

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059509.D
 Acq On : 2 Jul 2018 18:03
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 03 00:53:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 00:52:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	585438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	865878	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	712145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	354999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.98	65	151696	23.81	ug/l	0.00
Spiked Amount			Recovery	=	47.62%	
35) Dibromofluoromethane	5.51	113	145490	20.37	ug/l	0.00
Spiked Amount			Recovery	=	40.74%	
50) Toluene-d8	8.68	98	332320	19.86	ug/l	0.00
Spiked Amount			Recovery	=	39.72%	
62) 4-Bromofluorobenzene	11.92	95	135930	19.58	ug/l	0.00
Spiked Amount			Recovery	=	39.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	136262	23.25	ug/l	95
3) Chloromethane	1.46	50	62904	21.43	ug/l	92
4) Vinyl Chloride	1.53	62	62699	20.51	ug/l	95
5) Bromomethane	1.76	94	20452	17.42	ug/l	82
6) Chloroethane	1.85	64	24180	18.74	ug/l	95
7) Trichlorofluoromethane	2.04	101	98184	21.97	ug/l	100
8) Diethyl Ether	2.31	74	21109	21.69	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.52	101	65362	23.60	ug/l	97
10) Methyl Iodide	2.65	142	60678	19.11	ug/l	97
11) Tert butyl alcohol	3.23	59	24358	114.13	ug/l	96
12) 1,1-Dichloroethene	2.51	96	45467	21.23	ug/l	89
13) Acrolein	2.44	56	22501	128.38	ug/l	95
14) Allyl chloride	2.88	41	108653	22.48	ug/l	98
15) Acrylonitrile	3.32	53	65866	100.11	ug/l	98
16) Acetone	2.59	43	98064	119.78	ug/l	99
17) Carbon Disulfide	2.71	76	132639	19.82	ug/l	100
18) Methyl Acetate	2.90	43	44449	22.47	ug/l #	84
19) Methyl tert-butyl Ether	3.37	73	132398	14.36	ug/l	93
20) Methylene Chloride	3.04	84	70722	27.14	ug/l	93
21) trans-1,2-Dichloroethene	3.34	96	54619	15.95	ug/l	84
22) Diisopropyl ether	4.03	45	427053	23.75	ug/l	99
23) Vinyl Acetate	3.97	43	1171785	122.75	ug/l	99
24) 1,1-Dichloroethane	3.93	63	245597	23.77	ug/l	97
25) 2-Butanone	4.81	43	202178	118.73	ug/l	95
26) 2,2-Dichloropropane	4.76	77	200794	24.91	ug/l	98
27) cis-1,2-Dichloroethene	4.76	96	125428	20.56	ug/l	92
28) Bromochloromethane	5.11	49	105150	25.04	ug/l	100
29) Tetrahydrofuran	5.14	42	102041	110.74	ug/l	98
30) Chloroform	5.28	83	251517	22.61	ug/l	98
31) Cyclohexane	5.55	56	176492	22.61	ug/l	96
32) 1,1,1-Trichloroethane	5.47	97	194508	21.76	ug/l	98
36) 1,1-Dichloropropene	5.71	75	175790	21.24	ug/l	97
37) Ethyl Acetate	4.89	43	96909	19.68	ug/l #	95
38) Carbon Tetrachloride	5.69	117	158339	18.61	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	152622	19.41	ug/l	97
40) Benzene	5.97	78	409178	20.63	ug/l	95
41) Methacrylonitrile	5.09	41	45756	19.10	ug/l #	91
42) 1,2-Dichloroethane	6.09	62	179148	20.58	ug/l	96
43) Isopropyl Acetate	7.59	43	125026	19.95	ug/l #	95
44) Trichloroethene	6.95	130	119382	18.56	ug/l	81
45) 1,2-Dichloropropane	7.32	63	111984	20.49	ug/l	98
46) Dibromomethane	7.43	93	77340	19.98	ug/l	94
47) Bromodichloromethane	7.71	83	178985	20.55	ug/l	97
48) Methyl methacrylate	7.48	41	77657	20.16	ug/l	91
49) 1,4-Dioxane	7.47	88	16257	424.33	ug/l	93
51) 4-Methyl-2-Pentanone	8.57	43	424717	102.19	ug/l	98
52) Toluene	8.78	92	226299	19.35	ug/l	96
53) t-1,3-Dichloropropene	9.16	75	150458	20.27	ug/l	99
54) cis-1,3-Dichloropropene	8.33	75	176880	20.56	ug/l	98
55) 1,1,2-Trichloroethane	9.43	97	80954	19.31	ug/l	95
56) Ethyl methacrylate	9.29	69	104182	21.38	ug/l	98
57) 1,3-Dichloropropane	9.64	76	149267	21.38	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.16	63	267800	106.91	ug/l	99
59) 2-Hexanone	9.76	43	322918	109.76	ug/l	99
60) Dibromochloromethane	9.94	129	117540	19.86	ug/l	98
61) 1,2-Dibromoethane	10.08	107	90021	19.11	ug/l	90
64) Tetrachloroethene	9.49	164	106524	16.73	ug/l	96
65) Chlorobenzene	10.71	112	271234	20.26	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.83	131	112051	22.14	ug/l	94
67) Ethyl Benzene	10.83	91	485378	21.61	ug/l	99
68) m/p-Xylenes	10.99	106	320825	42.78	ug/l	91
69) o-Xylene	11.39	106	148594	20.14	ug/l	98
70) Styrene	11.42	104	248735	19.83	ug/l	93
71) Bromoform	11.58	173	73328	17.42	ug/l	92
73) Isopropylbenzene	11.76	105	408445	19.72	ug/l	99
74) N-amyl acetate	11.63	43	172468	21.42	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	102176	20.62	ug/l	94
76) 1,2,3-Trichloropropane	12.09	75	104469	20.35	ug/l	99
77) Bromobenzene	12.03	156	130260	20.07	ug/l	98
78) n-propylbenzene	12.14	91	557461	20.98	ug/l	100
79) 2-Chlorotoluene	12.20	91	305905	19.73	ug/l	96
80) 1,3,5-Trimethylbenzene	12.30	105	335621	20.20	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.83	75	24676	20.65	ug/l	85
82) 4-Chlorotoluene	12.31	91	370094	20.86	ug/l	96
83) tert-Butylbenzene	12.57	119	383342	21.45	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	362252	20.68	ug/l	92
85) sec-Butylbenzene	12.74	105	454198	21.35	ug/l	99
86) p-Isopropyltoluene	12.87	119	382608	21.84	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	222613	20.59	ug/l	98
88) 1,4-Dichlorobenzene	12.91	146	216572	20.35	ug/l	98
89) n-Butylbenzene	13.19	91	382545	21.90	ug/l	99
90) Hexachloroethane	13.38	117	93003	21.15	ug/l	93
91) 1,2-Dichlorobenzene	13.18	146	198366	21.64	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	15902	19.54	ug/l	96

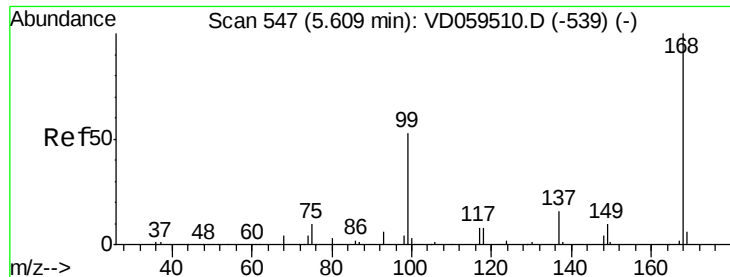
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	164322	19.73	ug/l	97
94) Hexachlorobutadiene	14.43	225	128151	20.43	ug/l	97
95) Naphthalene	14.51	128	248743	20.94	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	141970	18.92	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

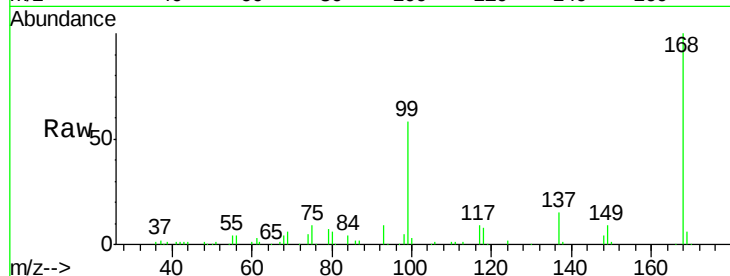
VSTDIC020

Tot Ion:168 Resp: 585438

Ion Ratio Lower Upper

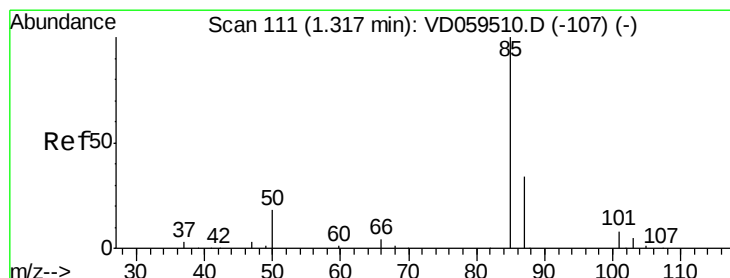
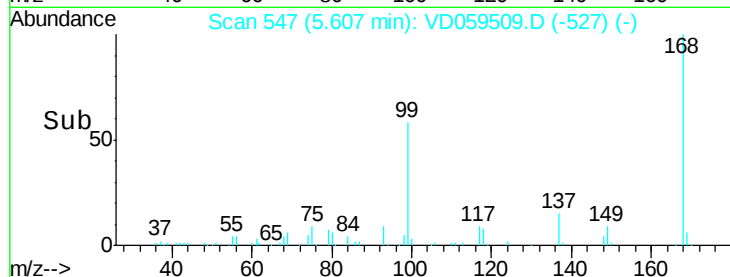
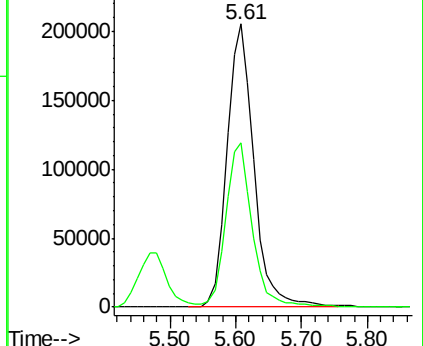
168 100

99 57.8 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 23.25 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059509.D

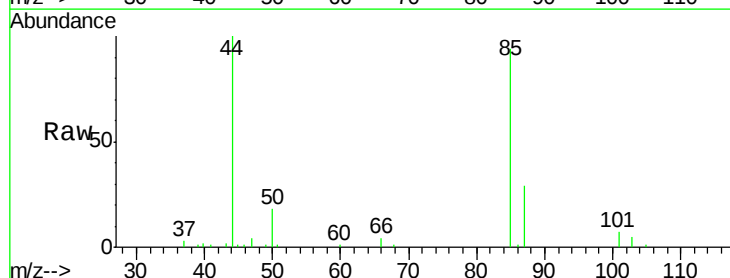
Acq: 2 Jul 2018 18:03

Tgt Ion: 85 Resp: 136262

Ion Ratio Lower Upper

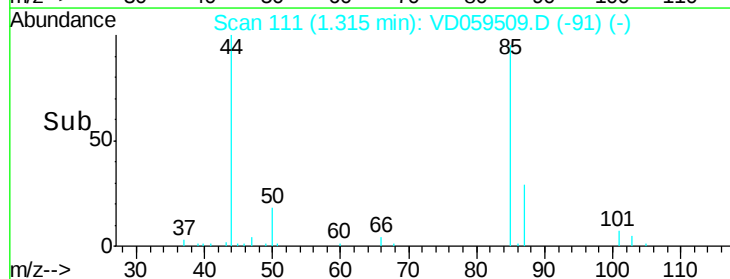
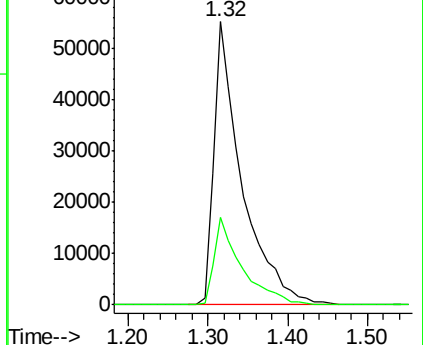
85 100

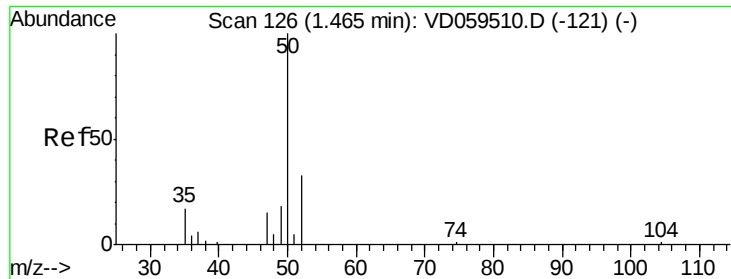
87 30.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.43 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

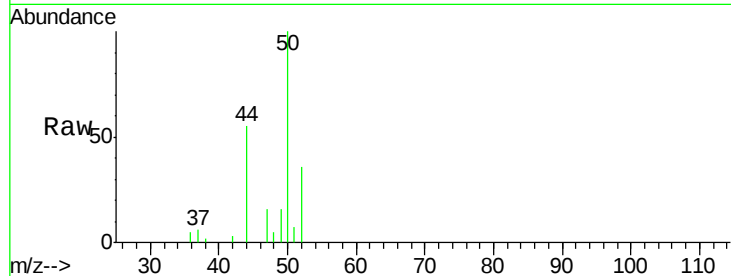
VSTDIC020

Tot Ion: 50 Resp: 62904

Ion Ratio Lower Upper

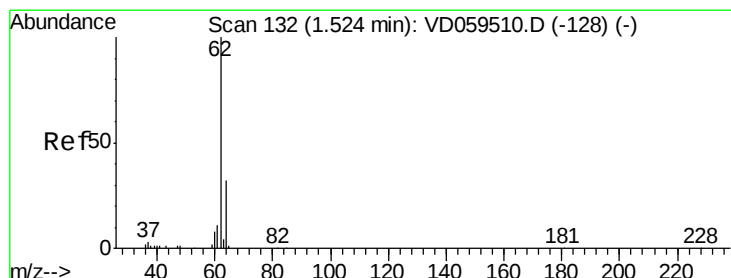
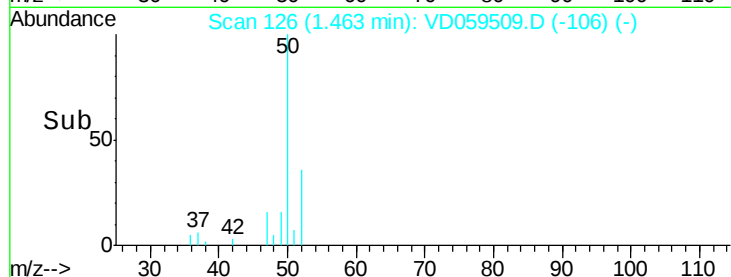
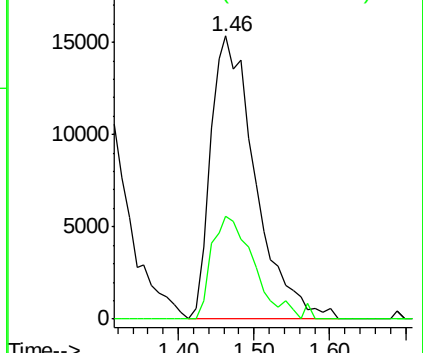
50 100

52 36.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.51 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059509.D

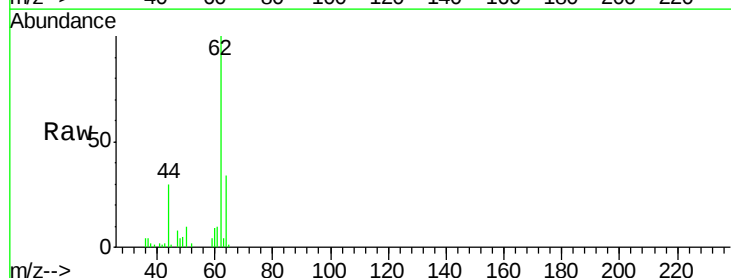
Acq: 2 Jul 2018 18:03

Tgt Ion: 62 Resp: 62699

Ion Ratio Lower Upper

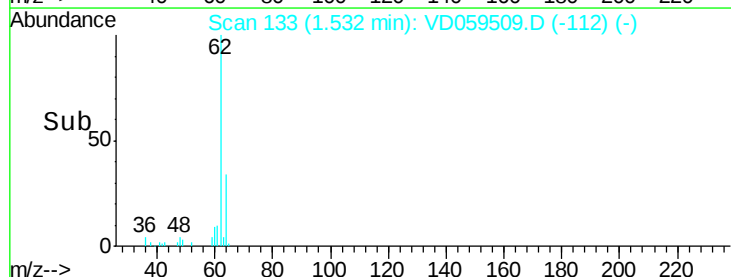
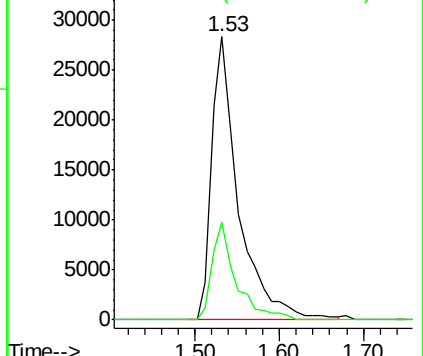
62 100

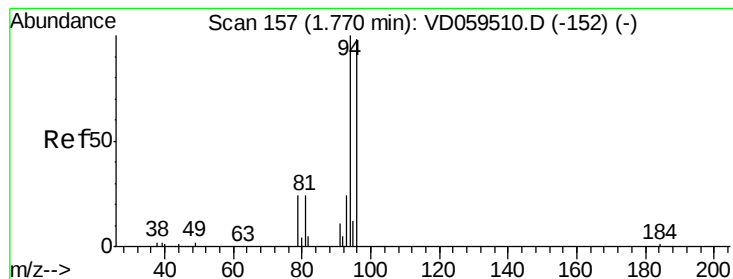
64 34.5 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.42 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

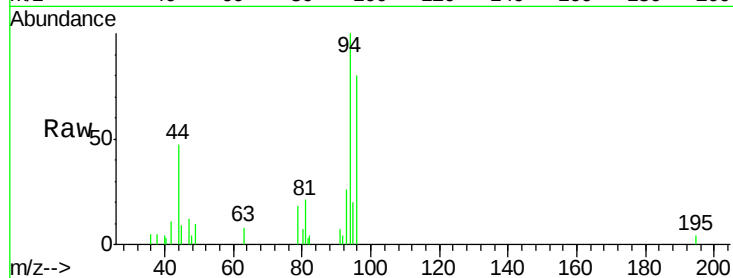
VSTDIC020

Tot Ion: 94 Resp: 20452

Ion Ratio Lower Upper

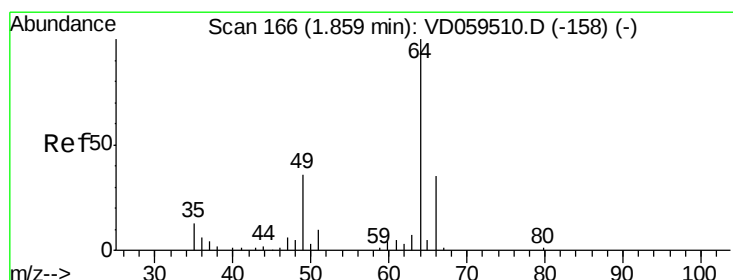
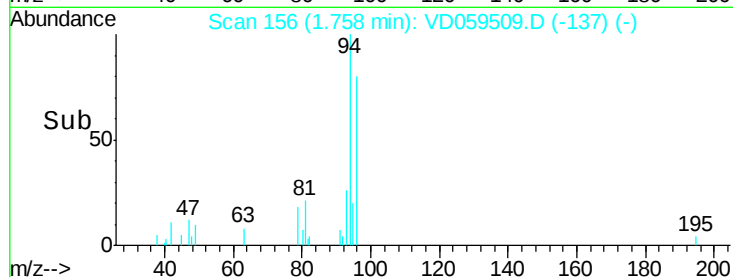
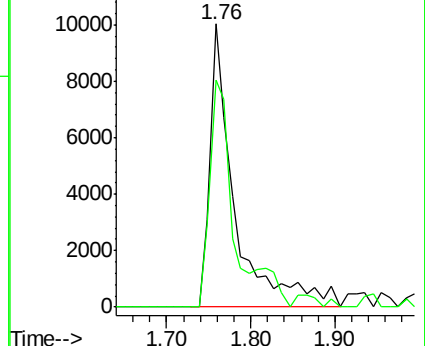
94 100

96 80.4 78.2 117.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.74 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD059509.D

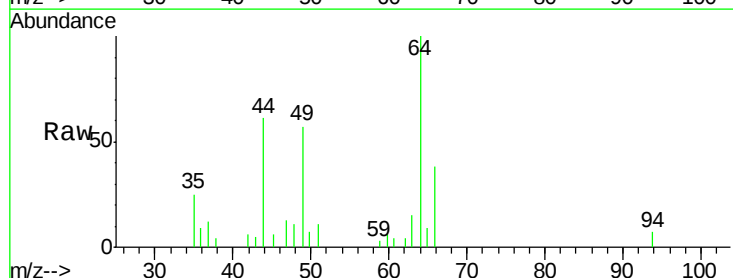
Acq: 2 Jul 2018 18:03

Tgt Ion: 64 Resp: 24180

Ion Ratio Lower Upper

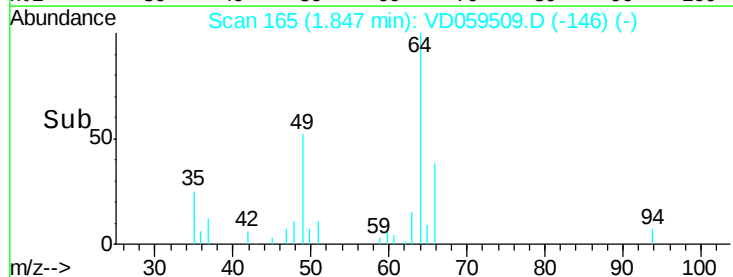
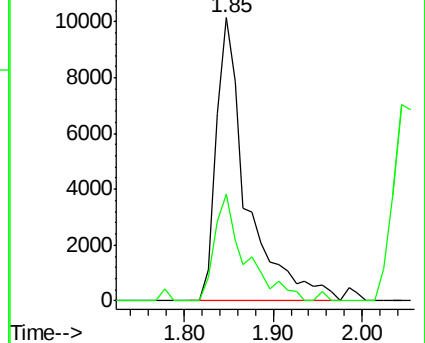
64 100

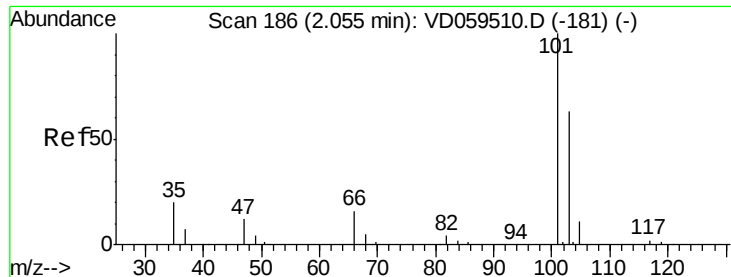
66 37.6 27.6 41.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.97 ug/l

RT: 2.04 min Scan# 185

Delta R.T. -0.01 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

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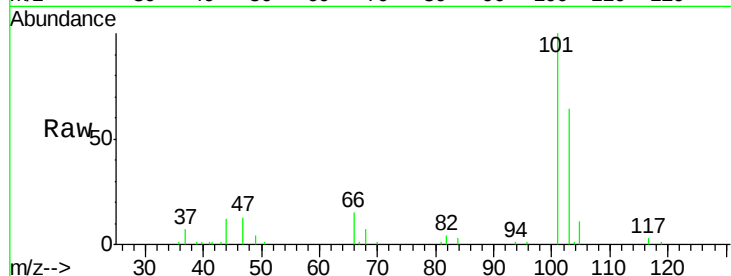
VSTDIC020

Tot Ion:101 Resp: 98184

Ion Ratio Lower Upper

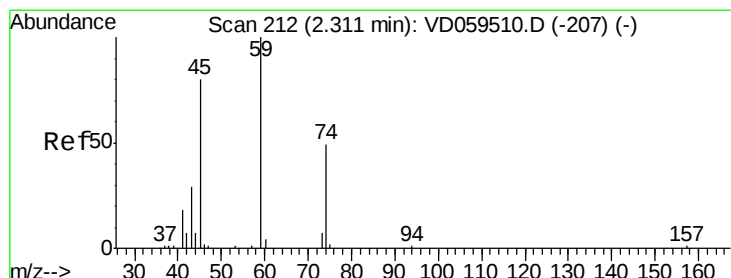
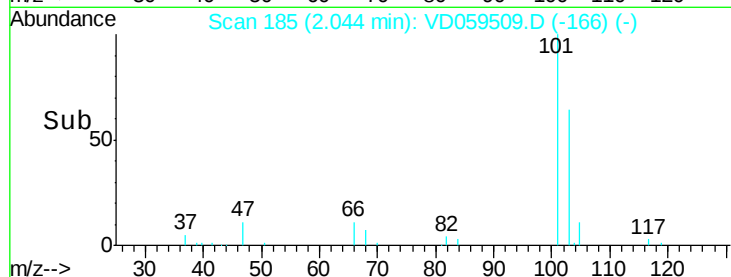
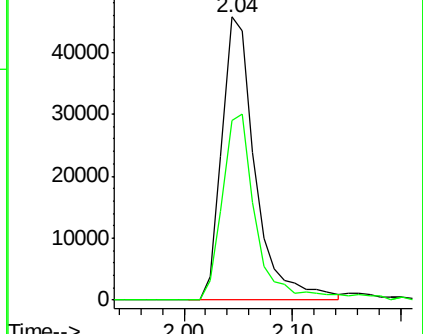
101 100

103 63.5 50.6 76.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 21.69 ug/l

RT: 2.31 min Scan# 212

Delta R.T. -0.00 min

Lab File: VD059509.D

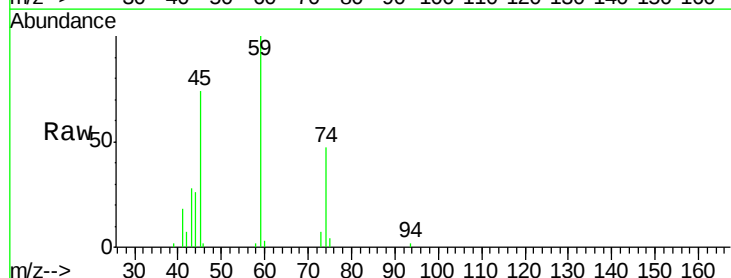
Acq: 2 Jul 2018 18:03

Tgt Ion: 74 Resp: 21109

Ion Ratio Lower Upper

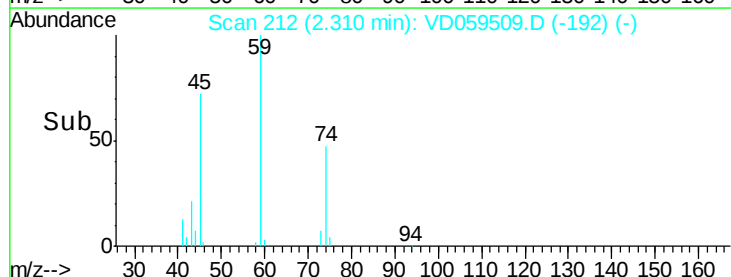
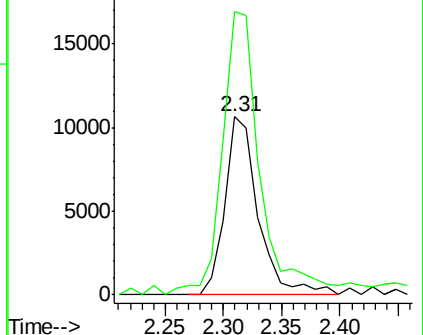
74 100

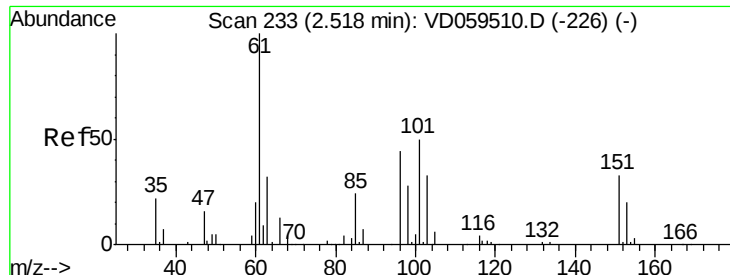
45 159.0 83.5 250.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.60 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

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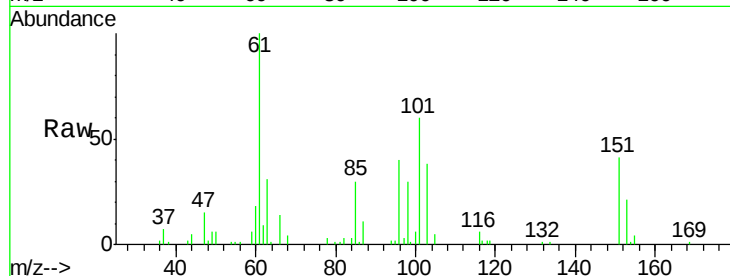
Tot Ion:101 Resp: 65362

Ion Ratio Lower Upper

101 100

85 50.1 38.8 58.2

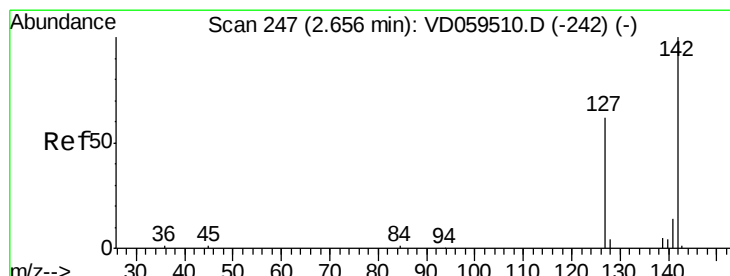
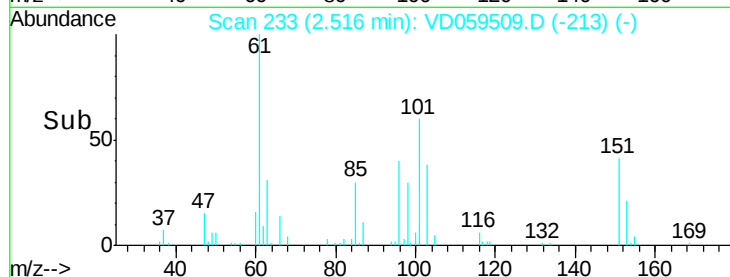
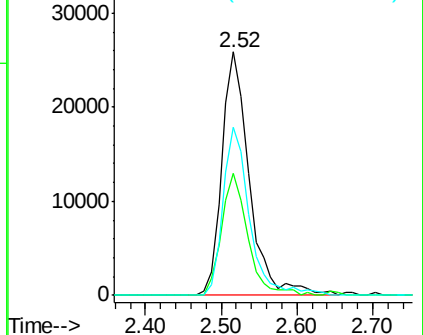
151 68.9 52.6 79.0



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: 19.11 ug/l

RT: 2.65 min Scan# 247

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

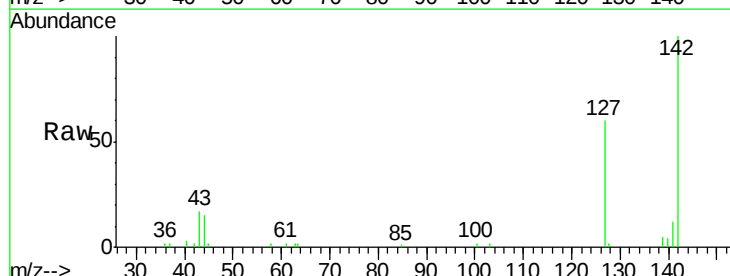
Tgt Ion:142 Resp: 60678

Ion Ratio Lower Upper

142 100

127 59.7 49.8 74.8

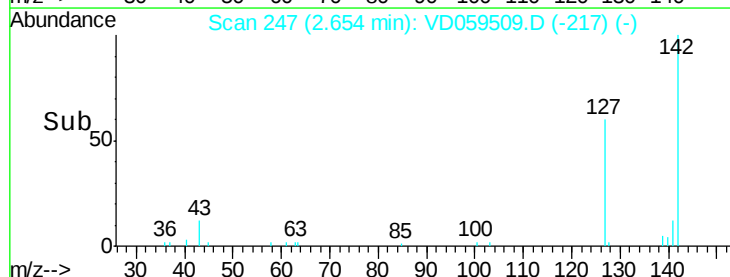
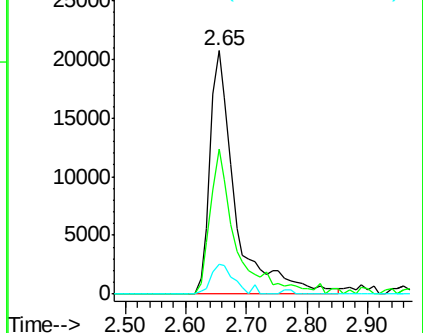
141 12.4 11.1 16.7

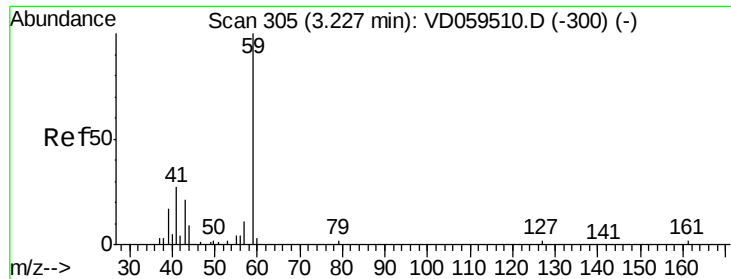


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



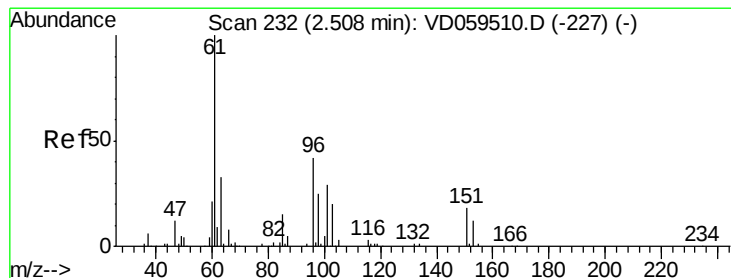
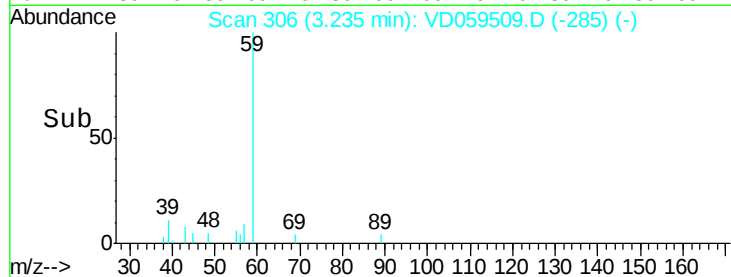
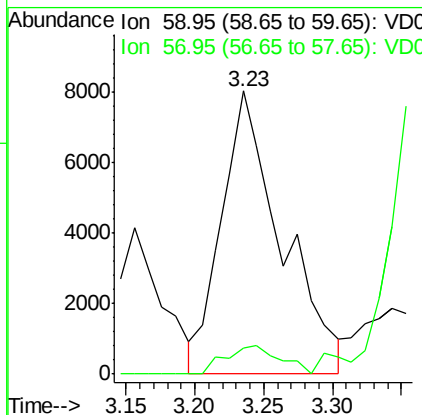
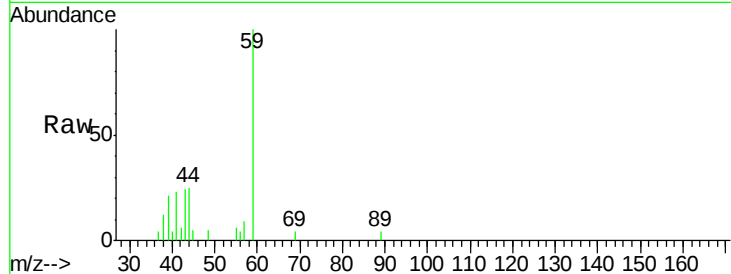


#11

Tert butyl alcohol
 Concen: 114.13 ug/l
 RT: 3.23 min Scan# 306
 Delta R.T. 0.01 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

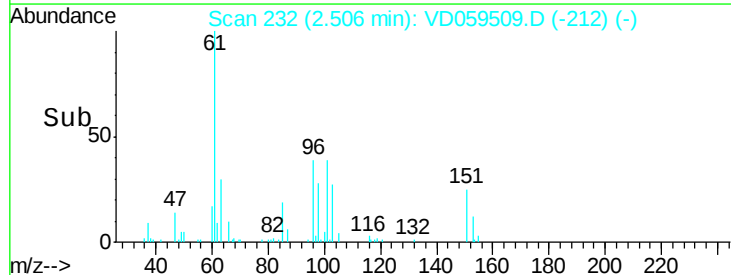
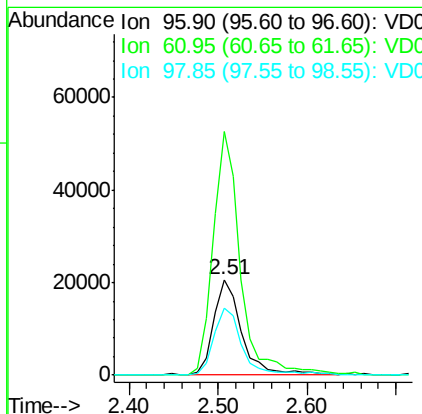
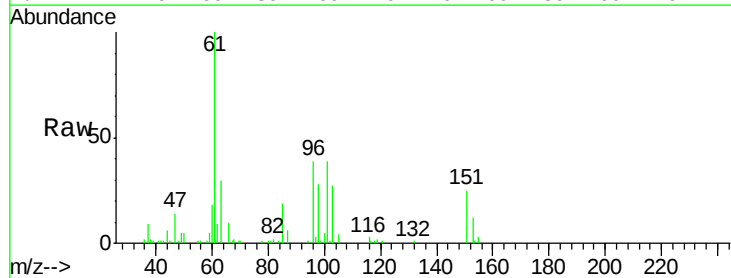
Tot Ion: 59 Resp: 24358
 Ion Ratio Lower Upper
 59 100
 57 9.1 8.6 12.8

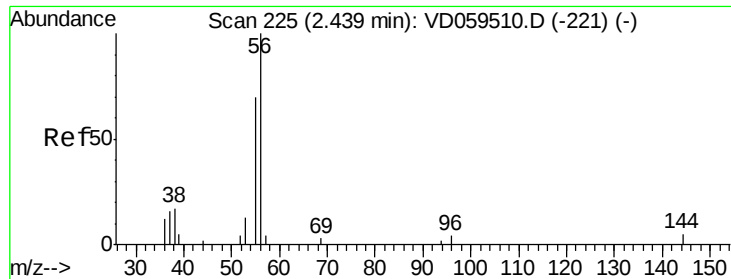


#12

1,1-Dichloroethene
 Concen: 21.23 ug/l
 RT: 2.51 min Scan# 232
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Tgt Ion: 96 Resp: 45467
 Ion Ratio Lower Upper
 96 100
 61 254.6 189.4 284.0
 98 70.6 47.9 71.9





#13

Acrolein

Concen: 128.38 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

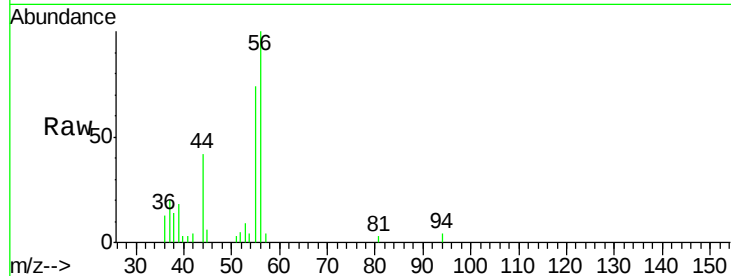
VSTDIC020

Tot Ion: 56 Resp: 22501

Ion Ratio Lower Upper

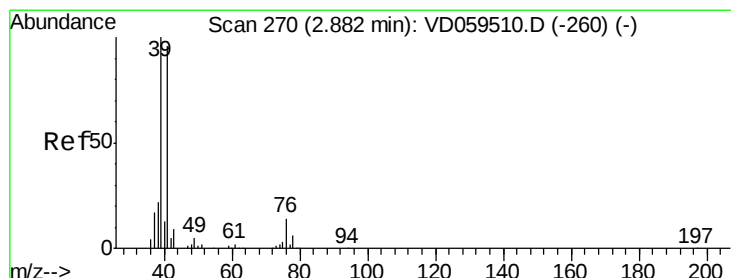
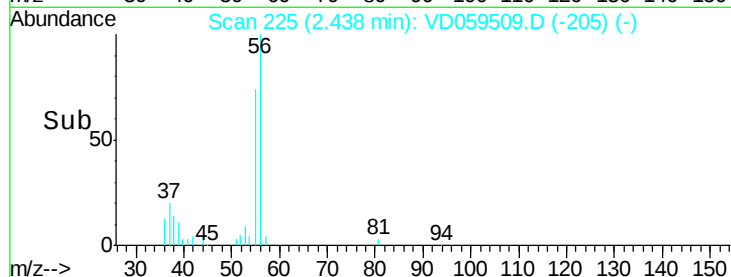
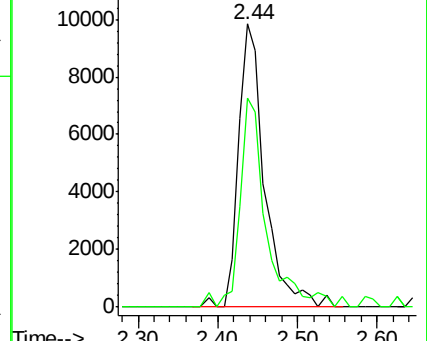
56 100

55 73.7 56.0 84.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.48 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

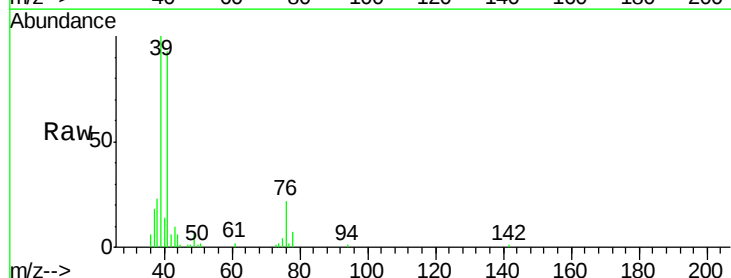
Tgt Ion: 41 Resp: 108653

Ion Ratio Lower Upper

41 100

39 107.5 83.8 125.8

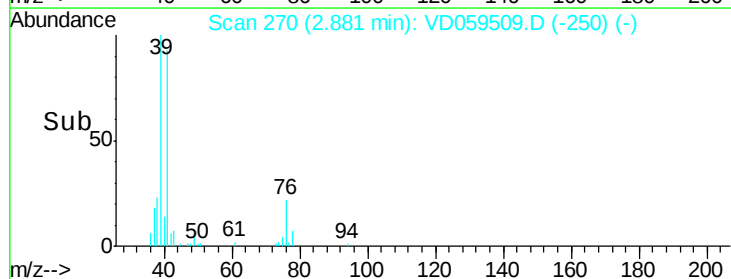
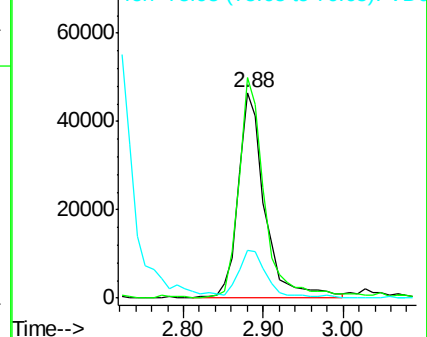
76 23.2 18.4 27.6

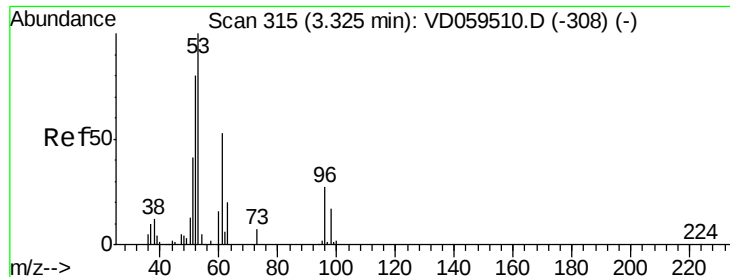


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 100.11 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

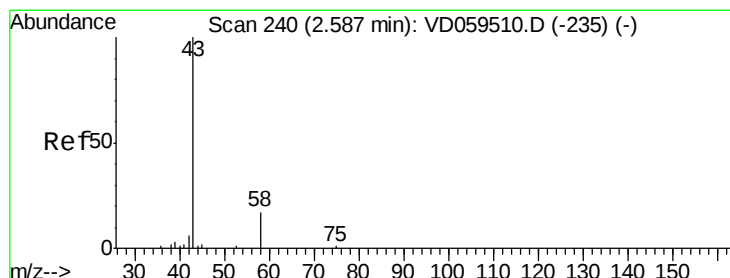
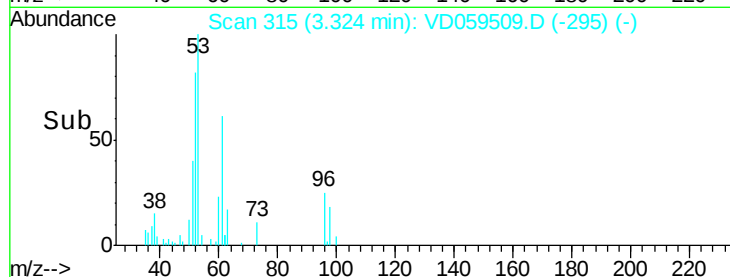
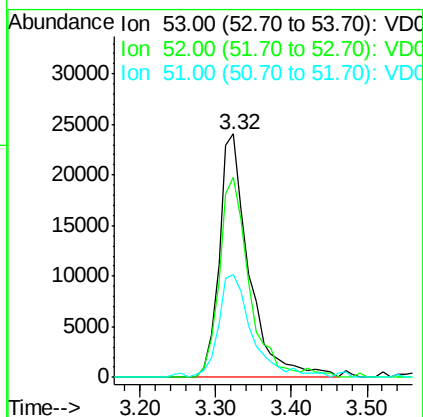
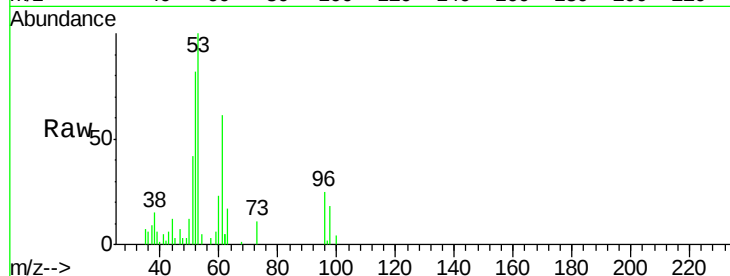
Tot Ion: 53 Resp: 65866

Ion Ratio Lower Upper

53 100

52 82.2 64.3 96.5

51 42.5 33.0 49.4



#16

Acetone

Concen: 119.78 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD059509.D

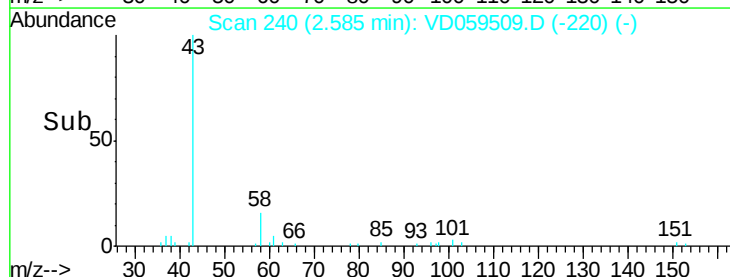
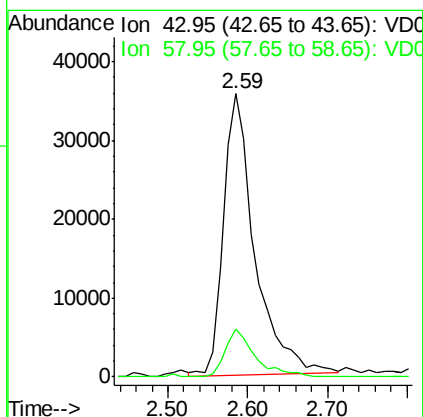
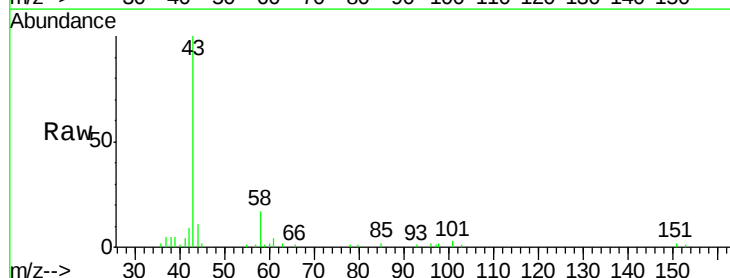
Acq: 2 Jul 2018 18:03

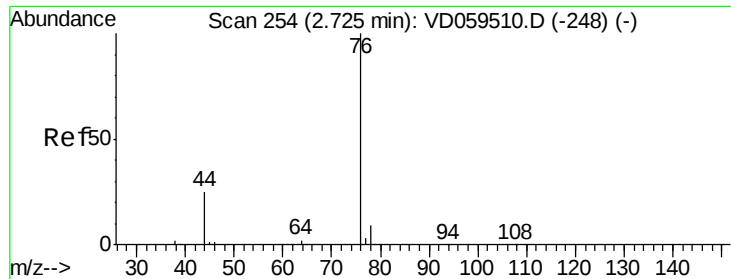
Tgt Ion: 43 Resp: 98064

Ion Ratio Lower Upper

43 100

58 16.9 13.8 20.8

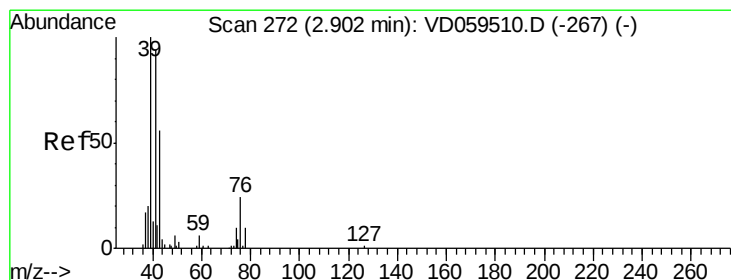
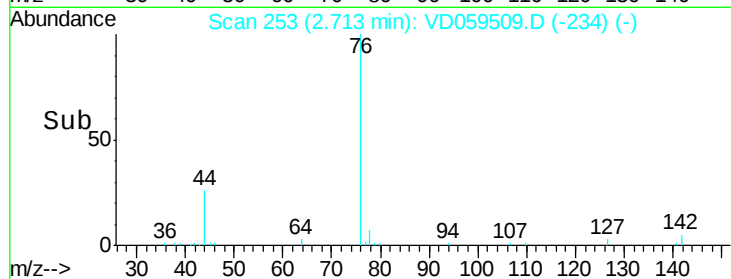
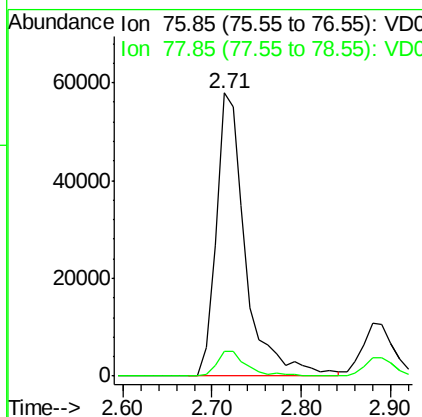
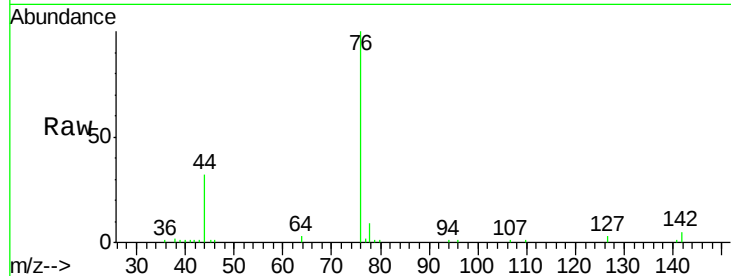




#17
Carbon Disulfide
Concen: 19.82 ug/l
RT: 2.71 min Scan# 253
Delta R.T. -0.01 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

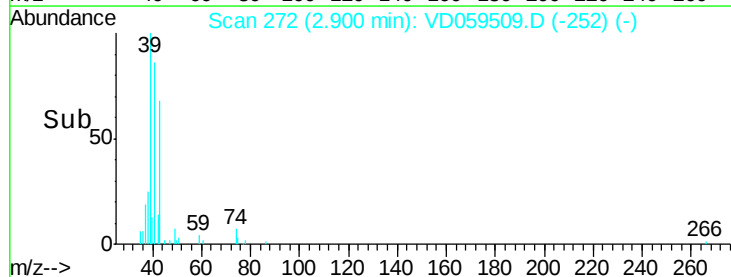
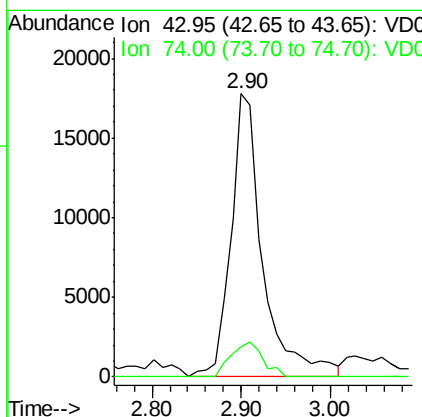
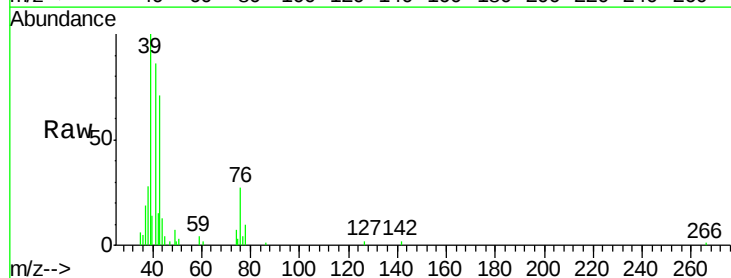
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

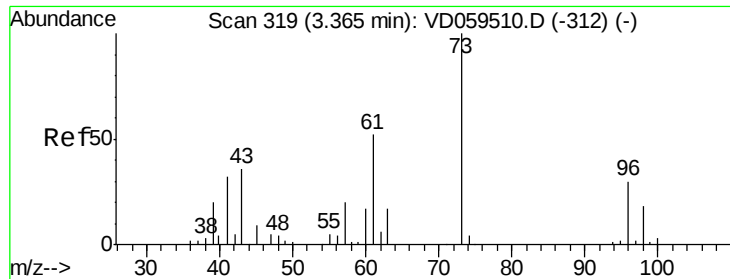
Tot Ion: 76 Resp: 132639
Ion Ratio Lower Upper
76 100
78 8.7 6.9 10.3



#18
Methyl Acetate
Concen: 22.47 ug/l
RT: 2.90 min Scan# 272
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion: 43 Resp: 44449
Ion Ratio Lower Upper
43 100
74 10.4 13.8 20.8#

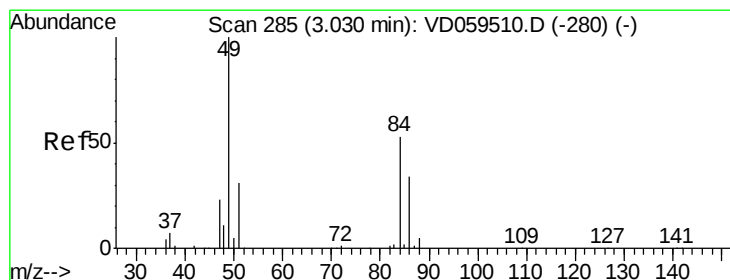
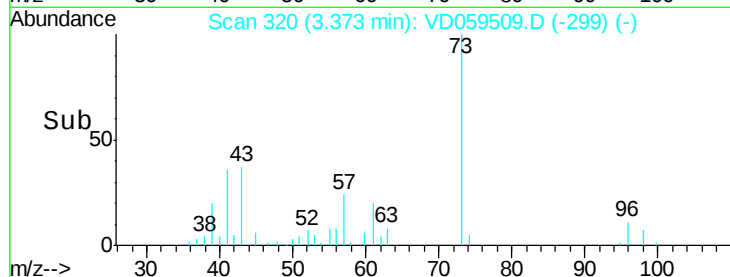
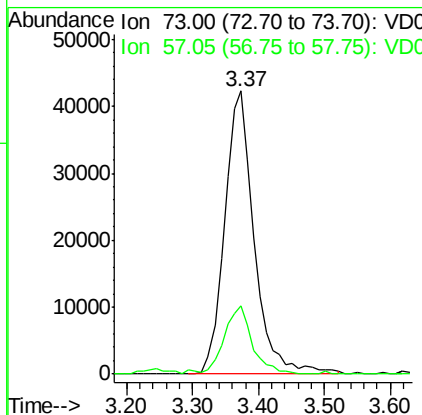
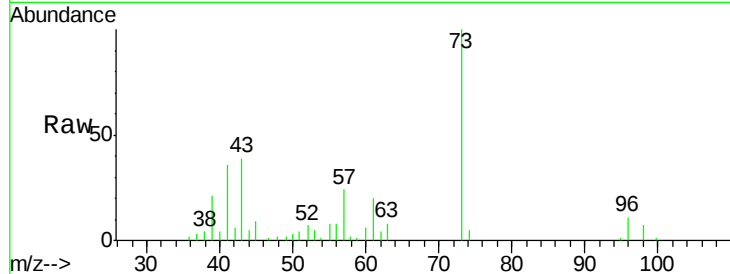




#19
Methvl tert-butvl Ether
Concen: 14.36 ug/l
RT: 3.37 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

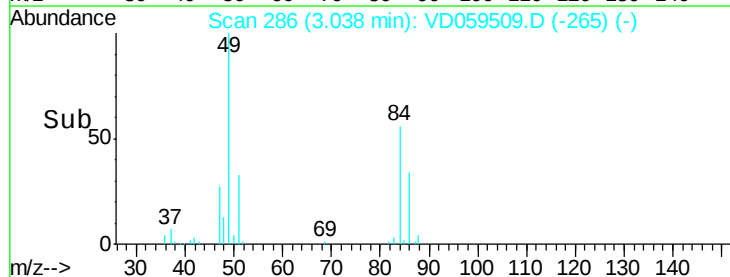
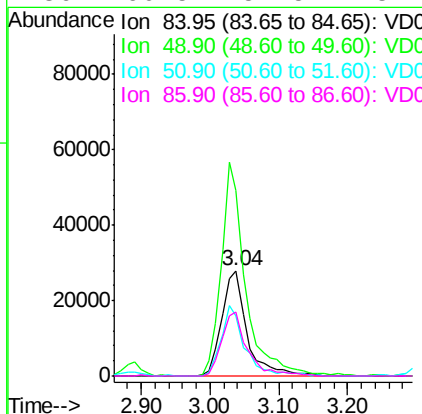
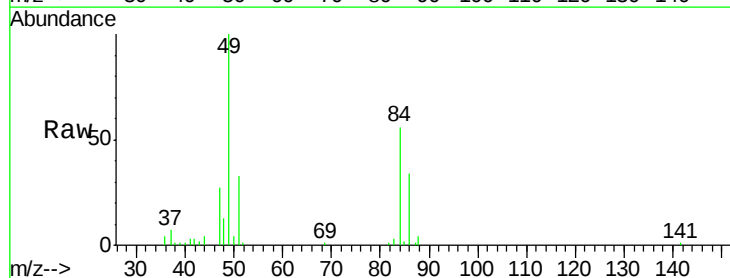
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

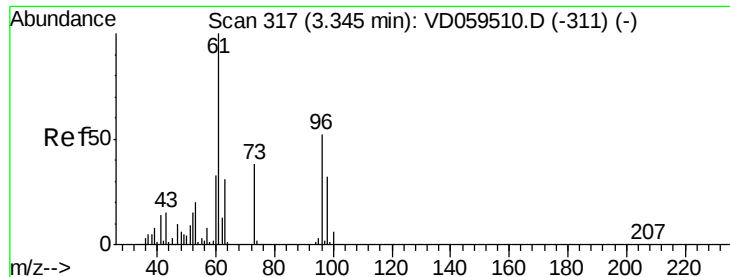
Tot Ion: 73 Resp: 132398
Ion Ratio Lower Upper
73 100
57 24.0 16.5 24.7



#20
Methylene Chloride
Concen: 27.14 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion: 84 Resp: 70722
Ion Ratio Lower Upper
84 100
49 177.4 152.2 228.2
51 57.8 46.5 69.7
86 60.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 15.95 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

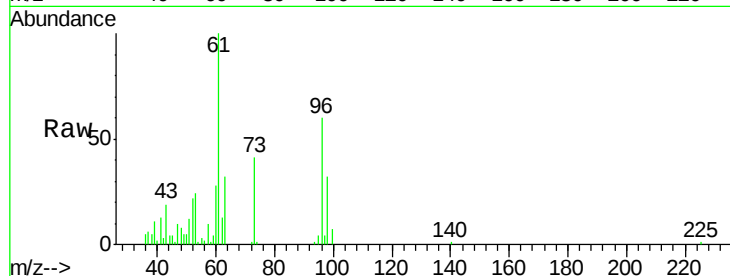
Tot Ion: 96 Resp: 54619

Ion Ratio Lower Upper

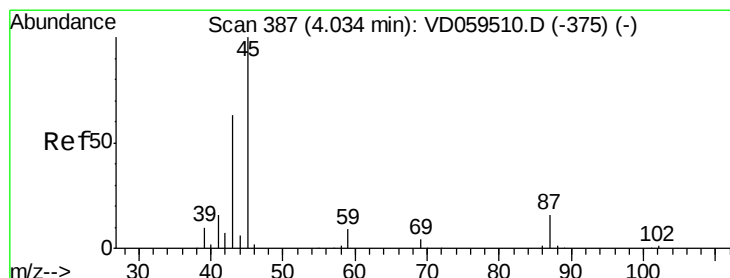
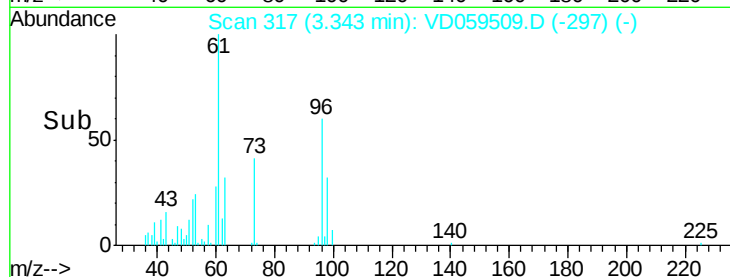
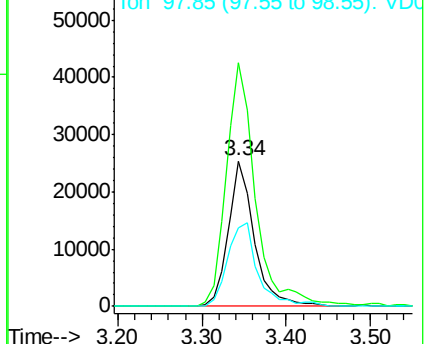
96 100

61 167.7 154.7 232.1

98 53.8 49.9 74.9



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: 23.75 ug/l

RT: 4.03 min Scan# 387

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Tgt Ion: 45 Resp: 427053

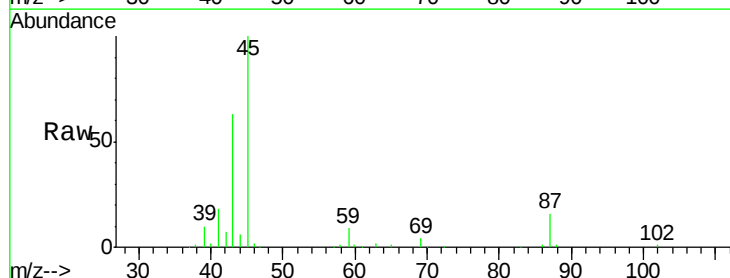
Ion Ratio Lower Upper

45 100

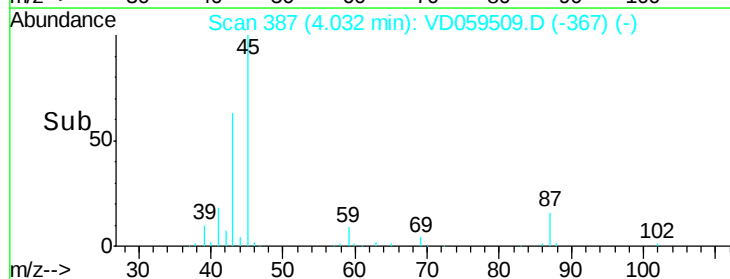
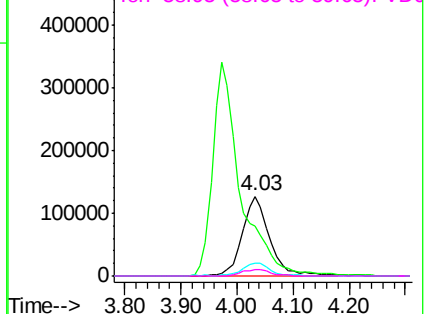
43 62.5 50.7 76.1

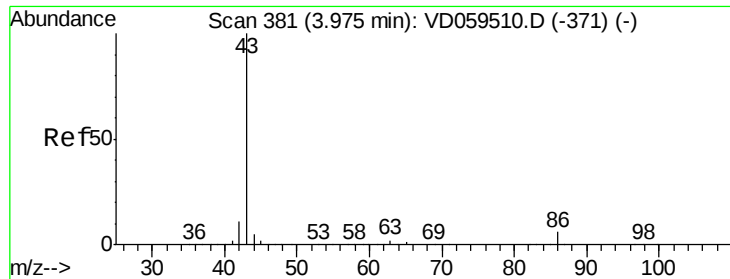
87 15.8 13.4 20.0

59 8.6 7.4 11.0



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

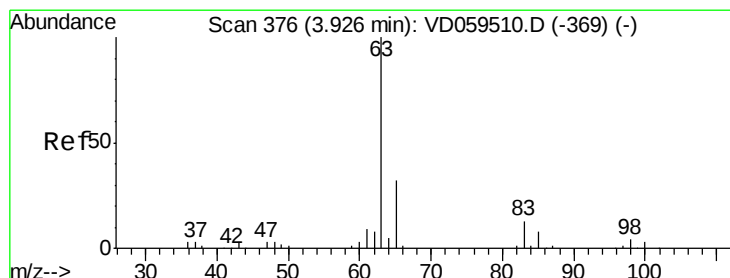
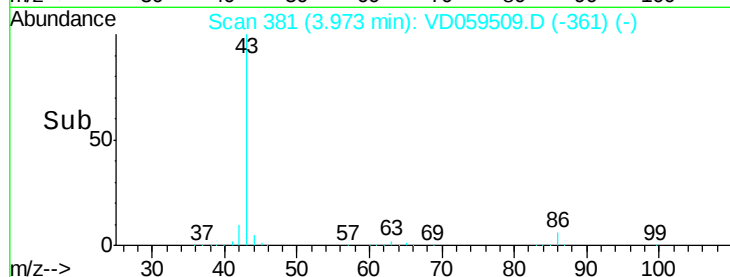
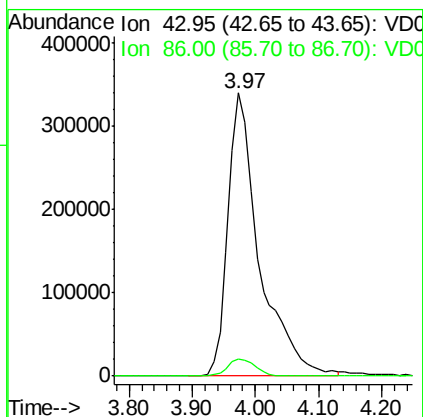
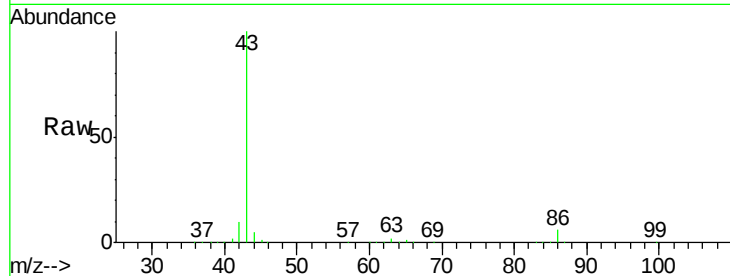




#23
 Vinyl Acetate
 Concen: 122.75 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

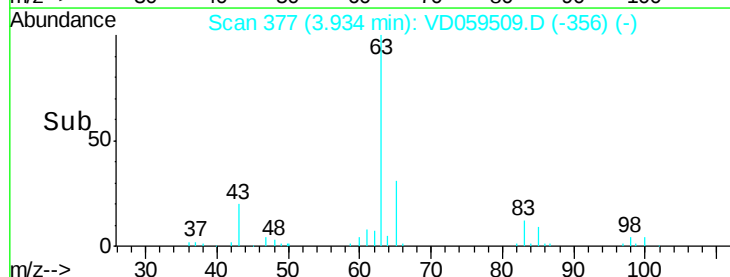
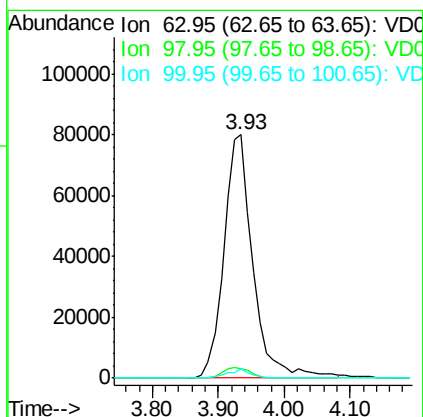
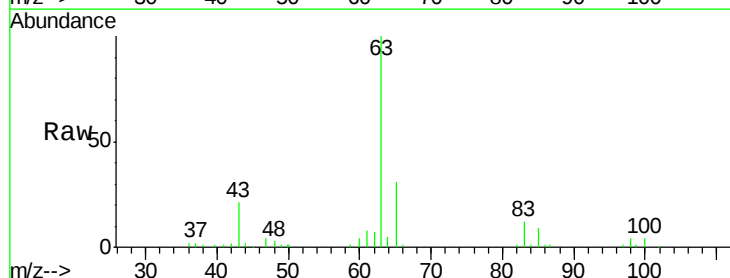
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

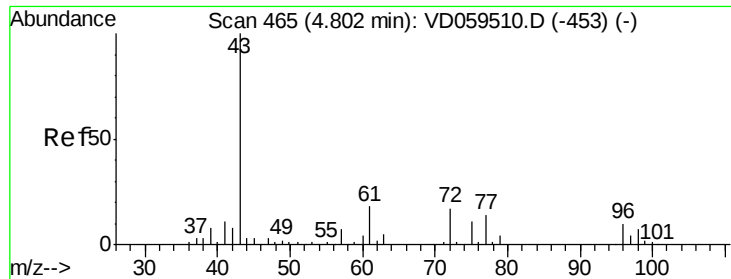
Tot Ion: 43 Resp: 1171785
 Ion Ratio Lower Upper
 43 100
 86 6.0 5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 23.77 ug/l
 RT: 3.93 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Tgt Ion: 63 Resp: 245597
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.0 5.8
 100 3.8 1.5 4.4





#25

2-Butanone

Concen: 118.73 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

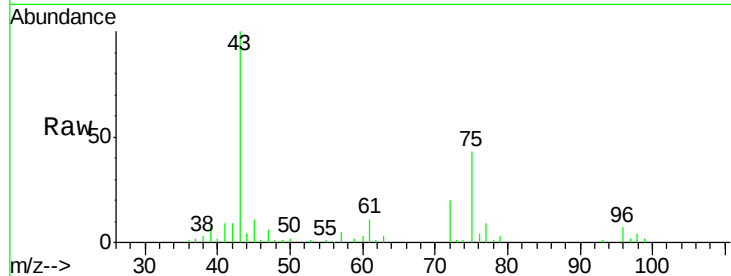
VSTDIC020

Tot Ion: 43 Resp: 202178

Ion Ratio Lower Upper

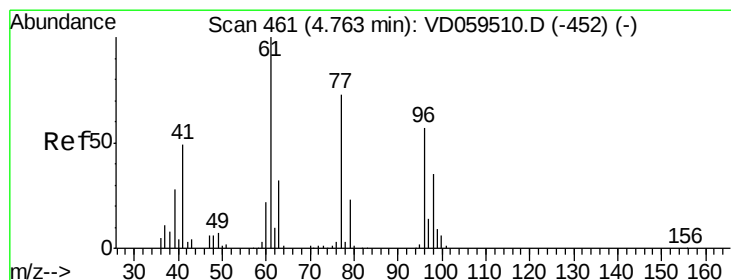
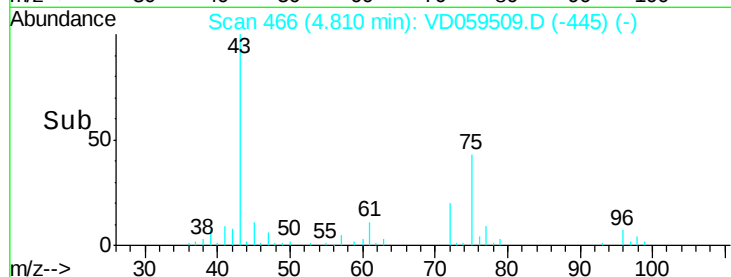
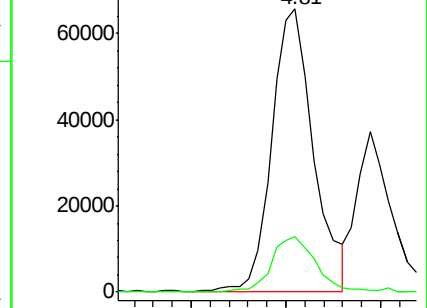
43 100

72 19.5 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 24.91 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059509.D

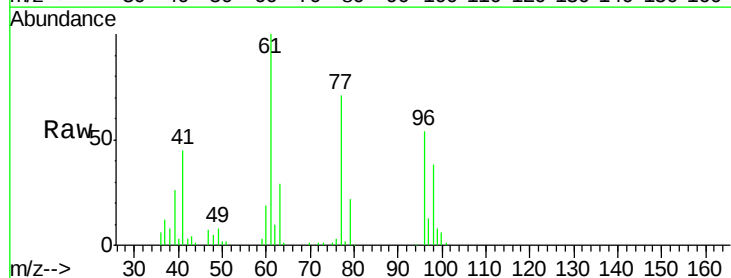
Acq: 2 Jul 2018 18:03

Tgt Ion: 77 Resp: 200794

Ion Ratio Lower Upper

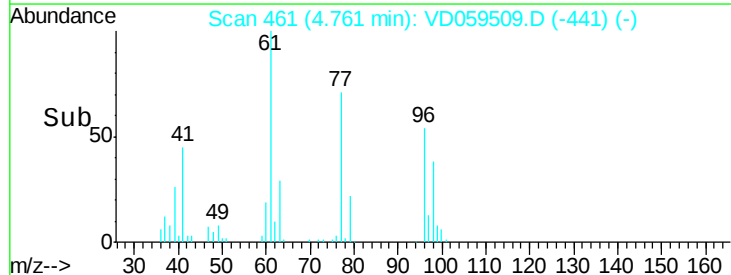
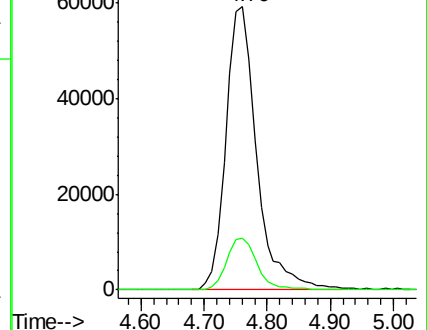
77 100

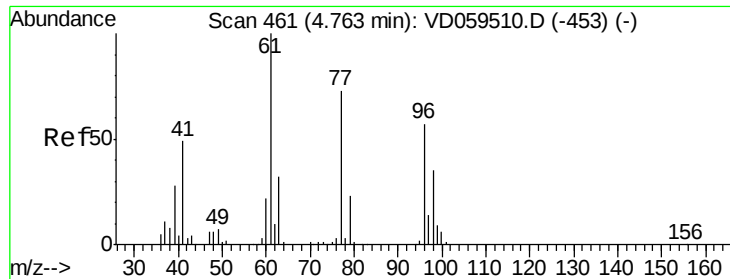
97 18.1 9.5 28.5



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: 20.56 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

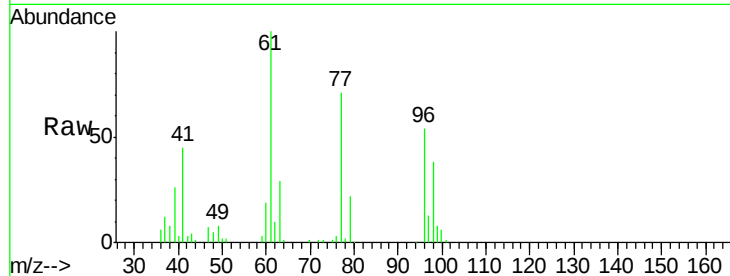
Tot Ion: 96 Resp: 125428

Ion Ratio Lower Upper

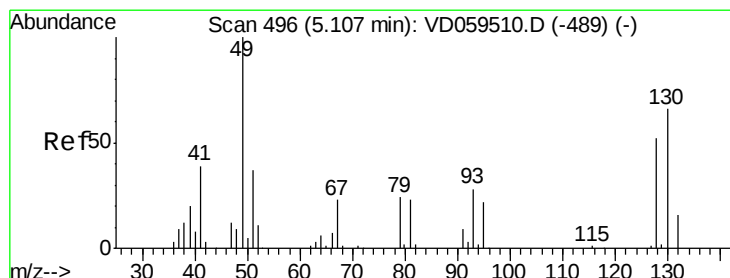
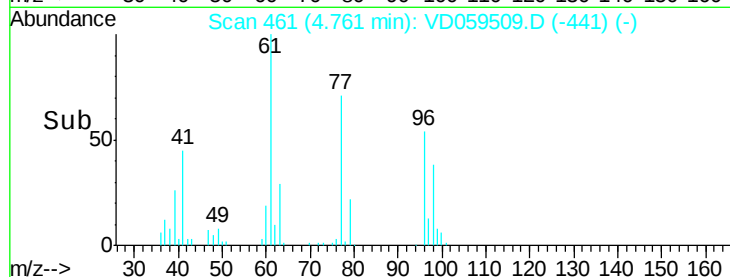
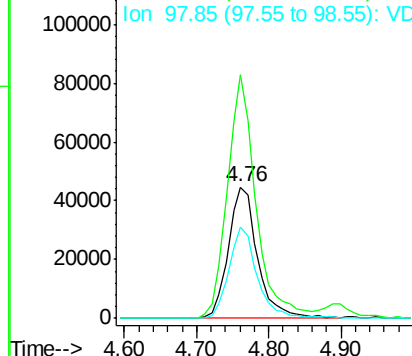
96 100

61 185.8 0.0 350.8

98 69.9 0.0 123.4



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: 25.04 ug/l

RT: 5.11 min Scan# 496

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

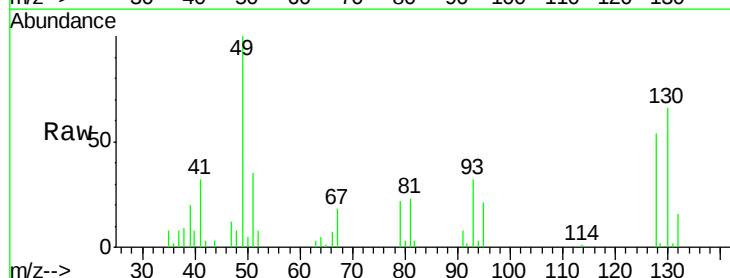
Tgt Ion: 49 Resp: 105150

Ion Ratio Lower Upper

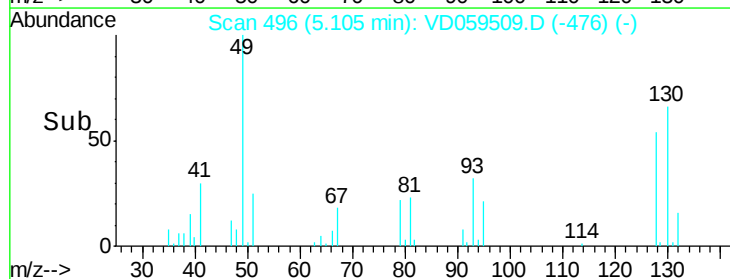
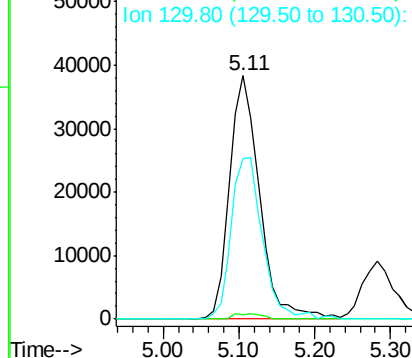
49 100

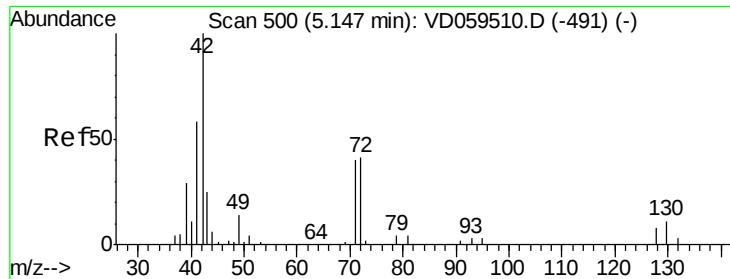
129 1.7 0.0 4.4

130 66.0 52.6 78.8



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

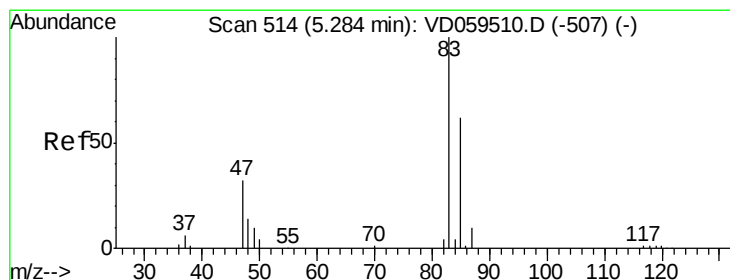
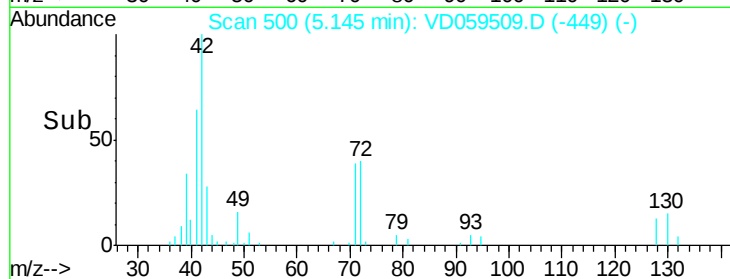
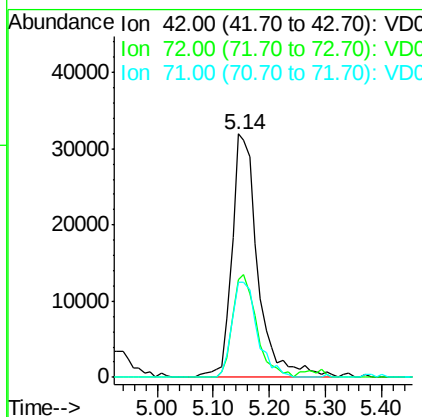
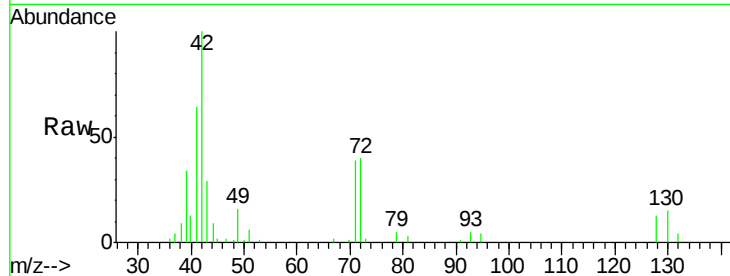




#29
Tetrahydrofuran
Concen: 110.74 ug/l
RT: 5.14 min Scan# 500
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

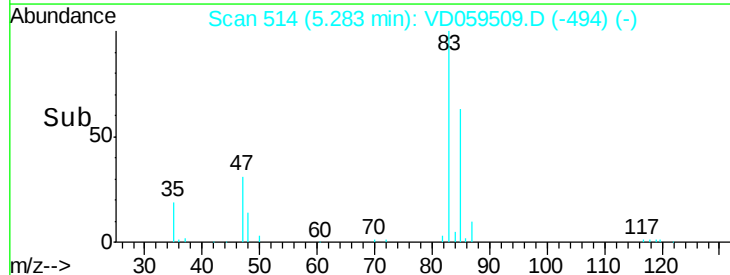
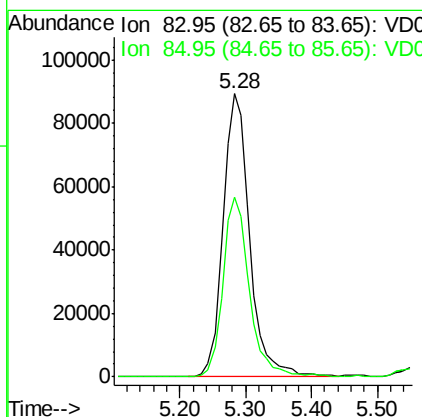
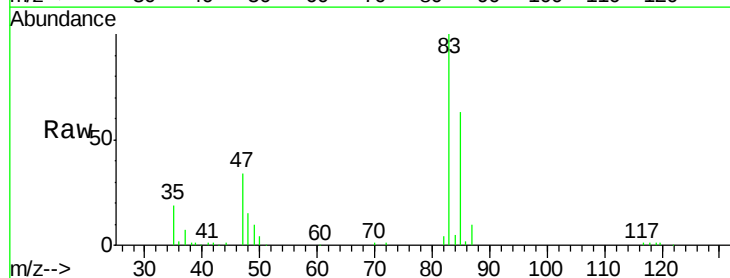
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

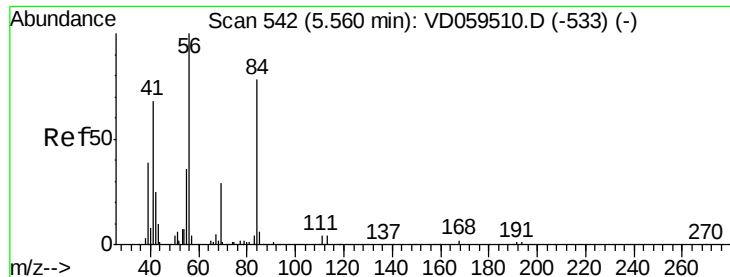
Tot Ion: 42 Resp: 102041
Ion Ratio Lower Upper
42 100
72 39.1 32.9 49.3
71 38.5 31.6 47.4



#30
Chloroform
Concen: 22.61 ug/l
RT: 5.28 min Scan# 514
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion: 83 Resp: 251517
Ion Ratio Lower Upper
83 100
85 63.4 49.8 74.6





#31

Cyclohexane

Concen: 22.61 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

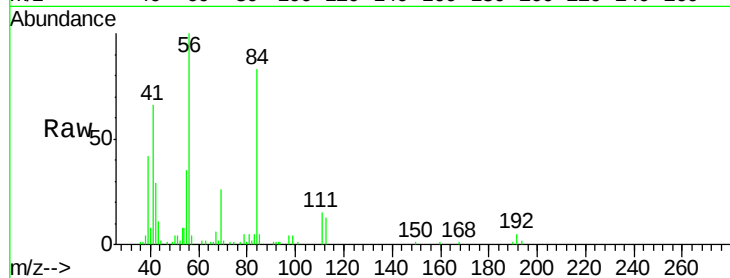
Tot Ion: 56 Resp: 176492

Ion Ratio Lower Upper

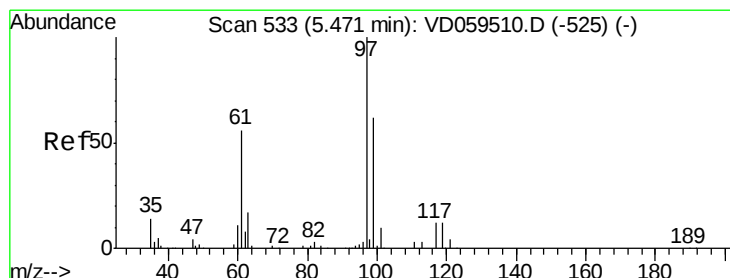
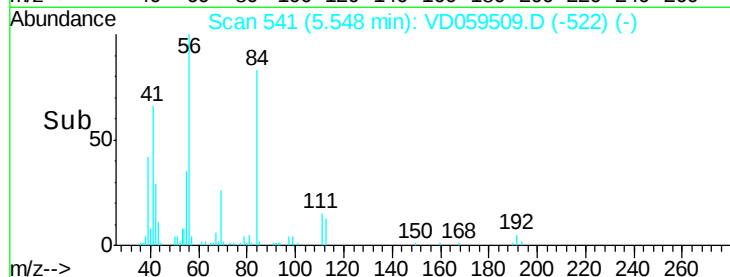
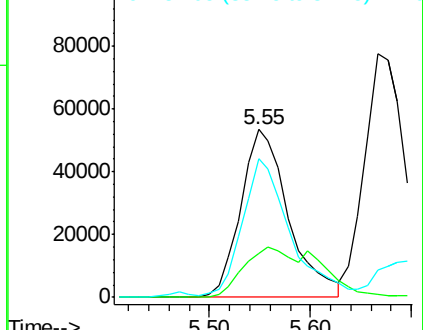
56 100

69 26.4 22.9 34.3

84 82.7 63.4 95.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 21.76 ug/l

RT: 5.47 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

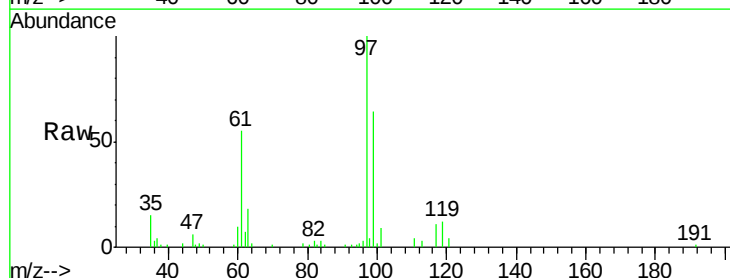
Tgt Ion: 97 Resp: 194508

Ion Ratio Lower Upper

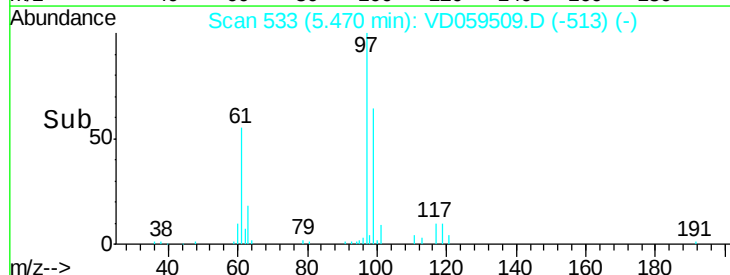
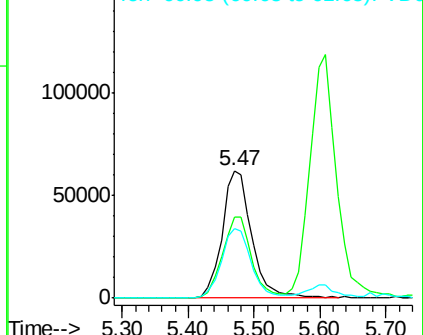
97 100

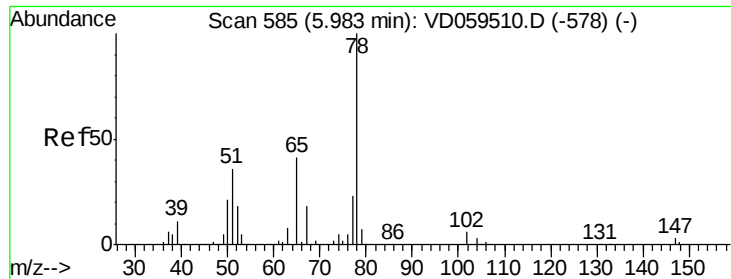
99 63.7 49.6 74.4

61 54.8 44.8 67.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

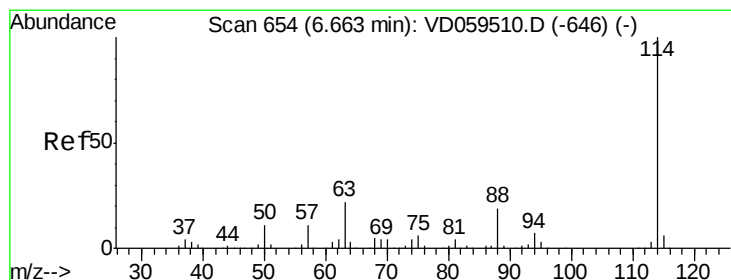
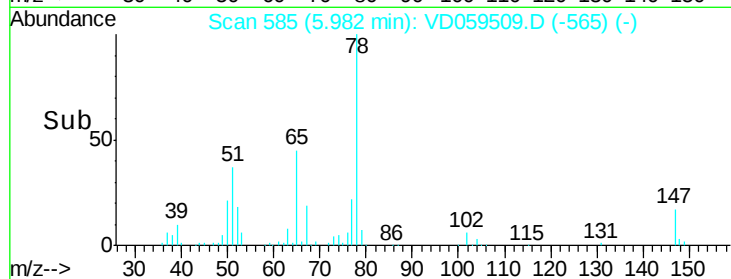
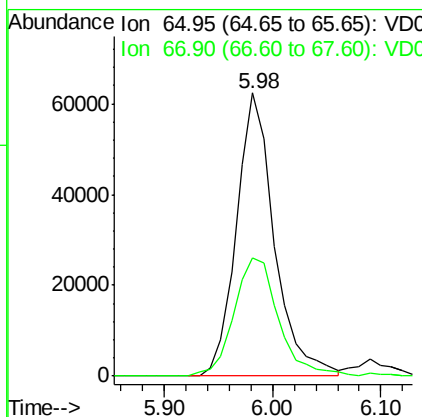
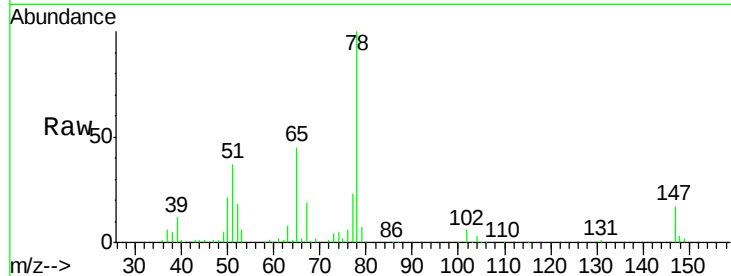




#33
 1,2-Dichloroethane-d4
 Concen: 21.76 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

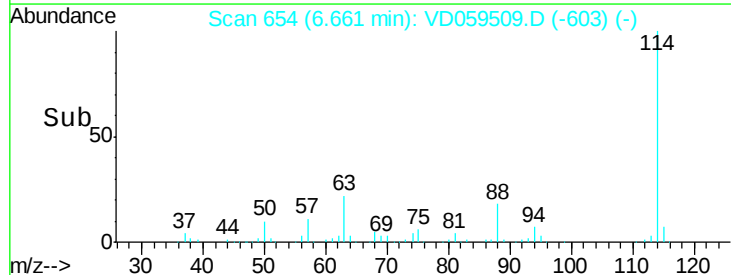
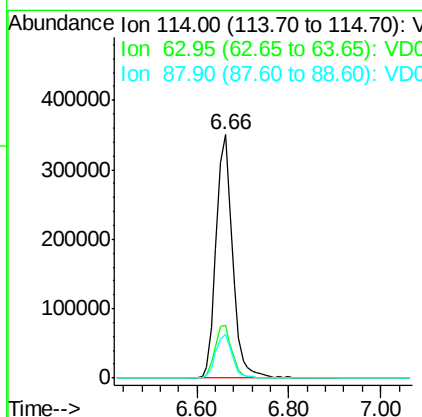
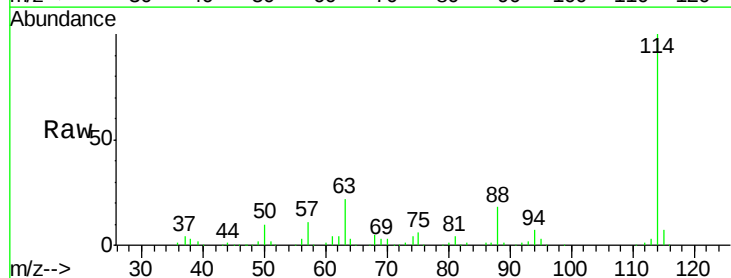
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

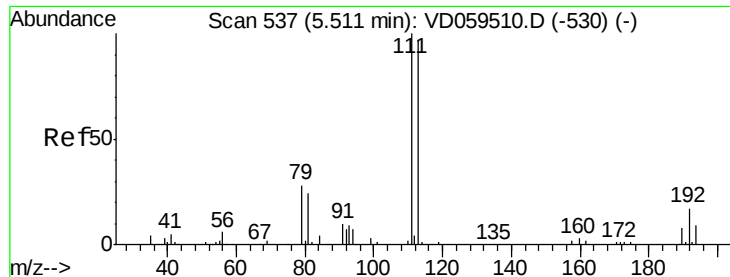
Tot Ion: 65 Resp: 151696
 Ion Ratio Lower Upper
 65 100
 67 42.0 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Tgt Ion: 114 Resp: 865878
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.4
 88 17.8 0.0 37.8

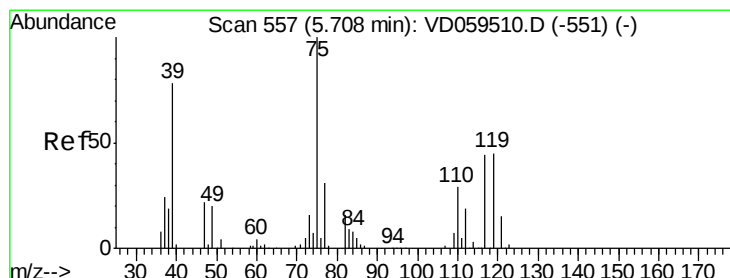
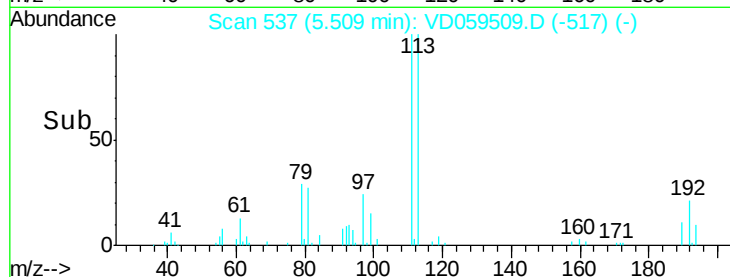
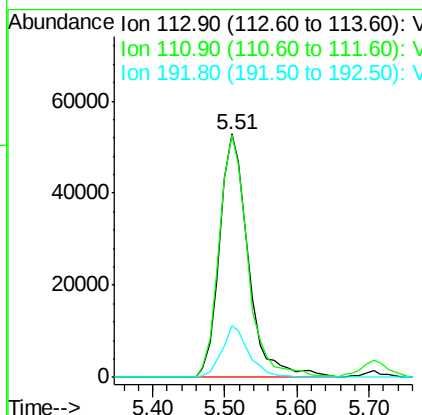
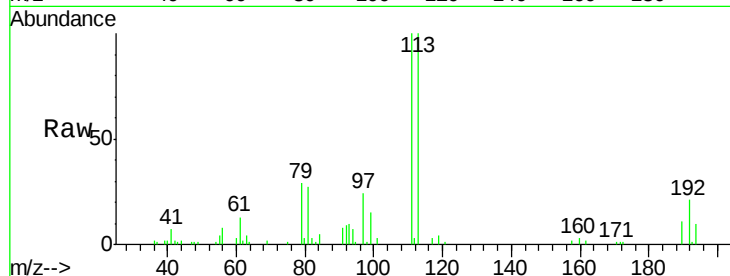




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

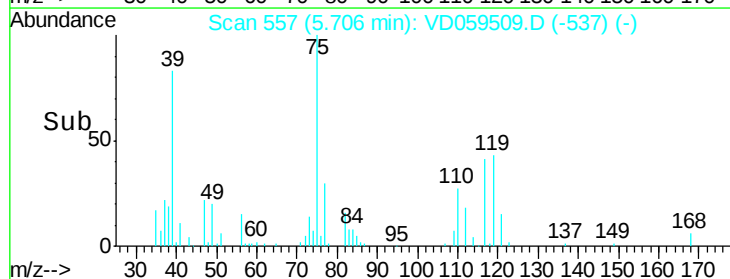
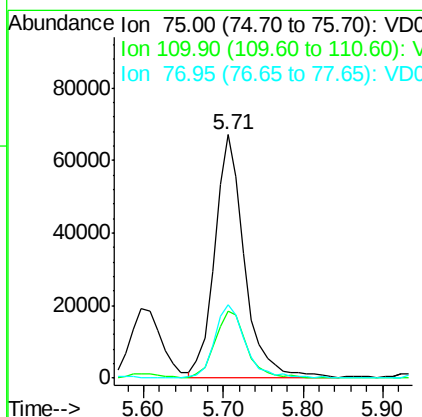
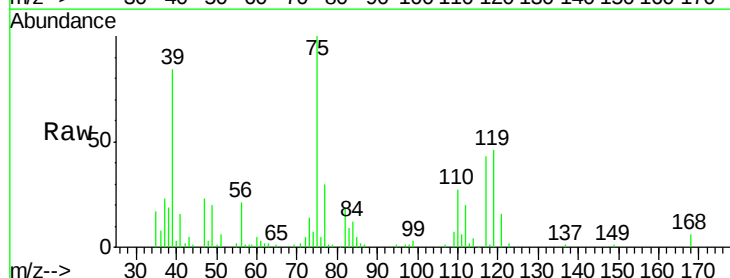
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

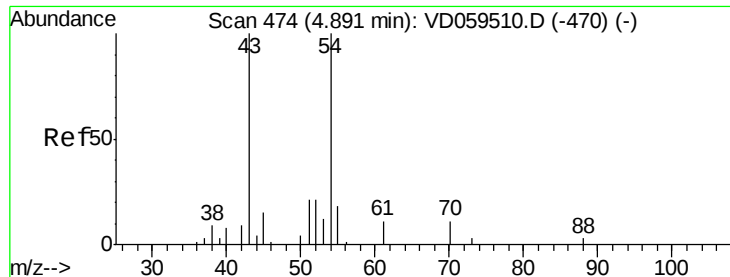
Tot Ion:113 Resp: 145490
Ion Ratio Lower Upper
113 100
111 99.6 82.7 124.1
192 21.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 21.24 ug/l
RT: 5.71 min Scan# 557
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion: 75 Resp: 175790
Ion Ratio Lower Upper
75 100
110 27.5 14.4 43.4
77 30.0 25.0 37.6





#37

Ethyl Acetate

Concen: 19.68 ug/l

RT: 4.89 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

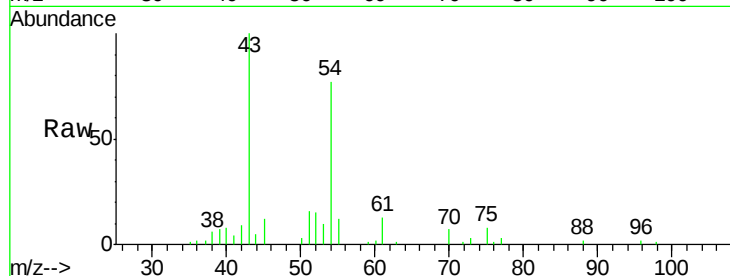
Tot Ion: 43 Resp: 96909

Ion Ratio Lower Upper

43 100

61 12.7 11.5 17.3

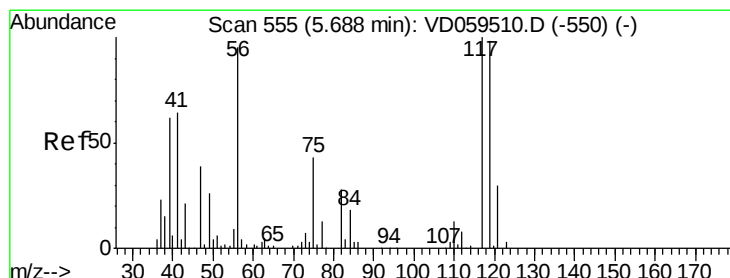
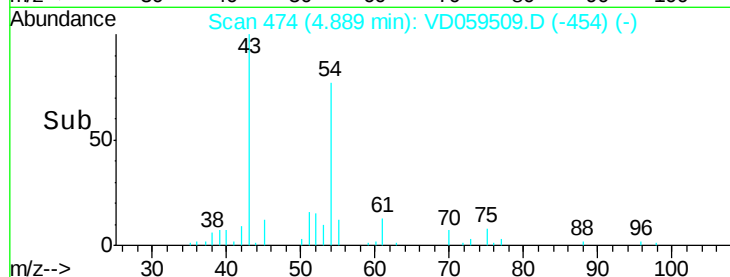
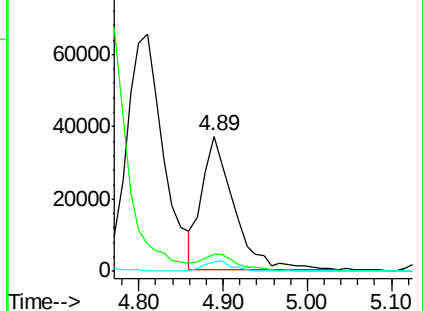
70 6.6 6.8 10.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 18.61 ug/l

RT: 5.69 min Scan# 555

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

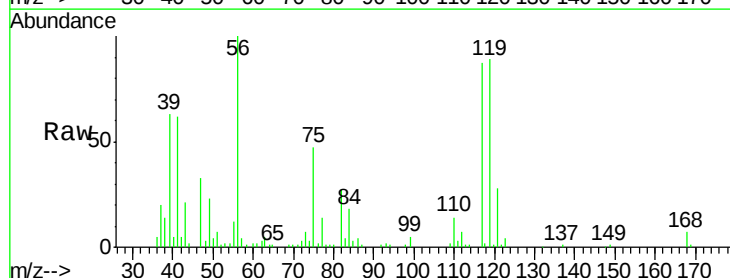
Tgt Ion: 117 Resp: 158339

Ion Ratio Lower Upper

117 100

119 102.2 76.4 114.6

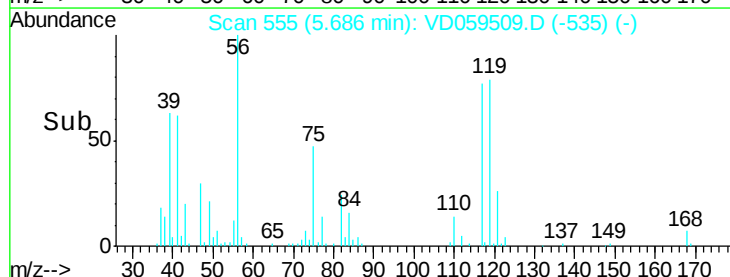
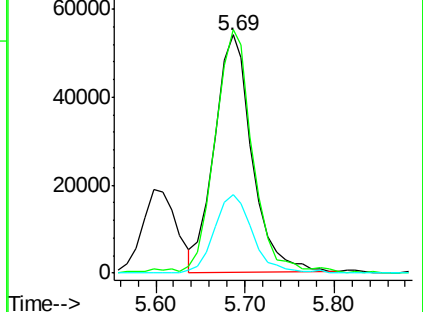
121 32.8 23.9 35.9

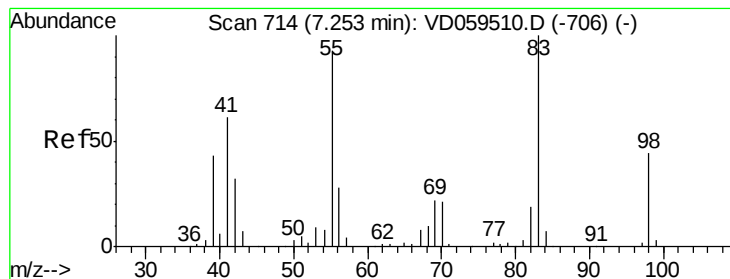


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 19.41 ug/l

RT: 7.25 min Scan# 714

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

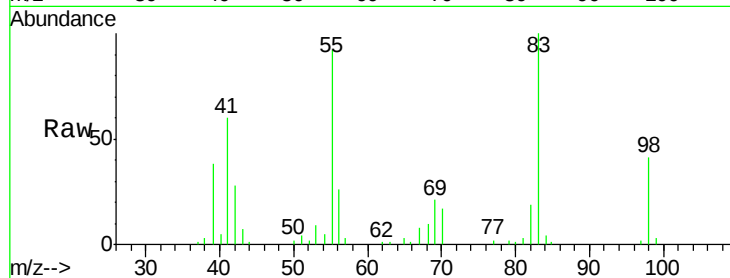
Tot Ion: 83 Resp: 152622

Ion Ratio Lower Upper

83 100

55 91.7 74.2 111.4

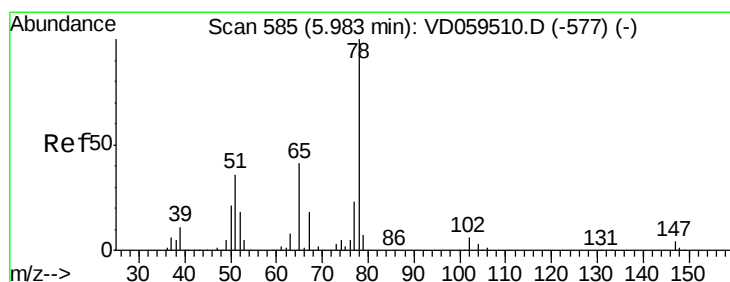
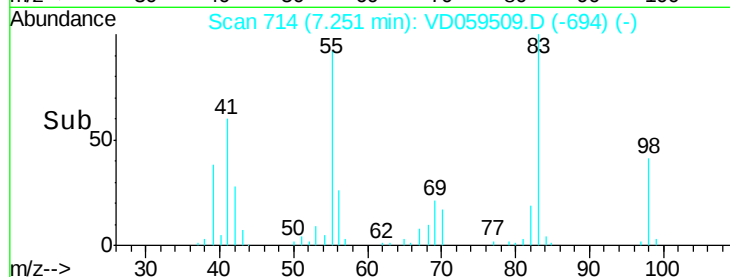
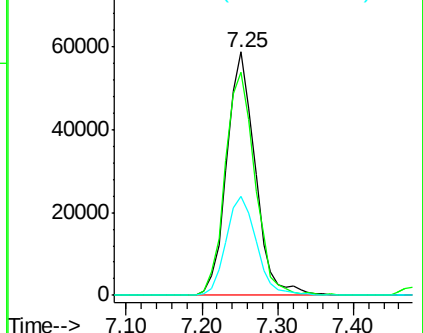
98 40.5 35.5 53.3



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.63 ug/l

RT: 5.97 min Scan# 584

Delta R.T. -0.01 min

Lab File: VD059509.D

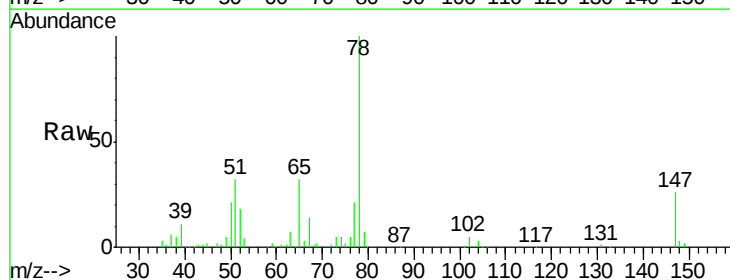
Acq: 2 Jul 2018 18:03

Tgt Ion: 78 Resp: 409178

Ion Ratio Lower Upper

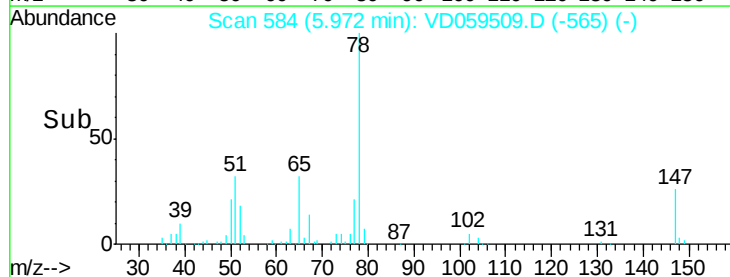
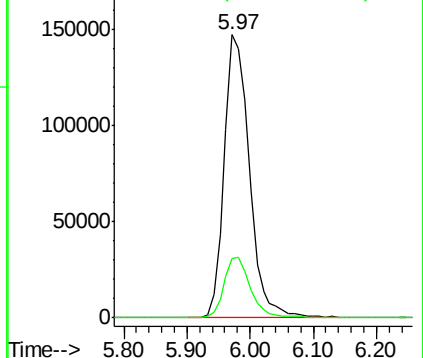
78 100

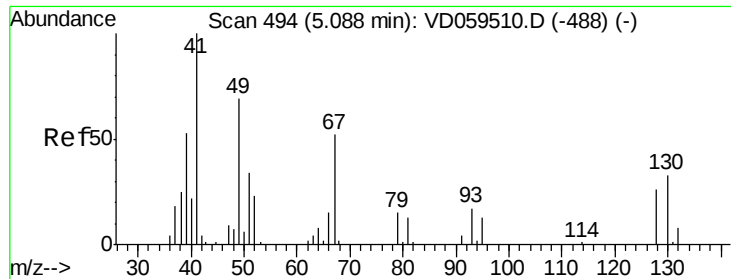
77 21.0 18.6 27.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.10 ug/l

RT: 5.09 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 45756

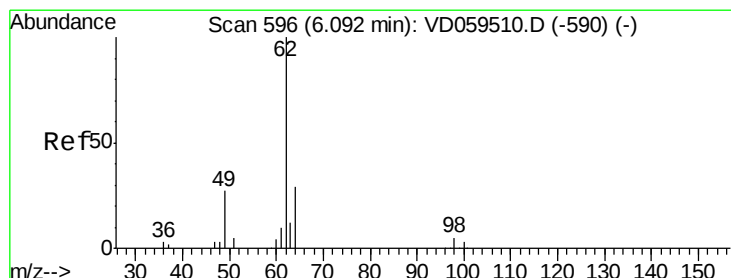
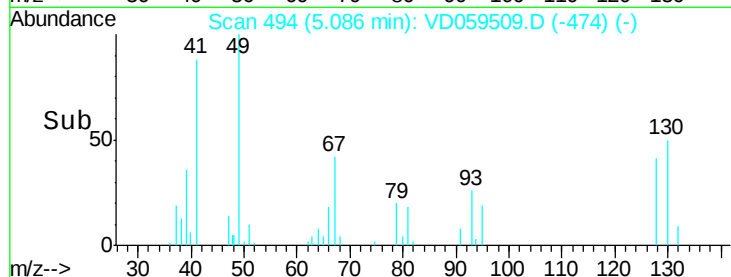
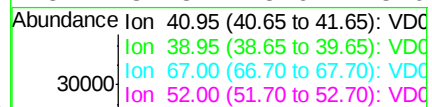
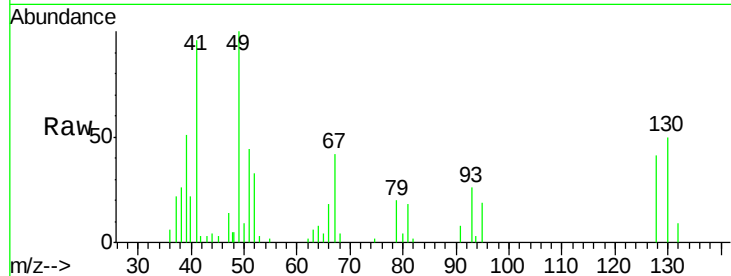
Ion Ratio Lower Upper

41 100

39 52.8 43.0 64.4

67 44.0 41.4 62.2

52 34.3 18.6 28.0#



#42

1,2-Dichloroethane

Concen: 20.58 ug/l

RT: 6.09 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD059509.D

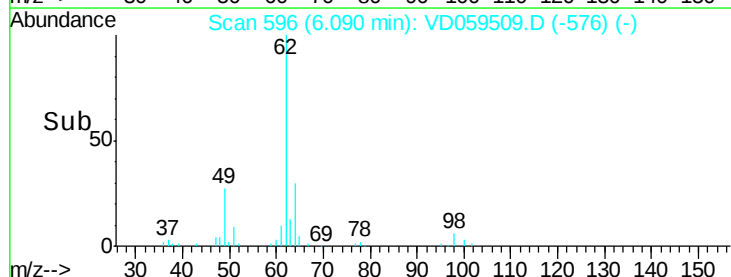
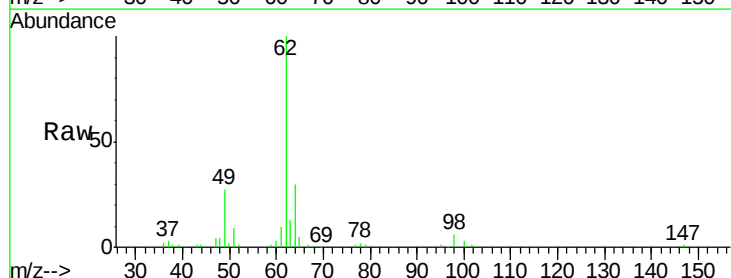
Acq: 2 Jul 2018 18:03

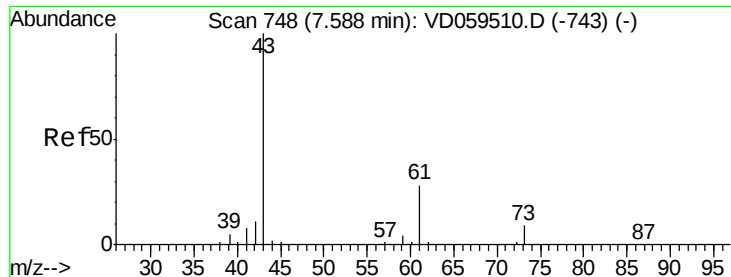
Tgt Ion: 62 Resp: 179148

Ion Ratio Lower Upper

62 100

98 6.4 0.0 10.0





#43

Isopropyl Acetate

Concen: 19.95 ug/l

RT: 7.59 min Scan# 748

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

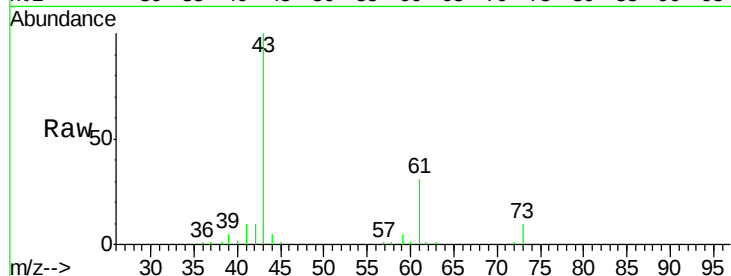
Tot Ion: 43 Resp: 125026

Ion Ratio Lower Upper

43 100

61 30.7 22.3 33.5

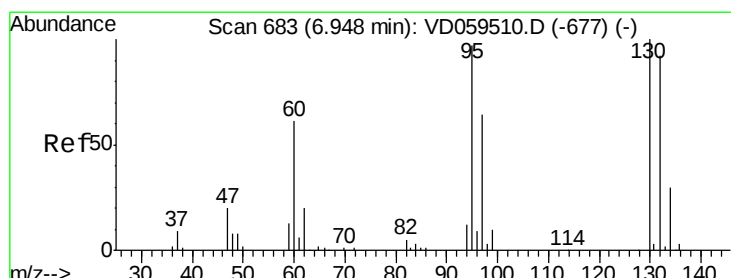
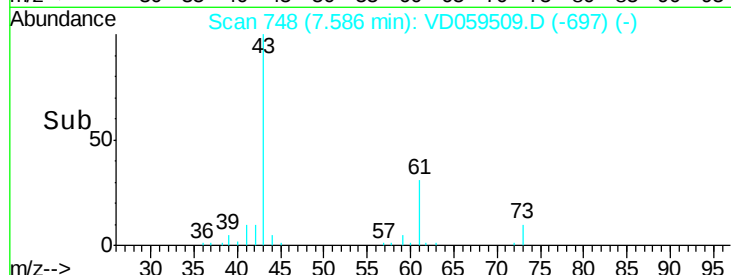
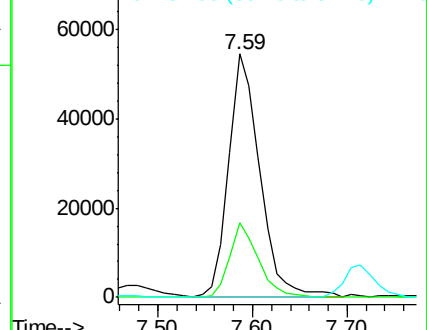
87 0.0 0.4 0.6#



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: 18.56 ug/l

RT: 6.95 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD059509.D

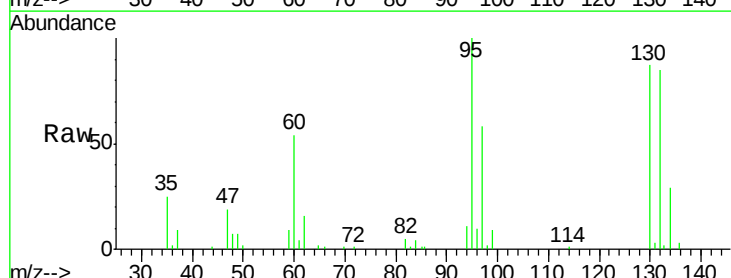
Acq: 2 Jul 2018 18:03

Tgt Ion:130 Resp: 119382

Ion Ratio Lower Upper

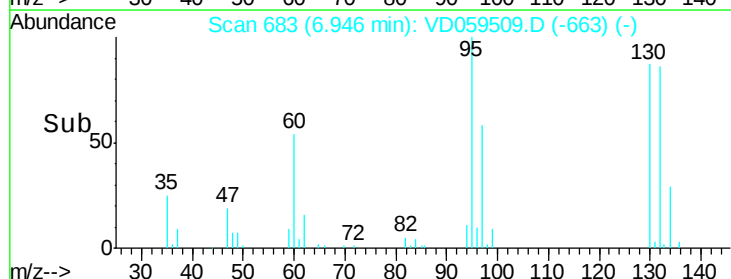
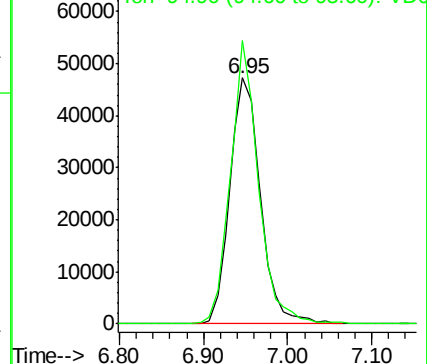
130 100

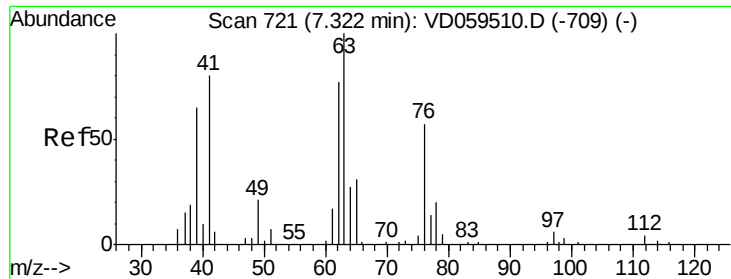
95 115.0 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.49 ug/l

RT: 7.32 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

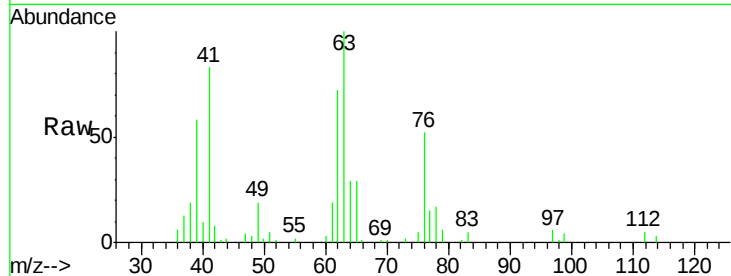
VSTDIC020

Tot Ion: 63 Resp: 111984

Ion Ratio Lower Upper

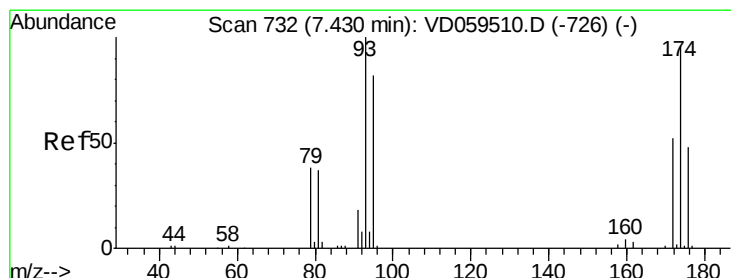
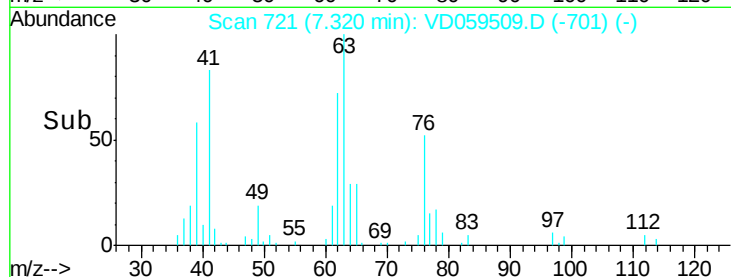
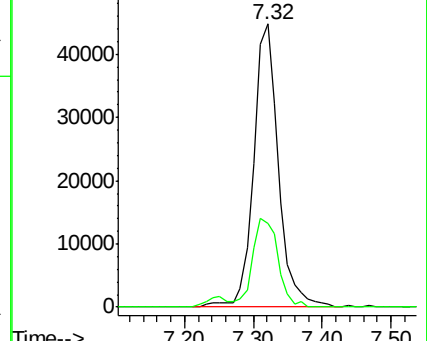
63 100

65 29.4 24.4 36.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.98 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

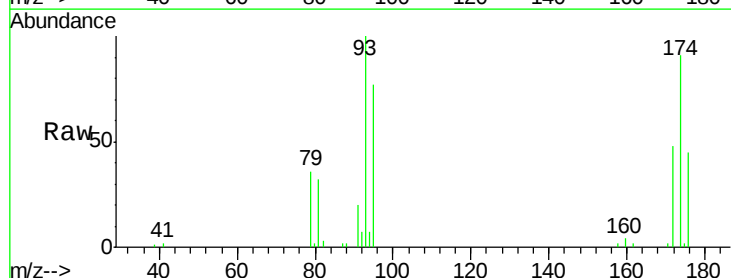
Tgt Ion: 93 Resp: 77340

Ion Ratio Lower Upper

93 100

95 76.9 65.7 98.5

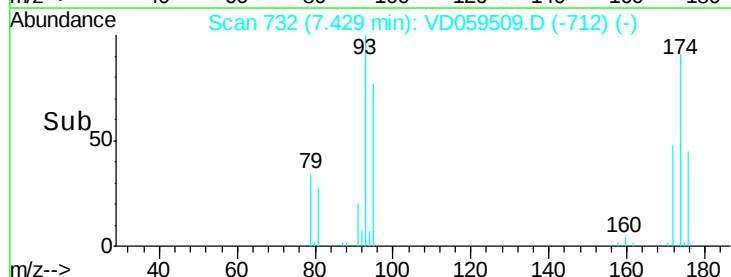
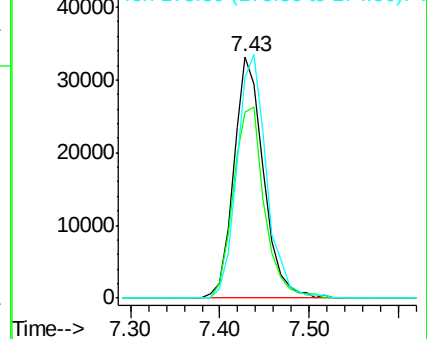
174 91.2 77.2 115.8

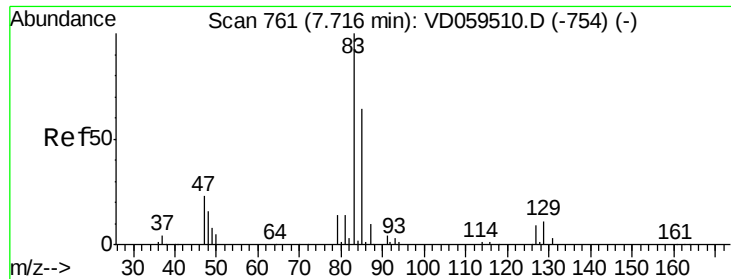


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.55 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

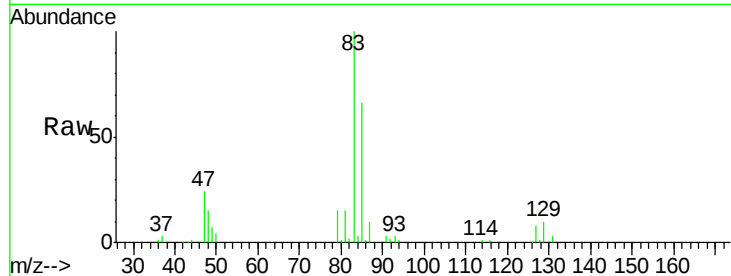
Tot Ion: 83 Resp: 178985

Ion Ratio Lower Upper

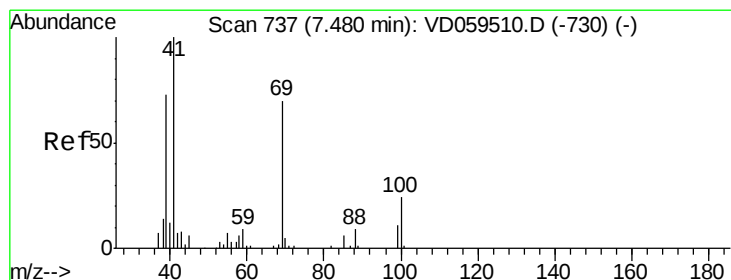
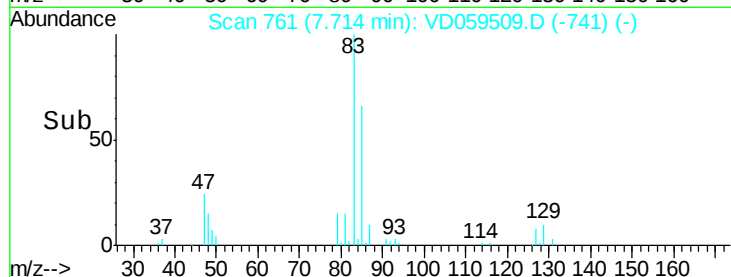
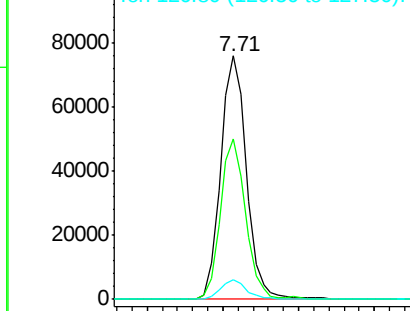
83 100

85 65.8 51.0 76.4

127 8.3 7.0 10.6



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: 20.16 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

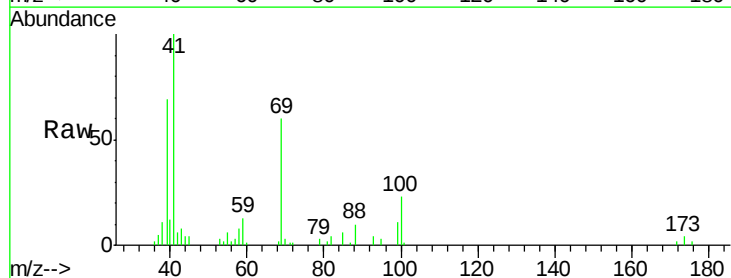
Tgt Ion: 41 Resp: 77657

Ion Ratio Lower Upper

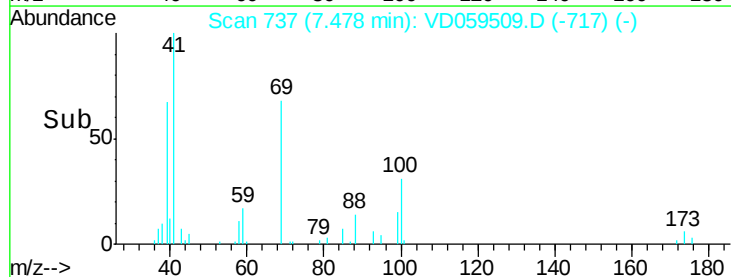
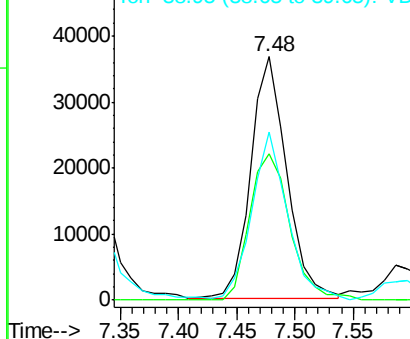
41 100

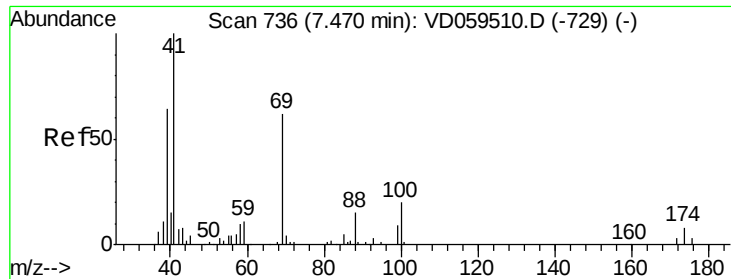
69 60.1 55.8 83.8

39 68.8 58.7 88.1



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

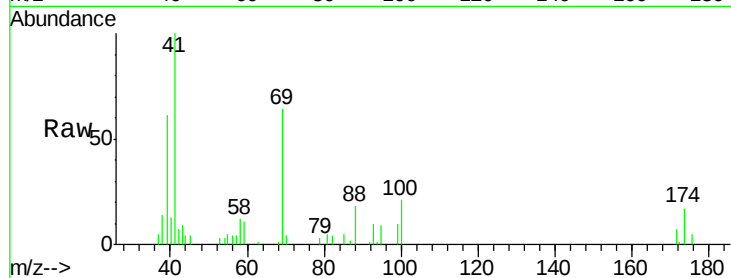




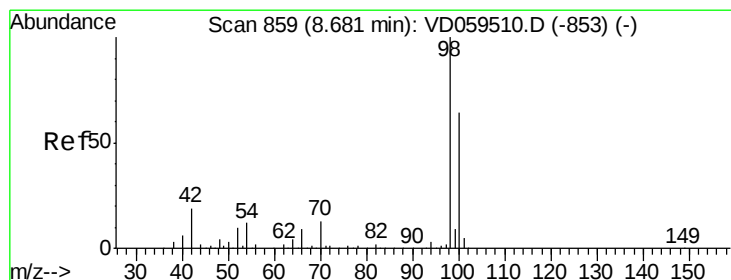
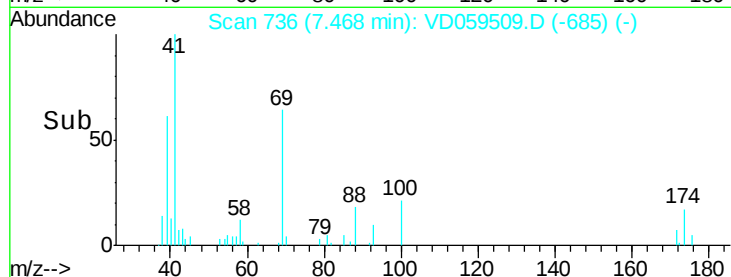
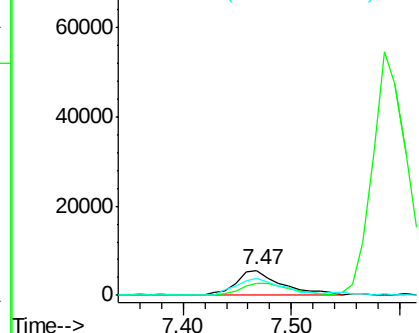
#49
1,4-Dioxane
Concen: 424.33 ug/l
RT: 7.47 min Scan# 736
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 16257
Ion Ratio Lower Upper
88 100
43 47.5 41.4 62.0
58 68.4 49.4 74.2

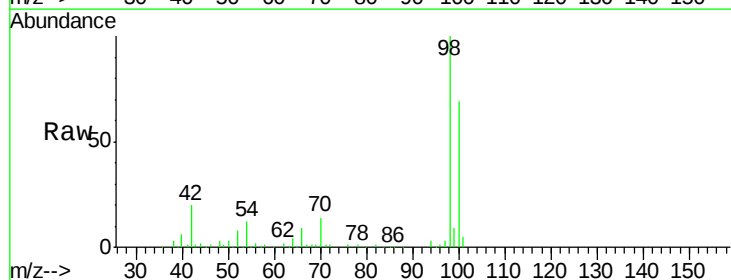


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

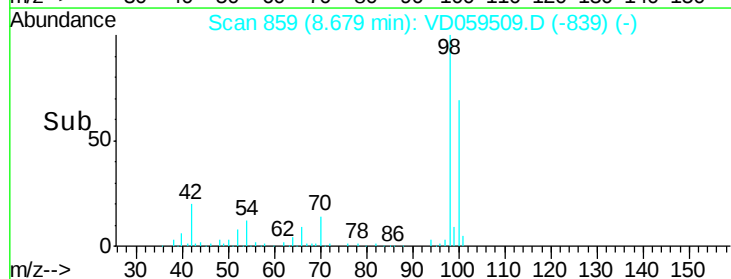
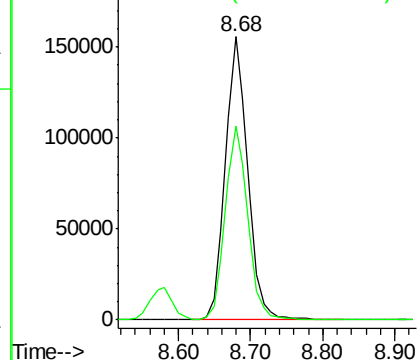


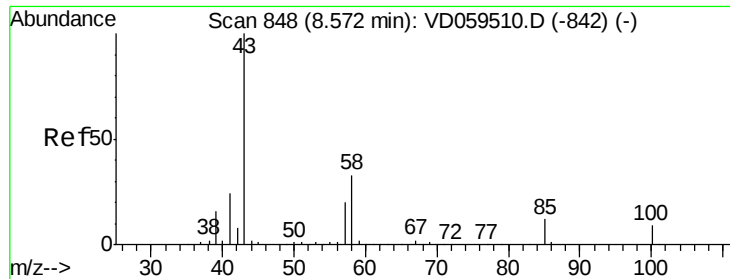
#50
Toluene-d8
Concen: 424.33 ug/l
RT: 8.68 min Scan# 859
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion: 98 Resp: 332320
Ion Ratio Lower Upper
98 100
100 68.6 51.8 77.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 102.19 ug/l

RT: 8.57 min Scan# 848

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

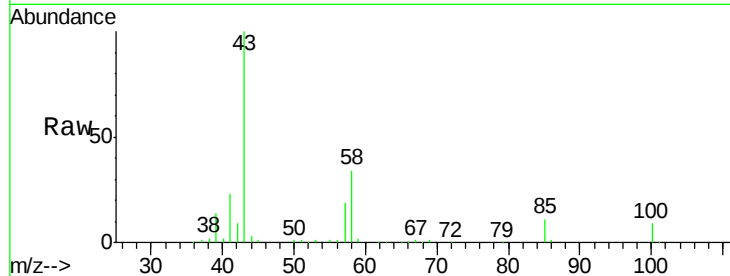
VSTDIC020

Tot Ion: 43 Resp: 424717

Ion Ratio Lower Upper

43 100

58 34.4 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.57

200000

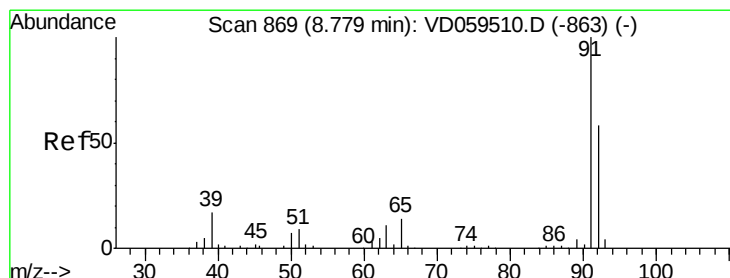
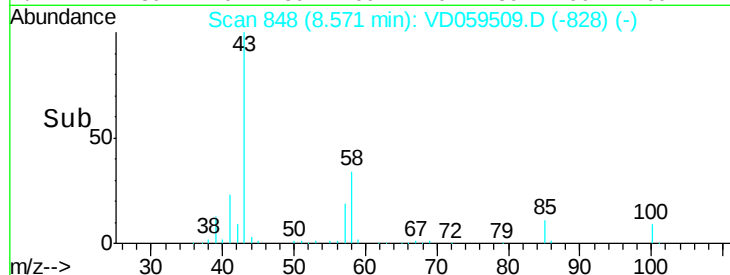
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.35 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059509.D

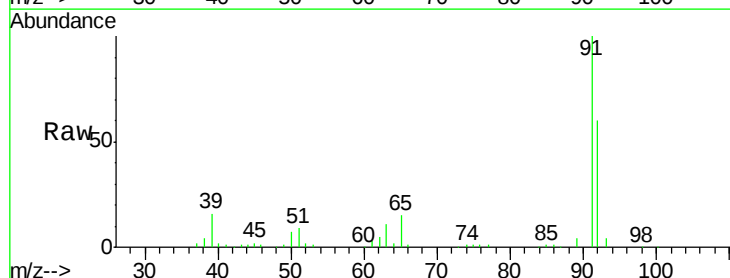
Acq: 2 Jul 2018 18:03

Tgt Ion: 92 Resp: 226299

Ion Ratio Lower Upper

92 100

91 167.8 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.78

200000

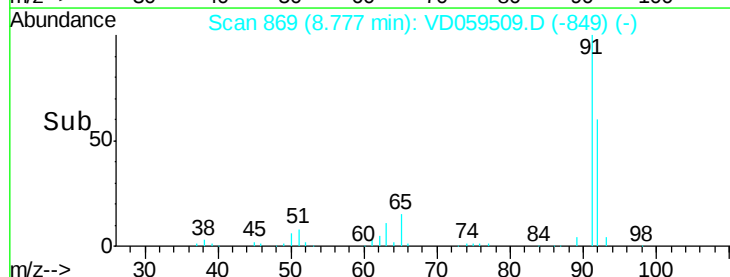
150000

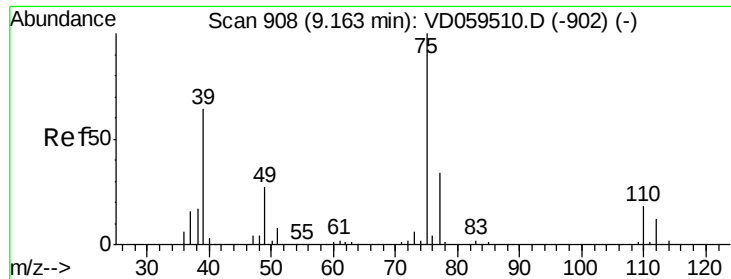
100000

50000

0

Time-->

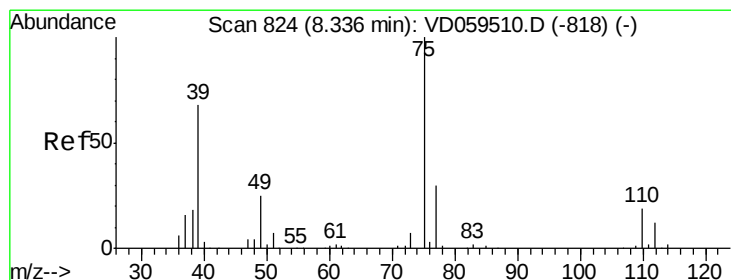
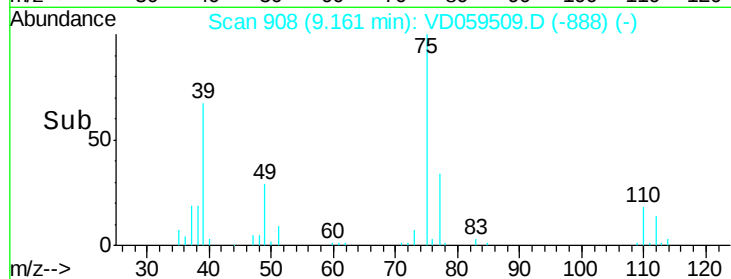
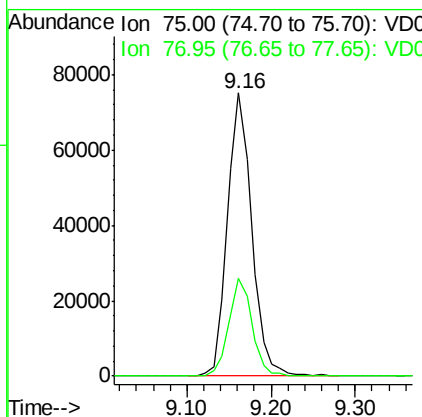
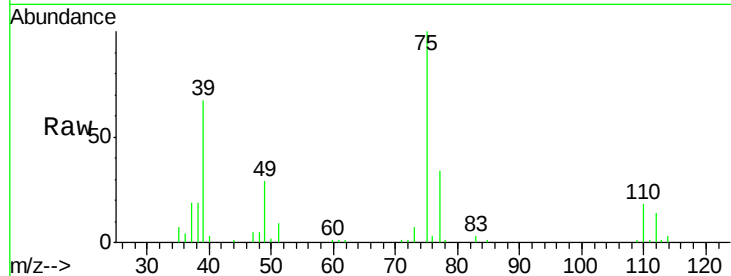




#53
 t-1,3-Dichloropropene
 Concen: 20.27 ug/l
 RT: 9.16 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

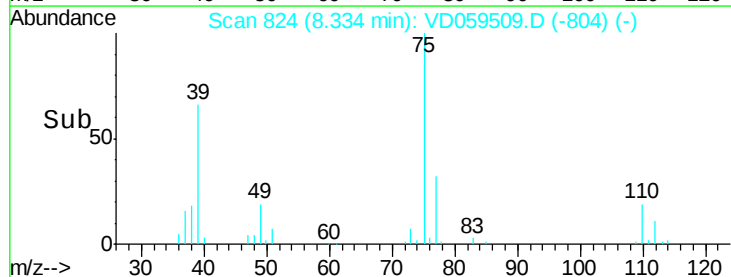
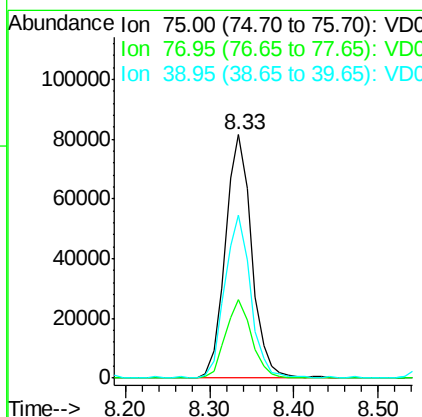
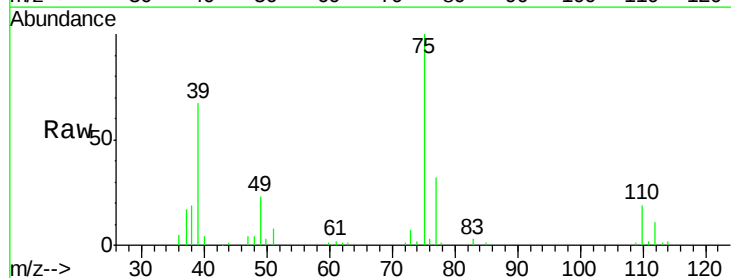
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

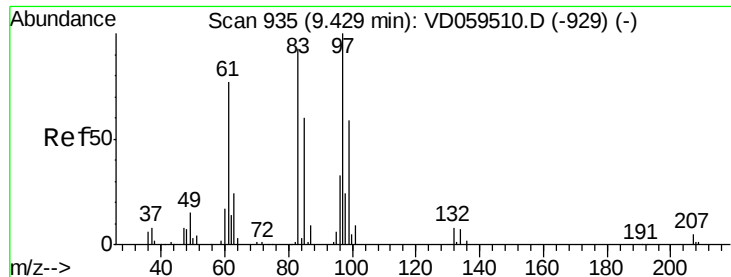
Tot Ion: 75 Resp: 150458
 Ion Ratio Lower Upper
 75 100
 77 34.4 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.56 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Tgt Ion: 75 Resp: 176880
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.4 36.6
 39 66.9 54.7 82.1





#55

1,1,2-Trichloroethane

Concen: 19.31 ug/l

RT: 9.43 min Scan# 935

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

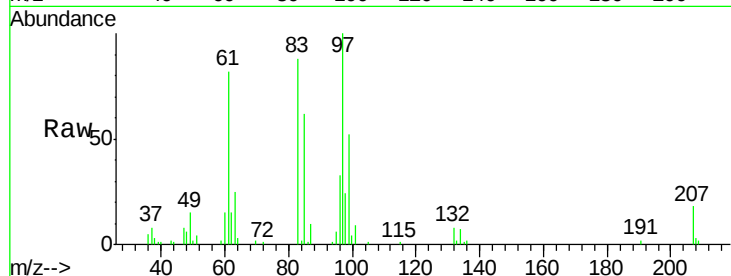
MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 80954

Ion	Ratio	Lower	Upper
97	100		
83	87.6	74.3	111.5
85	61.6	48.1	72.1
99	52.4	47.2	70.8

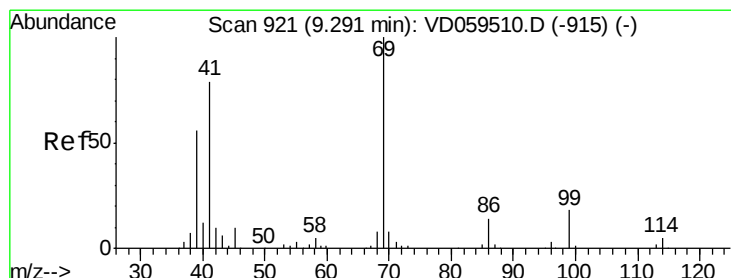
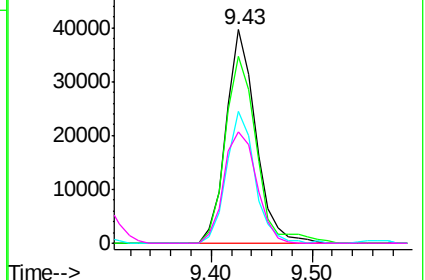
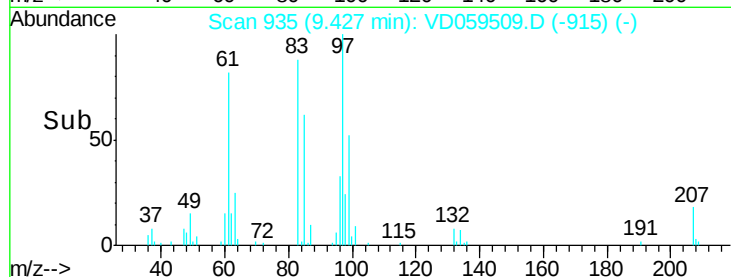


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.38 ug/l

RT: 9.29 min Scan# 921

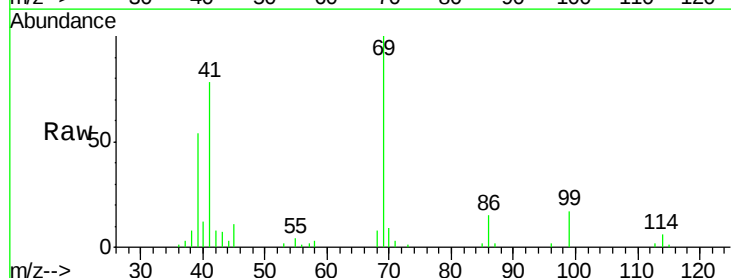
Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Tgt Ion: 69 Resp: 104182

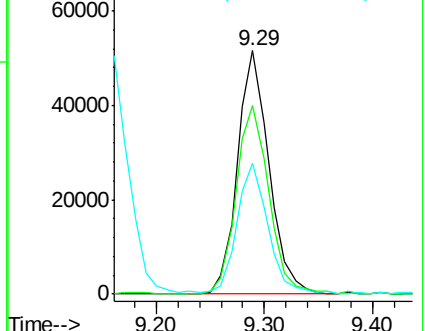
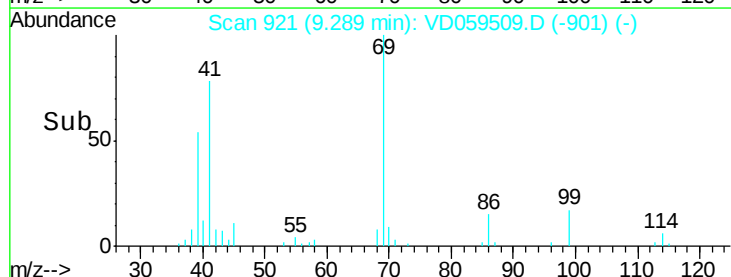
Ion	Ratio	Lower	Upper
69	100		
41	77.7	63.4	95.0
39	53.9	45.0	67.6

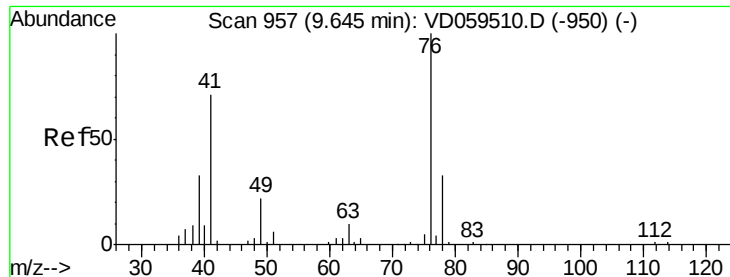


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.38 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

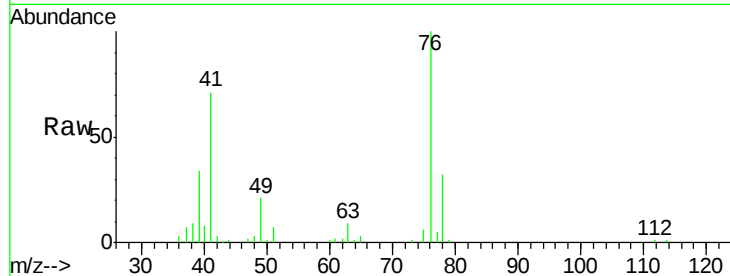
VSTDIC020

Tot Ion: 76 Resp: 149267

Ion Ratio Lower Upper

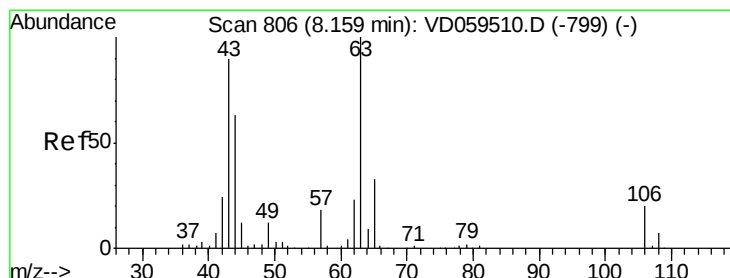
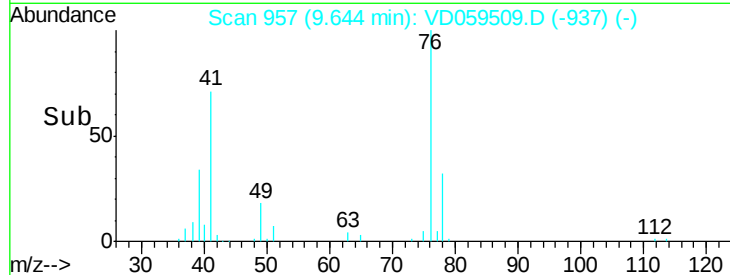
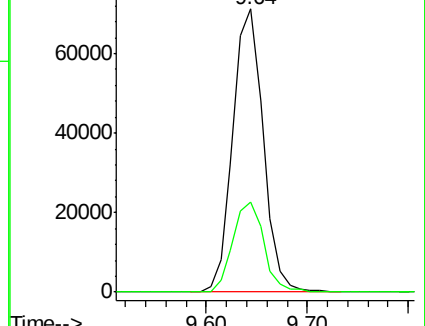
76 100

78 31.9 26.5 39.7



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: 106.91 ug/l

RT: 8.16 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD059509.D

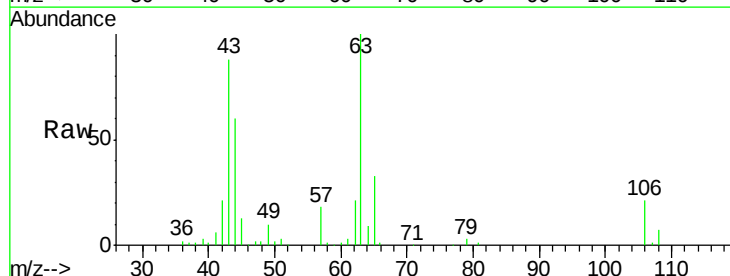
Acq: 2 Jul 2018 18:03

Tgt Ion: 63 Resp: 267800

Ion Ratio Lower Upper

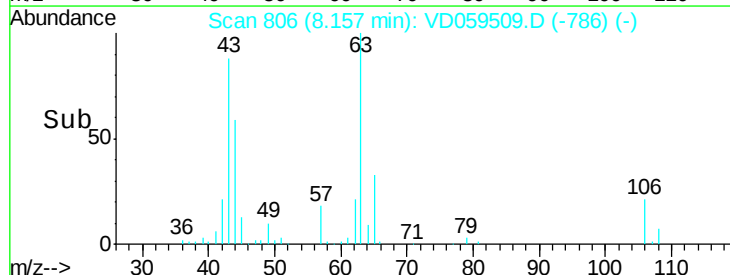
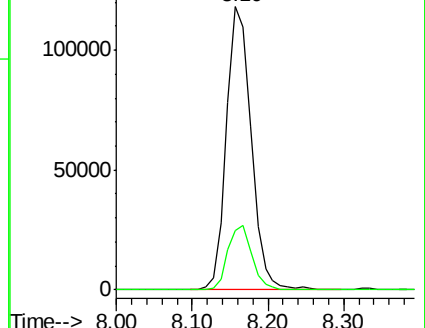
63 100

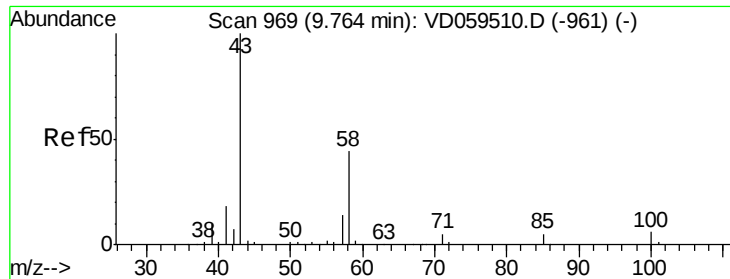
106 21.1 16.4 24.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

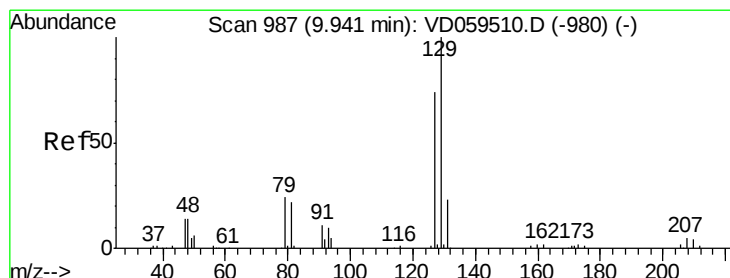
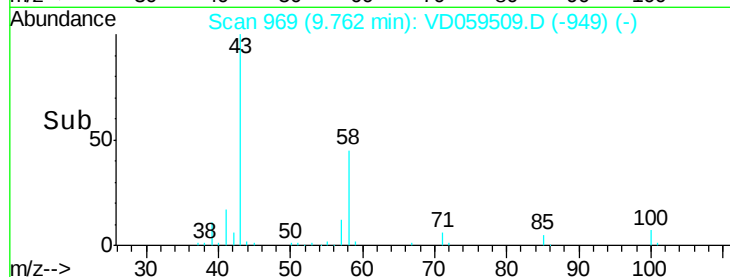
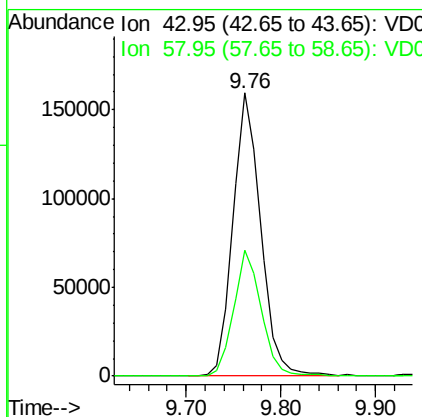
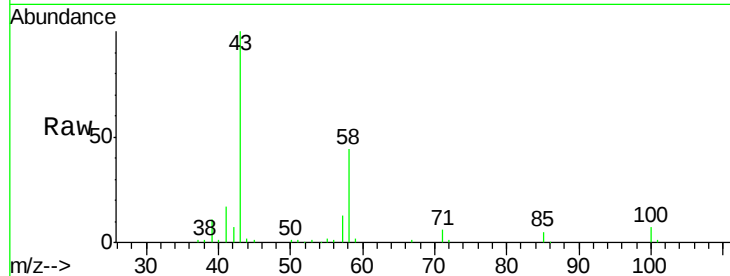




#59
2-Hexanone
Concen: 109.76 ug/l
RT: 9.76 min Scan# 969
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

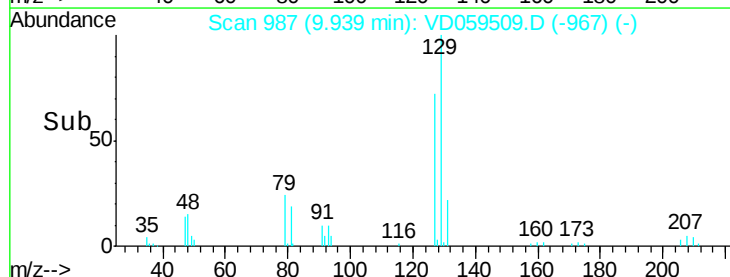
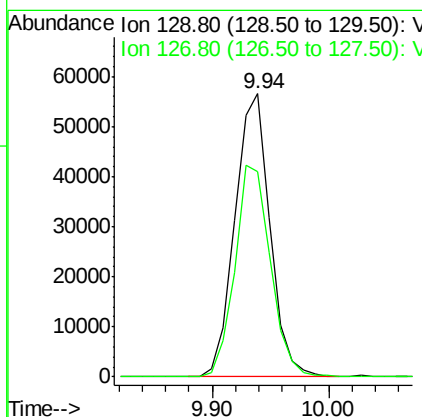
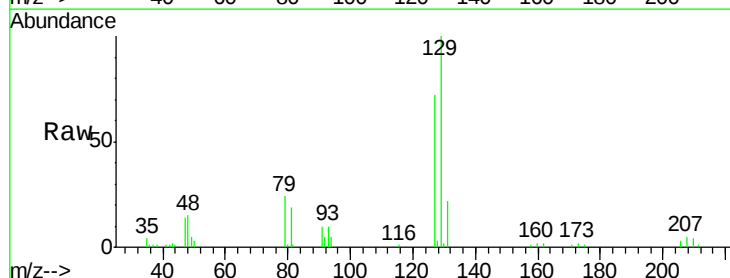
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

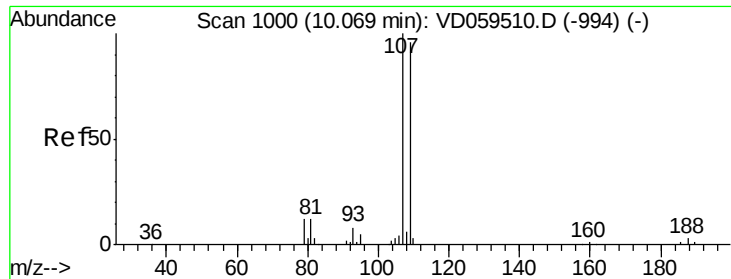
Tot Ion: 43 Resp: 322918
Ion Ratio Lower Upper
43 100
58 44.4 22.0 66.0



#60
Dibromochloromethane
Concen: 19.86 ug/l
RT: 9.94 min Scan# 987
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion: 129 Resp: 117540
Ion Ratio Lower Upper
129 100
127 72.3 37.2 111.6





#61

1,2-Dibromoethane

Concen: 19.11 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

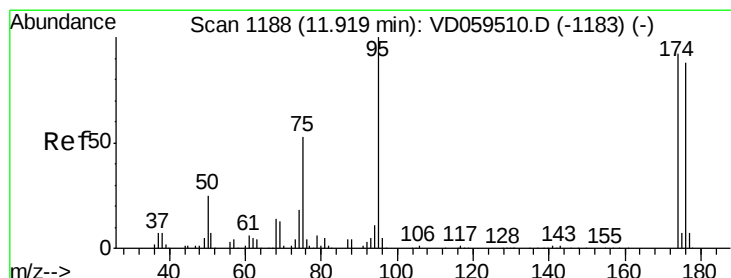
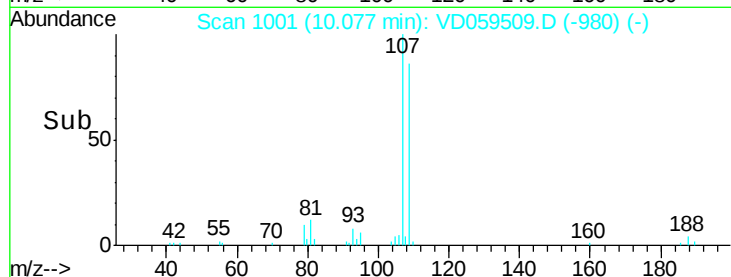
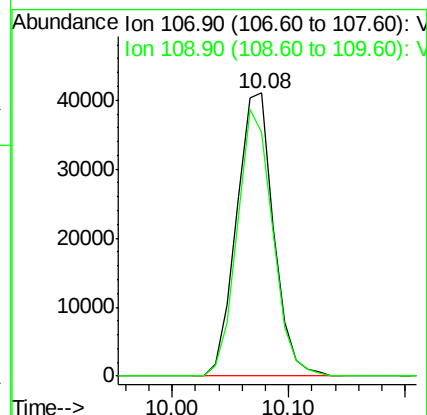
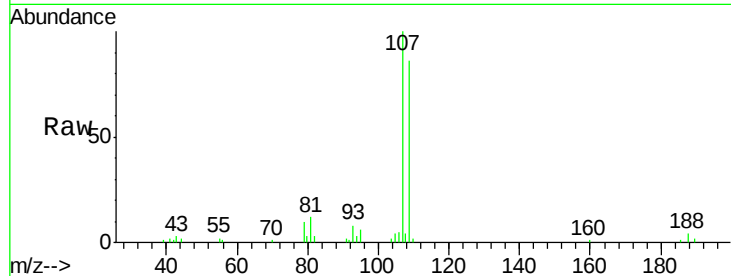
VSTDIC020

Tot Ion:107 Resp: 90021

Ion Ratio Lower Upper

107 100

109 86.0 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 19.11 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

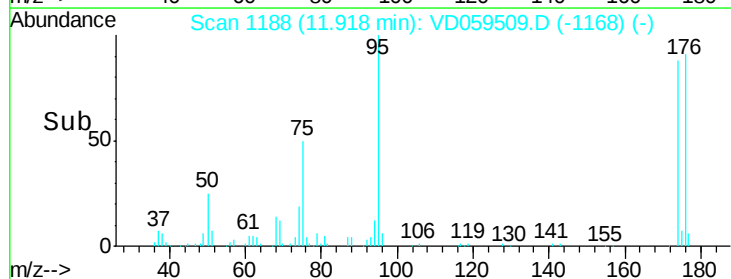
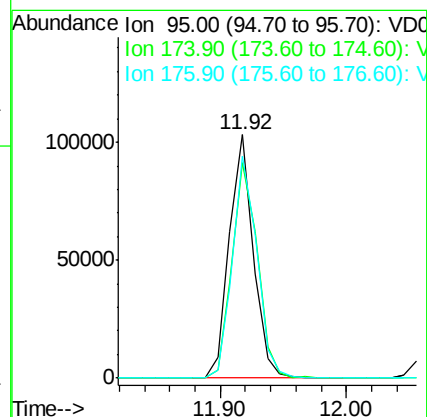
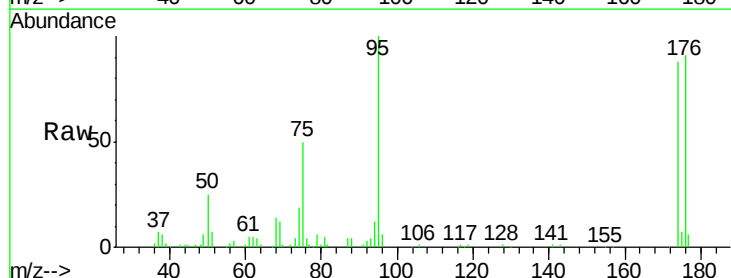
Tgt Ion: 95 Resp: 135930

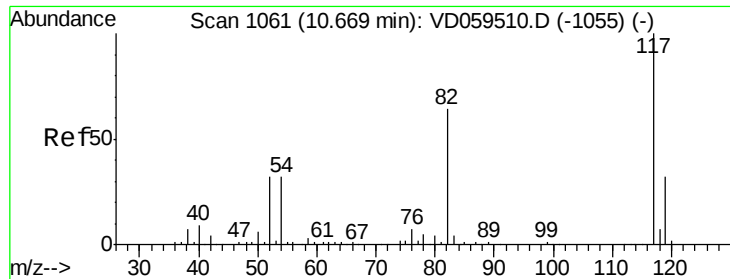
Ion Ratio Lower Upper

95 100

174 88.3 0.0 183.0

176 91.2 0.0 176.6

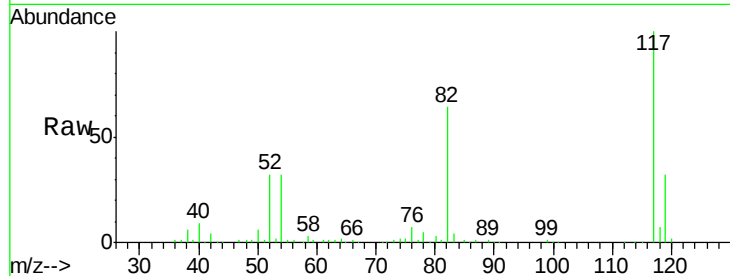




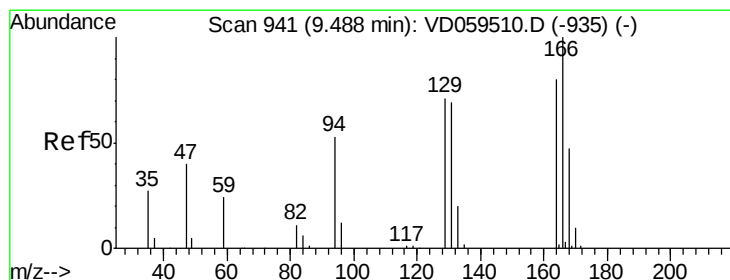
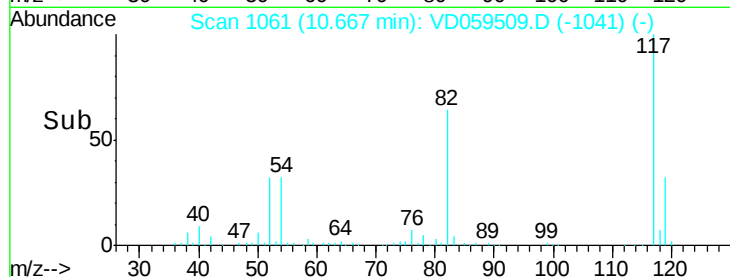
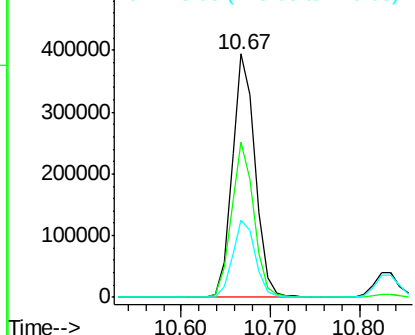
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 712145
Ion Ratio Lower Upper
117 100
82 63.6 51.1 76.7
119 31.8 25.6 38.4



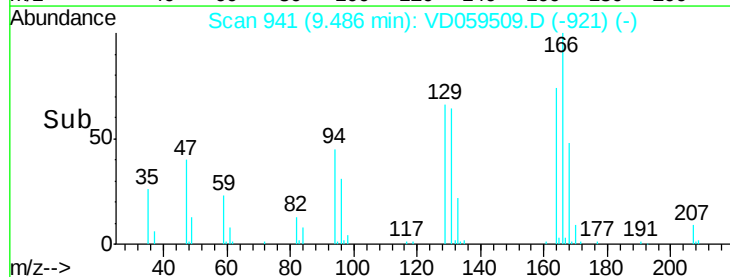
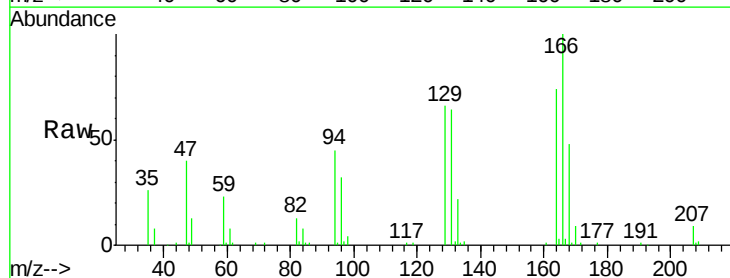
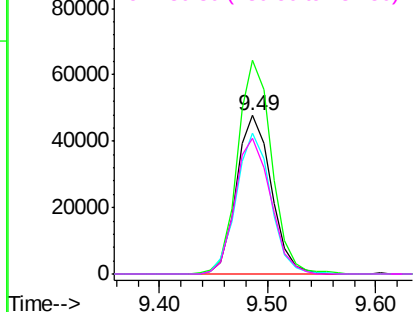
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

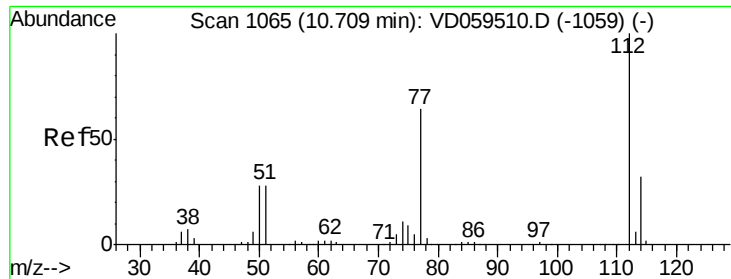


#64
Tetrachloroethene
Concen: 16.73 ug/l
RT: 9.49 min Scan# 941
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion:164 Resp: 106524
Ion Ratio Lower Upper
164 100
166 134.9 99.5 149.3
129 89.0 70.9 106.3
131 85.8 68.8 103.2

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

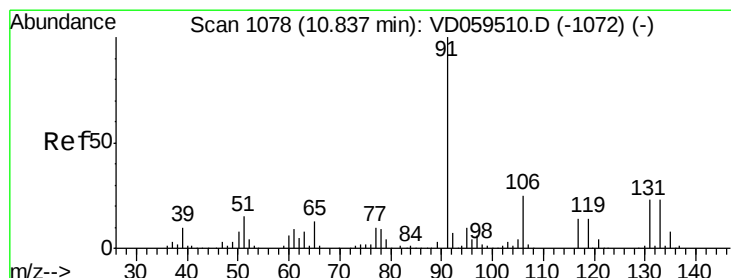
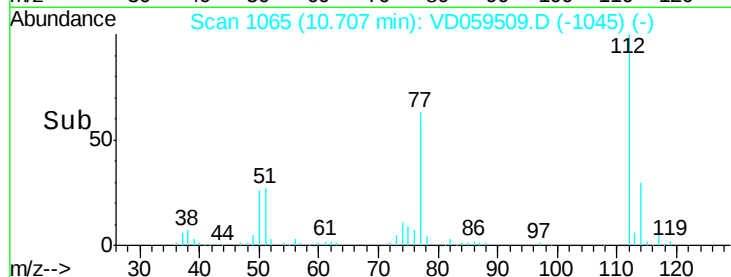
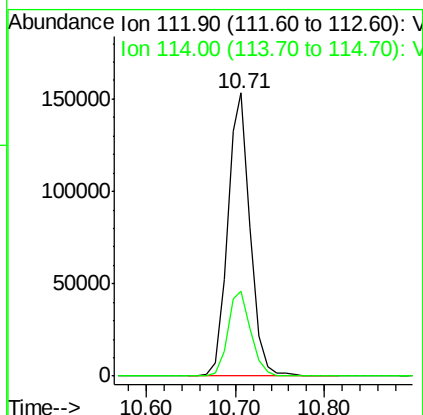
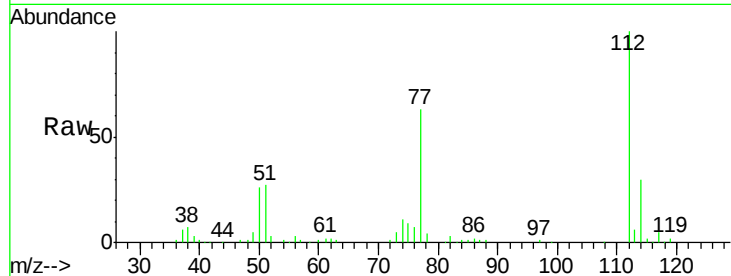




#65
Chlorobenzene
Concen: 20.26 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

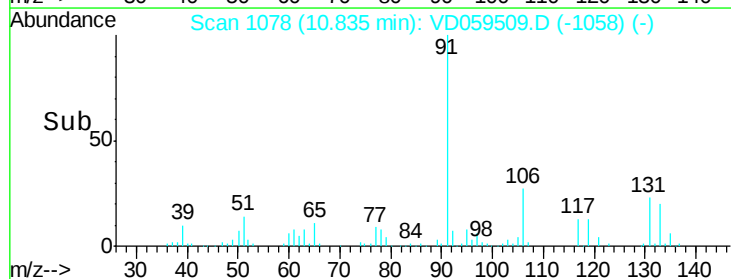
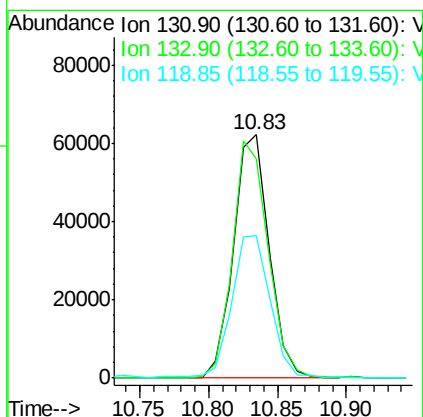
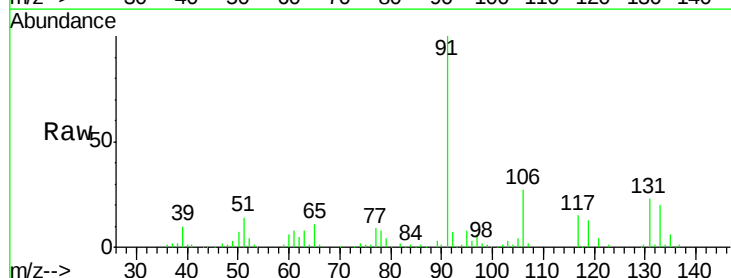
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

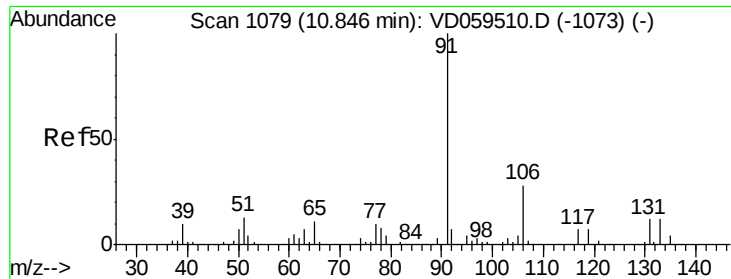
Tot Ion:112 Resp: 271234
Ion Ratio Lower Upper
112 100
114 30.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.14 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion:131 Resp: 112051
Ion Ratio Lower Upper
131 100
133 90.3 48.9 146.6
119 58.7 30.7 92.1

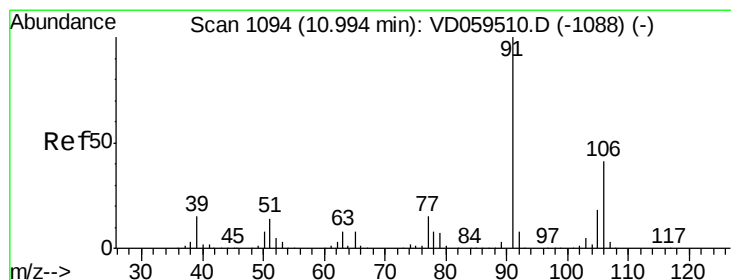
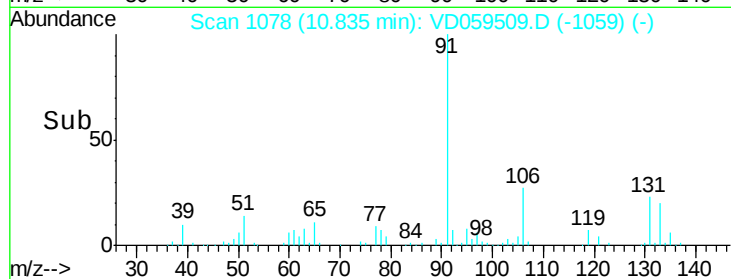
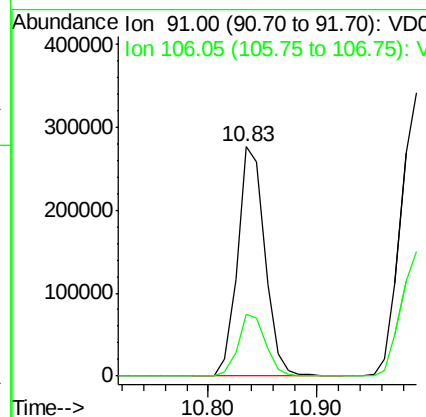
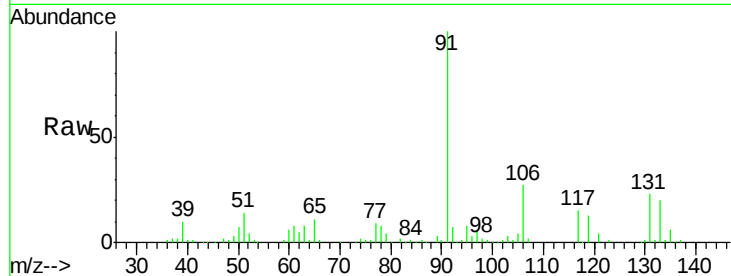




#67
Ethyl Benzene
Concen: 21.61 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

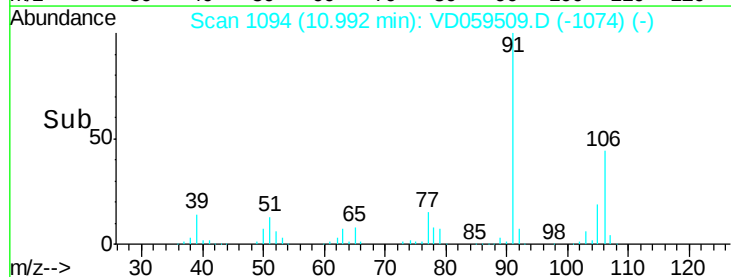
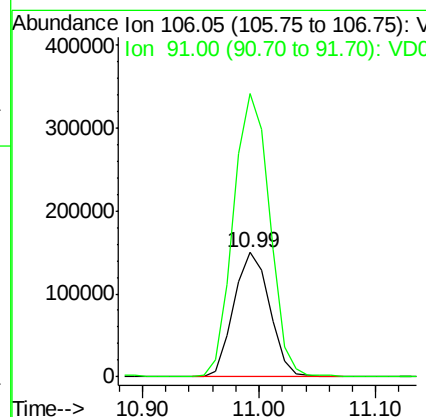
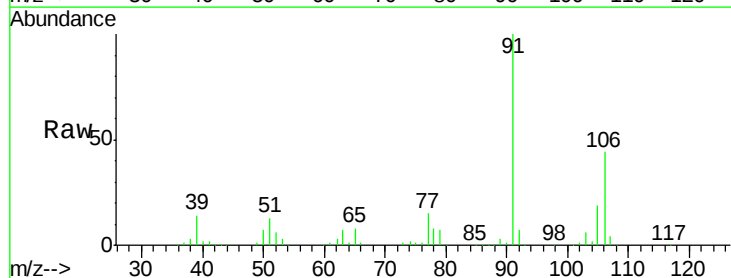
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

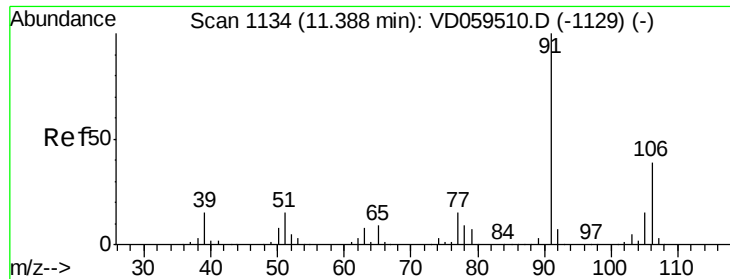
Tot Ion: 91 Resp: 485378
Ion Ratio Lower Upper
91 100
106 27.1 22.2 33.2



#68
m/p-Xylenes
Concen: 42.78 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion: 106 Resp: 320825
Ion Ratio Lower Upper
106 100
91 227.2 194.1 291.1

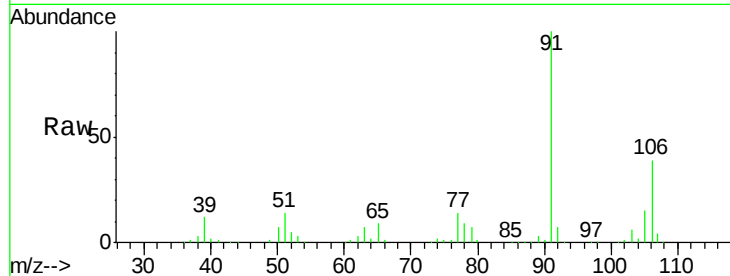




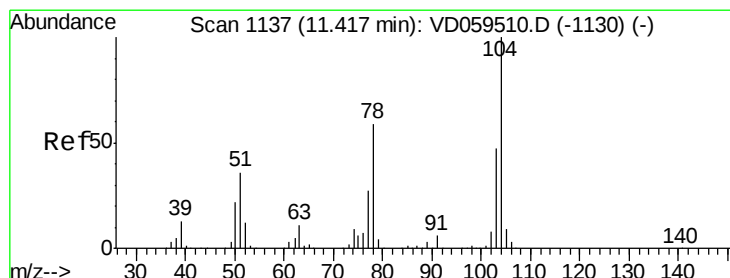
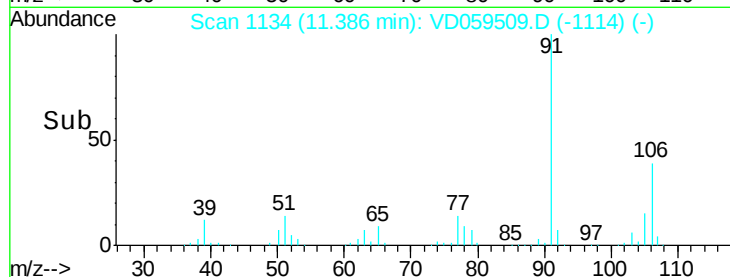
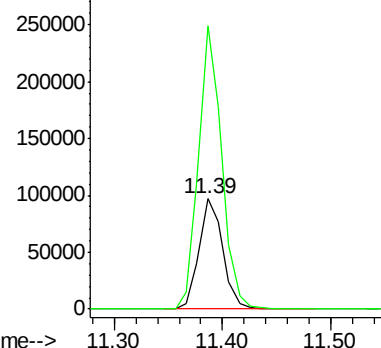
#69
o-Xylene
Concen: 20.14 ug/l
RT: 11.39 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion:106 Resp: 148594
Ion Ratio Lower Upper
106 100
91 256.7 127.0 381.0

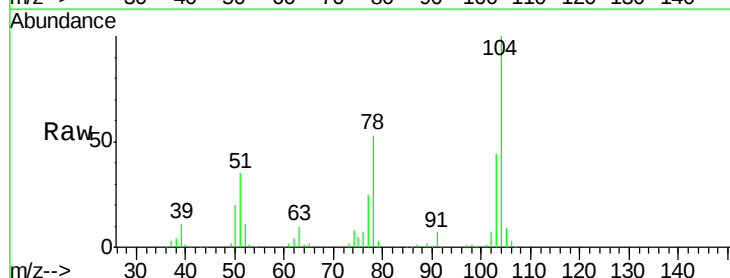


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

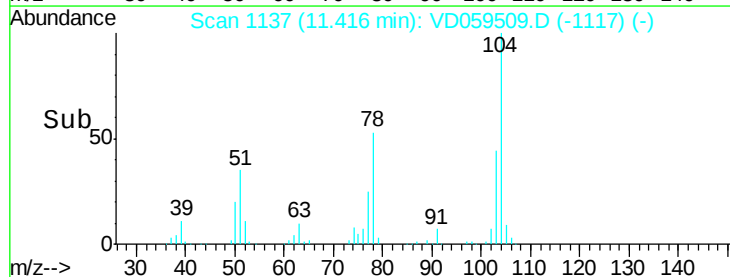
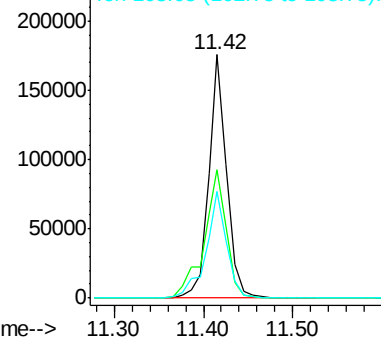


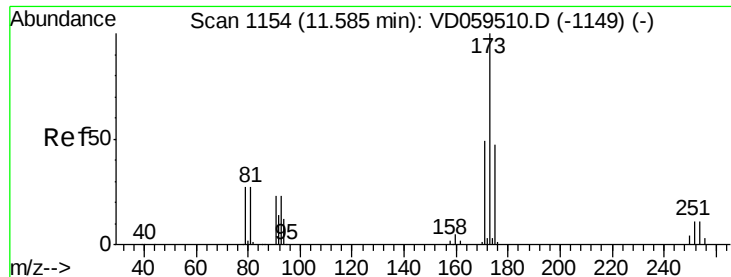
#70
Styrene
Concen: 19.83 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion:104 Resp: 248735
Ion Ratio Lower Upper
104 100
78 52.6 47.6 71.4
103 43.9 37.6 56.4



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

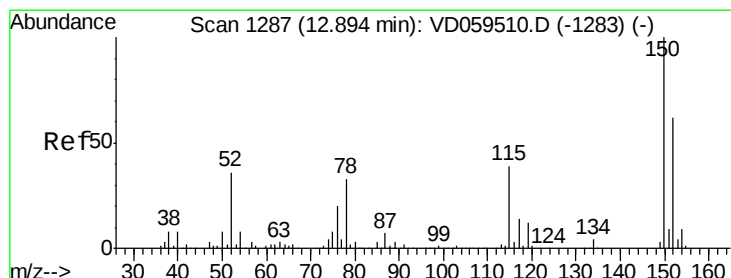
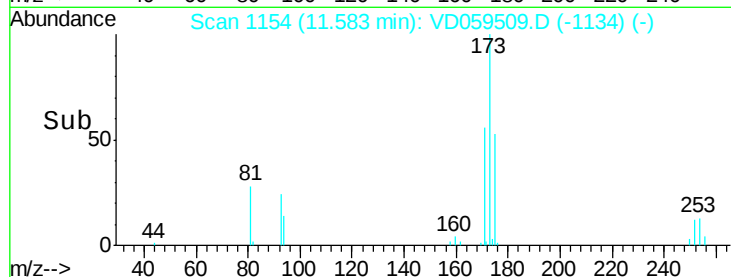
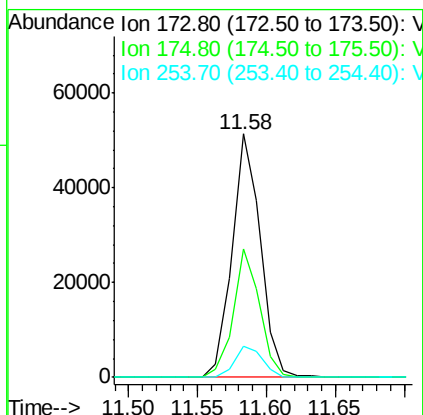
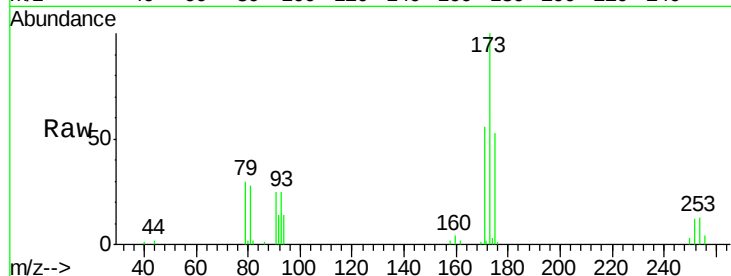




#71
Bromoform
Concen: 17.42 ug/l
RT: 11.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

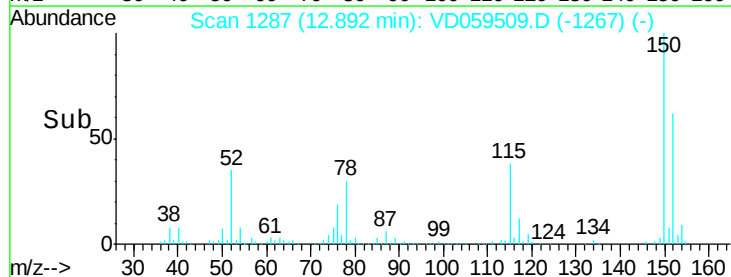
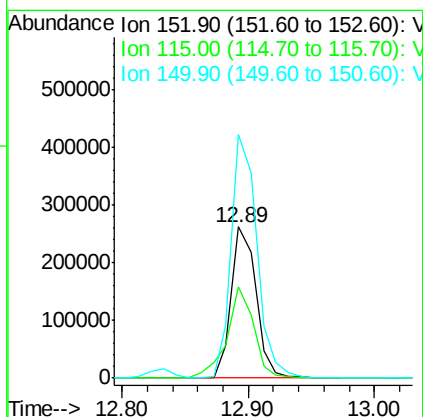
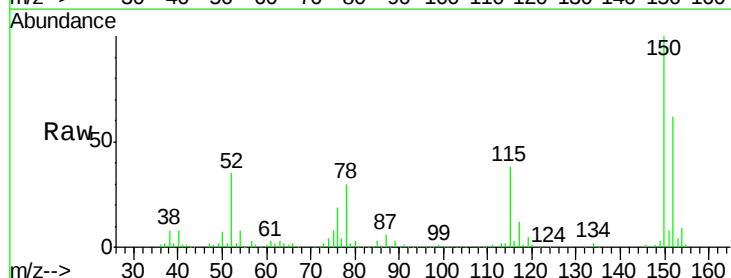
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

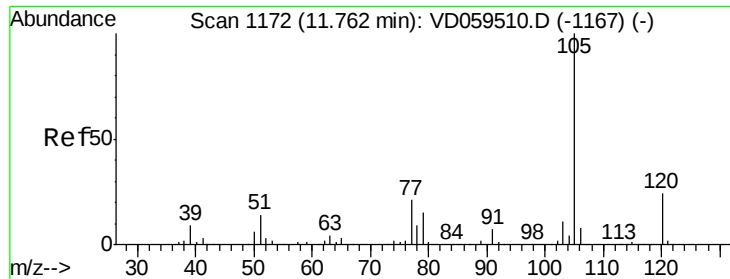
Tot Ion:173 Resp: 73328
Ion Ratio Lower Upper
173 100
175 52.5 23.3 69.8
254 12.6 9.0 13.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion:152 Resp: 354999
Ion Ratio Lower Upper
152 100
115 60.7 31.3 93.9
150 161.4 0.0 323.6





#73

Isopropylbenzene

Concen: 19.72 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

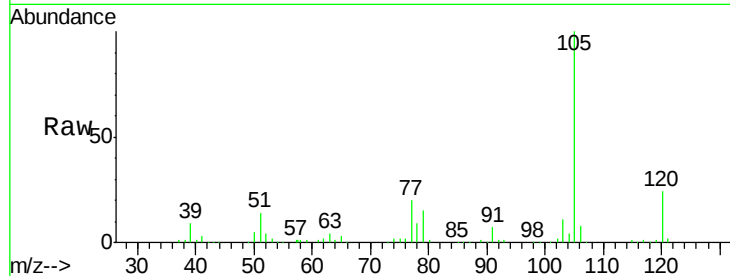
VSTDIC020

Tot Ion:105 Resp: 408445

Ion Ratio Lower Upper

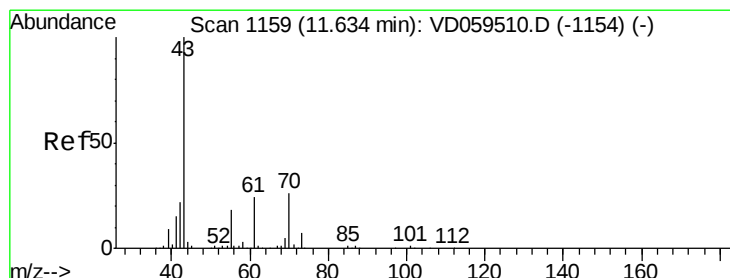
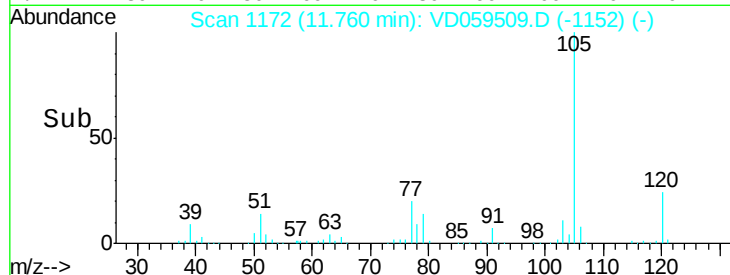
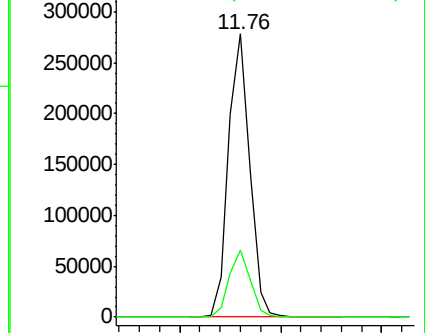
105 100

120 23.5 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.42 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Tgt Ion: 43 Resp: 172468

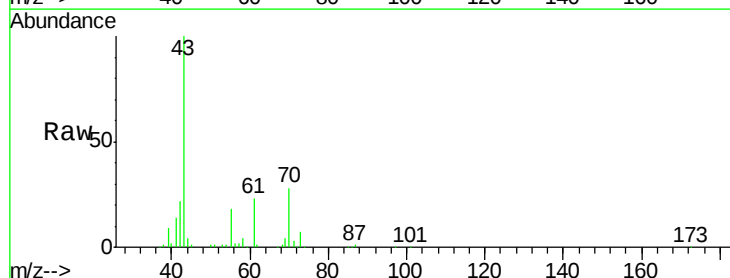
Ion Ratio Lower Upper

43 100

70 28.3 20.6 31.0

55 18.0 14.4 21.6

61 23.3 19.2 28.8

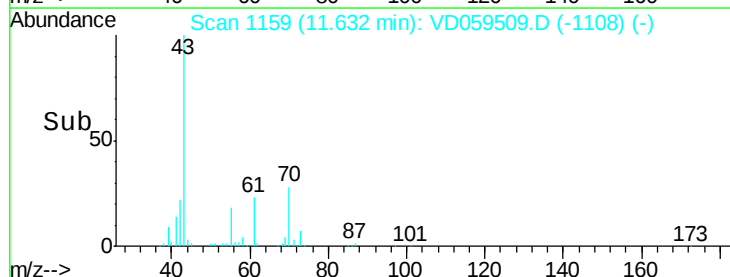
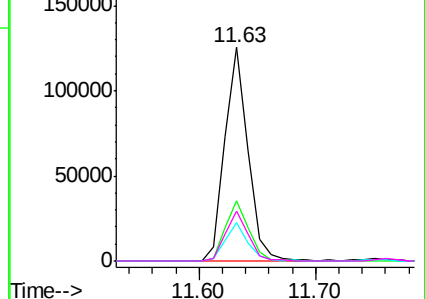


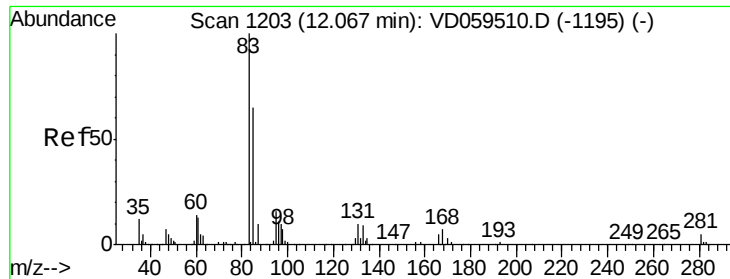
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 20.62 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

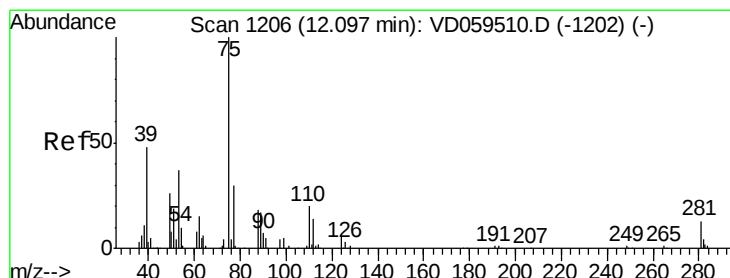
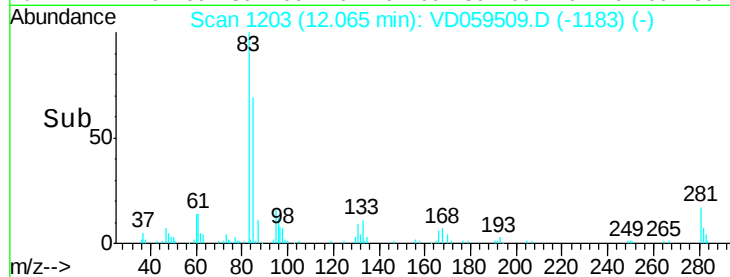
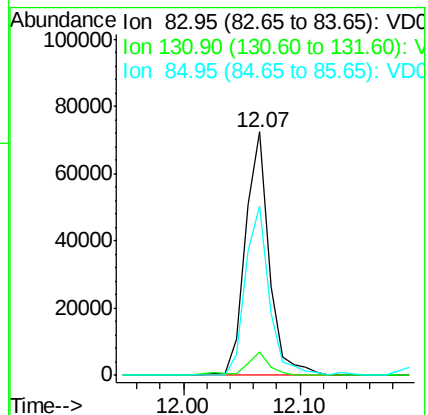
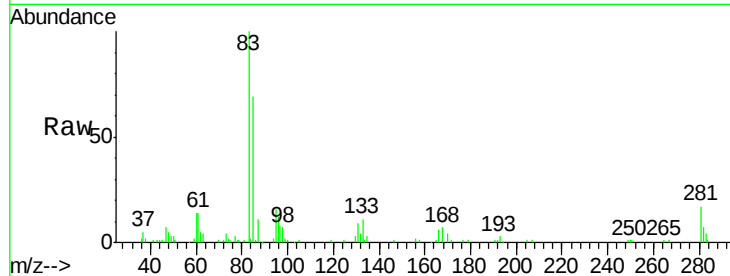
Tot Ion: 83 Resp: 102176

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	15.0
85	69.4	32.3	96.8

83 100

131 9.5 5.0 15.0

85 69.4 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 20.35 ug/l

RT: 12.09 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VD059509.D

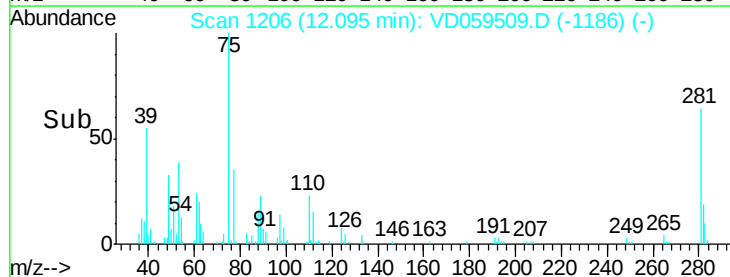
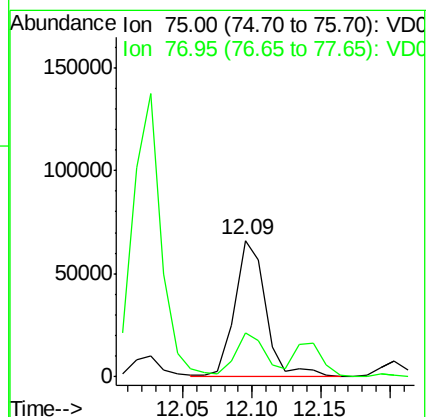
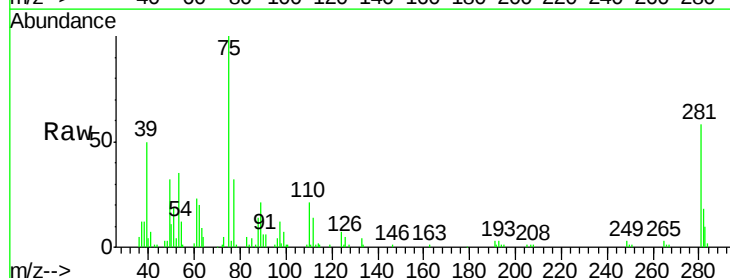
Acq: 2 Jul 2018 18:03

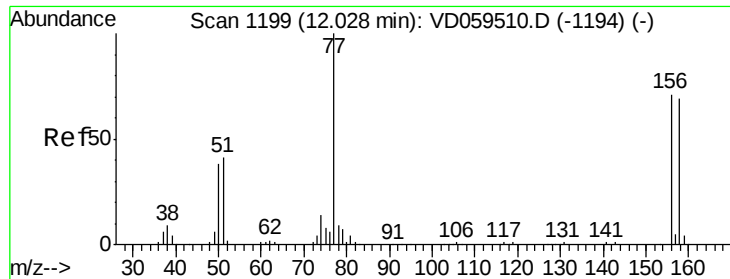
Tgt Ion: 75 Resp: 104469

Ion	Ratio	Lower	Upper
75	100		
77	32.4	16.4	49.2

75 100

77 32.4 16.4 49.2





#77

Bromobenzene

Concen: 20.07 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

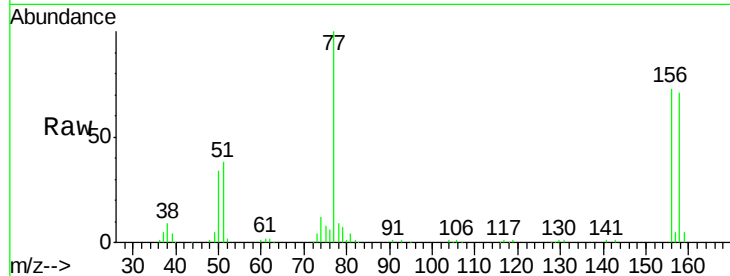
Tot Ion:156 Resp: 130260

Ion Ratio Lower Upper

156 100

77 136.8 70.0 210.0

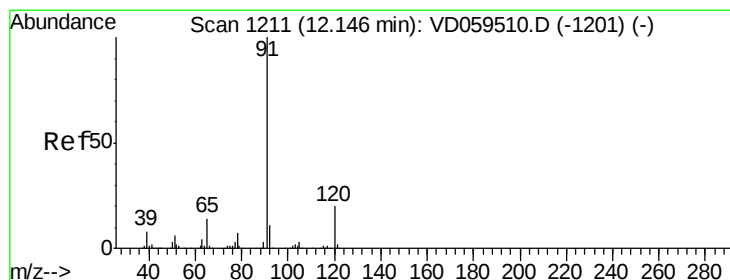
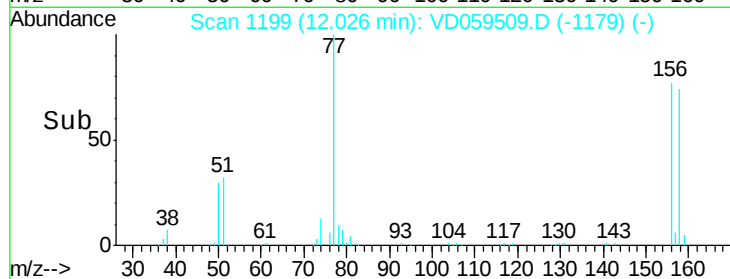
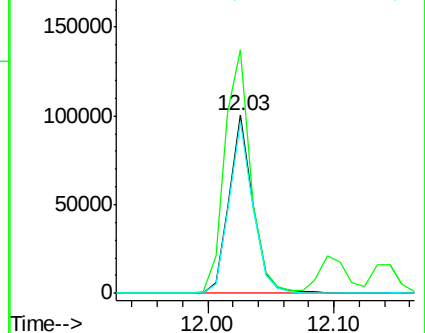
158 96.6 48.3 144.9



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: 20.98 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD059509.D

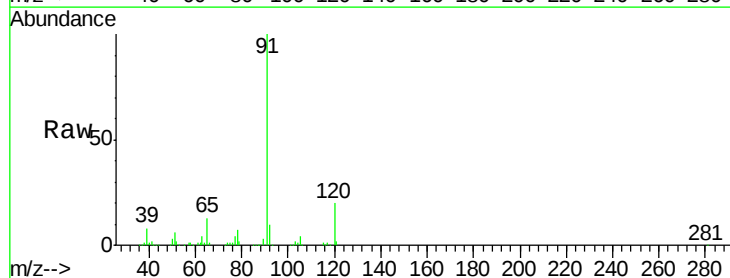
Acq: 2 Jul 2018 18:03

Tgt Ion: 91 Resp: 557461

Ion Ratio Lower Upper

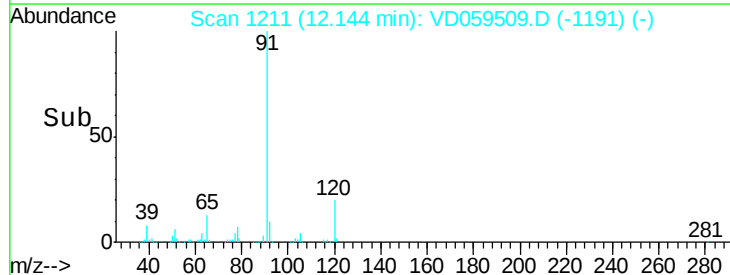
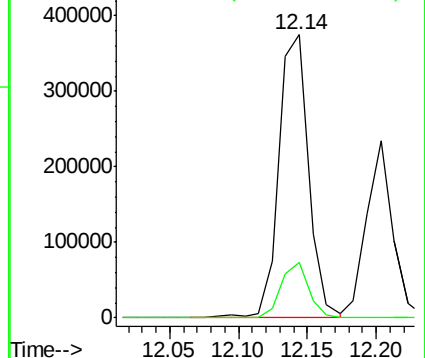
91 100

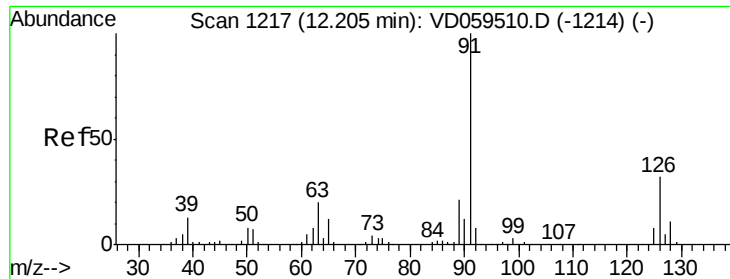
120 19.7 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

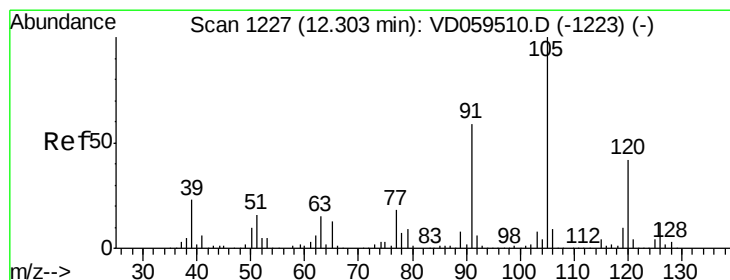
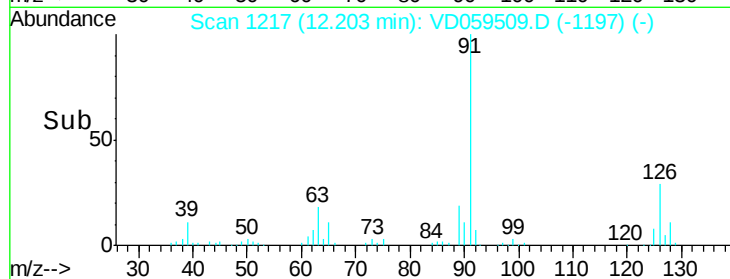
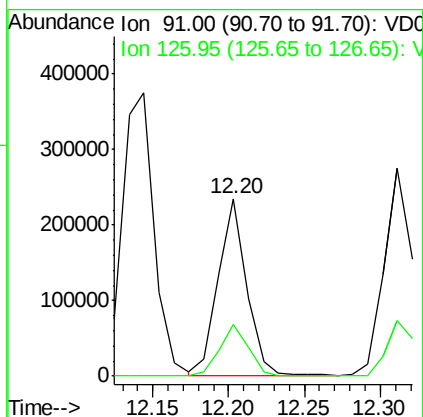
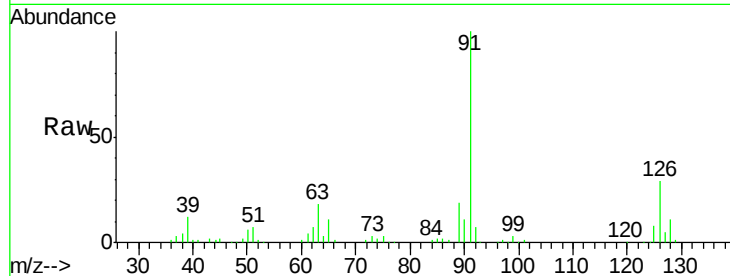




#79
 2-Chlorotoluene
 Concen: 19.73 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

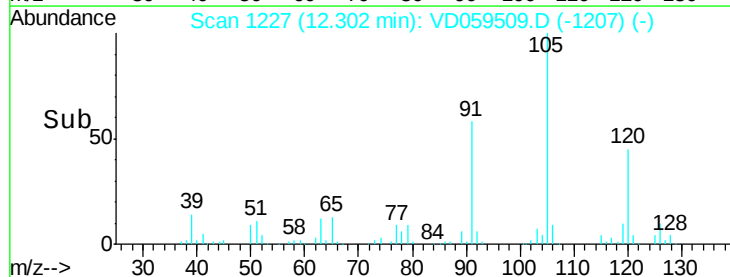
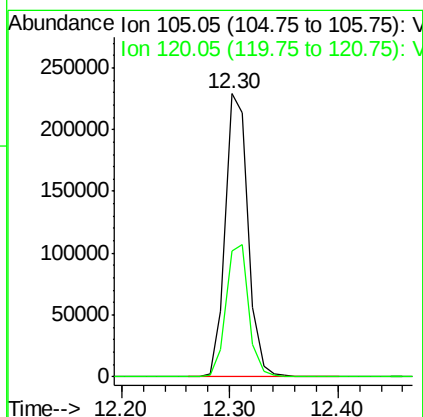
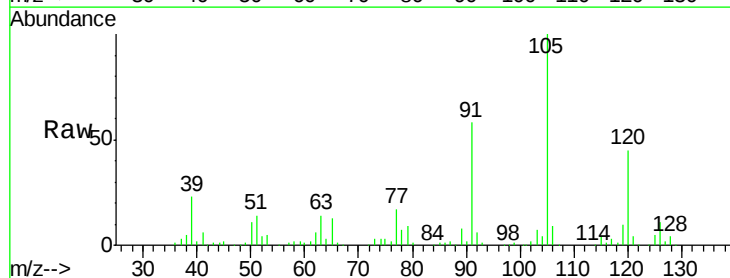
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

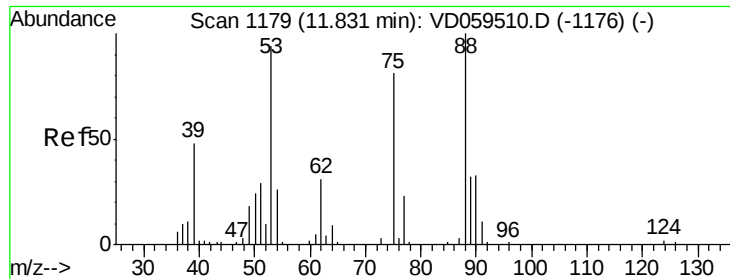
Tot Ion: 91 Resp: 305905
 Ion Ratio Lower Upper
 91 100
 126 29.2 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.20 ug/l
 RT: 12.30 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Tgt Ion: 105 Resp: 335621
 Ion Ratio Lower Upper
 105 100
 120 44.7 20.8 62.4

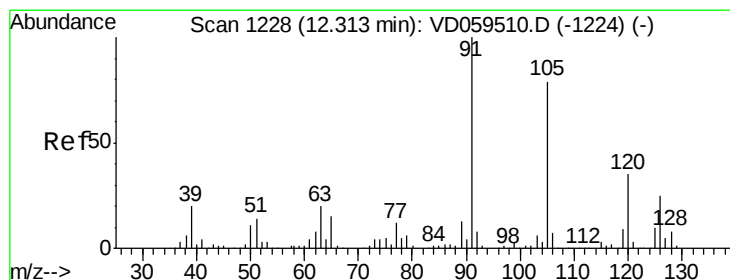
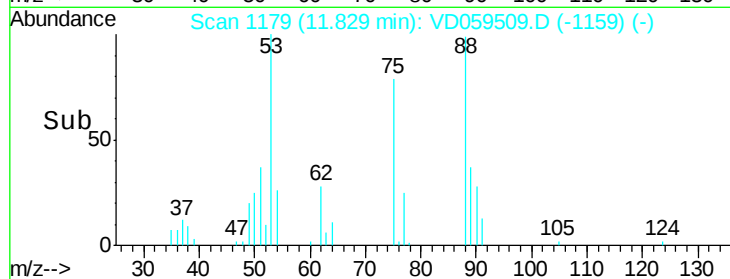
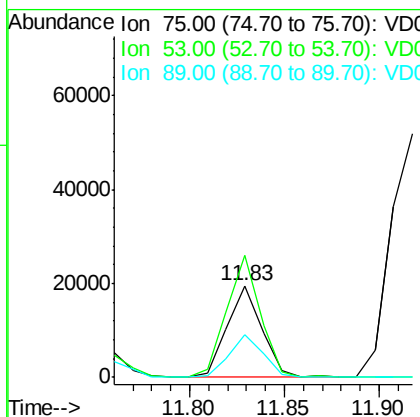
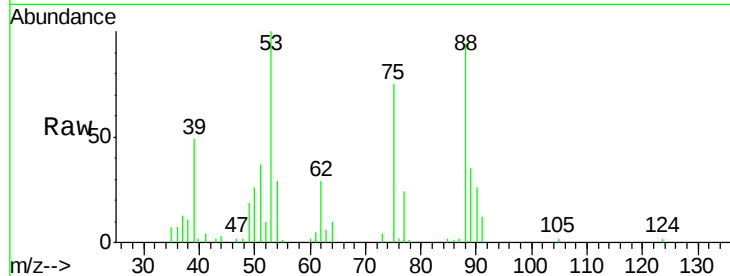




#81
trans-1,4-Dichloro-2-butene
Concen: 20.65 ug/l
RT: 11.83 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

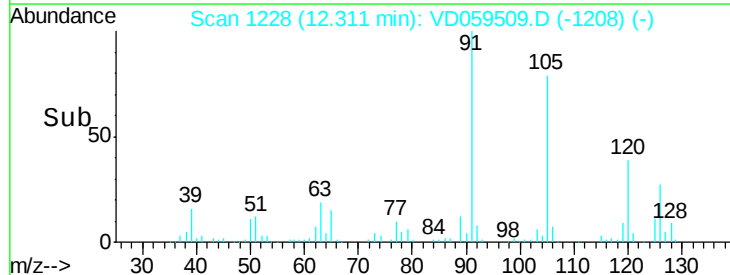
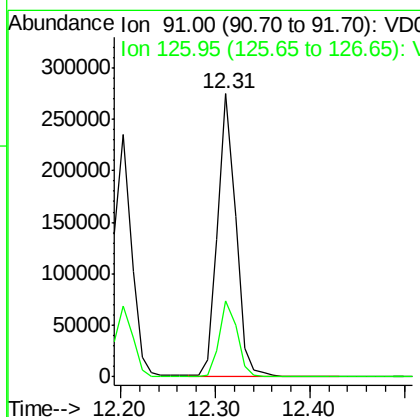
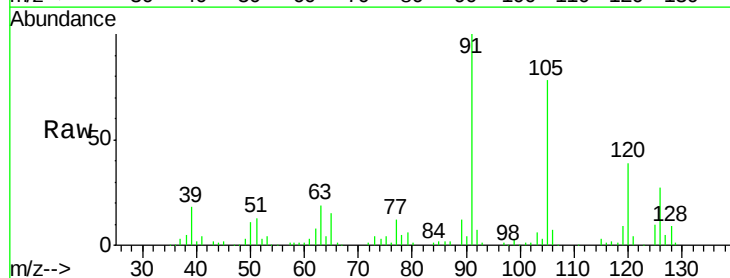
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

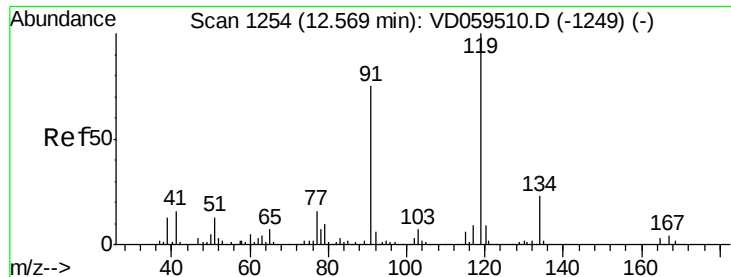
Tot Ion: 75 Resp: 24676
Ion Ratio Lower Upper
75 100
53 133.1 92.6 139.0
89 46.1 31.5 47.3



#82
4-Chlorotoluene
Concen: 20.86 ug/l
RT: 12.31 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion: 91 Resp: 370094
Ion Ratio Lower Upper
91 100
126 26.8 12.3 36.9





#83

tert-Butylbenzene

Concen: 21.45 ug/l

RT: 12.57 min Scan# 1254

Delta R.T. -0.00 min

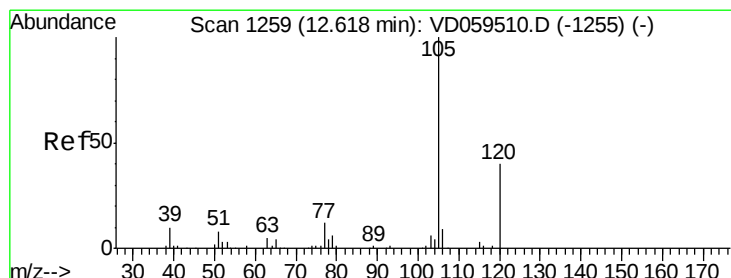
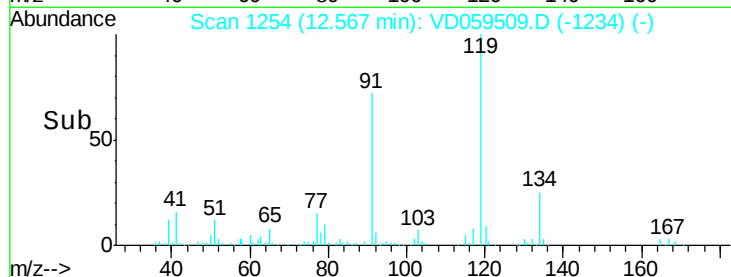
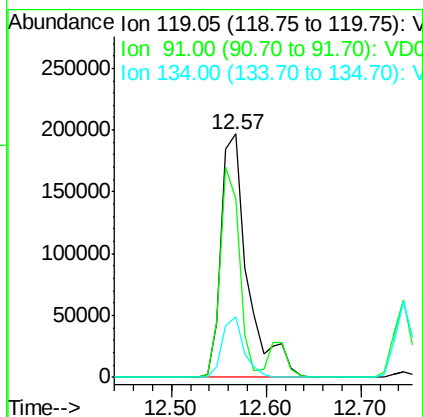
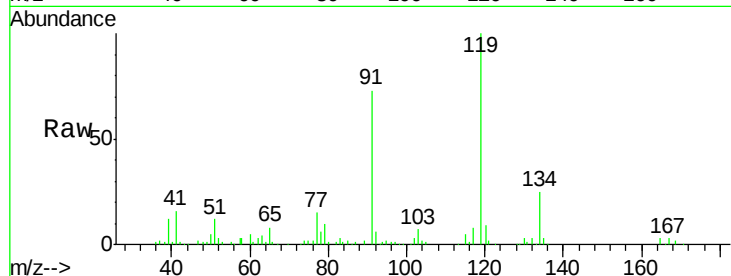
Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:119 Resp: 383342

Ion	Ratio	Lower	Upper
119	100		
91	73.1	37.8	113.3
134	24.8	11.5	34.4



#84

1,2,4-Trimethylbenzene

Concen: 20.68 ug/l

RT: 12.62 min Scan# 1259

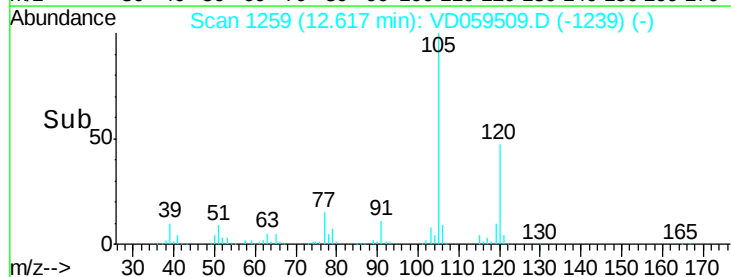
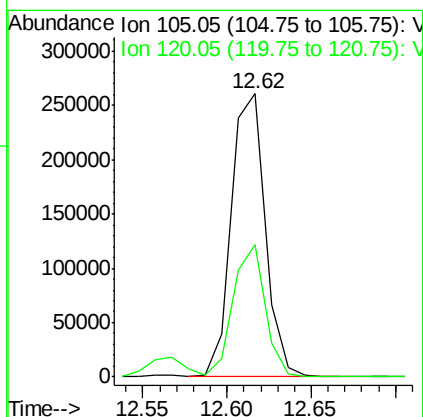
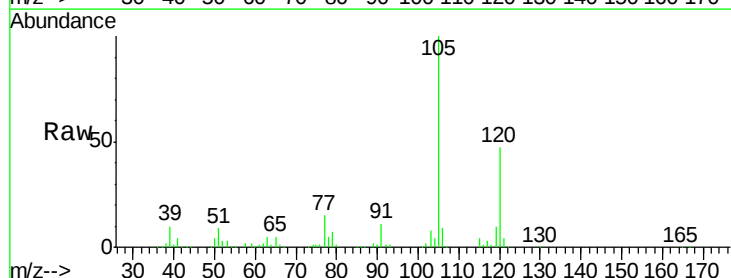
Delta R.T. -0.00 min

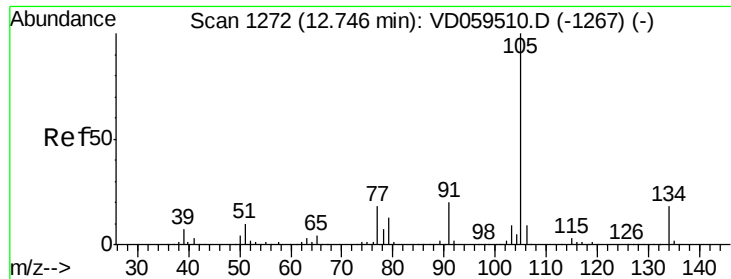
Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Tgt Ion:105 Resp: 362252

Ion	Ratio	Lower	Upper
105	100		
120	47.0	21.1	63.3





#85

sec-Butylbenzene

Concen: 21.35 ug/l

RT: 12.74 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

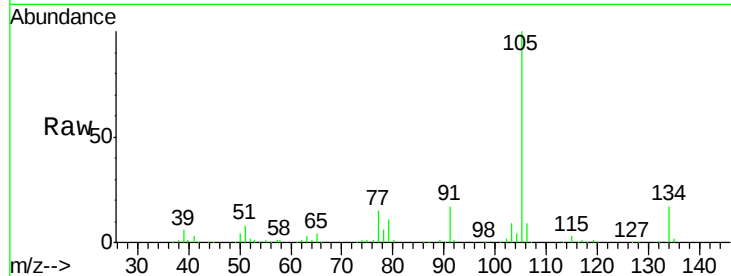
VSTDIC020

Tot Ion:105 Resp: 454198

Ion Ratio Lower Upper

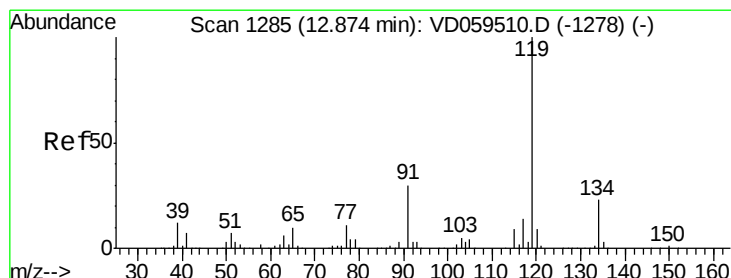
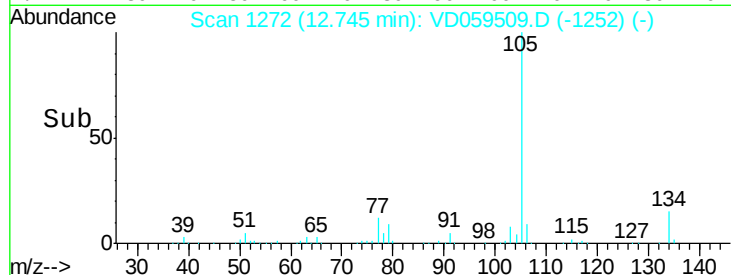
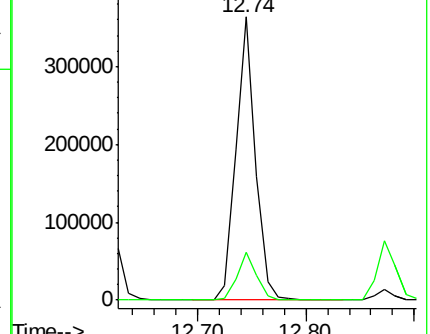
105 100

134 17.0 8.8 26.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.84 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD059509.D

Acq: 2 Jul 2018 18:03

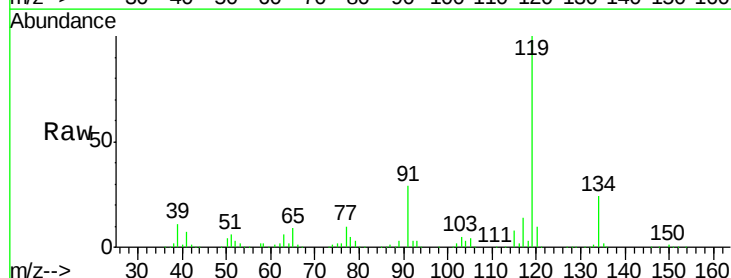
Tgt Ion:119 Resp: 382608

Ion Ratio Lower Upper

119 100

134 23.6 11.6 34.8

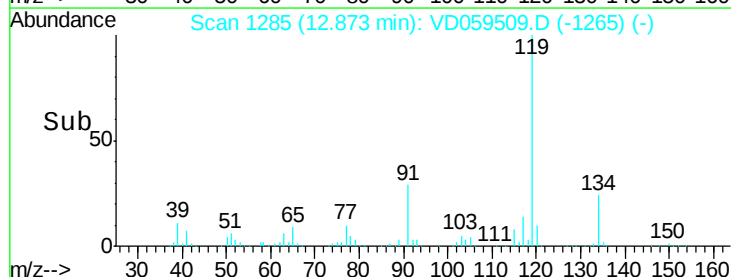
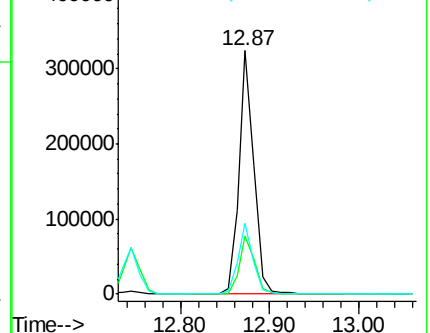
91 29.0 15.3 45.8

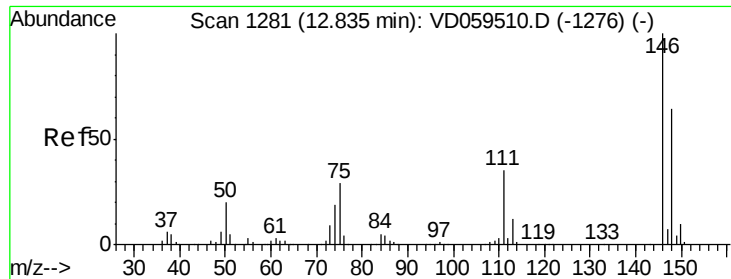


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

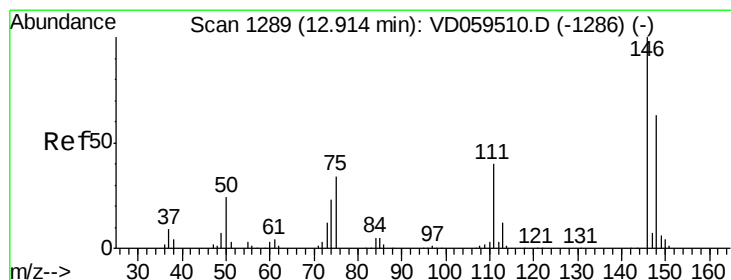
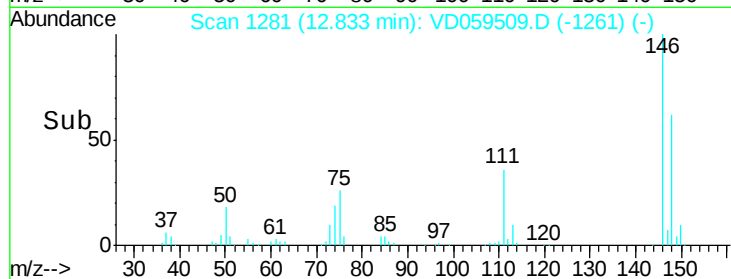
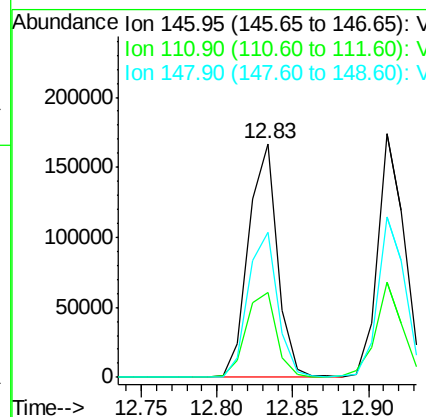
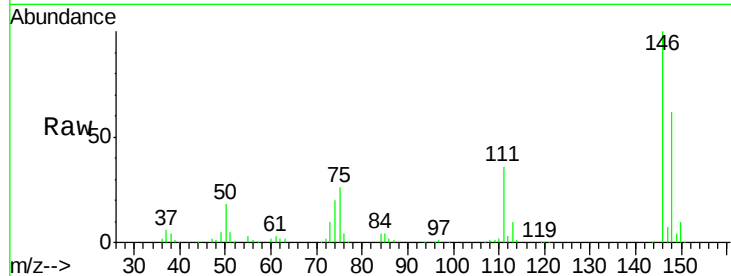




#87
 1,3-Dichlorobenzene
 Concen: 20.59 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

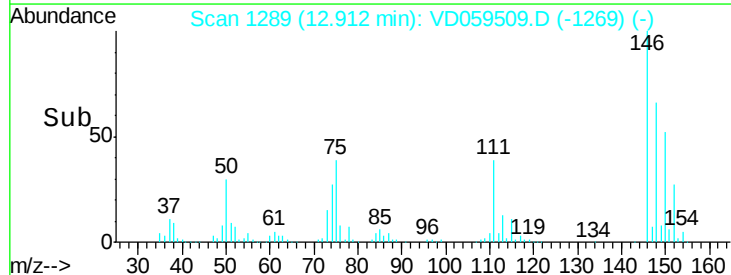
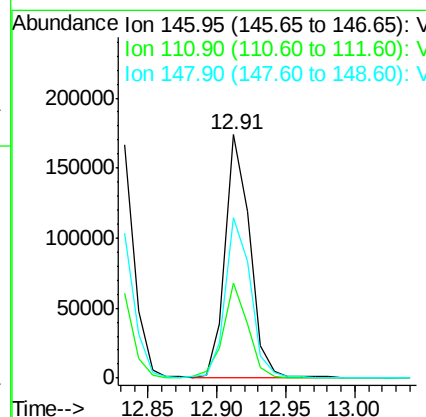
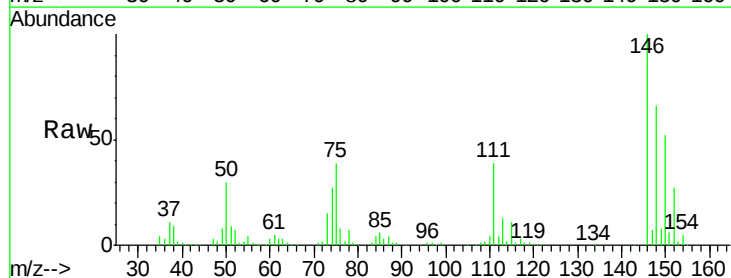
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

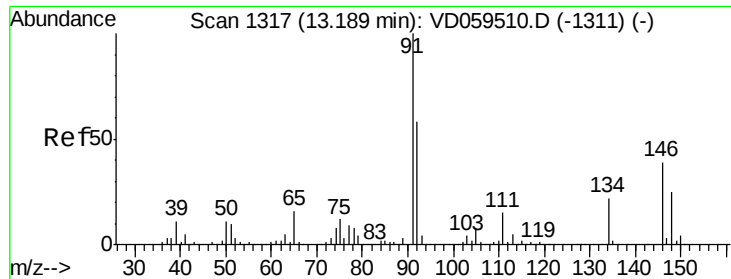
Tot Ion:146 Resp: 222613
 Ion Ratio Lower Upper
 146 100
 111 36.4 17.6 52.9
 148 61.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Tgt Ion:146 Resp: 216572
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.0 59.9
 148 65.7 31.7 95.1

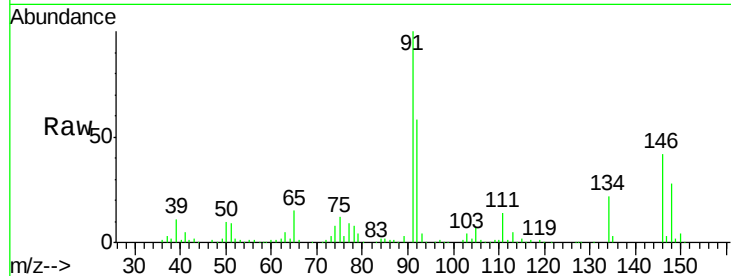




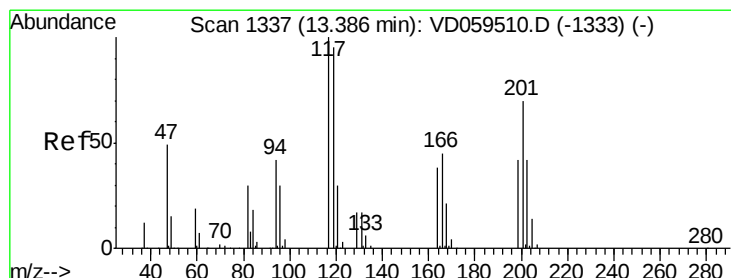
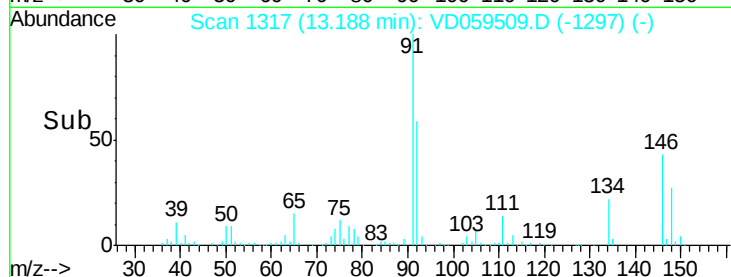
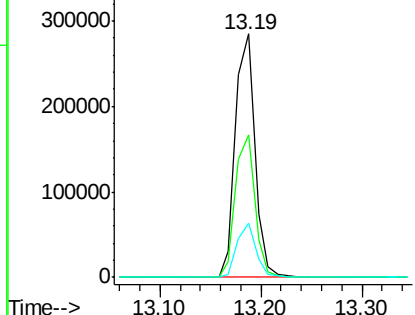
#89
n-Butylbenzene
Concen: 21.90 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 382545
Ion Ratio Lower Upper
91 100
92 58.4 28.9 86.7
134 22.5 11.3 33.8

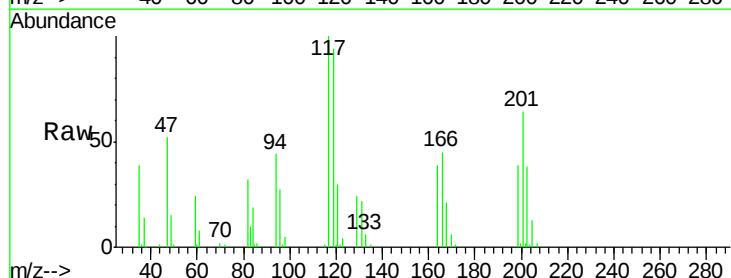


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

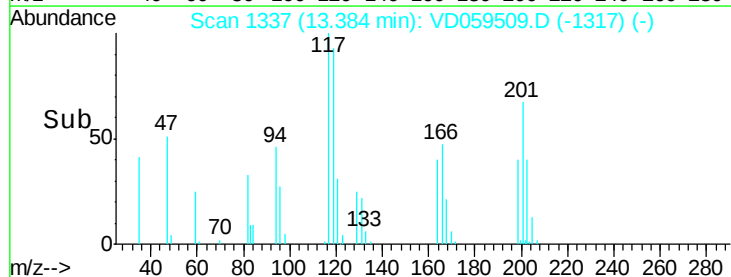
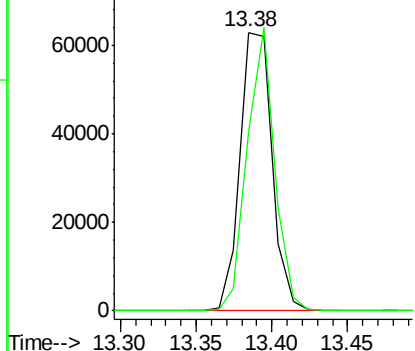


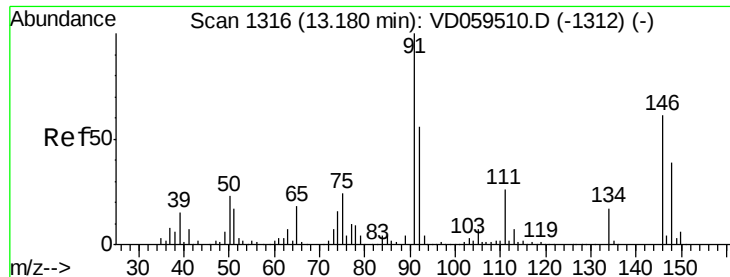
#90
Hexachloroethane
Concen: 21.15 ug/l
RT: 13.38 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion: 117 Resp: 93003
Ion Ratio Lower Upper
117 100
201 64.5 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

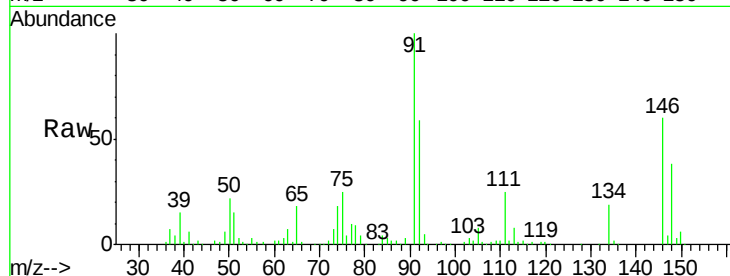




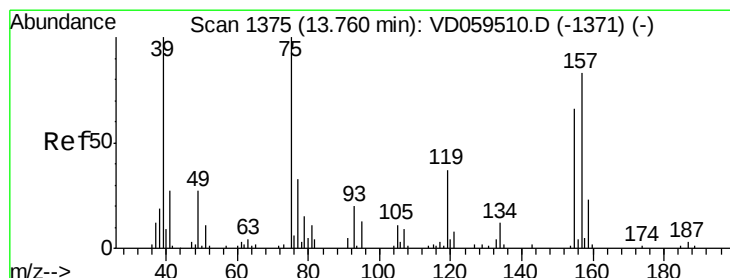
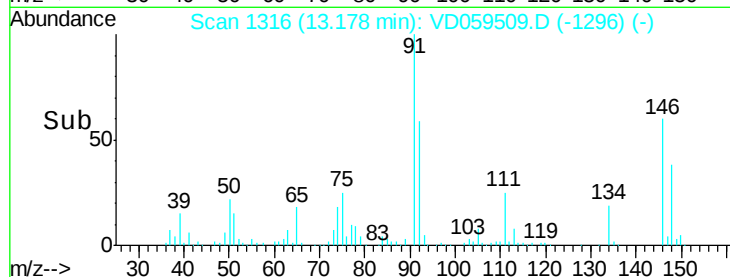
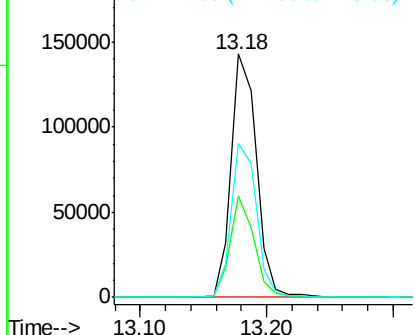
#91
 1,2-Dichlorobenzene
 Concen: 21.64 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 198366
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.3 63.9
 148 63.4 32.4 97.0

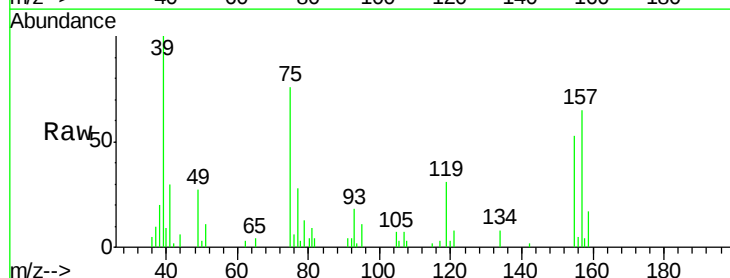


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

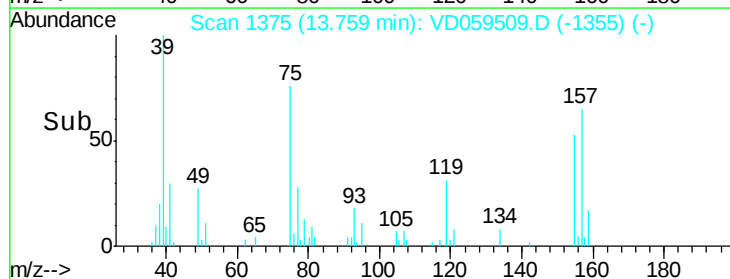
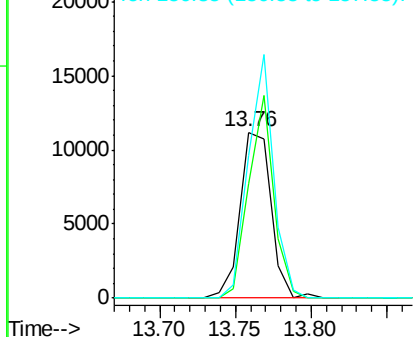


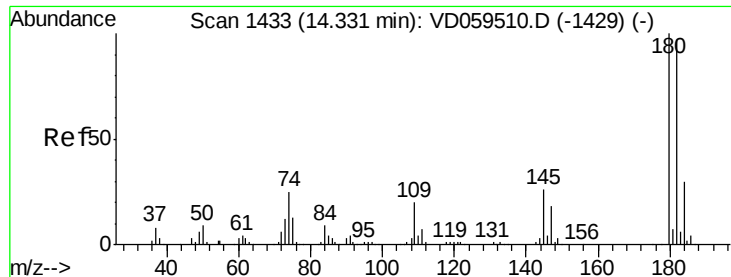
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.54 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Tgt Ion: 75 Resp: 15902
 Ion Ratio Lower Upper
 75 100
 155 69.2 32.8 98.4
 157 85.5 41.5 124.5



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

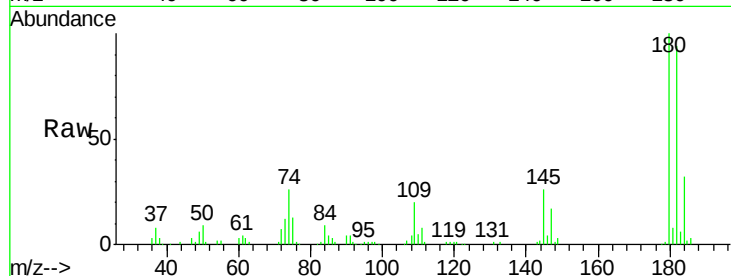




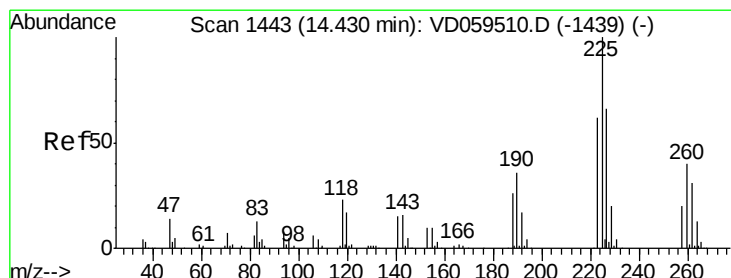
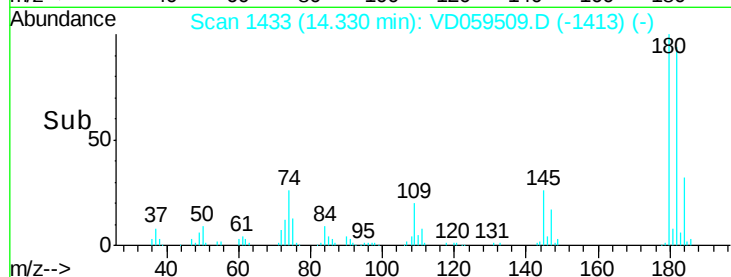
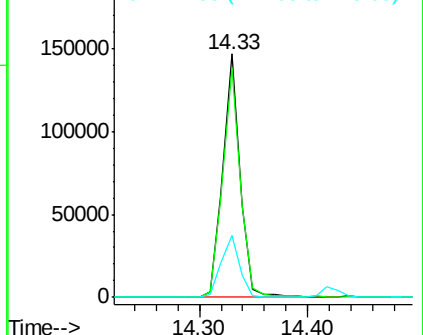
#93
 1,2,4-Trichlorobenzene
 Concen: 19.73 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 164322
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.7 146.1
 145 25.5 13.2 39.6

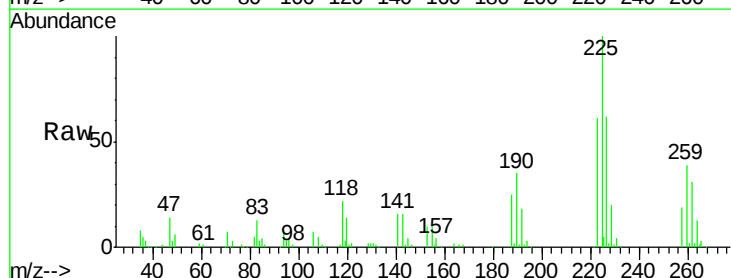


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

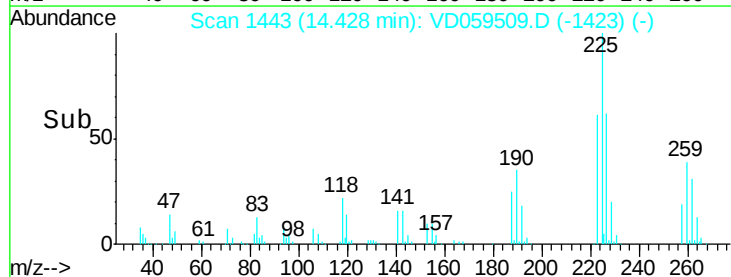
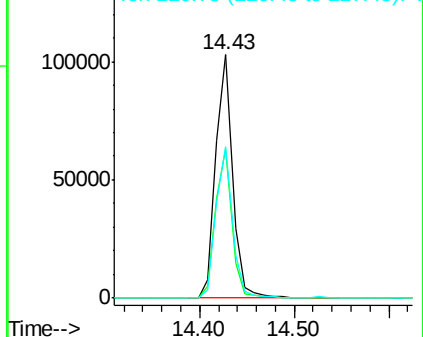


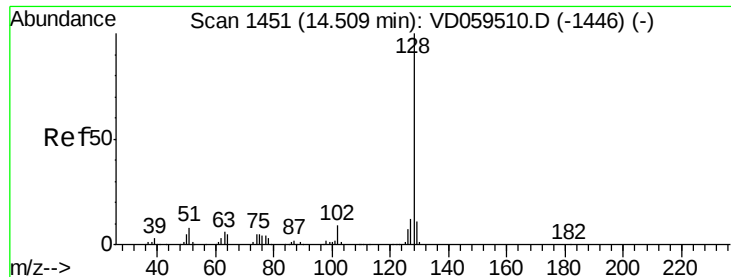
#94
 Hexachlorobutadiene
 Concen: 20.43 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059509.D
 Acq: 2 Jul 2018 18:03

Tgt Ion:225 Resp: 128151
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.0 93.0
 227 62.0 33.1 99.5



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

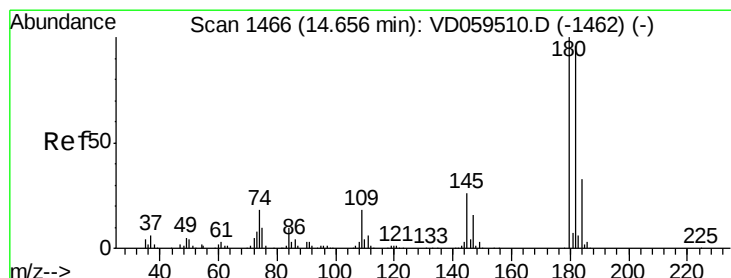
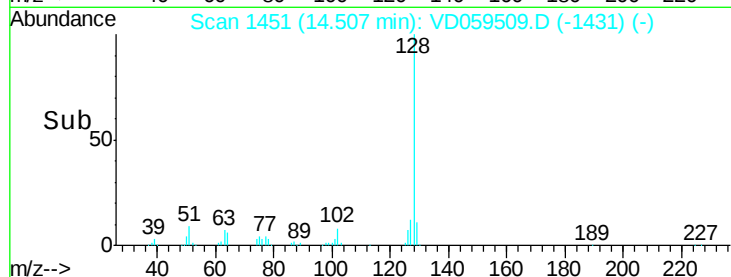
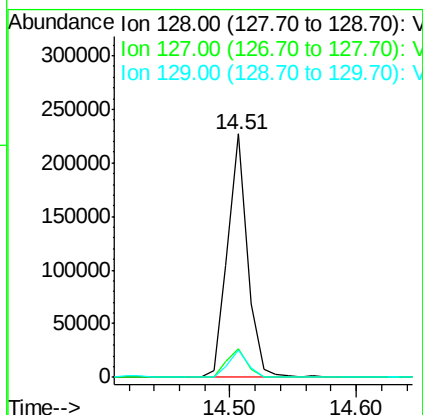
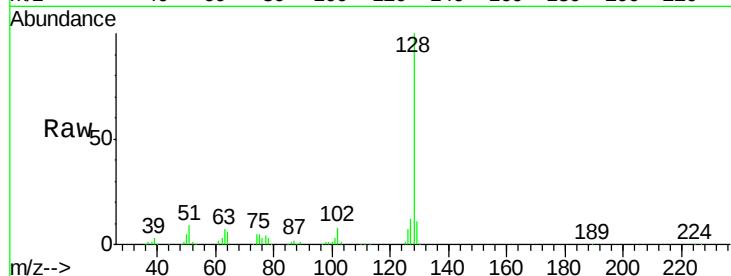




#95
Naphthalene
Concen: 20.94 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 248743
Ion Ratio Lower Upper
128 100
127 11.6 9.8 14.8
129 11.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.92 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059509.D
Acq: 2 Jul 2018 18:03

Tgt Ion:180 Resp: 141970
Ion Ratio Lower Upper
180 100
182 103.8 48.1 144.4
145 28.2 13.2 39.6

