

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059979.D
 Acq On : 6 Sep 2018 11:40
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 07 03:43:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1279413	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1743301	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	1491044	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	787224	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	514592	47.72	ug/l	-0.04
Spiked Amount			Recovery	=	95.44%	
35) Dibromofluoromethane	6.30	113	725273	53.07	ug/l	-0.04
Spiked Amount			Recovery	=	106.14%	
50) Toluene-d8	9.44	98	1946494	51.32	ug/l	-0.03
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.42	95	794818	51.59	ug/l	-0.02
Spiked Amount			Recovery	=	103.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	382287	33.43	ug/l	100
3) Chloromethane	1.74	50	400729	38.68	ug/l	97
4) Vinyl Chloride	1.83	62	337262	41.52	ug/l	98
5) Bromomethane	2.12	94	50983	36.35	ug/l	92
6) Chloroethane	2.22	64	109873	39.74	ug/l	99
7) Trichlorofluoromethane	2.48	101	423603	45.07	ug/l	99
8) Diethyl Ether	2.79	74	102093	48.42	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.06	101	280427	48.72	ug/l	96
10) Methyl Iodide	3.21	142	277507	45.59	ug/l	97
11) Tert butyl alcohol	3.95	59	226626	275.43	ug/l	100
12) 1,1-Dichloroethene	3.04	96	212610	47.45	ug/l	98
13) Acrolein	2.95	56	84938	238.01	ug/l	94
14) Allyl chloride	3.50	41	509288	50.24	ug/l	98
15) Acrylonitrile	4.05	53	814630	264.39	ug/l	99
16) Acetone	3.13	43	581381	295.92	ug/l	99
17) Carbon Disulfide	3.28	76	588543	42.32	ug/l	99
18) Methyl Acetate	3.52	43	232924	56.79	ug/l	96
19) Methyl tert-butyl Ether	4.09	73	1305062	51.49	ug/l	99
20) Methylene Chloride	3.68	84	717115	55.07	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	605237	49.03	ug/l	97
22) Diisopropyl ether	4.82	45	2558656	49.49	ug/l	99
23) Vinyl Acetate	4.77	43	7134092	246.86	ug/l	99
24) 1,1-Dichloroethane	4.72	63	1104188	49.44	ug/l	100
25) 2-Butanone	5.60	43	1554962	267.24	ug/l	95
26) 2,2-Dichloropropane	5.56	77	879290	47.10	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	698761	51.70	ug/l	93
28) Bromochloromethane	5.89	49	512775	47.91	ug/l	96
29) Tetrahydrofuran	5.92	42	718498	259.38	ug/l	97
30) Chloroform	6.07	83	1122207	49.44	ug/l	98
31) Cyclohexane	6.34	56	879465	42.83	ug/l	100
32) 1,1,1-Trichloroethane	6.27	97	902643	46.86	ug/l	98
36) 1,1-Dichloropropene	6.49	75	759503	48.06	ug/l	99
37) Ethyl Acetate	5.67	43	637026	51.80	ug/l	99
38) Carbon Tetrachloride	6.47	117	749347	46.99	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	837710	49.06	ug/l	96
40) Benzene	6.77	78	2096785	51.03	ug/l	100
41) Methacrylonitrile	5.92	41	723059	116.73	ug/l #	79
42) 1,2-Dichloroethane	6.87	62	653003	49.50	ug/l	98
43) Isopropyl Acetate	8.33	43	831257	51.96	ug/l #	97
44) Trichloroethene	7.71	130	647355	53.51	ug/l	98
45) 1,2-Dichloropropane	8.09	63	593277	51.65	ug/l	99
46) Dibromomethane	8.20	93	388220	52.57	ug/l	95
47) Bromodichloromethane	8.47	83	846962	50.66	ug/l	98
48) Methyl methacrylate	8.23	41	468268	50.21	ug/l	98
49) 1,4-Dioxane	8.21	88	96165	1154.98	ug/l #	87
51) 4-Methyl-2-Pentanone	9.33	43	3291030	275.93	ug/l	100
52) Toluene	9.54	92	1378431	52.31	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	781294	50.52	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	917257	51.16	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	492159	51.10	ug/l	98
56) Ethyl methacrylate	10.02	69	576791	51.89	ug/l	97
57) 1,3-Dichloropropane	10.37	76	730946	52.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1441173	270.27	ug/l	97
59) 2-Hexanone	10.48	43	2434389	276.72	ug/l	98
60) Dibromochloromethane	10.63	129	614117	50.73	ug/l	98
61) 1,2-Dibromoethane	10.75	107	516620	53.05	ug/l	98
64) Tetrachloroethene	10.23	164	580127	50.32	ug/l	99
65) Chlorobenzene	11.31	112	1542100	52.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	539088	49.80	ug/l	97
67) Ethyl Benzene	11.41	91	2474918	49.65	ug/l	99
68) m/p-Xylenes	11.56	106	1843064	101.55	ug/l	96
69) o-Xylene	11.93	106	927575	52.25	ug/l	98
70) Styrene	11.95	104	1579731	51.40	ug/l	99
71) Bromoform	12.10	173	467256	49.89	ug/l	100
73) Isopropylbenzene	12.27	105	2482492	49.40	ug/l	97
74) N-amyl acetate	12.12	43	1047560	47.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	596816	51.35	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	603110	49.29	ug/l	100
77) Bromobenzene	12.54	156	730314	52.42	ug/l	81
78) n-propylbenzene	12.64	91	3035187	47.70	ug/l	96
79) 2-Chlorotoluene	12.69	91	1755577	48.79	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	1957344	48.99	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.33	75	180541	47.44	ug/l	99
82) 4-Chlorotoluene	12.80	91	1991571	48.52	ug/l	97
83) tert-Butylbenzene	13.04	119	2255622	49.56	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2012865	48.34	ug/l	98
85) sec-Butylbenzene	13.22	105	2551427	47.67	ug/l	98
86) p-Isopropyltoluene	13.33	119	2162543	49.68	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1274847	51.25	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1279665	51.56	ug/l	98
89) n-Butylbenzene	13.64	91	2171755	52.95	ug/l	98
90) Hexachloroethane	13.86	117	554568	47.45	ug/l	75
91) 1,2-Dichlorobenzene	13.66	146	1104126	52.20	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	82037	45.90	ug/l	87

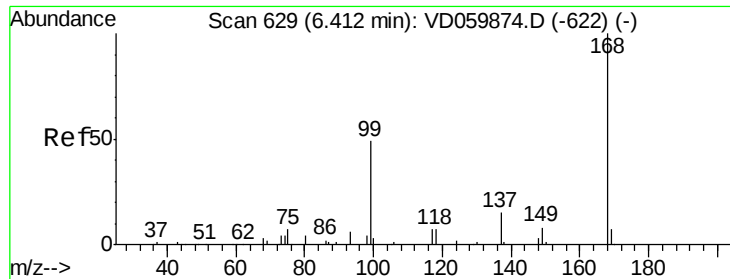
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	940719	51.95	ug/l	98
94) Hexachlorobutadiene	14.88	225	622500	52.44	ug/l	100
95) Naphthalene	14.96	128	1460363	52.77	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	818951	52.88	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

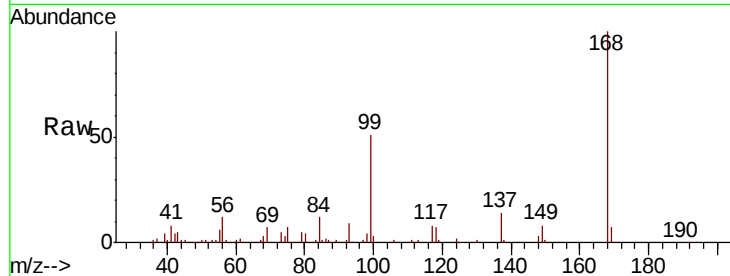
VSTDCCC050

Tot Ion:168 Resp: 1279413

Ion Ratio Lower Upper

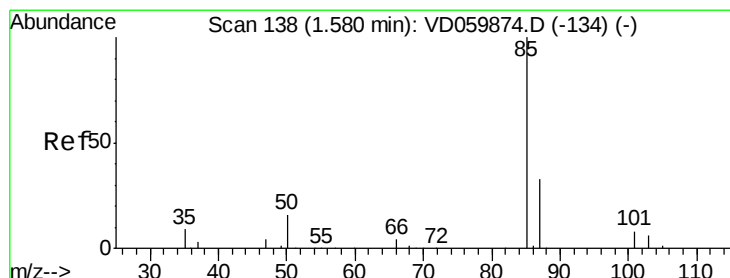
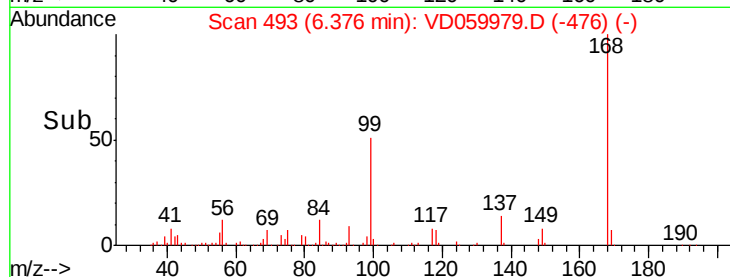
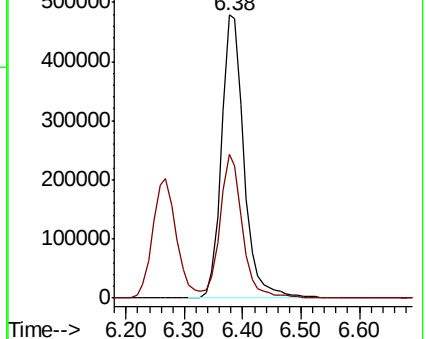
168 100

99 50.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 33.43 ug/l

RT: 1.56 min Scan# 4

Delta R.T. -0.02 min

Lab File: VD059979.D

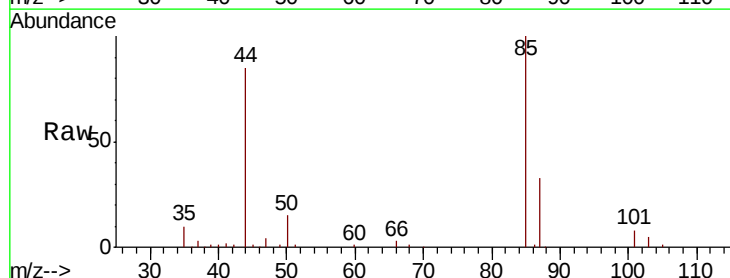
Acq: 6 Sep 2018 11:40

Tgt Ion: 85 Resp: 382287

Ion Ratio Lower Upper

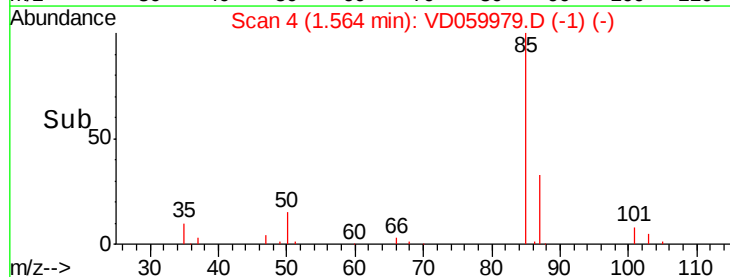
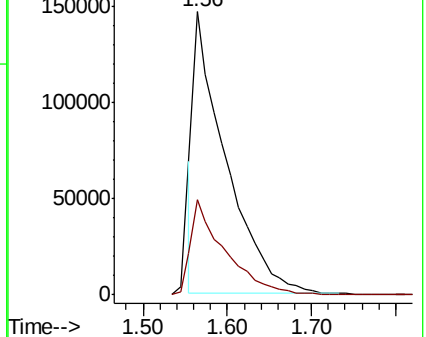
85 100

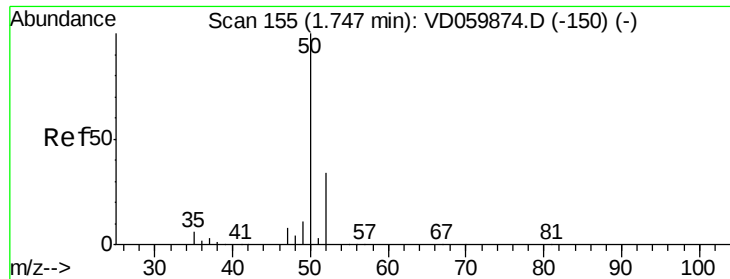
87 33.5 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 38.68 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.01 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

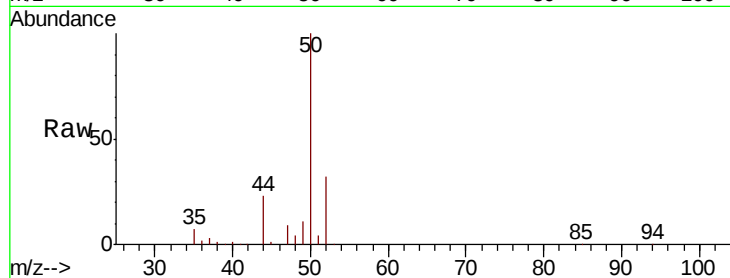
VSTDCCC050

Tot Ion: 50 Resp: 400729

Ion Ratio Lower Upper

50 100

52 31.9 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

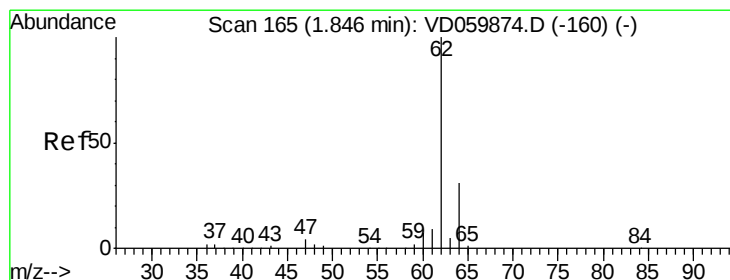
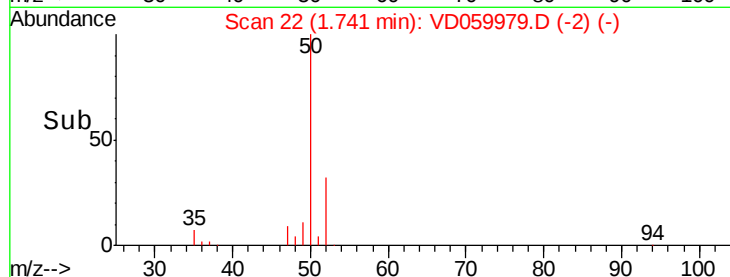
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 41.52 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.02 min

Lab File: VD059979.D

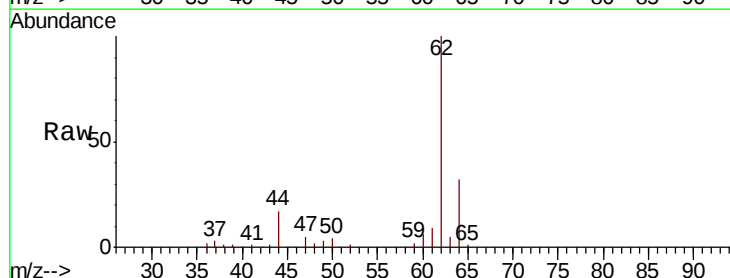
Acq: 6 Sep 2018 11:40

Tgt Ion: 62 Resp: 337262

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.83

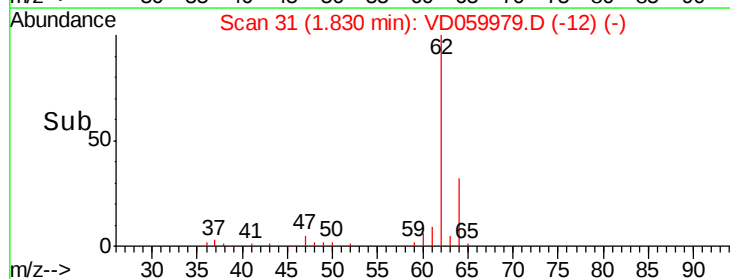
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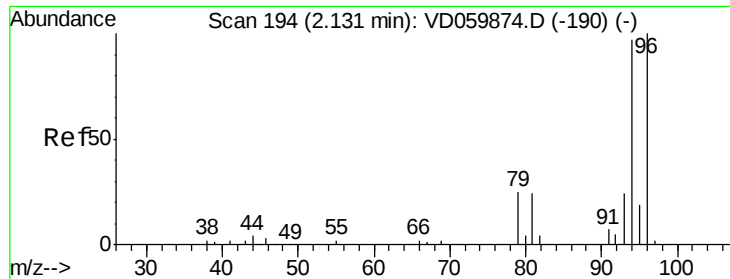
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50000

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Time-->

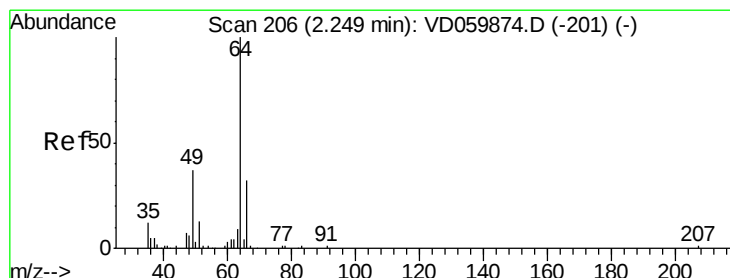
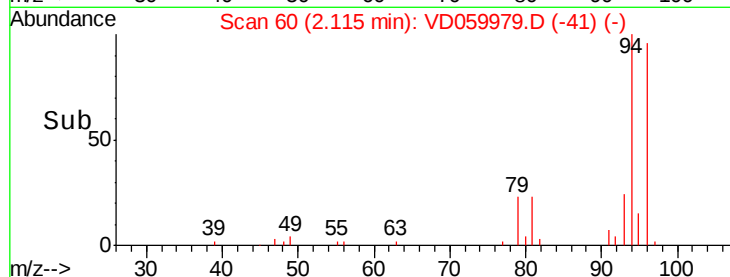
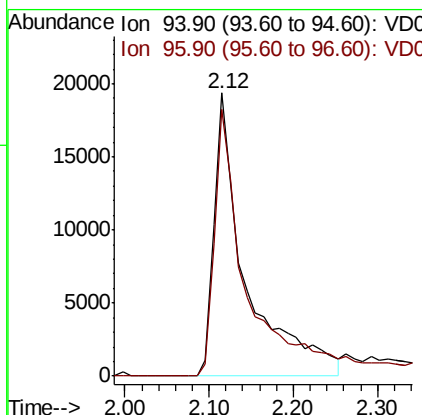
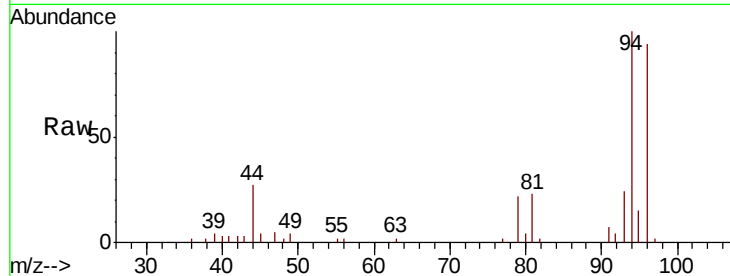




#5
 Bromomethane
 Concen: 36.35 ug/l
 RT: 2.12 min Scan# 60
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

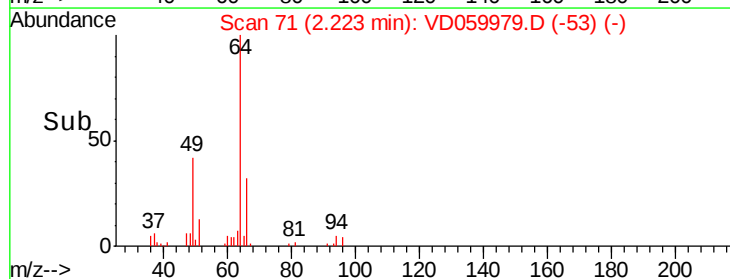
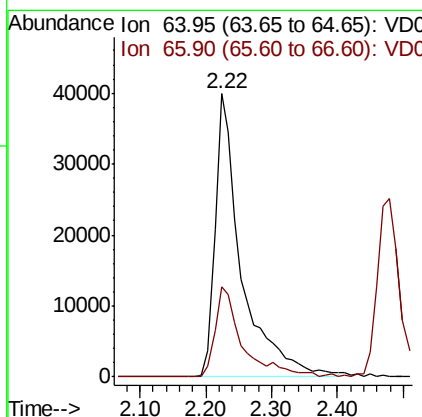
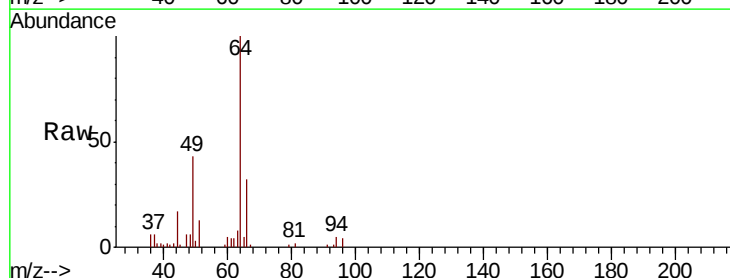
Instrument :
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 VSTDCCC050

Tot Ion: 94 Resp: 50983
 Ion Ratio Lower Upper
 94 100
 96 94.4 82.4 123.6



#6
 Chloroethane
 Concen: 39.74 ug/l
 RT: 2.22 min Scan# 71
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion: 64 Resp: 109873
 Ion Ratio Lower Upper
 64 100
 66 32.0 25.3 37.9





#7

Trichlorofluoromethane

Concen: 45.07 ug/l

RT: 2.48 min Scan# 97

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

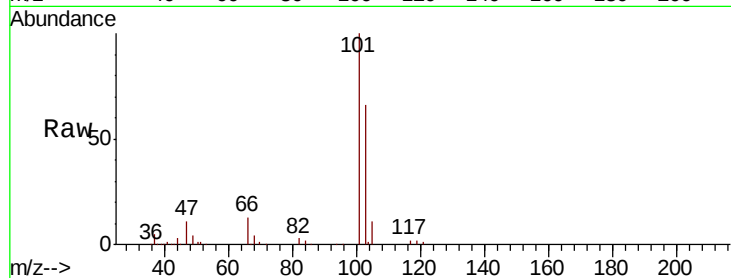
VSTDCCC050

Tot Ion:101 Resp: 423603

Ion Ratio Lower Upper

101 100

103 66.5 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.48

200000

150000

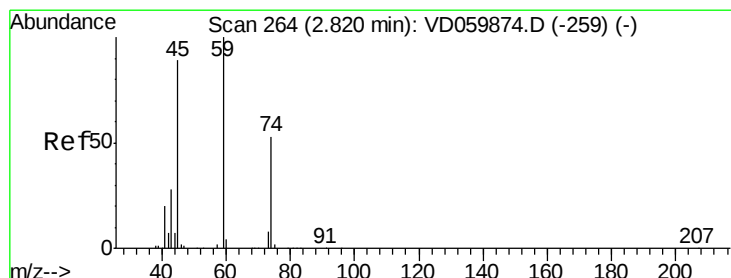
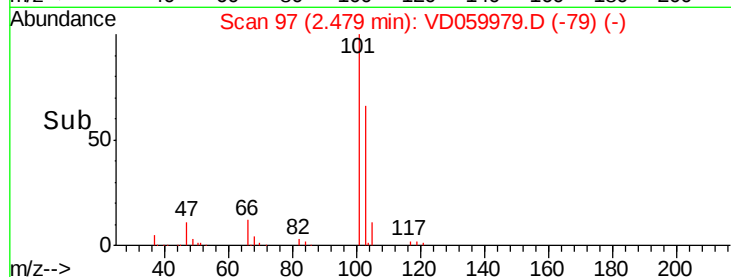
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50000

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Time-->

2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 48.42 ug/l

RT: 2.79 min Scan# 129

Delta R.T. -0.03 min

Lab File: VD059979.D

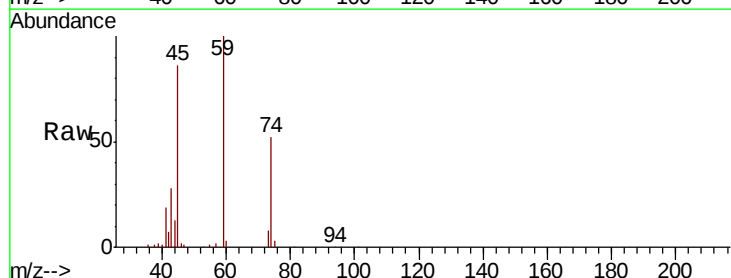
Acq: 6 Sep 2018 11:40

Tgt Ion: 74 Resp: 102093

Ion Ratio Lower Upper

74 100

45 165.0 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

80000

60000

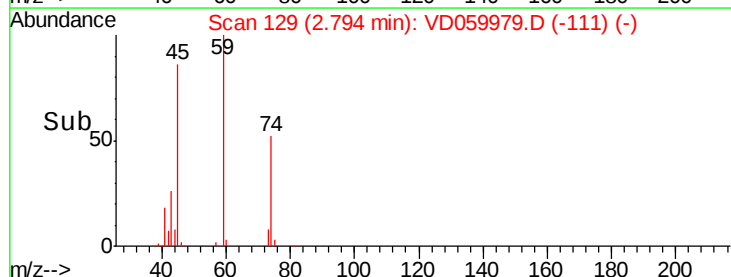
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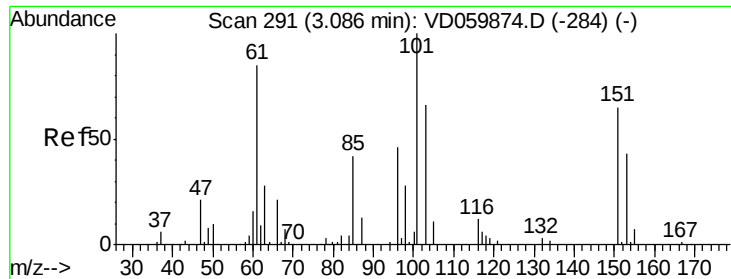
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Time-->

2.70 2.80 2.90 3.00





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.72 ug/l

RT: 3.06 min Scan# 156

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

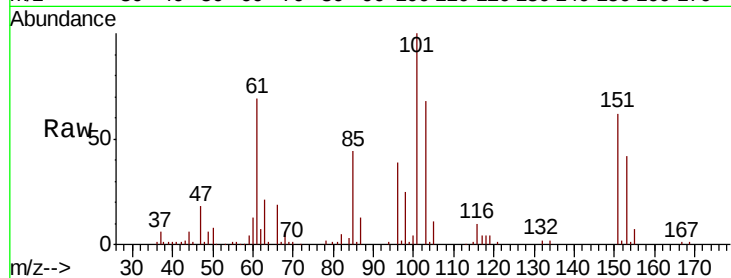
Tot Ion:101 Resp: 280427

Ion Ratio Lower Upper

101 100

85 43.9 33.6 50.4

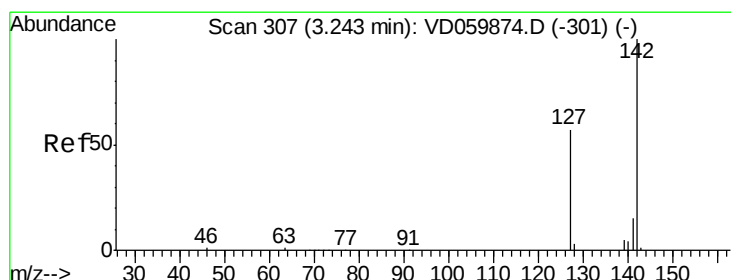
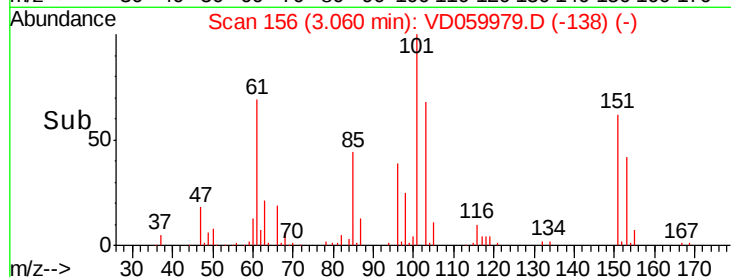
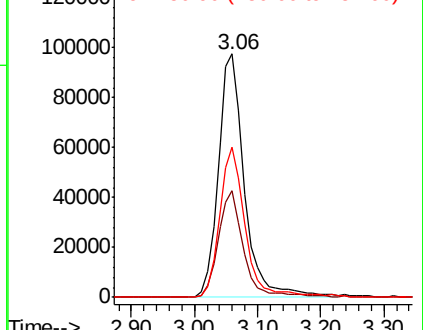
151 61.9 52.0 78.0



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: 45.59 ug/l

RT: 3.21 min Scan# 171

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

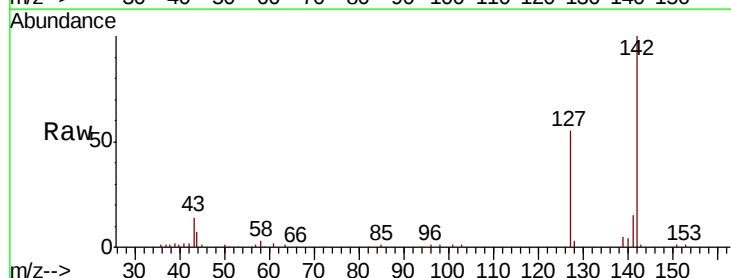
Tgt Ion:142 Resp: 277507

Ion Ratio Lower Upper

142 100

127 54.9 45.8 68.6

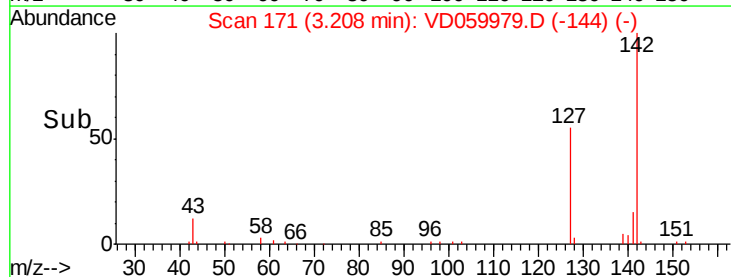
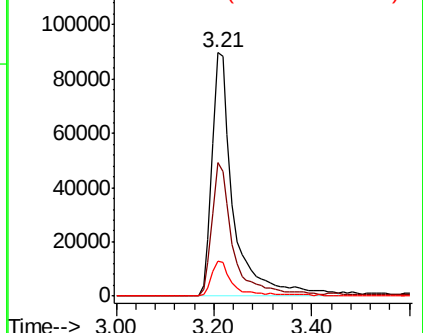
141 14.5 11.6 17.4

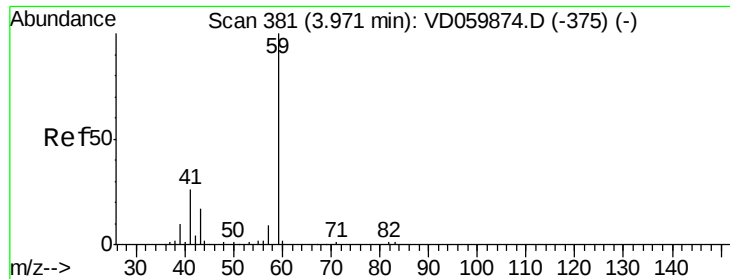


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

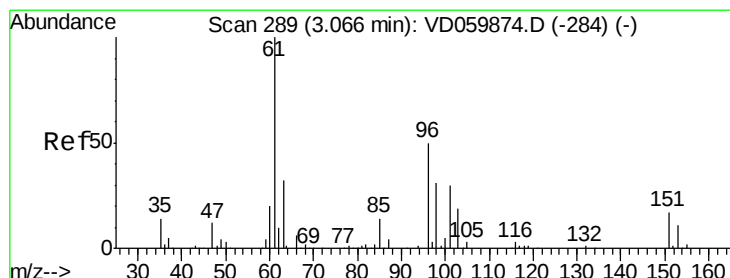
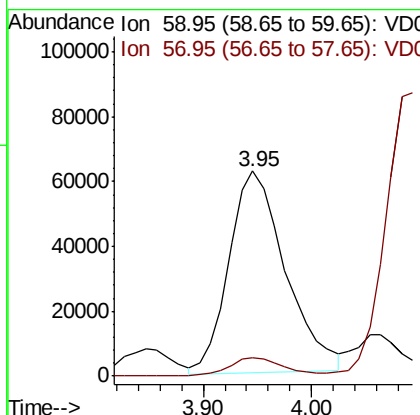
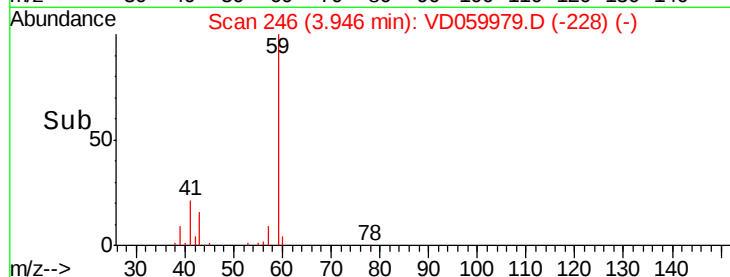
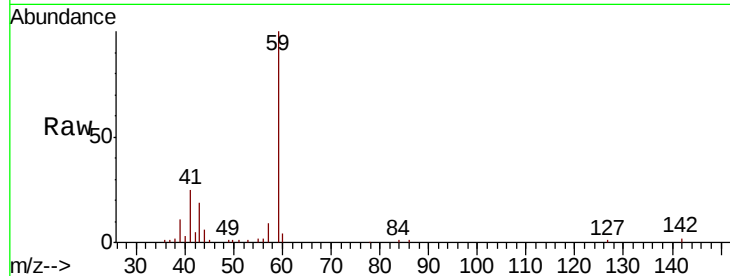




#11
Tert butyl alcohol
Concen: 275.43 ug/l
RT: 3.95 min Scan# 246
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

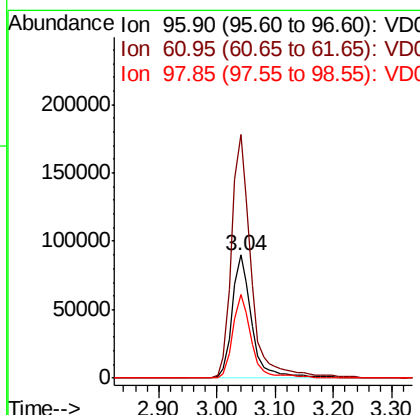
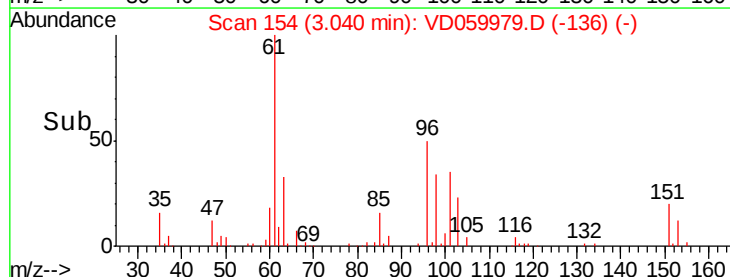
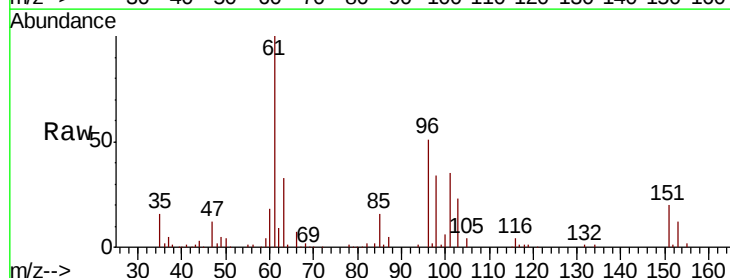
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

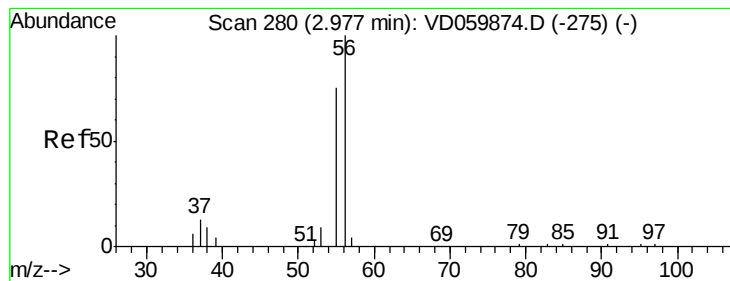
Tot Ion: 59 Resp: 226626
Ion Ratio Lower Upper
59 100
57 9.3 7.4 11.0



#12
1,1-Dichloroethene
Concen: 47.45 ug/l
RT: 3.04 min Scan# 154
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 96 Resp: 212610
Ion Ratio Lower Upper
96 100
61 197.9 158.8 238.2
98 67.7 48.7 73.1





#13

Acrolein

Concen: 238.01 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

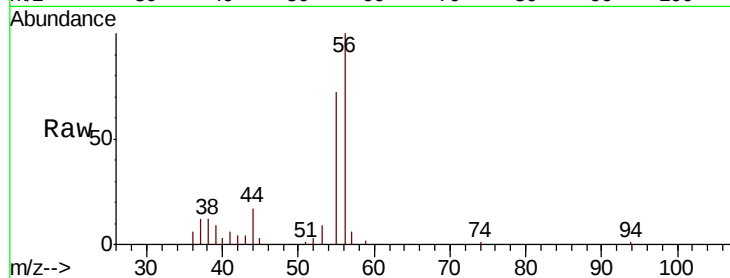
VSTDCCC050

Tot Ion: 56 Resp: 84938

Ion Ratio Lower Upper

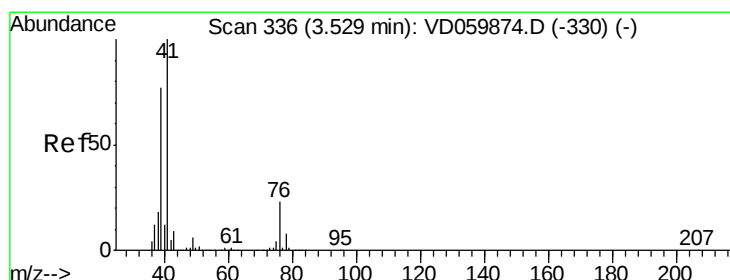
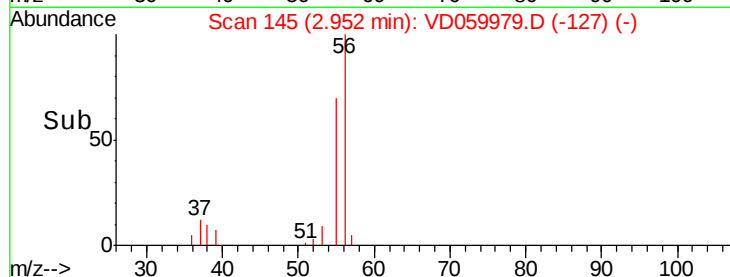
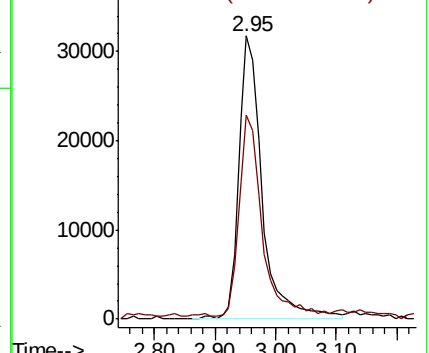
56 100

55 72.3 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.24 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

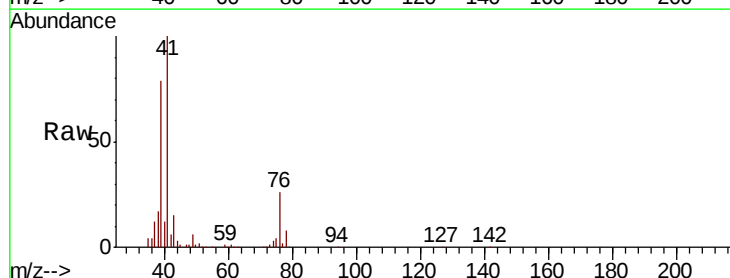
Tgt Ion: 41 Resp: 509288

Ion Ratio Lower Upper

41 100

39 78.6 61.8 92.6

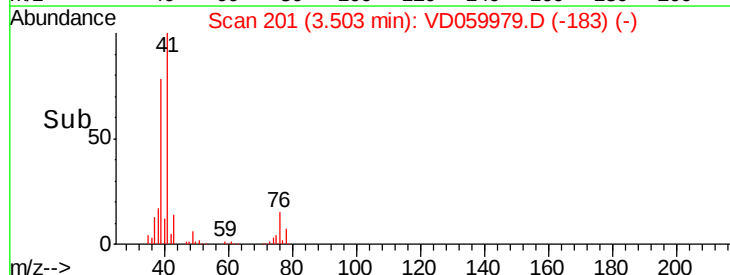
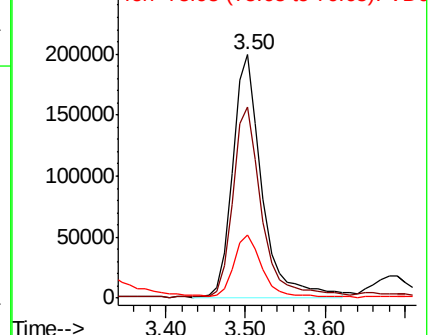
76 25.9 19.4 29.2

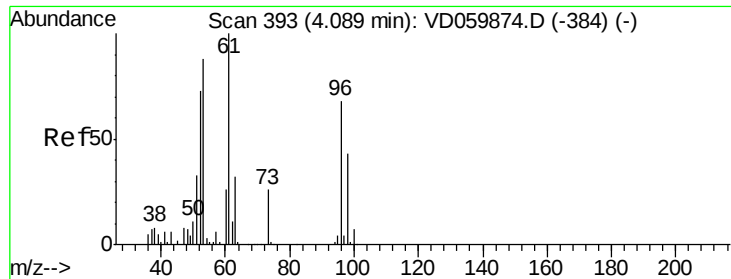


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 264.39 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

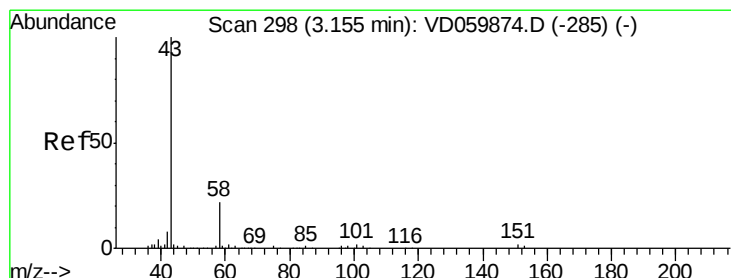
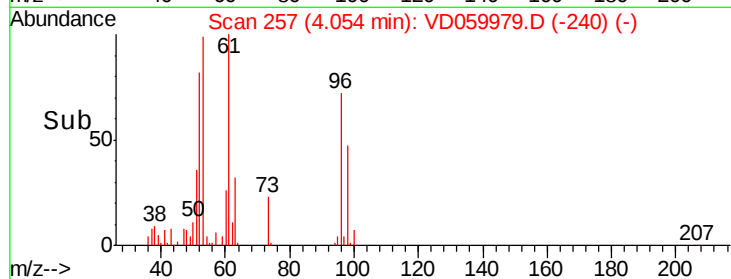
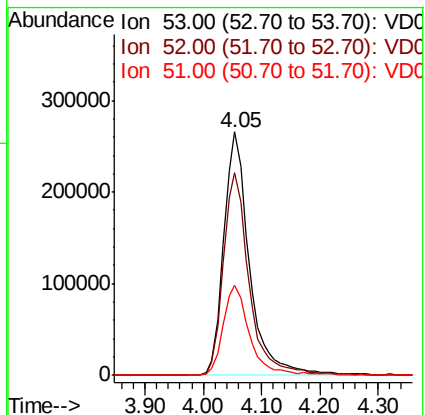
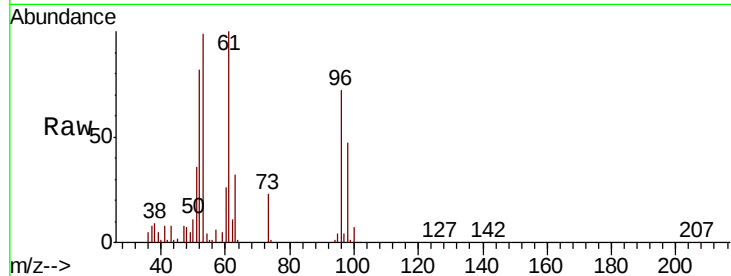
Tot Ion: 53 Resp: 814630

Ion Ratio Lower Upper

53 100

52 83.1 66.9 100.3

51 36.8 30.3 45.5



#16

Acetone

Concen: 295.92 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.03 min

Lab File: VD059979.D

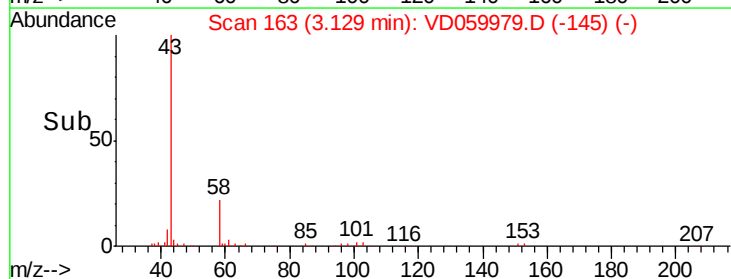
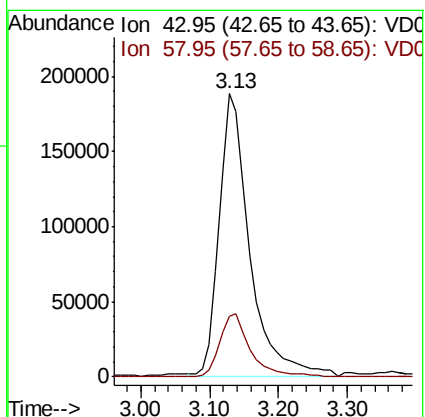
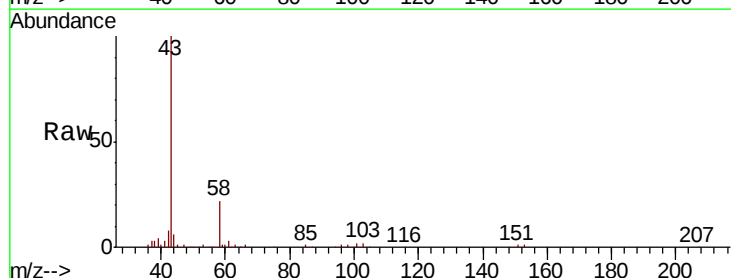
Acq: 6 Sep 2018 11:40

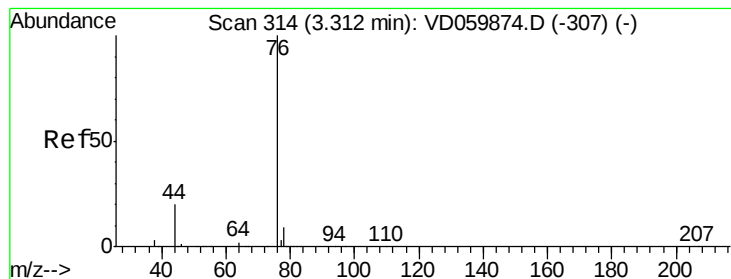
Tgt Ion: 43 Resp: 581381

Ion Ratio Lower Upper

43 100

58 21.6 17.6 26.4





#17

Carbon Disulfide

Concen: 42.32 ug/l

RT: 3.28 min Scan# 178

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

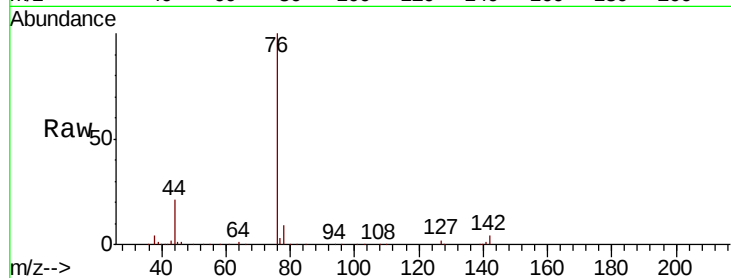
VSTDCCC050

Tot Ion: 76 Resp: 588543

Ion Ratio Lower Upper

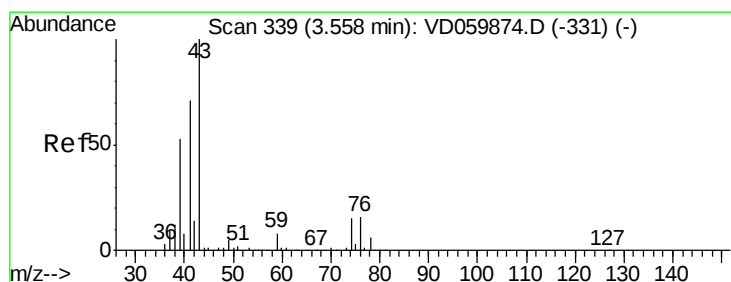
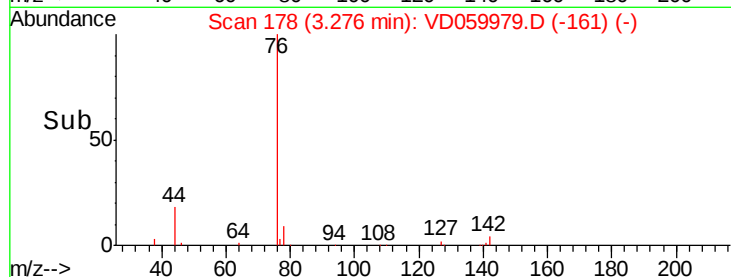
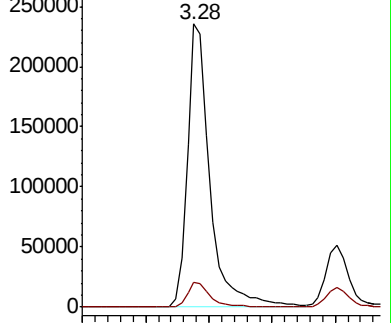
76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 56.79 ug/l

RT: 3.52 min Scan# 203

Delta R.T. -0.04 min

Lab File: VD059979.D

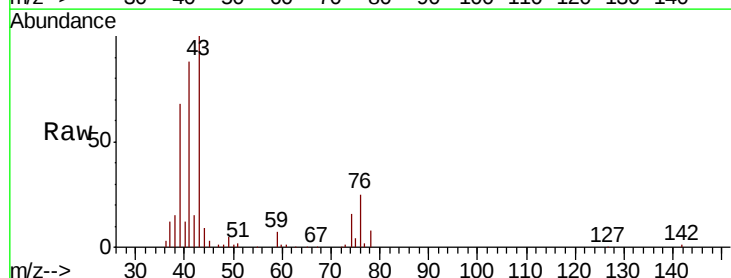
Acq: 6 Sep 2018 11:40

Tgt Ion: 43 Resp: 232924

Ion Ratio Lower Upper

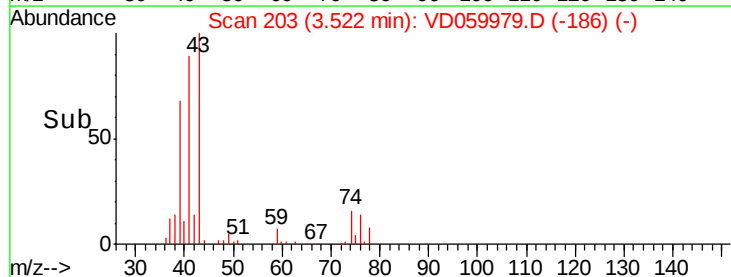
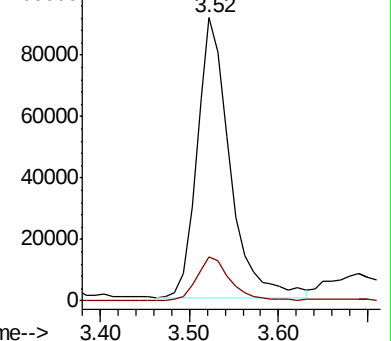
43 100

74 15.6 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

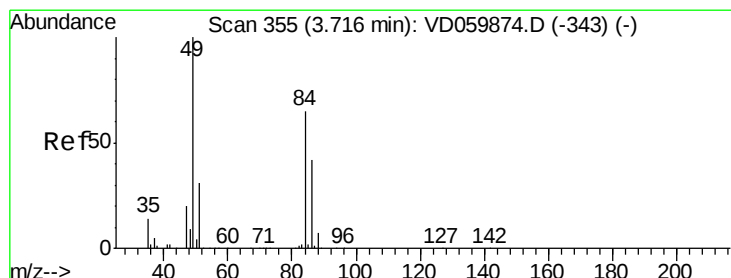
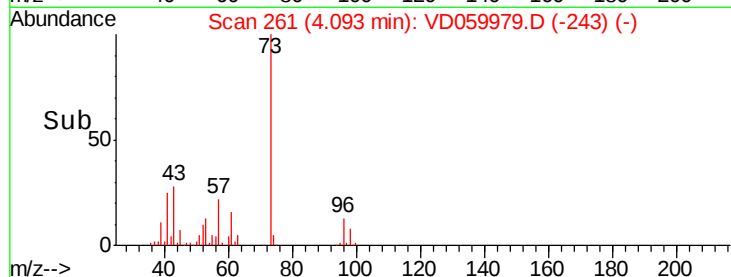
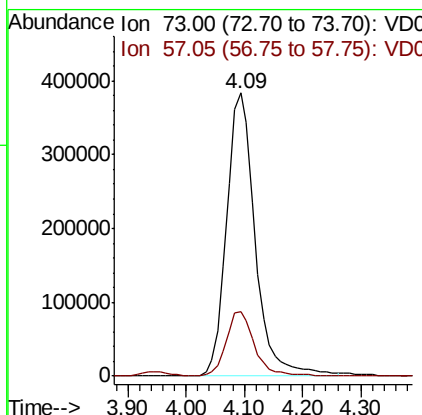
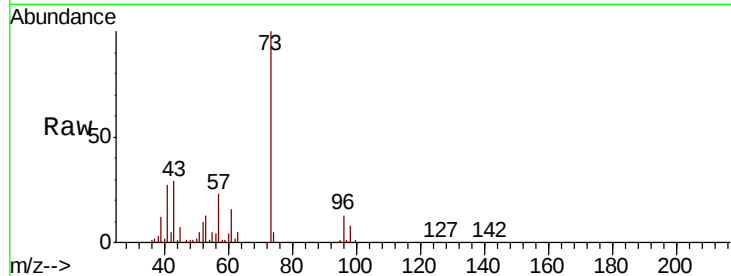




#19
Methyl tert-butyl Ether
Concen: 51.49 ug/l
RT: 4.09 min Scan# 261
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

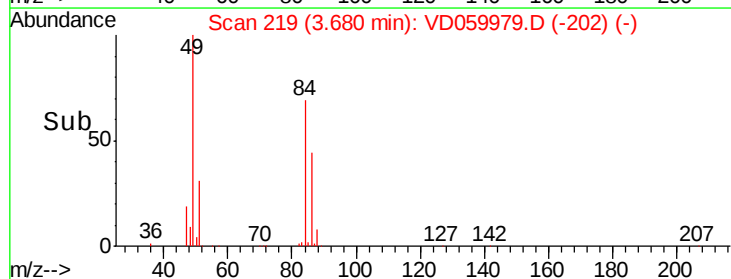
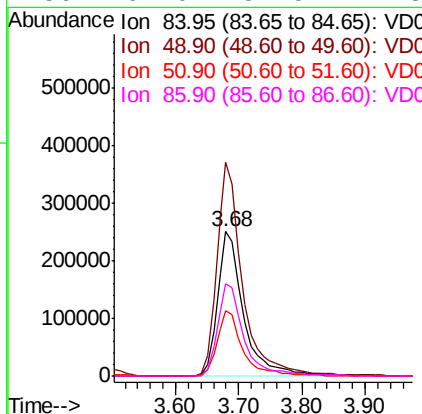
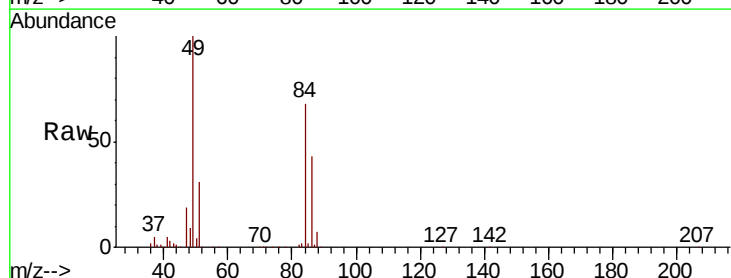
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1305062
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9



#20
Methylene Chloride
Concen: 55.07 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 84 Resp: 717115
Ion Ratio Lower Upper
84 100
49 148.0 122.6 183.8
51 45.4 38.4 57.6
86 64.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.03 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

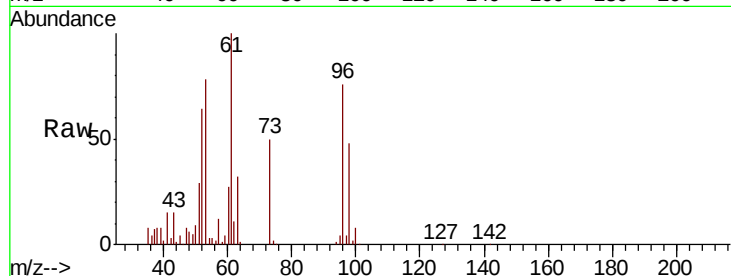
Tot Ion: 96 Resp: 605237

Ion Ratio Lower Upper

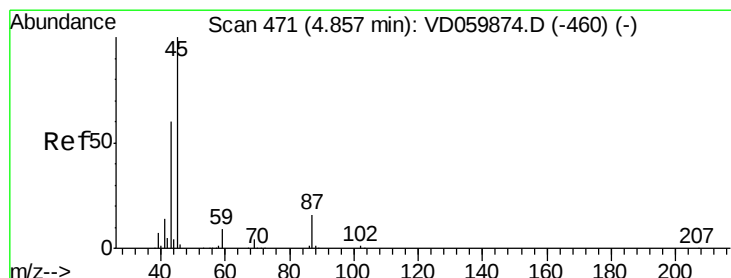
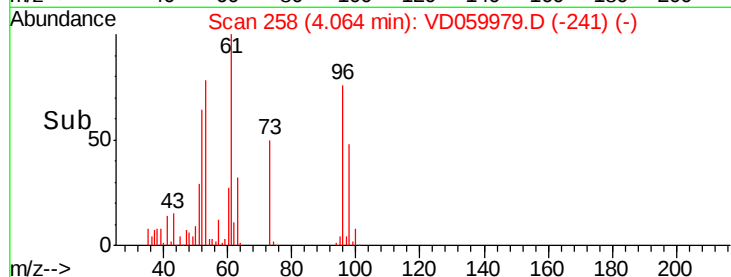
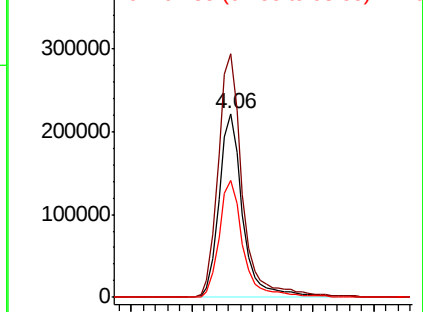
96 100

61 132.4 110.2 165.4

98 63.7 50.9 76.3



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: 49.49 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Tgt Ion: 45 Resp: 2558656

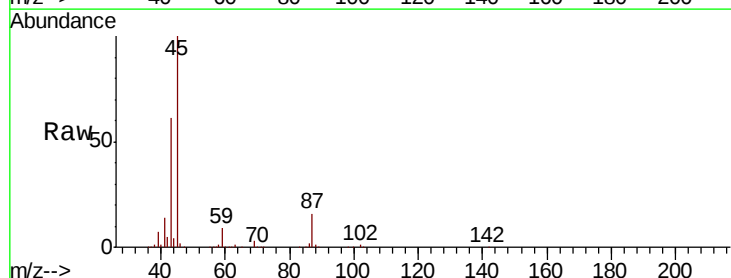
Ion Ratio Lower Upper

45 100

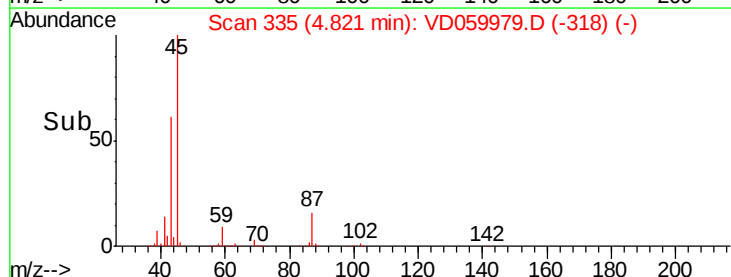
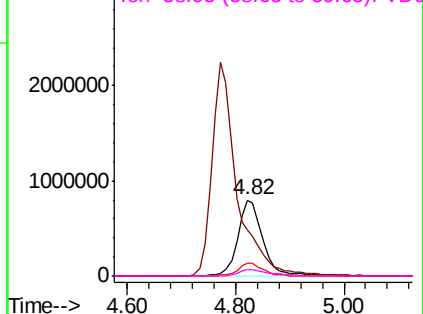
43 61.2 48.6 72.8

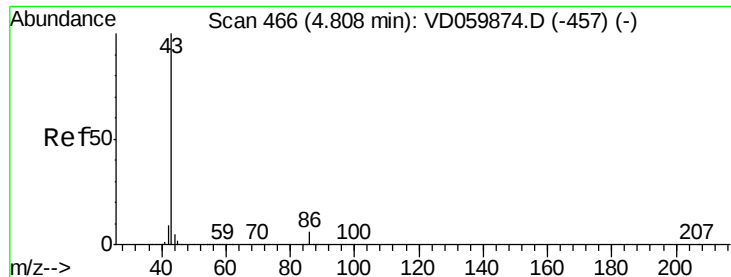
87 16.3 13.3 19.9

59 8.6 7.1 10.7



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: 246.86 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

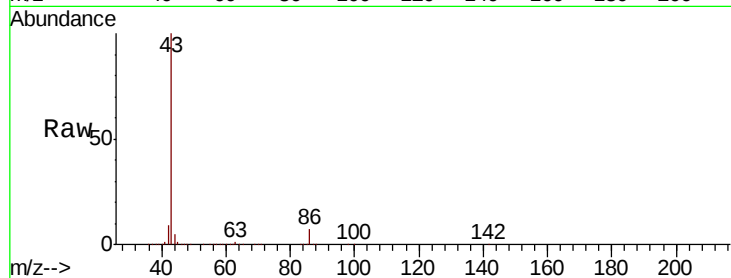
VSTDCCC050

Tot Ion: 43 Resp: 7134092

Ion Ratio Lower Upper

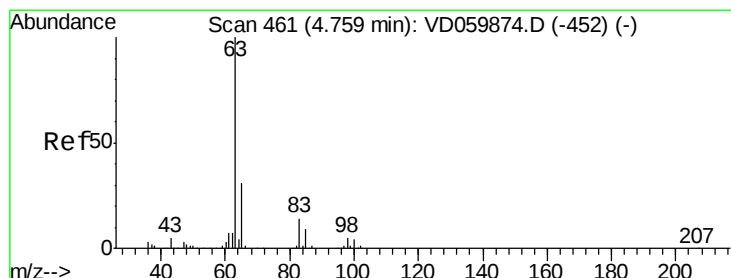
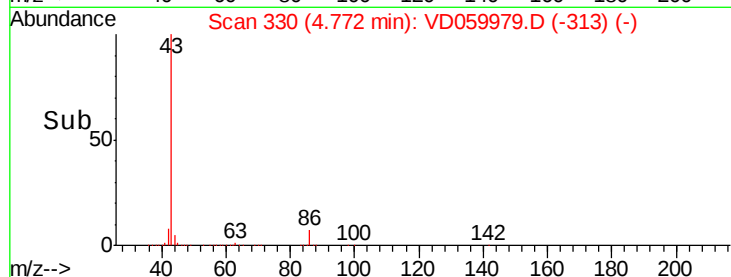
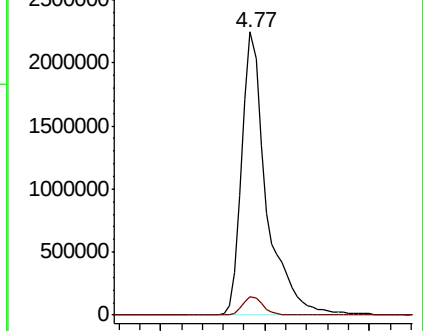
43 100

86 6.6 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.44 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

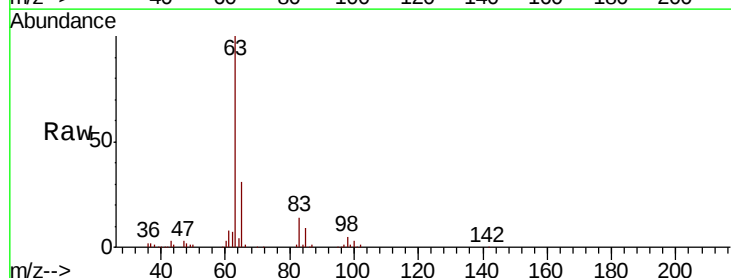
Tgt Ion: 63 Resp: 1104188

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

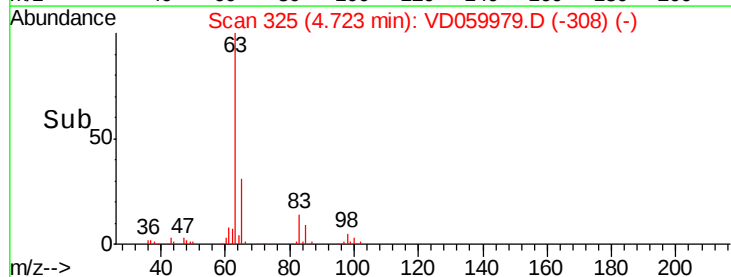
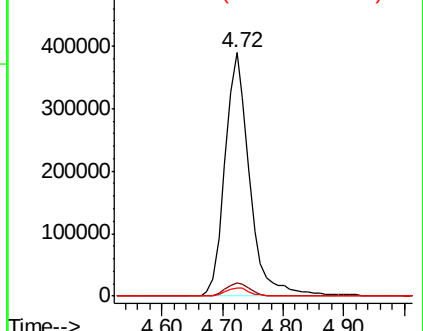
100 3.4 1.8 5.3

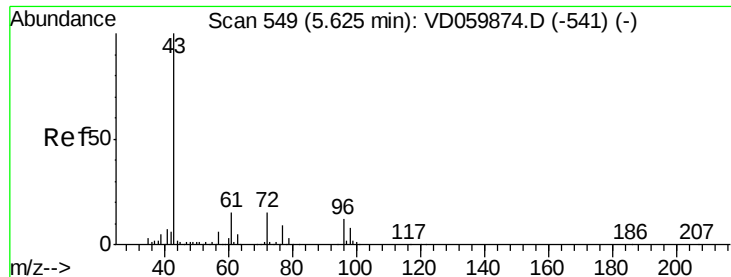


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 267.24 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

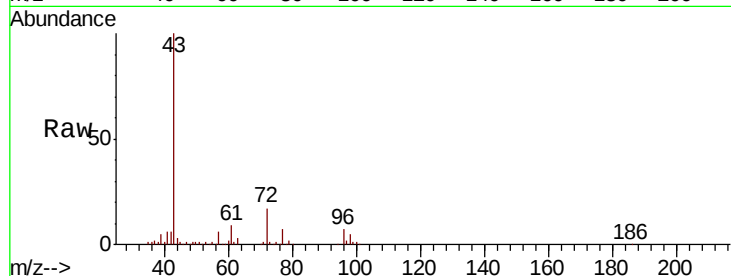
VSTDCCC050

Tot Ion: 43 Resp: 1554962

Ion Ratio Lower Upper

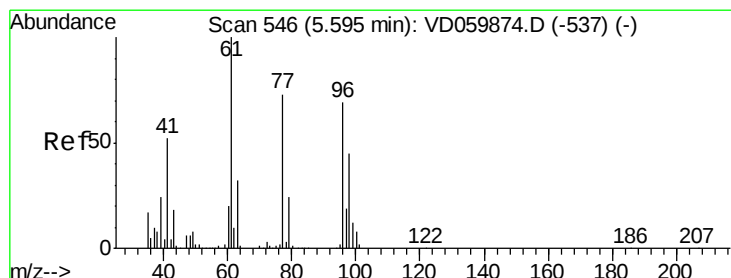
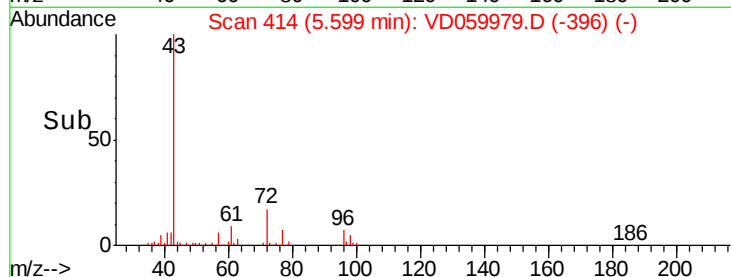
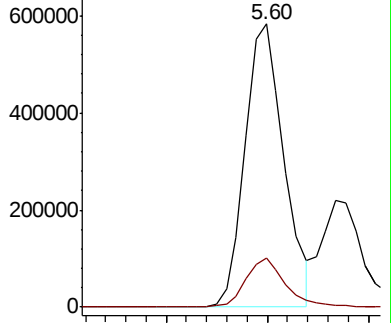
43 100

72 17.4 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.10 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.04 min

Lab File: VD059979.D

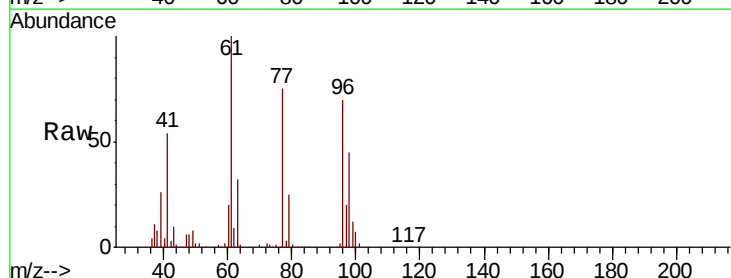
Acq: 6 Sep 2018 11:40

Tgt Ion: 77 Resp: 879290

Ion Ratio Lower Upper

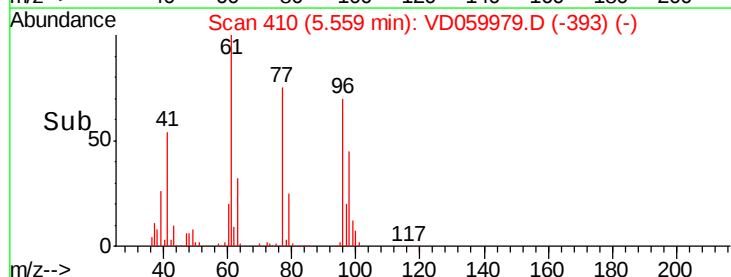
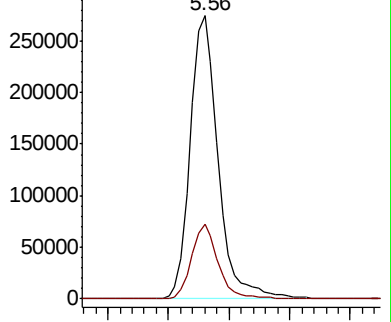
77 100

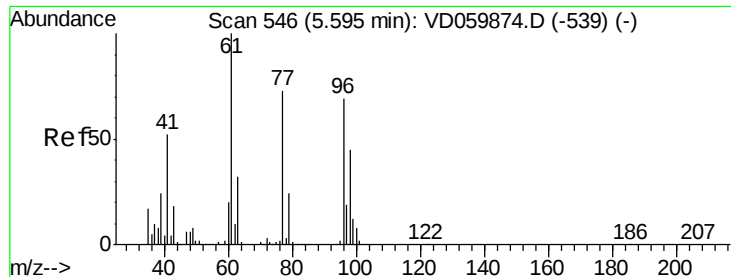
97 26.3 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



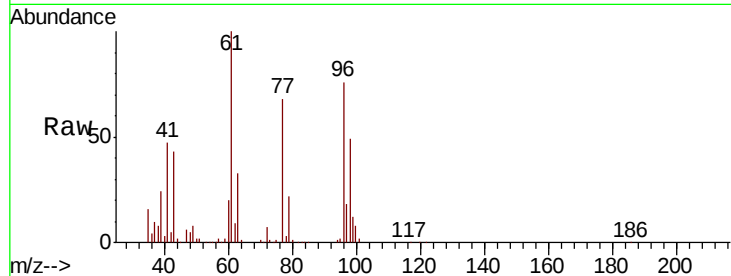


#27

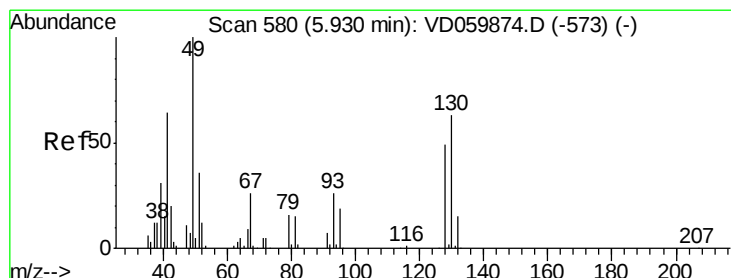
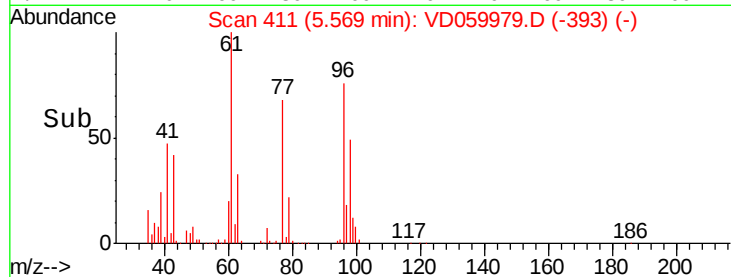
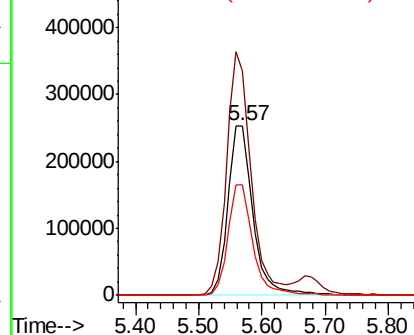
cis-1,2-Dichloroethene
 Concen: 51.70 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	96	Resp	698761
Ion	Ratio	Lower	Upper
96	100		
61	132.4	0.0	290.2
98	64.8	0.0	130.4



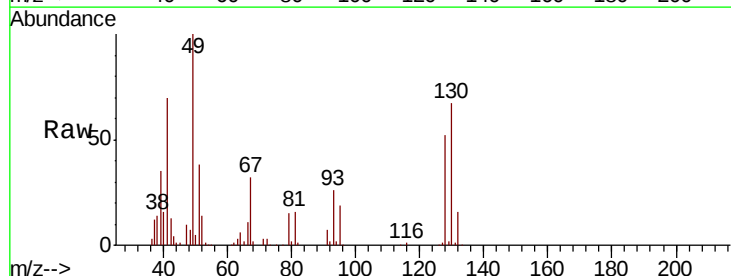
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



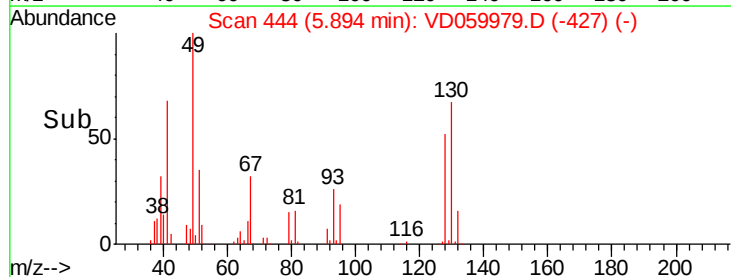
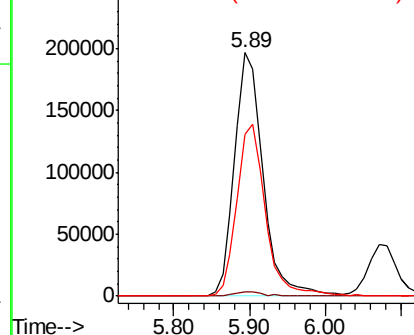
#28

Bromochloromethane
 Concen: 47.91 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.04 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion	49	Resp	512775
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	66.7	50.6	75.8



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

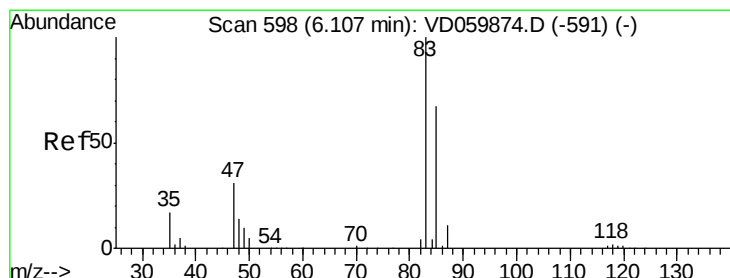
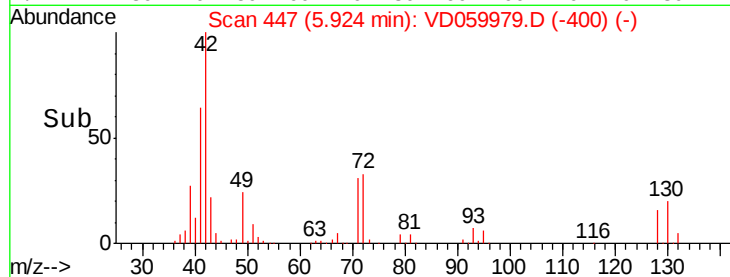
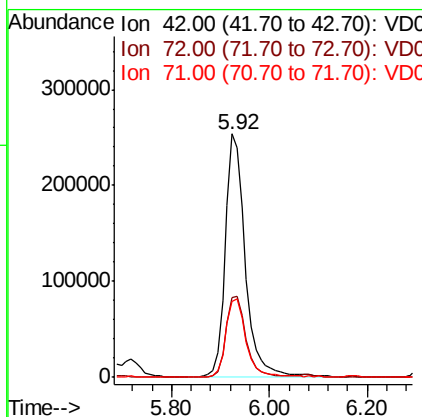
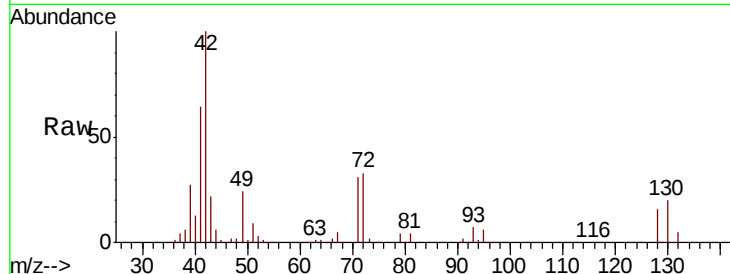




#29
Tetrahydrofuran
Concen: 259.38 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

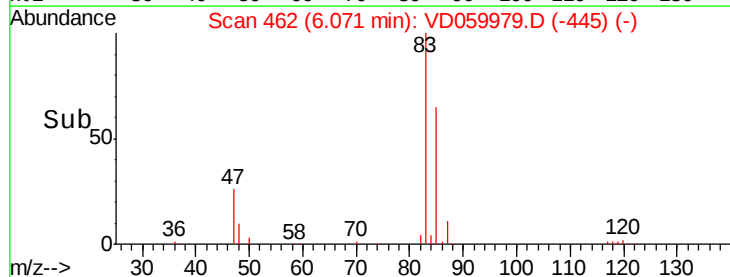
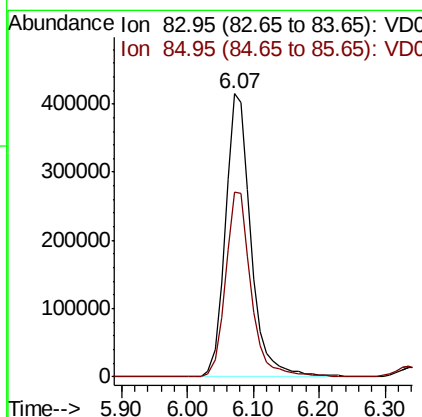
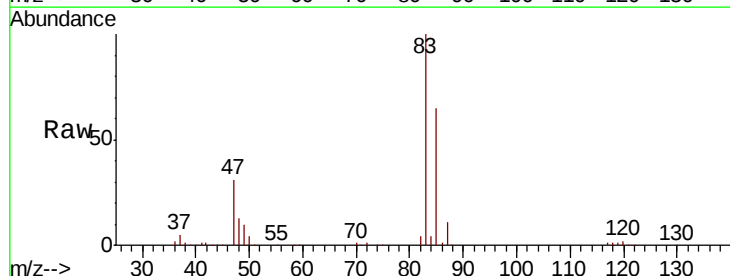
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

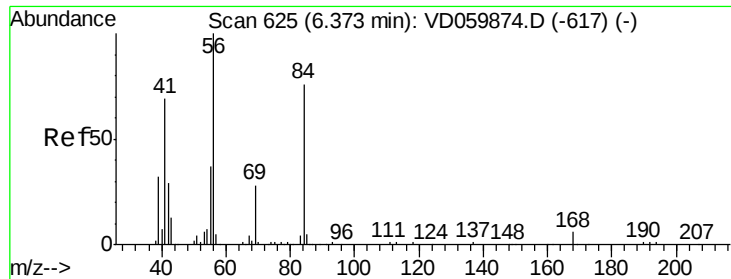
Tot Ion: 42 Resp: 718498
Ion Ratio Lower Upper
42 100
72 33.8 25.7 38.5
71 32.9 25.3 37.9



#30
Chloroform
Concen: 49.44 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 83 Resp: 1122207
Ion Ratio Lower Upper
83 100
85 65.1 53.5 80.3

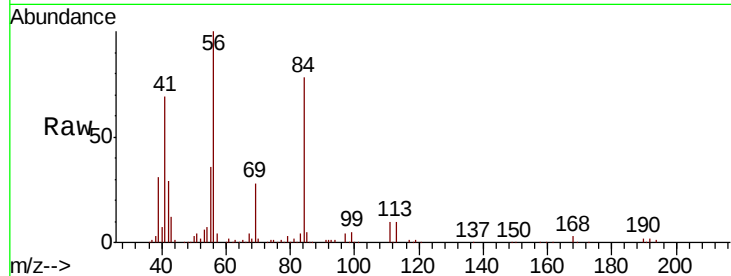




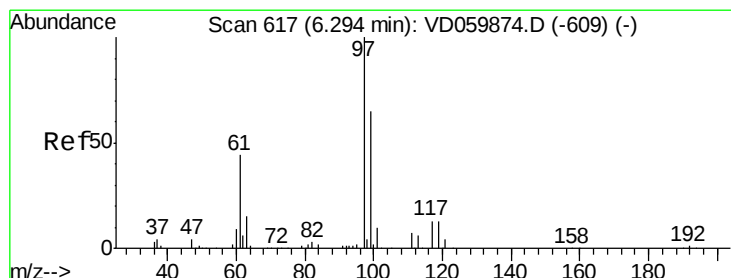
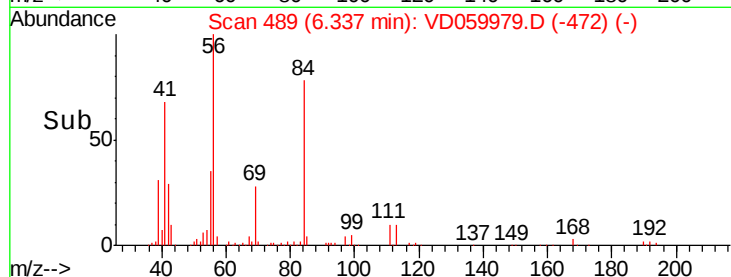
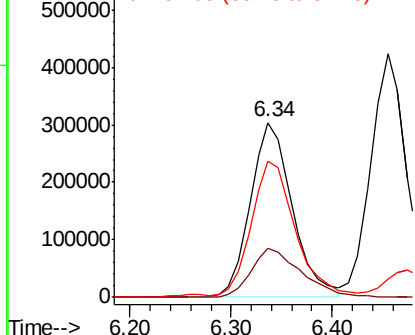
#31
Cvclohexane
Concen: 42.83 ug/l
RT: 6.34 min Scan# 489
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 879465
Ion Ratio Lower Upper
56 100
69 27.9 22.4 33.6
84 78.0 62.1 93.1

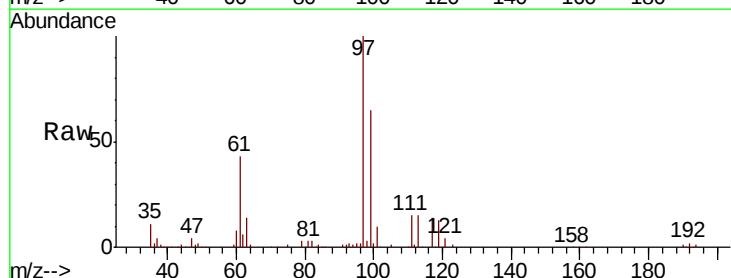


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

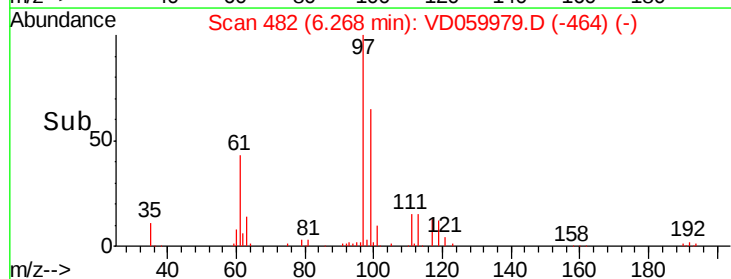
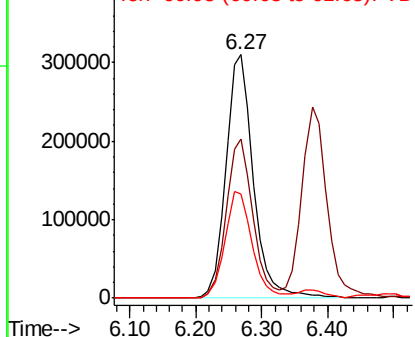


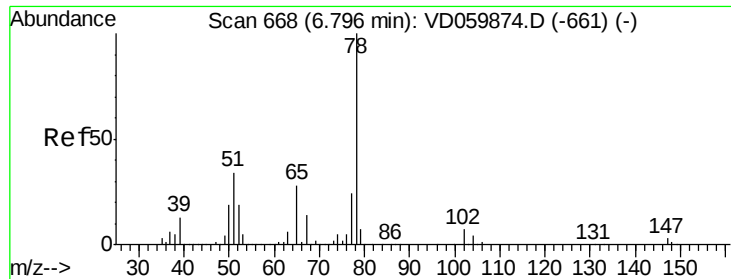
#32
1,1,1-Trichloroethane
Concen: 46.86 ug/l
RT: 6.27 min Scan# 482
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 97 Resp: 902643
Ion Ratio Lower Upper
97 100
99 65.3 51.7 77.5
61 42.7 35.4 53.2



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: 46.86 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

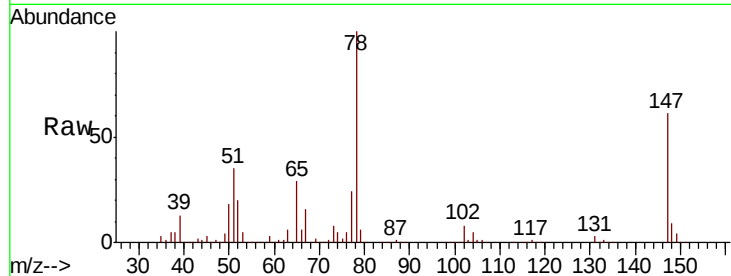
VSTDCCC050

Tot Ion: 65 Resp: 514592

Ion Ratio Lower Upper

65 100

67 54.9 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

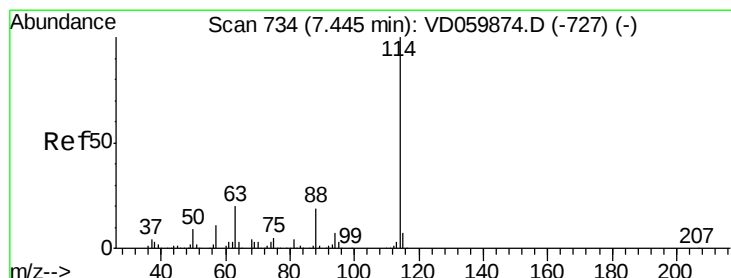
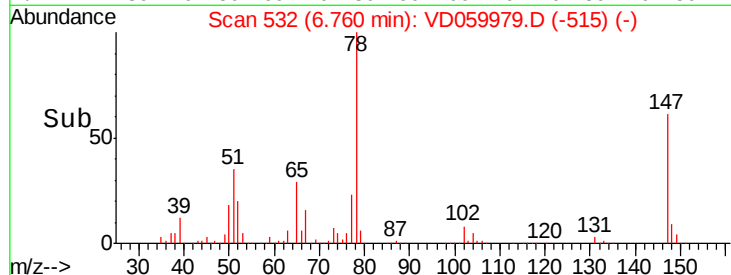
100000

50000

0

6.60 6.70 6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

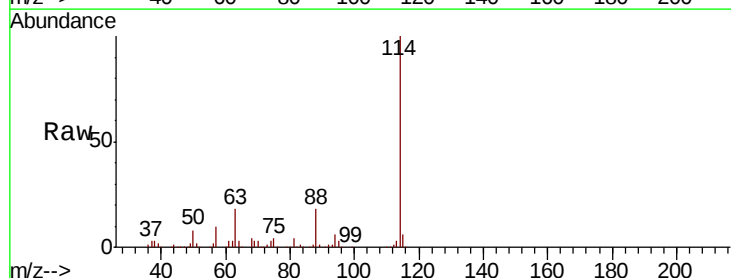
Tgt Ion:114 Resp: 1743301

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.4

88 17.8 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

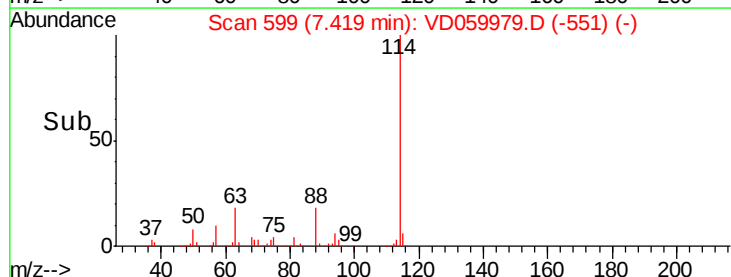
400000

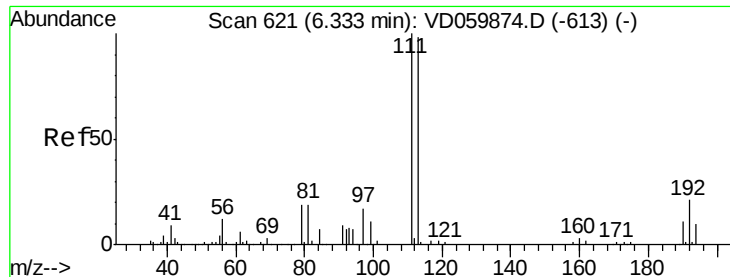
200000

0

7.30 7.40 7.50 7.60 7.70

Time-->

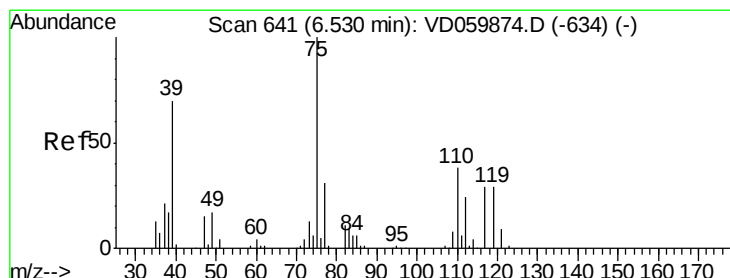
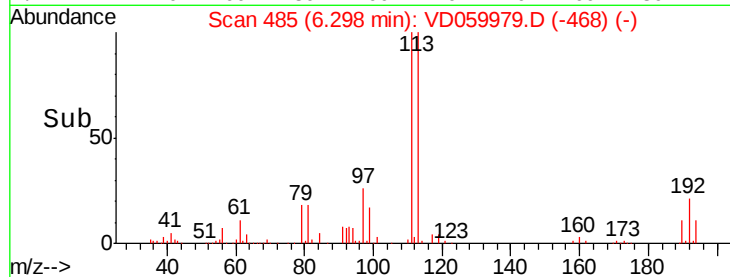
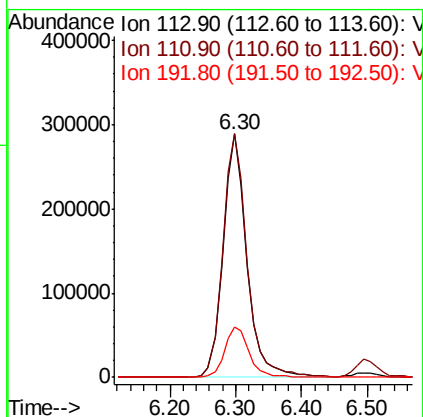
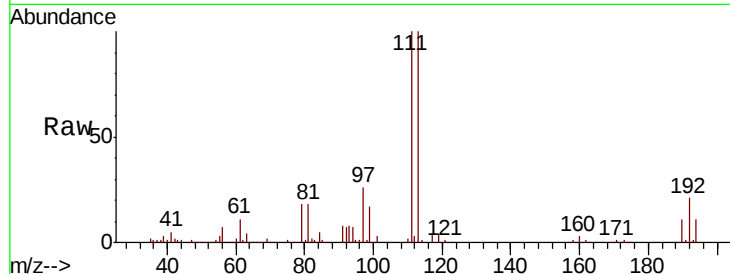




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

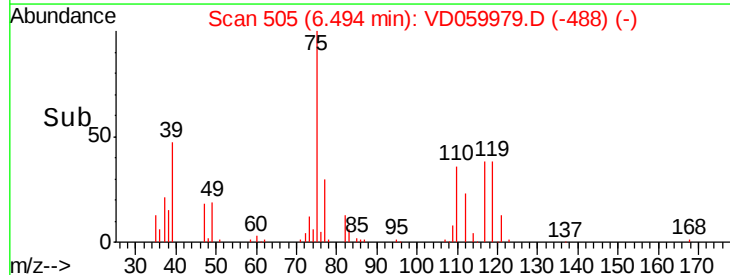
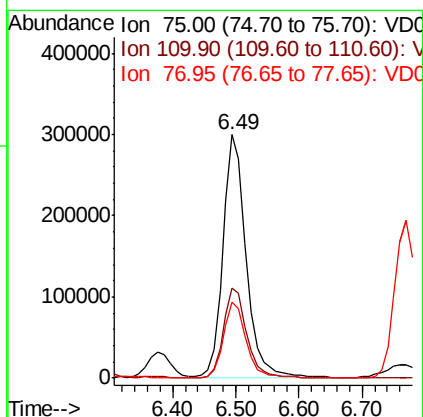
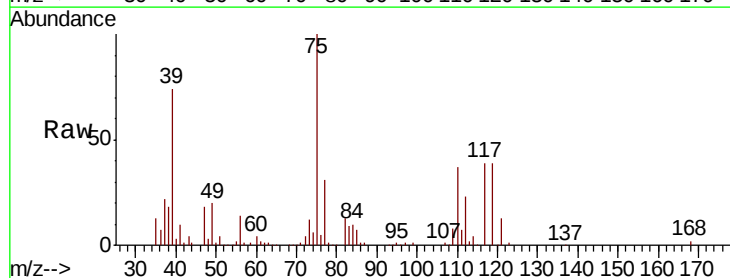
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

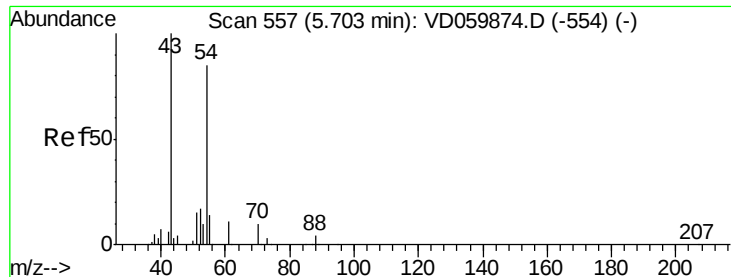
Tot Ion:113 Resp: 725273
 Ion Ratio Lower Upper
 113 100
 111 100.1 81.4 122.2
 192 20.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 48.06 ug/l
 RT: 6.49 min Scan# 505
 Delta R.T. -0.04 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion: 75 Resp: 759503
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.6 56.0
 77 30.9 25.1 37.7

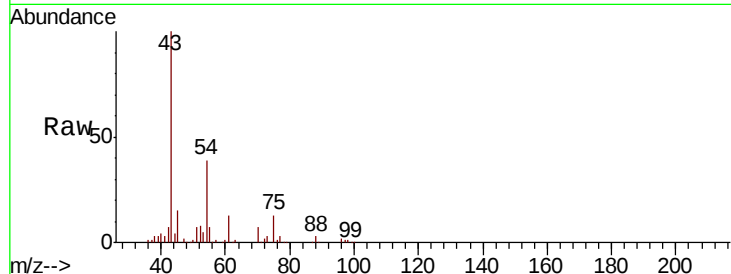




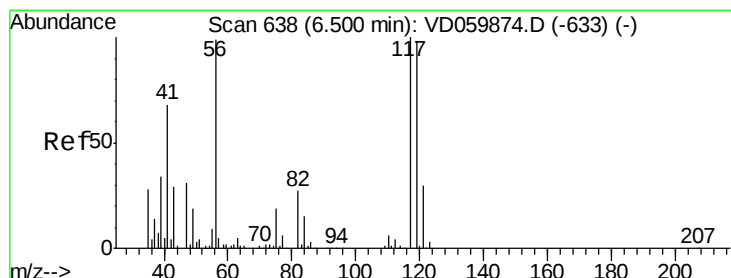
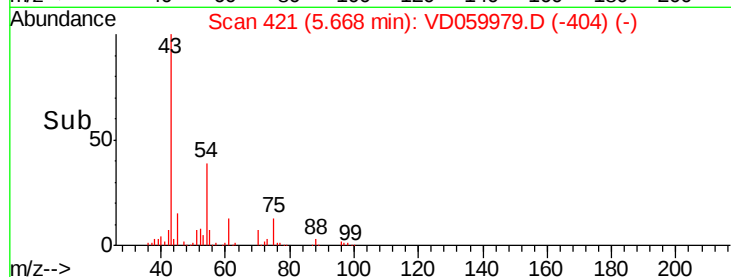
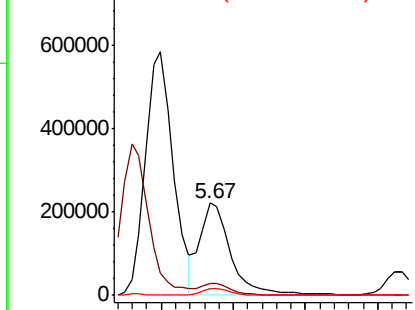
#37
Ethyl Acetate
Concen: 51.80 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 637026
Ion Ratio Lower Upper
43 100
61 13.3 11.0 16.6
70 7.1 5.7 8.5

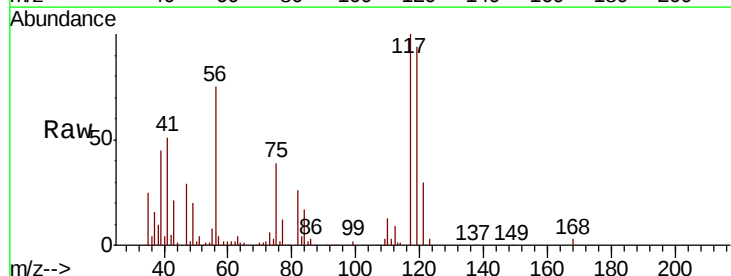


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

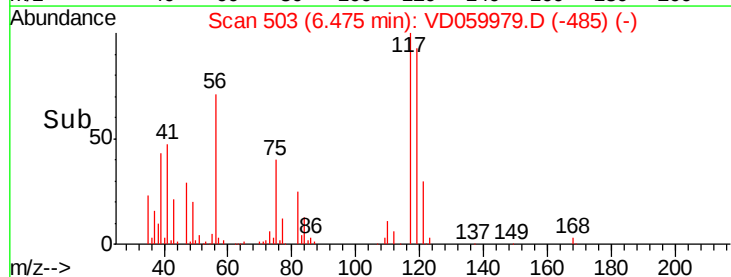
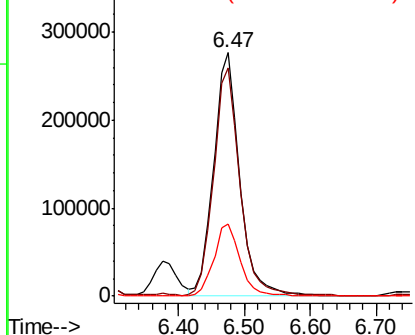


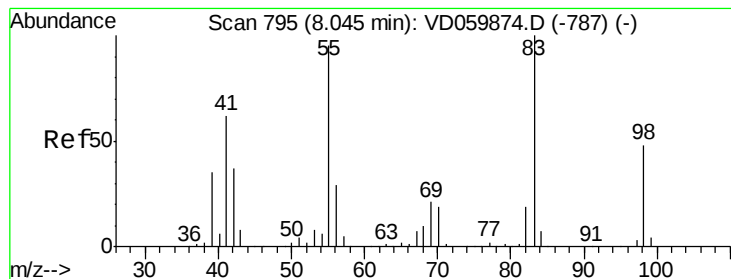
#38
Carbon Tetrachloride
Concen: 46.99 ug/l
RT: 6.47 min Scan# 503
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 117 Resp: 749347
Ion Ratio Lower Upper
117 100
119 93.6 77.2 115.8
121 29.8 24.0 36.0



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: 49.06 ug/l

RT: 8.02 min Scan# 660

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

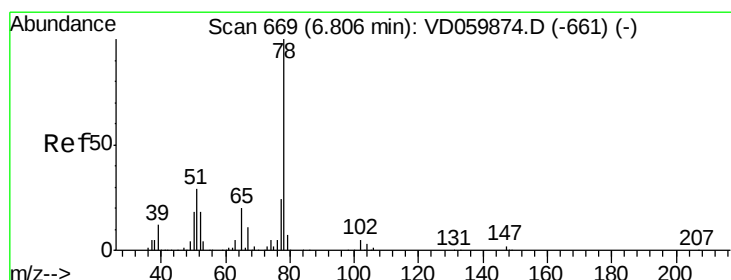
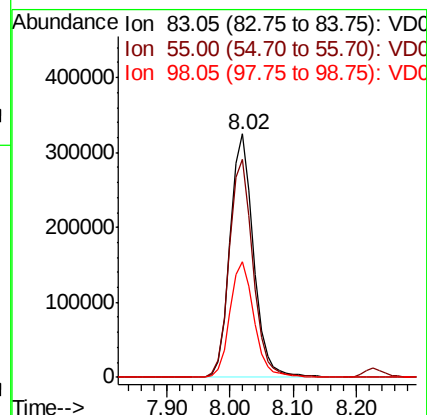
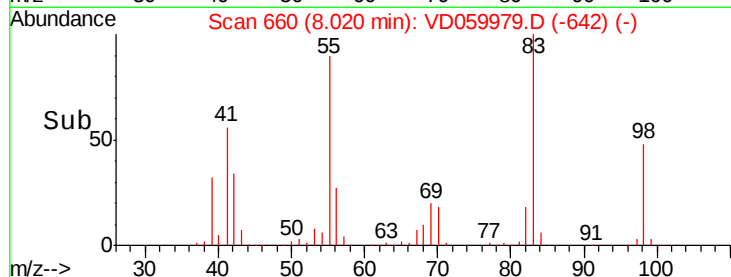
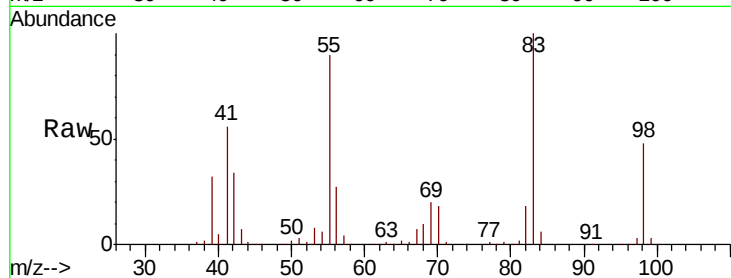
Tot Ion: 83 Resp: 837710

Ion Ratio Lower Upper

83 100

55 89.6 75.8 113.6

98 47.7 38.3 57.5



#40

Benzene

Concen: 51.03 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.04 min

Lab File: VD059979.D

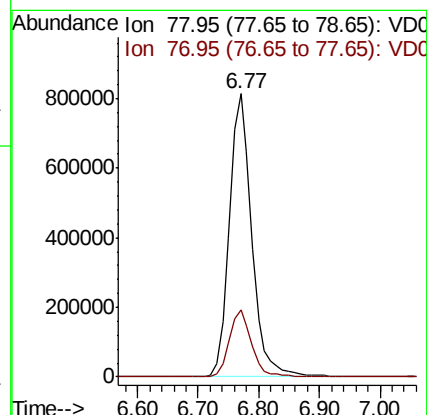
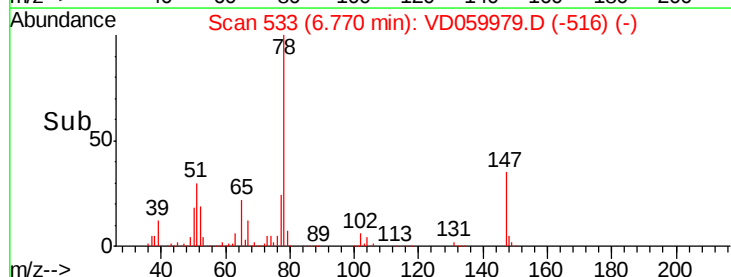
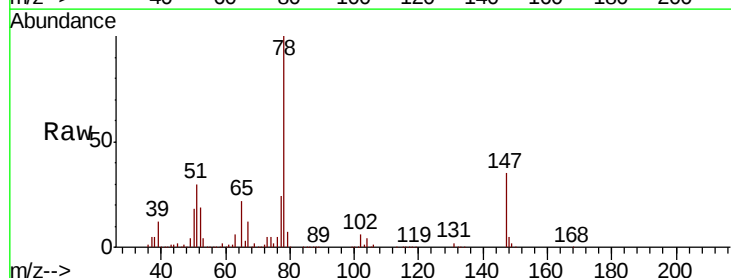
Acq: 6 Sep 2018 11:40

Tgt Ion: 78 Resp: 2096785

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.4

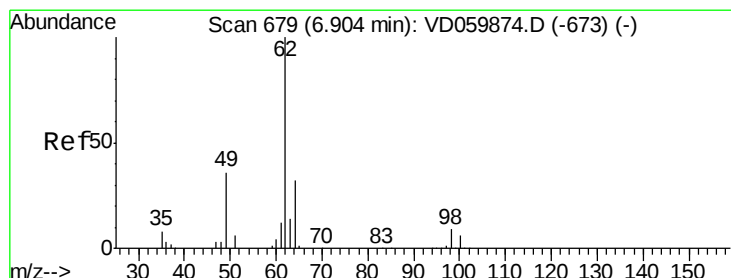
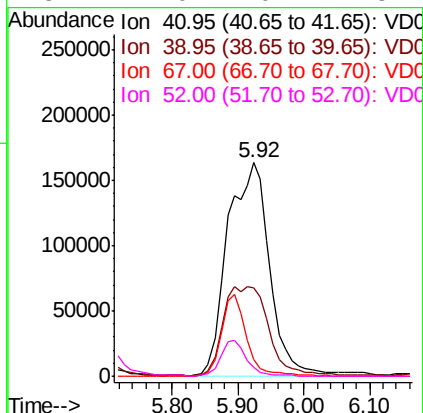
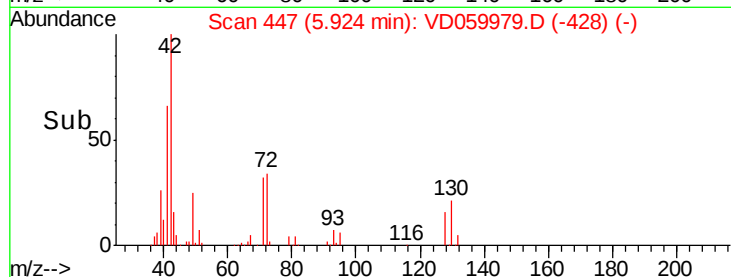
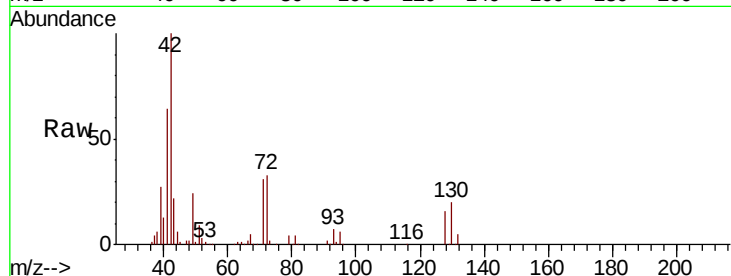




#41
Methacrylonitrile
Concen: 116.73 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

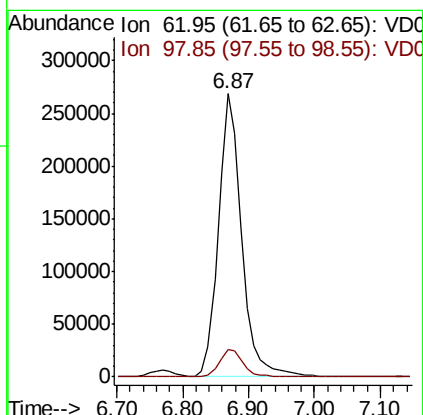
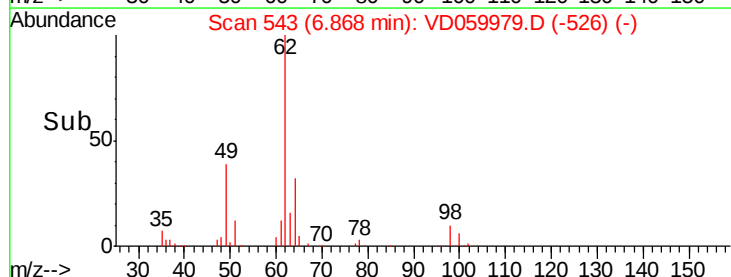
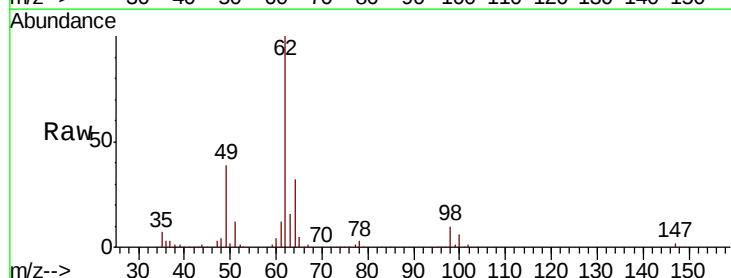
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

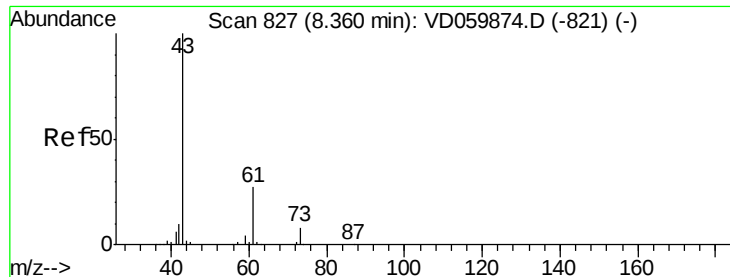
Tot Ion	Ratio	Lower	Upper
41	100		
39	41.1	39.4	59.2
67	7.6	22.2	33.2#
52	4.0	10.1	15.1#



#42
1,2-Dichloroethane
Concen: 49.50 ug/l
RT: 6.87 min Scan# 543
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4





#43

Isopropyl Acetate

Concen: 51.96 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

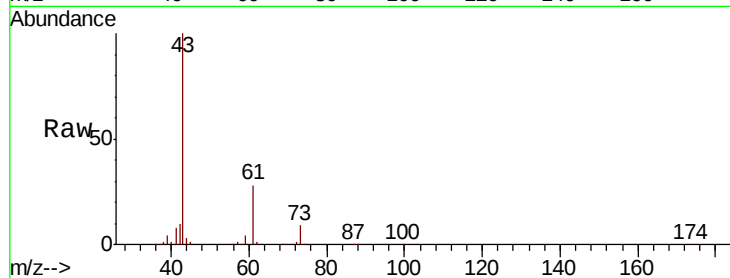
Tot Ion: 43 Resp: 831257

Ion Ratio Lower Upper

43 100

61 28.1 21.4 32.2

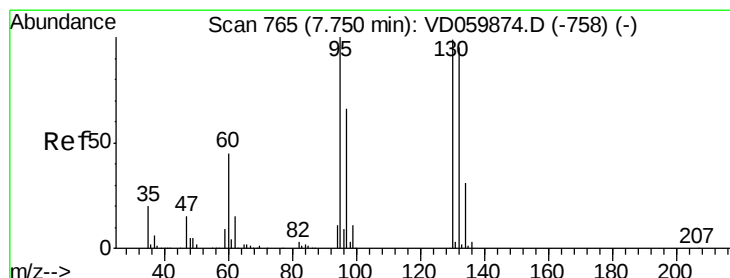
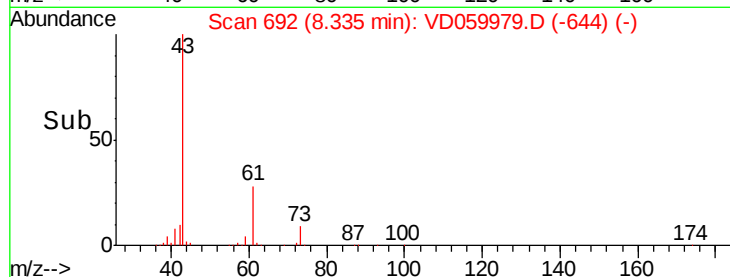
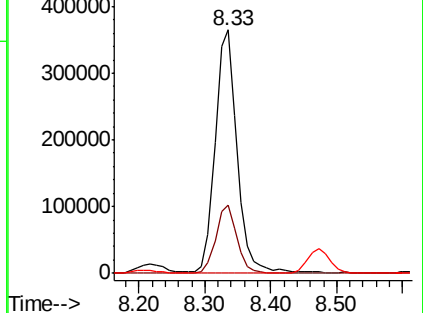
87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 53.51 ug/l

RT: 7.71 min Scan# 629

Delta R.T. -0.04 min

Lab File: VD059979.D

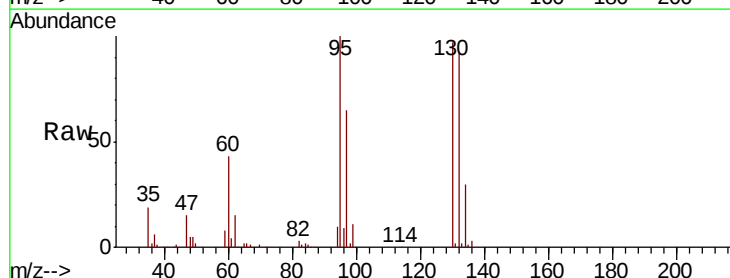
Acq: 6 Sep 2018 11:40

Tgt Ion: 130 Resp: 647355

Ion Ratio Lower Upper

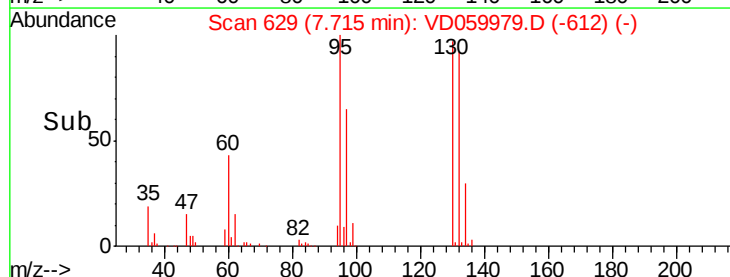
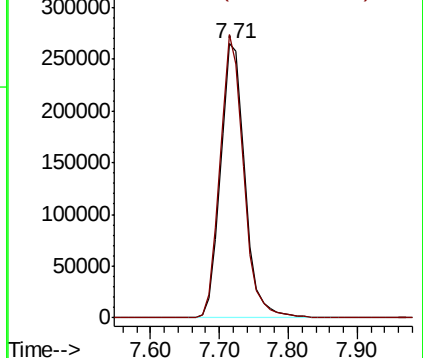
130 100

95 103.2 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.65 ug/l

RT: 8.09 min Scan# 667

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

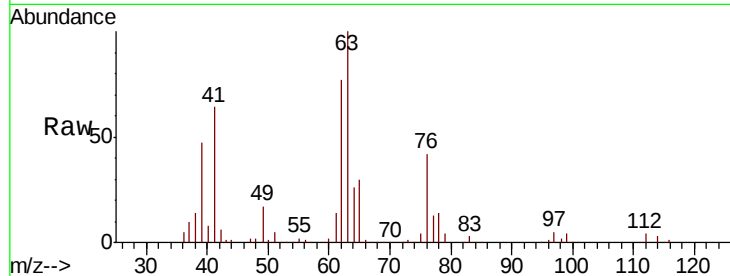
VSTDCCC050

Tot Ion: 63 Resp: 593277

Ion Ratio Lower Upper

63 100

65 30.0 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

250000

200000

150000

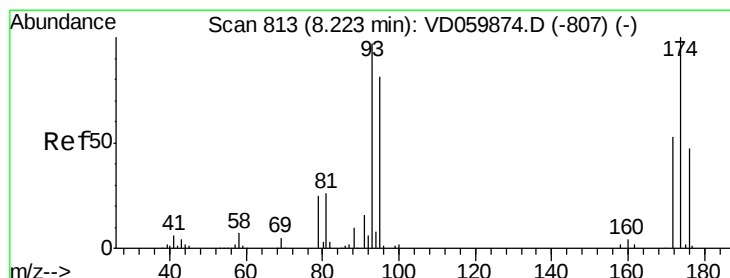
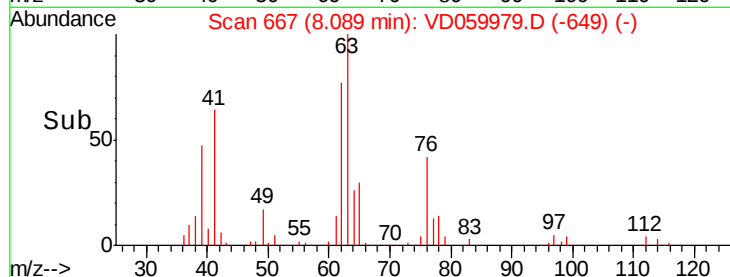
100000

50000

0

8.00 8.20

Time-->



#46

Dibromomethane

Concen: 52.57 ug/l

RT: 8.20 min Scan# 678

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

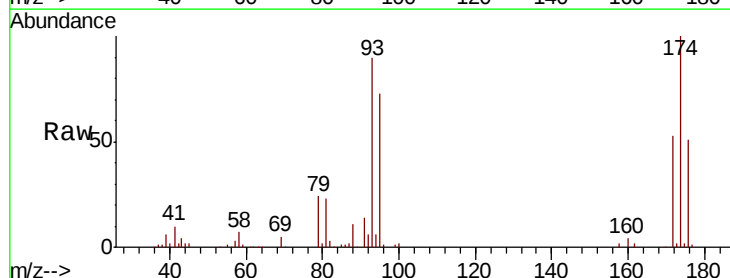
Tgt Ion: 93 Resp: 388220

Ion Ratio Lower Upper

93 100

95 81.3 66.6 100.0

174 110.7 82.4 123.6



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

8.20

250000

200000

150000

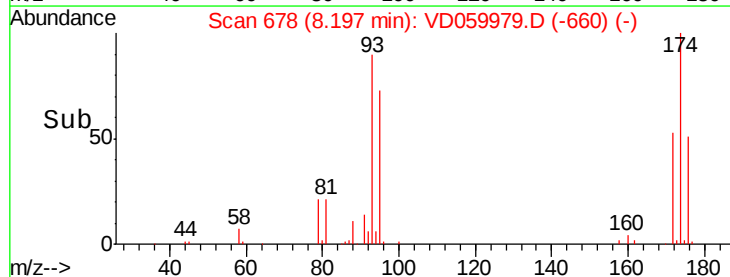
100000

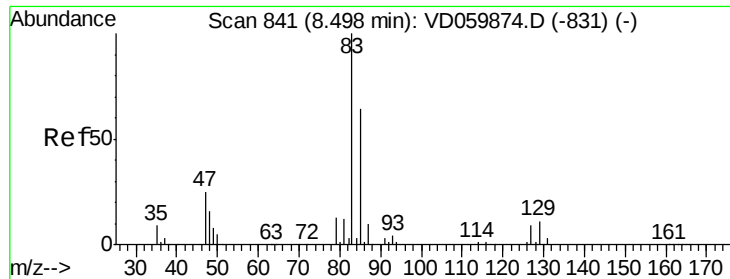
50000

0

8.10 8.30 8.40

Time-->





#47

Bromodichloromethane

Concen: 50.66 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

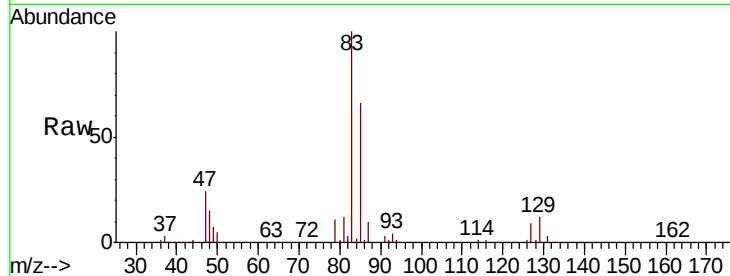
Tot Ion: 83 Resp: 846962

Ion Ratio Lower Upper

83 100

85 65.8 51.3 76.9

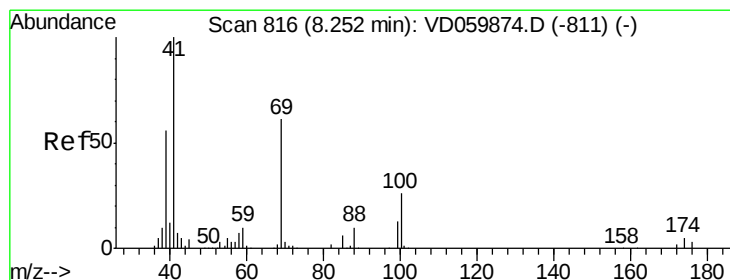
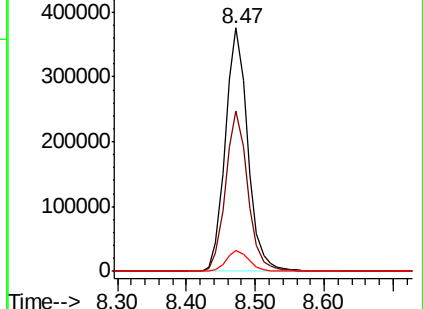
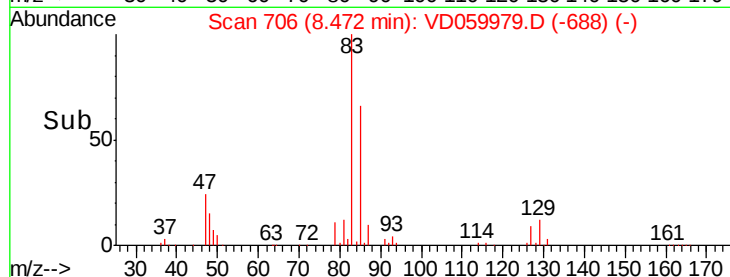
127 8.6 7.0 10.4



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: 50.21 ug/l

RT: 8.23 min Scan# 681

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

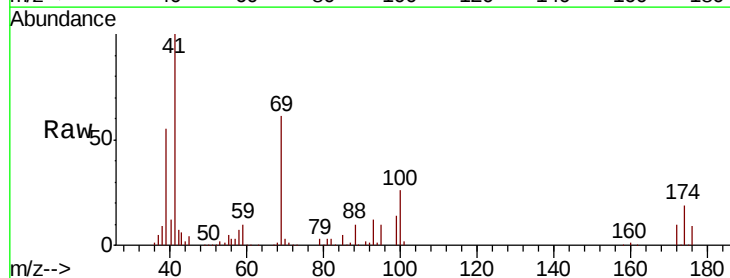
Tgt Ion: 41 Resp: 468268

Ion Ratio Lower Upper

41 100

69 60.8 48.0 72.0

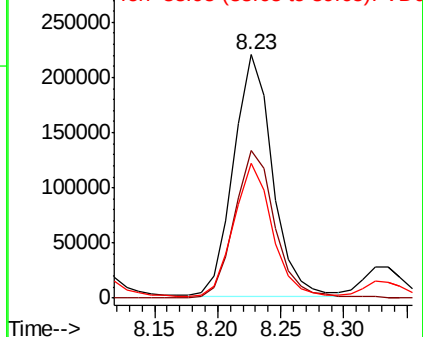
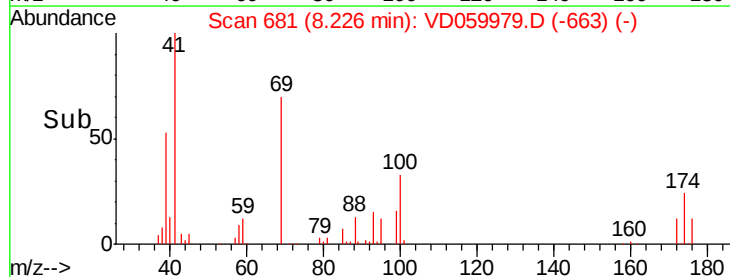
39 55.2 45.4 68.0

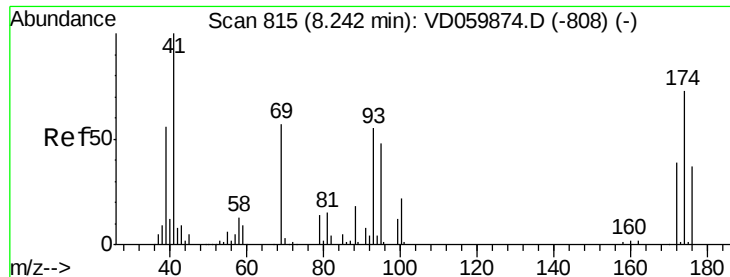


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1154.98 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

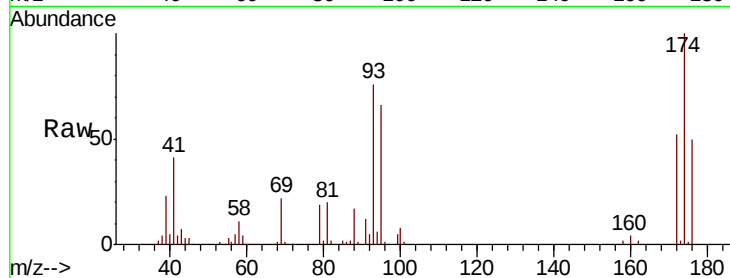
Tot Ion: 88 Resp: 96165

Ion Ratio Lower Upper

88 100

43 42.9 45.0 67.6#

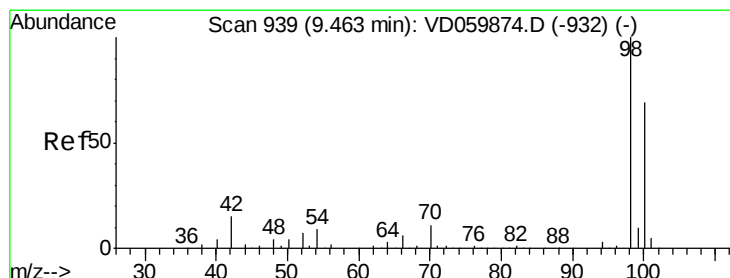
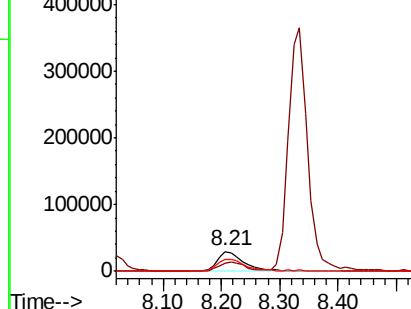
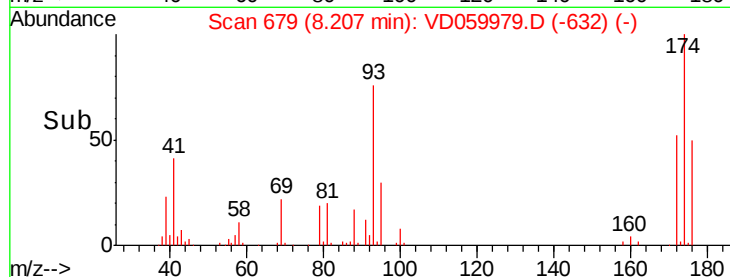
58 61.9 55.8 83.8



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: 1154.98 ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD059979.D

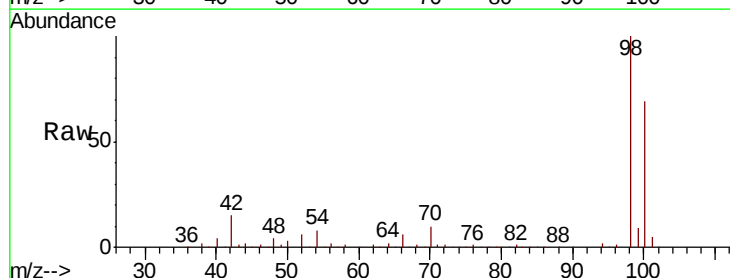
Acq: 6 Sep 2018 11:40

Tgt Ion: 98 Resp: 1946494

Ion Ratio Lower Upper

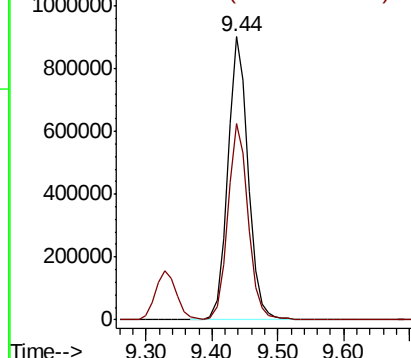
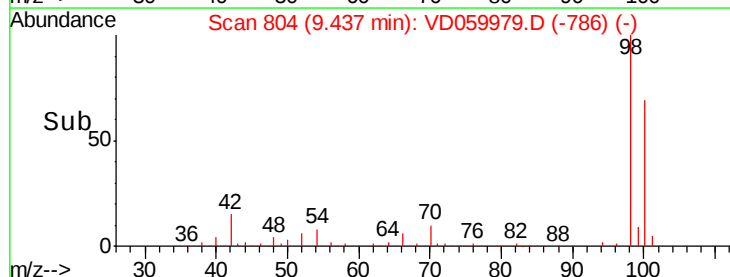
98 100

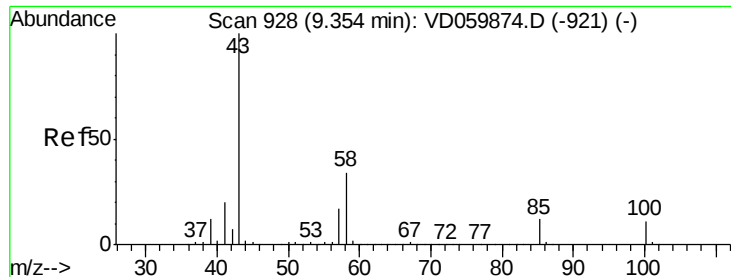
100 69.2 55.8 83.6



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: 275.93 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleID :

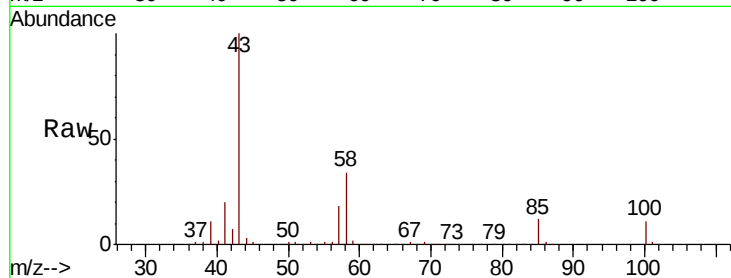
VSTDCCC050

Tot Ion: 43 Resp: 3291030

Ion Ratio Lower Upper

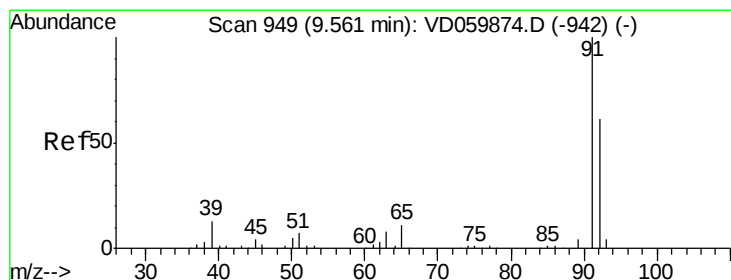
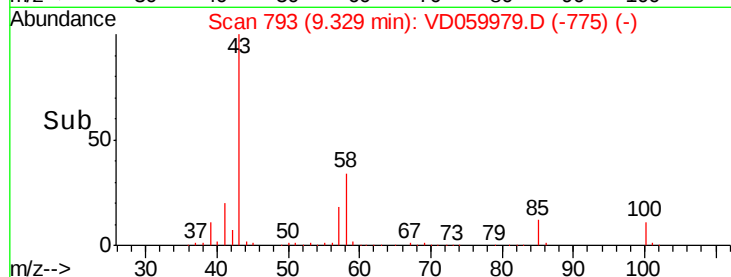
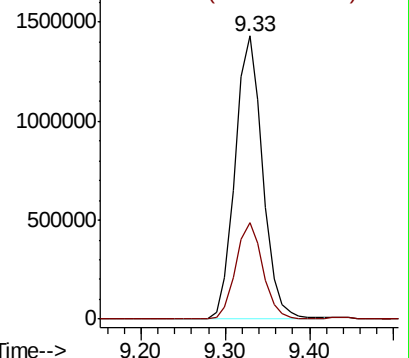
43 100

58 33.9 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.31 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD059979.D

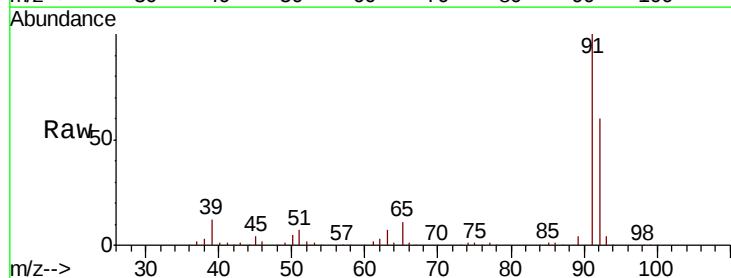
Acq: 6 Sep 2018 11:40

Tgt Ion: 92 Resp: 1378431

Ion Ratio Lower Upper

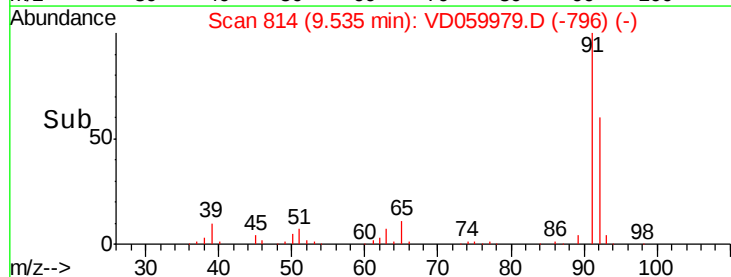
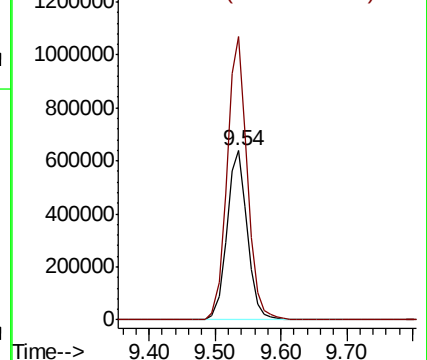
92 100

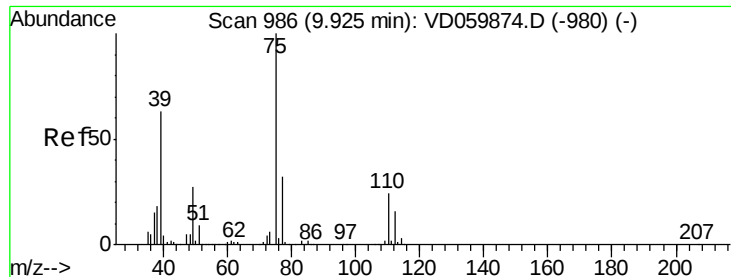
91 167.2 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

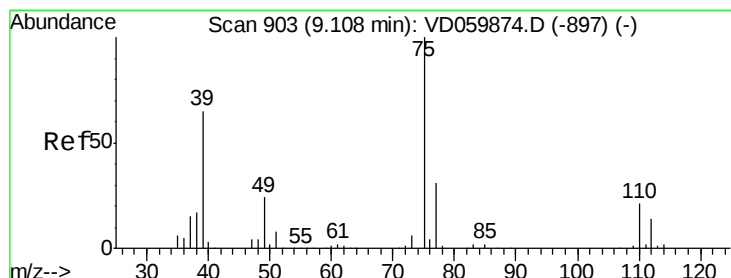
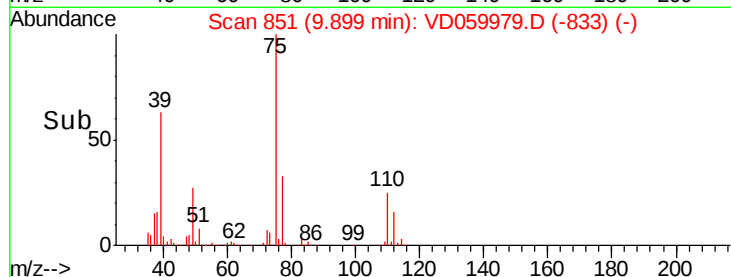
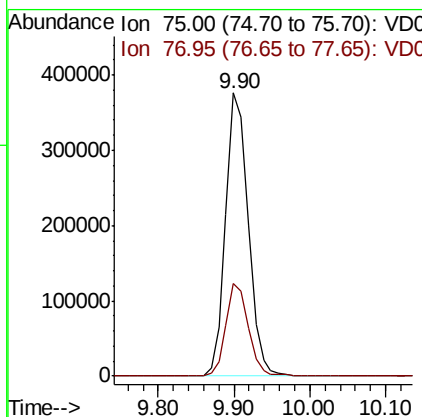
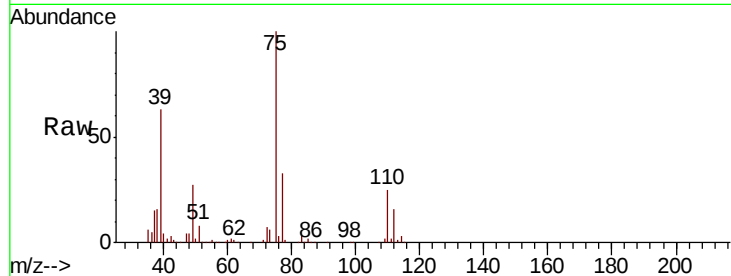




#53
 t-1,3-Dichloropropene
 Concen: 50.52 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

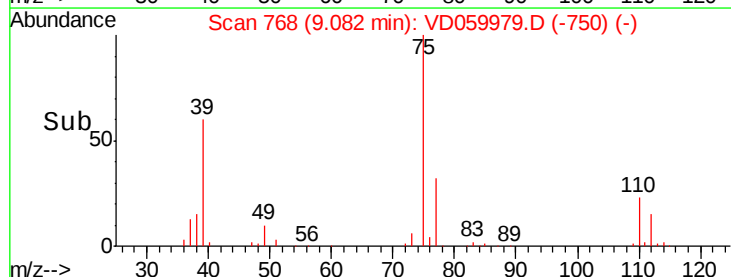
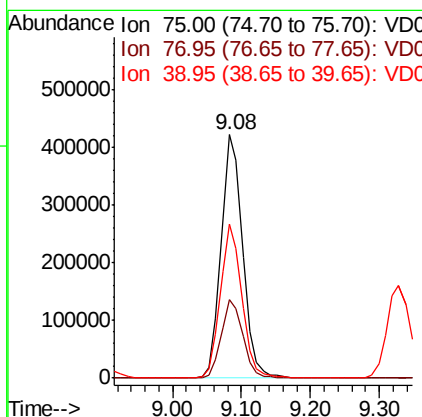
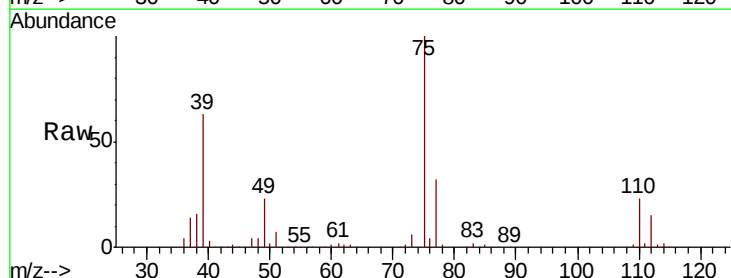
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

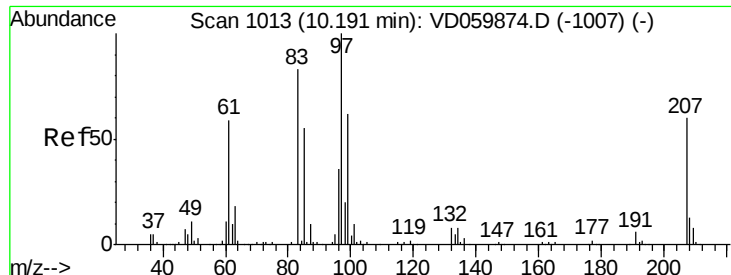
Tot Ion: 75 Resp: 781294
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.16 ug/l
 RT: 9.08 min Scan# 768
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion: 75 Resp: 917257
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.8 37.2
 39 63.2 52.1 78.1

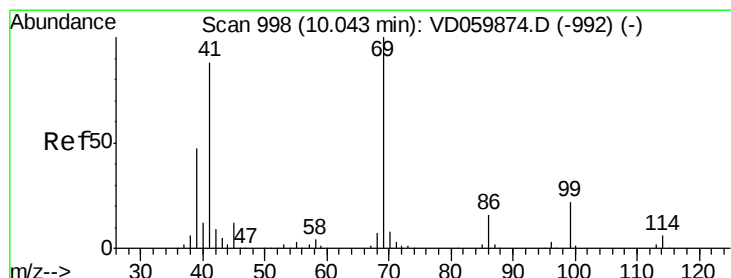
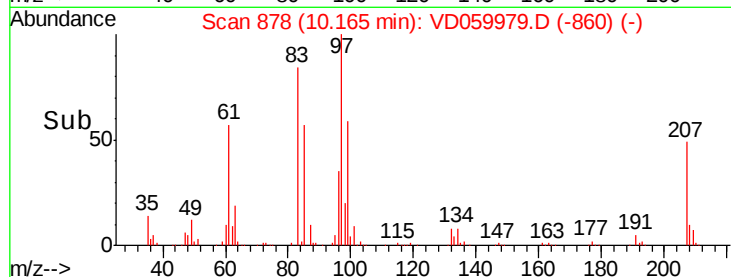
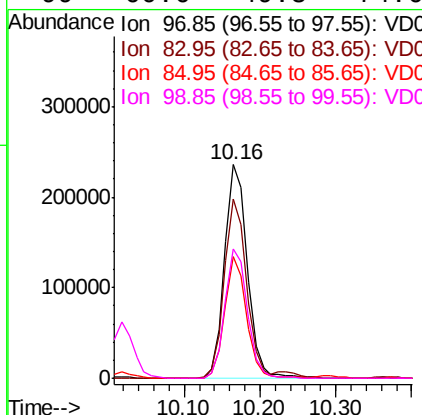
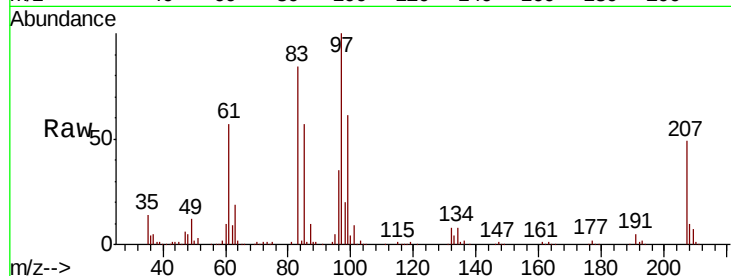




#55
 1,1,2-Trichloroethane
 Concen: 51.10 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

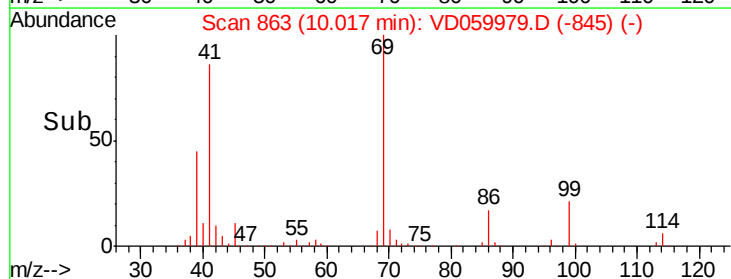
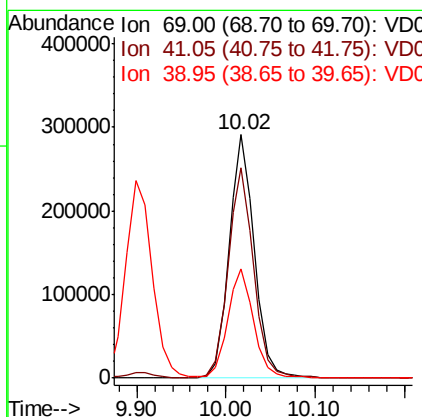
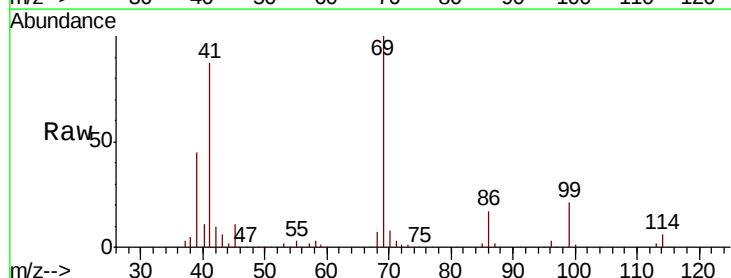
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

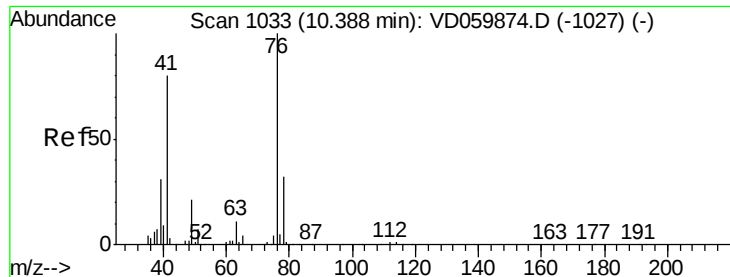
Tot Ion:	97	Resp:	492159
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.7	100.1
85	56.8	43.8	65.6
99	60.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 51.89 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion:	69	Resp:	576791
Ion	Ratio	Lower	Upper
69	100		
41	86.5	71.0	106.4
39	44.6	38.5	57.7

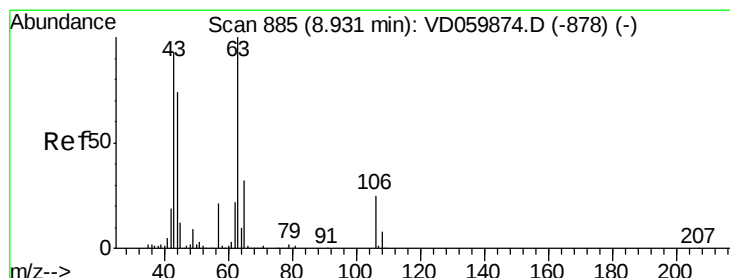
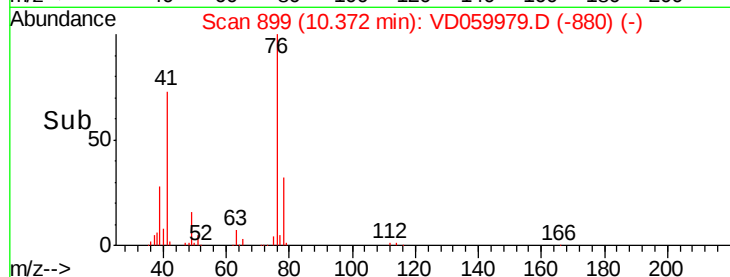
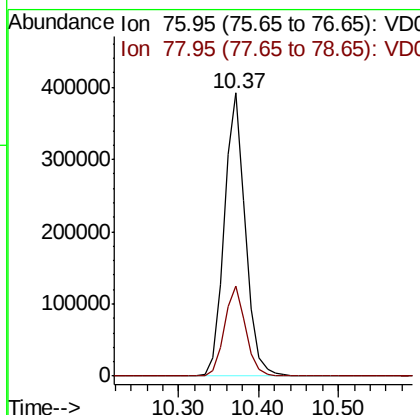
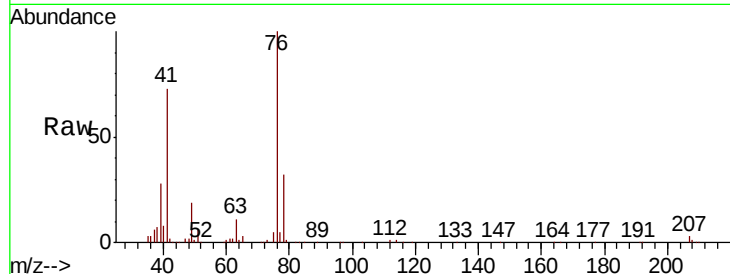




#57
 1,3-Dichloropropane
 Concen: 52.43 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

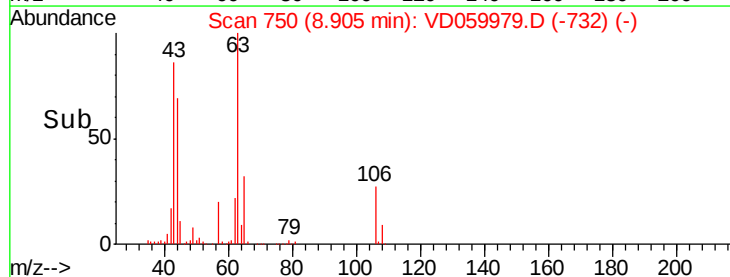
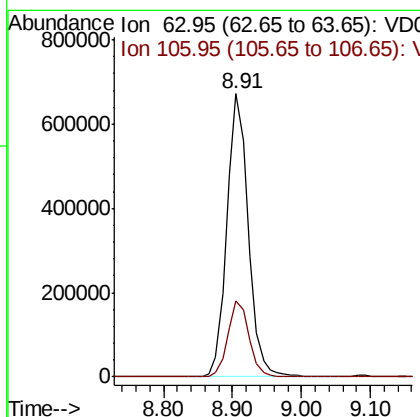
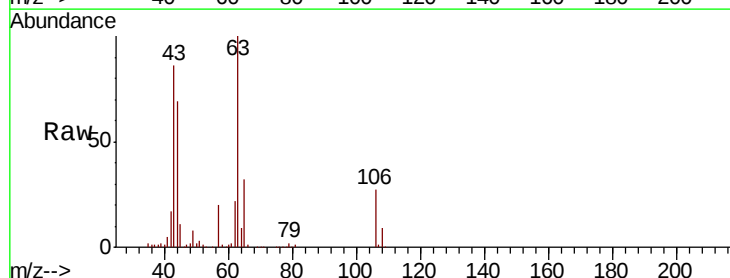
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

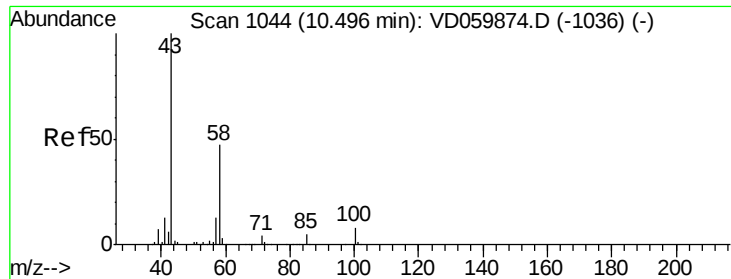
Tot Ion: 76 Resp: 730946
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.27 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion: 63 Resp: 1441173
 Ion Ratio Lower Upper
 63 100
 106 26.8 20.1 30.1

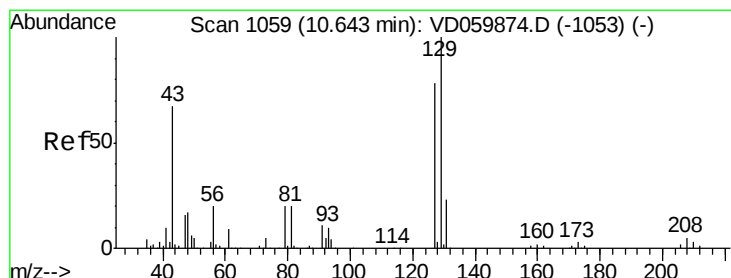
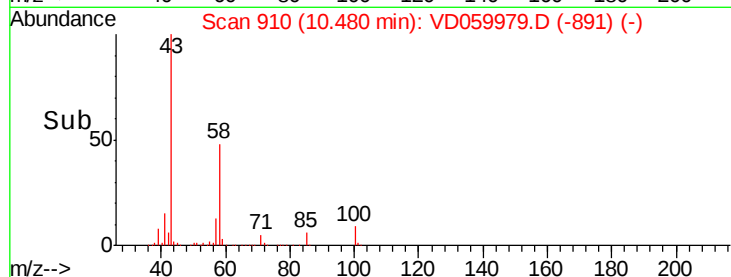
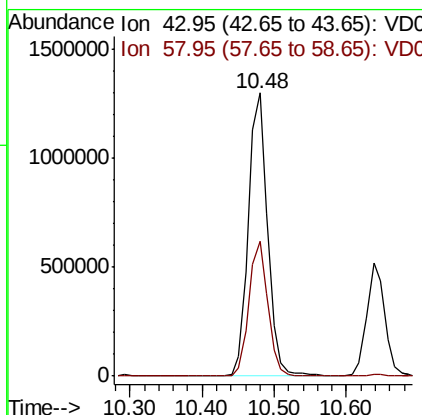
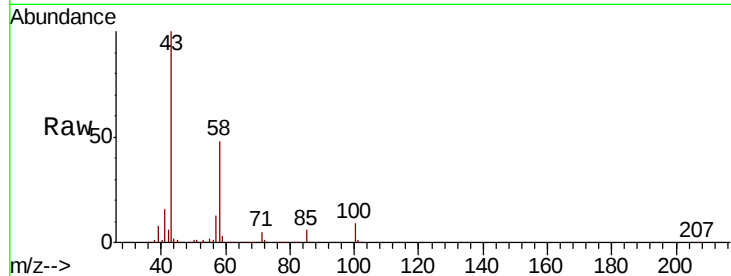




#59
2-Hexanone
Concen: 276.72 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

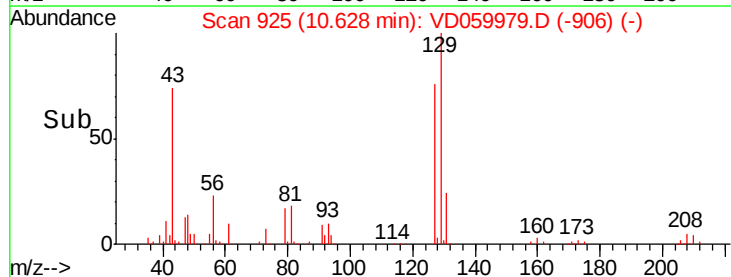
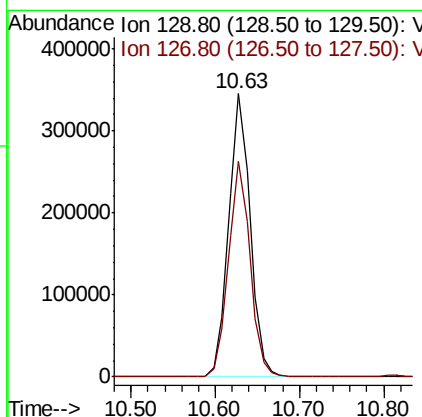
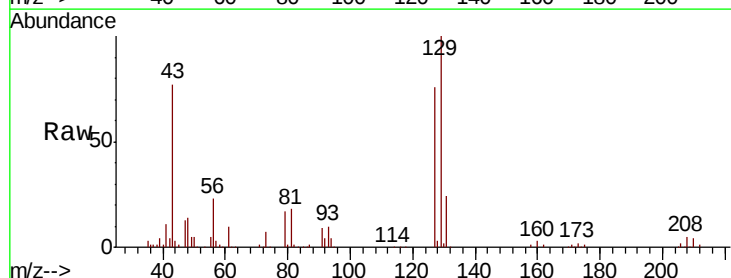
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

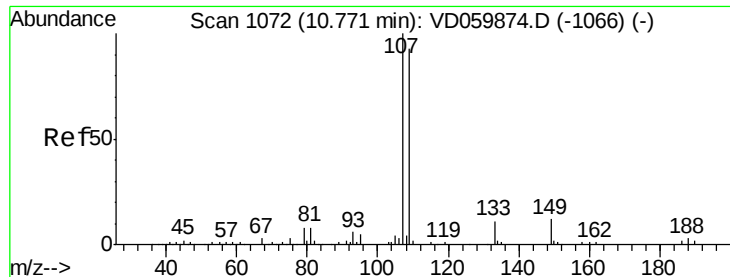
Tot Ion: 43 Resp: 2434389
Ion Ratio Lower Upper
43 100
58 47.8 23.3 69.8



#60
Dibromochloromethane
Concen: 50.73 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 129 Resp: 614117
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 53.05 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

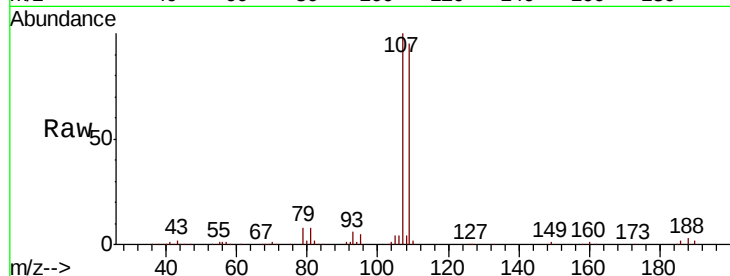
VSTDCCC050

Tot Ion:107 Resp: 516620

Ion Ratio Lower Upper

107 100

109 95.1 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

300000

200000

100000

0

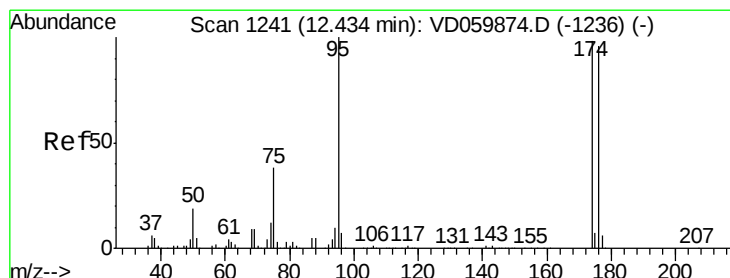
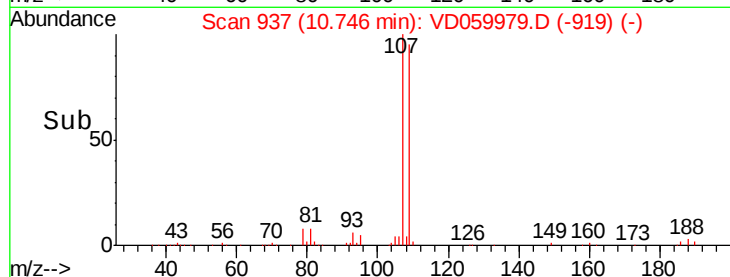
10.75

10.70

10.80

10.90

Time-->



#62

4-Bromofluorobenzene

Concen: 53.05 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

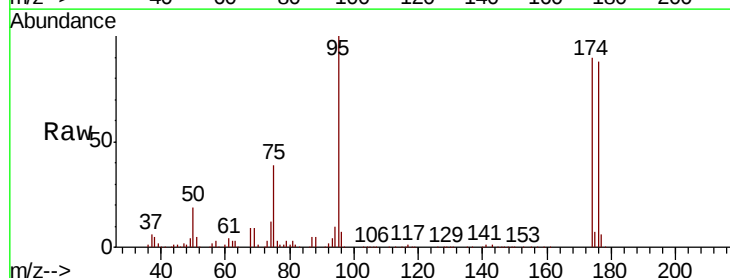
Tgt Ion: 95 Resp: 794818

Ion Ratio Lower Upper

95 100

174 89.8 0.0 195.6

176 87.9 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

600000

400000

200000

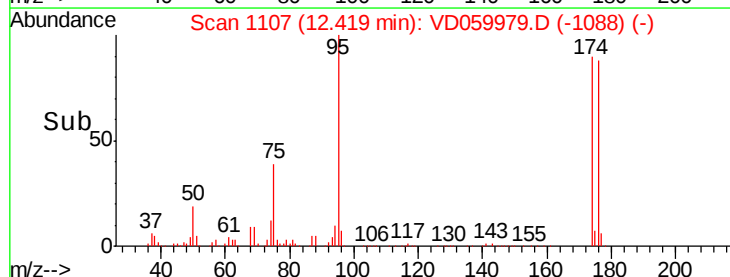
0

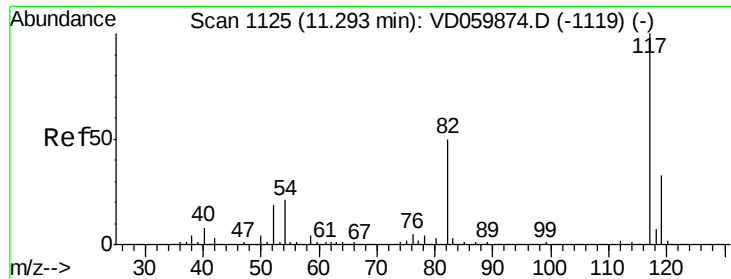
12.42

12.40

12.50

Time-->

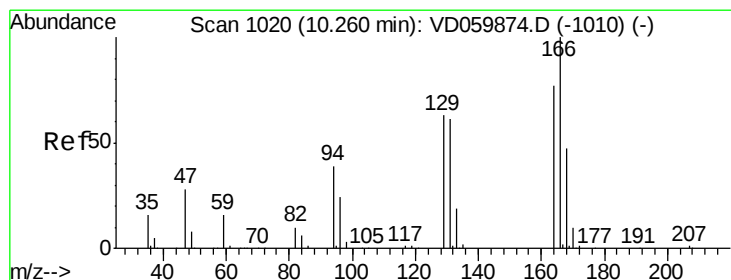
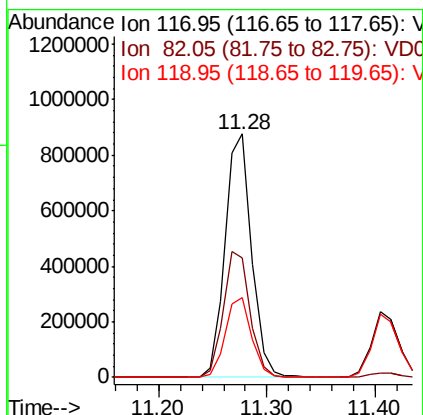
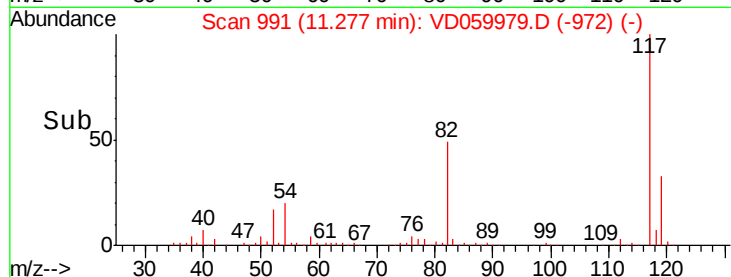
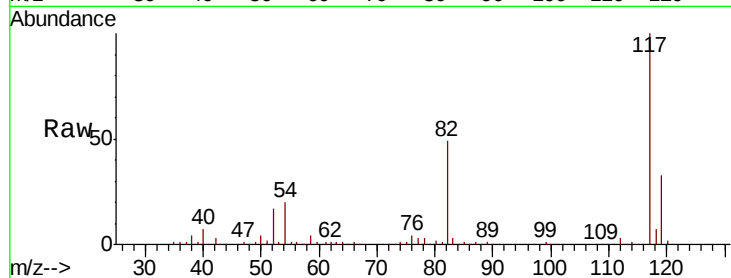




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

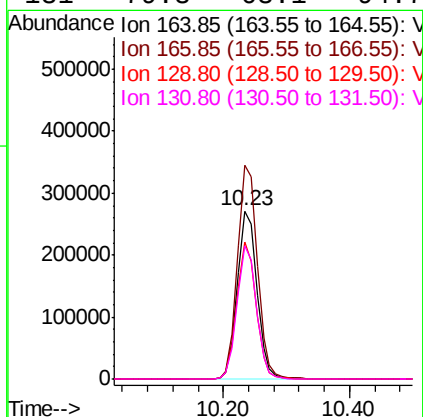
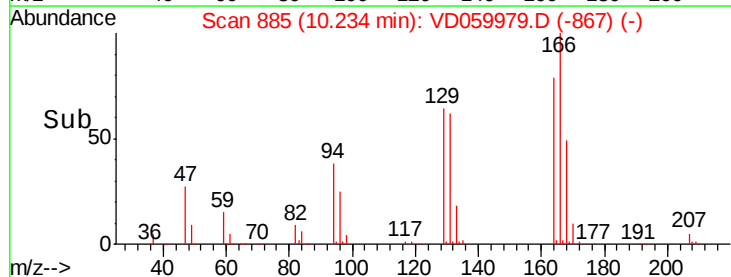
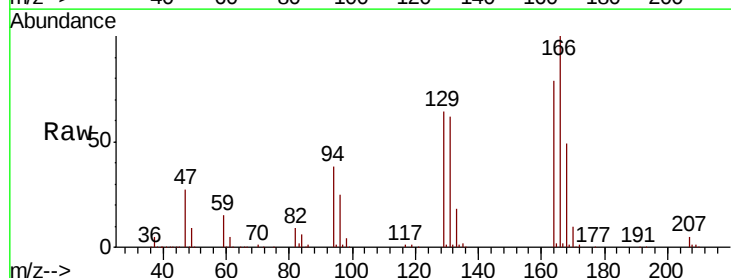
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

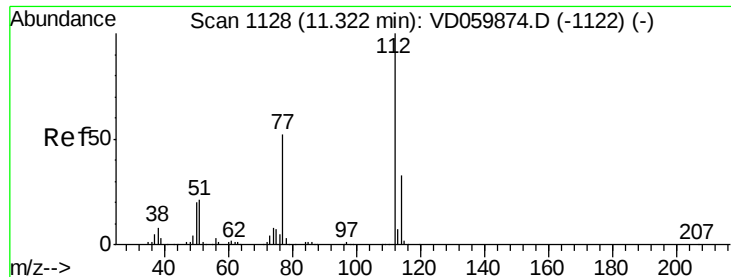
Tot Ion:117 Resp: 1491044
Ion Ratio Lower Upper
117 100
82 49.0 40.1 60.1
119 32.6 26.7 40.1



#64
Tetrachloroethene
Concen: 50.32 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion:164 Resp: 580127
Ion Ratio Lower Upper
164 100
166 127.0 103.4 155.2
129 81.8 65.2 97.8
131 79.3 63.1 94.7

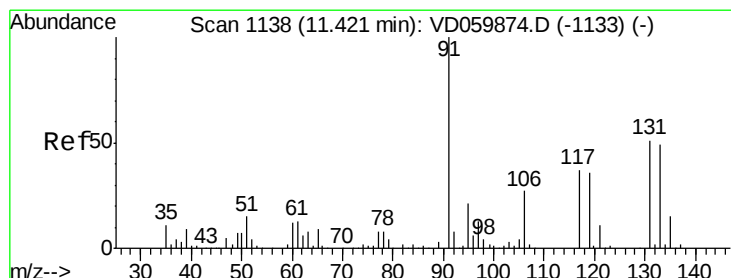
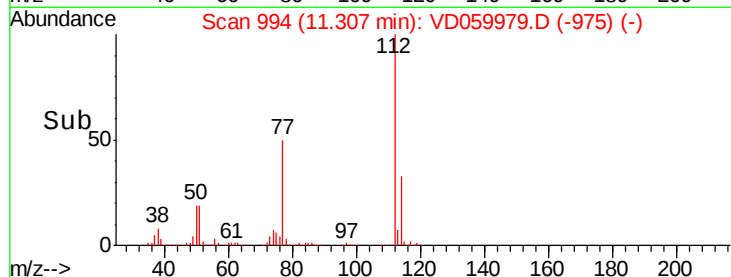
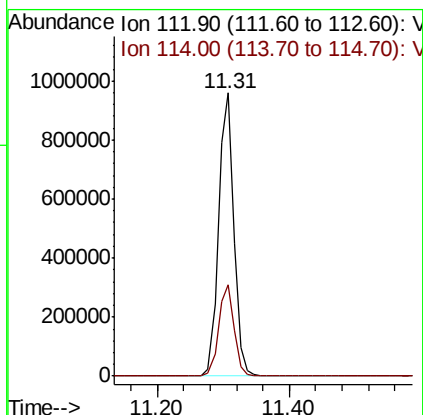
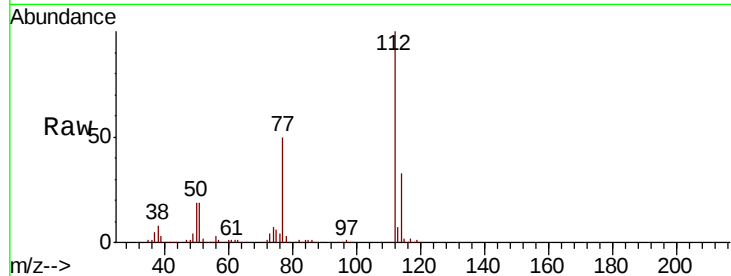




#65
Chlorobenzene
Concen: 52.05 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

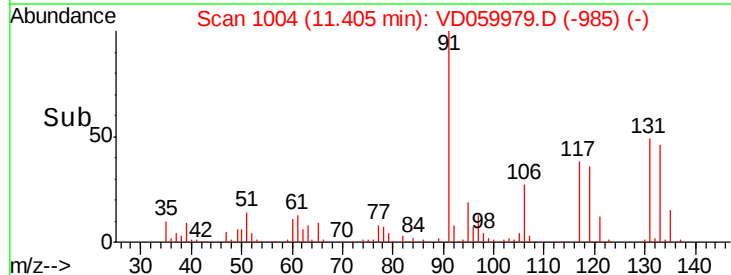
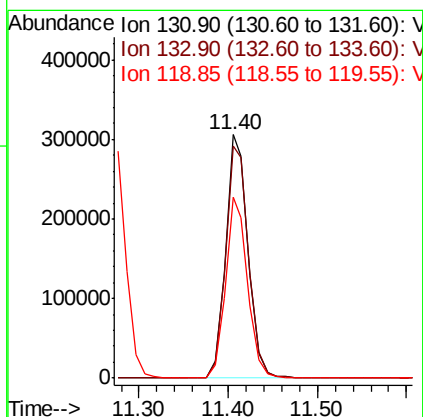
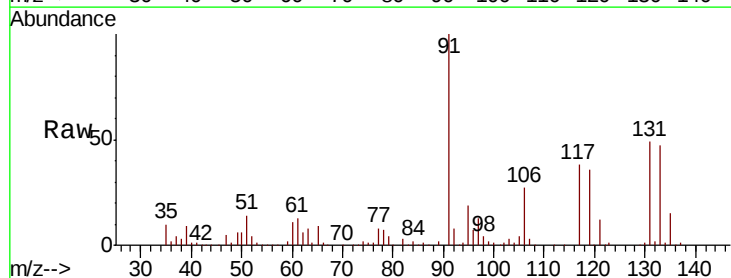
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1542100
Ion Ratio Lower Upper
112 100
114 32.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.80 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion:131 Resp: 539088
Ion Ratio Lower Upper
131 100
133 95.2 48.3 144.8
119 74.4 35.4 106.3

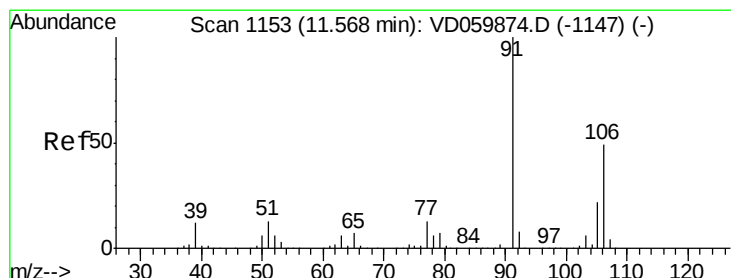
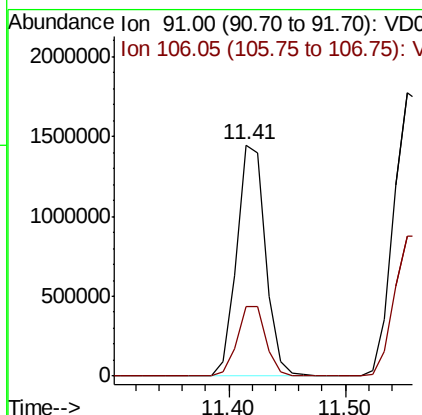
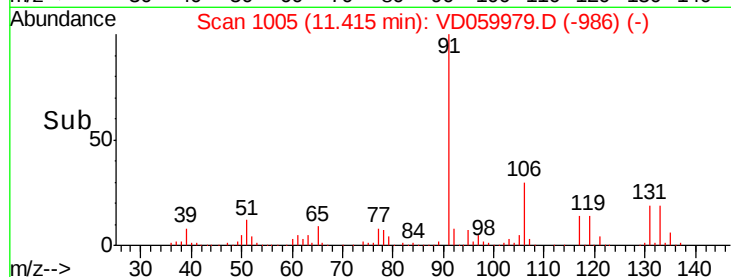
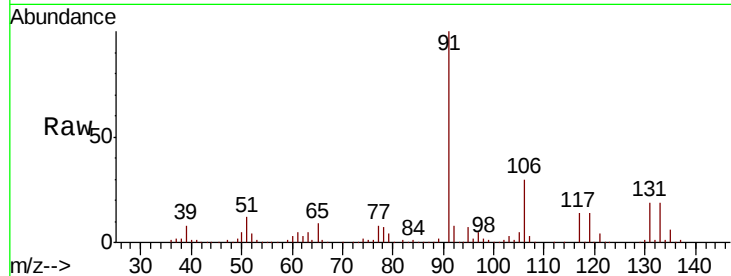




#67
Ethyl Benzene
Concen: 49.65 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

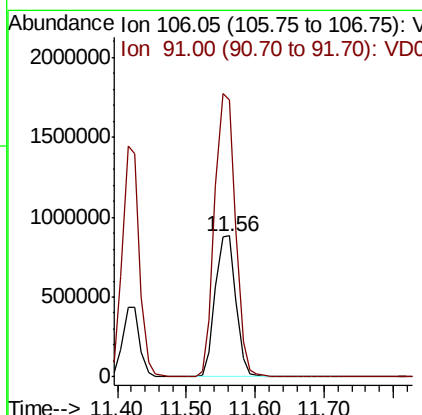
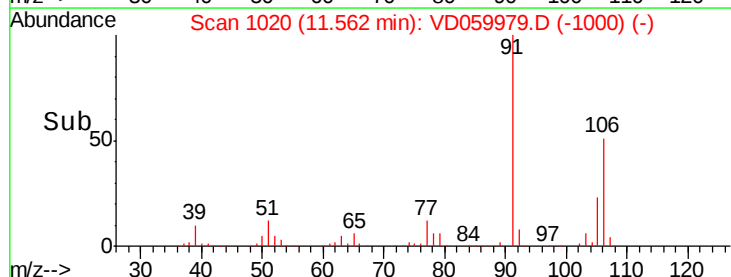
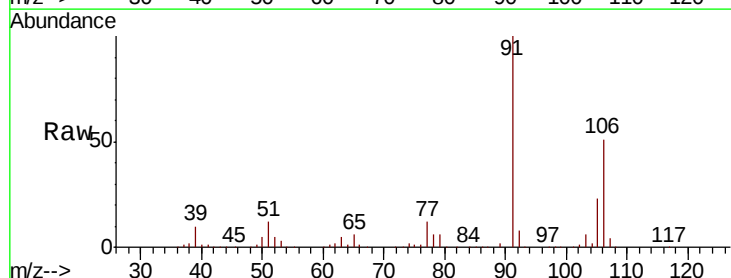
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

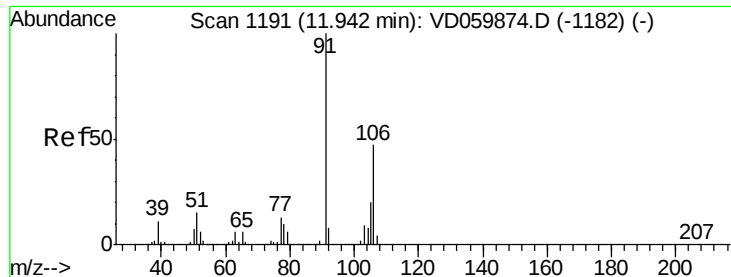
Tot Ion: 91 Resp: 2474918
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8



#68
m/p-Xylenes
Concen: 101.55 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 106 Resp: 1843064
Ion Ratio Lower Upper
106 100
91 196.5 162.0 243.0

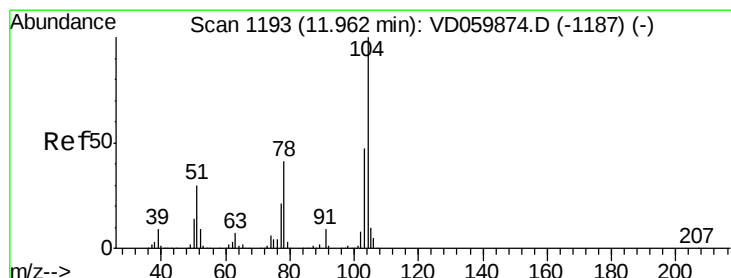
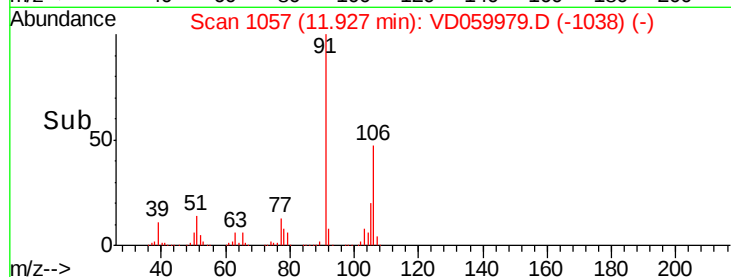
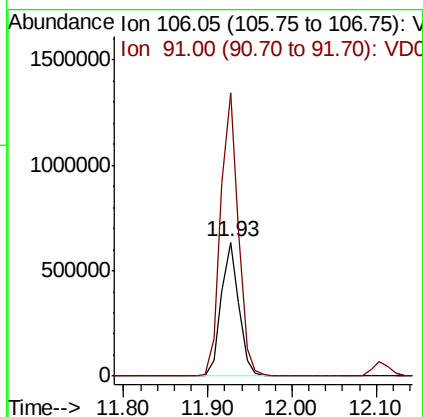
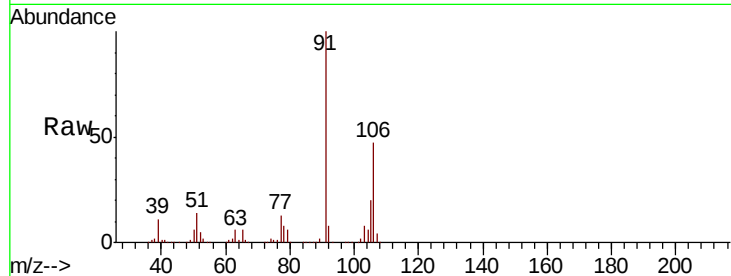




#69
o-Xylene
Concen: 52.25 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

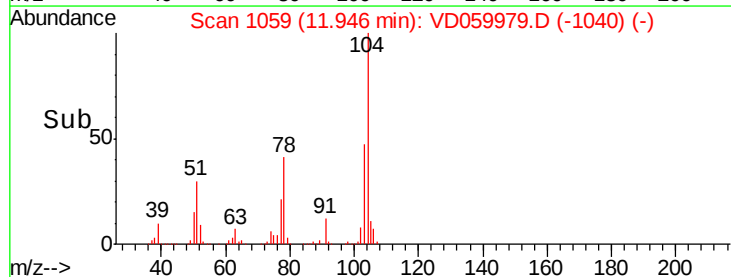
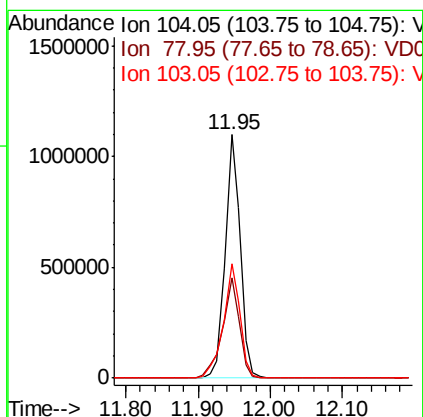
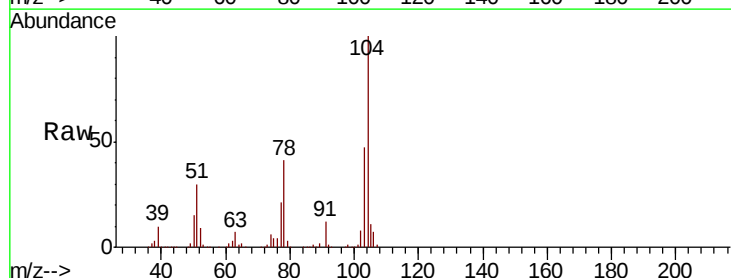
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 927575
Ion Ratio Lower Upper
106 100
91 210.8 107.3 322.0



#70
Styrene
Concen: 51.40 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion:104 Resp: 1579731
Ion Ratio Lower Upper
104 100
78 41.1 32.6 49.0
103 46.7 37.7 56.5

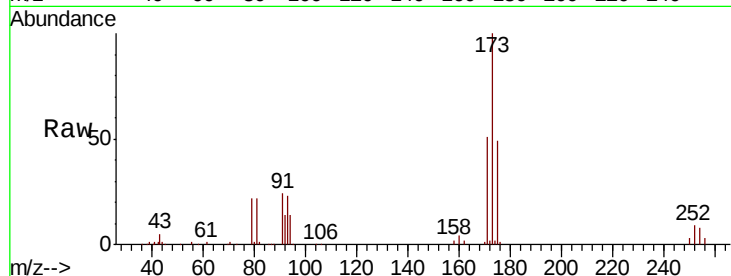




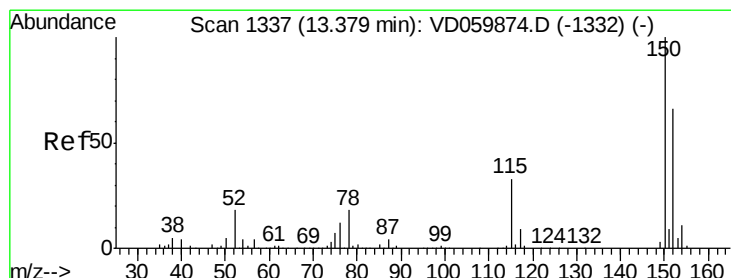
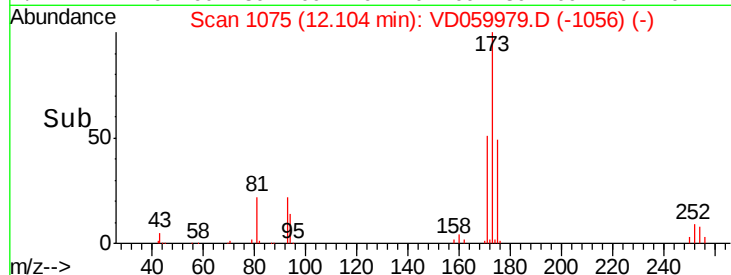
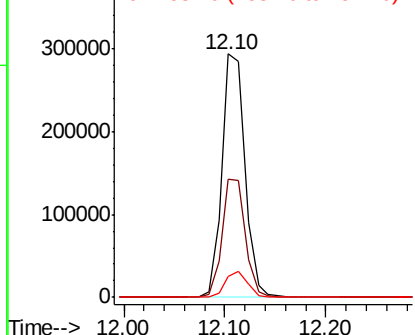
#71
Bromoform
Concen: 49.89 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 467256
Ion Ratio Lower Upper
173 100
175 48.7 24.3 73.0
254 8.4 7.0 10.6

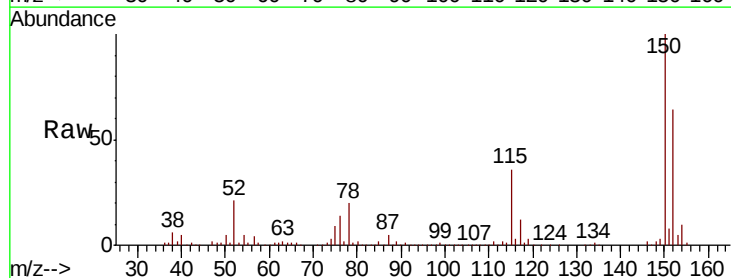


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

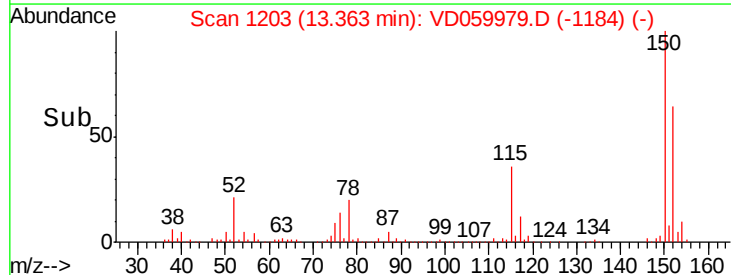
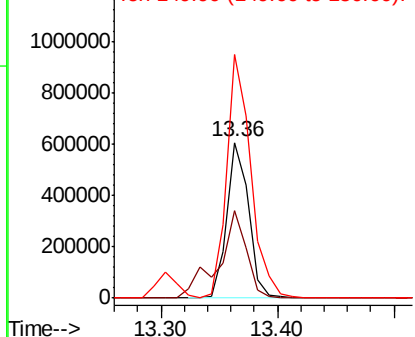


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion:152 Resp: 787224
Ion Ratio Lower Upper
152 100
115 56.6 25.7 77.0
150 156.5 0.0 310.2



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

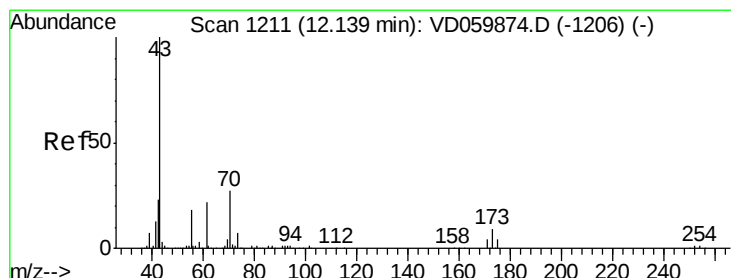
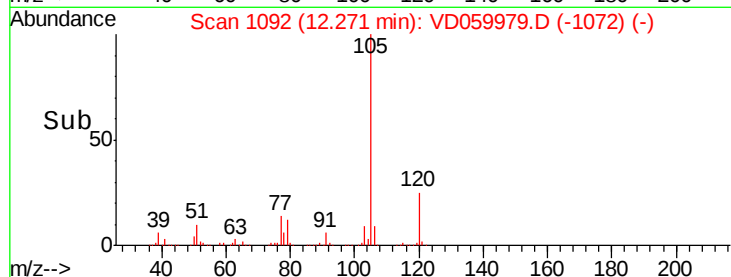
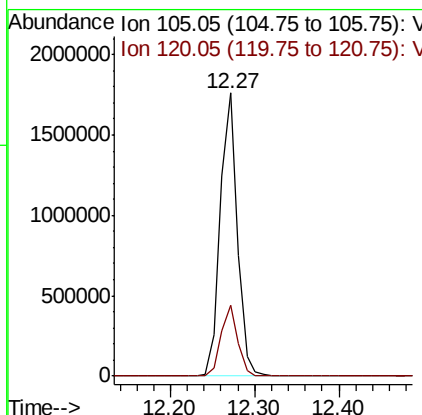
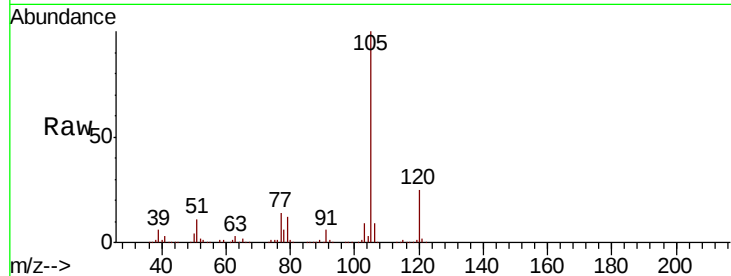




#73
Isopropylbenzene
Concen: 49.40 ug/l
RT: 12.27 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

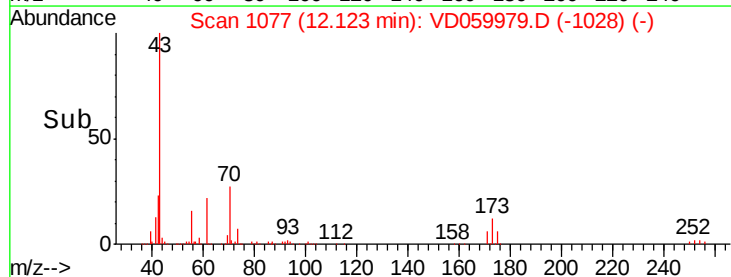
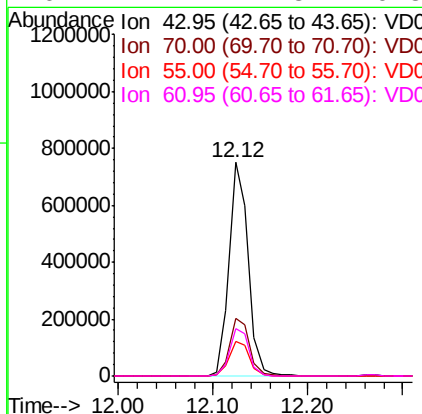
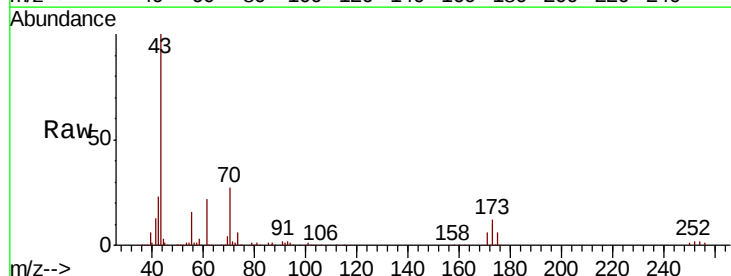
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

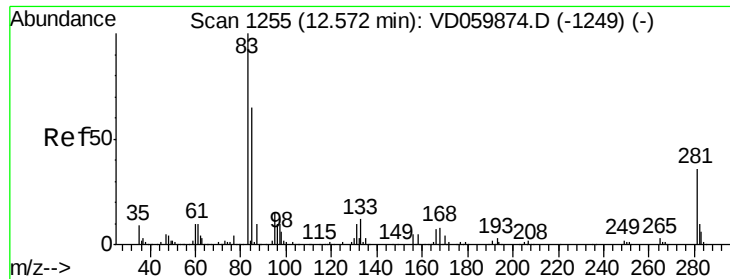
Tot Ion:105 Resp: 2482492
Ion Ratio Lower Upper
105 100
120 25.0 11.8 35.4



#74
N-ethyl acetate
Concen: 47.61 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 43 Resp: 1047560
Ion Ratio Lower Upper
43 100
70 27.1 21.4 32.2
55 16.4 14.1 21.1
61 22.1 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.35 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

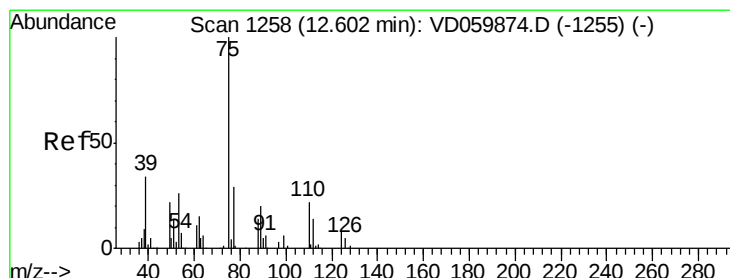
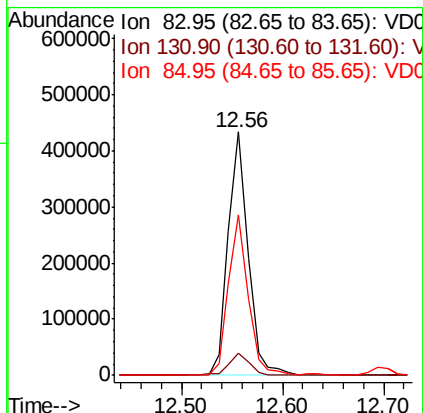
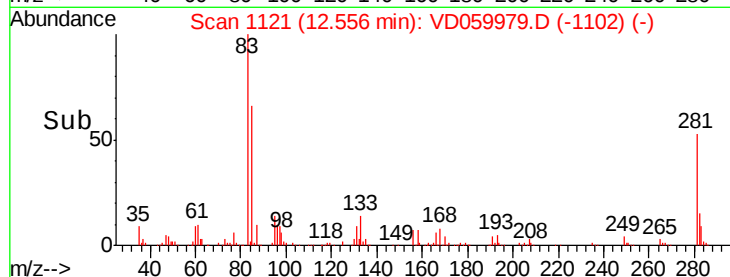
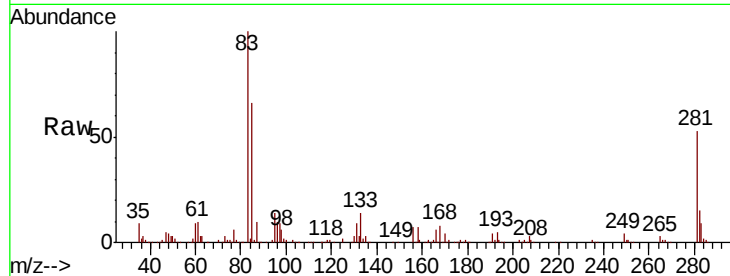
Tot Ion: 83 Resp: 596816

Ion Ratio Lower Upper

83 100

131 9.0 4.8 14.4

85 65.8 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 49.29 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD059979.D

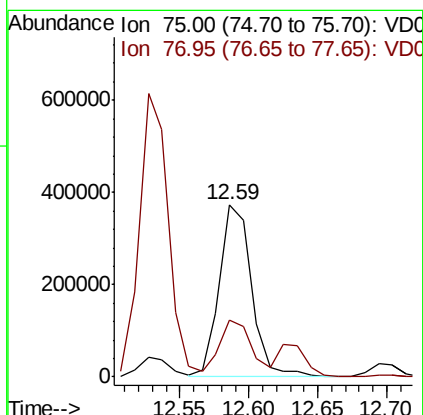
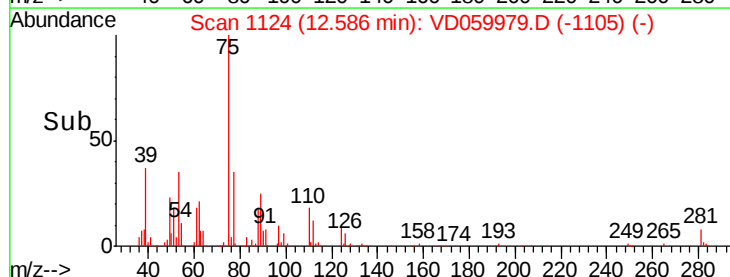
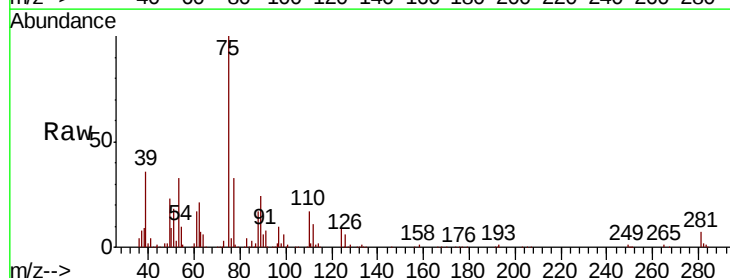
Acq: 6 Sep 2018 11:40

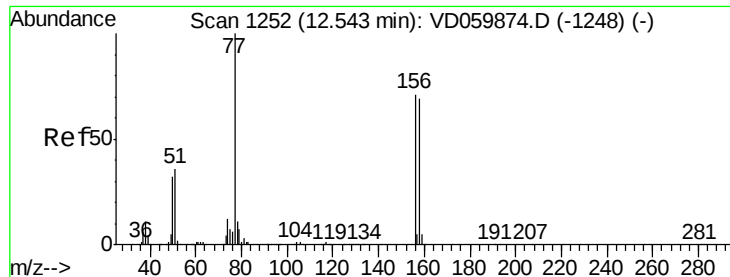
Tgt Ion: 75 Resp: 603110

Ion Ratio Lower Upper

75 100

77 33.0 16.4 49.2





#77

Bromobenzene

Concen: 52.42 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

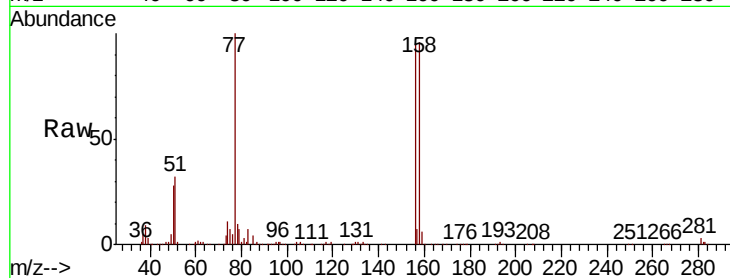
Tot Ion:156 Resp: 730314

Ion Ratio Lower Upper

156 100

77 105.8 70.2 210.4

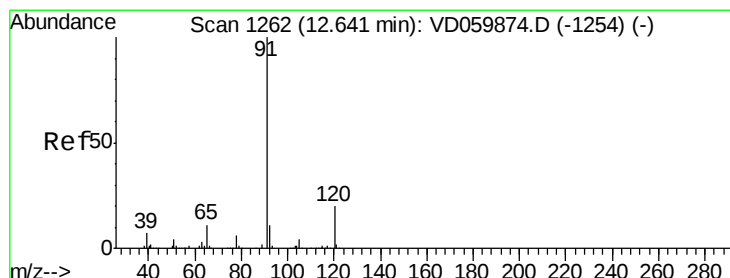
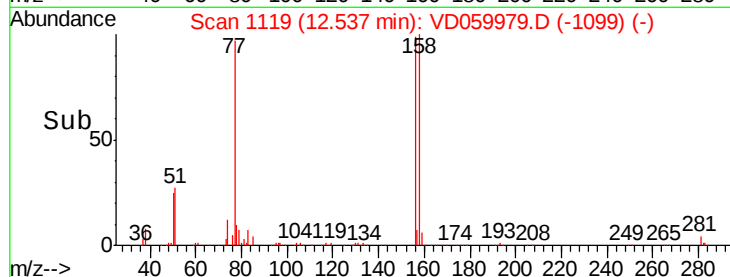
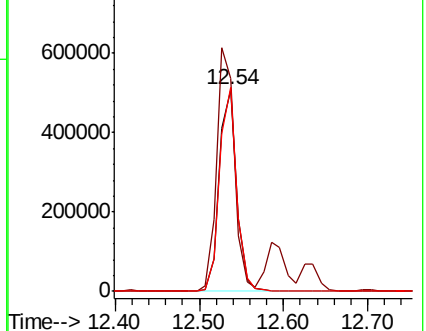
158 101.3 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.70 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD059979.D

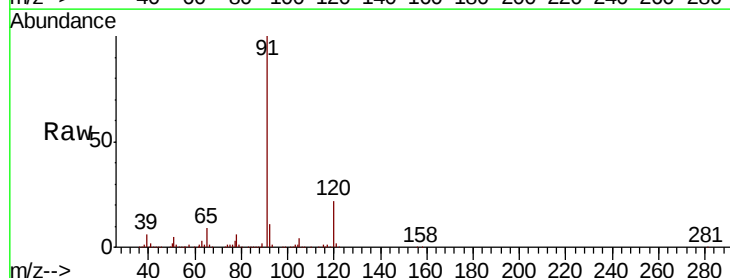
Acq: 6 Sep 2018 11:40

Tgt Ion: 91 Resp: 3035187

Ion Ratio Lower Upper

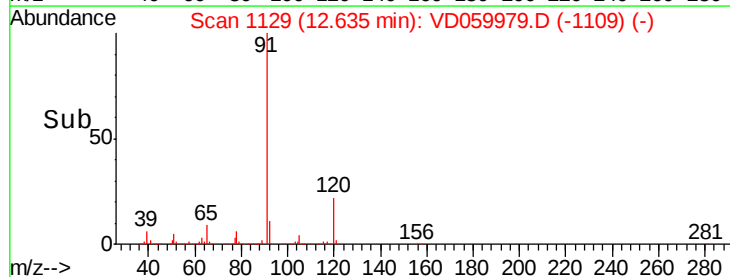
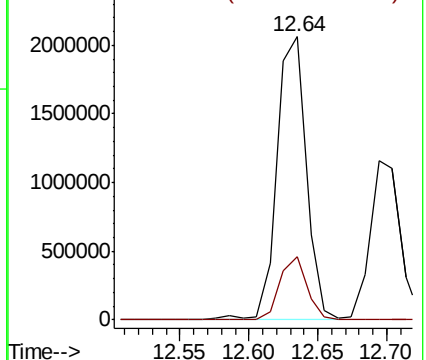
91 100

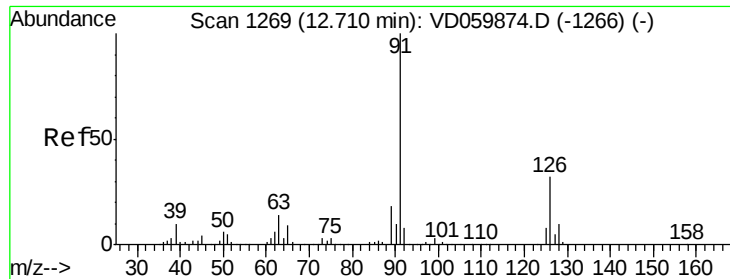
120 22.2 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

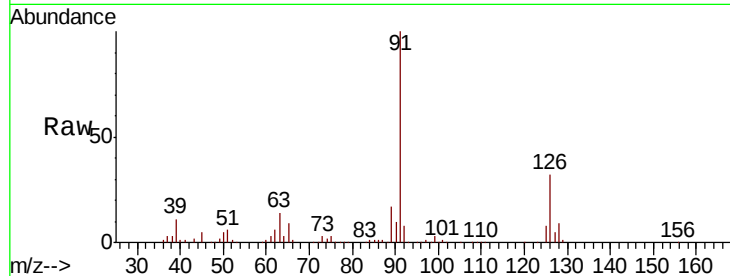




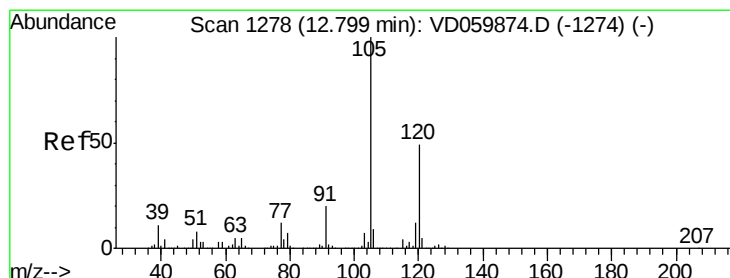
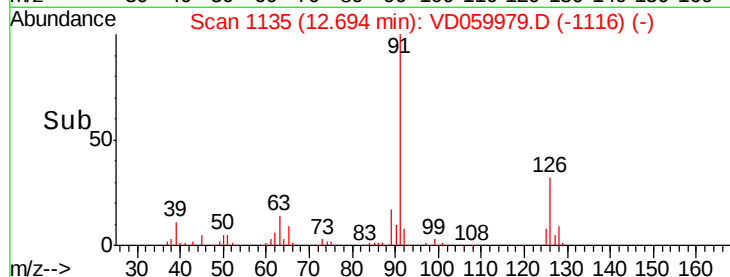
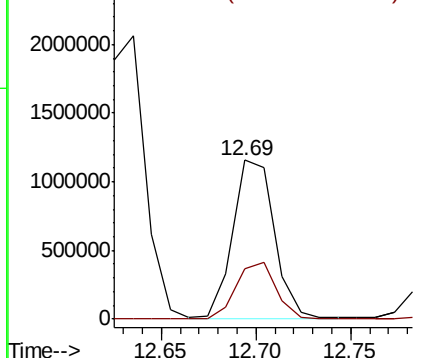
#79
 2-Chlorotoluene
 Concen: 48.79 ug/l
 RT: 12.69 min Scan# 1135
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1755577
 Ion Ratio Lower Upper
 91 100
 126 31.6 16.1 48.2

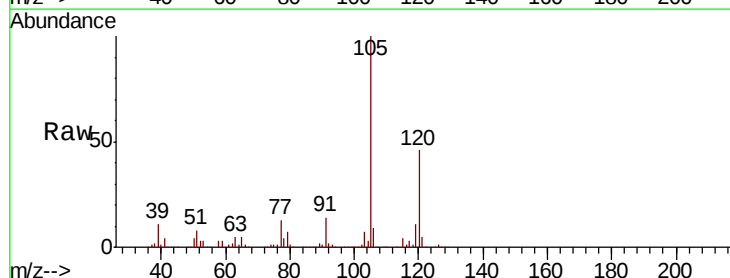


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

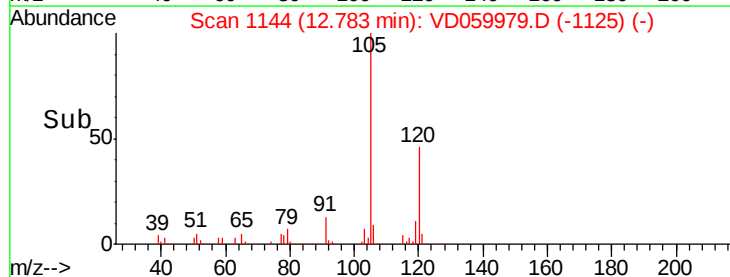
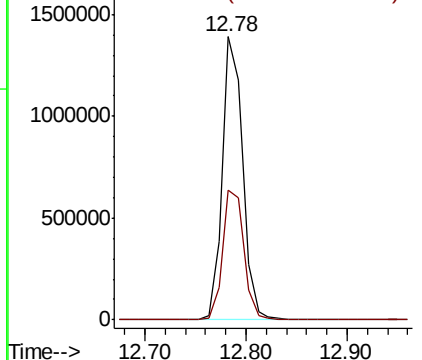


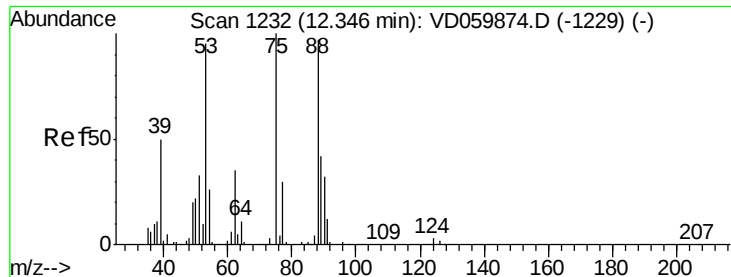
#80
 1,3,5-Trimethylbenzene
 Concen: 48.99 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion:105 Resp: 1957344
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.5 73.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 47.44 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

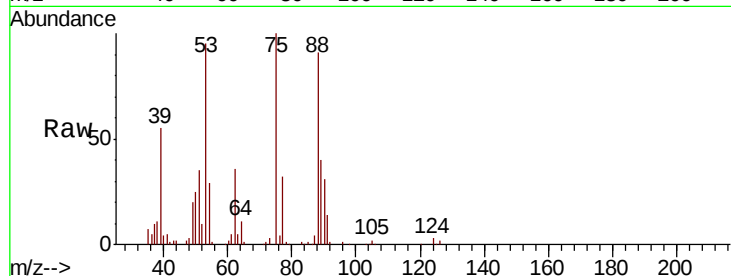
Tot Ion: 75 Resp: 180541

Ion Ratio Lower Upper

75 100

53 94.9 75.8 113.6

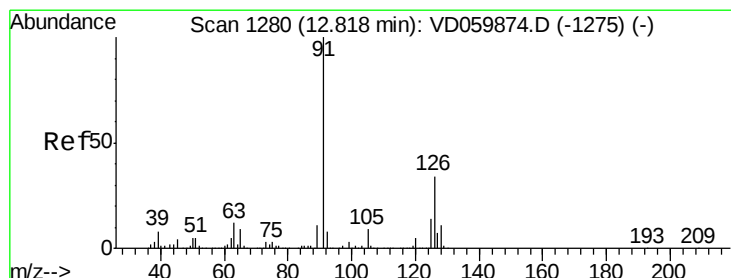
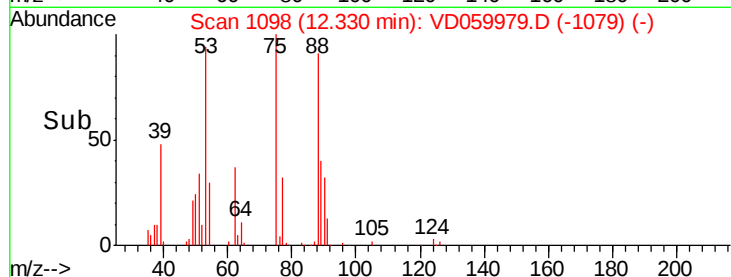
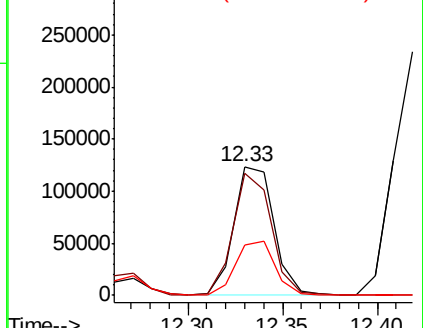
89 39.6 33.6 50.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.52 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD059979.D

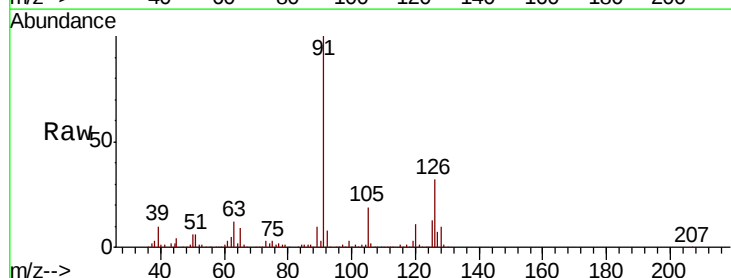
Acq: 6 Sep 2018 11:40

Tgt Ion: 91 Resp: 1991571

Ion Ratio Lower Upper

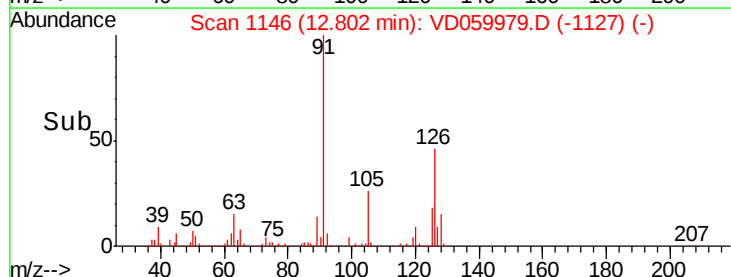
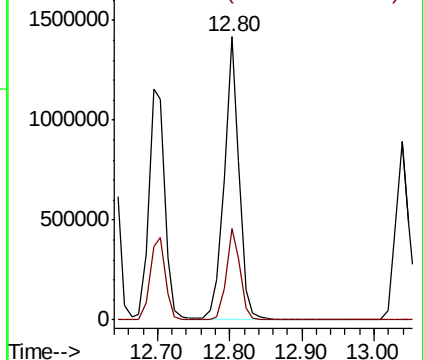
91 100

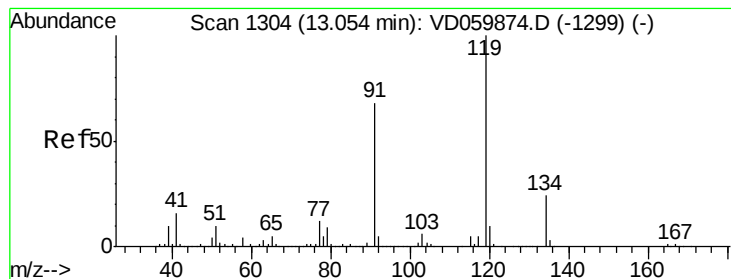
126 32.4 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 49.56 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

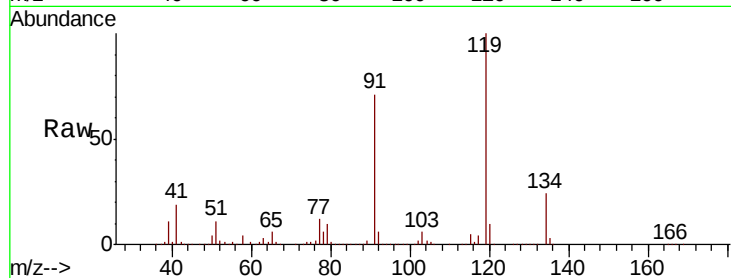
Tot Ion:119 Resp: 2255622

Ion Ratio Lower Upper

119 100

91 71.4 34.3 102.9

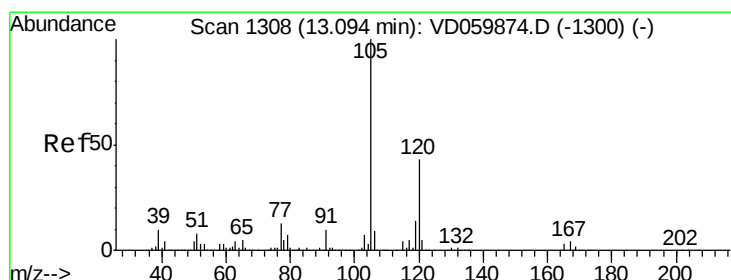
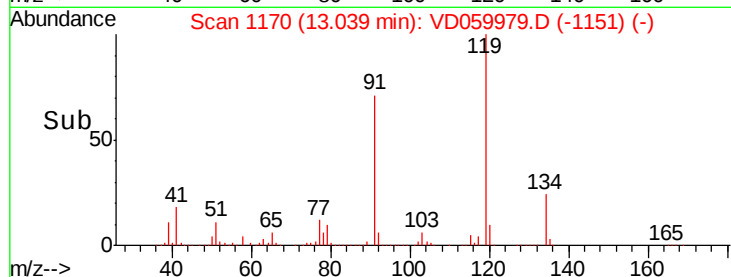
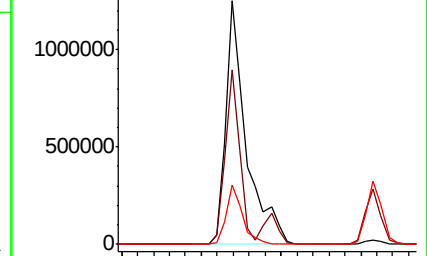
134 24.3 11.9 35.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.34 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD059979.D

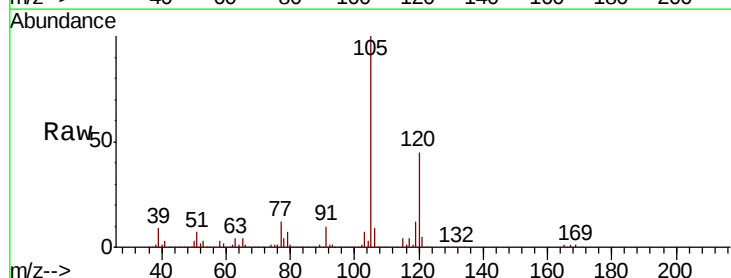
Acq: 6 Sep 2018 11:40

Tgt Ion:105 Resp: 2012865

Ion Ratio Lower Upper

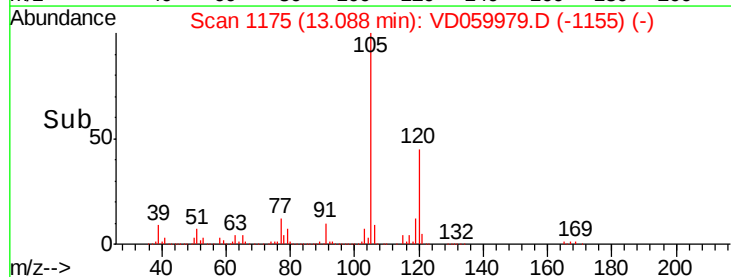
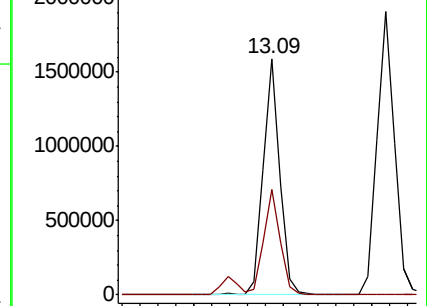
105 100

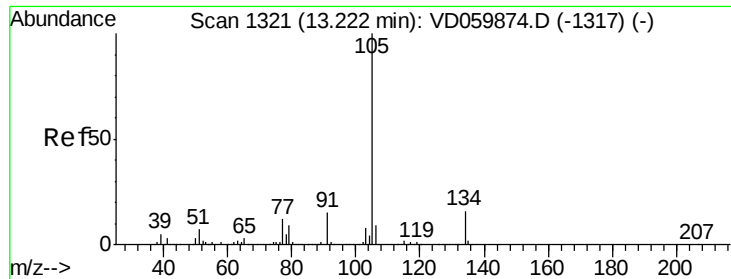
120 44.6 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

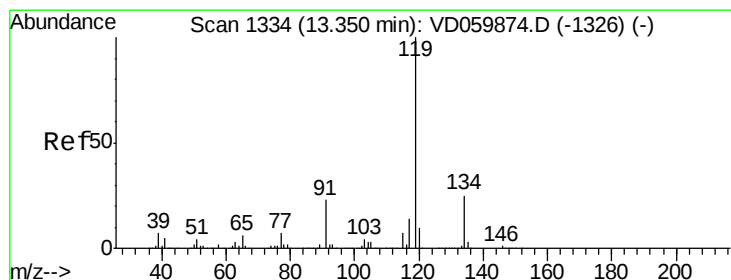
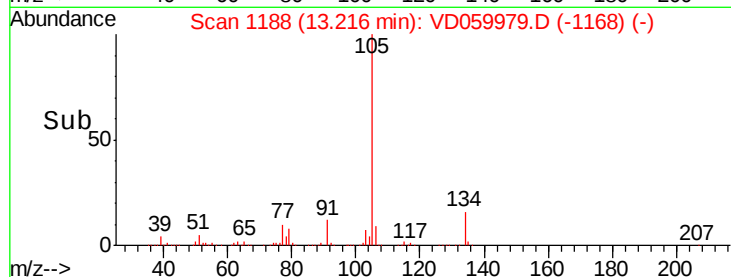
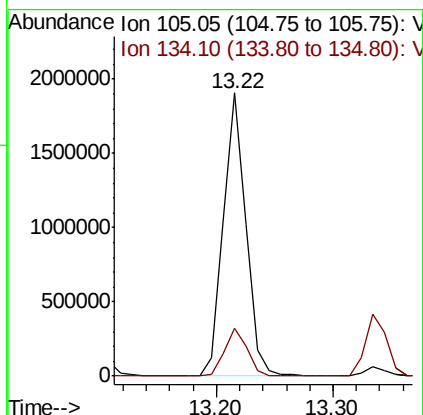
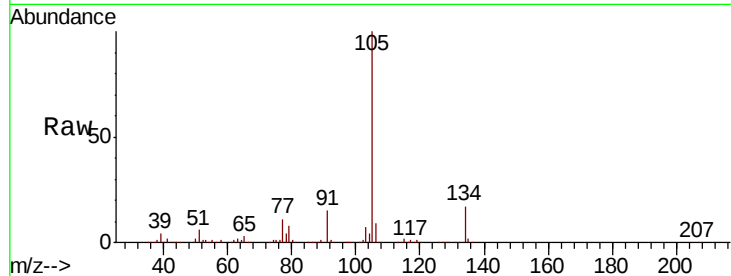




#85
 sec-Butylbenzene
 Concen: 47.67 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

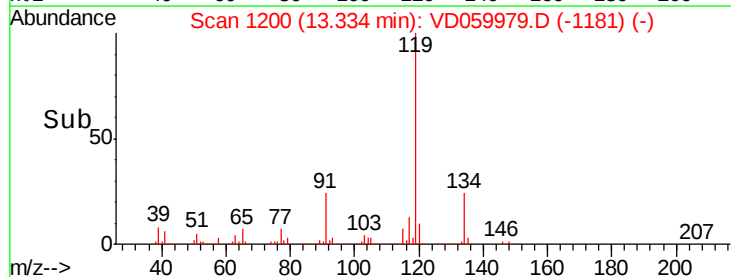
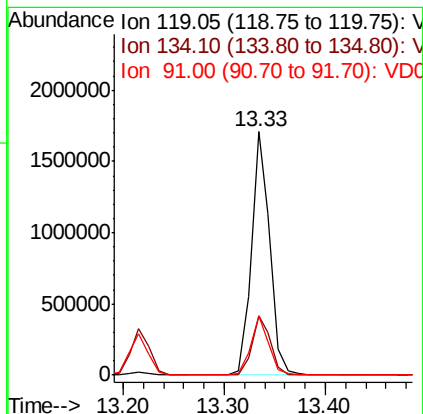
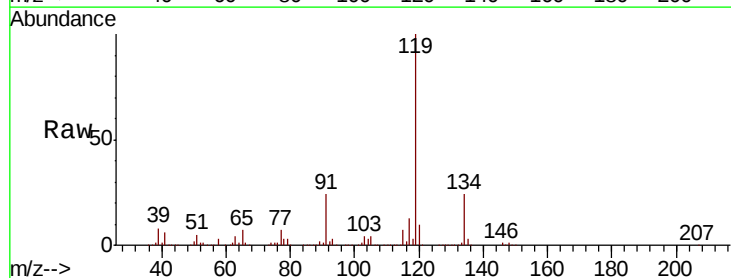
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

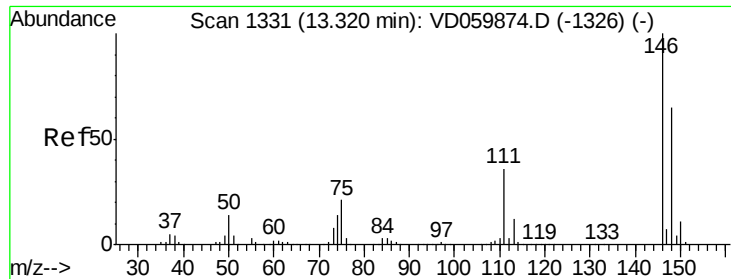
Tot Ion:105 Resp: 2551427
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 49.68 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion:119 Resp: 2162543
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.7 38.1
 91 24.1 11.7 35.0

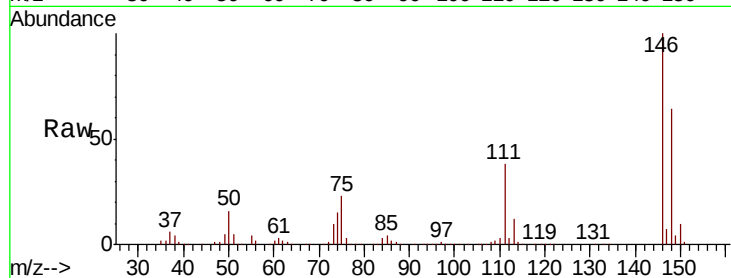




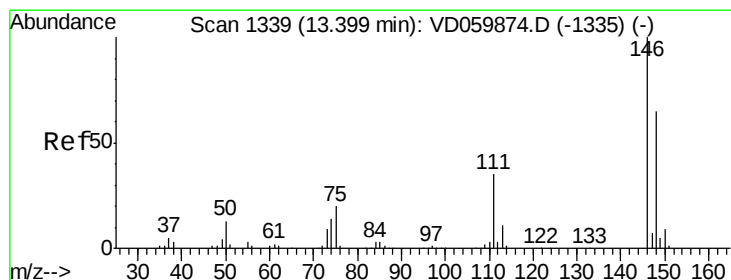
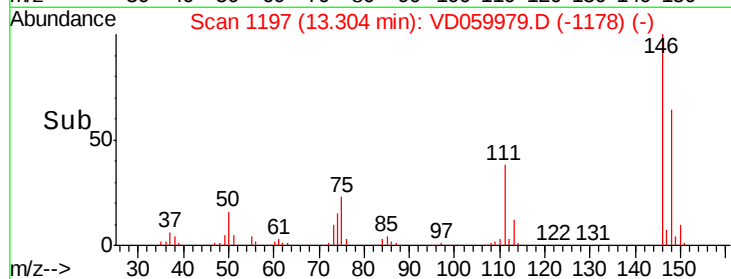
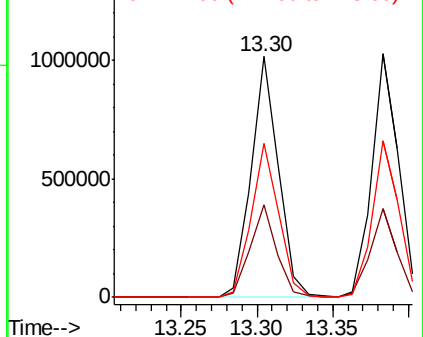
#87
 1,3-Dichlorobenzene
 Concen: 51.25 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1274847
 Ion Ratio Lower Upper
 146 100
 111 38.4 17.9 53.7
 148 64.2 32.4 97.0

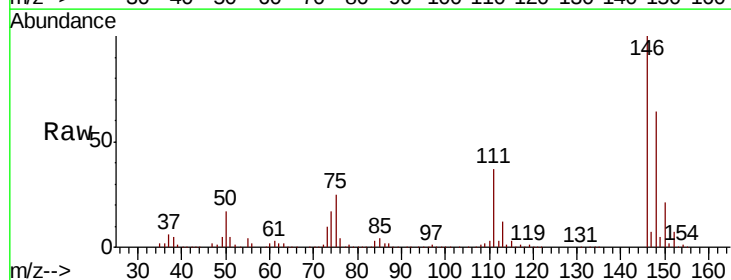


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

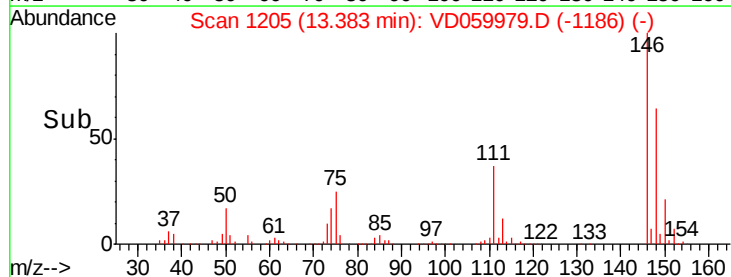
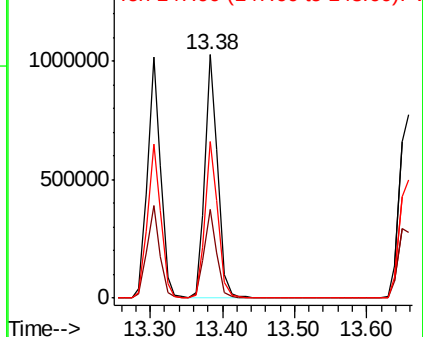


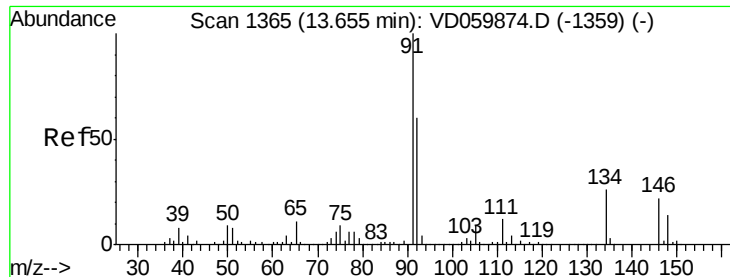
#88
 1,4-Dichlorobenzene
 Concen: 51.56 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion:146 Resp: 1279665
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.5 52.6
 148 64.2 32.5 97.5



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

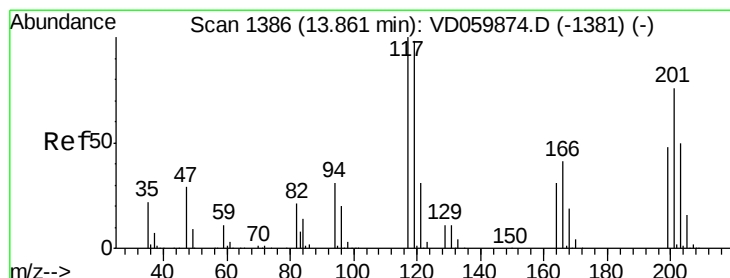
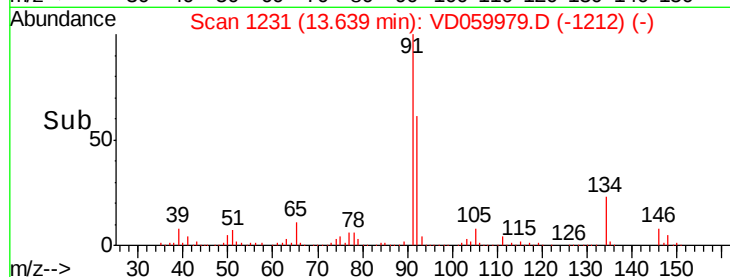
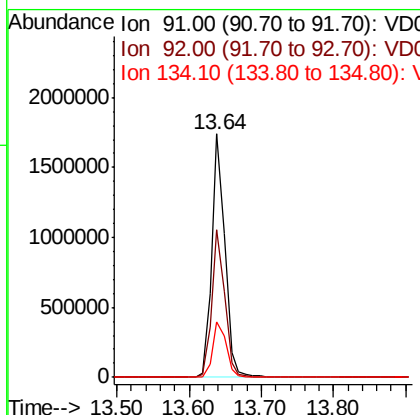
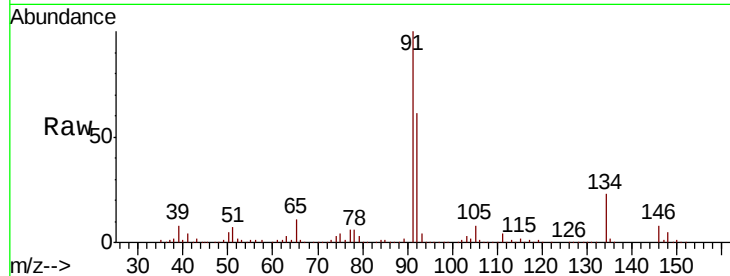




#89
n-Butylbenzene
Concen: 52.95 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

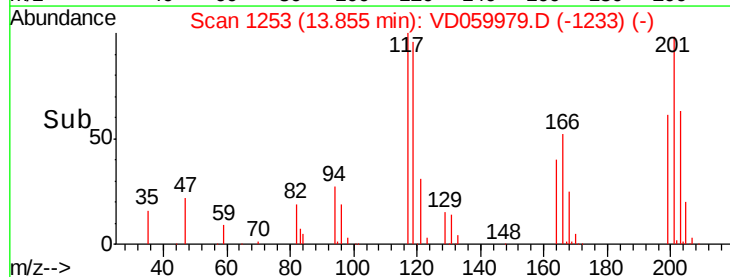
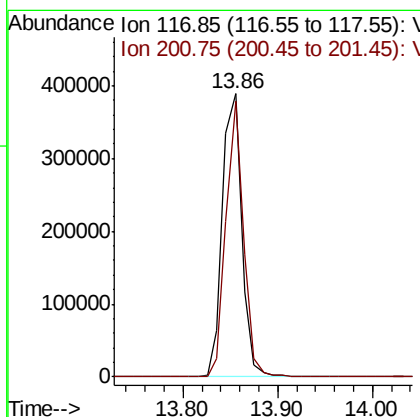
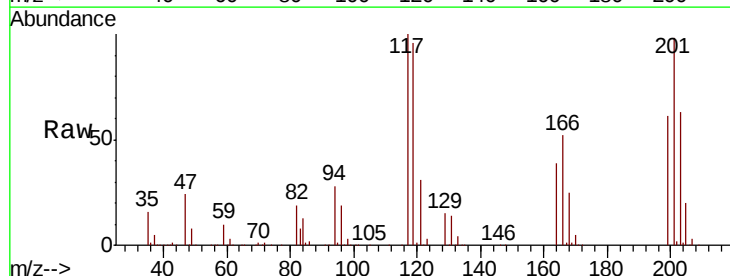
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

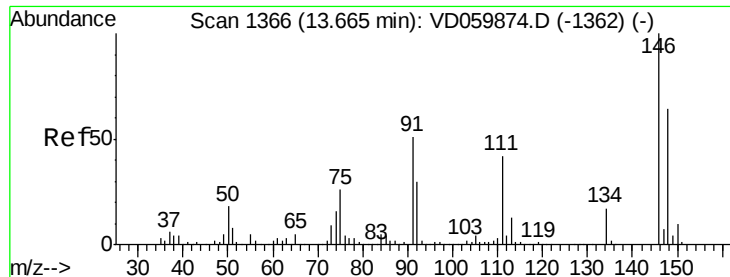
Tot Ion: 91 Resp: 2171755
Ion Ratio Lower Upper
91 100
92 60.7 30.0 90.1
134 23.0 12.8 38.4



#90
Hexachloroethane
Concen: 47.45 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 117 Resp: 554568
Ion Ratio Lower Upper
117 100
201 97.6 38.1 114.5

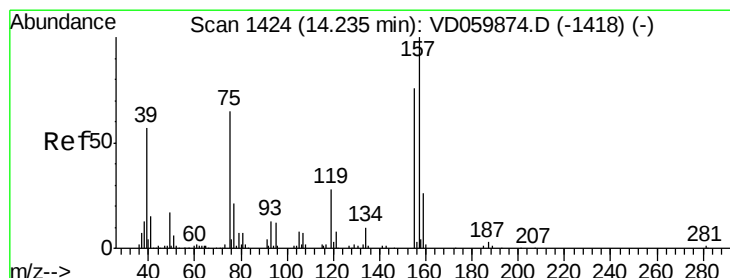
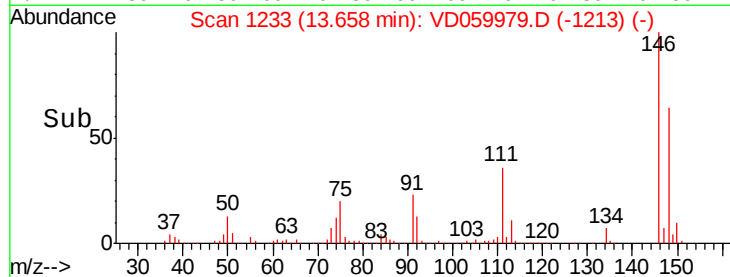
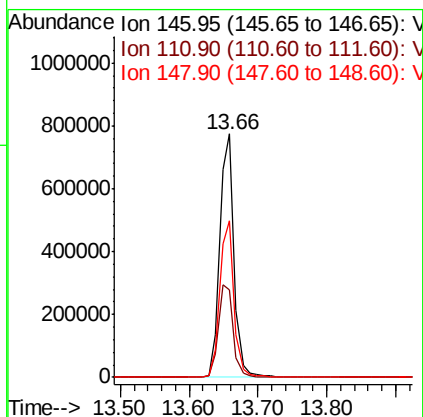
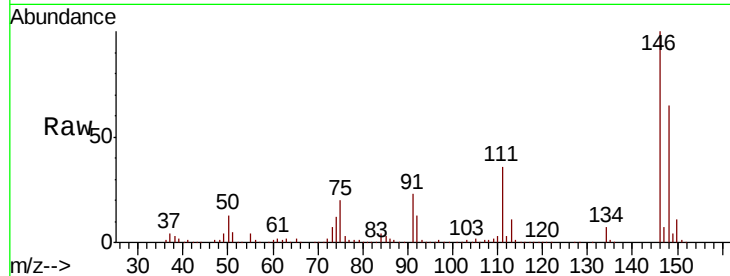




#91
 1,2-Dichlorobenzene
 Concen: 52.20 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

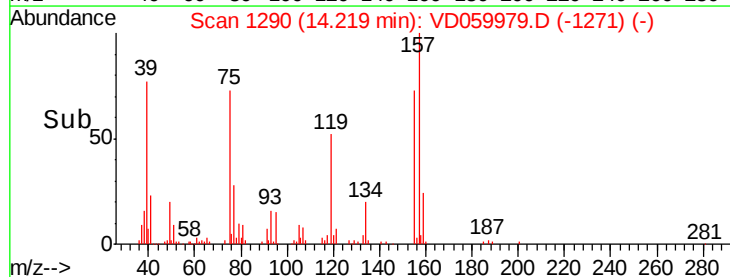
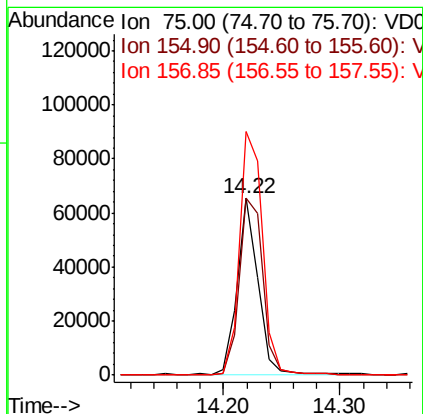
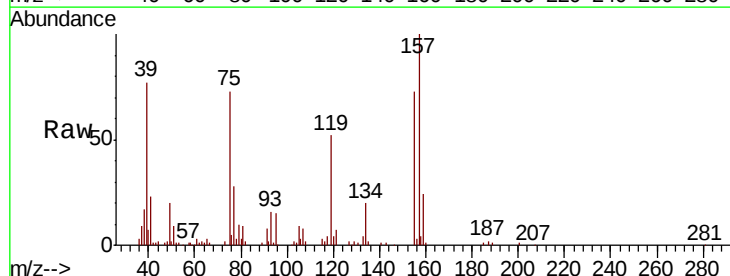
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

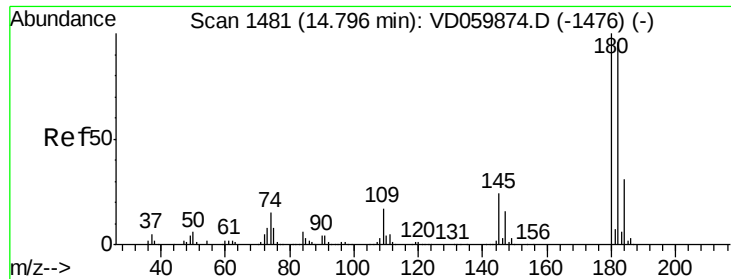
Tot Ion:146 Resp: 1104126
 Ion Ratio Lower Upper
 146 100
 111 36.0 21.1 63.1
 148 64.5 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.90 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion: 75 Resp: 82037
 Ion Ratio Lower Upper
 75 100
 155 100.2 58.2 174.6
 157 137.9 76.8 230.4

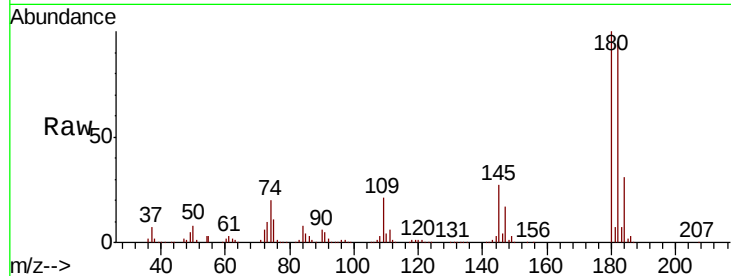




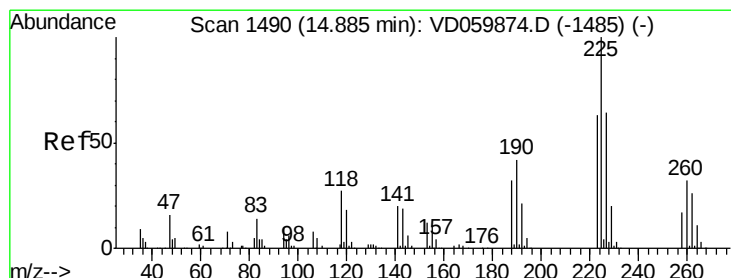
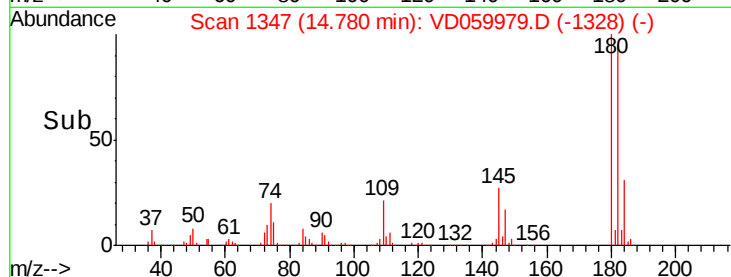
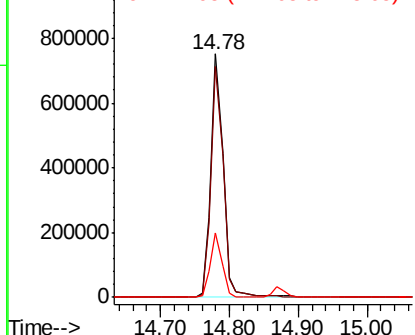
#93
1,2,4-Trichlorobenzene
Concen: 51.95 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:180 Resp: 940719
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.7
145 26.7 12.2 36.4

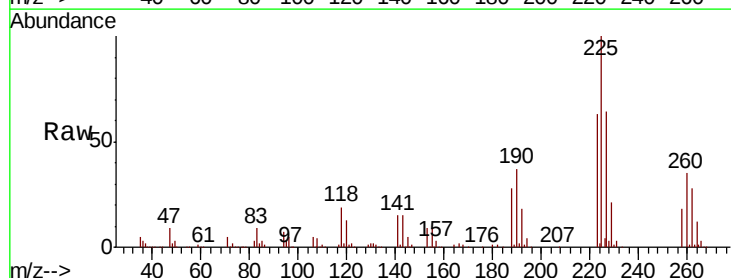


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

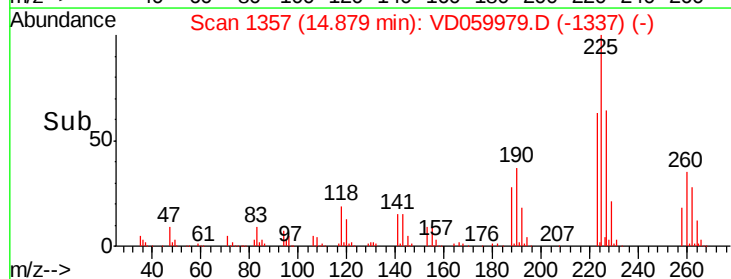
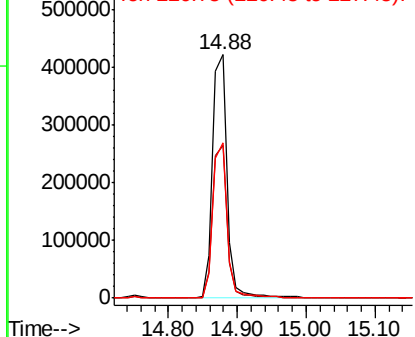


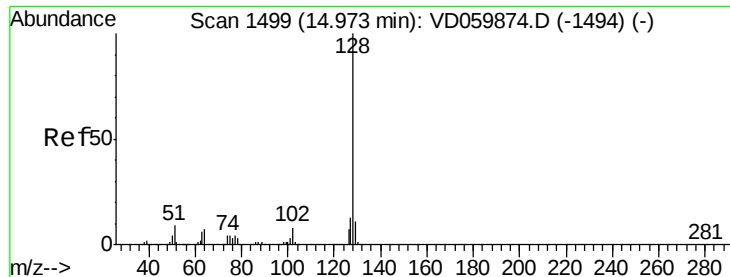
#94
Hexachlorobutadiene
Concen: 52.44 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion:225 Resp: 622500
Ion Ratio Lower Upper
225 100
223 62.8 31.6 94.8
227 63.8 32.0 96.0



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

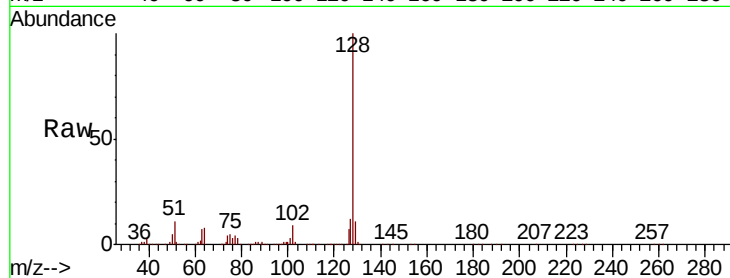




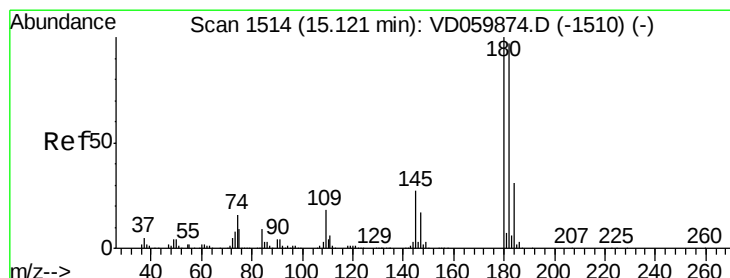
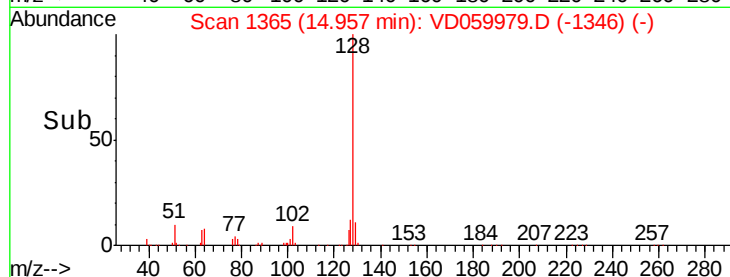
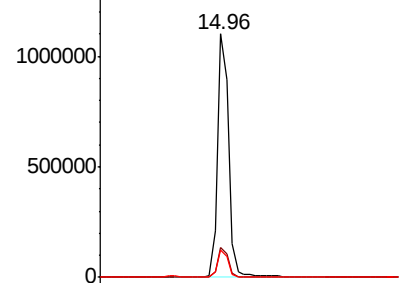
#95
Naphthalene
Concen: 52.77 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1460363
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 11.0 8.6 13.0

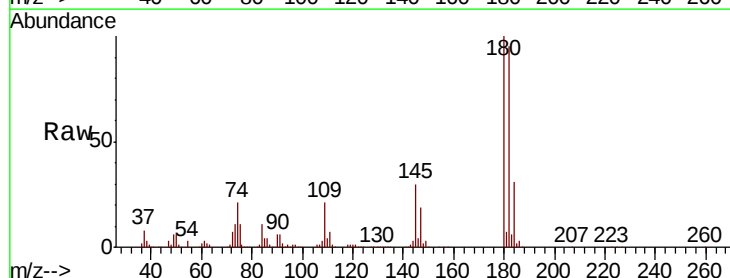


Abundance Ion 128.00 (127.70 to 128.70): V
1500000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.88 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion:180 Resp: 818951
Ion Ratio Lower Upper
180 100
182 95.2 48.6 145.8
145 29.9 13.6 40.8



Abundance Ion 179.85 (179.55 to 180.55): V
800000 Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

