

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057966.D
 Acq On : 7 Jun 2018 12:19
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 08 06:45:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	1059980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1400215	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	1124316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	545815	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	479944	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	
35) Dibromofluoromethane	5.55	113	508897	46.97	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.94%	
50) Toluene-d8	8.71	98	1208035	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
62) 4-Bromofluorobenzene	11.93	95	506633	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	635021	44.637	ug/l	99
3) Chloromethane	1.49	50	316333	45.149	ug/l	100
4) Vinyl Chloride	1.57	62	341347	50.331	ug/l	98
5) Bromomethane	1.82	94	150871	56.759	ug/l	97
6) Chloroethane	1.90	64	146485	54.745	ug/l	96
7) Trichlorofluoromethane	2.10	101	464592	50.114	ug/l	99
8) Diethyl Ether	2.36	74	93318	54.185	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.58	101	279962	50.628	ug/l	92
10) Methyl Iodide	2.70	142	400348	56.109	ug/l	95
11) Tert butyl alcohol	3.27	59	82047	289.016	ug/l	96
12) 1,1-Dichloroethene	2.56	96	220990	51.983	ug/l	96
13) Acrolein	2.49	56	102673	252.541	ug/l	98
14) Allyl chloride	2.93	41	494035	50.377	ug/l	99
15) Acrylonitrile	3.37	53	377930	227.564	ug/l	97
16) Acetone	2.62	43	416705	272.933	ug/l	99
17) Carbon Disulfide	2.77	76	809499	52.563	ug/l	98
18) Methyl Acetate	2.95	43	131905	44.661	ug/l #	91
19) Methyl tert-butyl Ether	3.41	73	884294	47.273	ug/l	99
20) Methylene Chloride	3.08	84	214459	51.772	ug/l	95
21) trans-1,2-Dichloroethene	3.39	96	446950	47.202	ug/l	99
22) Diisopropyl ether	4.07	45	1786666	45.987	ug/l #	87
23) Vinyl Acetate	4.03	43	4785554	238.399	ug/l	99
24) 1,1-Dichloroethane	3.98	63	982897	46.032	ug/l	99
25) 2-Butanone	4.84	43	765709	220.680	ug/l	99
26) 2,2-Dichloropropane	4.81	77	841601	47.847	ug/l	95
27) cis-1,2-Dichloroethene	4.81	96	507253	45.168	ug/l	98
28) Bromochloromethane	5.14	49	471604	51.031	ug/l	97
29) Tetrahydrofuran	5.18	42	404113	222.177	ug/l	98
30) Chloroform	5.32	83	1021698	47.544	ug/l	99
31) Cyclohexane	5.60	56	790825	42.917	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	887402	49.319	ug/l	98
36) 1,1-Dichloropropene	5.75	75	722073	46.807	ug/l	96
37) Ethyl Acetate	4.93	43	406827	48.331	ug/l	97
38) Carbon Tetrachloride	5.73	117	767730	50.497	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	675606	44.179	ug/l	99
40) Benzene	6.01	78	1673806	46.446	ug/l	100
41) Methacrylonitrile	5.13	41	198463	51.564	ug/l	97
42) 1,2-Dichloroethane	6.13	62	708708	48.639	ug/l	99
43) Isopropyl Acetate	7.62	43	528642	47.947	ug/l	99
44) Trichloroethene	6.99	130	526103	49.979	ug/l	94
45) 1,2-Dichloropropane	7.35	63	477178	47.641	ug/l	98
46) Dibromomethane	7.46	93	308994	48.023	ug/l	98
47) Bromodichloromethane	7.74	83	751654	49.893	ug/l	96
48) Methyl methacrylate	7.50	41	322267	47.489	ug/l	97
49) 1,4-Dioxane	7.50	88	50026	889.852	ug/l	89
51) 4-Methyl-2-Pentanone	8.59	43	1692010	239.256	ug/l	98
52) Toluene	8.80	92	970952	46.946	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	649992	50.078	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	753288	49.262	ug/l	93
55) 1,1,2-Trichloroethane	9.45	97	323437	48.320	ug/l	96
56) Ethyl methacrylate	9.31	69	391674	47.702	ug/l	96
57) 1,3-Dichloropropane	9.66	76	561624	47.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	1004231	242.080	ug/l	97
59) 2-Hexanone	9.78	43	1261058	243.325	ug/l	98
60) Dibromochloromethane	9.96	129	484754	51.356	ug/l	98
61) 1,2-Dibromoethane	10.09	107	379384	49.285	ug/l	92
64) Tetrachloroethene	9.51	164	482837	48.037	ug/l	98
65) Chlorobenzene	10.72	112	1106030	48.593	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.84	131	423620	48.442	ug/l	96
67) Ethyl Benzene	10.85	91	1880737	45.737	ug/l	98
68) m/p-Xylenes	11.01	106	1246218	92.965	ug/l	94
69) o-Xylene	11.40	106	606531	45.583	ug/l	97
70) Styrene	11.43	104	952083	43.222	ug/l	96
71) Bromoform	11.59	173	339718	51.641	ug/l #	95
73) Isopropylbenzene	11.77	105	1792235	49.575	ug/l	100
74) N-amyl acetate	11.64	43	685871	49.166	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	375948	47.696	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	404281	49.309	ug/l	96
77) Bromobenzene	12.04	156	523609	48.930	ug/l	88
78) n-propylbenzene	12.15	91	2243734	47.695	ug/l	98
79) 2-Chlorotoluene	12.21	91	1282689	47.795	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	1313065	46.573	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	106273	52.332	ug/l	97
82) 4-Chlorotoluene	12.32	91	1333219	51.154	ug/l	95
83) tert-Butylbenzene	12.57	119	1561734	49.057	ug/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	1425425	47.022	ug/l	96
85) sec-Butylbenzene	12.75	105	1857259	48.341	ug/l	98
86) p-Isopropyltoluene	12.88	119	1471323	47.514	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	870381	48.082	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	816529	46.296	ug/l	97
89) n-Butylbenzene	13.19	91	1433157	51.510	ug/l	99
90) Hexachloroethane	13.39	117	414105	52.395	ug/l	75
91) 1,2-Dichlorobenzene	13.19	146	674547	46.111	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	67196	55.238	ug/l	80

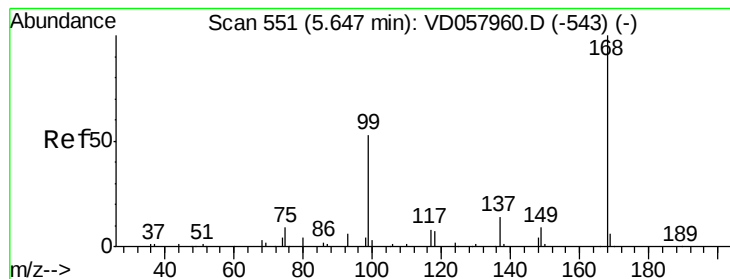
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	706434	51.689	ug/l	99
94) Hexachlorobutadiene	14.43	225	555403	51.665	ug/l	96
95) Naphthalene	14.51	128	879102	49.888	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	574901	49.359	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

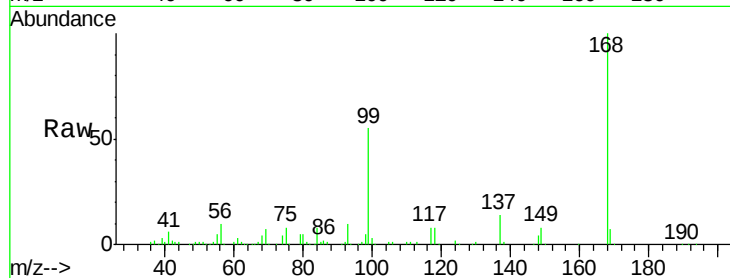
VSTDCCC050

Tgt Ion:168 Resp: 1059980

Ion Ratio Lower Upper

168 100

99 55.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

400000

300000

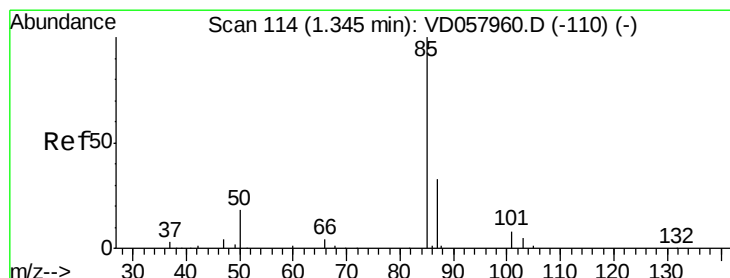
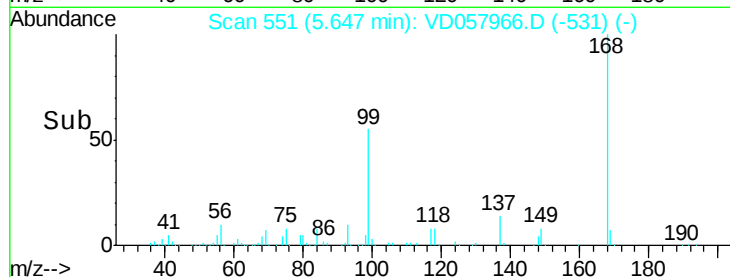
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.637 ug/l

RT: 1.35 min Scan# 115

Delta R.T. 0.01 min

Lab File: VD057966.D

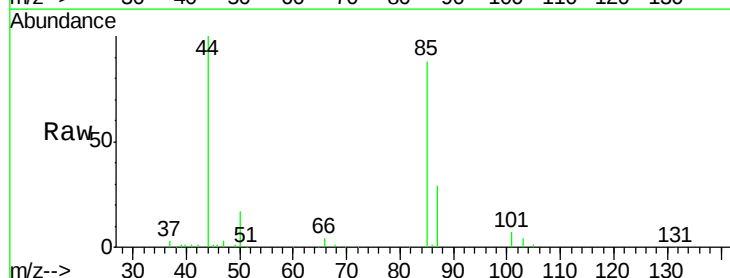
Acq: 7 Jun 2018 12:19

Tgt Ion: 85 Resp: 635021

Ion Ratio Lower Upper

85 100

87 33.6 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

250000

200000

150000

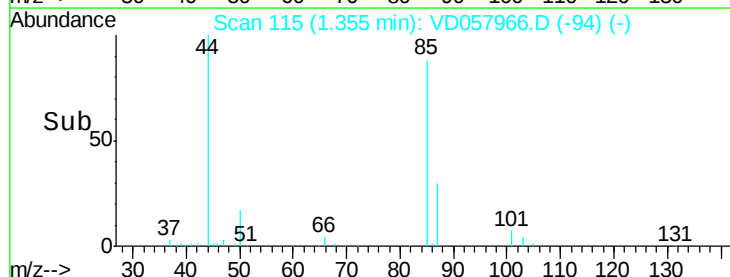
100000

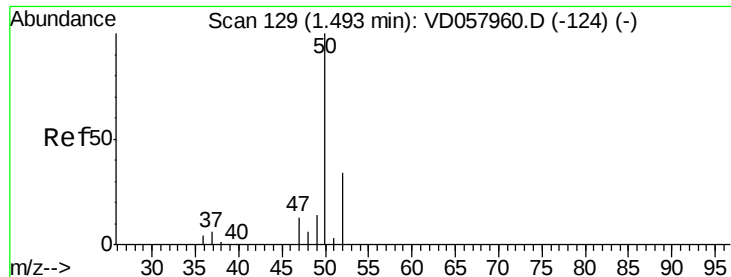
50000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 45.149 ug/l

RT: 1.49 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

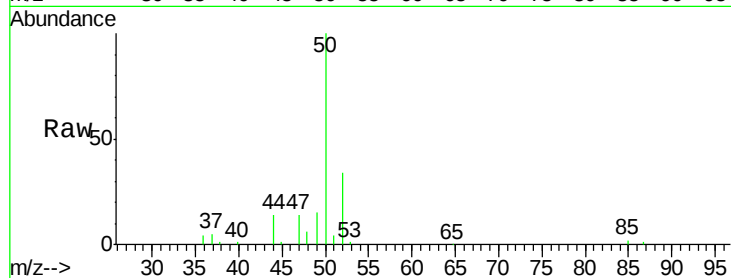
VSTDCCC050

Tgt Ion: 50 Resp: 316333

Ion Ratio Lower Upper

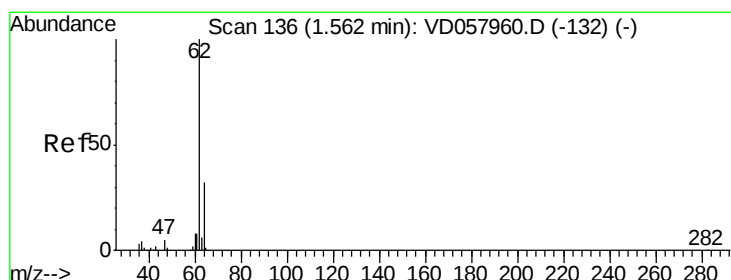
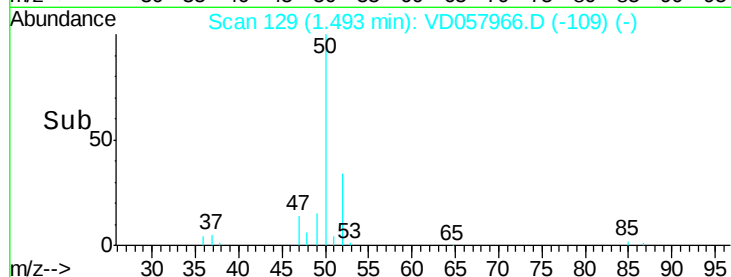
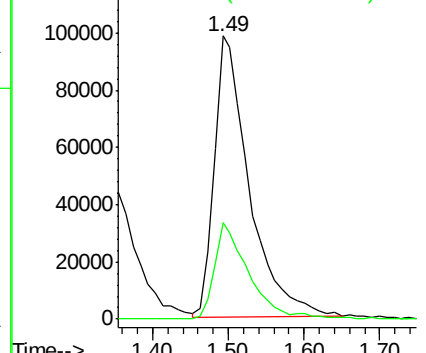
50 100

52 34.1 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.331 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.01 min

Lab File: VD057966.D

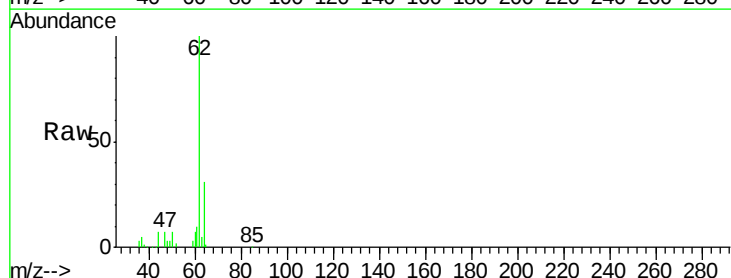
Acq: 7 Jun 2018 12:19

Tgt Ion: 62 Resp: 341347

Ion Ratio Lower Upper

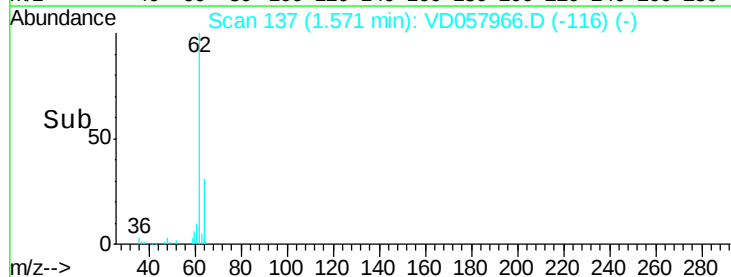
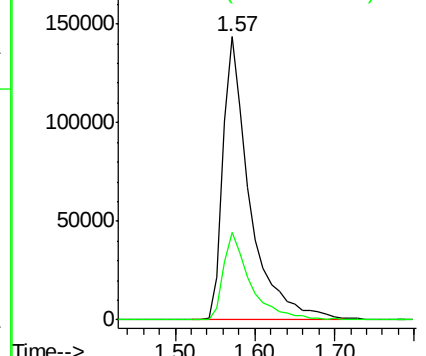
62 100

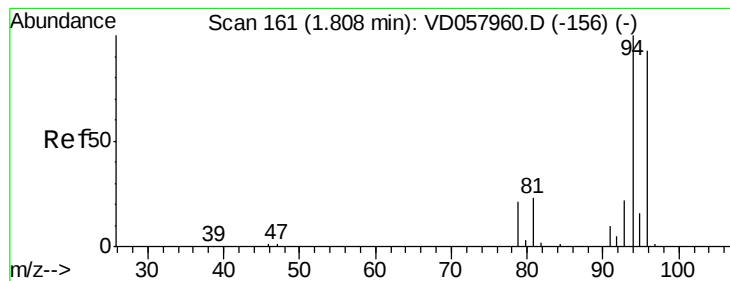
64 30.9 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 56.759 ug/l

RT: 1.82 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

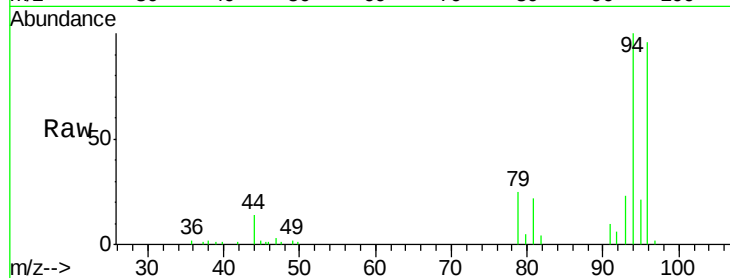
VSTDCCC050

Tgt Ion: 94 Resp: 150871

Ion Ratio Lower Upper

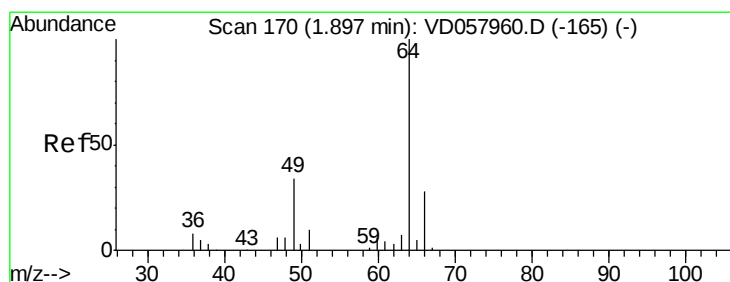
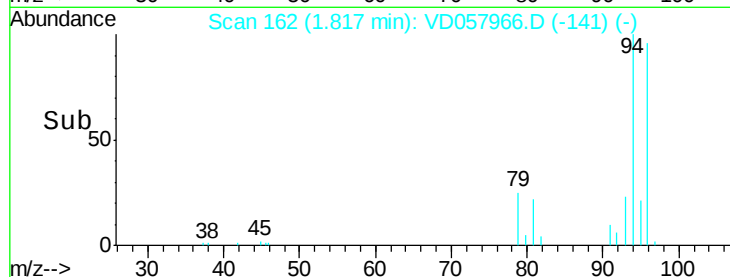
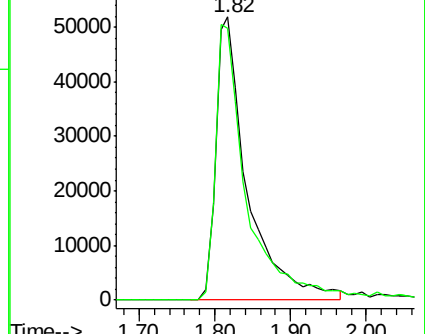
94 100

96 95.9 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.745 ug/l

RT: 1.90 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD057966.D

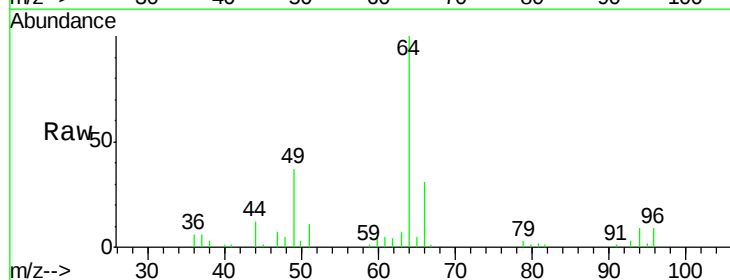
Acq: 7 Jun 2018 12:19

Tgt Ion: 64 Resp: 146485

Ion Ratio Lower Upper

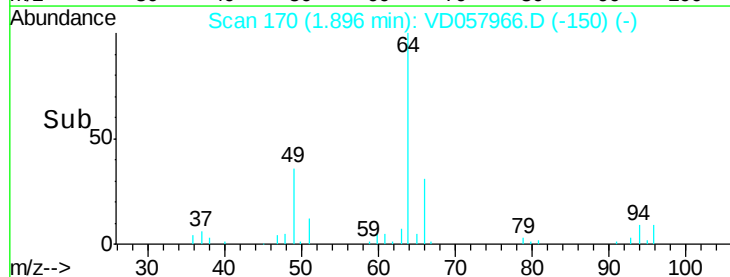
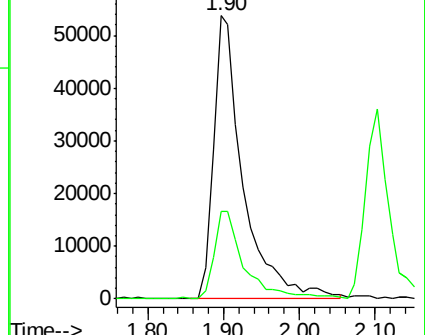
64 100

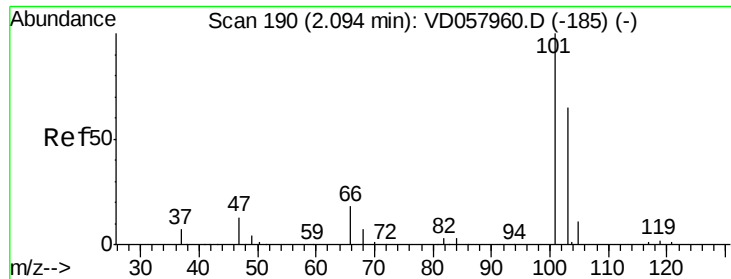
66 30.8 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



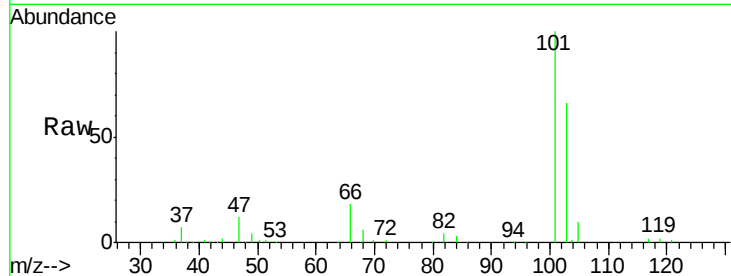


#7

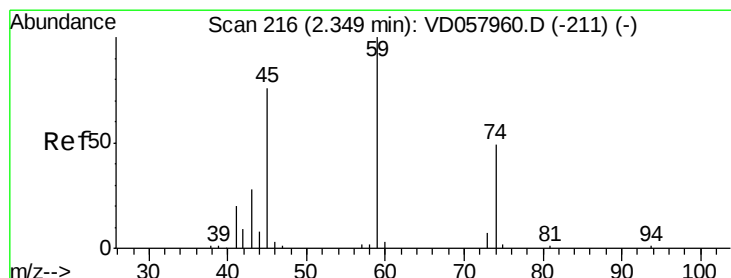
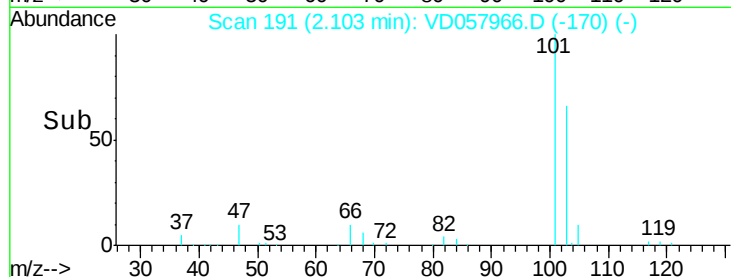
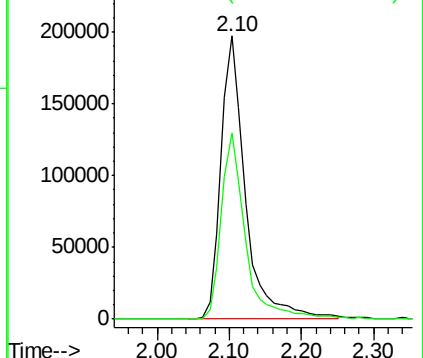
Trichlorofluoromethane
Concen: 50.114 ug/l
RT: 2.10 min Scan# 191
Delta R.T. 0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 464592
Ion Ratio Lower Upper
101 100
103 65.9 52.4 78.6



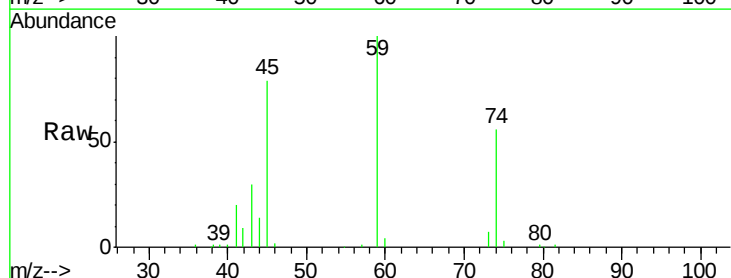
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



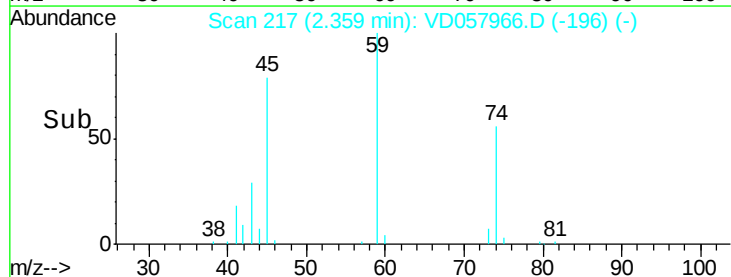
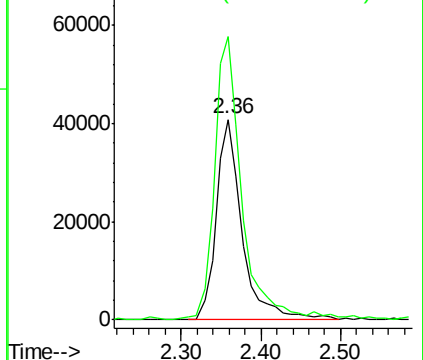
#8

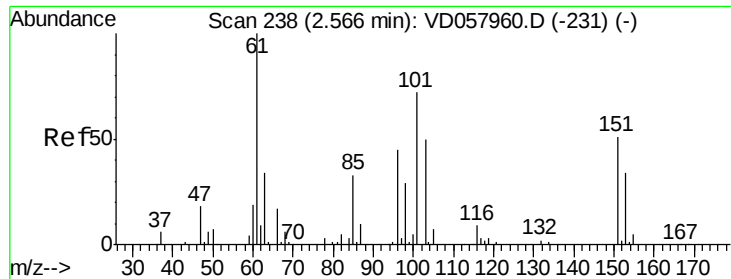
Diethyl Ether
Concen: 54.185 ug/l
RT: 2.36 min Scan# 217
Delta R.T. 0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion: 74 Resp: 93318
Ion Ratio Lower Upper
74 100
45 141.0 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.628 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

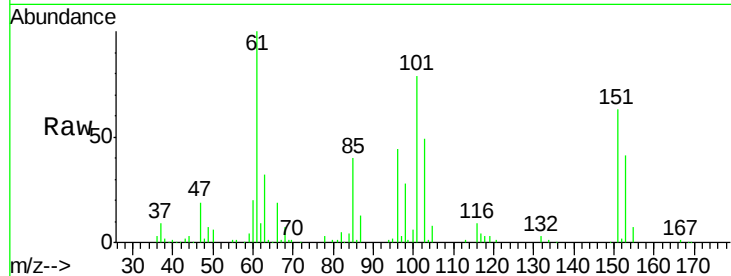
Tgt Ion:101 Resp: 279962

Ion Ratio Lower Upper

101 100

85 50.3 37.3 55.9

151 79.3 57.0 85.6



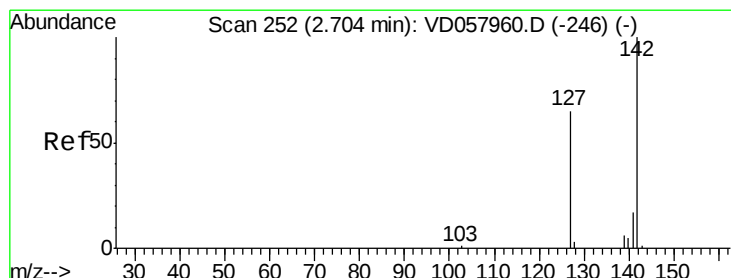
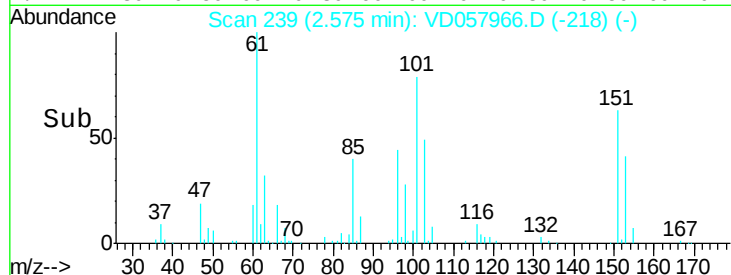
Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

2.58

Time-->



#10

Methyl Iodide

Concen: 56.109 ug/l

RT: 2.70 min Scan# 252

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

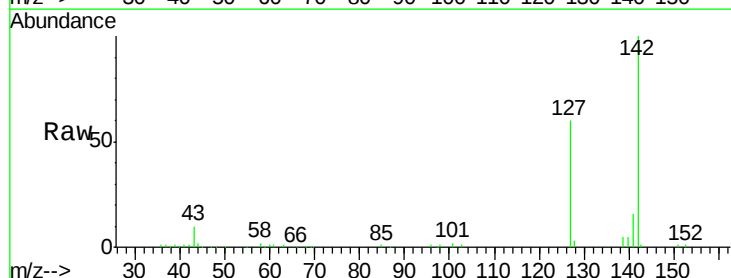
Tgt Ion:142 Resp: 400348

Ion Ratio Lower Upper

142 100

127 60.4 52.0 78.0

141 15.5 13.2 19.8



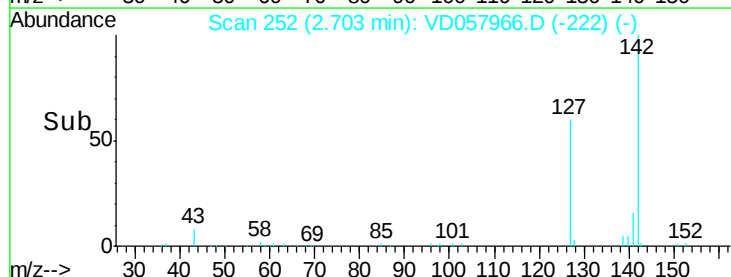
Abundance Ion 141.85 (141.55 to 142.55): V

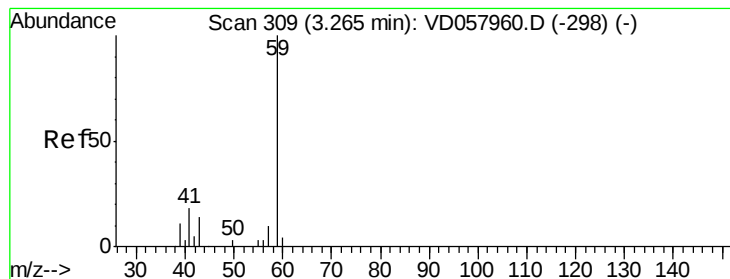
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

2.70

Time-->



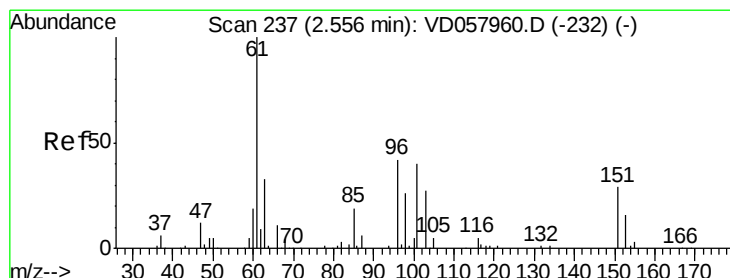
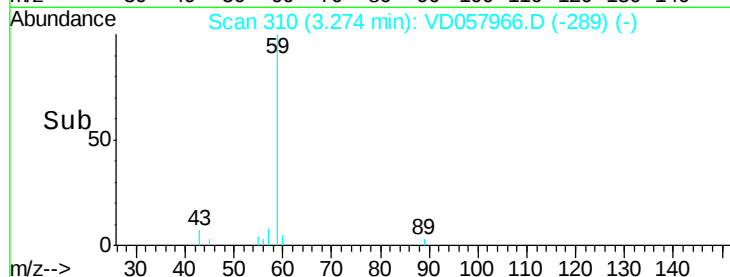
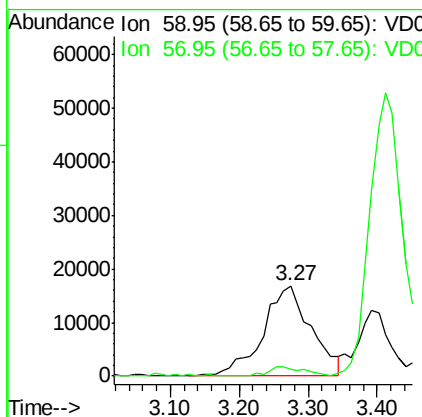
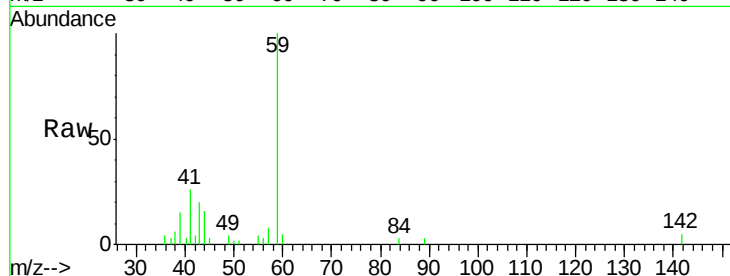


#11

Tert butyl alcohol
Concen: 289.016 ug/l
RT: 3.27 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

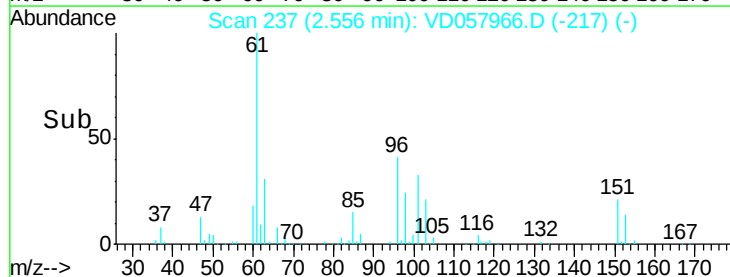
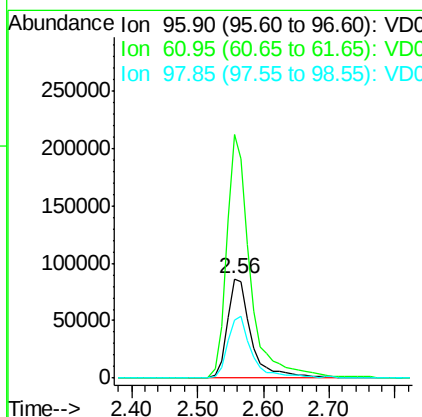
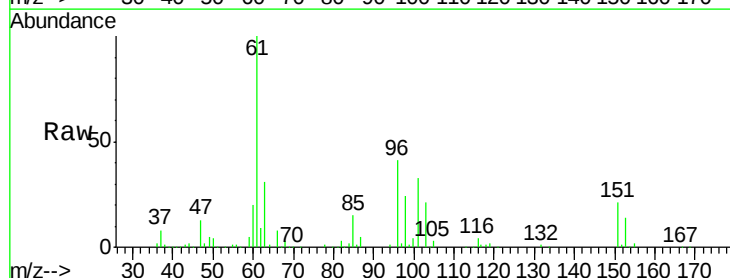
Tgt Ion: 59 Resp: 82047
Ion Ratio Lower Upper
59 100
57 8.3 7.8 11.6

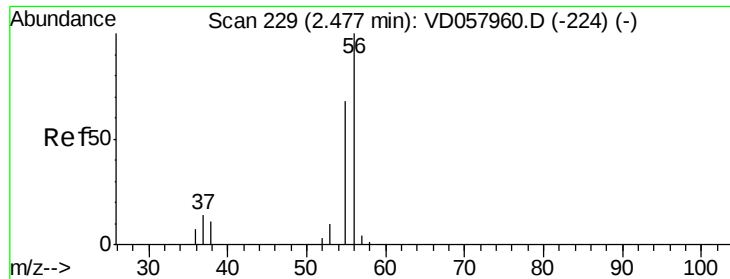


#12

1,1-Dichloroethene
Concen: 51.983 ug/l
RT: 2.56 min Scan# 237
Delta R.T. -0.00 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion: 96 Resp: 220990
Ion Ratio Lower Upper
96 100
61 245.4 190.2 285.4
98 58.9 49.6 74.4





#13

Acrolein

Concen: 252.541 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

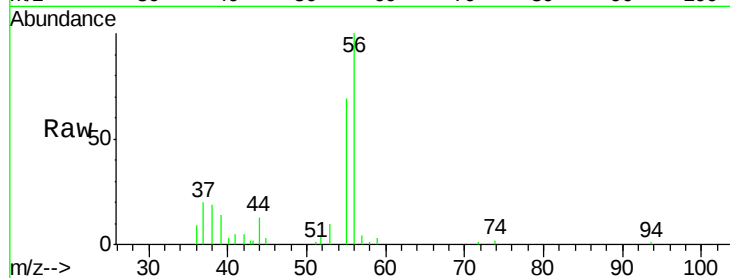
VSTDCCC050

Tgt Ion: 56 Resp: 102673

Ion Ratio Lower Upper

56 100

55 68.8 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.49

40000

30000

20000

10000

0

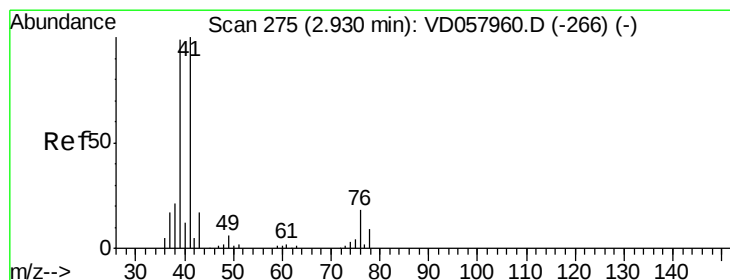
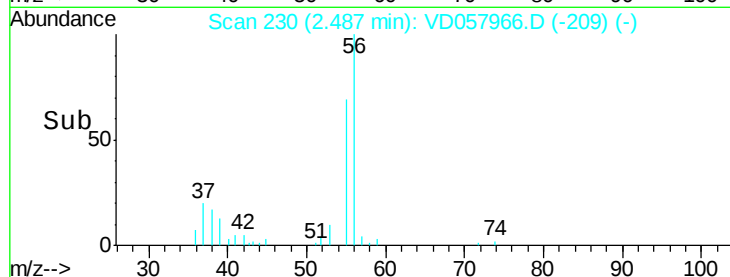
Time-->

2.40

2.50

2.60

2.70



#14

Allyl chloride

Concen: 50.377 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

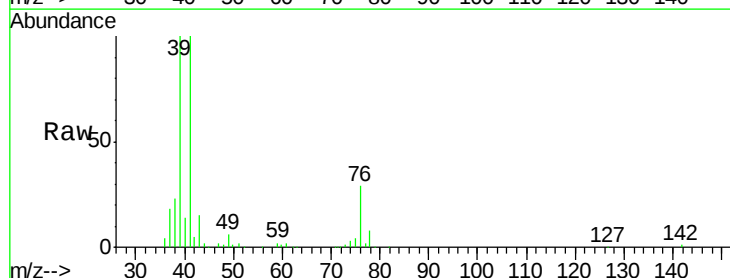
Tgt Ion: 41 Resp: 494035

Ion Ratio Lower Upper

41 100

39 99.6 79.5 119.3

76 28.7 20.7 31.1



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

400000

300000

200000

100000

0

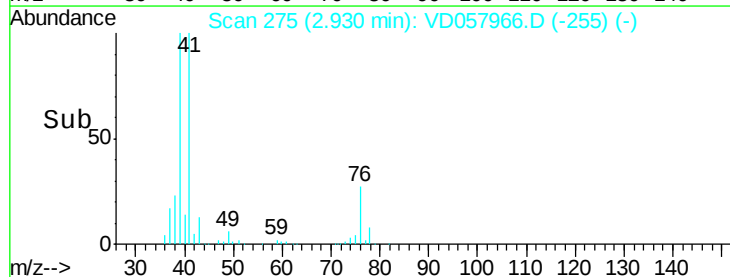
Time-->

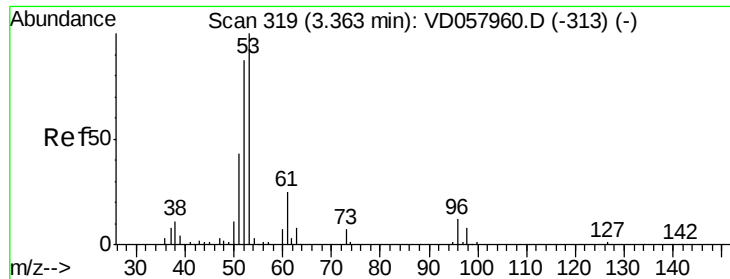
2.80

2.90

3.00

3.10





#15

Acrylonitrile

Concen: 227.564 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

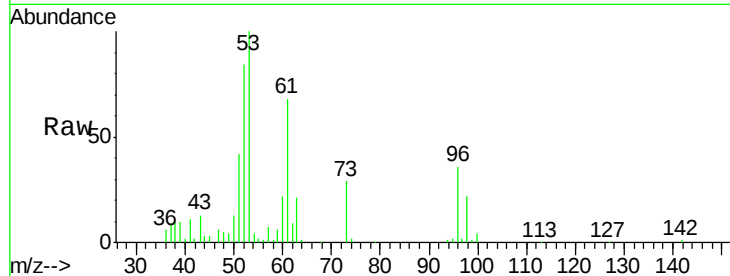
Tgt Ion: 53 Resp: 377930

Ion Ratio Lower Upper

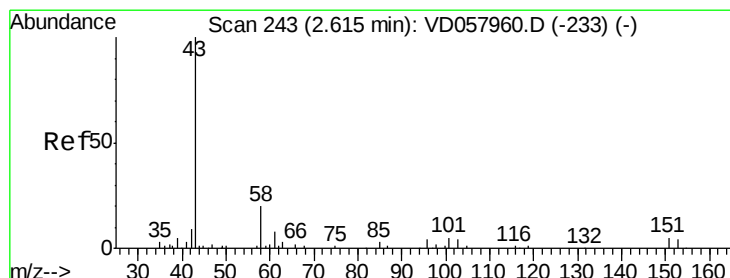
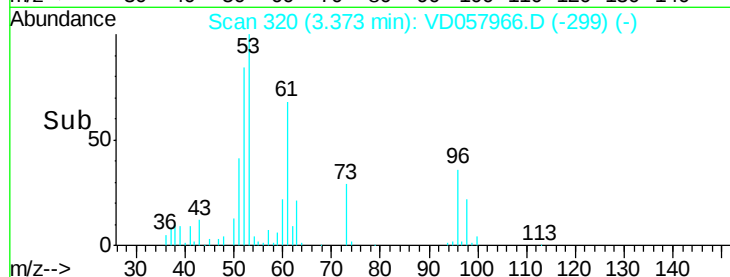
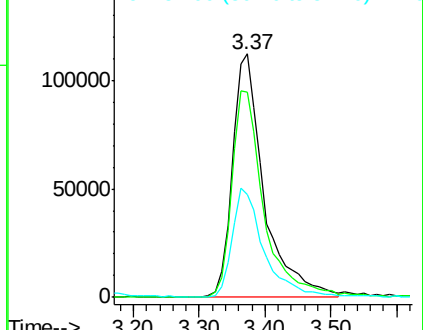
53 100

52 84.2 69.9 104.9

51 42.2 34.3 51.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 272.933 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD057966.D

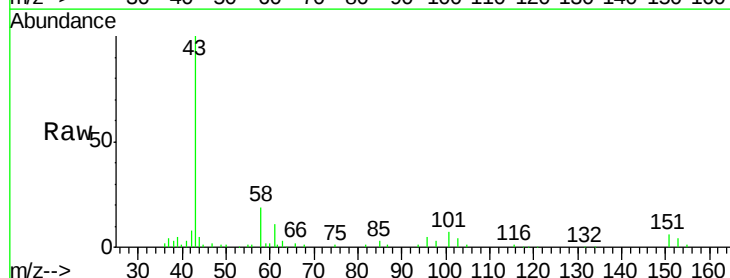
Acq: 7 Jun 2018 12:19

Tgt Ion: 43 Resp: 416705

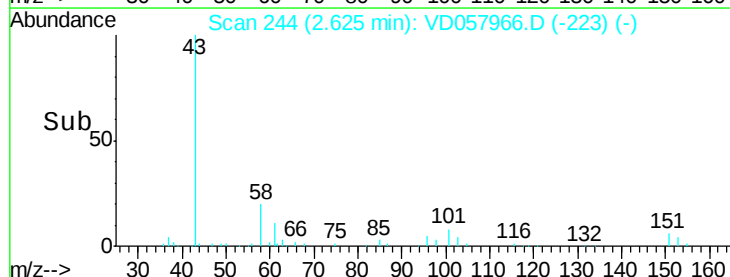
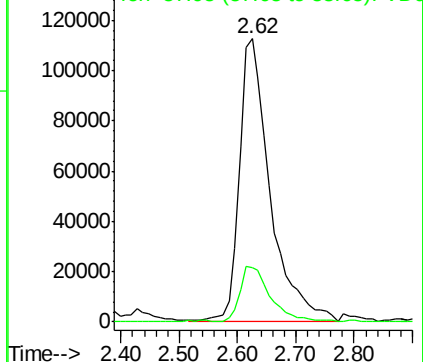
Ion Ratio Lower Upper

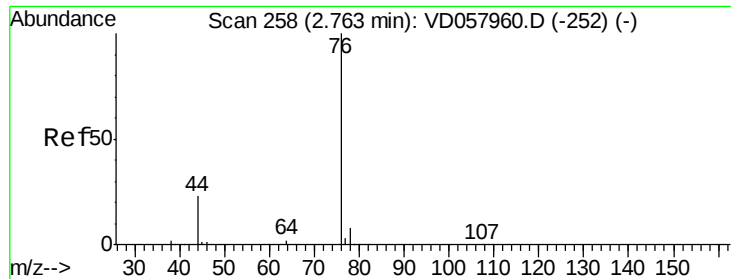
43 100

58 19.3 15.8 23.8



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

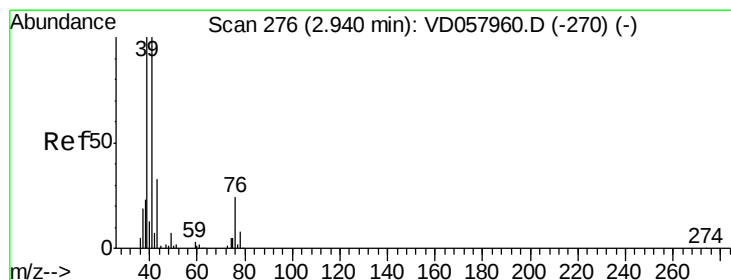
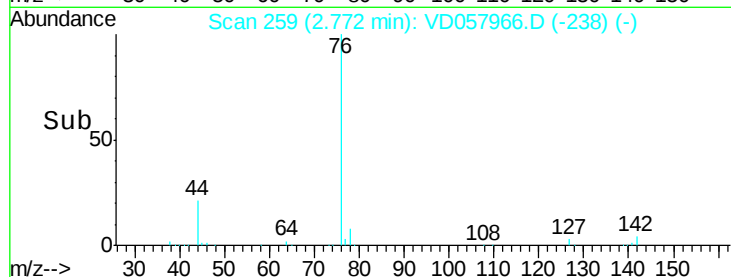
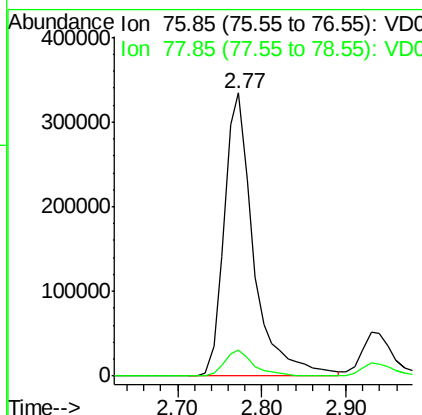
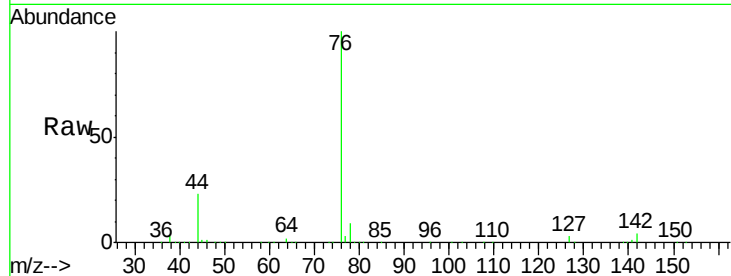




#17
Carbon Disulfide
Concen: 52.563 ug/l
RT: 2.77 min Scan# 259
Delta R.T. 0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

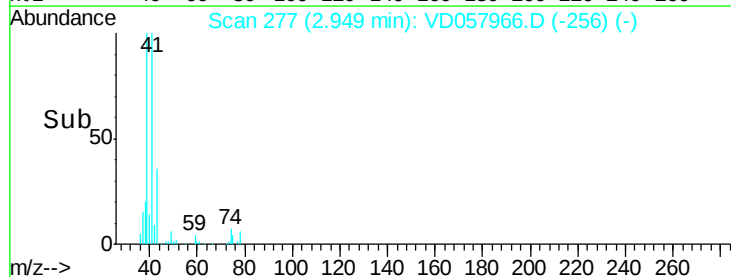
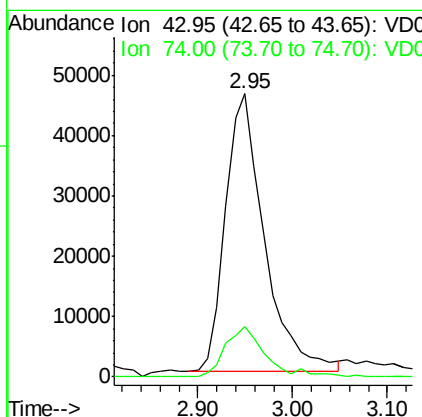
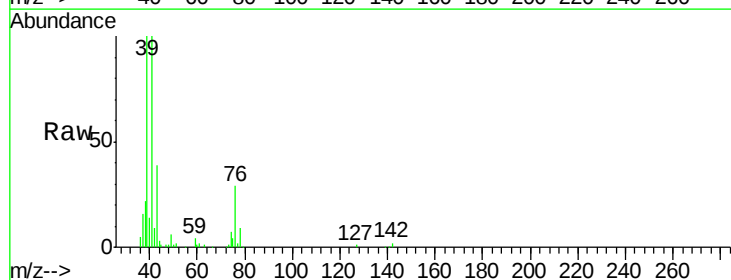
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

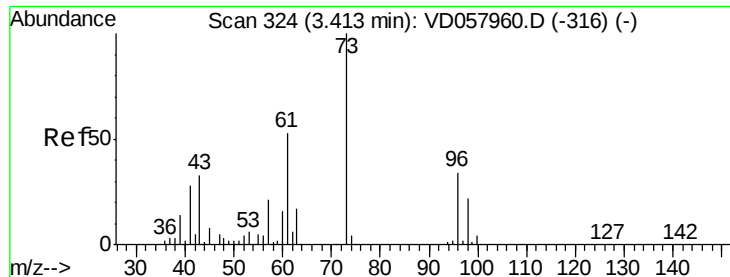
Tgt Ion: 76 Resp: 809499
Ion Ratio Lower Upper
76 100
78 9.0 6.7 10.1



#18
Methyl Acetate
Concen: 44.661 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion: 43 Resp: 131905
Ion Ratio Lower Upper
43 100
74 17.7 11.2 16.8#





#19

Methyl tert-butyl Ether

Concen: 47.273 ug/l

RT: 3.41 min Scan# 324

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

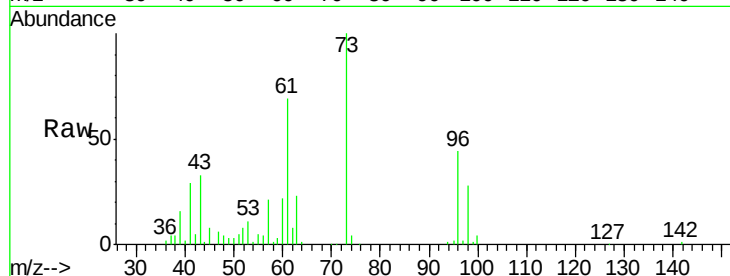
VSTDCCC050

Tgt Ion: 73 Resp: 884294

Ion Ratio Lower Upper

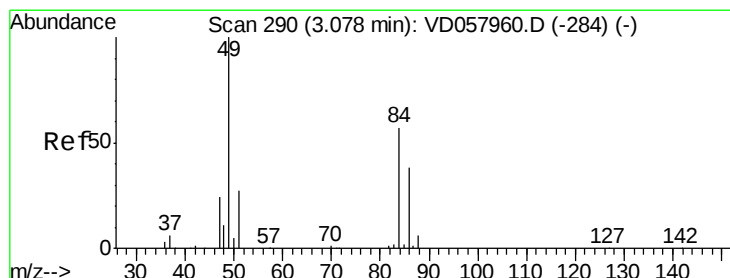
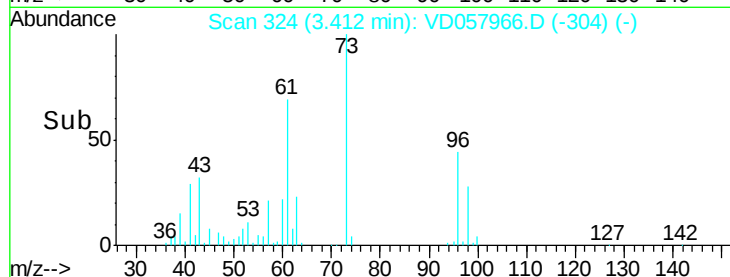
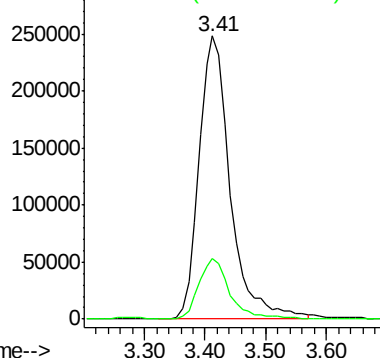
73 100

57 21.3 16.7 25.1



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 51.772 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Tgt Ion: 84 Resp: 214459

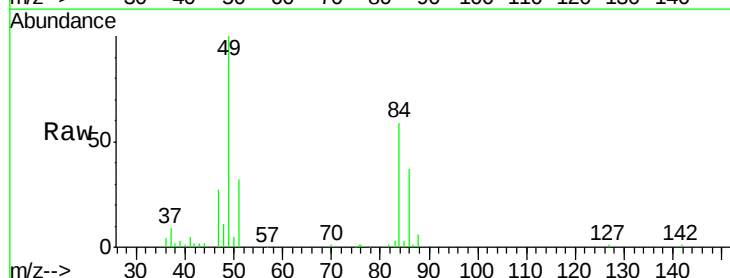
Ion Ratio Lower Upper

84 100

49 170.6 141.4 212.0

51 54.8 38.3 57.5

86 63.6 52.9 79.3

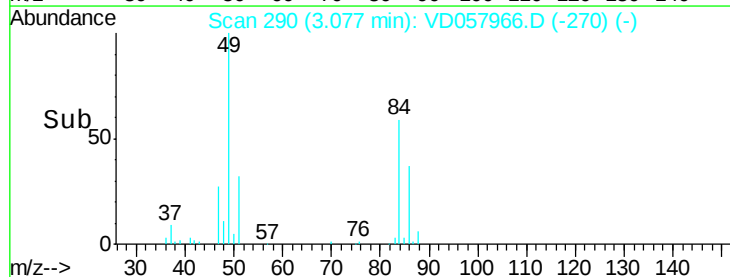
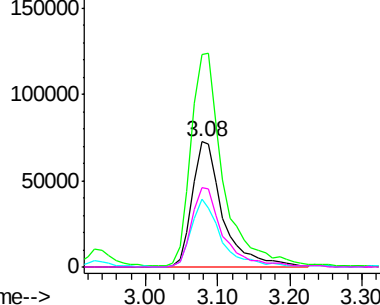


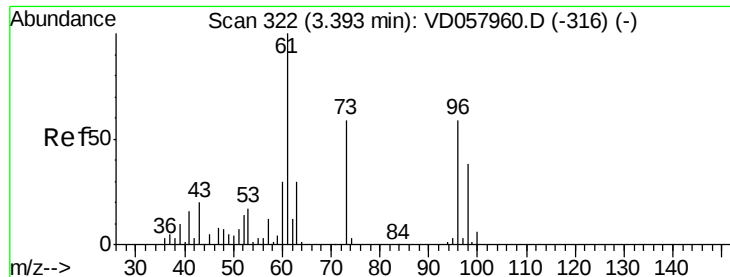
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 47.202 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

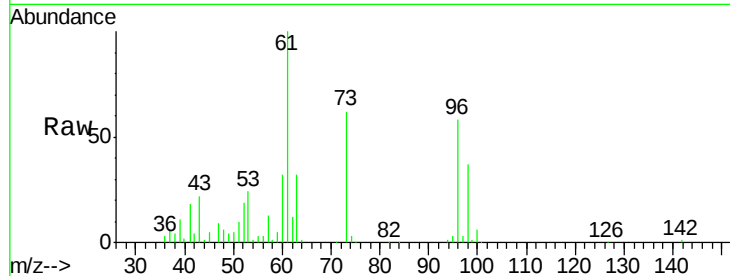
Tgt Ion: 96 Resp: 446950

Ion Ratio Lower Upper

96 100

61 171.0 135.2 202.8

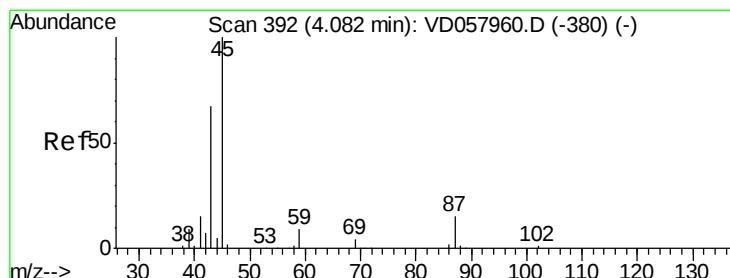
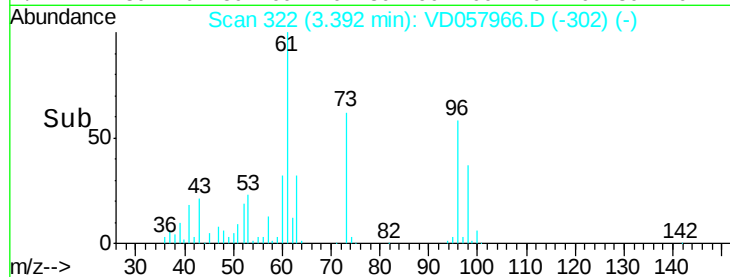
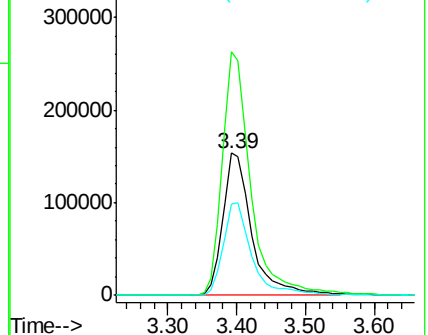
98 63.7 51.7 77.5



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: 45.987 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Tgt Ion: 45 Resp: 1786666

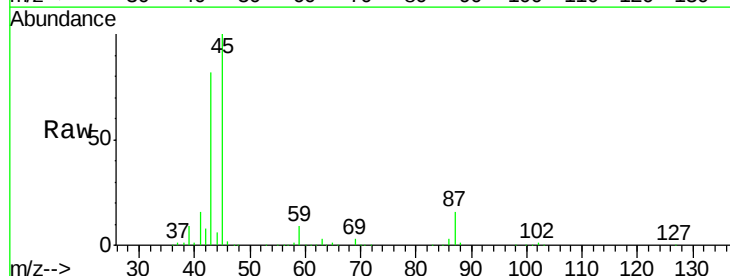
Ion Ratio Lower Upper

45 100

43 81.8 53.8 80.8#

87 15.6 12.5 18.7

59 8.5 7.3 10.9

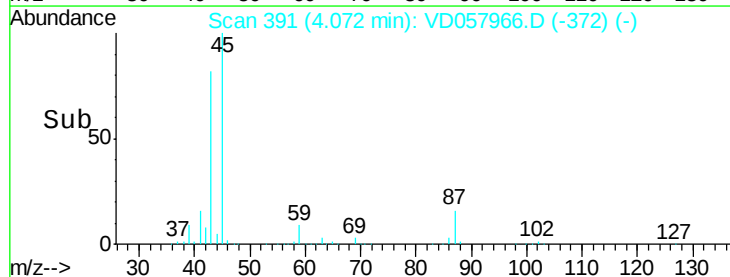
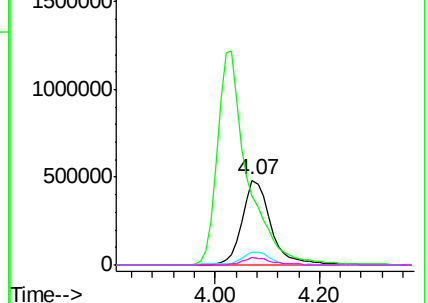


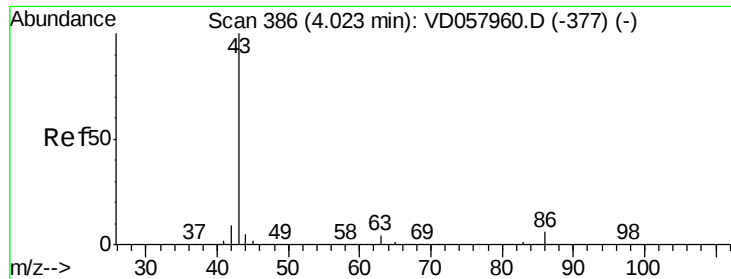
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 238.399 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

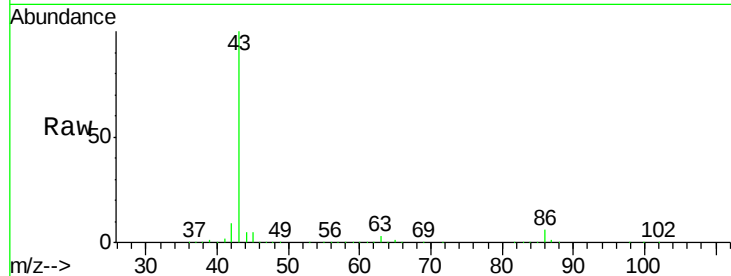
VSTDCCC050

Tgt Ion: 43 Resp: 4785554

Ion Ratio Lower Upper

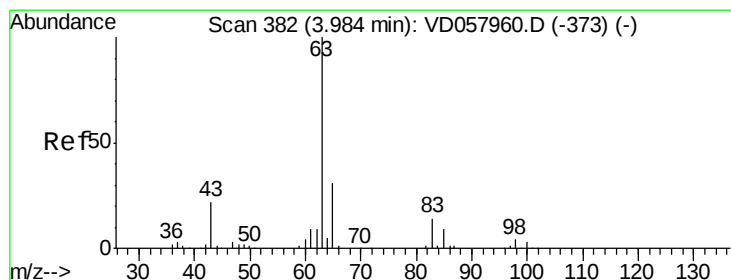
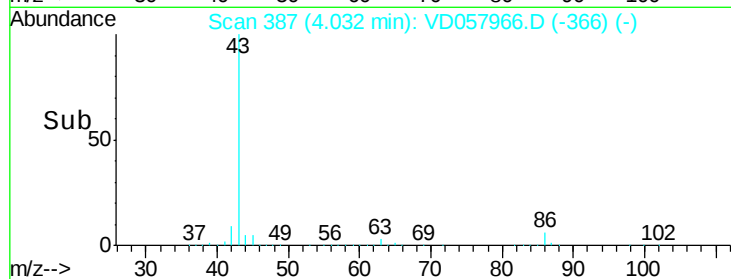
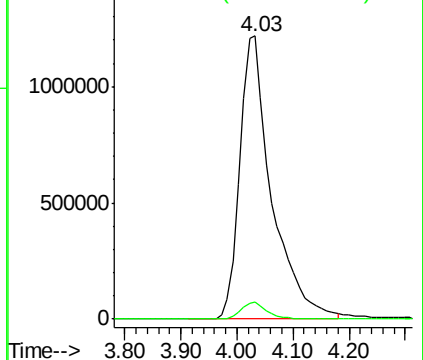
43 100

86 6.1 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.032 ug/l

RT: 3.98 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

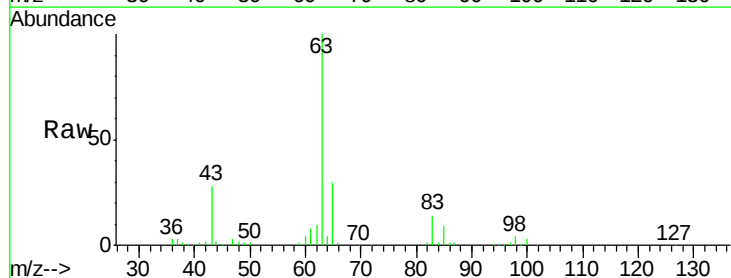
Tgt Ion: 63 Resp: 982897

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

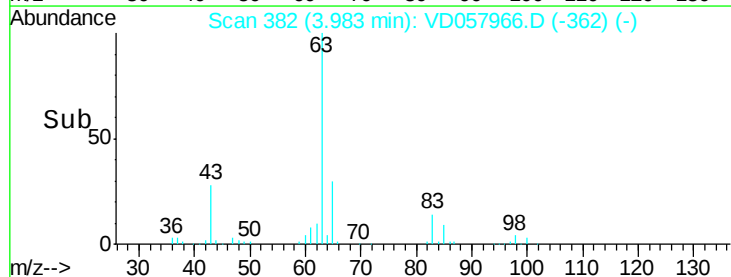
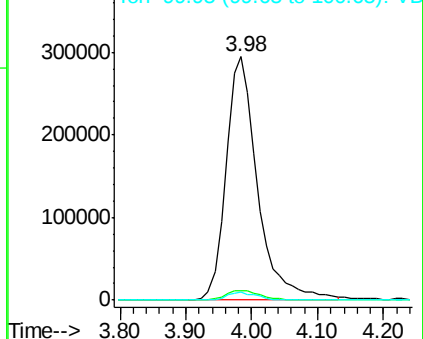
100 3.2 1.4 4.2

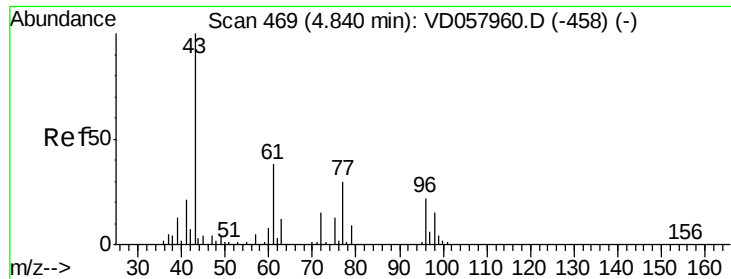


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 220.680 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

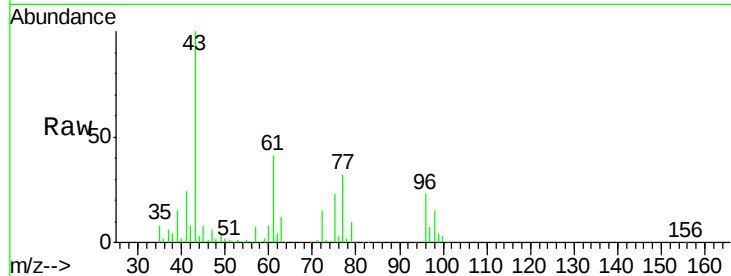
VSTDCCC050

Tgt Ion: 43 Resp: 765709

Ion Ratio Lower Upper

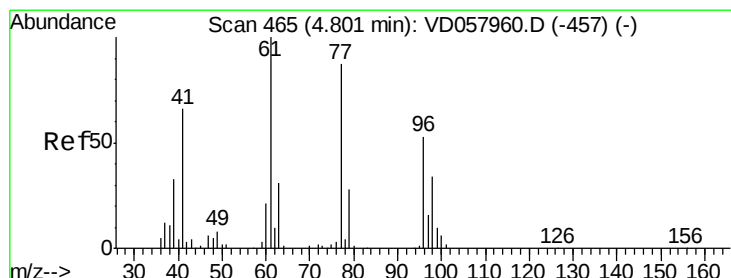
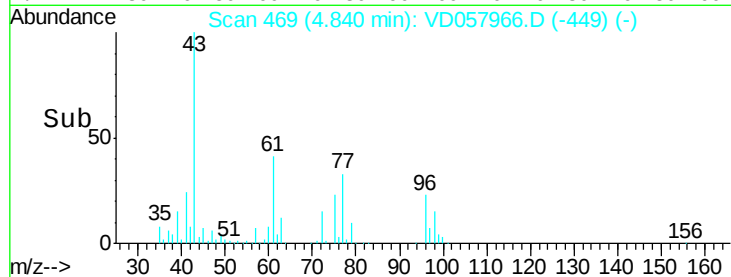
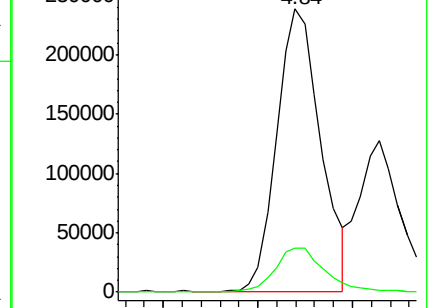
43 100

72 15.4 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.847 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD057966.D

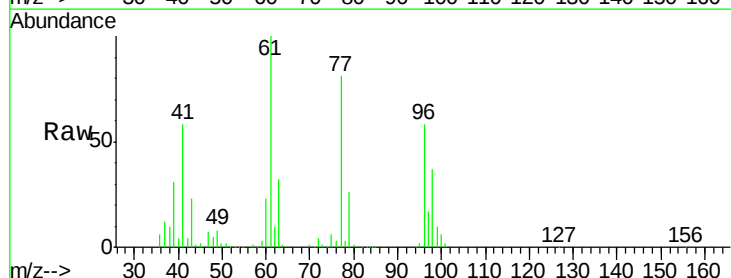
Acq: 7 Jun 2018 12:19

Tgt Ion: 77 Resp: 841601

Ion Ratio Lower Upper

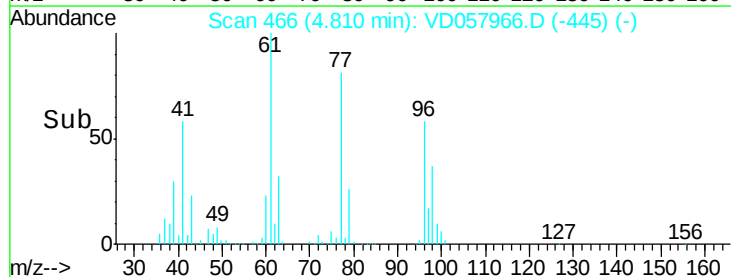
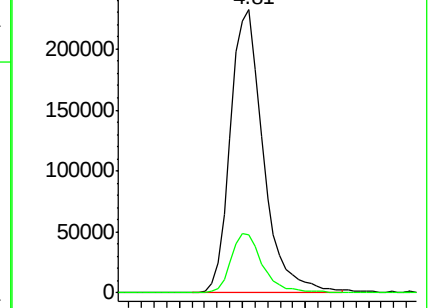
77 100

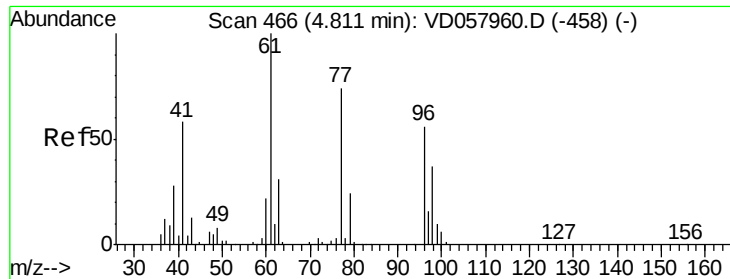
97 20.5 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



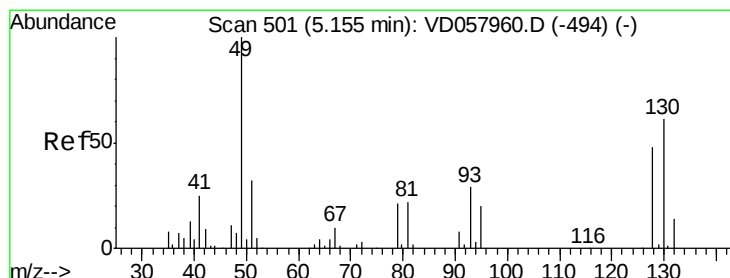
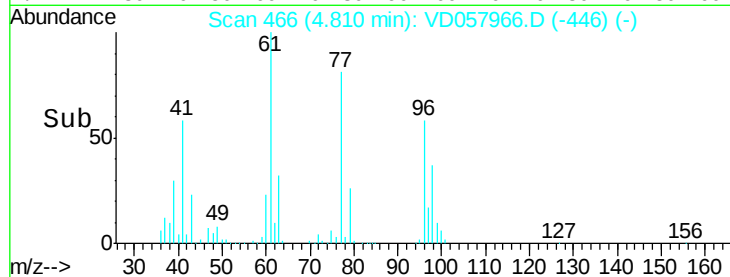
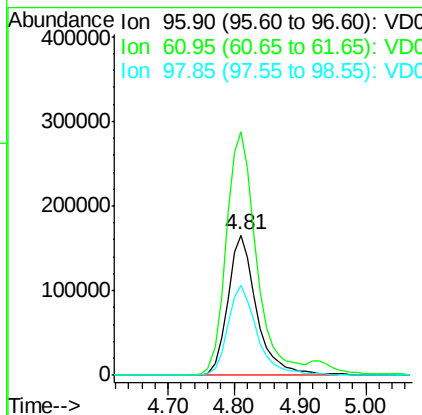
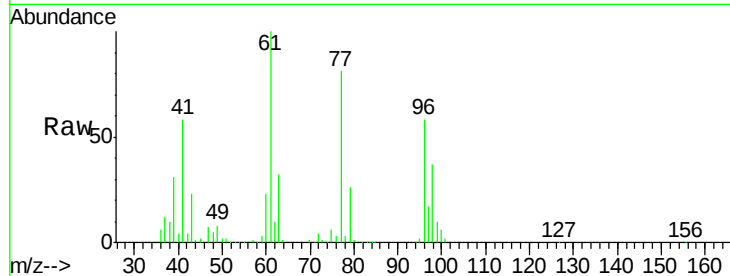


#27

cis-1,2-Dichloroethene
 Concen: 45.168 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

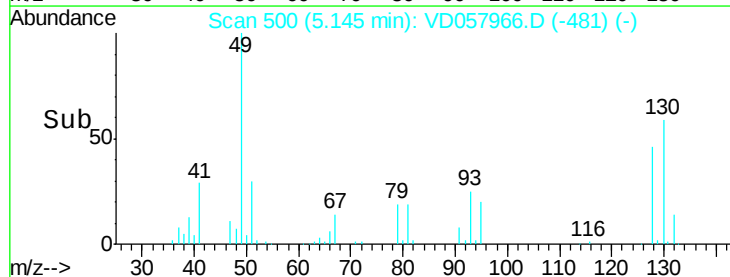
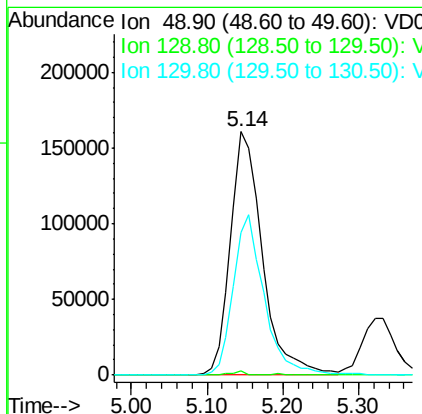
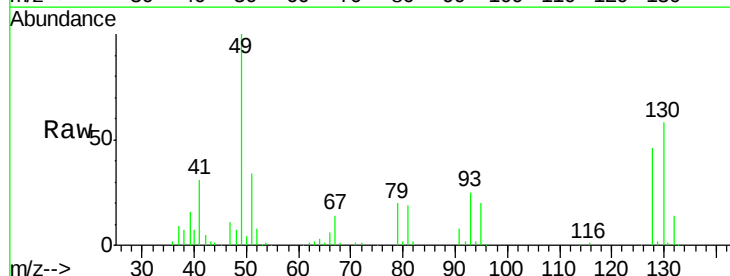
Tgt Ion: 96 Resp: 507253
 Ion Ratio Lower Upper
 96 100
 61 173.8 0.0 355.0
 98 64.4 0.0 129.6

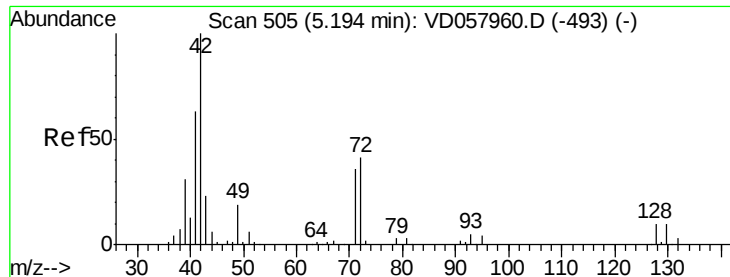


#28

Bromochloromethane
 Concen: 51.031 ug/l
 RT: 5.14 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Tgt Ion: 49 Resp: 471604
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.6
 130 58.4 48.8 73.2

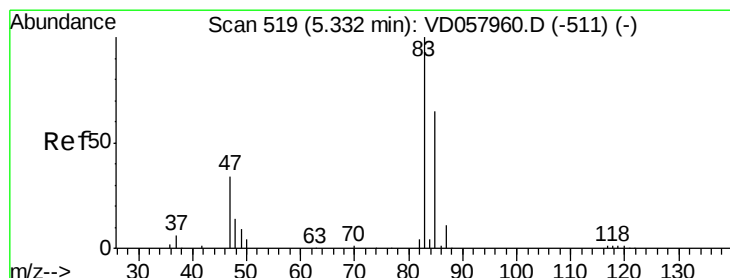
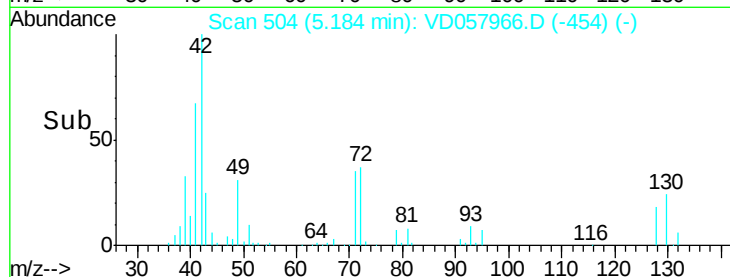
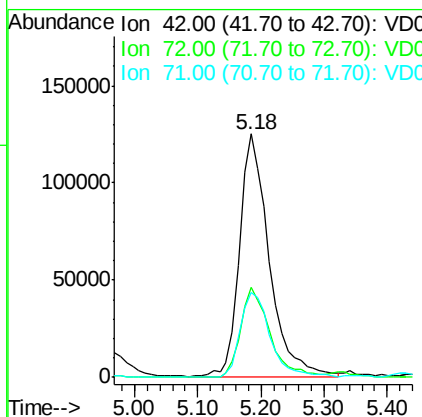
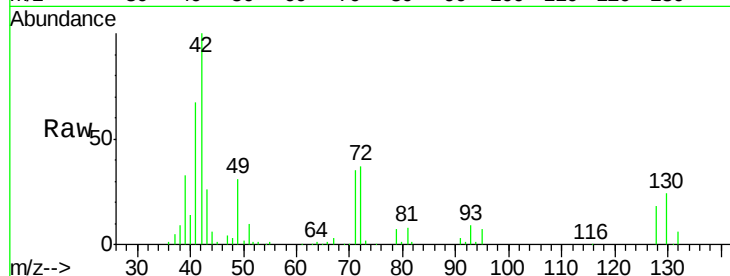




#29
Tetrahydrofuran
Concen: 222.177 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

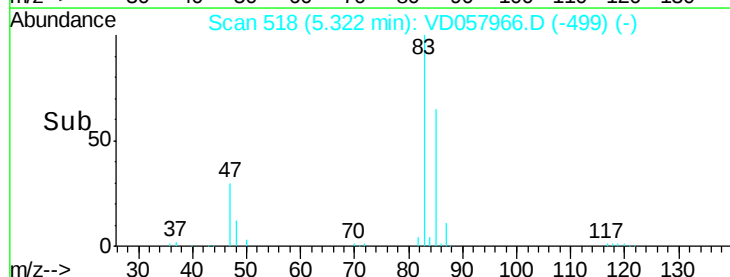
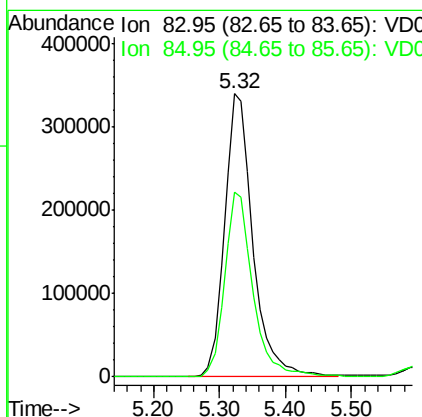
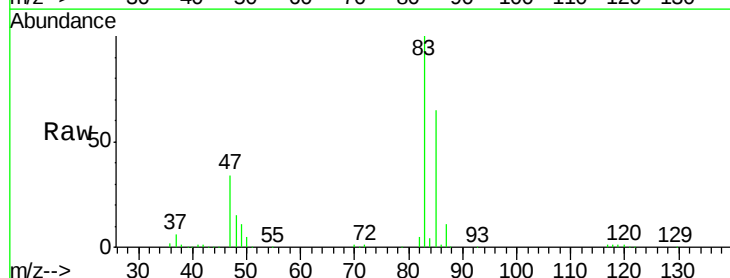
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

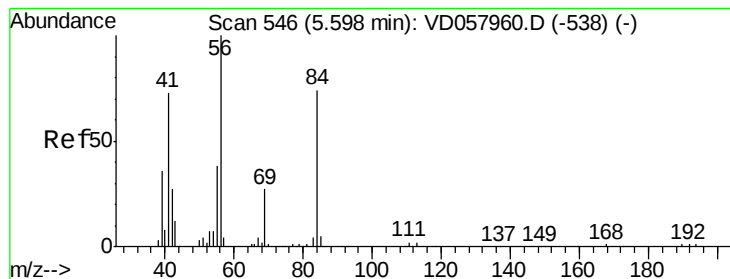
Tgt Ion: 42 Resp: 404113
Ion Ratio Lower Upper
42 100
72 36.6 28.5 42.7
71 35.9 27.9 41.9



#30
Chloroform
Concen: 47.544 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion: 83 Resp: 1021698
Ion Ratio Lower Upper
83 100
85 65.5 51.6 77.4





#31

Cyclohexane

Concen: 42.917 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

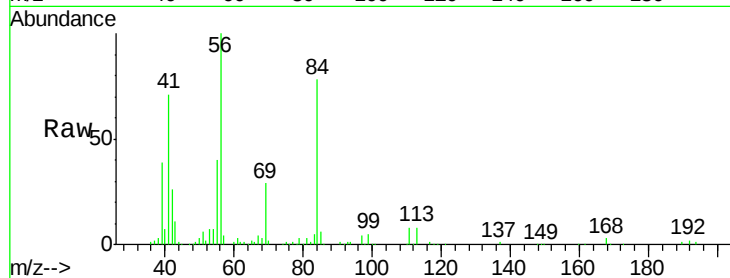
Tgt Ion: 56 Resp: 790825

Ion Ratio Lower Upper

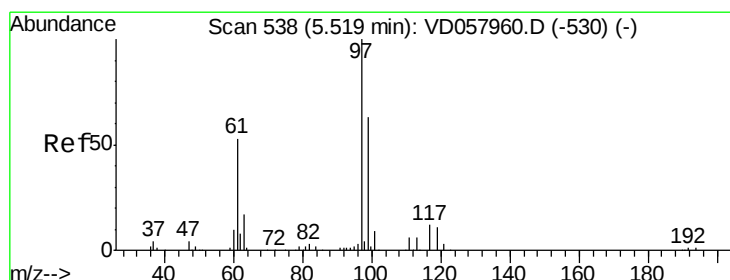
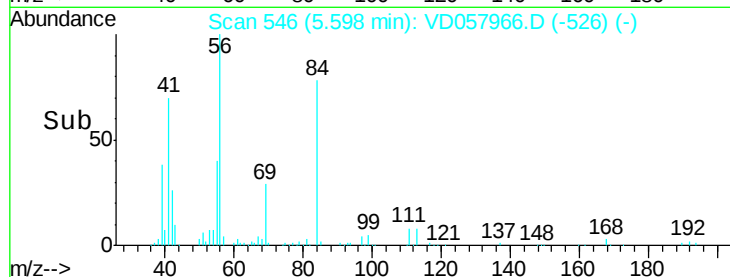
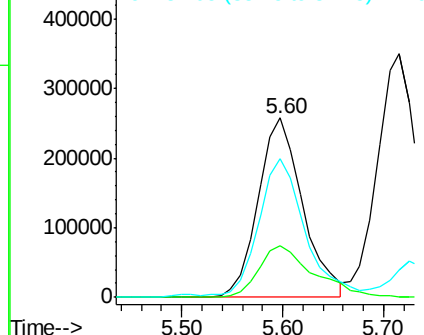
56 100

69 28.5 21.5 32.3

84 77.6 61.0 91.6



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: 49.319 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

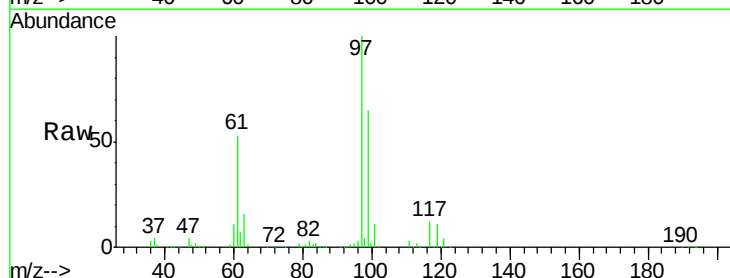
Tgt Ion: 97 Resp: 887402

Ion Ratio Lower Upper

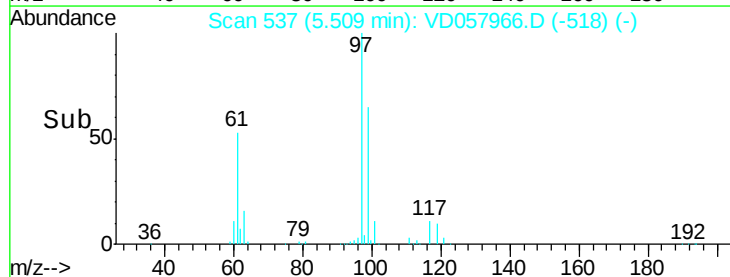
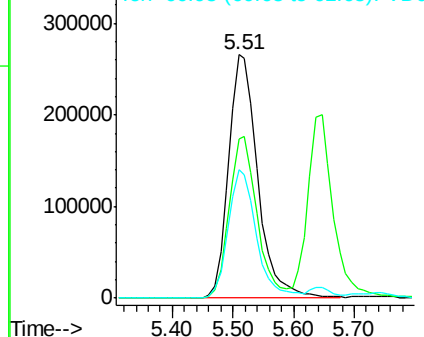
97 100

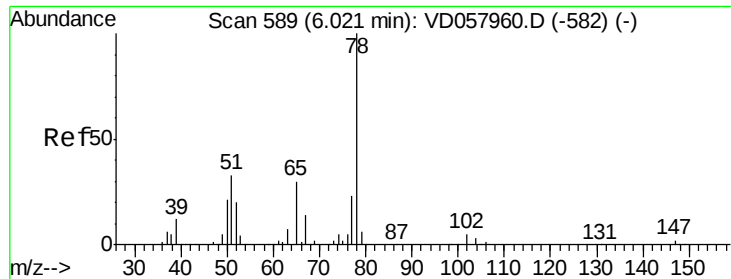
99 65.2 50.1 75.1

61 52.9 42.2 63.4



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





#33

1,2-Dichloroethane-d4

Concen: 49.319 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

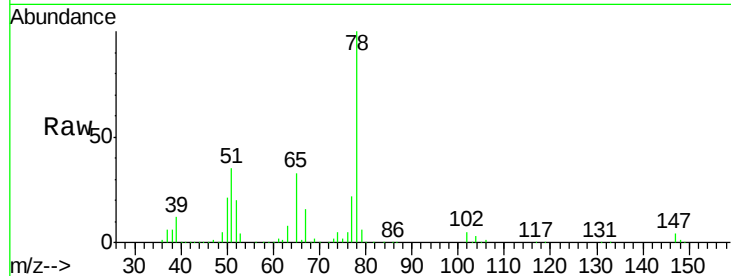
VSTDCCC050

Tgt Ion: 65 Resp: 479944

Ion Ratio Lower Upper

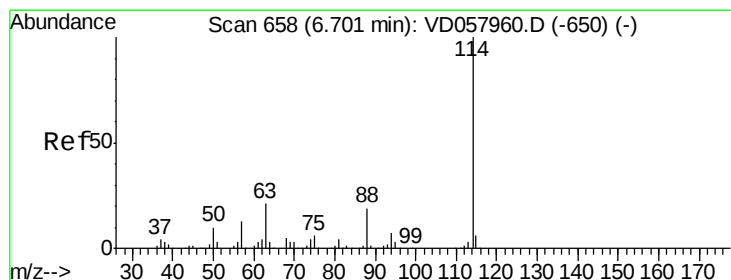
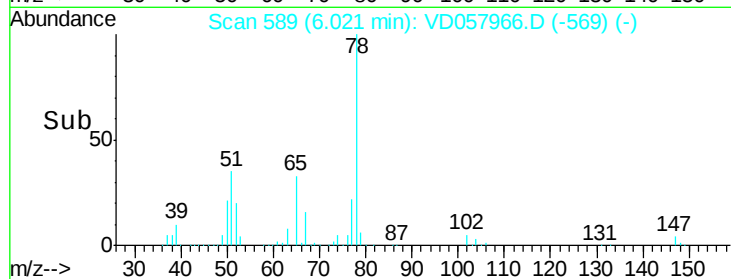
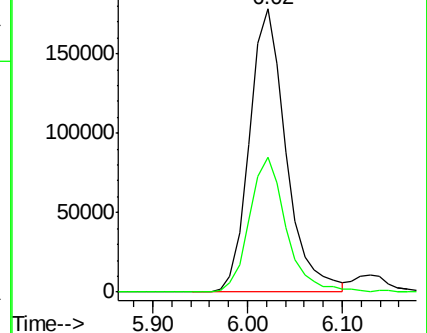
65 100

67 47.7 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

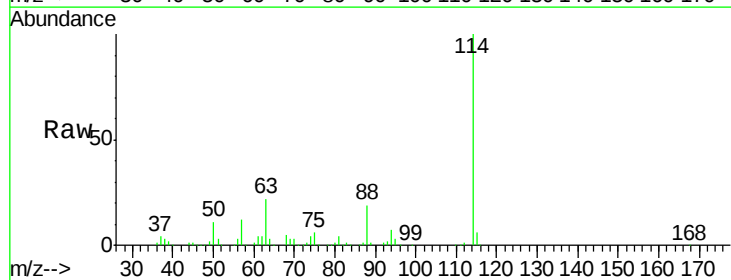
Tgt Ion:114 Resp: 1400215

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.8

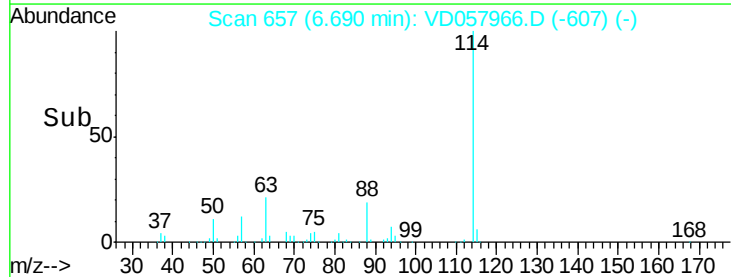
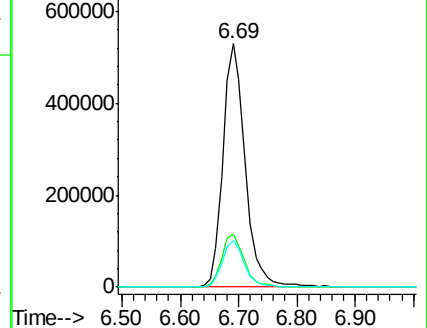
88 19.1 0.0 37.8

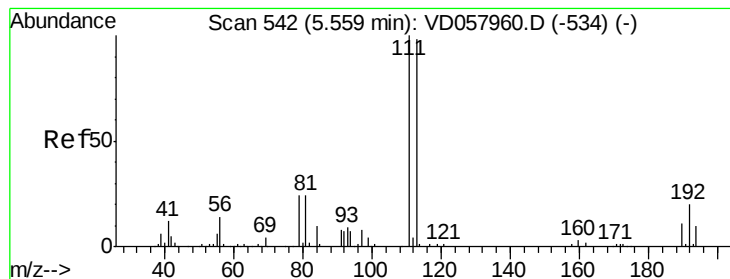


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

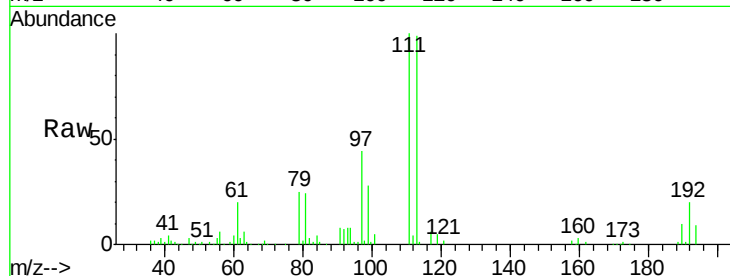
Tgt Ion:113 Resp: 508897

Ion Ratio Lower Upper

113 100

111 101.4 81.5 122.3

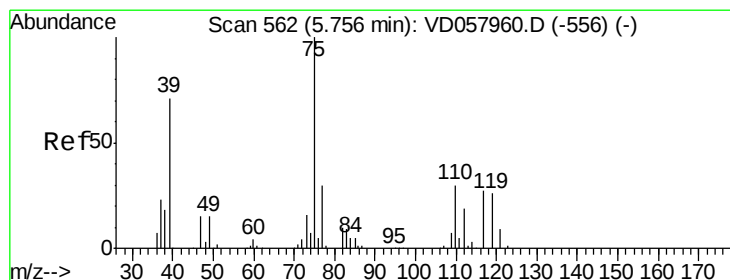
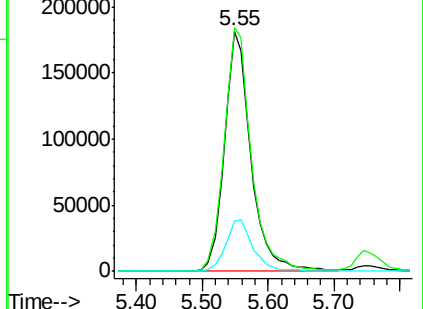
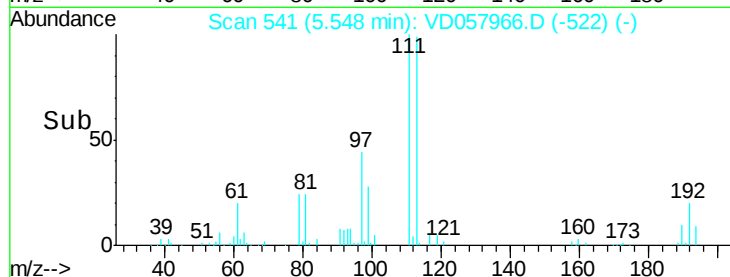
192 20.8 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 46.807 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

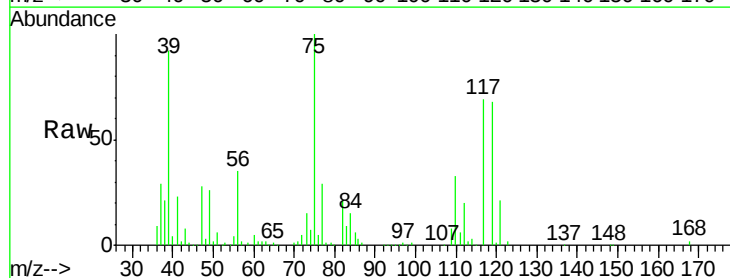
Tgt Ion: 75 Resp: 722073

Ion Ratio Lower Upper

75 100

110 32.8 14.8 44.3

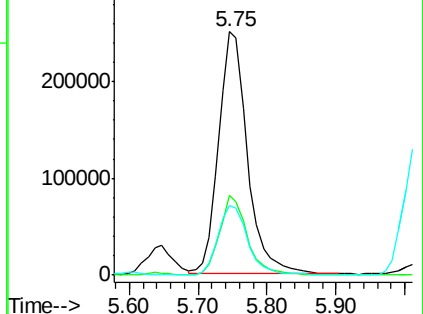
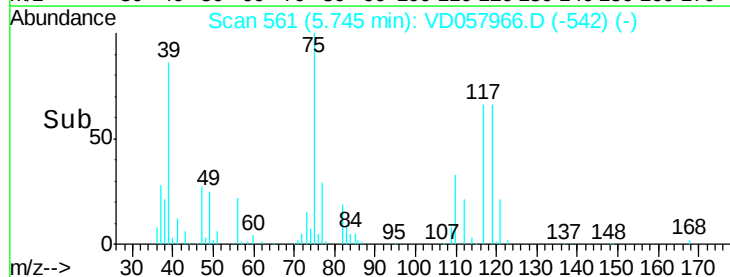
77 28.8 23.9 35.9

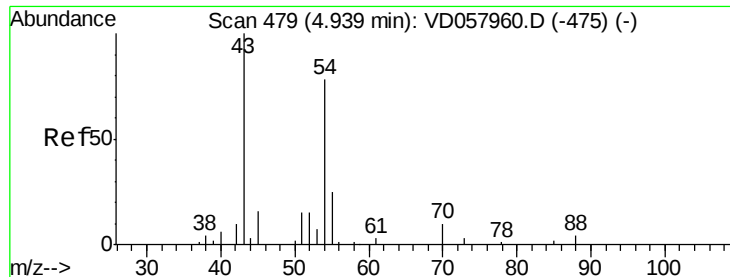


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

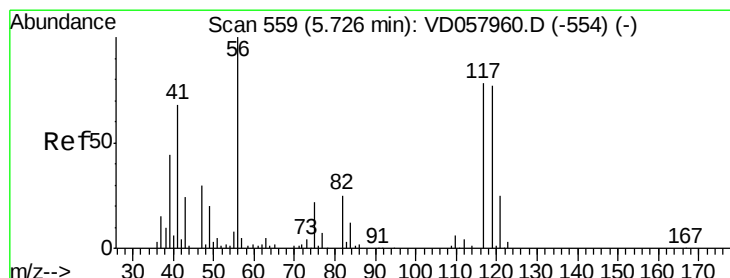
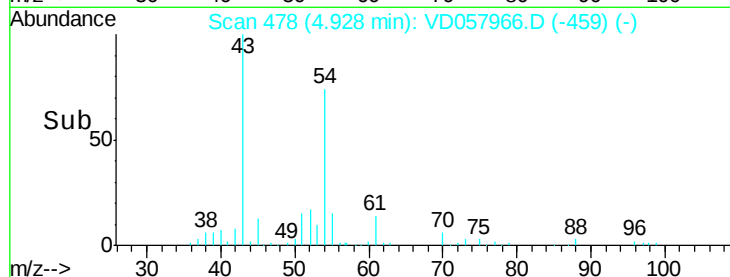
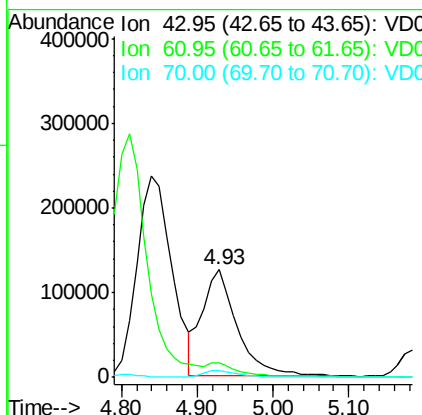
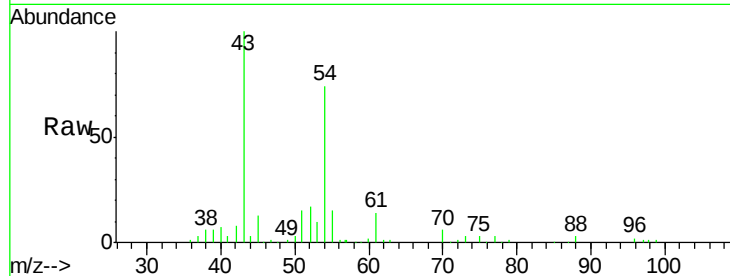




#37
Ethyl Acetate
Concen: 48.331 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

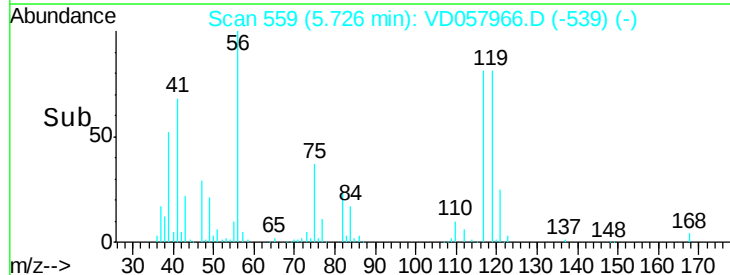
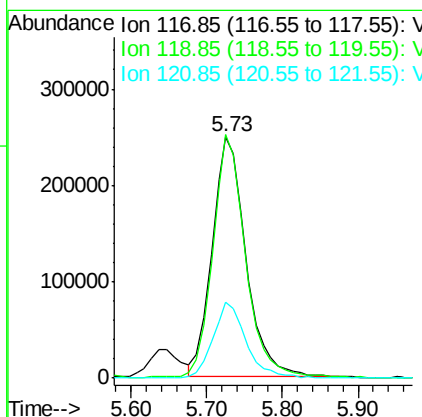
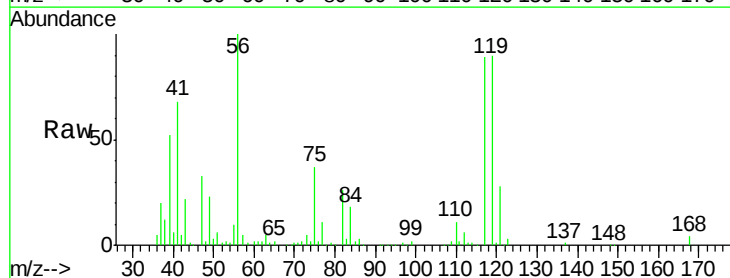
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

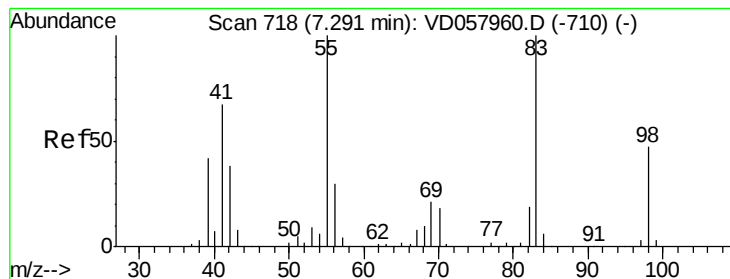
Tgt Ion: 43 Resp: 406827
Ion Ratio Lower Upper
43 100
61 13.9 9.9 14.9
70 6.1 5.7 8.5



#38
Carbon Tetrachloride
Concen: 50.497 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion: 117 Resp: 767730
Ion Ratio Lower Upper
117 100
119 100.9 76.1 114.1
121 31.4 24.9 37.3





#39

Methylcyclohexane

Concen: 44.179 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

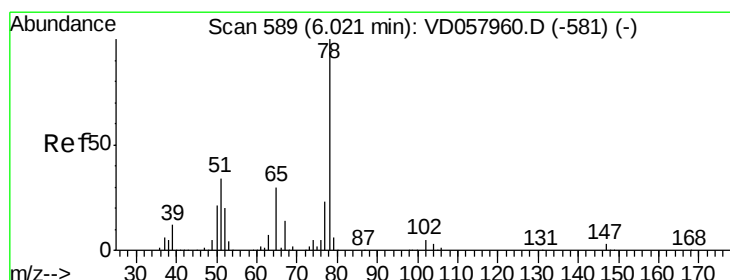
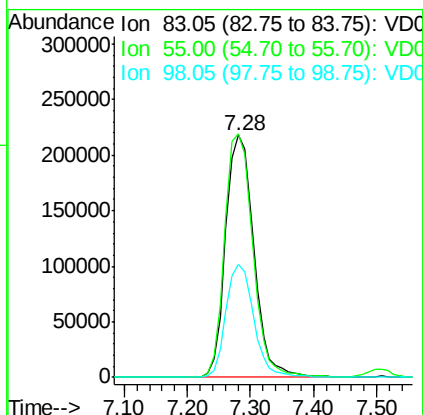
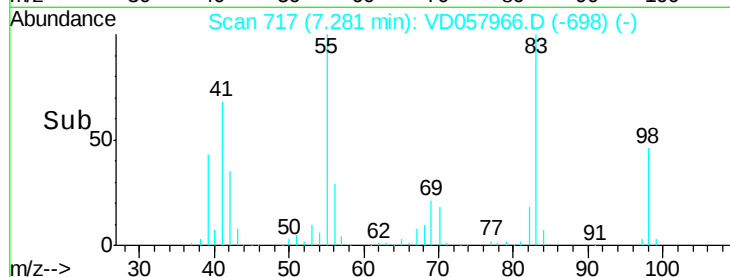
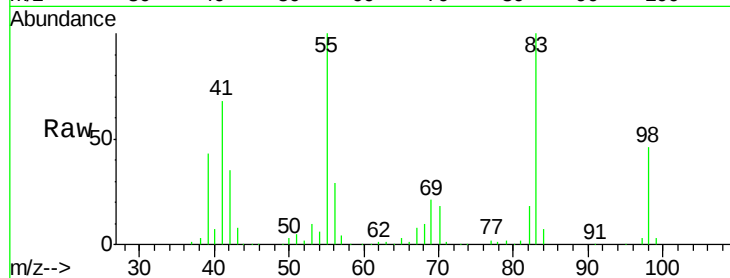
Tgt Ion: 83 Resp: 675606

Ion Ratio Lower Upper

83 100

55 100.5 80.3 120.5

98 46.5 38.0 57.0



#40

Benzene

Concen: 46.446 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD057966.D

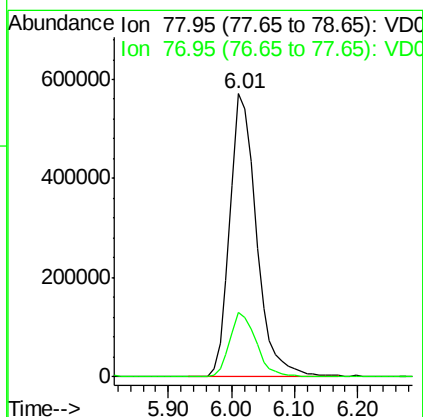
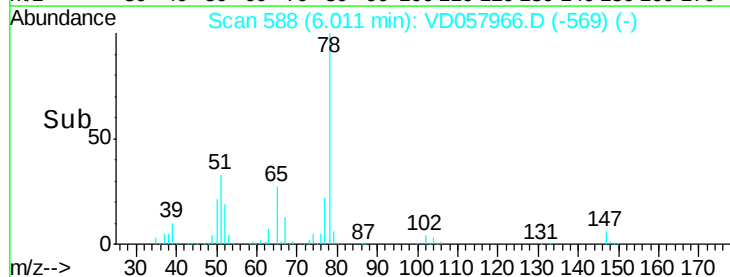
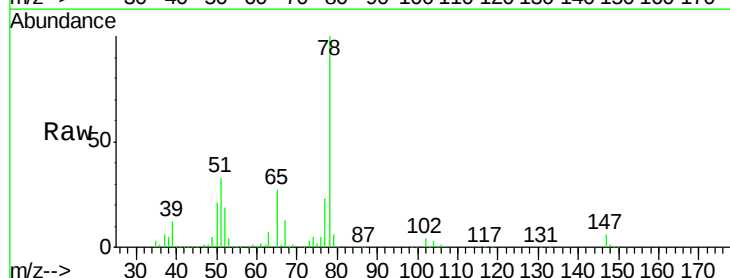
Acq: 7 Jun 2018 12:19

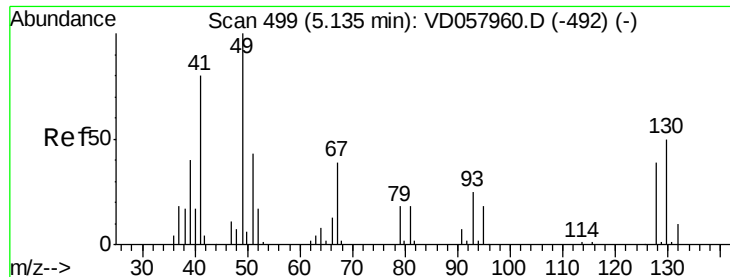
Tgt Ion: 78 Resp: 1673806

Ion Ratio Lower Upper

78 100

77 22.8 18.1 27.1





#41

Methacrylonitrile

Concen: 51.564 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 198463

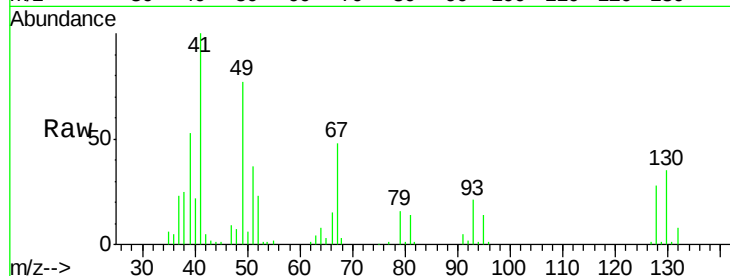
Ion Ratio Lower Upper

41 100

39 53.5 40.7 61.1

67 47.6 38.8 58.2

52 23.5 17.3 25.9

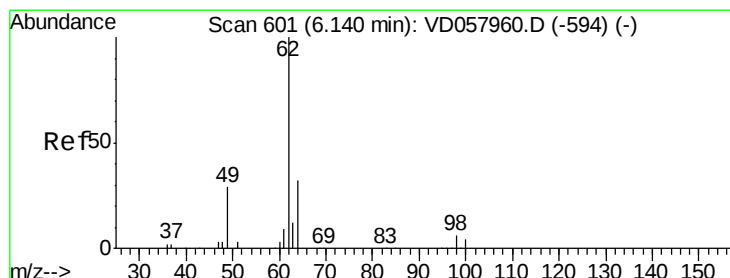
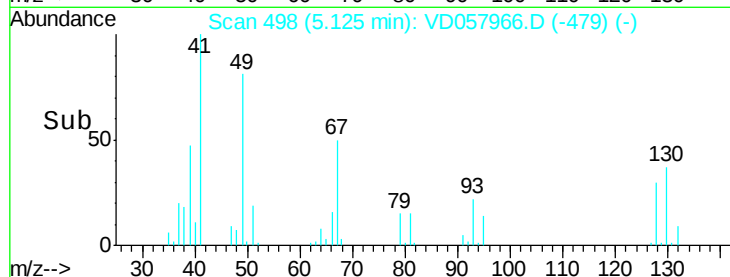
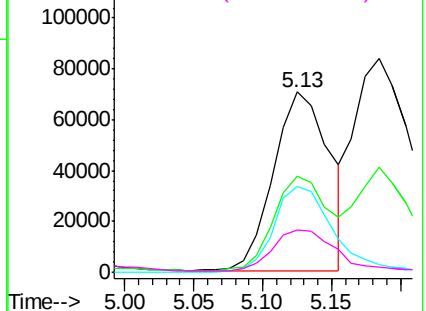


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.639 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD057966.D

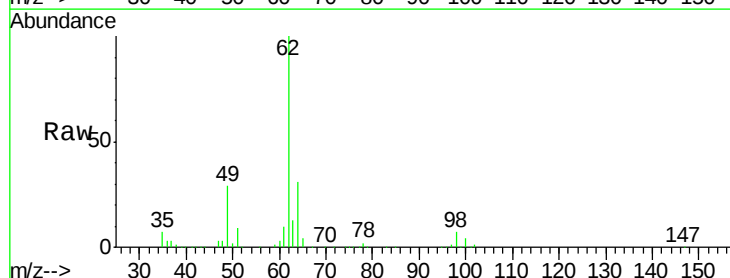
Acq: 7 Jun 2018 12:19

Tgt Ion: 62 Resp: 708708

Ion Ratio Lower Upper

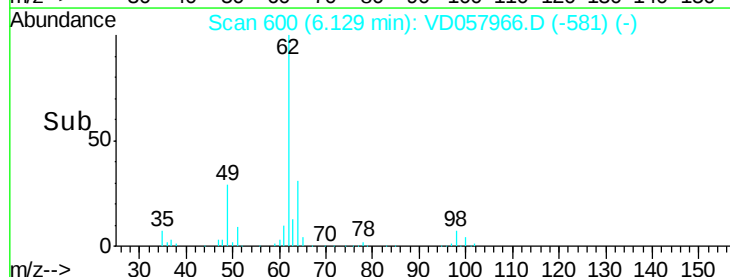
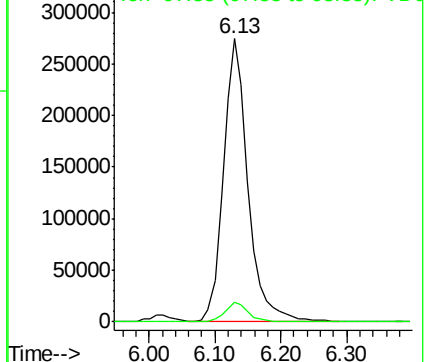
62 100

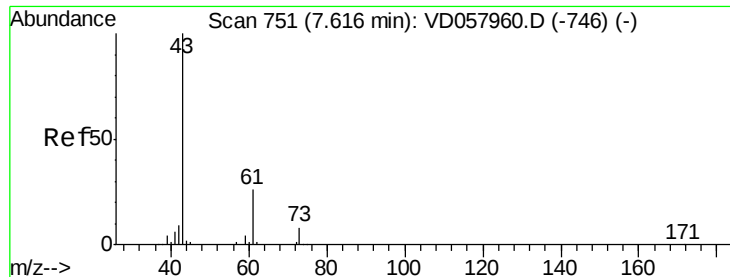
98 6.8 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 47.947 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

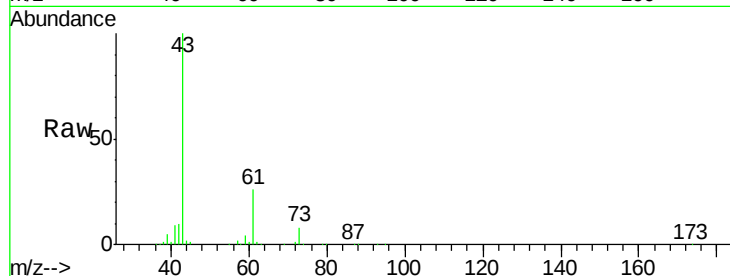
Tgt Ion: 43 Resp: 528642

Ion Ratio Lower Upper

43 100

61 26.4 20.6 30.8

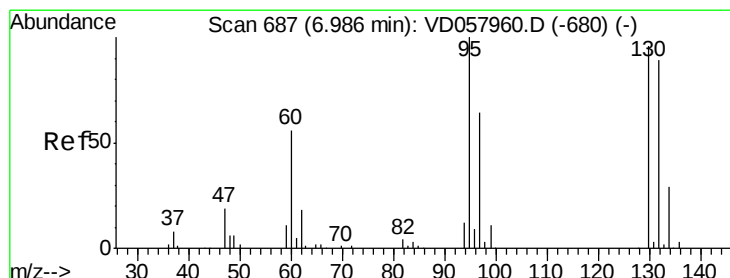
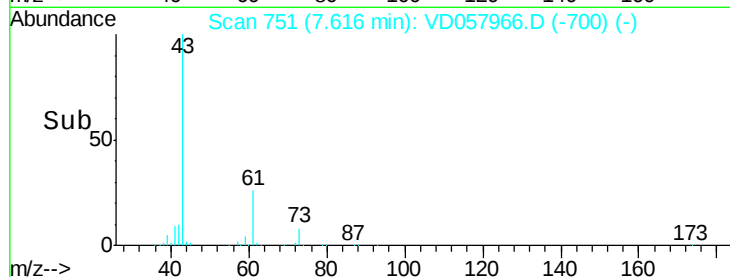
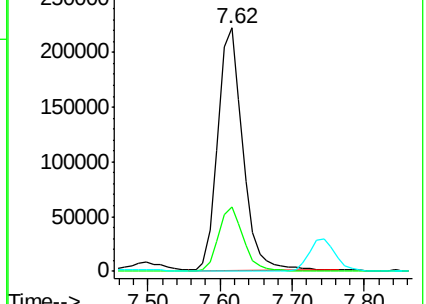
87 0.4 0.2 0.4



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: 49.979 ug/l

RT: 6.99 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD057966.D

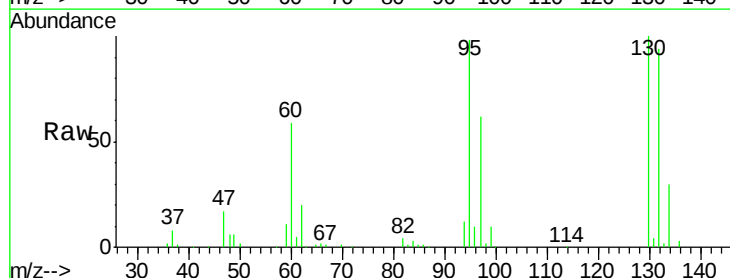
Acq: 7 Jun 2018 12:19

Tgt Ion:130 Resp: 526103

Ion Ratio Lower Upper

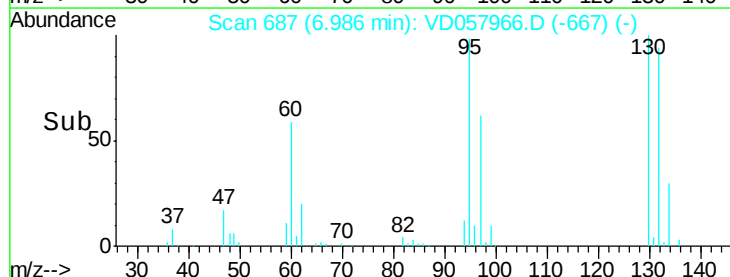
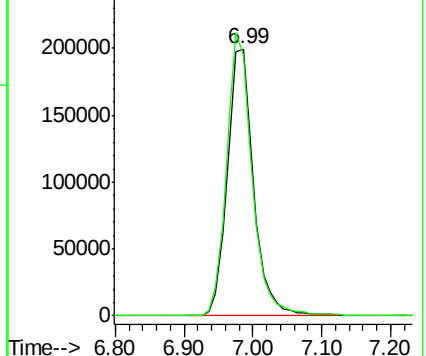
130 100

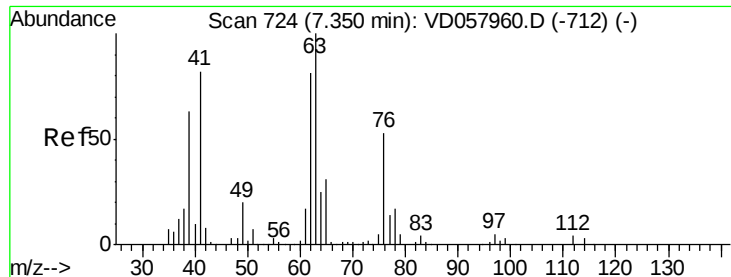
95 97.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.641 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

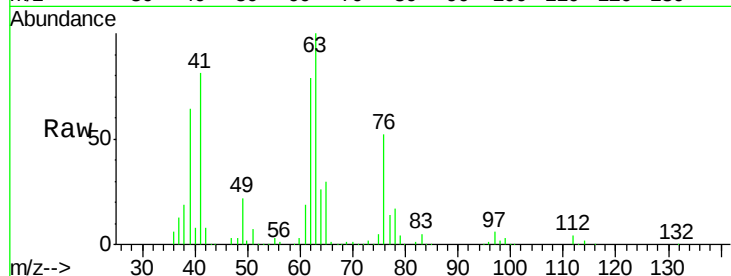
VSTDCCC050

Tgt Ion: 63 Resp: 477178

Ion Ratio Lower Upper

63 100

65 30.1 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

200000

150000

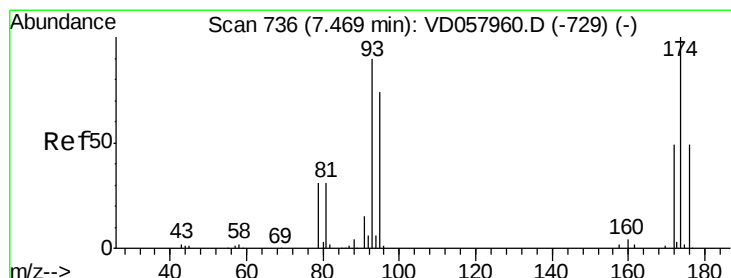
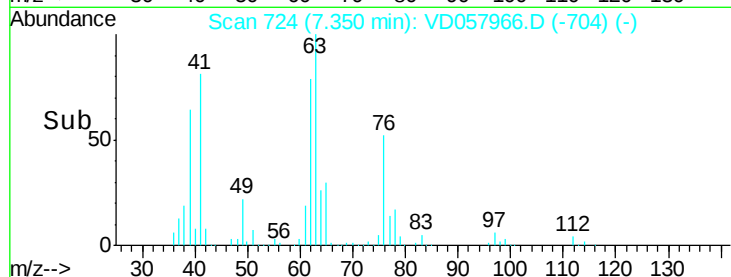
100000

50000

0

7.20 7.30 7.40 7.50

Time-->



#46

Dibromomethane

Concen: 48.023 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

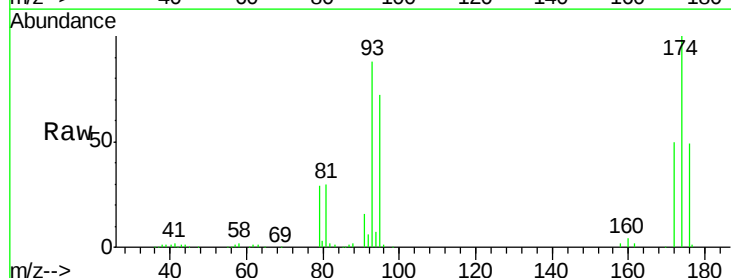
Tgt Ion: 93 Resp: 308994

Ion Ratio Lower Upper

93 100

95 81.7 65.7 98.5

174 114.0 89.0 133.4



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

200000

150000

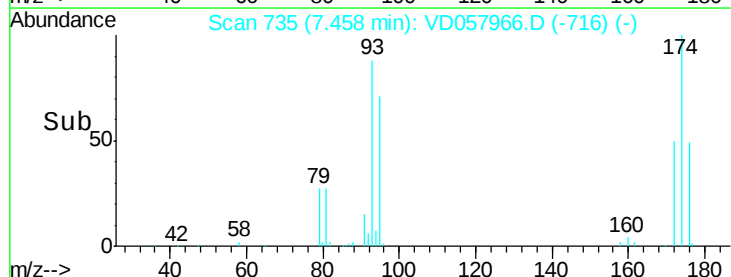
100000

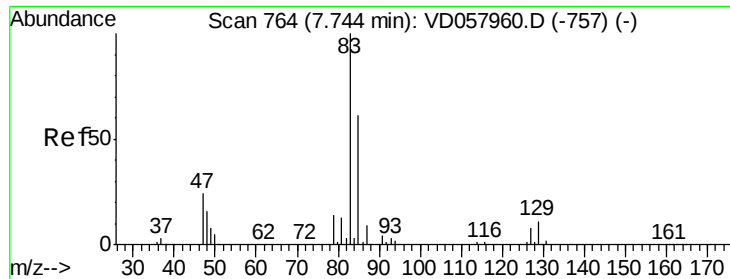
50000

0

7.40 7.50 7.60

Time-->





#47

Bromodichloromethane

Concen: 49.893 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

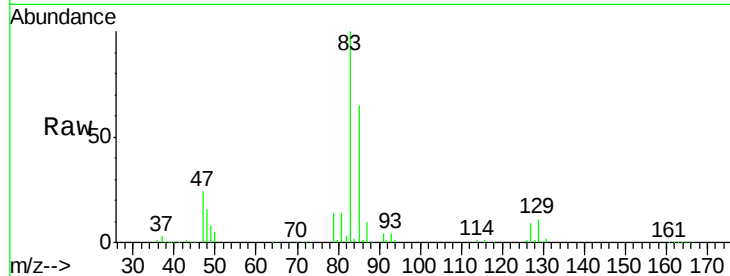
Tgt Ion: 83 Resp: 751654

Ion Ratio Lower Upper

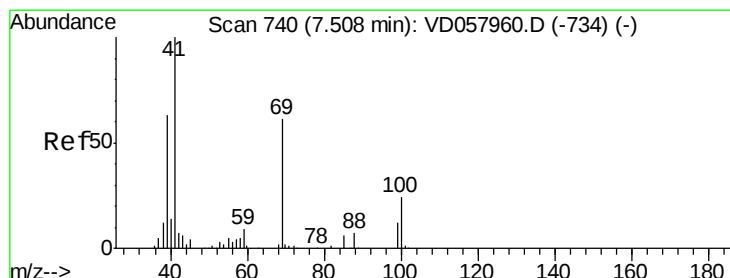
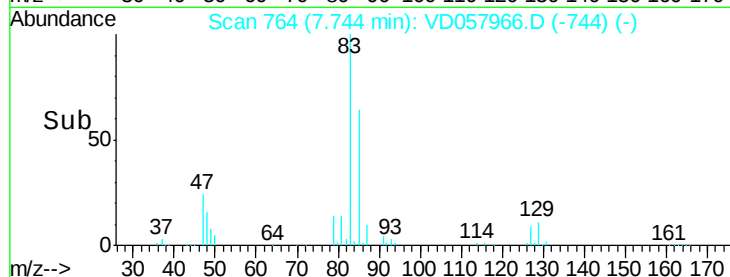
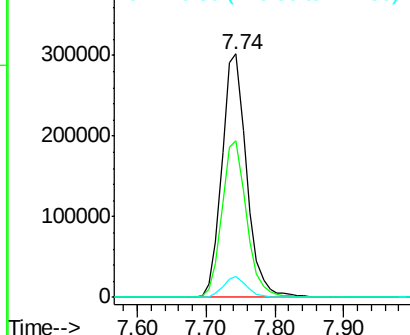
83 100

85 64.5 49.1 73.7

127 8.7 6.2 9.2



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: 47.489 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

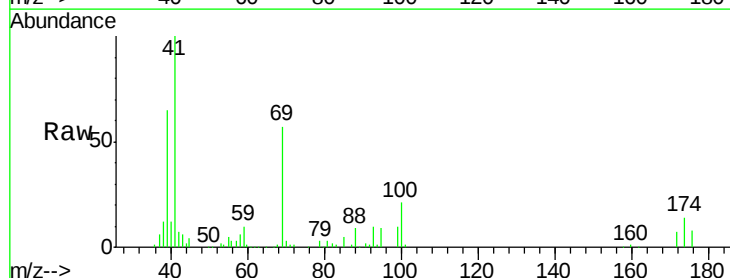
Tgt Ion: 41 Resp: 322267

Ion Ratio Lower Upper

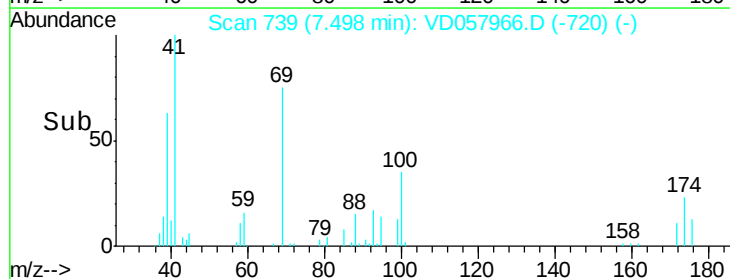
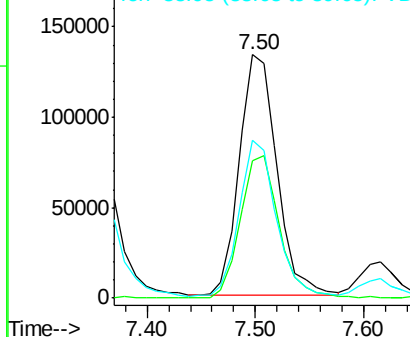
41 100

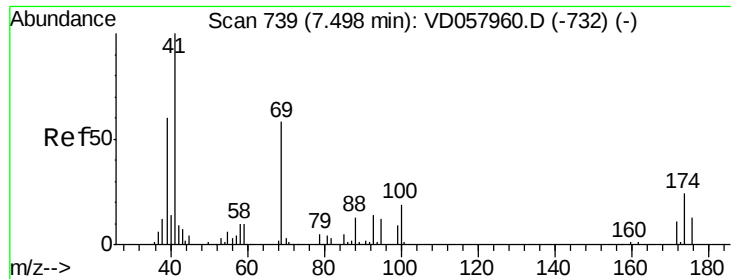
69 56.6 48.0 72.0

39 64.7 50.7 76.1



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

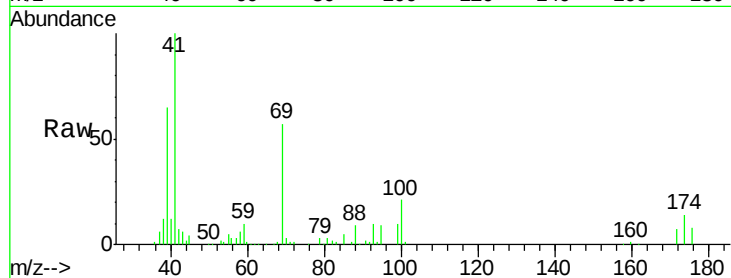




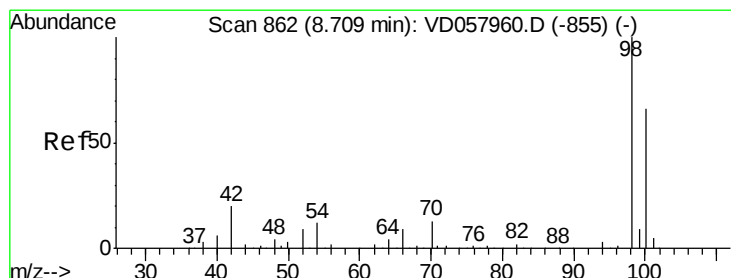
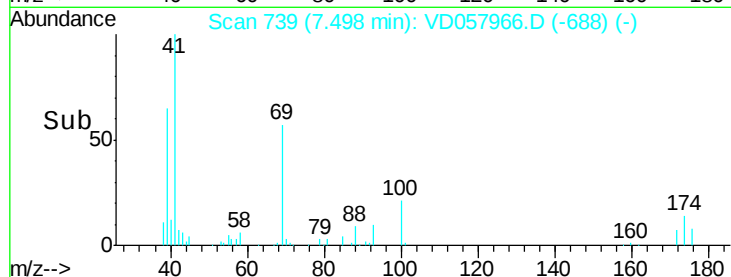
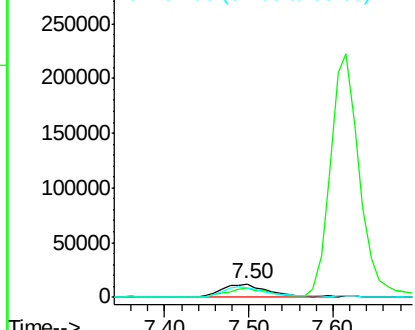
#49
1,4-Dioxane
Concen: 889.852 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.00 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 50026
Ion Ratio Lower Upper
88 100
43 66.4 46.6 69.8
58 69.5 63.6 95.4

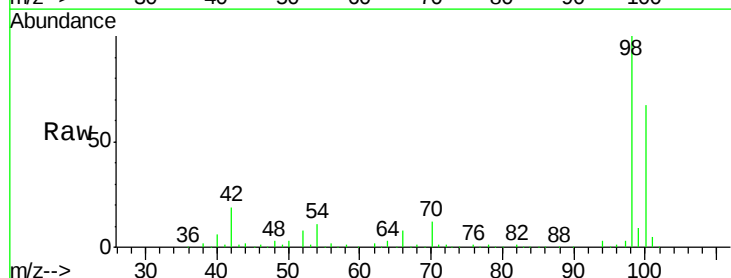


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

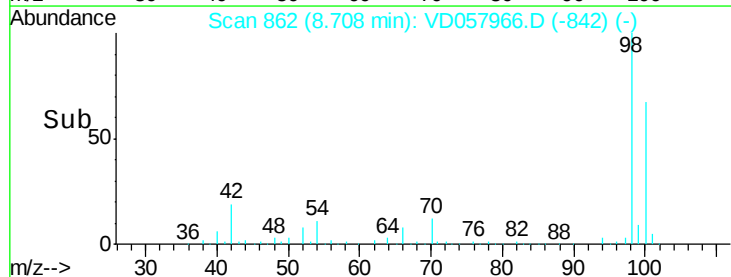
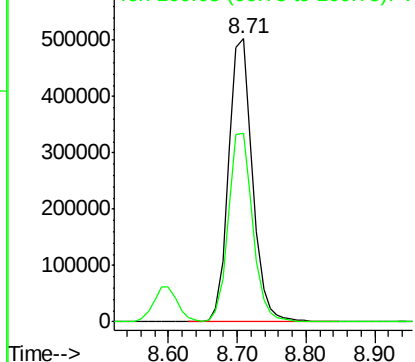


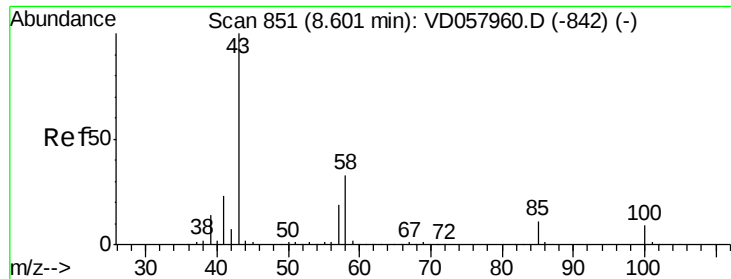
#50
Toluene-d8
Concen: 889.852 ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion: 98 Resp: 1208035
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



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: 239.256 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

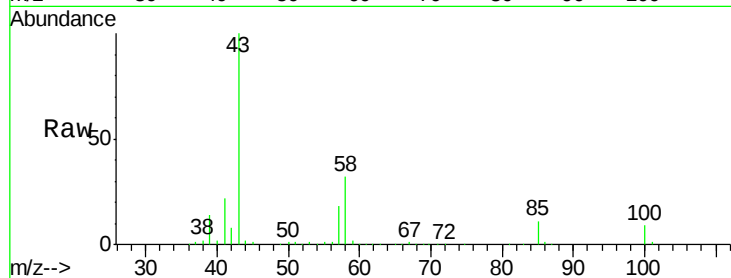
VSTDCCC050

Tgt Ion: 43 Resp: 1692010

Ion Ratio Lower Upper

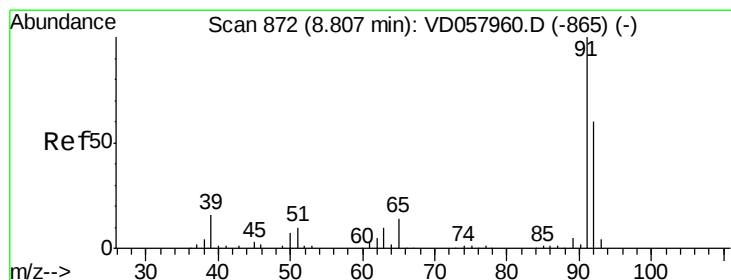
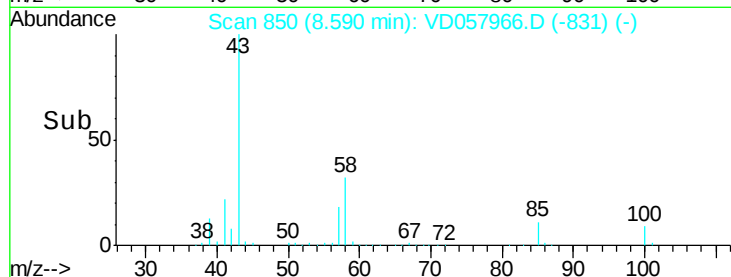
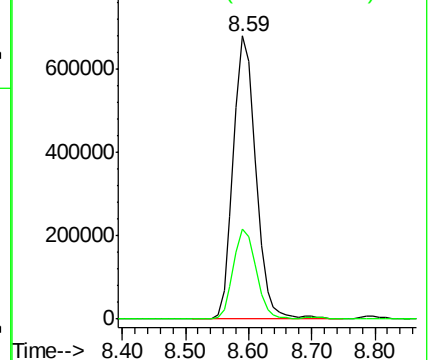
43 100

58 31.7 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.946 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD057966.D

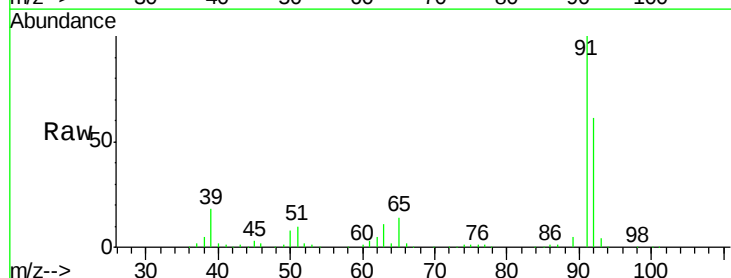
Acq: 7 Jun 2018 12:19

Tgt Ion: 92 Resp: 970952

Ion Ratio Lower Upper

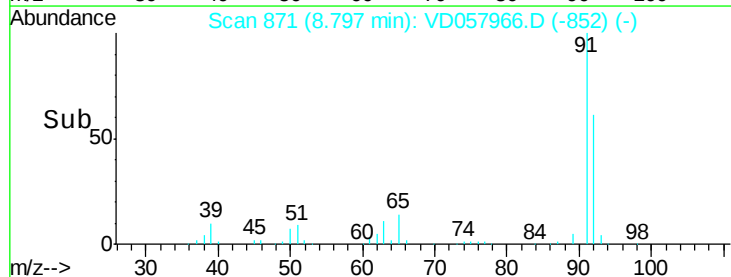
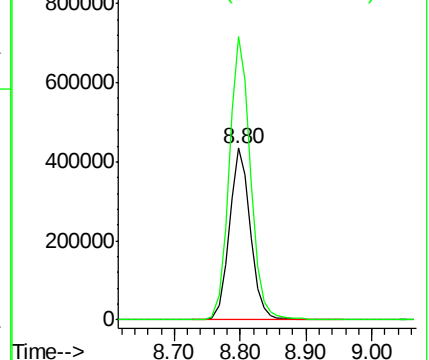
92 100

91 164.8 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

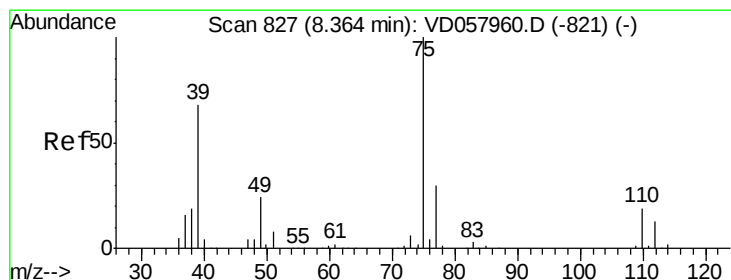
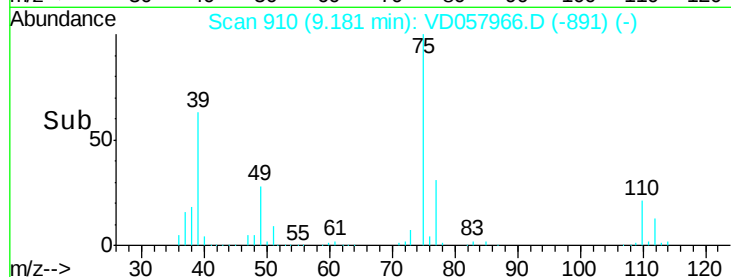
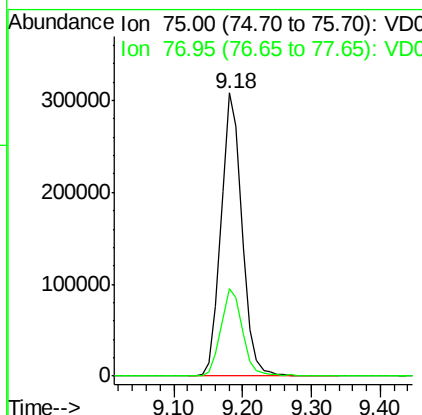
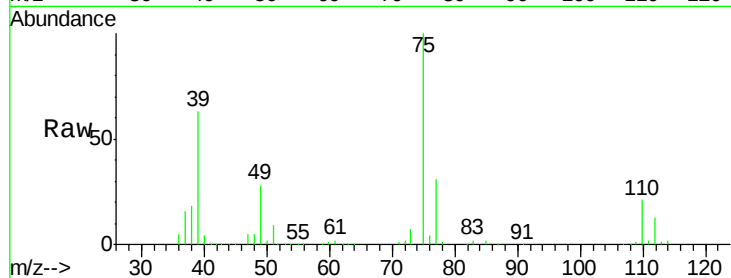




#53
 t-1,3-Dichloropropene
 Concen: 50.078 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

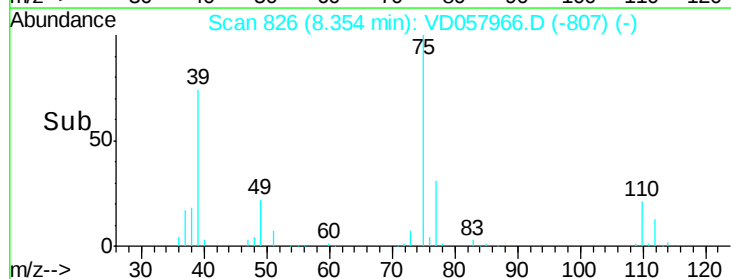
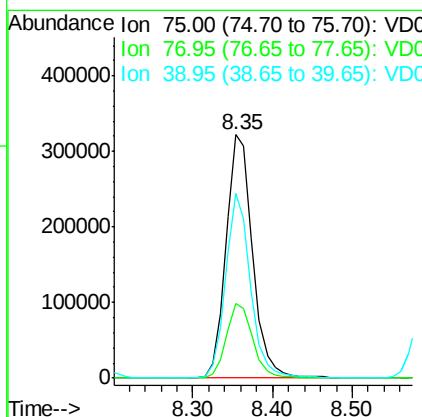
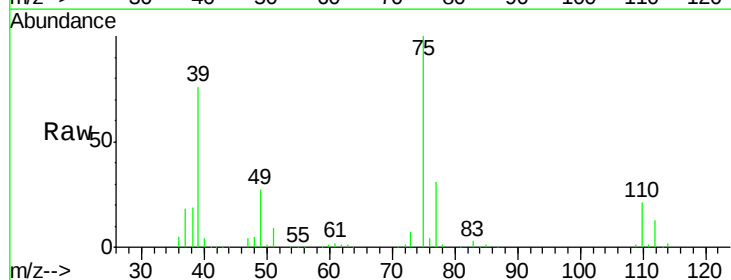
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

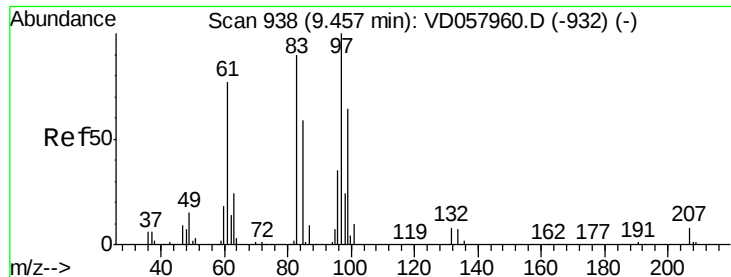
Tgt Ion: 75 Resp: 649992
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 49.262 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Tgt Ion: 75 Resp: 753288
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.1 36.1
 39 75.8 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 48.320 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 323437

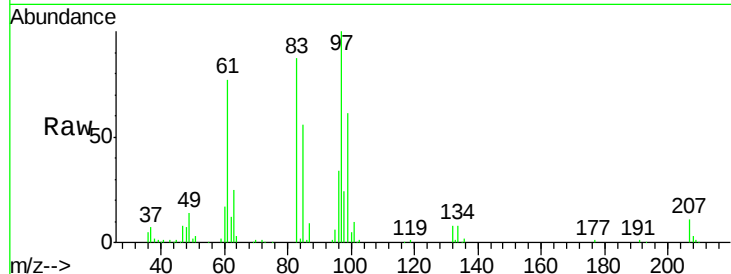
Ion Ratio Lower Upper

97 100

83 87.4 71.8 107.8

85 55.7 47.2 70.8

99 60.6 51.4 77.0

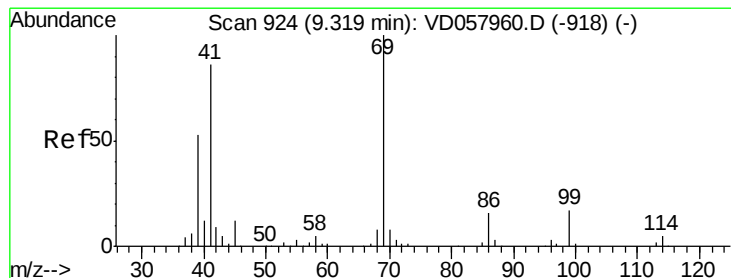
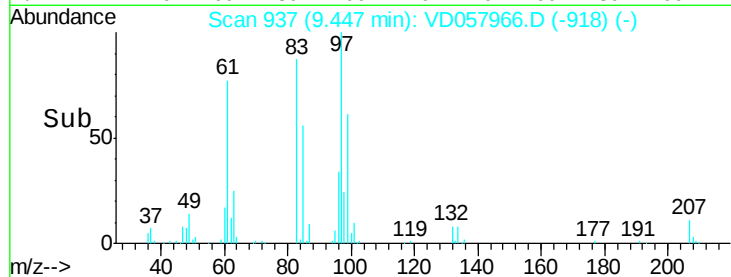
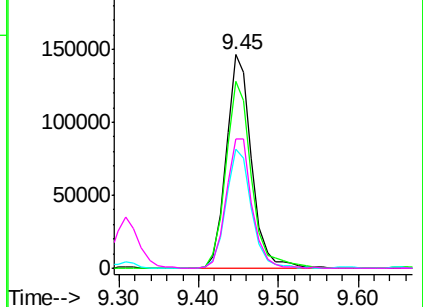


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 47.702 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

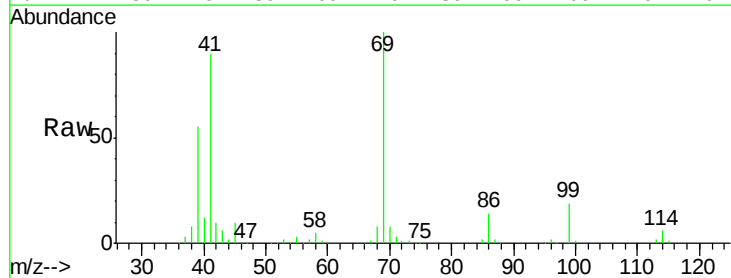
Tgt Ion: 69 Resp: 391674

Ion Ratio Lower Upper

69 100

41 90.1 68.4 102.6

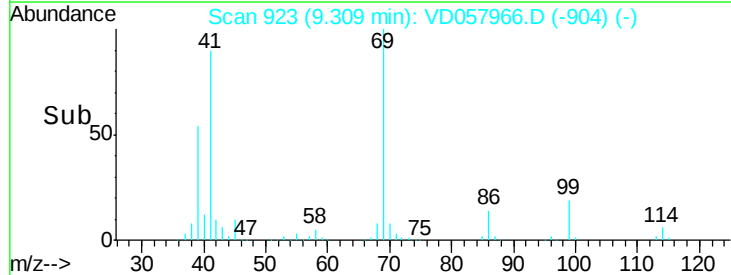
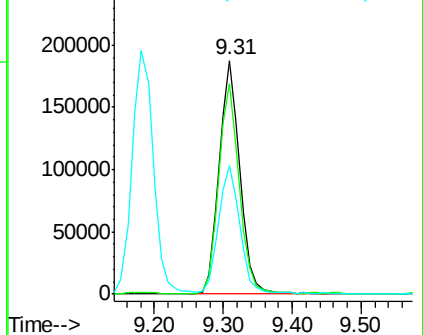
39 54.6 43.0 64.4

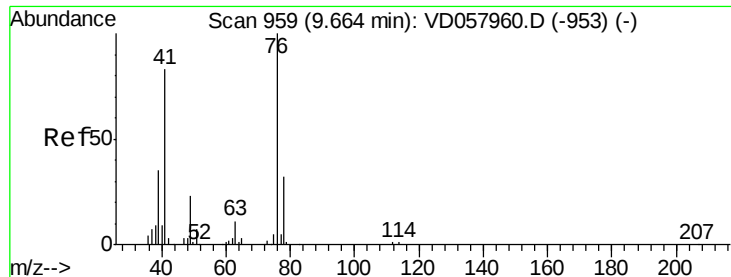


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

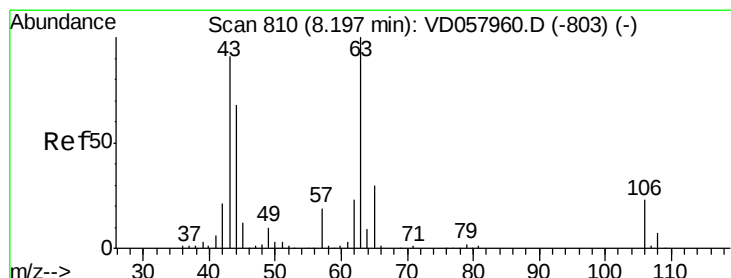
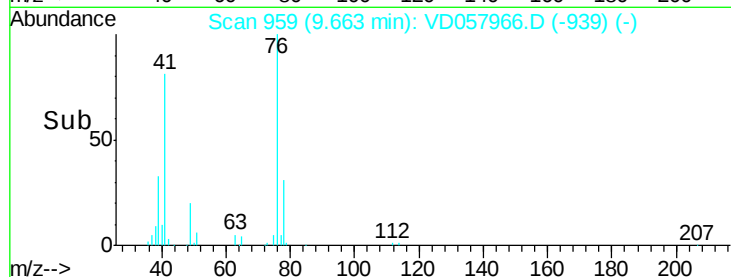
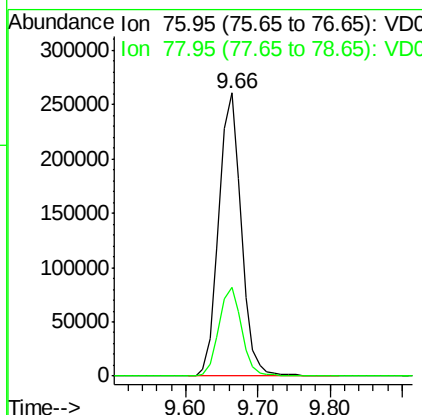
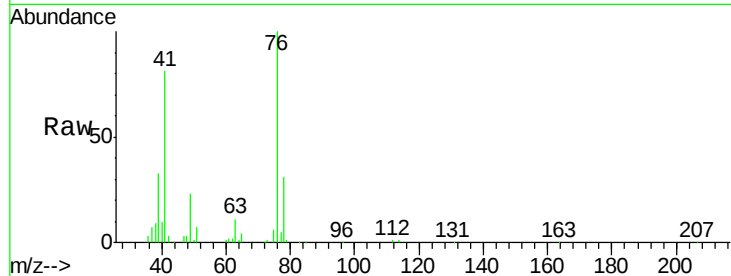




#57
 1,3-Dichloropropane
 Concen: 47.838 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

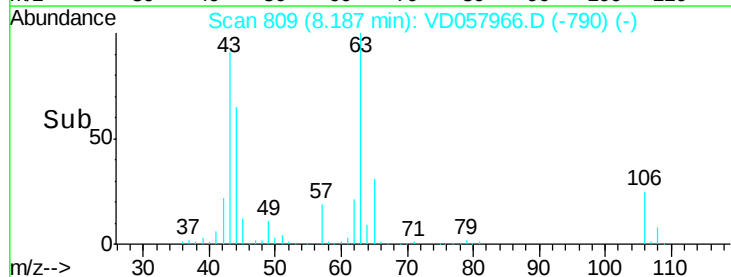
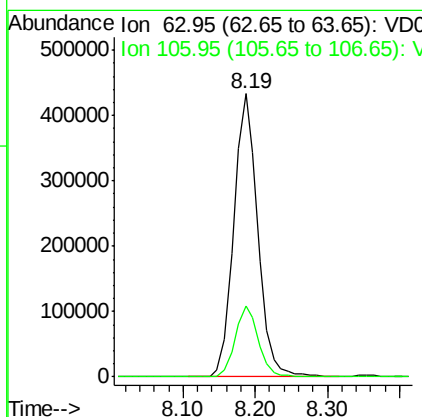
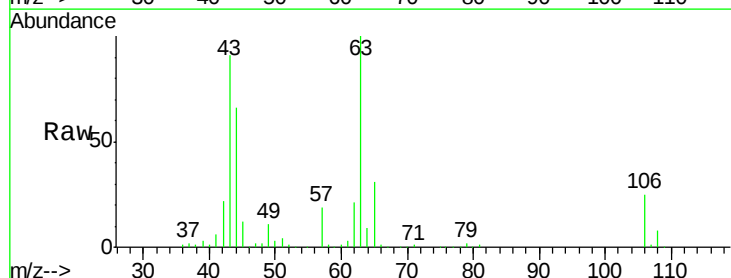
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

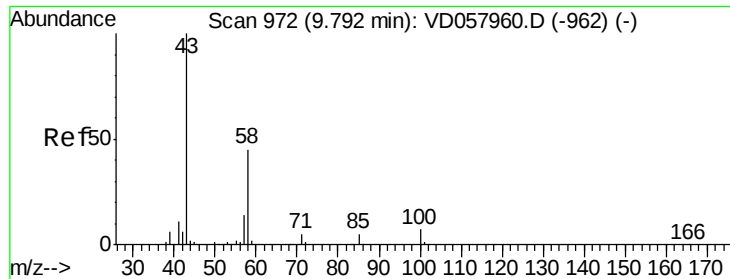
Tgt Ion: 76 Resp: 561624
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.080 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Tgt Ion: 63 Resp: 1004231
 Ion Ratio Lower Upper
 63 100
 106 25.0 18.7 28.1





#59

2-Hexanone

Concen: 243.325 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

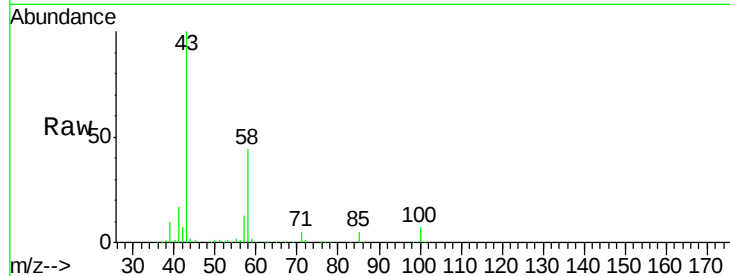
VSTDCCC050

Tgt Ion: 43 Resp: 1261058

Ion Ratio Lower Upper

43 100

58 43.6 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

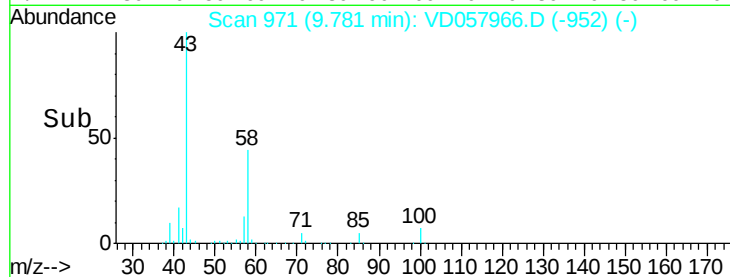
600000

400000

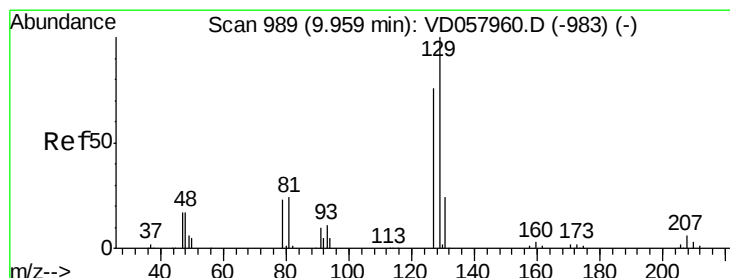
200000

0

9.60 9.80



Time-->



#60

Dibromochloromethane

Concen: 51.356 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.00 min

Lab File: VD057966.D

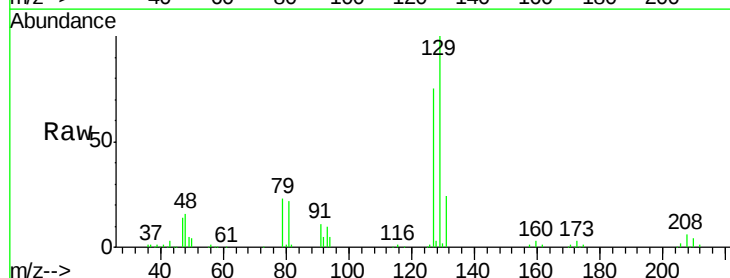
Acq: 7 Jun 2018 12:19

Tgt Ion: 129 Resp: 484754

Ion Ratio Lower Upper

129 100

127 74.7 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

250000

200000

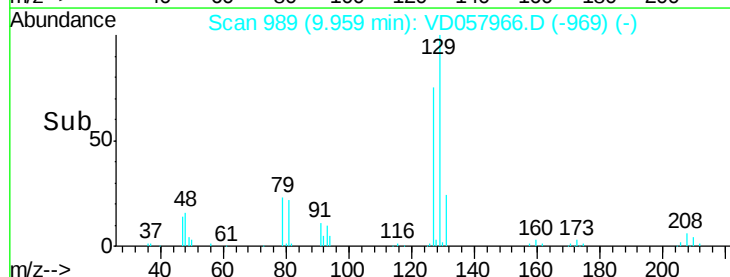
150000

100000

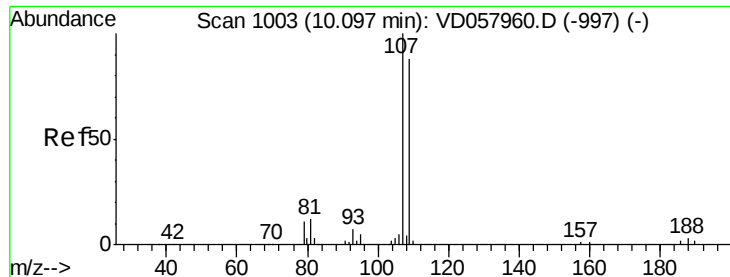
50000

0

9.80 9.90 10.00 10.10



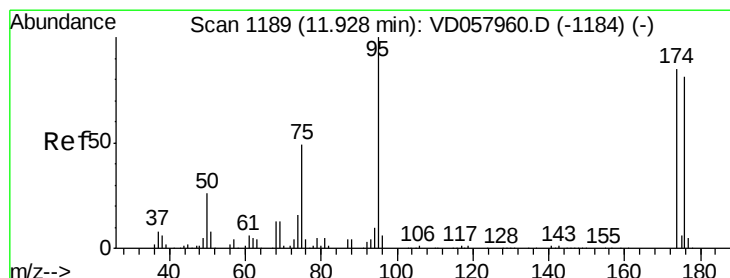
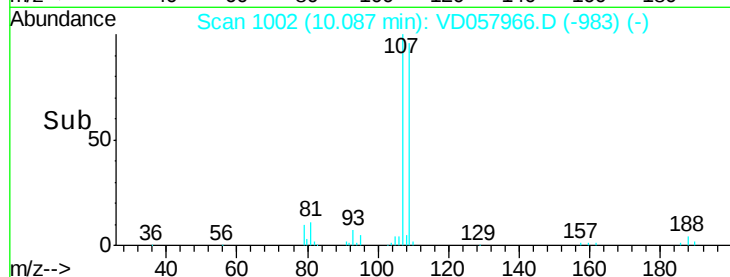
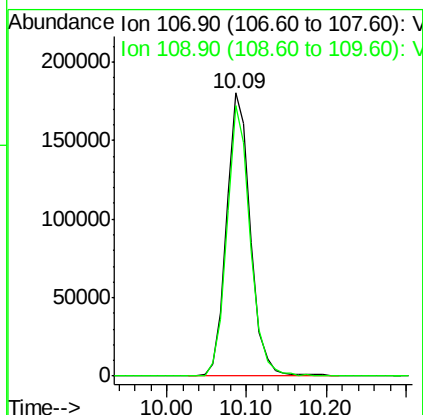
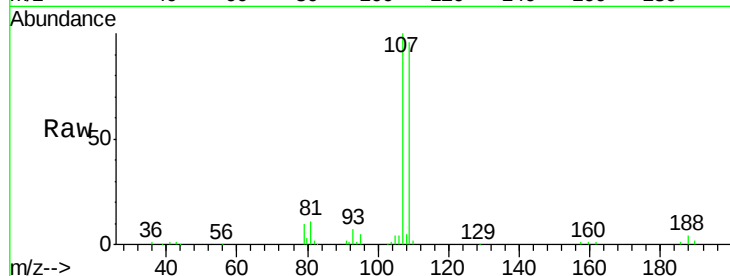
Time-->



#61
 1,2-Dibromoethane
 Concen: 49.285 ug/l
 RT: 10.09 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

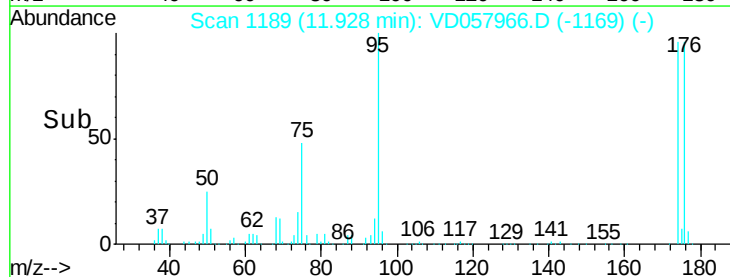
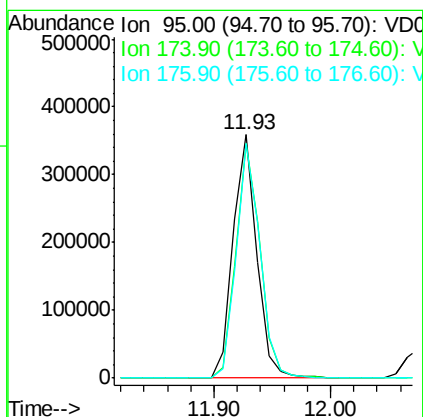
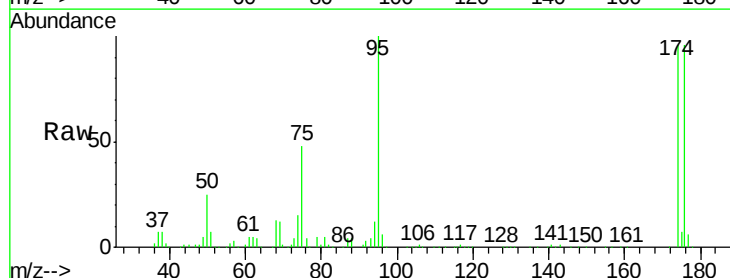
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

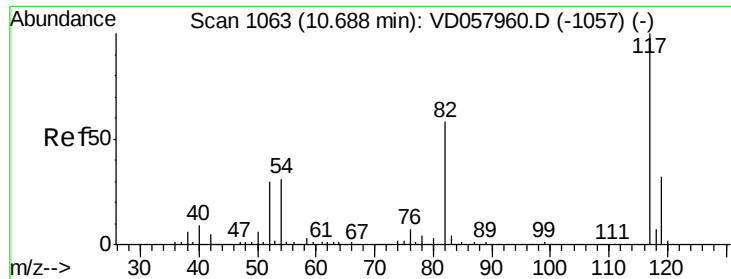
Tgt Ion: 107 Resp: 379384
 Ion Ratio Lower Upper
 107 100
 109 95.6 70.6 106.0



#62
 4-Bromofluorobenzene
 Concen: 49.285 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Tgt Ion: 95 Resp: 506633
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 169.4
 176 96.4 0.0 162.6

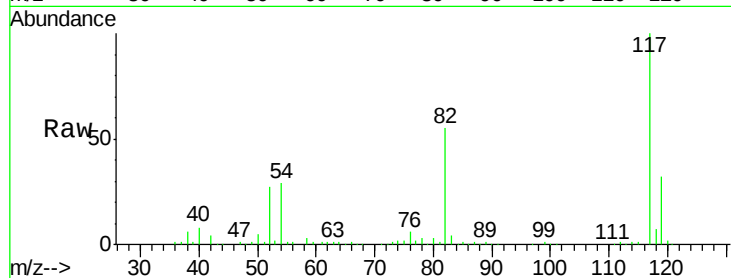




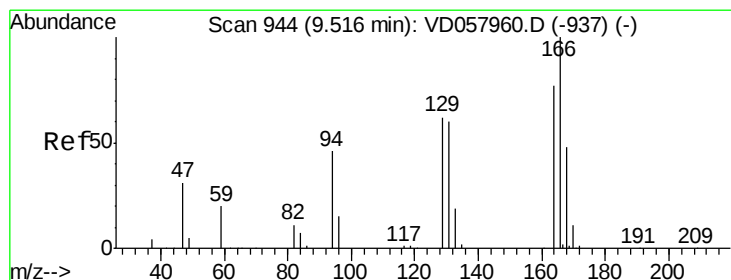
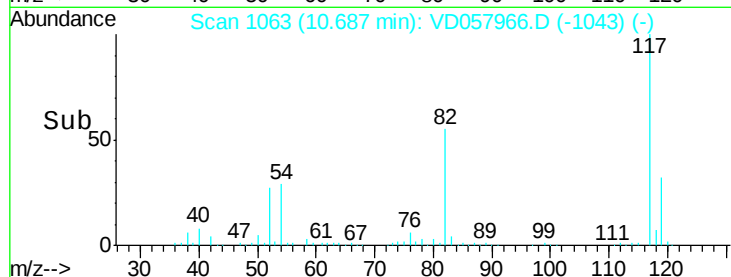
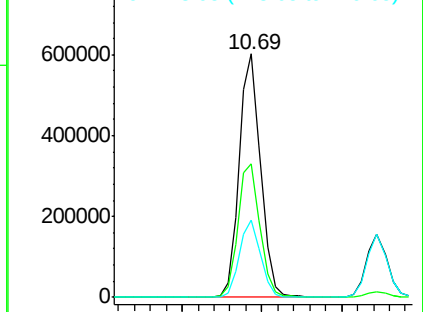
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1124316
Ion Ratio Lower Upper
117 100
82 54.9 46.8 70.2
119 31.6 25.8 38.6

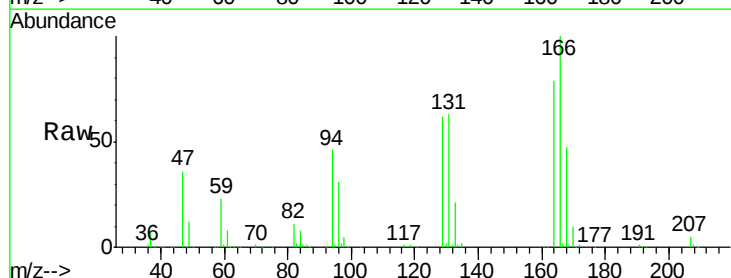


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

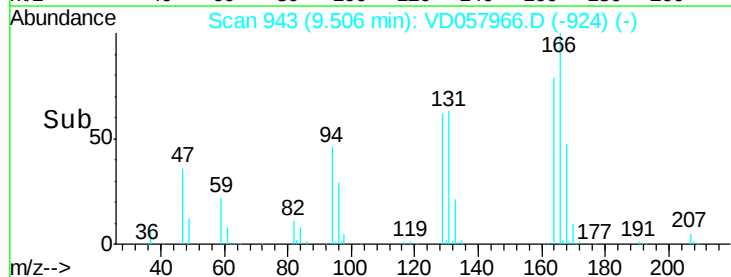
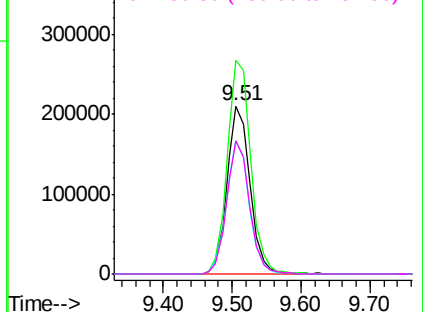


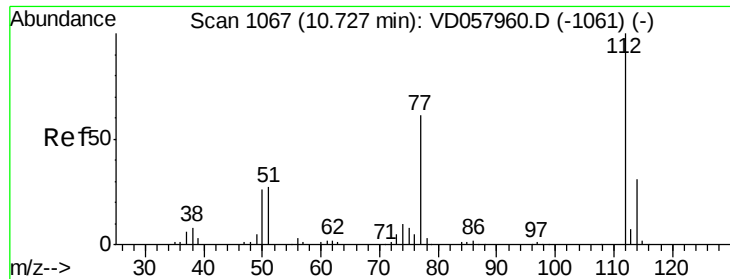
#64
Tetrachloroethene
Concen: 48.037 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion:164 Resp: 482837
Ion Ratio Lower Upper
164 100
166 127.0 104.4 156.6
129 79.4 65.0 97.6
131 79.6 62.9 94.3



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

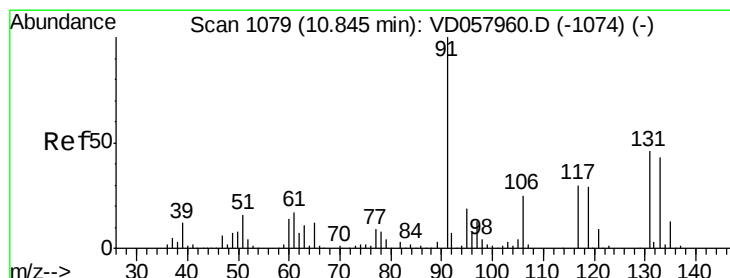
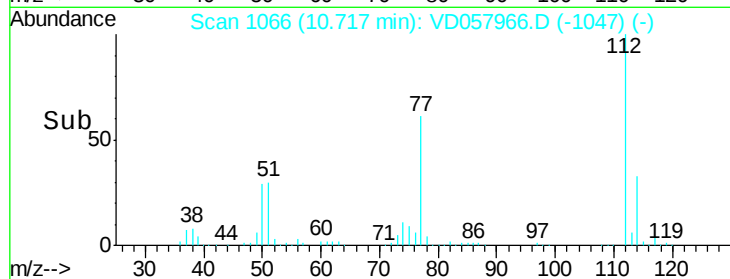
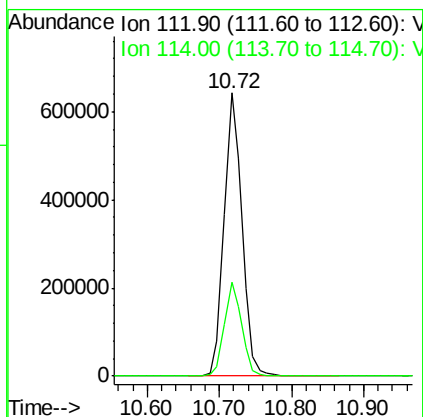
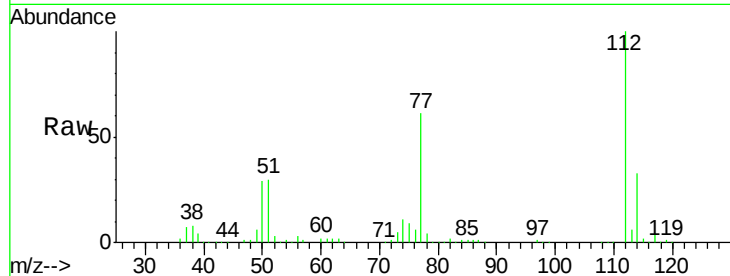




#65
Chlorobenzene
Concen: 48.593 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

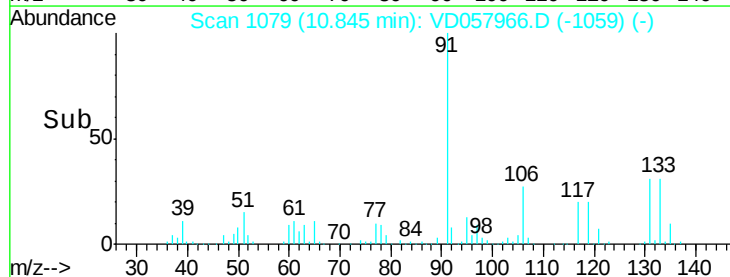
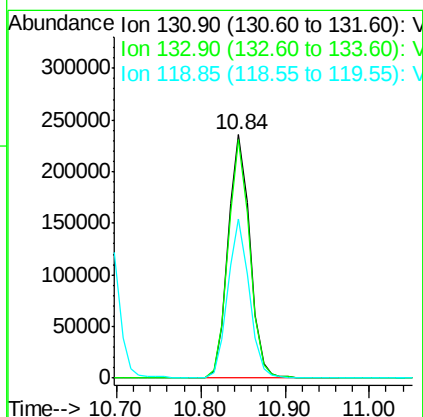
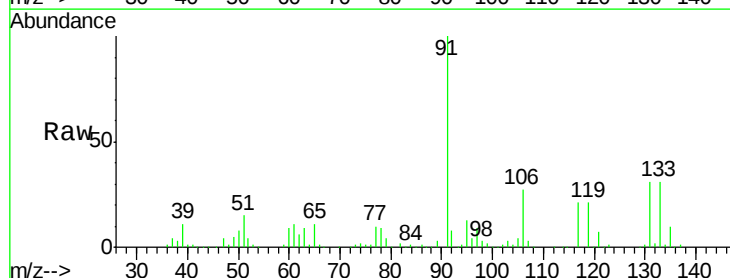
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

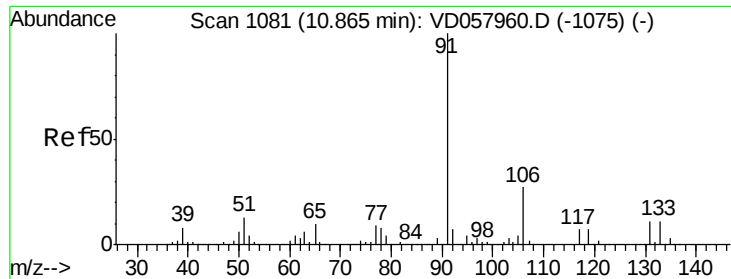
Tgt Ion:112 Resp: 1106030
Ion Ratio Lower Upper
112 100
114 33.2 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 48.442 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion:131 Resp: 423620
Ion Ratio Lower Upper
131 100
133 98.0 46.9 140.6
119 65.6 31.8 95.3

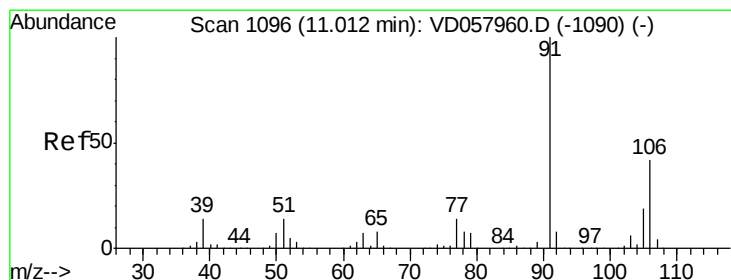
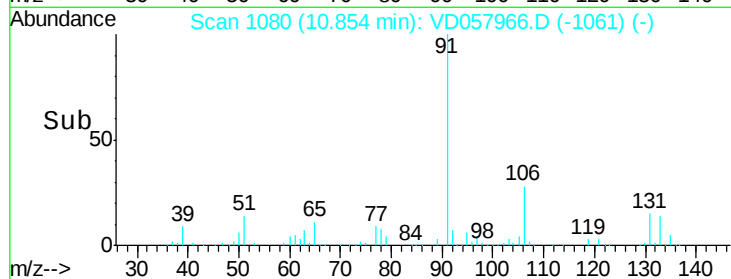
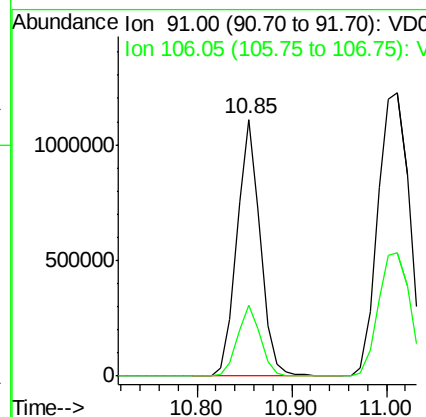
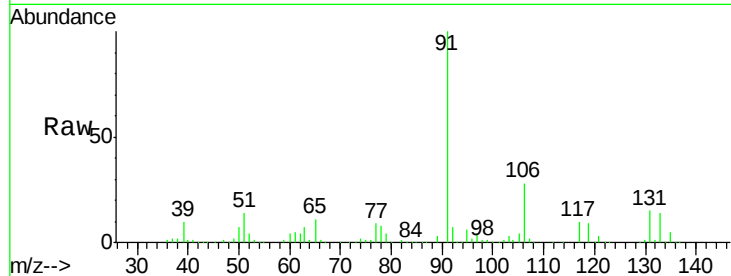




#67
Ethyl Benzene
Concen: 45.737 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

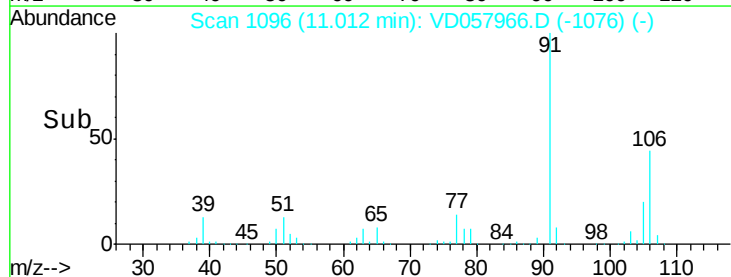
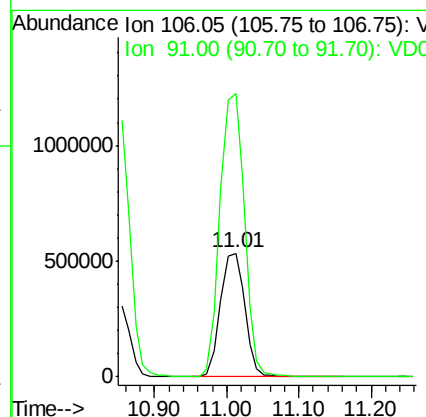
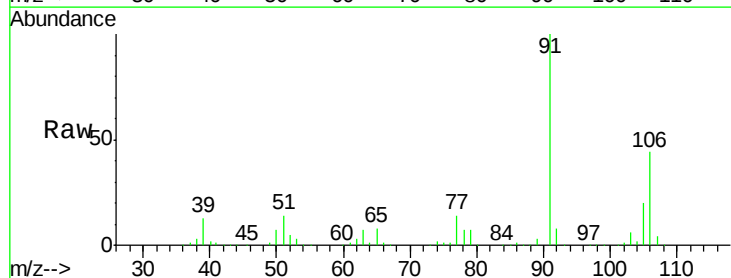
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

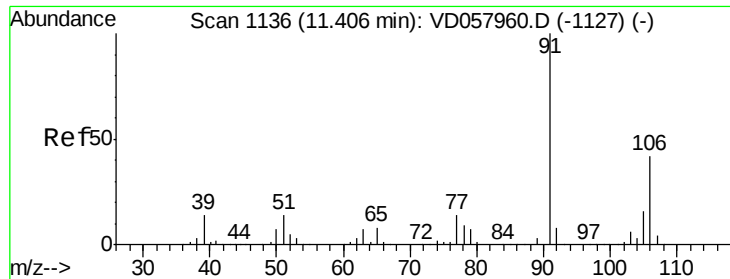
Tgt Ion: 91 Resp: 1880737
Ion Ratio Lower Upper
91 100
106 27.8 21.5 32.3



#68
m/p-Xylenes
Concen: 92.965 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion: 106 Resp: 1246218
Ion Ratio Lower Upper
106 100
91 228.2 190.4 285.6

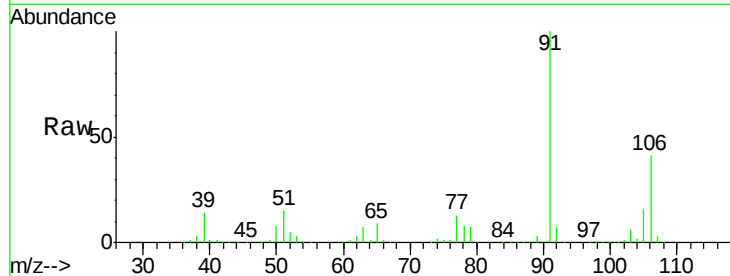




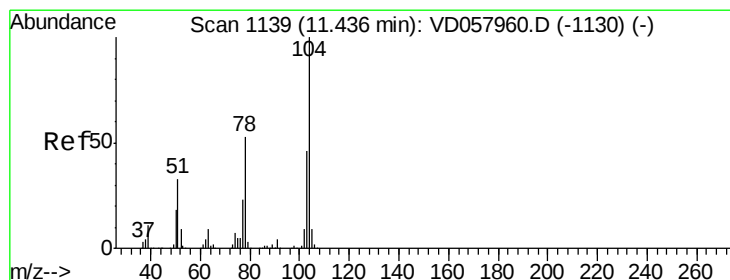
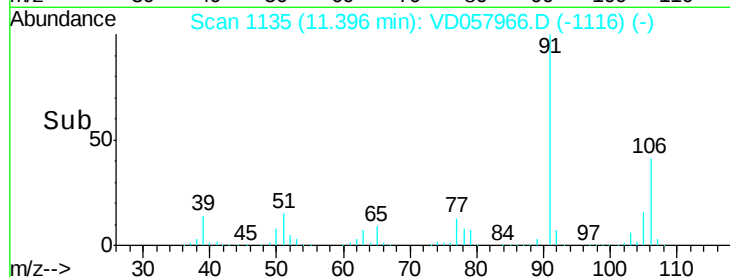
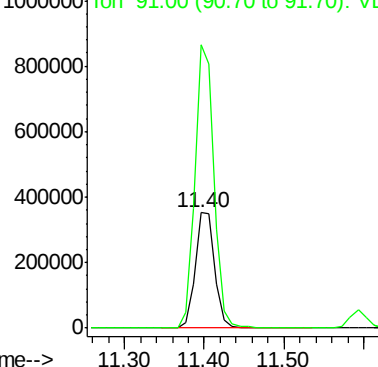
#69
o-Xylene
Concen: 45.583 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 606531
Ion Ratio Lower Upper
106 100
91 245.9 120.6 361.7

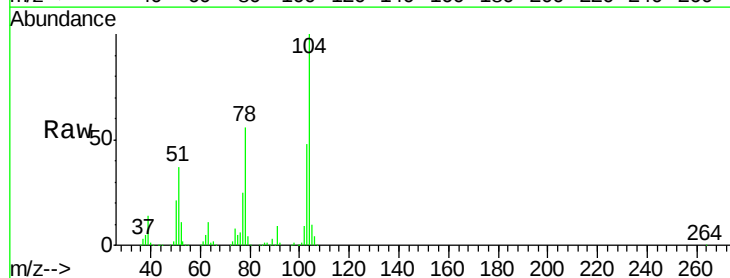


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

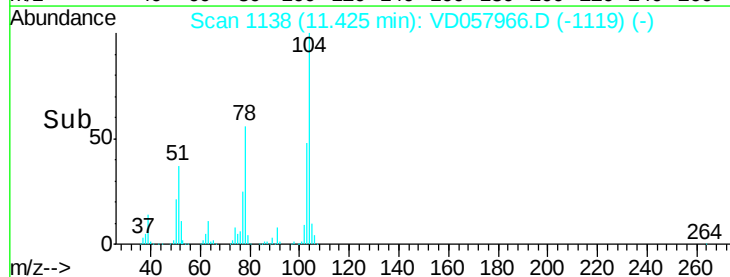
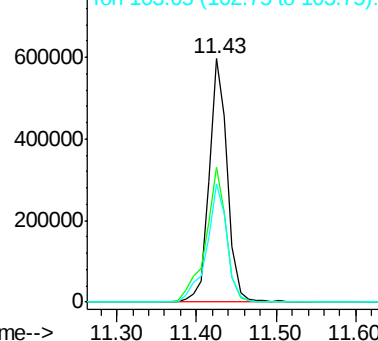


#70
Styrene
Concen: 43.222 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion:104 Resp: 952083
Ion Ratio Lower Upper
104 100
78 55.5 42.1 63.1
103 48.4 37.0 55.6



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





#71

Bromoform

Concen: 51.641 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

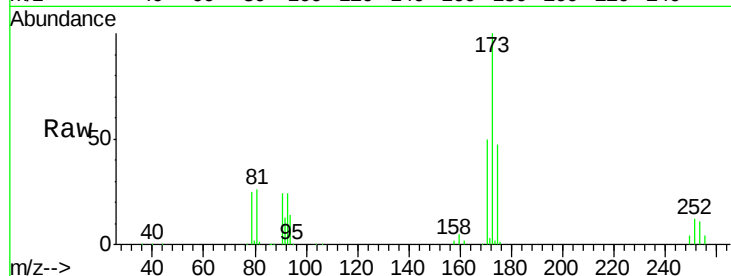
Tgt Ion:173 Resp: 339718

Ion Ratio Lower Upper

173 100

175 46.8 25.1 75.2

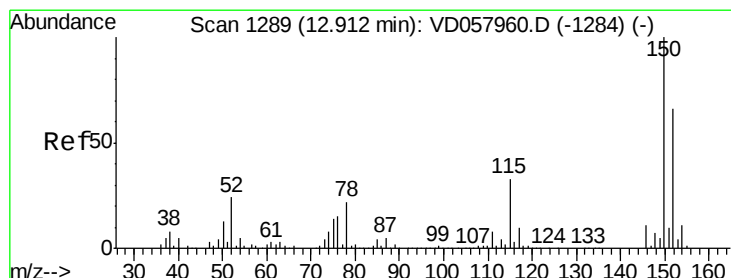
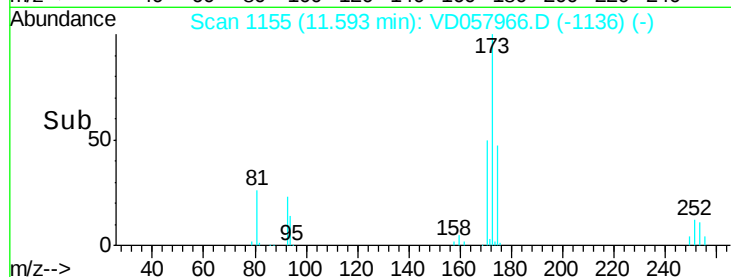
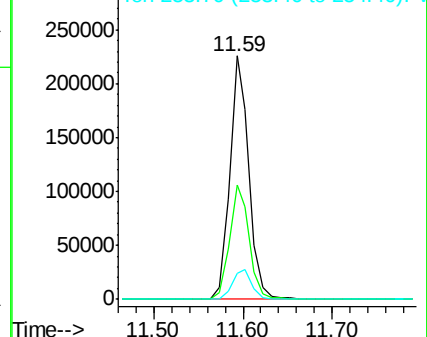
254 10.7 10.7 16.1#



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: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

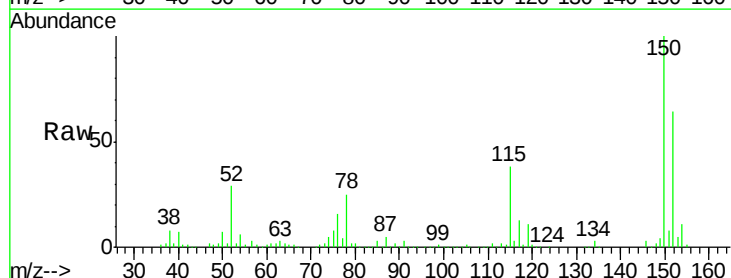
Tgt Ion:152 Resp: 545815

Ion Ratio Lower Upper

152 100

115 59.7 25.6 76.6

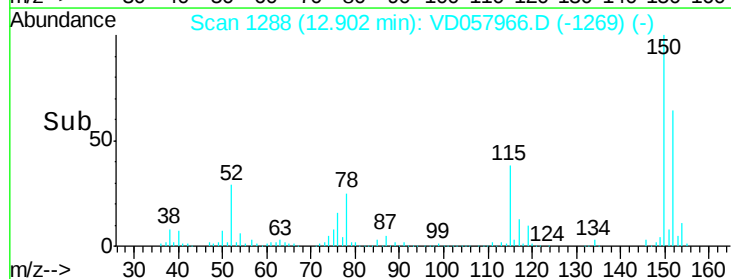
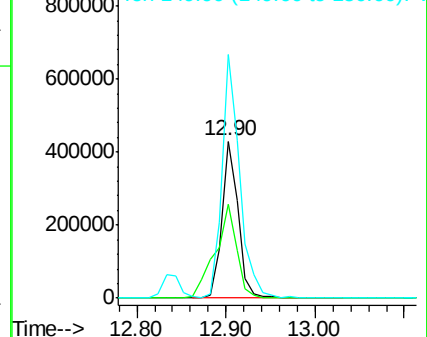
150 155.4 0.0 306.8

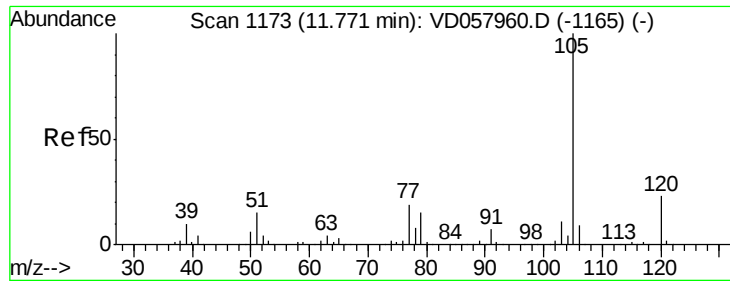


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.575 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

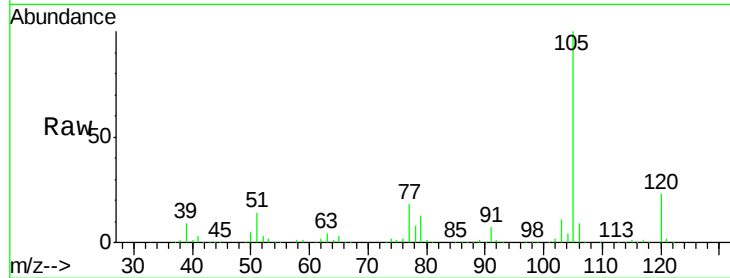
VSTDCCC050

Tgt Ion:105 Resp: 1792235

Ion Ratio Lower Upper

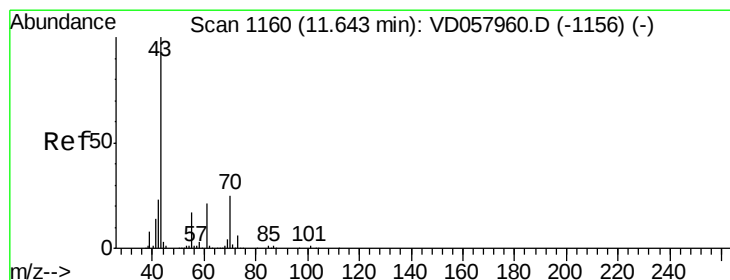
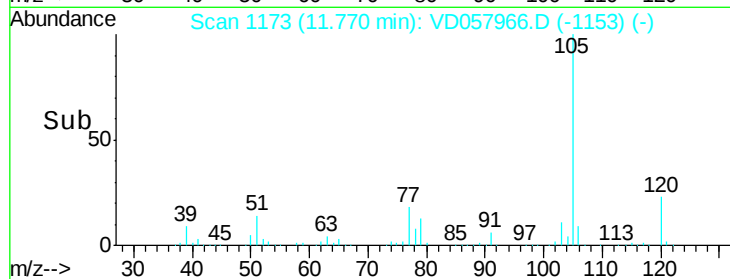
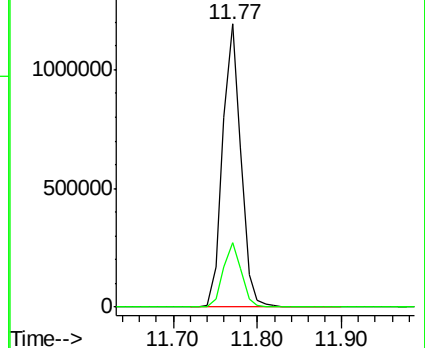
105 100

120 22.8 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.166 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Tgt Ion: 43 Resp: 685871

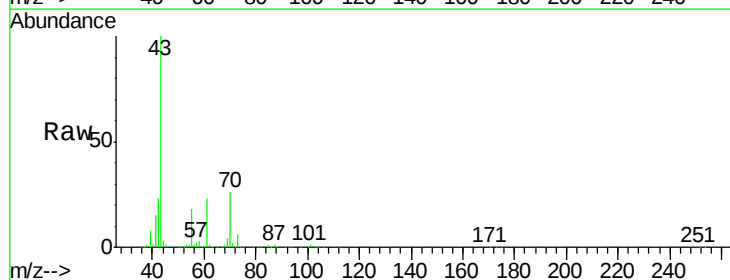
Ion Ratio Lower Upper

43 100

70 26.2 20.3 30.5

55 18.0 13.9 20.9

61 22.6 16.6 24.8

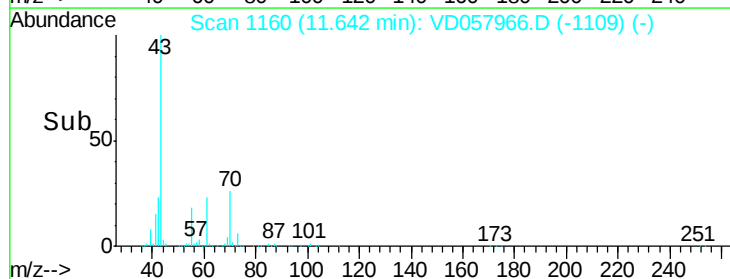
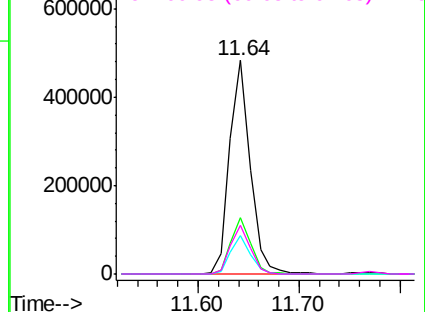


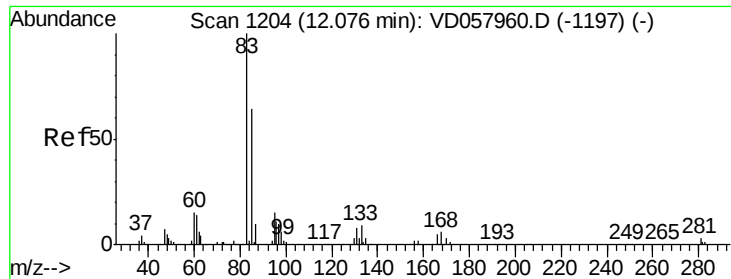
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.696 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

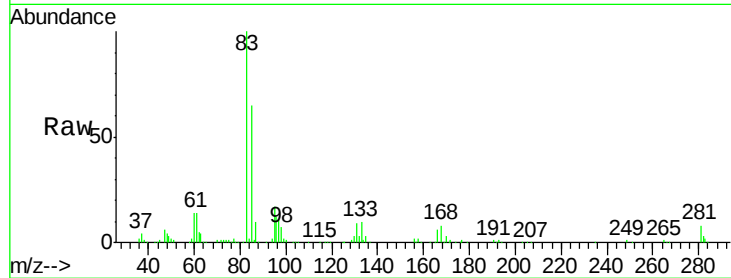
Tgt Ion: 83 Resp: 375948

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.2	12.6
85	64.7	31.9	95.5

83 100

131 9.2 4.2 12.6

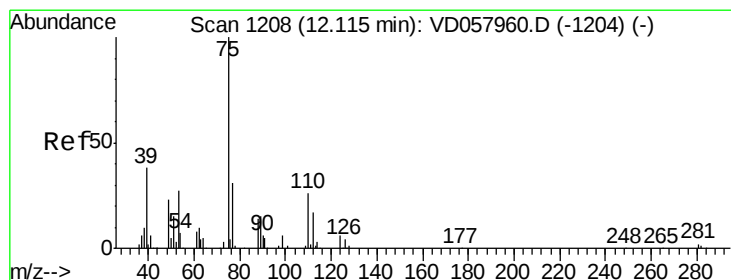
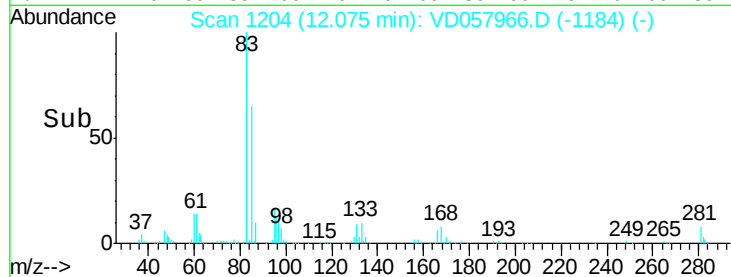
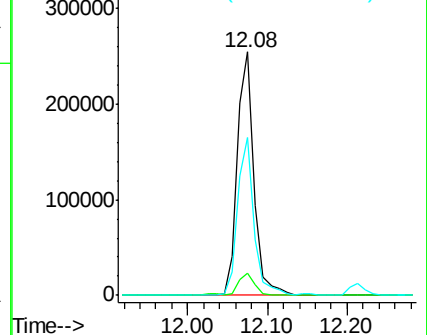
85 64.7 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.309 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD057966.D

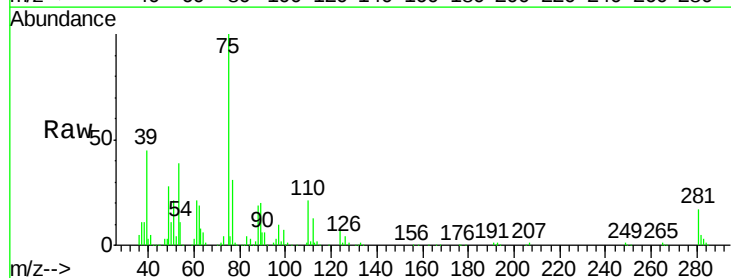
Acq: 7 Jun 2018 12:19

Tgt Ion: 75 Resp: 404281

Ion	Ratio	Lower	Upper
75	100		
77	31.3	16.7	50.1

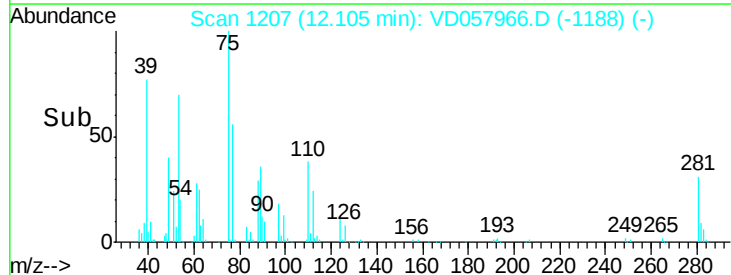
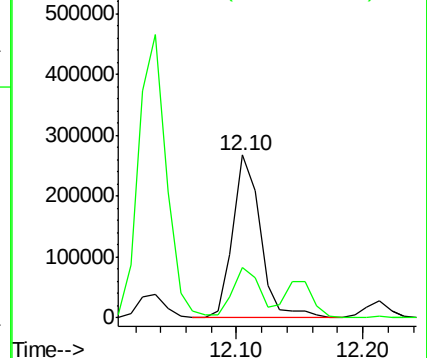
75 100

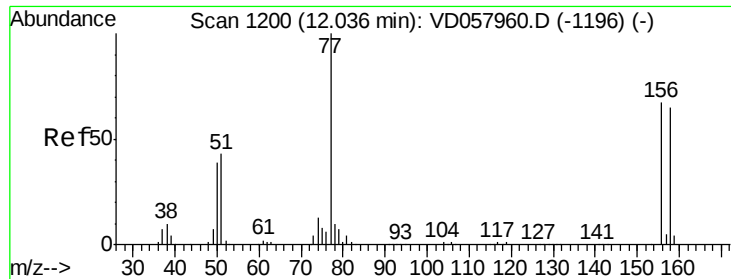
77 31.3 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.930 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

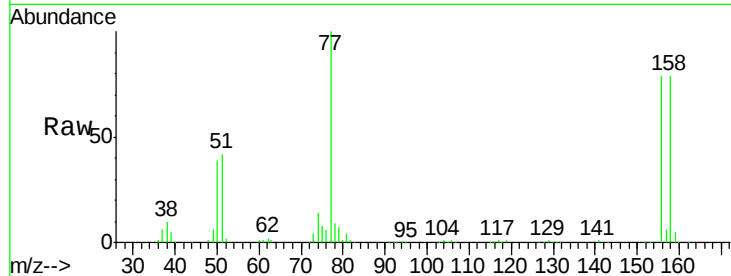
Tgt Ion:156 Resp: 523609

Ion Ratio Lower Upper

156 100

77 127.0 75.0 224.8

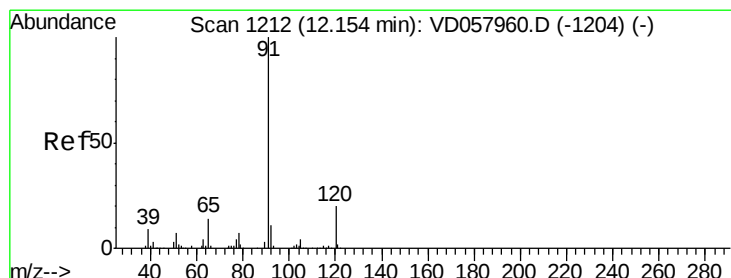
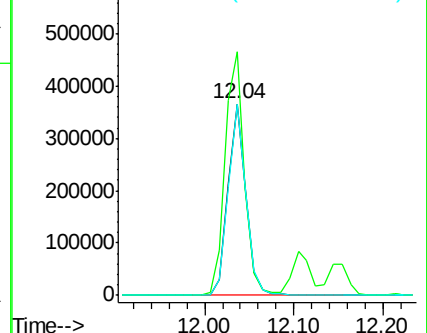
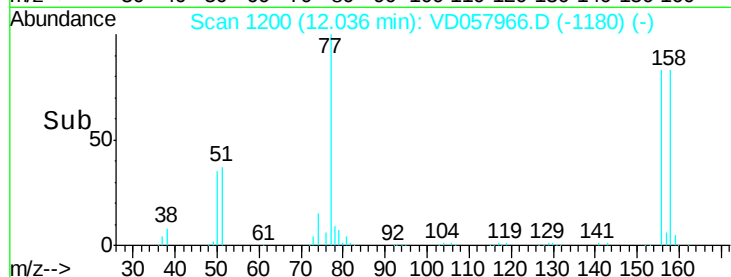
158 99.9 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.695 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD057966.D

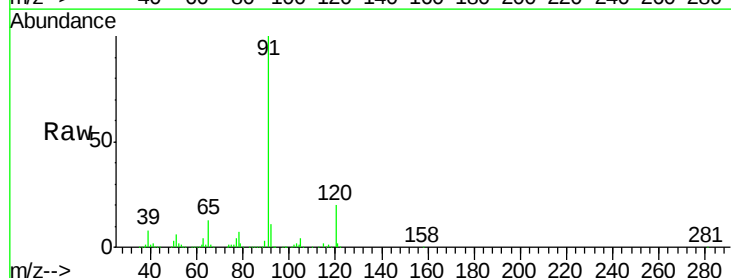
Acq: 7 Jun 2018 12:19

Tgt Ion: 91 Resp: 2243734

Ion Ratio Lower Upper

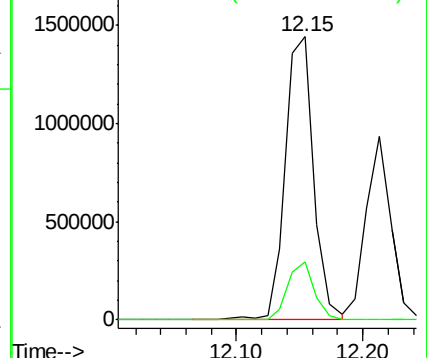
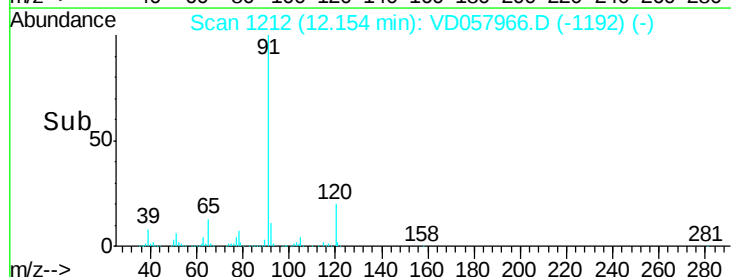
91 100

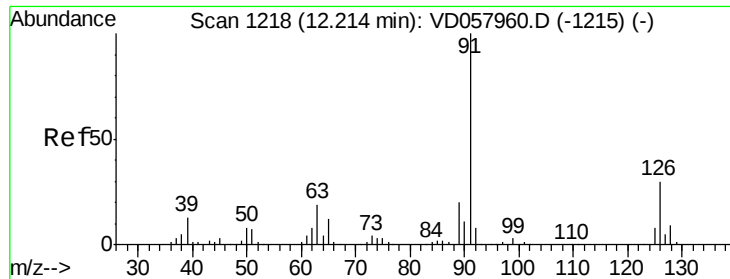
120 20.4 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

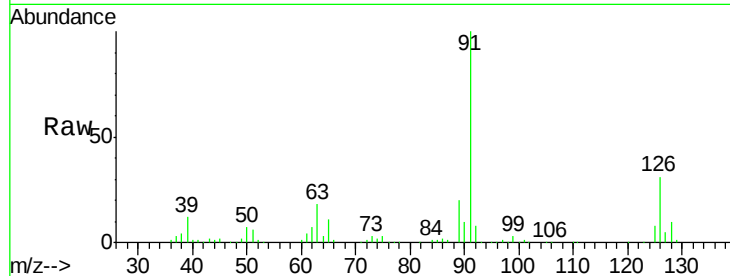




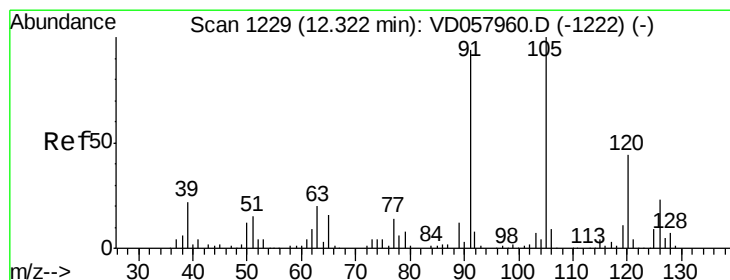
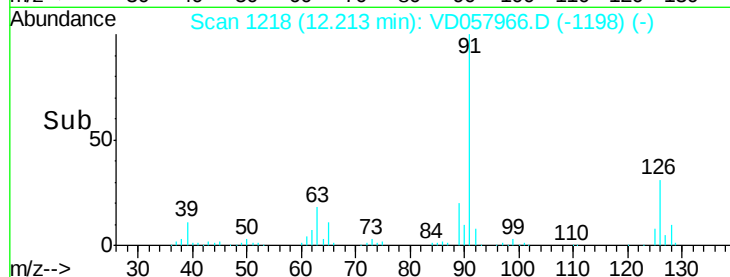
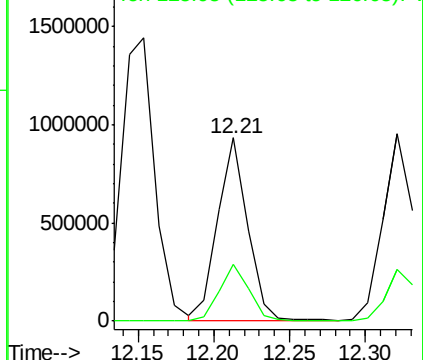
#79
 2-Chlorotoluene
 Concen: 47.795 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 1282689
 Ion Ratio Lower Upper
 91 100
 126 31.1 14.6 44.0

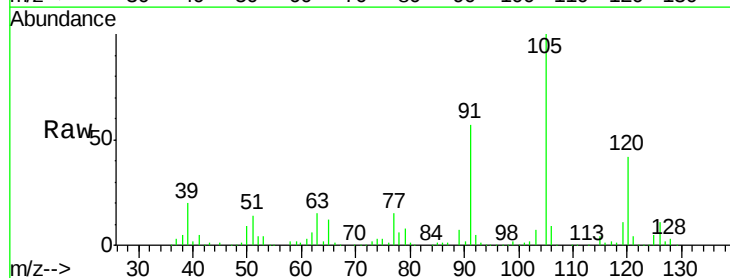


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

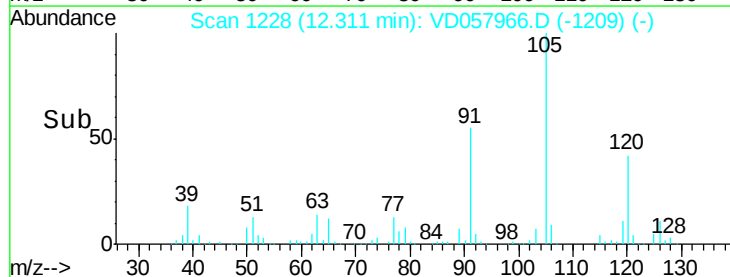
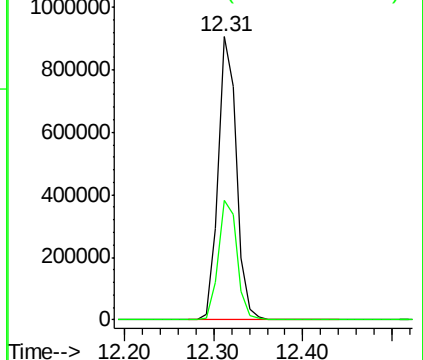


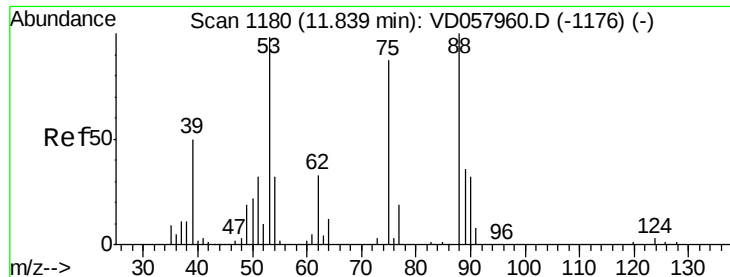
#80
 1,3,5-Trimethylbenzene
 Concen: 46.573 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Tgt Ion: 105 Resp: 1313065
 Ion Ratio Lower Upper
 105 100
 120 42.0 22.0 66.0



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: 52.332 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD057966.D

Acq: 7 Jun 2018 12:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

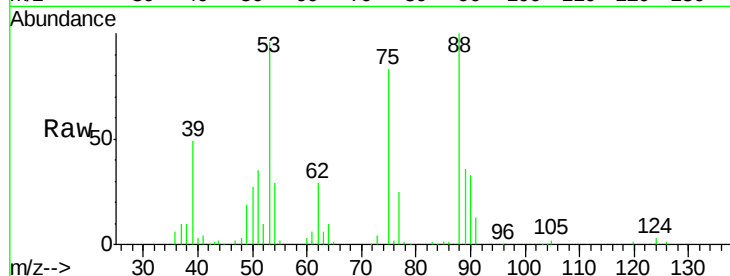
Tgt Ion: 75 Resp: 106273

Ion Ratio Lower Upper

75 100

53 115.6 89.3 133.9

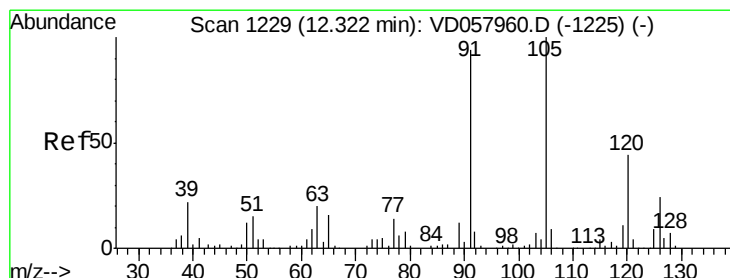
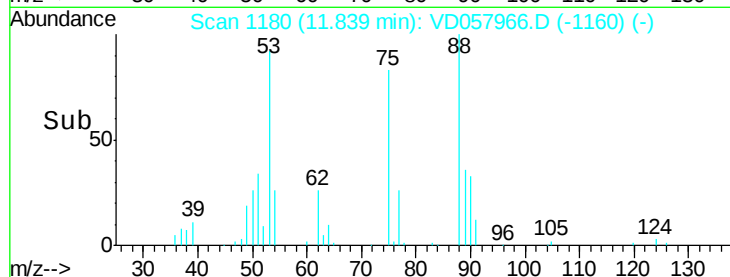
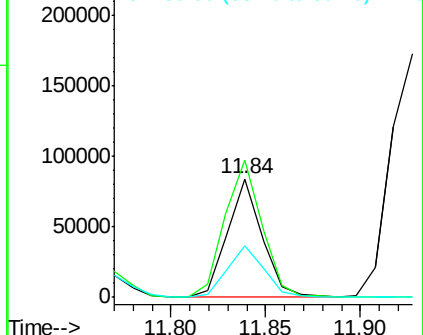
89 43.3 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.154 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD057966.D

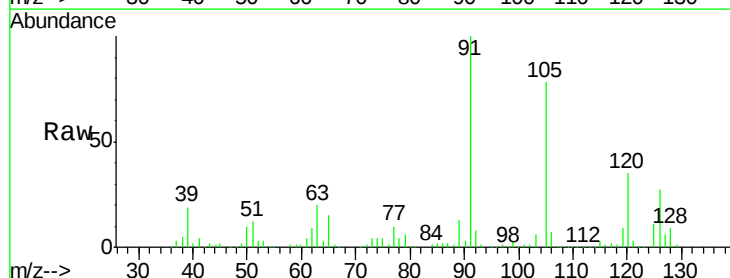
Acq: 7 Jun 2018 12:19

Tgt Ion: 91 Resp: 1333219

Ion Ratio Lower Upper

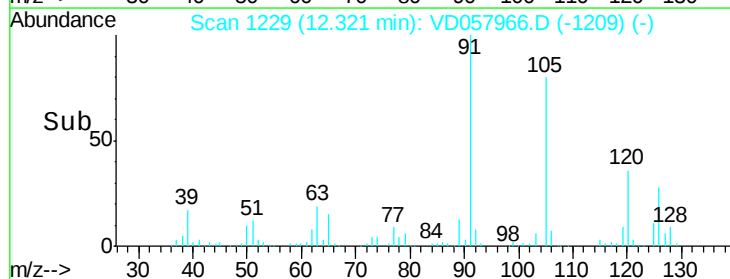
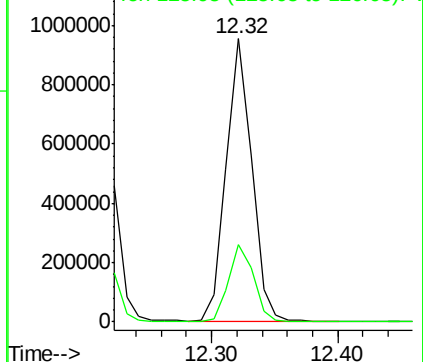
91 100

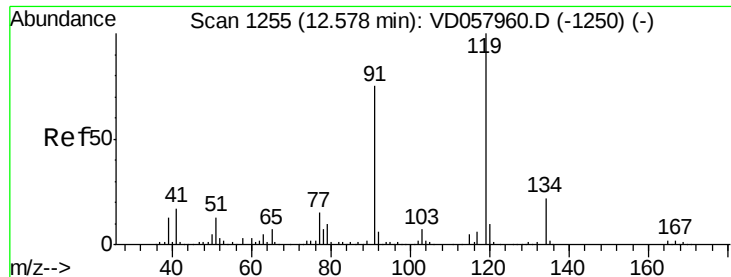
126 27.4 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

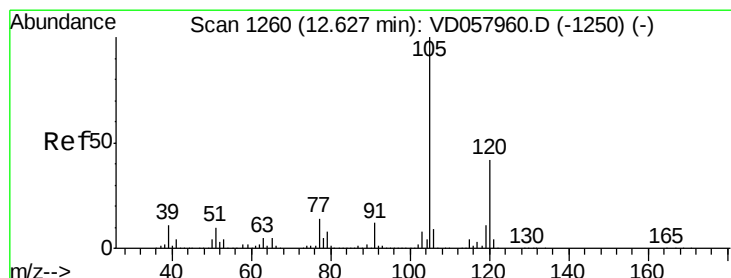
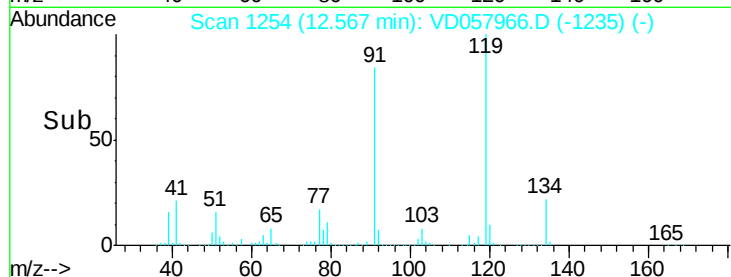
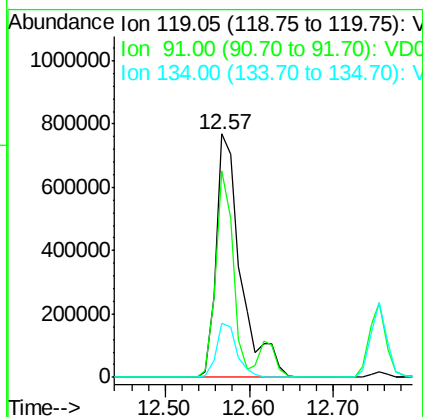
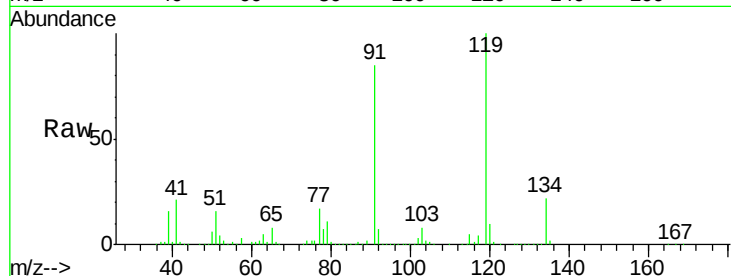




#83
 tert-Butylbenzene
 Concen: 49.057 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

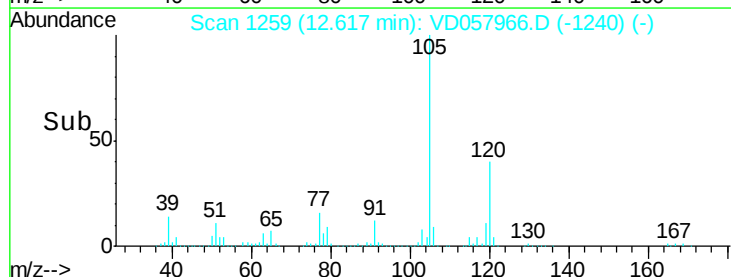
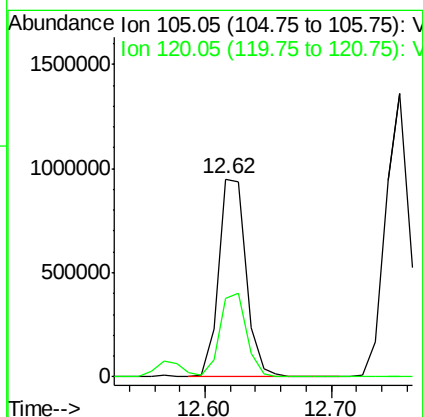
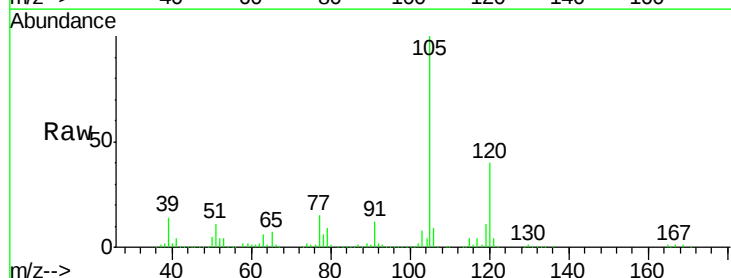
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

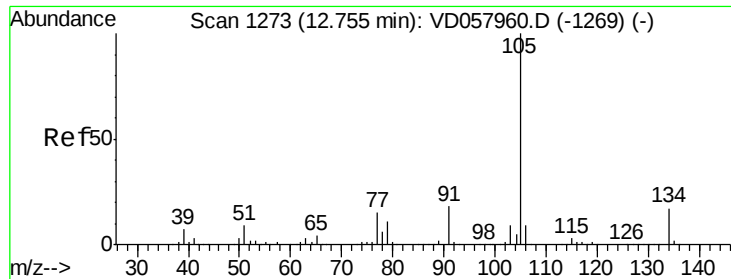
Tgt Ion:119 Resp: 1561734
 Ion Ratio Lower Upper
 119 100
 91 84.7 37.6 112.9
 134 22.4 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 47.022 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Tgt Ion:105 Resp: 1425425
 Ion Ratio Lower Upper
 105 100
 120 39.8 21.2 63.6

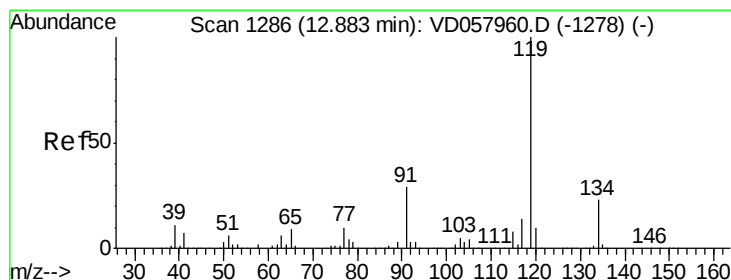
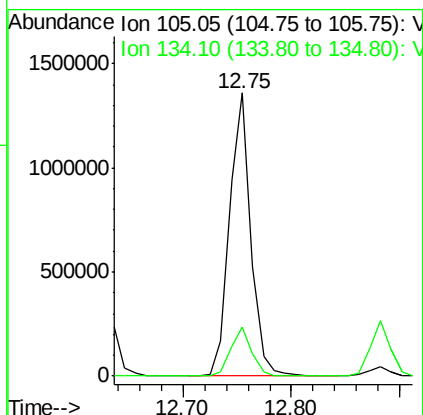
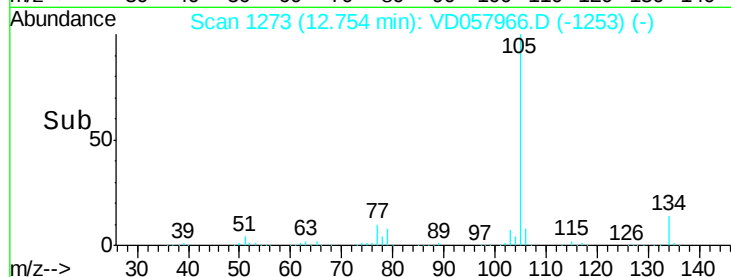
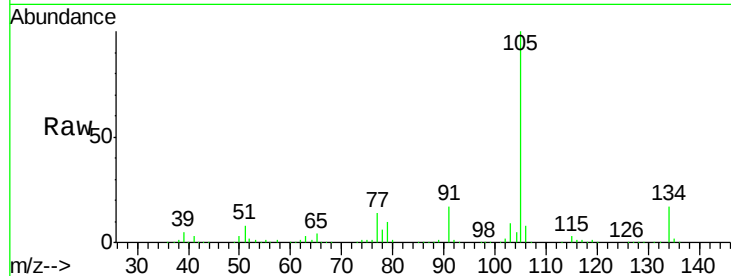




#85
 sec-Butylbenzene
 Concen: 48.341 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

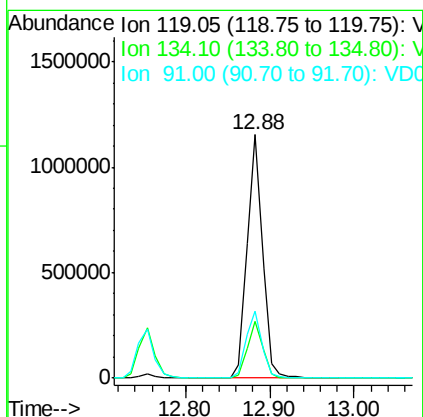
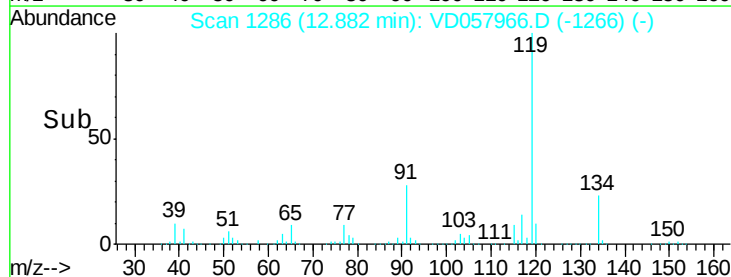
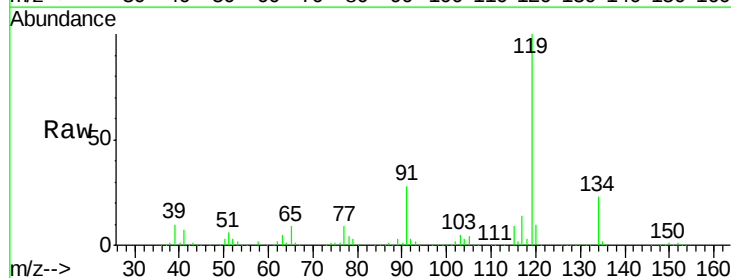
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1857259
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 47.514 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Tgt Ion:119 Resp: 1471323
 Ion Ratio Lower Upper
 119 100
 134 23.2 11.5 34.4
 91 27.8 14.5 43.6

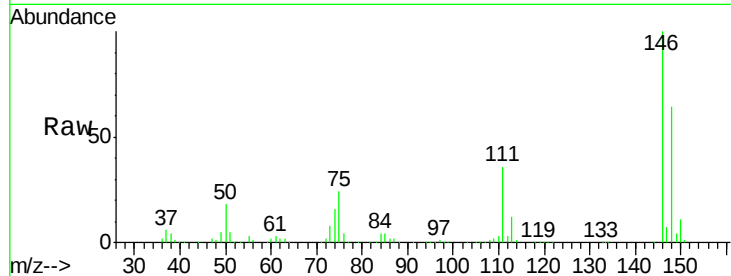




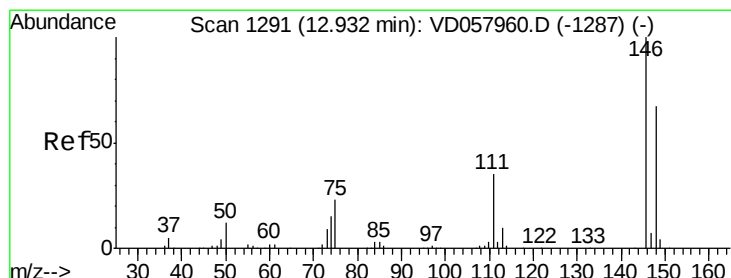
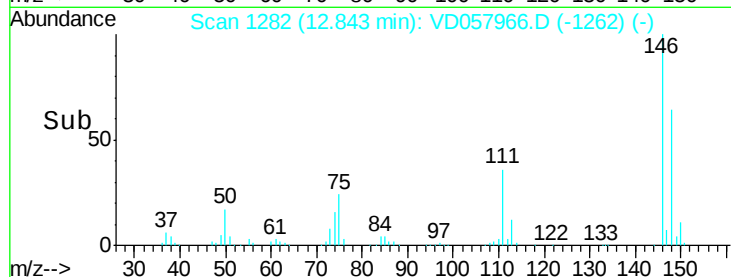
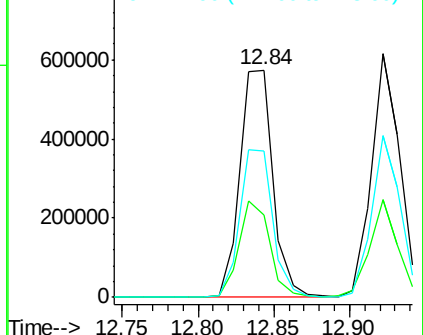
#87
 1,3-Dichlorobenzene
 Concen: 48.082 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 870381
 Ion Ratio Lower Upper
 146 100
 111 36.1 19.1 57.3
 148 64.2 32.0 96.2

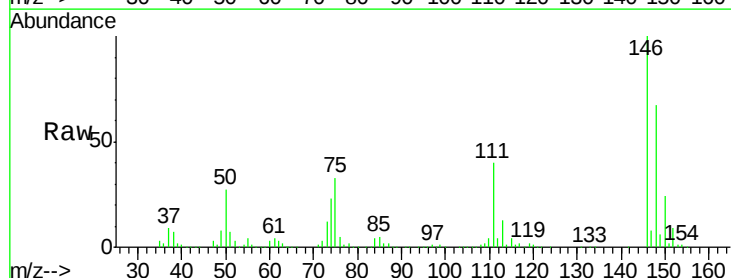


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

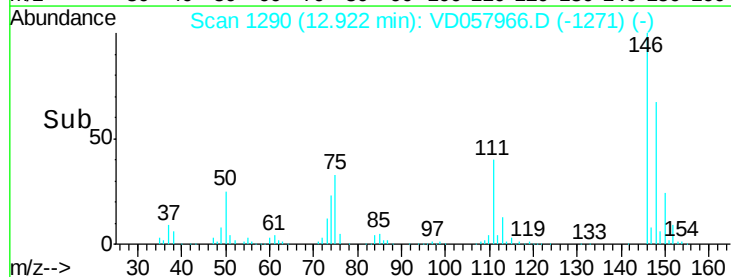
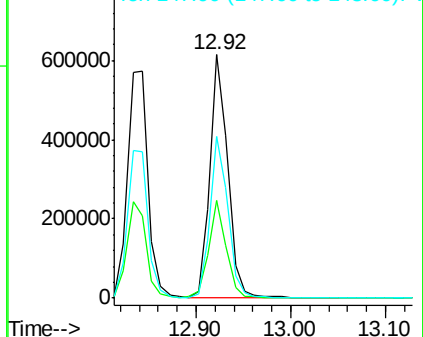


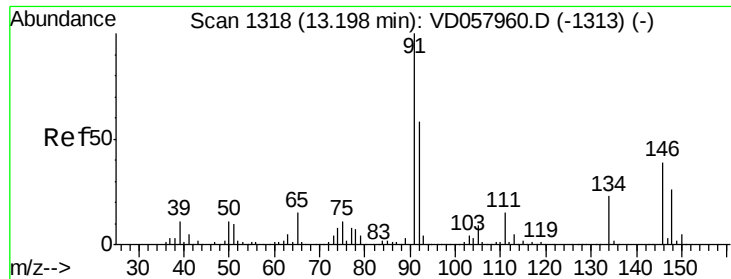
#88
 1,4-Dichlorobenzene
 Concen: 46.296 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Tgt Ion:146 Resp: 816529
 Ion Ratio Lower Upper
 146 100
 111 40.0 17.3 52.0
 148 66.6 33.4 100.2



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

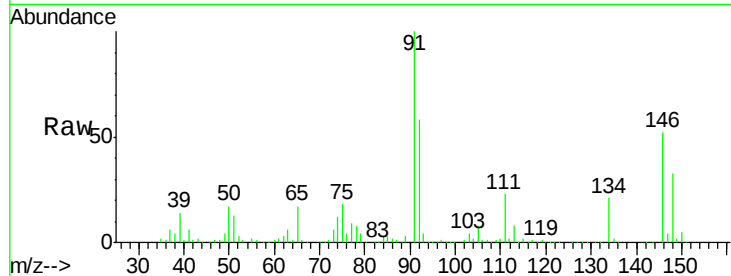




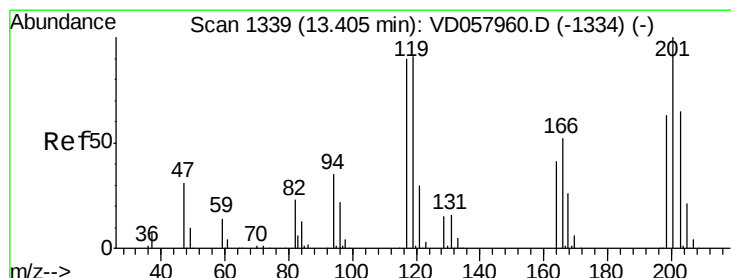
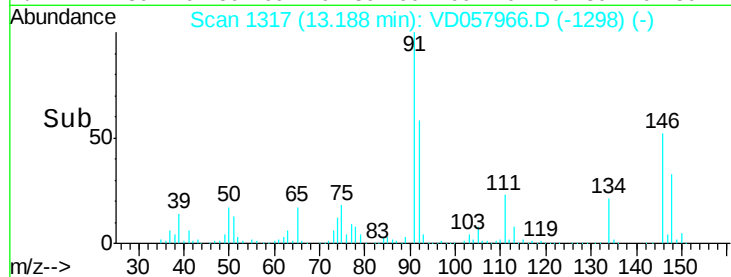
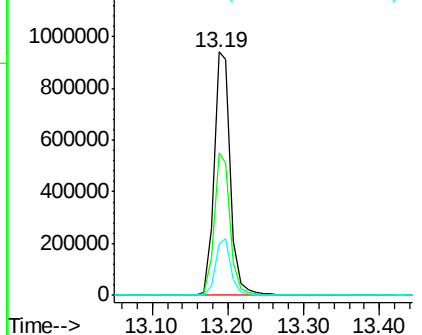
#89
n-Butylbenzene
Concen: 51.510 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1433157
Ion Ratio Lower Upper
91 100
92 58.4 29.2 87.6
134 21.0 11.3 33.9

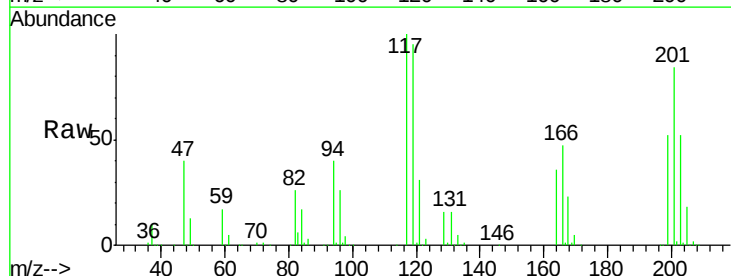


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

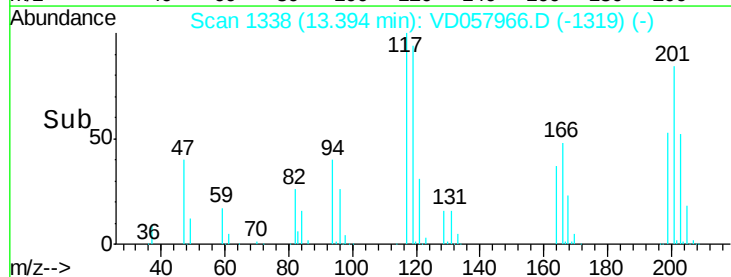
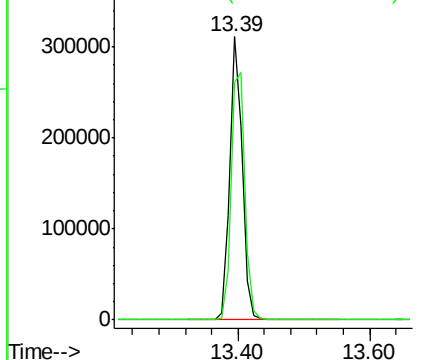


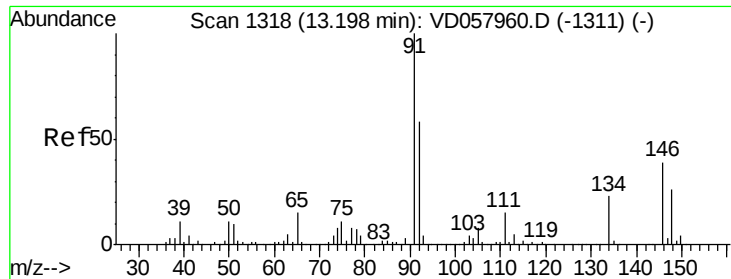
#90
Hexachloroethane
Concen: 52.395 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion: 117 Resp: 414105
Ion Ratio Lower Upper
117 100
201 83.9 55.4 166.0



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

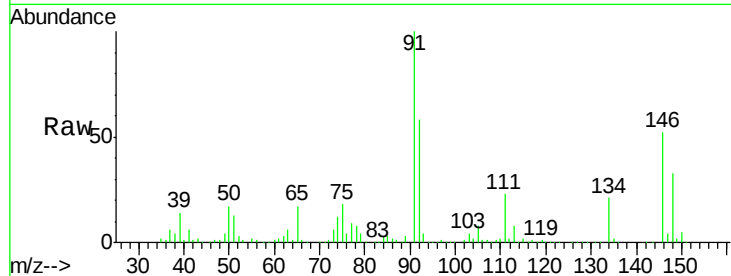




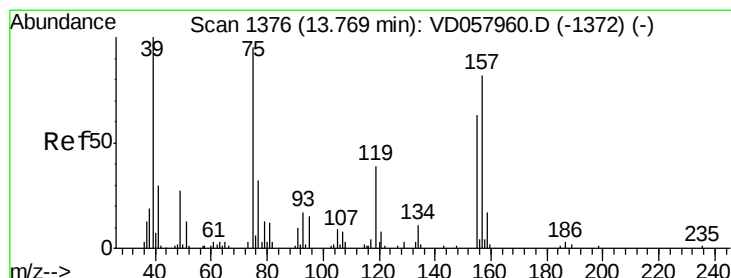
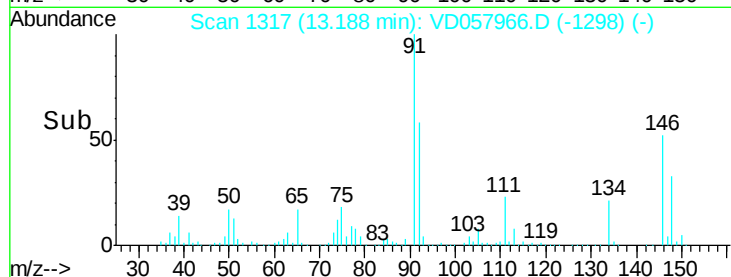
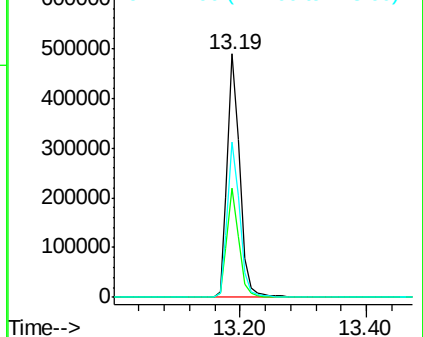
#91
 1,2-Dichlorobenzene
 Concen: 46.111 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 674547
 Ion Ratio Lower Upper
 146 100
 111 44.6 19.4 58.2
 148 63.7 32.6 98.0

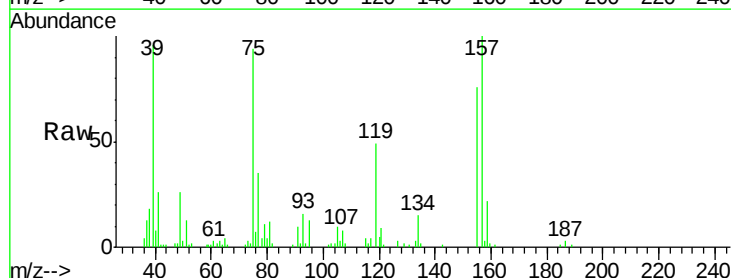


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

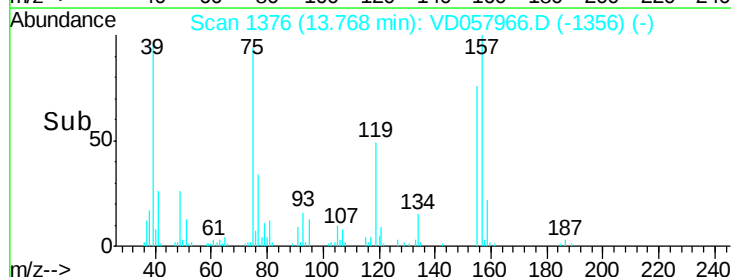
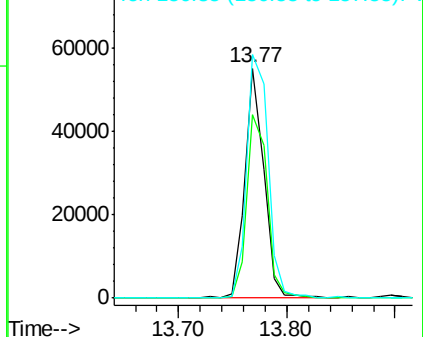


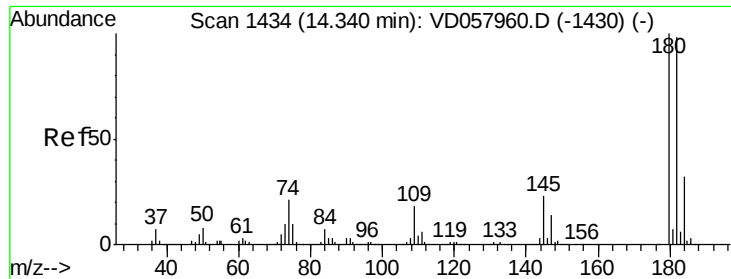
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.238 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Tgt Ion: 75 Resp: 67196
 Ion Ratio Lower Upper
 75 100
 155 80.1 33.4 100.1
 157 106.0 42.9 128.5



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

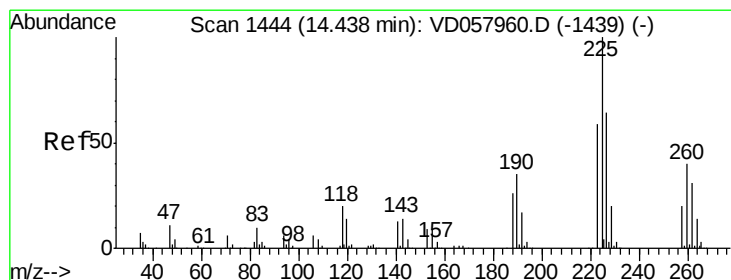
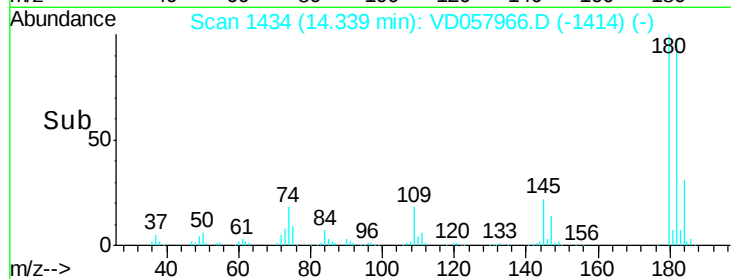
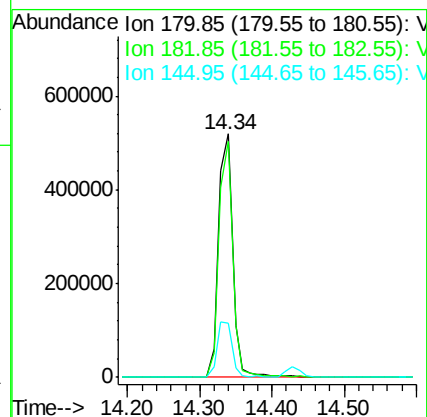
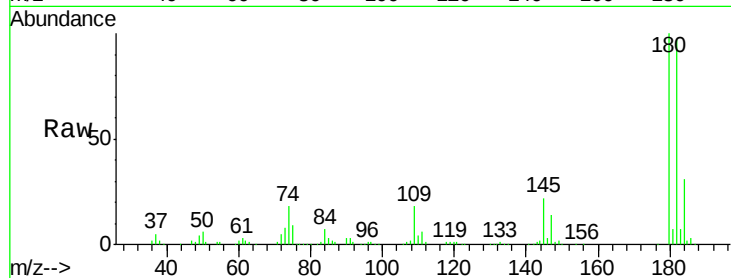




#93
 1,2,4-Trichlorobenzene
 Concen: 51.689 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

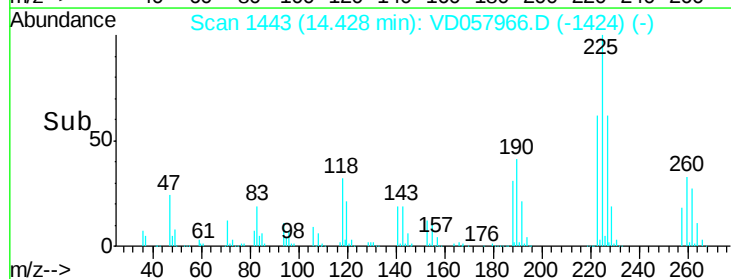
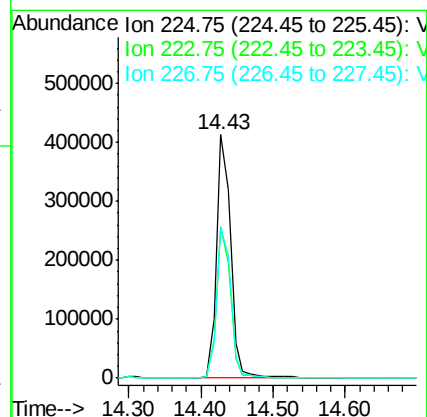
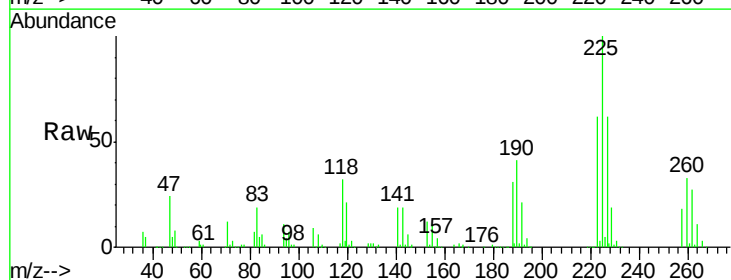
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

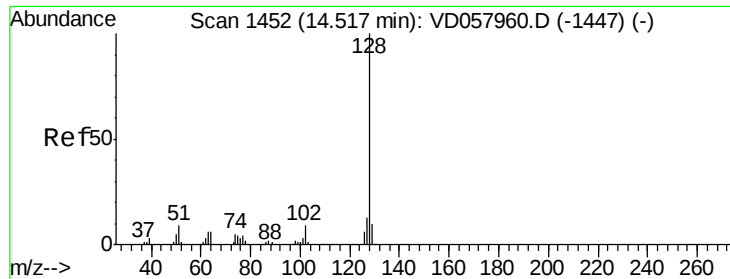
Tgt Ion:180 Resp: 706434
 Ion Ratio Lower Upper
 180 100
 182 97.1 49.0 147.2
 145 22.4 11.8 35.3



#94
 Hexachlorobutadiene
 Concen: 51.665 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD057966.D
 Acq: 7 Jun 2018 12:19

Tgt Ion:225 Resp: 555403
 Ion Ratio Lower Upper
 225 100
 223 62.3 29.5 88.6
 227 61.7 32.0 96.0

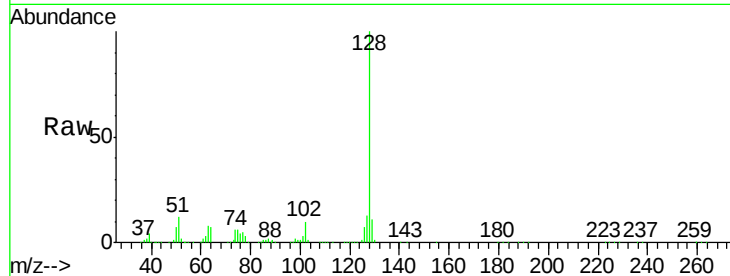




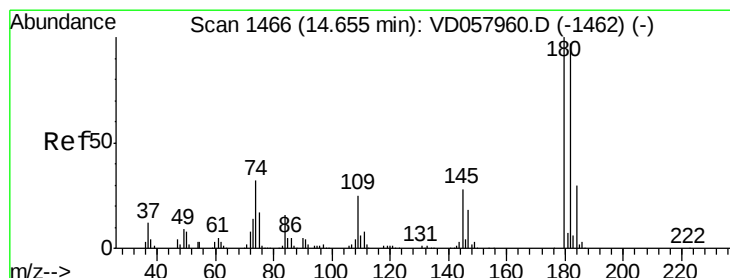
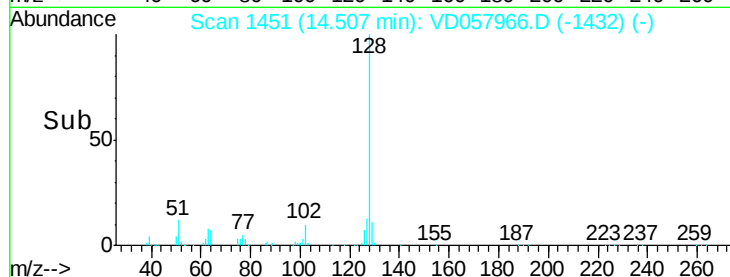
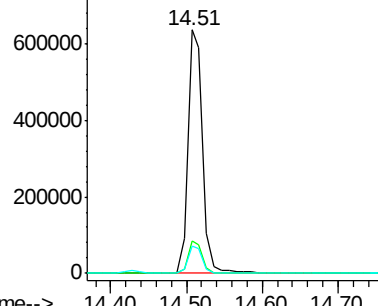
#95
Naphthalene
Concen: 49.888 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 879102
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.1 8.2 12.2

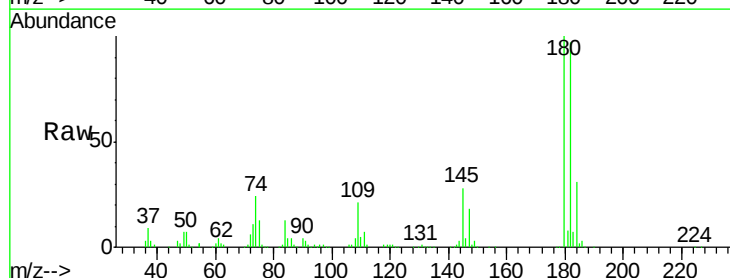


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.359 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD057966.D
Acq: 7 Jun 2018 12:19

Tgt Ion:180 Resp: 574901
Ion Ratio Lower Upper
180 100
182 97.4 48.5 145.5
145 27.7 14.2 42.8



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

