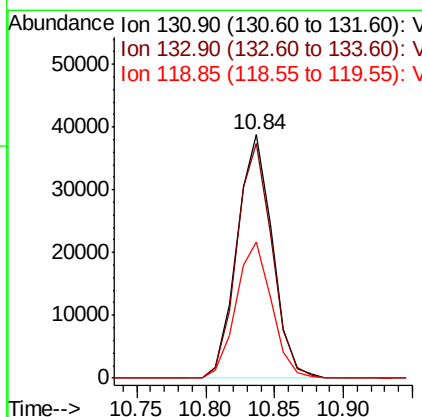
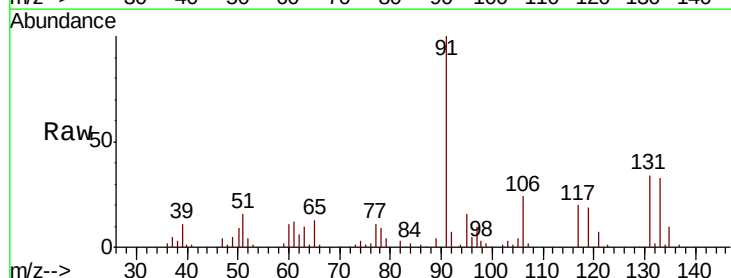
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

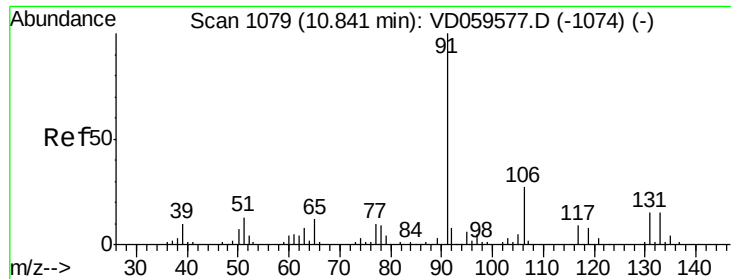
Tot Ion:112 Resp: 150257
Ion Ratio Lower Upper
112 100
114 31.4 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.23 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion:131 Resp: 68939
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.7
119 56.0 28.7 86.1

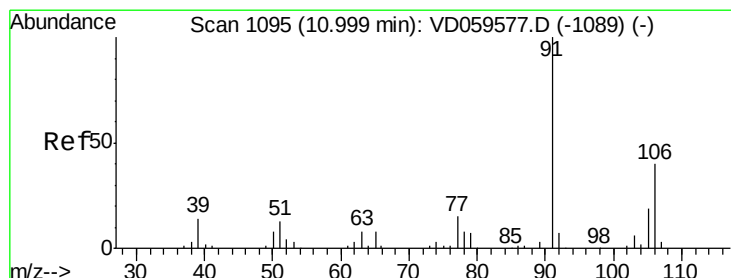
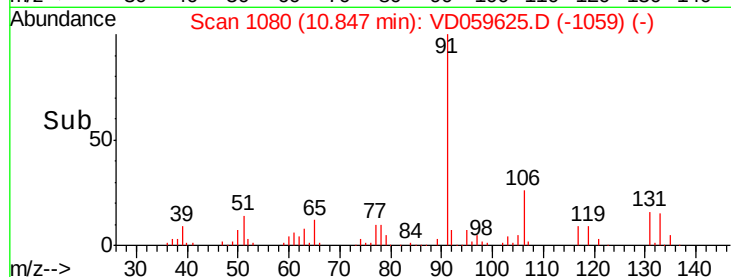
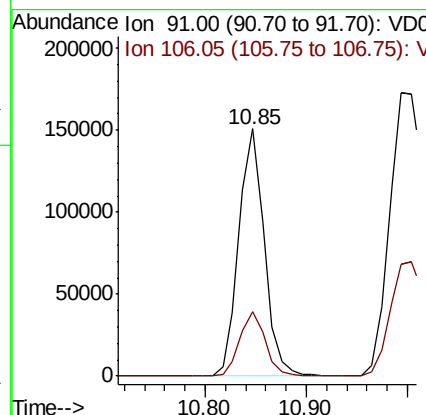
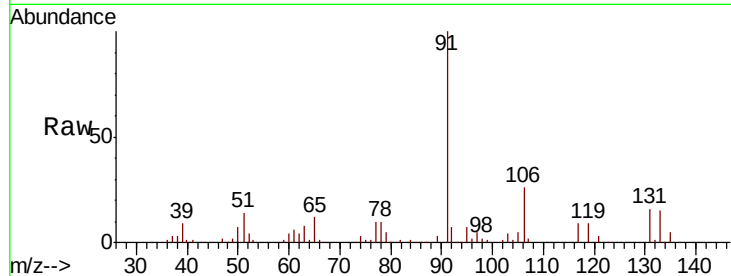




#67
Ethyl Benzene
Concen: 51.69 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

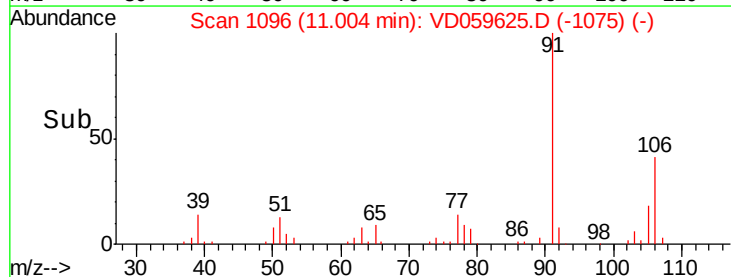
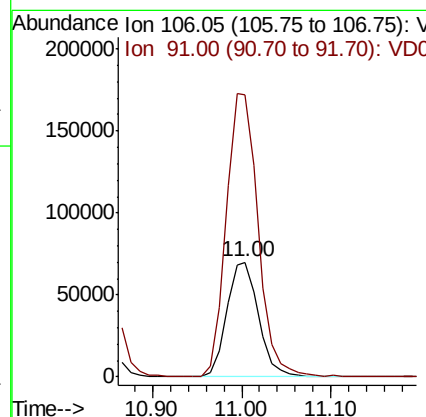
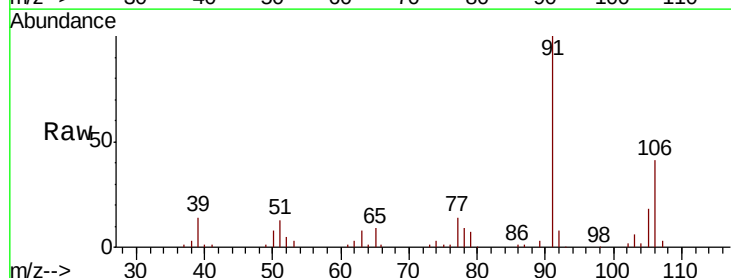
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

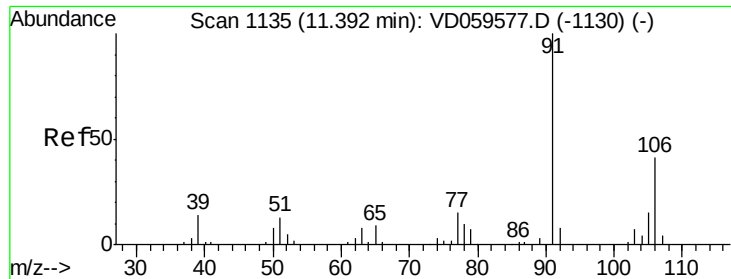
Tot Ion: 91 Resp: 264546
Ion Ratio Lower Upper
91 100
106 25.8 21.6 32.4



#68
m/p-Xylenes
Concen: 101.94 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 106 Resp: 174250
Ion Ratio Lower Upper
106 100
91 246.2 198.2 297.4

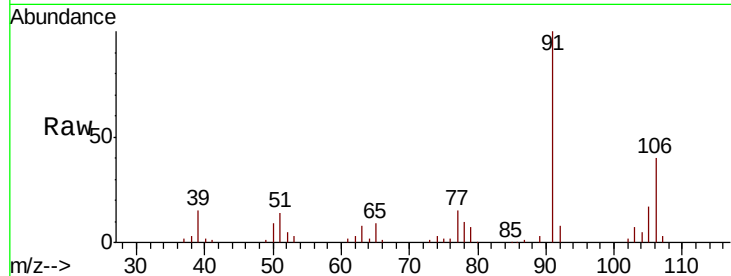




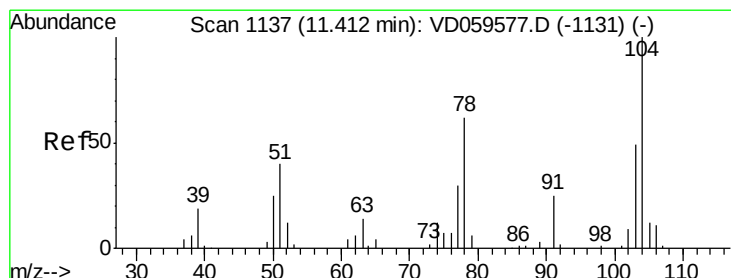
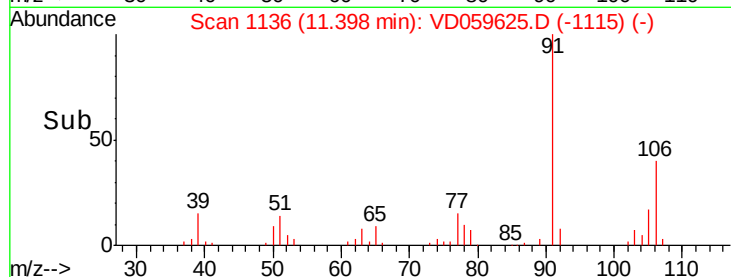
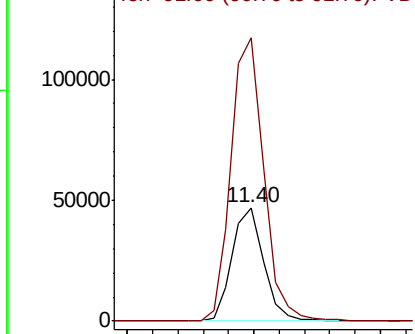
#69
o-Xylene
Concen: 48.92 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 81132
Ion Ratio Lower Upper
106 100
91 249.2 122.7 368.1

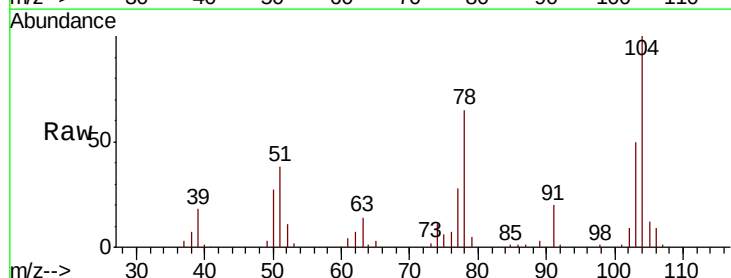


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

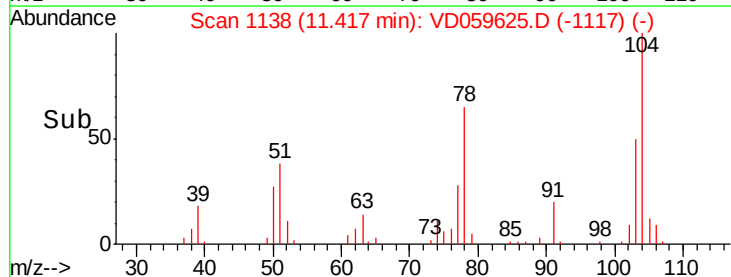
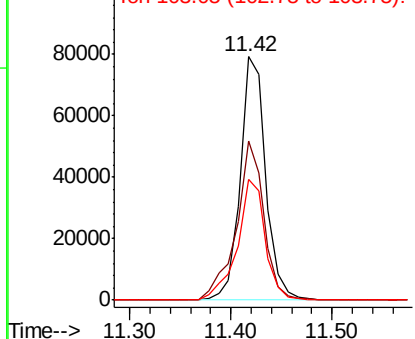


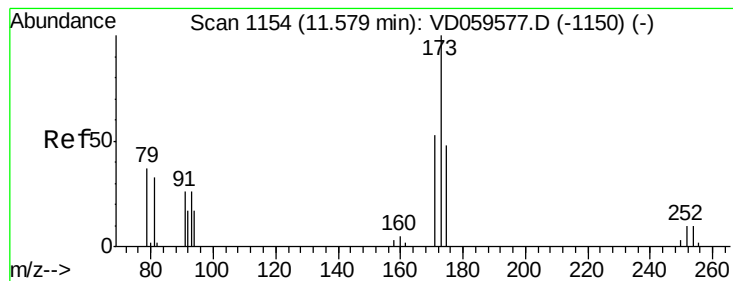
#70
Styrene
Concen: 50.39 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion:104 Resp: 138580
Ion Ratio Lower Upper
104 100
78 65.4 49.4 74.0
103 49.8 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: 54.59 ug/l

RT: 11.58 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

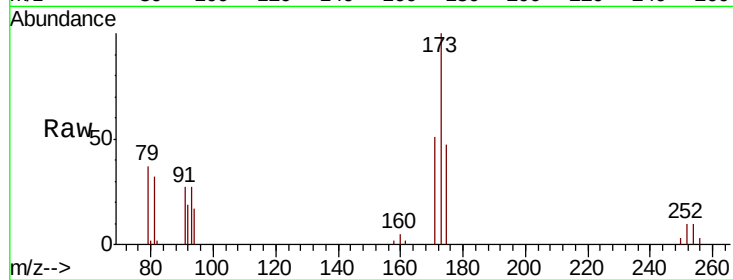
Tot Ion:173 Resp: 57563

Ion Ratio Lower Upper

173 100

175 47.0 23.8 71.4

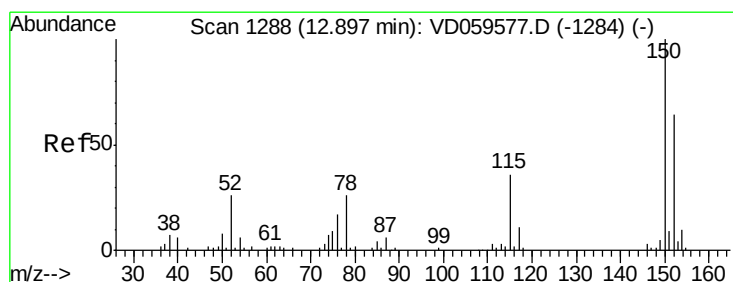
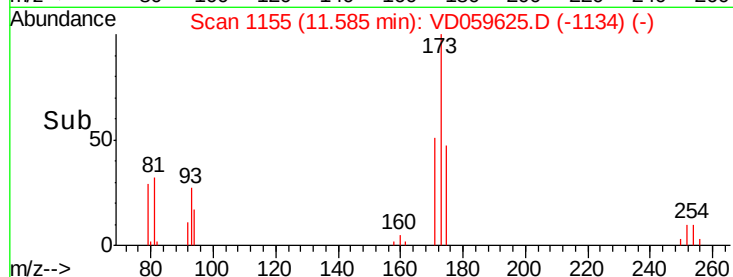
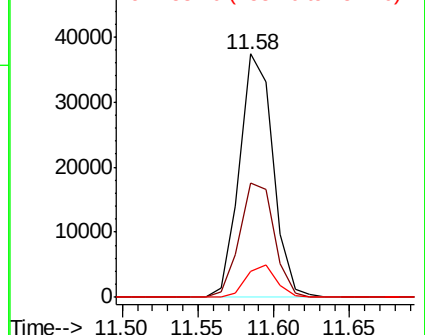
254 10.5 7.8 11.6



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# 1289

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

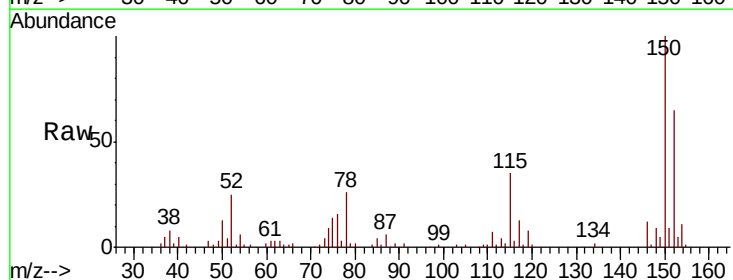
Tgt Ion:152 Resp: 78157

Ion Ratio Lower Upper

152 100

115 53.7 29.5 88.6

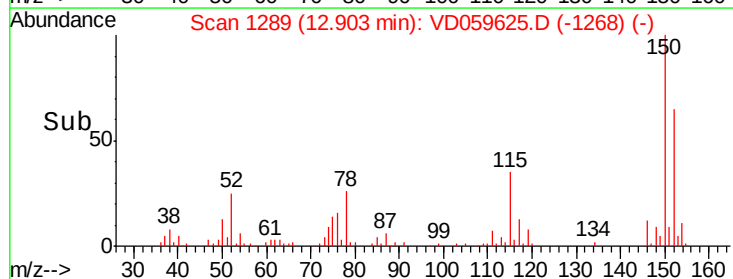
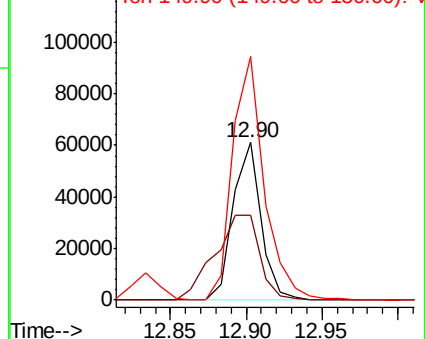
150 154.5 0.0 314.4

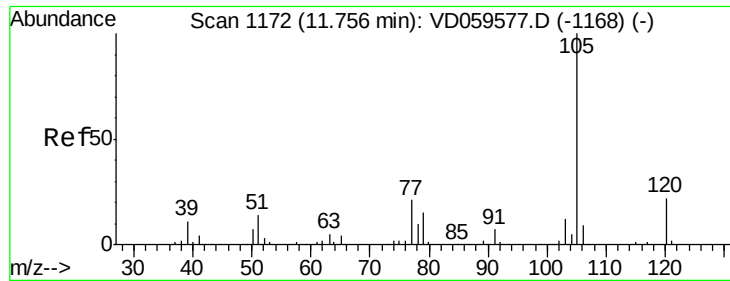


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.68 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

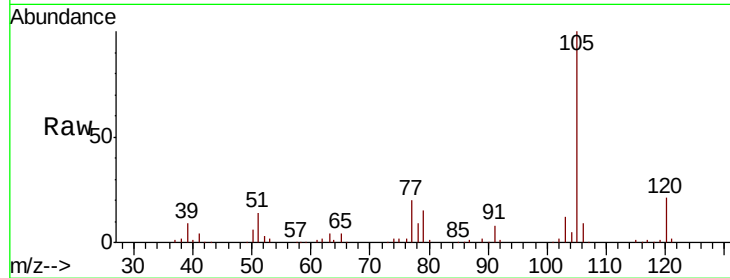
VSTDCCC050

Tot Ion:105 Resp: 257754

Ion Ratio Lower Upper

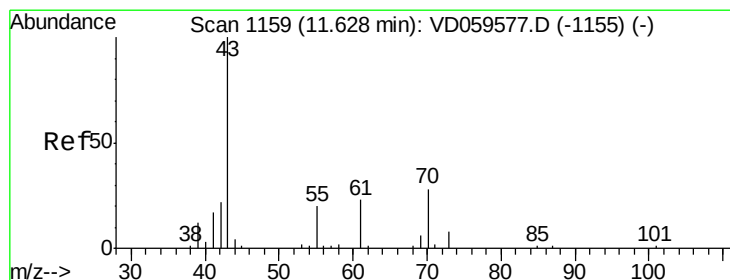
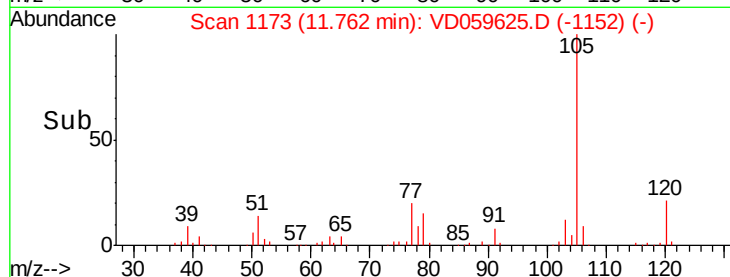
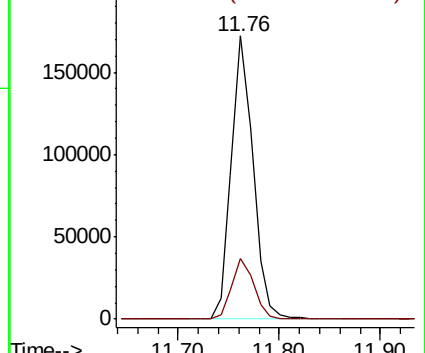
105 100

120 21.4 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: 48.85 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Tgt Ion: 43 Resp: 92411

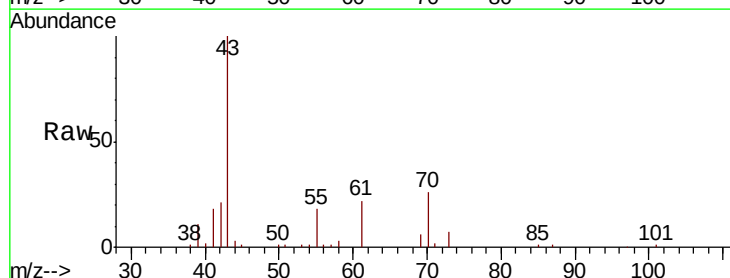
Ion Ratio Lower Upper

43 100

70 26.0 22.0 33.0

55 18.3 16.2 24.2

61 22.0 18.6 27.8

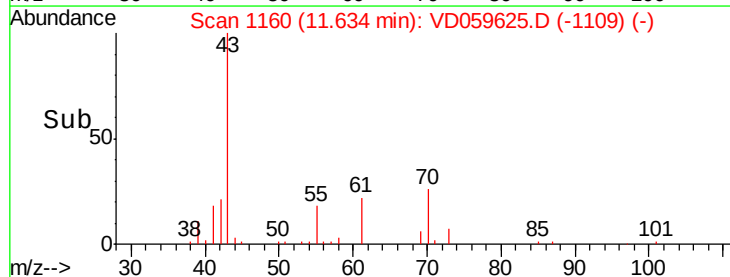
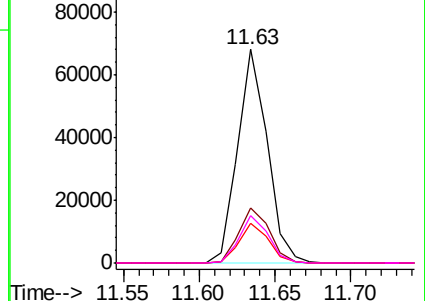


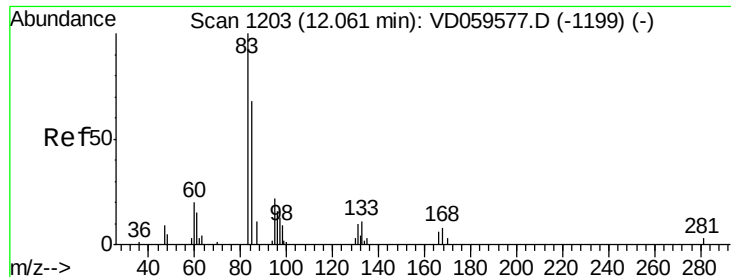
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.33 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

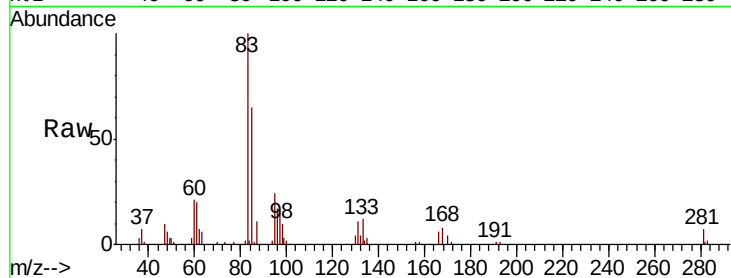
Tot Ion: 83 Resp: 55610

Ion Ratio Lower Upper

83 100

131 11.2 5.1 15.2

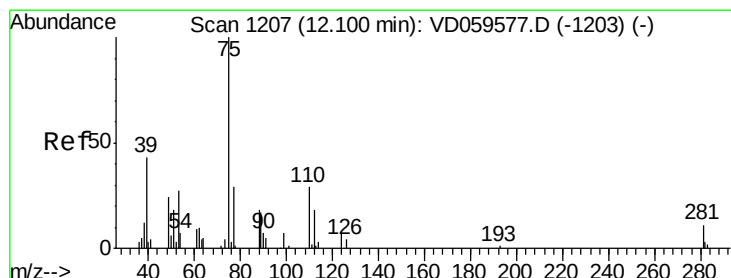
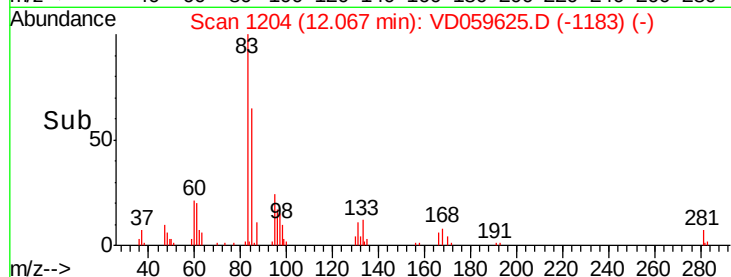
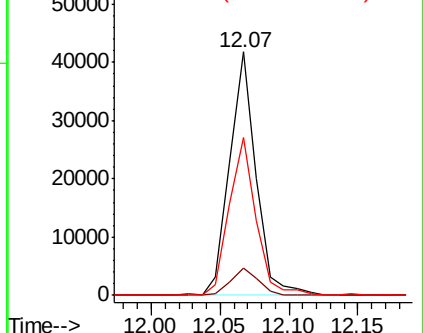
85 64.6 34.1 102.3



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: 48.89 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VD059625.D

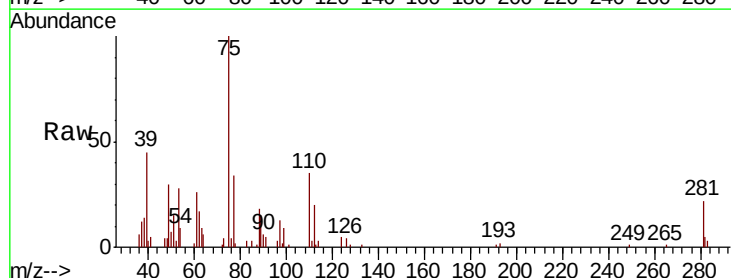
Acq: 30 Jul 2018 17:45

Tgt Ion: 75 Resp: 63184

Ion Ratio Lower Upper

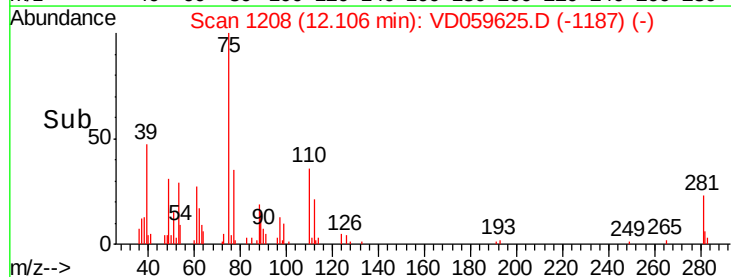
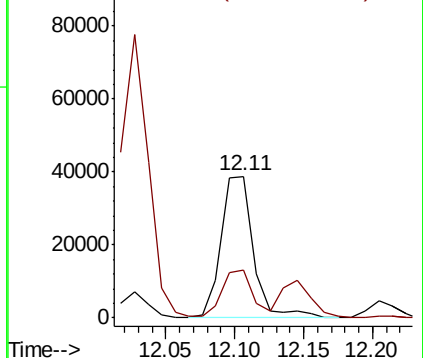
75 100

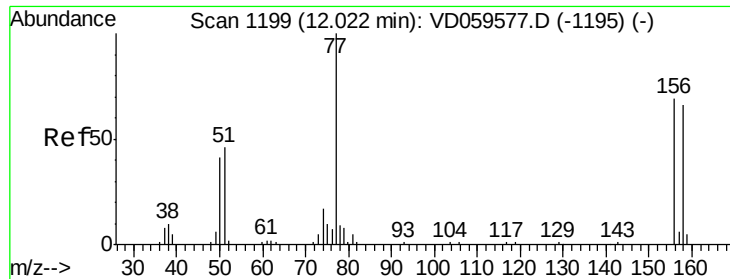
77 33.7 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

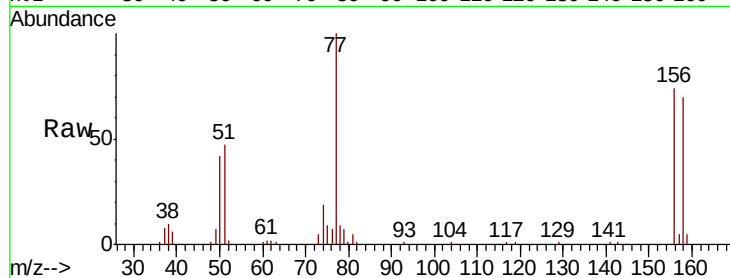




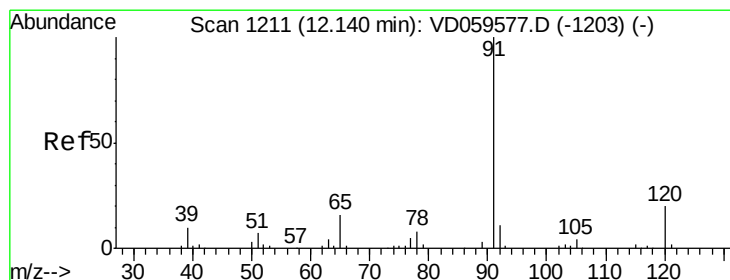
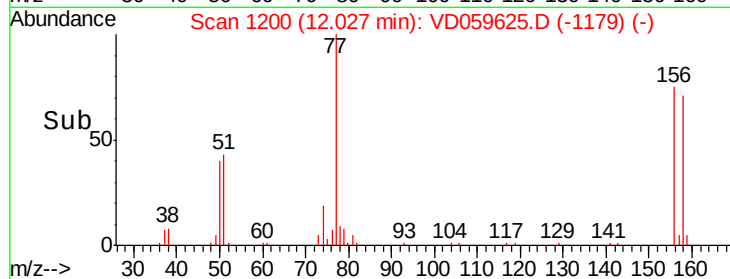
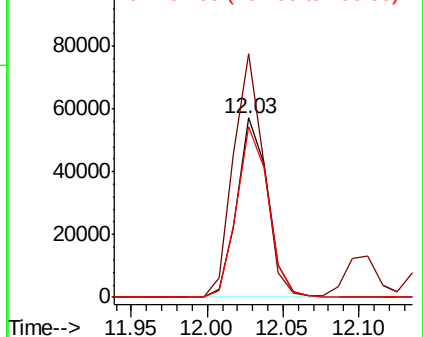
#77
Bromobenzene
Concen: 50.02 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 80850
Ion Ratio Lower Upper
156 100
77 136.0 72.4 217.2
158 95.1 48.0 144.2

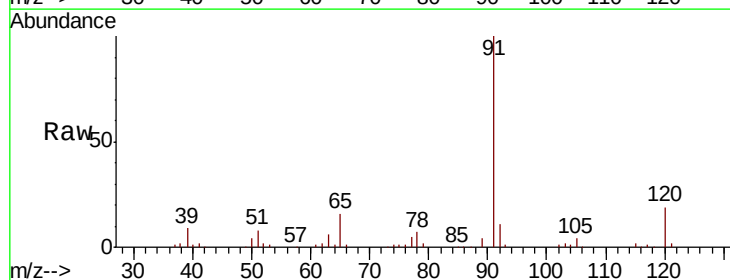


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

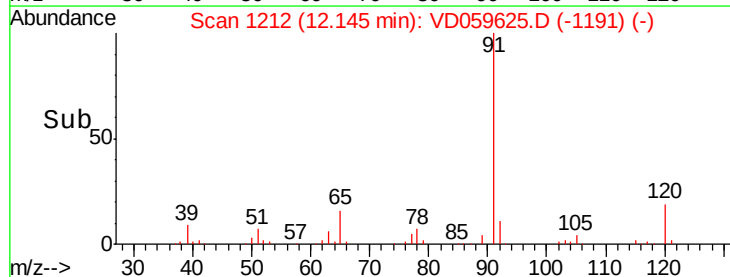
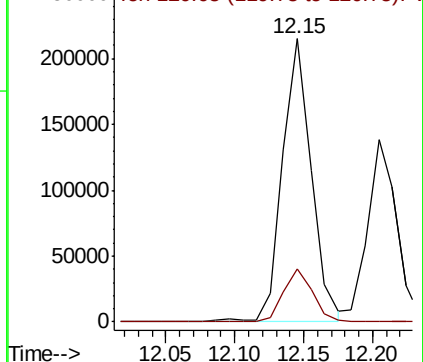


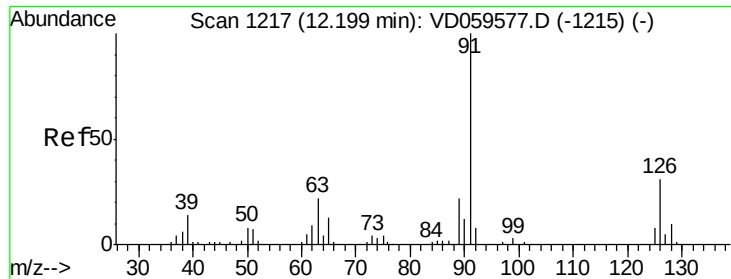
#78
n-propylbenzene
Concen: 46.31 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 91 Resp: 310709
Ion Ratio Lower Upper
91 100
120 18.6 9.9 29.7



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

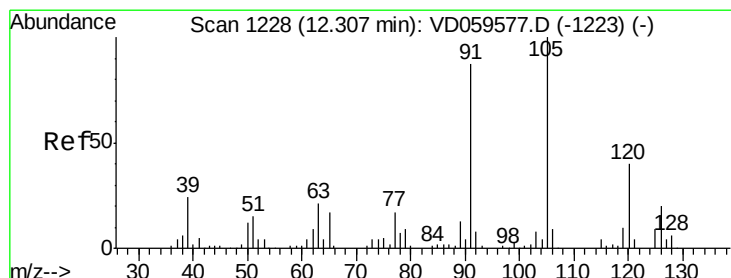
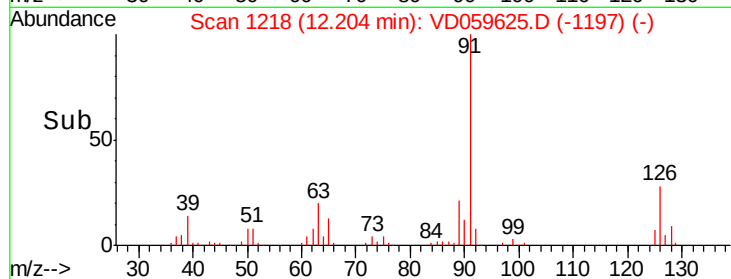
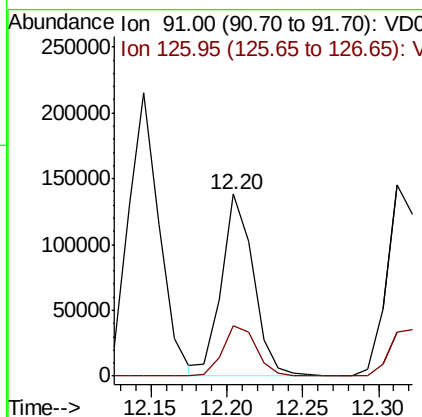
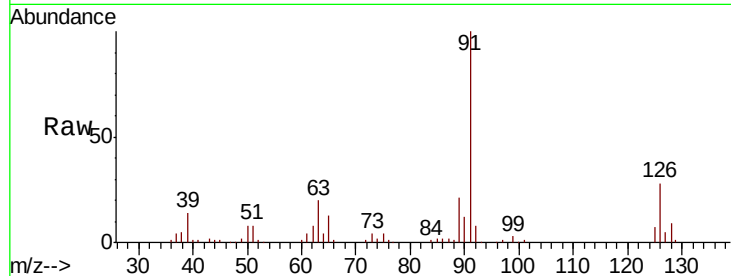




#79
 2-Chlorotoluene
 Concen: 50.36 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

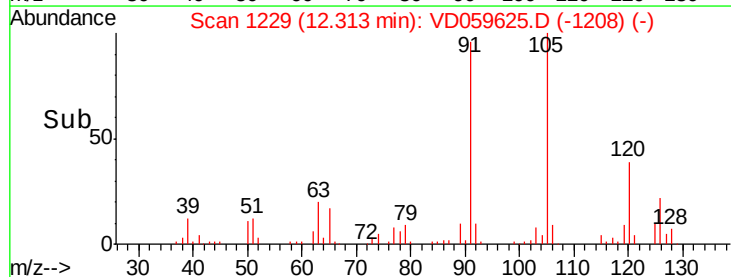
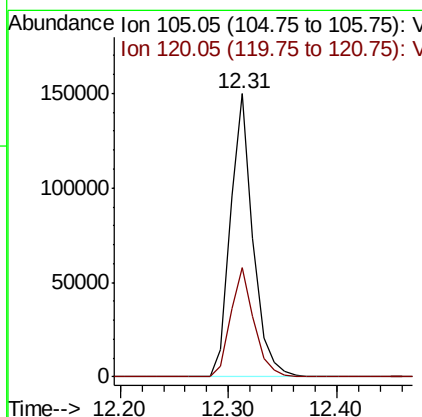
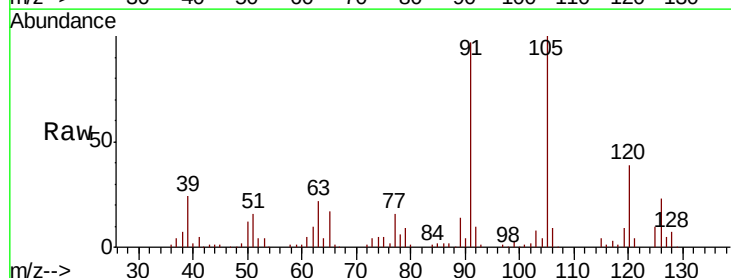
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

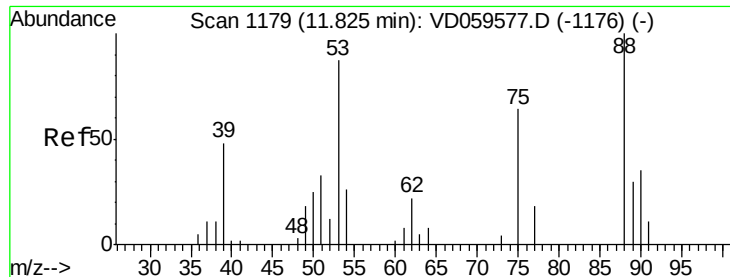
Tot Ion: 91 Resp: 201429
 Ion Ratio Lower Upper
 91 100
 126 27.9 14.5 43.6



#80
 1,3,5-Trimethylbenzene
 Concen: 49.69 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion: 105 Resp: 216636
 Ion Ratio Lower Upper
 105 100
 120 38.6 19.9 59.6

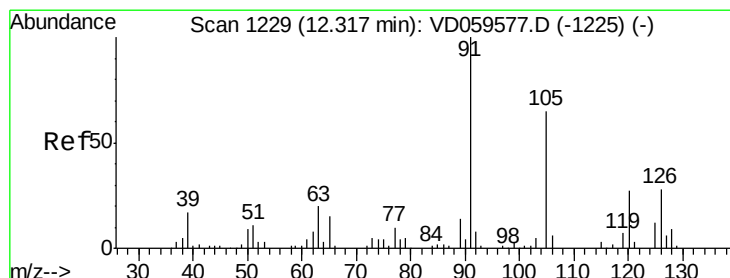
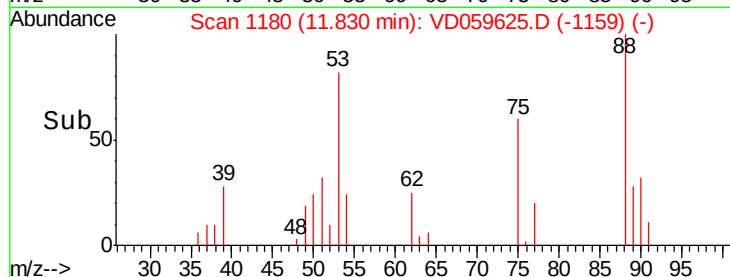
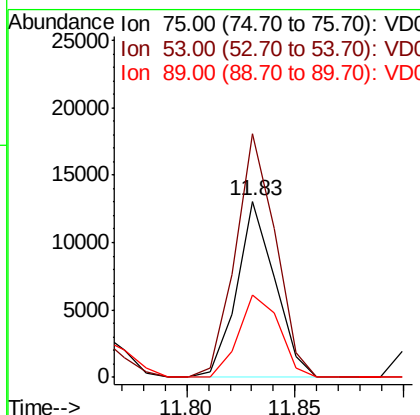
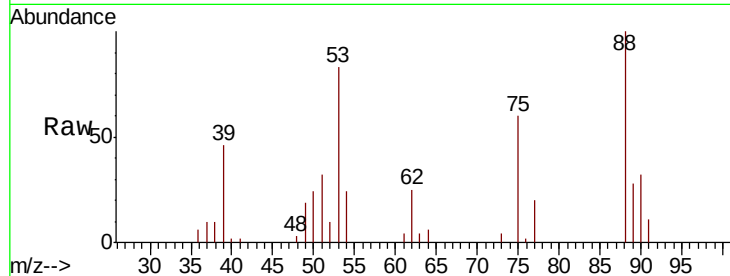




#81
trans-1,4-Dichloro-2-butene
Concen: 48.55 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

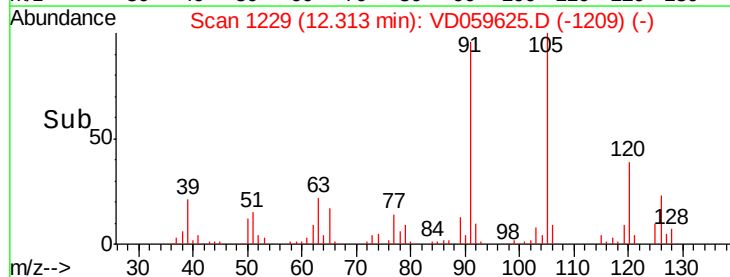
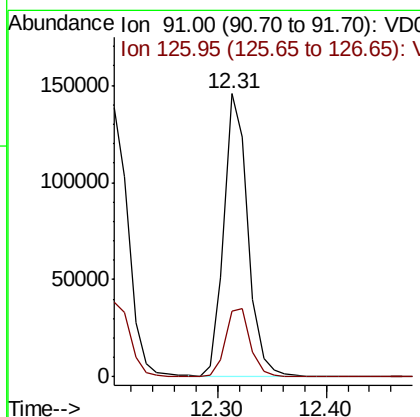
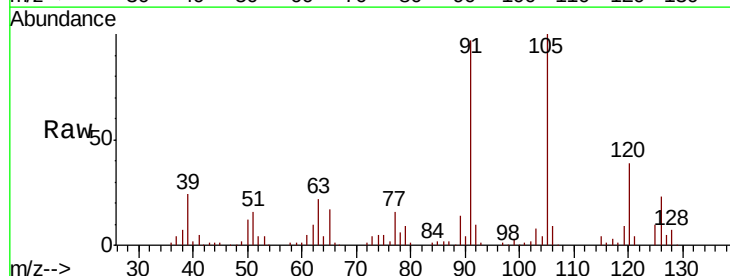
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

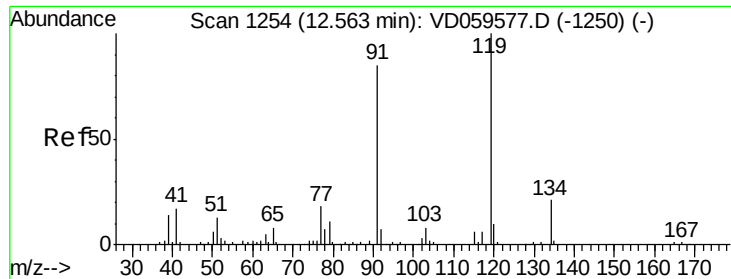
Tot Ion: 75 Resp: 16042
Ion Ratio Lower Upper
75 100
53 138.3 107.7 161.5
89 47.0 37.3 55.9



#82
4-Chlorotoluene
Concen: 49.97 ug/l
RT: 12.31 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion: 91 Resp: 226023
Ion Ratio Lower Upper
91 100
126 23.2 14.1 42.4

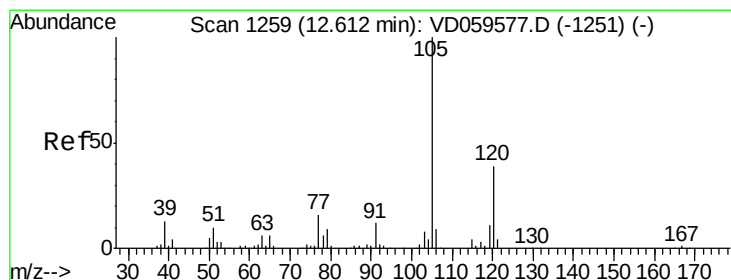
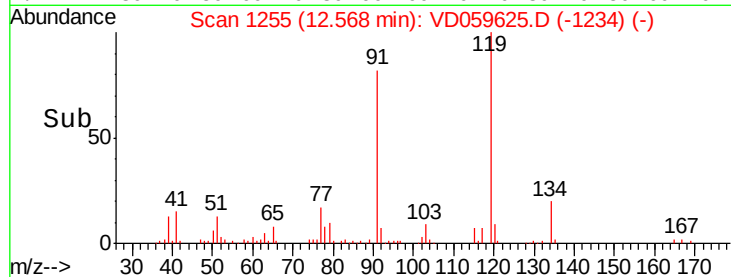
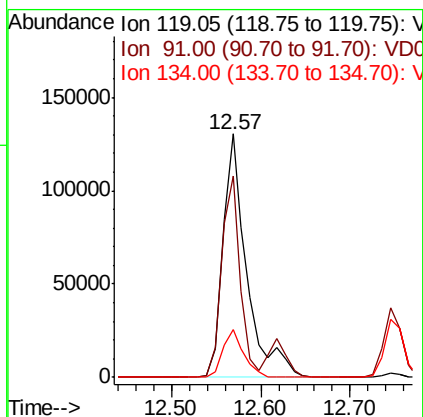
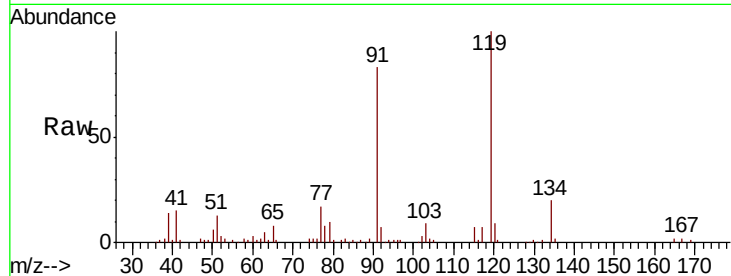




#83
 tert-Butylbenzene
 Concen: 49.67 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

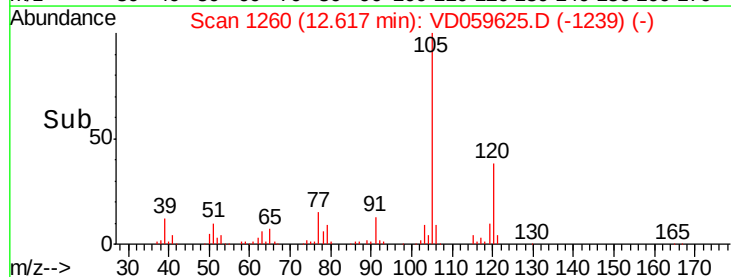
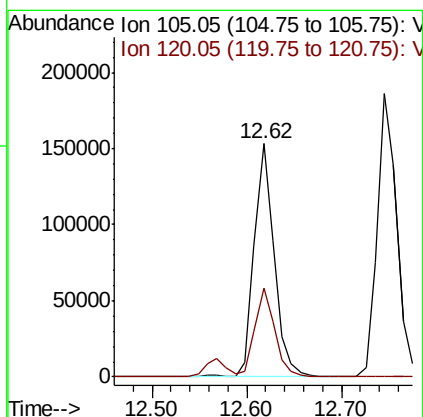
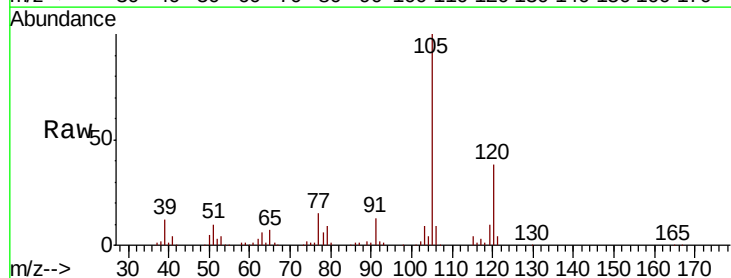
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

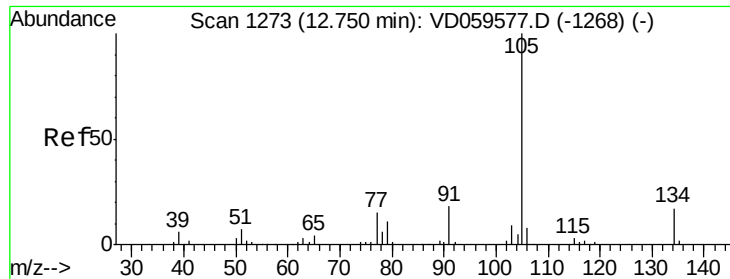
Tot Ion:119 Resp: 243745
 Ion Ratio Lower Upper
 119 100
 91 82.9 42.5 127.5
 134 19.5 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.39 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion:105 Resp: 224245
 Ion Ratio Lower Upper
 105 100
 120 38.1 19.3 57.9

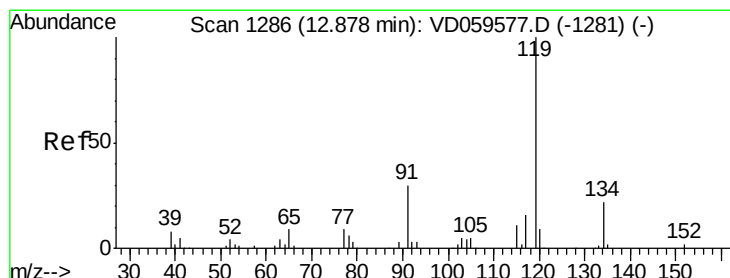
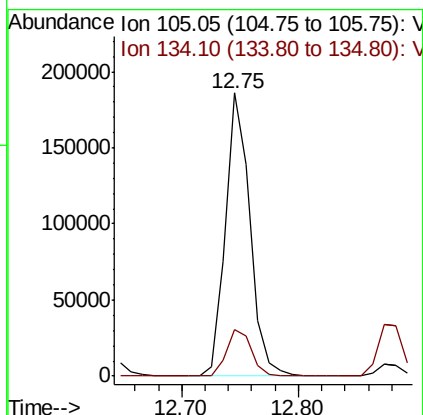
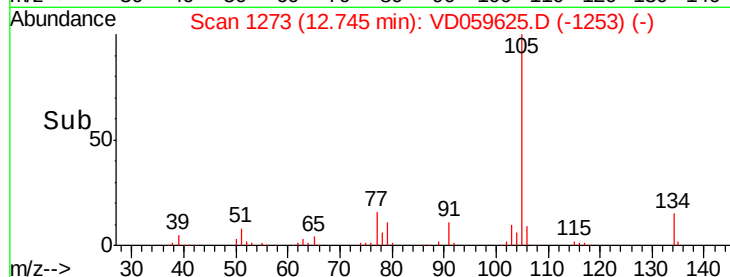
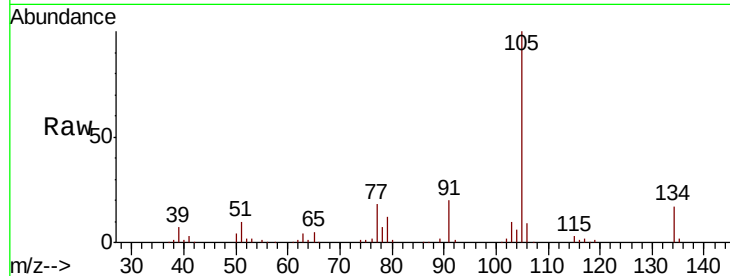




#85
 sec-Butylbenzene
 Concen: 48.23 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

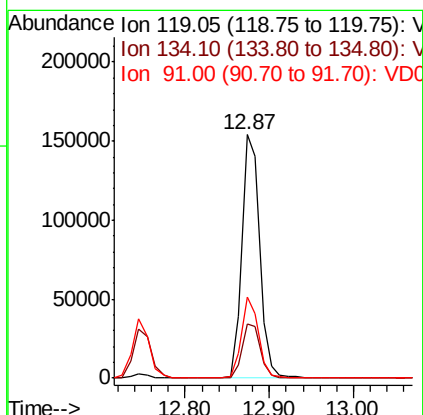
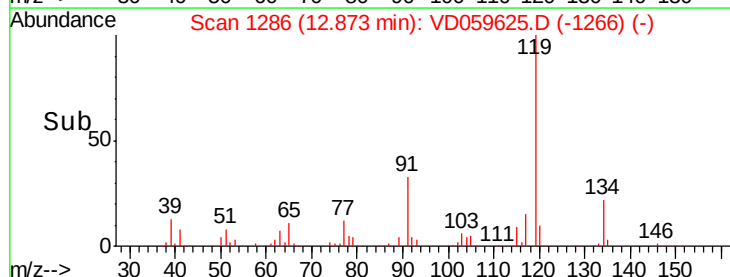
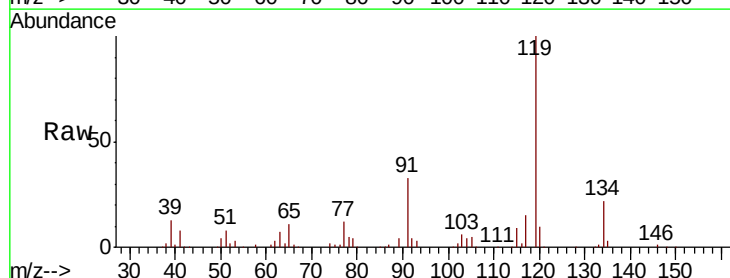
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

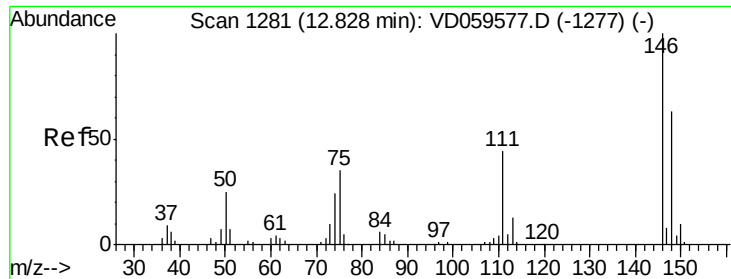
Tot Ion:105 Resp: 270480
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 47.81 ug/l
 RT: 12.87 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion:119 Resp: 225967
 Ion Ratio Lower Upper
 119 100
 134 22.3 11.2 33.6
 91 33.5 15.0 45.1

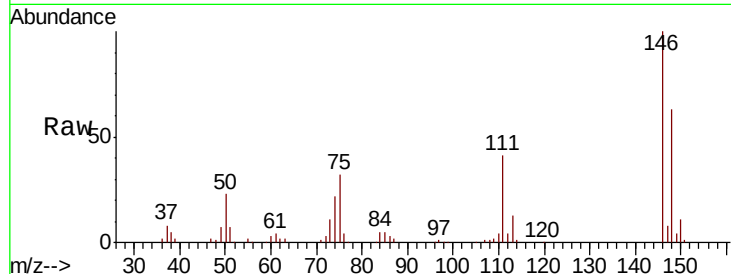




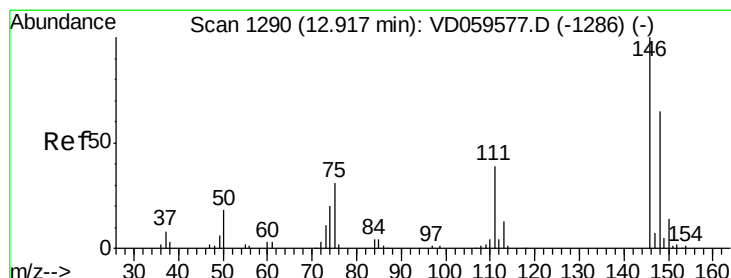
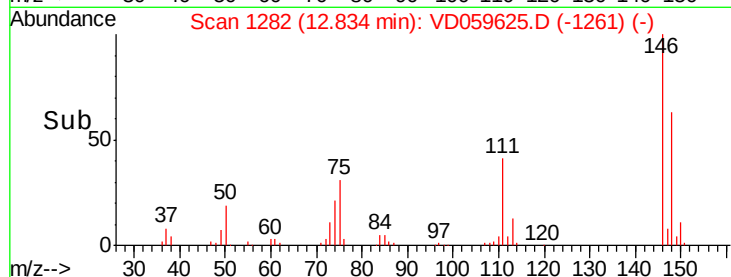
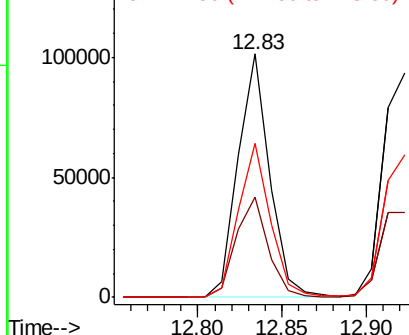
#87
 1,3-Dichlorobenzene
 Concen: 48.24 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 131857
 Ion Ratio Lower Upper
 146 100
 111 41.4 22.2 66.6
 148 63.5 31.8 95.3

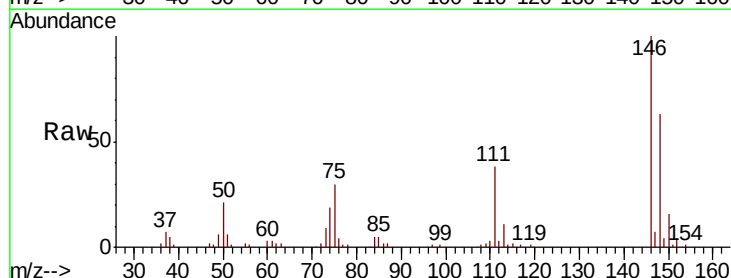


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

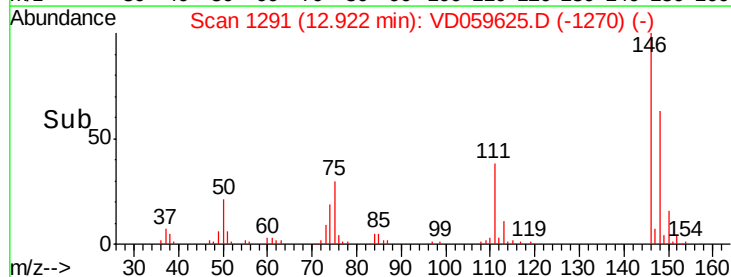
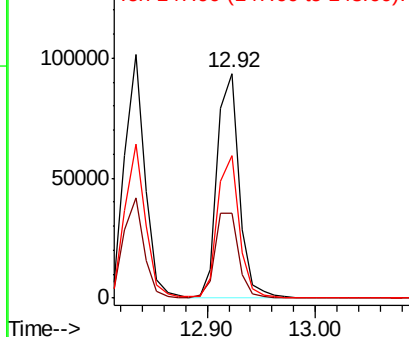


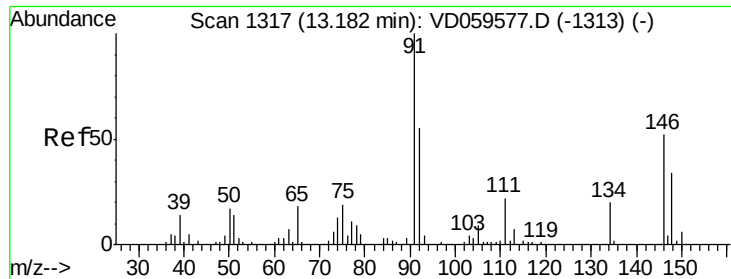
#88
 1,4-Dichlorobenzene
 Concen: 50.34 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion:146 Resp: 132570
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.3 57.9
 148 63.2 32.4 97.2



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





#89

n-Butylbenzene

Concen: 48.20 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

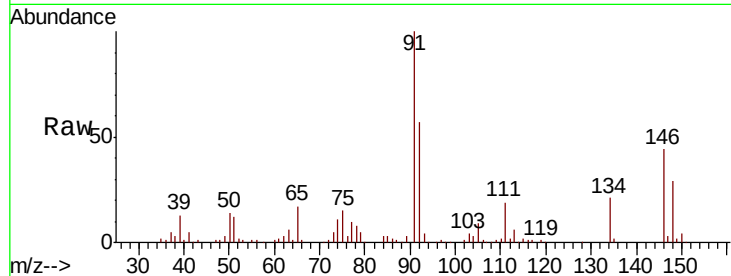
Tot Ion: 91 Resp: 219962

Ion Ratio Lower Upper

91 100

92 57.1 27.6 82.7

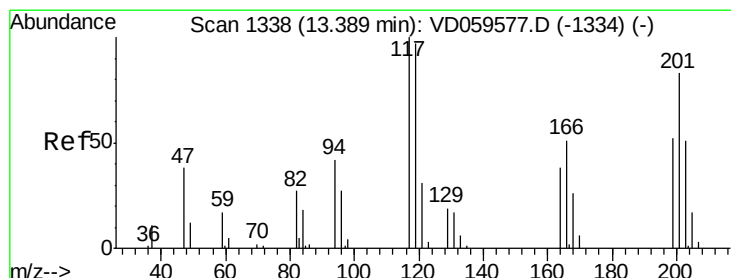
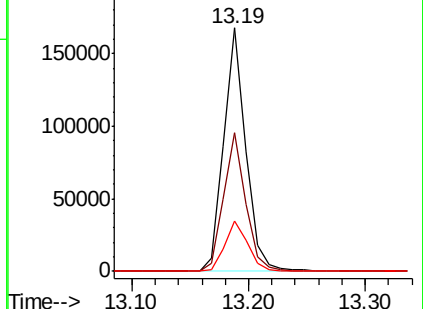
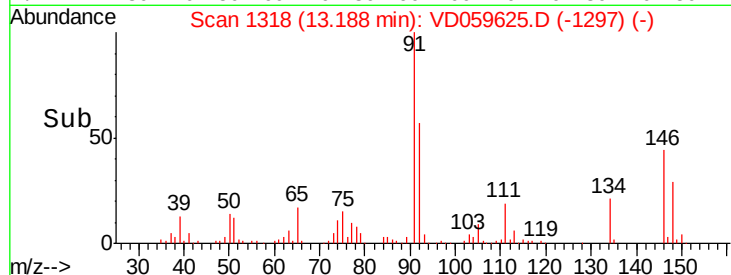
134 20.7 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 48.64 ug/l

RT: 13.39 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VD059625.D

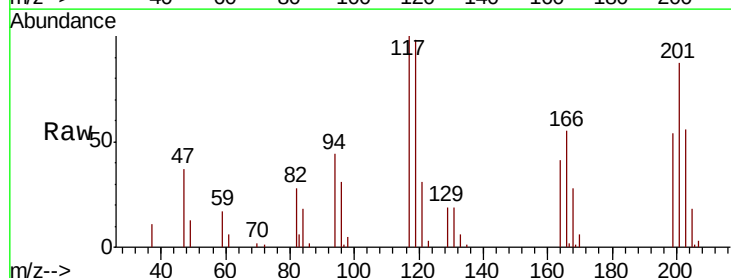
Acq: 30 Jul 2018 17:45

Tgt Ion: 117 Resp: 61436

Ion Ratio Lower Upper

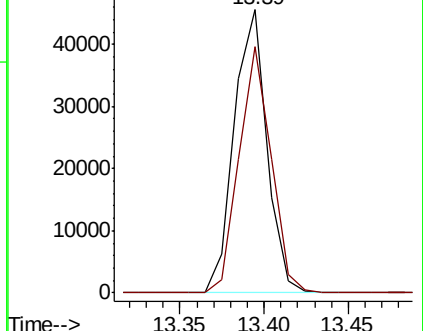
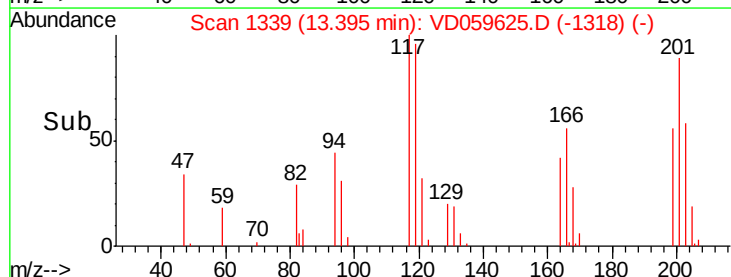
117 100

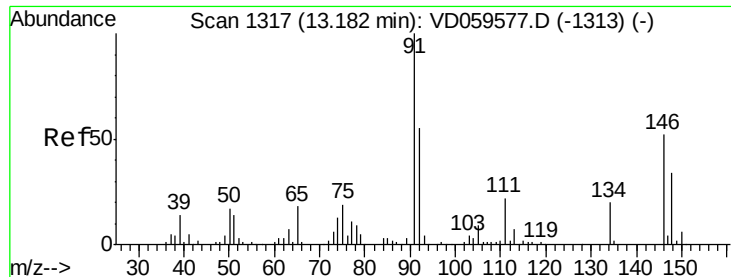
201 87.0 41.5 124.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 47.14 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

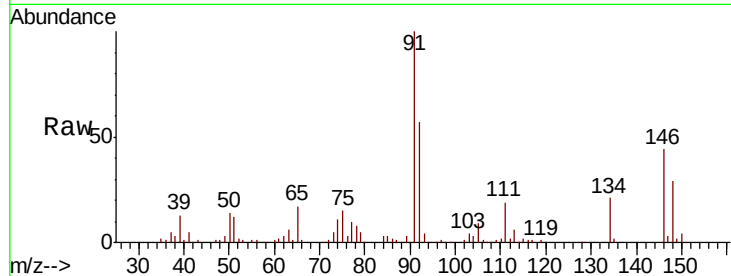
Tot Ion:146 Resp: 108122

Ion Ratio Lower Upper

146 100

111 43.7 21.4 64.3

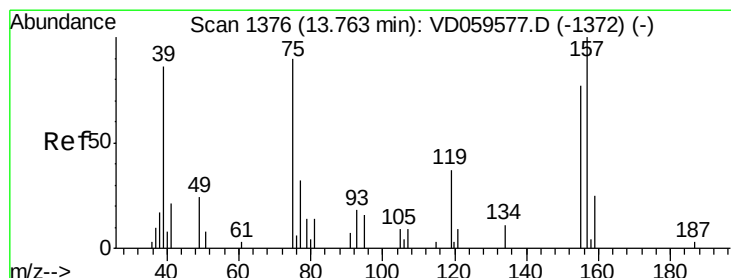
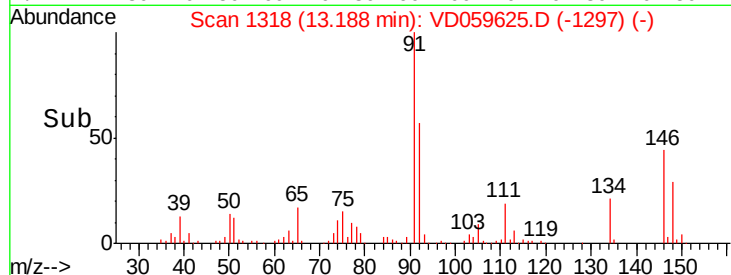
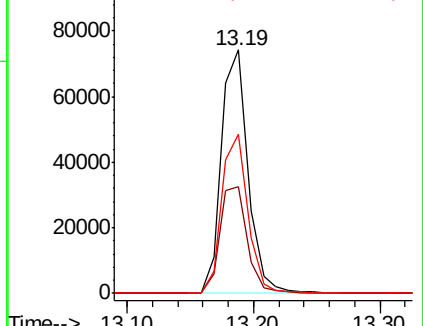
148 65.2 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.05 ug/l

RT: 13.77 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VD059625.D

Acq: 30 Jul 2018 17:45

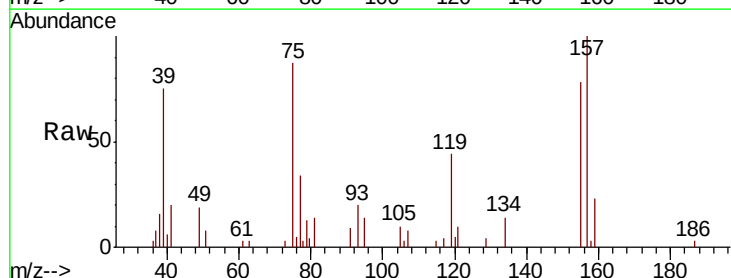
Tgt Ion: 75 Resp: 12511

Ion Ratio Lower Upper

75 100

155 90.4 42.5 127.5

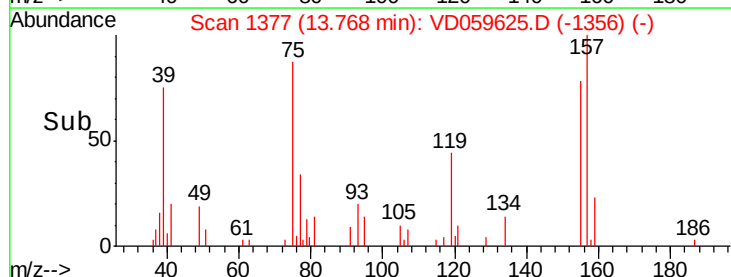
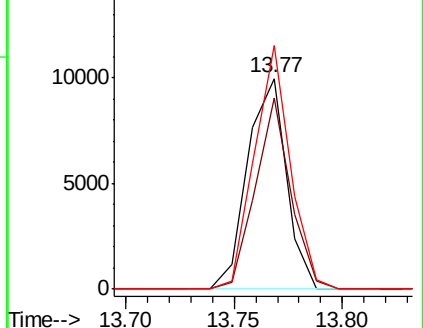
157 115.4 55.5 166.3

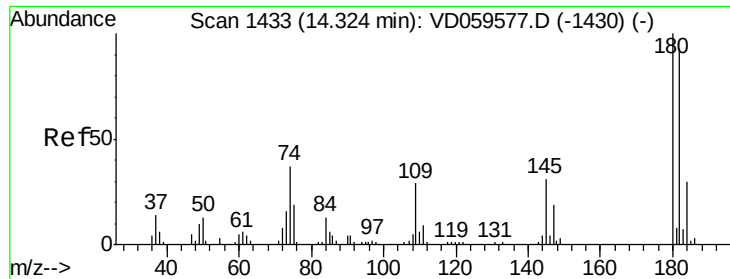


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

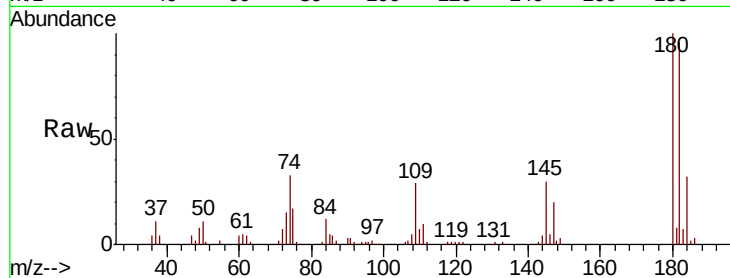




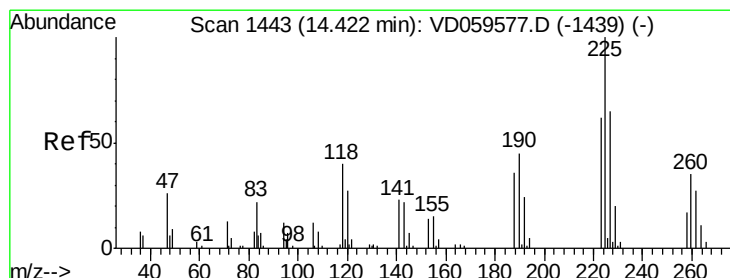
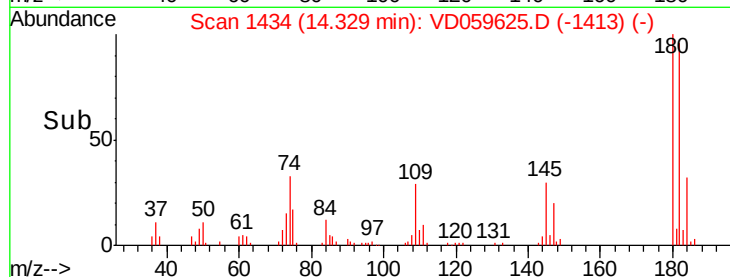
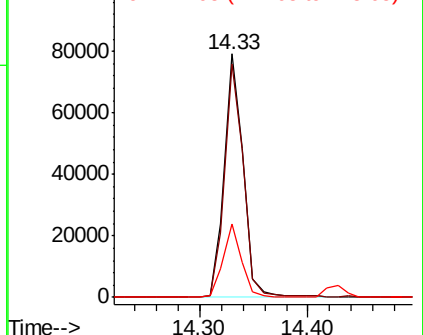
#93
 1,2,4-Trichlorobenzene
 Concen: 50.72 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 96345
 Ion Ratio Lower Upper
 180 100
 182 95.6 46.4 139.2
 145 30.2 15.7 47.0

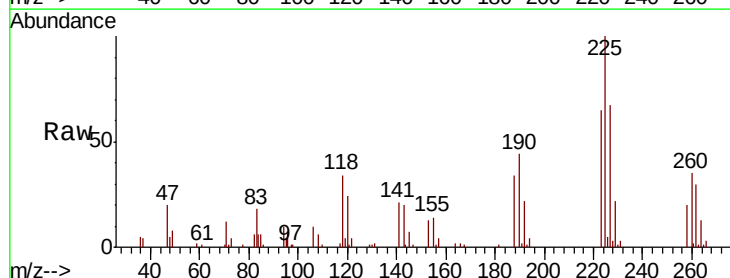


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

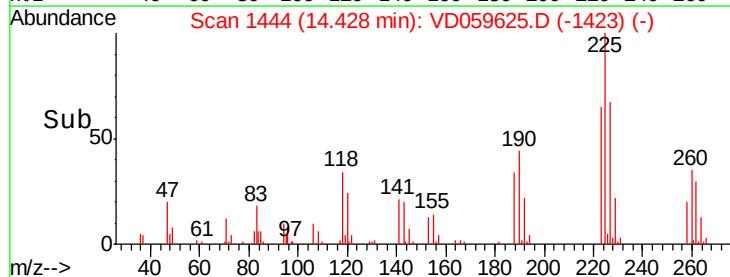
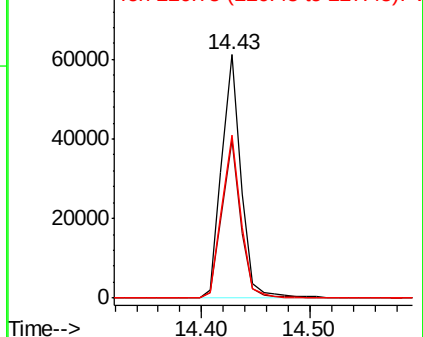


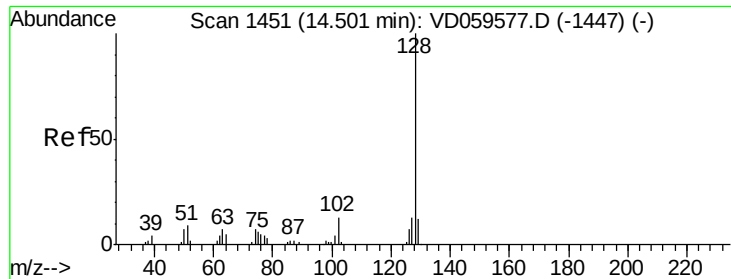
#94
 Hexachlorobutadiene
 Concen: 50.89 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059625.D
 Acq: 30 Jul 2018 17:45

Tgt Ion:225 Resp: 76247
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.1 93.5
 227 67.2 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

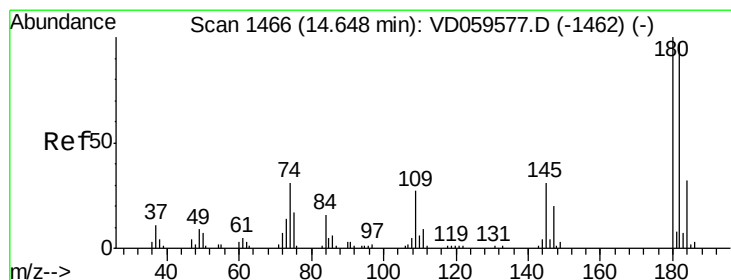
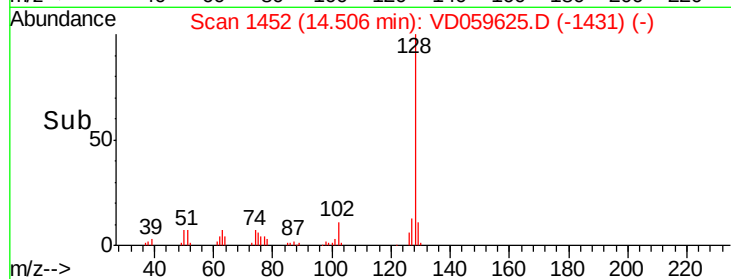
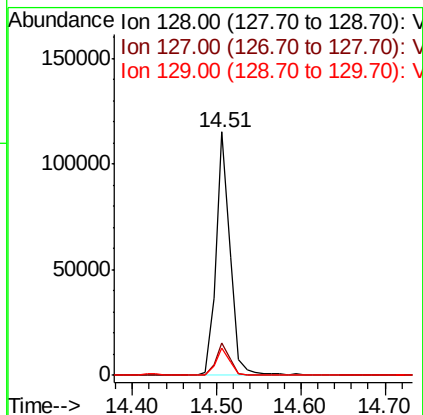
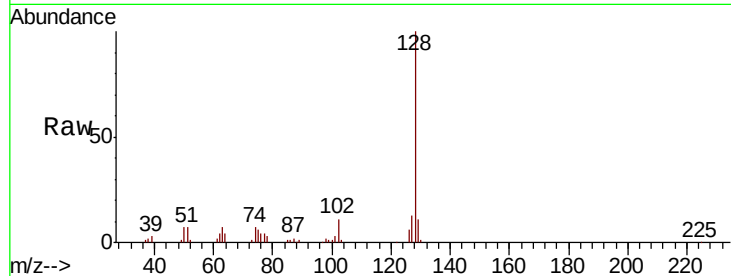




#95
Naphthalene
Concen: 49.13 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 132715
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.1 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 50.30 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD059625.D
Acq: 30 Jul 2018 17:45

Tgt Ion:180 Resp: 86446
Ion Ratio Lower Upper
180 100
182 97.6 48.6 145.9
145 30.5 15.6 46.7

