

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060618\
 Data File : VD057957.D
 Acq On : 6 Jun 2018 17:54
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 07 08:19:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:19:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	993117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1272944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1044656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	509862	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	49514	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
35) Dibromofluoromethane	5.56	113	50134	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
50) Toluene-d8	8.72	98	120793	5.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.32%	
62) 4-Bromofluorobenzene	11.93	95	54463	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	64517	4.84	ug/l	97
3) Chloromethane	1.49	50	34535	5.26	ug/l	91
4) Vinyl Chloride	1.57	62	29655	4.67	ug/l	95
5) Bromomethane	1.80	94	12867	5.17	ug/l	96
6) Chloroethane	1.89	64	13675	5.45	ug/l	99
7) Trichlorofluoromethane	2.10	101	43601	5.02	ug/l	97
8) Diethyl Ether	2.35	74	6892	4.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.56	101	23148	4.47	ug/l #	87
10) Methyl Iodide	2.71	142	26133	3.91	ug/l	89
11) Tert butyl alcohol	3.28	59	6127	23.04	ug/l #	74
12) 1,1-Dichloroethene	2.56	96	19562	4.91	ug/l	95
13) Acrolein	2.47	56	8621	22.63	ug/l	99
14) Allyl chloride	2.94	41	45003	4.90	ug/l	98
15) Acrylonitrile	3.37	53	39257	25.23	ug/l	88
16) Acetone	2.62	43	38212	26.71	ug/l	96
17) Carbon Disulfide	2.77	76	64103	4.44	ug/l #	90
18) Methyl Acetate	2.95	43	16584	5.99	ug/l	99
19) Methyl tert-butyl Ether	3.42	73	81254	4.64	ug/l	93
20) Methylene Chloride	3.08	84	35826	7.33	ug/l #	93
21) trans-1,2-Dichloroethene	3.40	96	41763	4.71	ug/l	91
22) Diisopropyl ether	4.08	45	176058	4.84	ug/l #	96
23) Vinyl Acetate	4.03	43	426060	22.65	ug/l	100
24) 1,1-Dichloroethane	3.99	63	99702	4.98	ug/l	99
25) 2-Butanone	4.85	43	83038	25.54	ug/l	95
26) 2,2-Dichloropropane	4.81	77	82772	5.02	ug/l	98
27) cis-1,2-Dichloroethene	4.81	96	53230	5.06	ug/l	95
28) Bromochloromethane	5.15	49	34791	4.02	ug/l	86
29) Tetrahydrofuran	5.19	42	42054	24.68	ug/l	97
30) Chloroform	5.33	83	93008	4.62	ug/l	99
31) Cyclohexane	5.60	56	104355	6.04	ug/l	96
32) 1,1,1-Trichloroethane	5.52	97	79793	4.73	ug/l	92
36) 1,1-Dichloropropene	5.75	75	76490	5.45	ug/l	95
37) Ethyl Acetate	4.94	43	39926	5.22	ug/l	99
38) Carbon Tetrachloride	5.73	117	68119	4.93	ug/l	98

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 Data File : VD057957.D
 Acq On : 6 Jun 2018 17:54
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 07 08:19:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:19:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	71029	5.11	ug/l	96
40) Benzene	6.02	78	176648	5.39	ug/l	100
41) Methacrylonitrile	5.13	41	18683	5.34	ug/l	95
42) 1,2-Dichloroethane	6.14	62	64917	4.90	ug/l	99
43) Isopropyl Acetate	7.62	43	48324	4.82	ug/l #	96
44) Trichloroethene	6.98	130	47643	4.98	ug/l	98
45) 1,2-Dichloropropane	7.35	63	44726	4.91	ug/l	97
46) Dibromomethane	7.47	93	29258	5.00	ug/l	91
47) Bromodichloromethane	7.74	83	63284	4.62	ug/l	100
48) Methyl methacrylate	7.51	41	29551	4.79	ug/l	97
49) 1,4-Dioxane	7.49	88	5233	102.39	ug/l #	66
51) 4-Methyl-2-Pentanone	8.60	43	171352	26.65	ug/l	97
52) Toluene	8.80	92	102616	5.46	ug/l	95
53) t-1,3-Dichloropropene	9.19	75	56098	4.75	ug/l	93
54) cis-1,3-Dichloropropene	8.36	75	65461	4.71	ug/l	93
55) 1,1,2-Trichloroethane	9.45	97	31331	5.15	ug/l	97
56) Ethyl methacrylate	9.32	69	36268	4.86	ug/l #	86
57) 1,3-Dichloropropane	9.67	76	53705	5.03	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	103927	27.56	ug/l	100
59) 2-Hexanone	9.79	43	117437	24.93	ug/l	94
60) Dibromochloromethane	9.96	129	38724	4.51	ug/l	99
61) 1,2-Dibromoethane	10.09	107	34953	4.99	ug/l	92
64) Tetrachloroethene	9.51	164	46594	4.99	ug/l	94
65) Chlorobenzene	10.72	112	110353	5.22	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	40711	5.01	ug/l	94
67) Ethyl Benzene	10.86	91	212544	5.56	ug/l	99
68) m/p-Xylenes	11.02	106	135405	10.87	ug/l	90
69) o-Xylene	11.40	106	62609	5.06	ug/l	88
70) Styrene	11.43	104	105165	5.14	ug/l	98
71) Bromoform	11.60	173	25189	4.12	ug/l	90
73) Isopropylbenzene	11.78	105	178865	5.30	ug/l	95
74) N-amyl acetate	11.65	43	65357	5.02	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	38399	5.22	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	38825	5.07	ug/l	98
77) Bromobenzene	12.04	156	52311	5.23	ug/l	88
78) n-propylbenzene	12.15	91	246070	5.60	ug/l	98
79) 2-Chlorotoluene	12.21	91	133330	5.32	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	146907	4.54	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	7897	4.16	ug/l #	93
82) 4-Chlorotoluene	12.33	91	166850	6.09	ug/l	94
83) tert-Butylbenzene	12.57	119	160192	5.39	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	143082	5.05	ug/l	91
85) sec-Butylbenzene	12.75	105	195533	5.45	ug/l	98
86) p-Isopropyltoluene	12.89	119	156954	5.43	ug/l	92
87) 1,3-Dichlorobenzene	12.84	146	92197	5.45	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	88517	5.37	ug/l	98
89) n-Butylbenzene	13.19	91	177717	5.97	ug/l	98
90) Hexachloroethane	13.40	117	33709	4.57	ug/l	73
91) 1,2-Dichlorobenzene	13.19	146	77826	5.70	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.78	75	5247	4.62	ug/l	83

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Acq On : 6 Jun 2018 17:54
Operator : JC/SY
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 08:19:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:19:01 2018
Response via : Initial Calibration

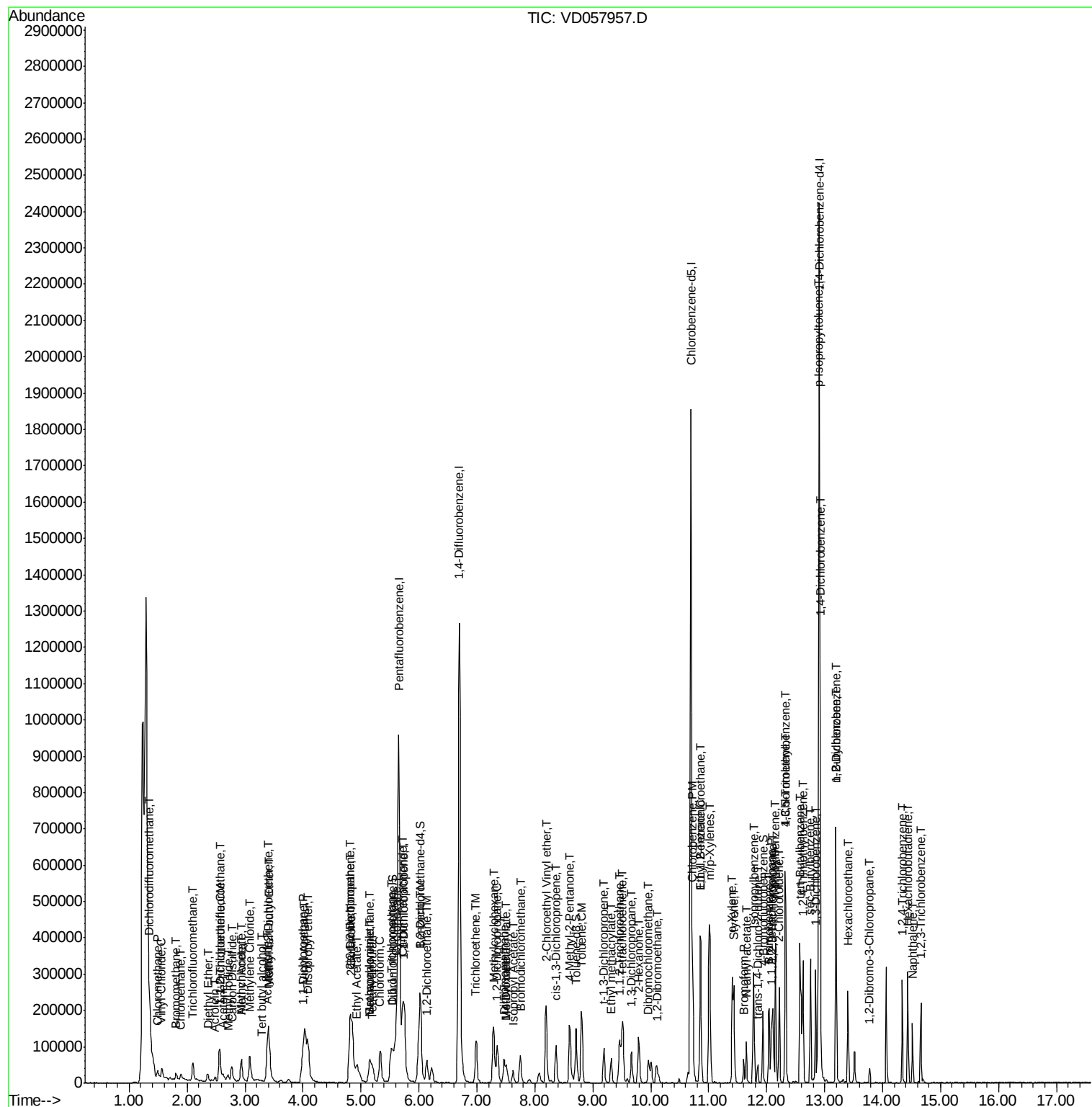
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	65829	5.16	ug/l	97
94) Hexachlorobutadiene	14.44	225	50349	5.01	ug/l	97
95) Naphthalene	14.51	128	81096	4.93	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	55657	5.12	ug/l	96

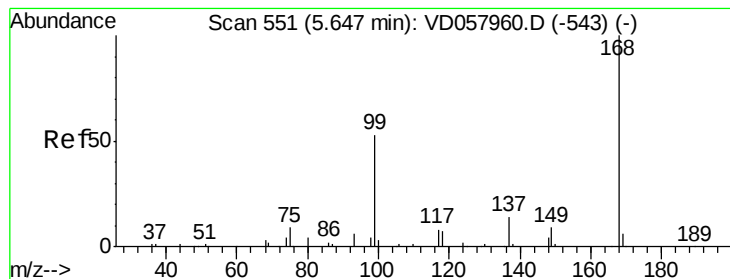
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060618\
Data File : VD057957.D
Acq On : 6 Jun 2018 17:54
Operator : JC/SY
Sample : VSTDIC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Quant Time: Jun 07 08:19:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:19:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

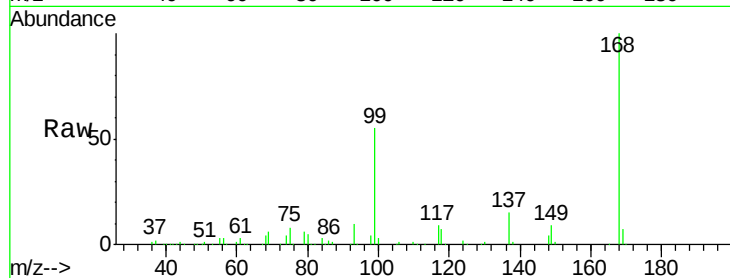
VSTDIC005

Tgt Ion:168 Resp: 993117

Ion Ratio Lower Upper

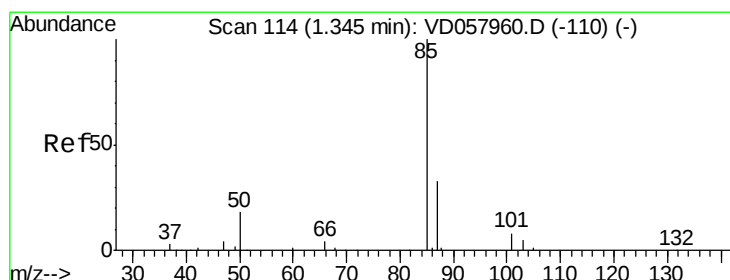
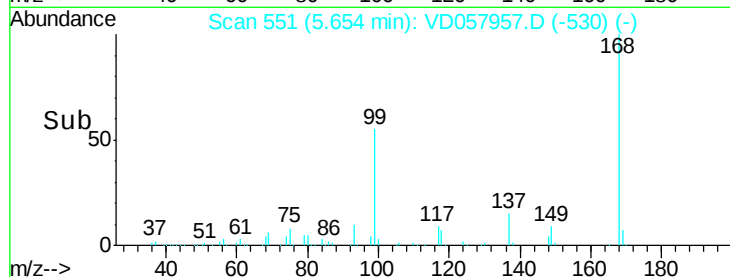
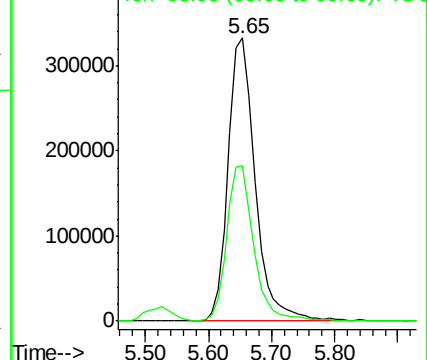
168 100

99 54.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 4.84 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD057957.D

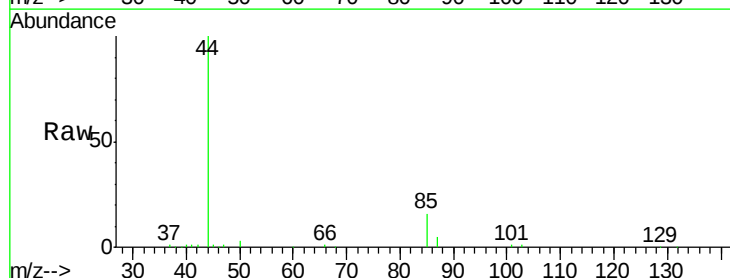
Acq: 6 Jun 2018 17:54

Tgt Ion: 85 Resp: 64517

Ion Ratio Lower Upper

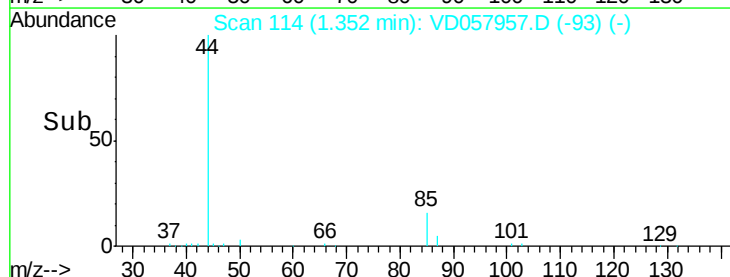
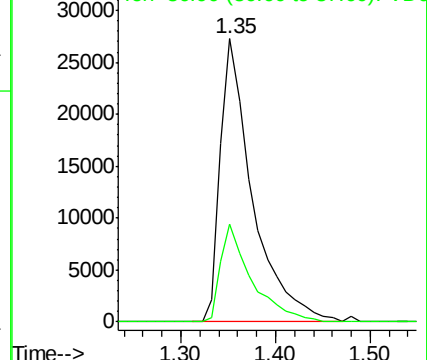
85 100

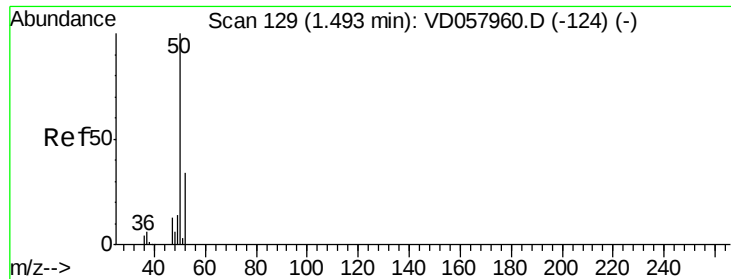
87 34.4 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.26 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

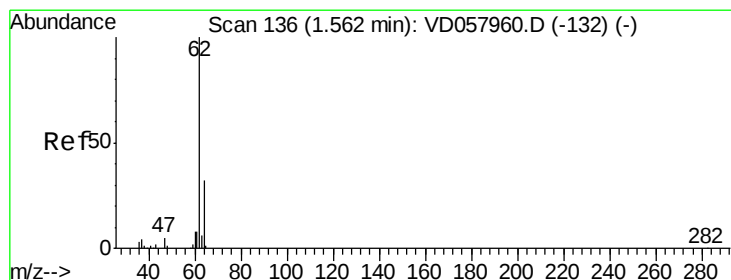
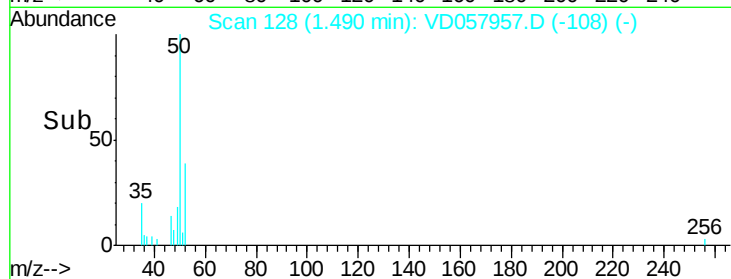
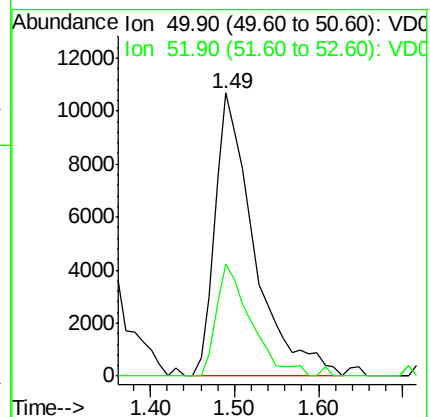
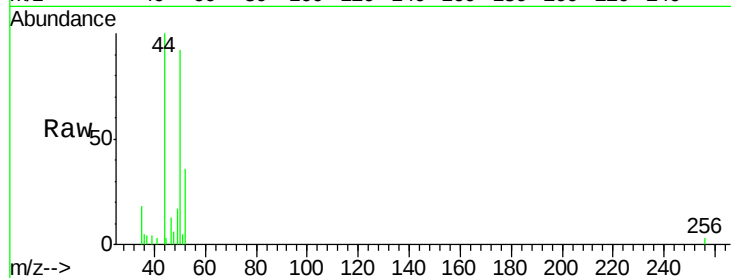
VSTDIC005

Tgt Ion: 50 Resp: 34535

Ion Ratio Lower Upper

50 100

52 39.4 27.2 40.8



#4

Vinyl Chloride

Concen: 4.67 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD057957.D

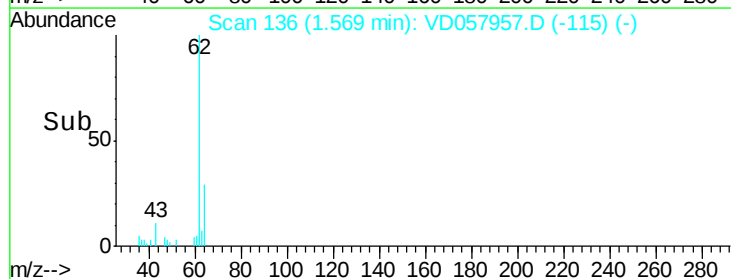
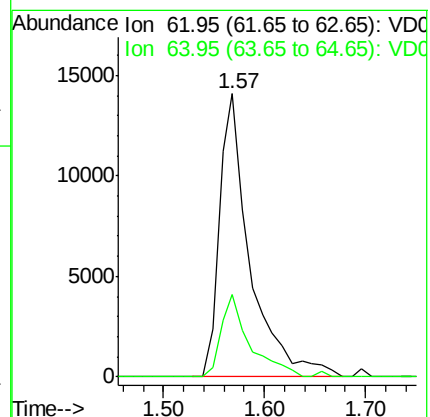
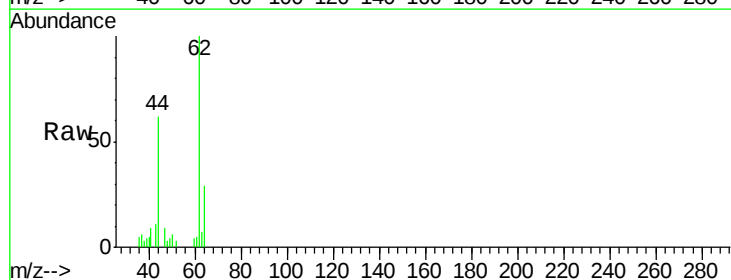
Acq: 6 Jun 2018 17:54

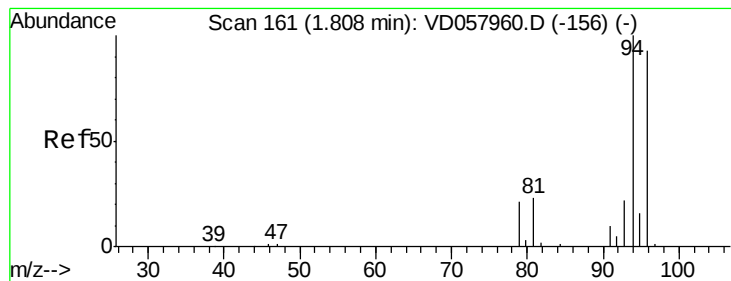
Tgt Ion: 62 Resp: 29655

Ion Ratio Lower Upper

62 100

64 29.3 25.4 38.2





#5

Bromomethane

Concen: 5.17 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

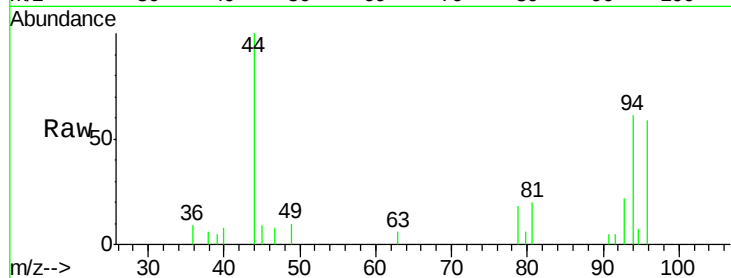
VSTDIC005

Tgt Ion: 94 Resp: 12867

Ion Ratio Lower Upper

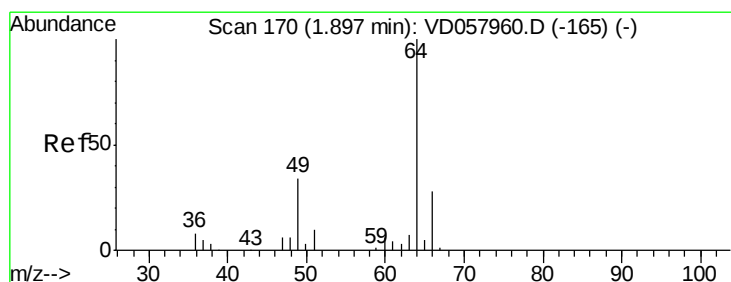
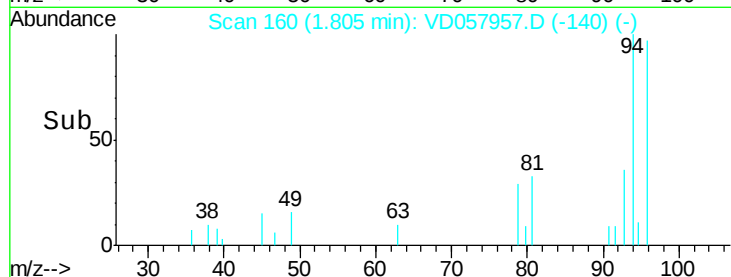
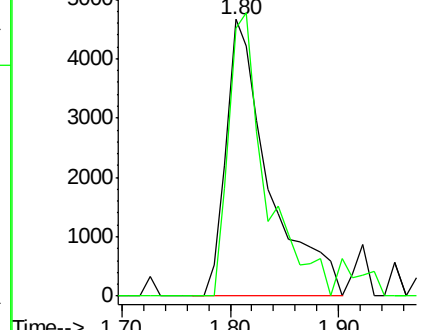
94 100

96 97.0 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: 5.45 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.00 min

Lab File: VD057957.D

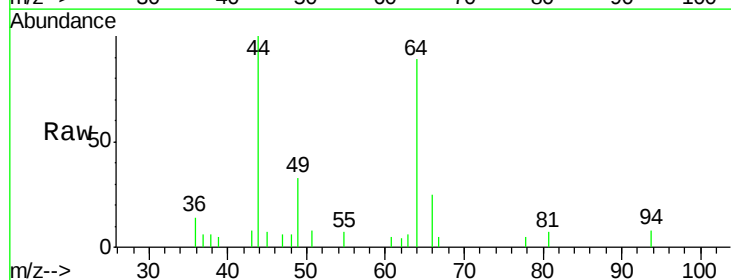
Acq: 6 Jun 2018 17:54

Tgt Ion: 64 Resp: 13675

Ion Ratio Lower Upper

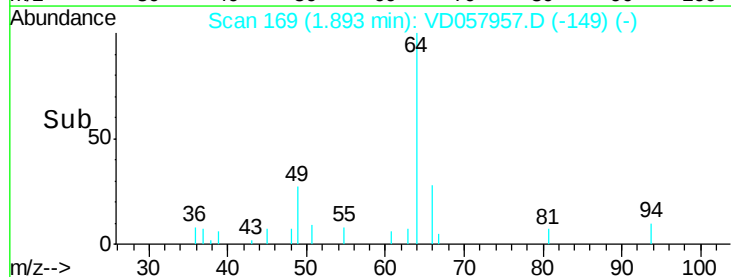
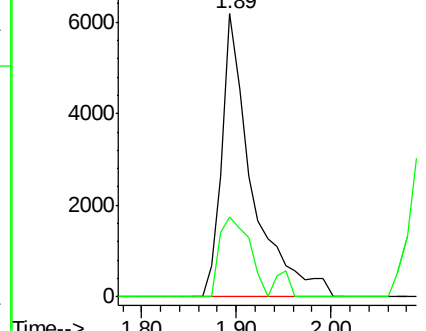
64 100

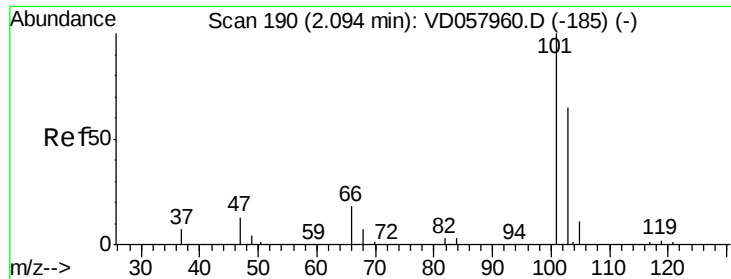
66 28.1 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 5.02 ug/l

RT: 2.10 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

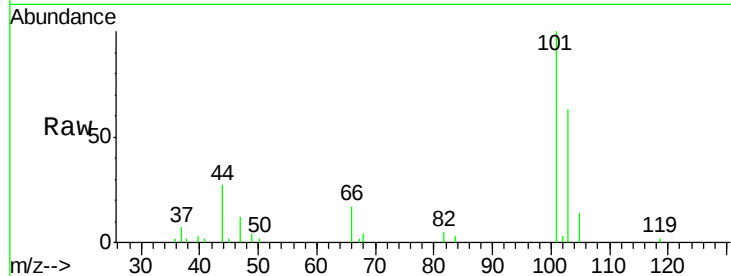
VSTDIC005

Tgt Ion:101 Resp: 43601

Ion Ratio Lower Upper

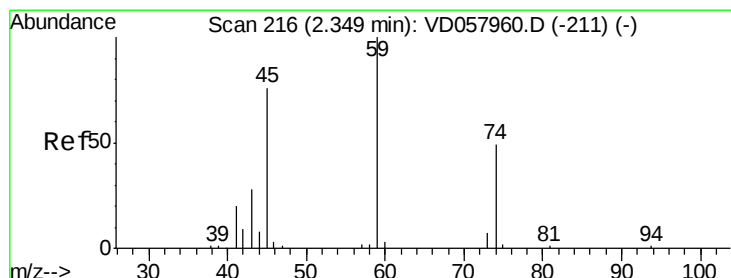
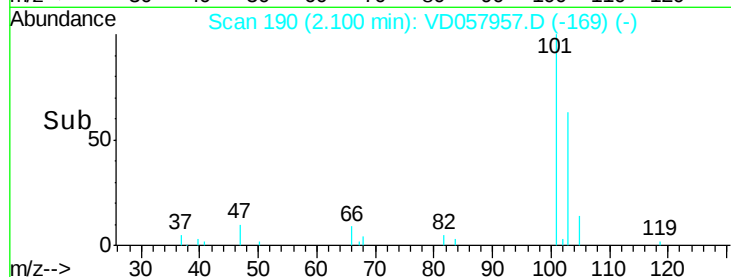
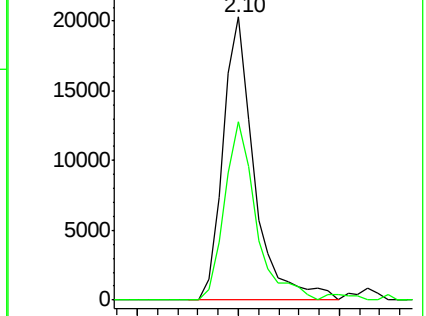
101 100

103 63.2 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: 4.27 ug/l

RT: 2.35 min Scan# 215

Delta R.T. -0.00 min

Lab File: VD057957.D

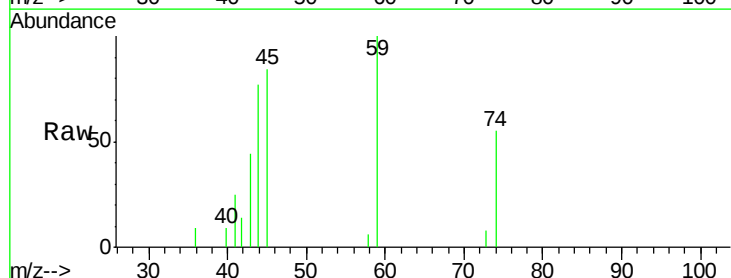
Acq: 6 Jun 2018 17:54

Tgt Ion: 74 Resp: 6892

Ion Ratio Lower Upper

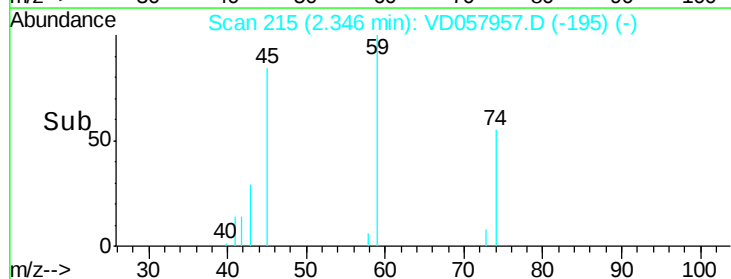
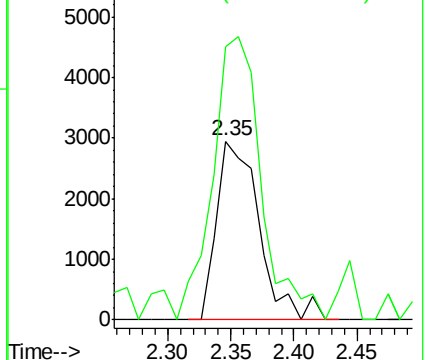
74 100

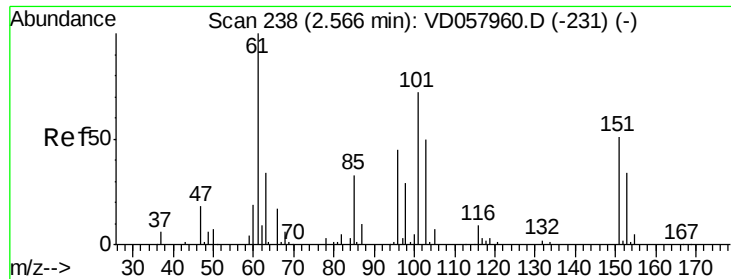
45 152.9 77.1 231.3



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: 4.47 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

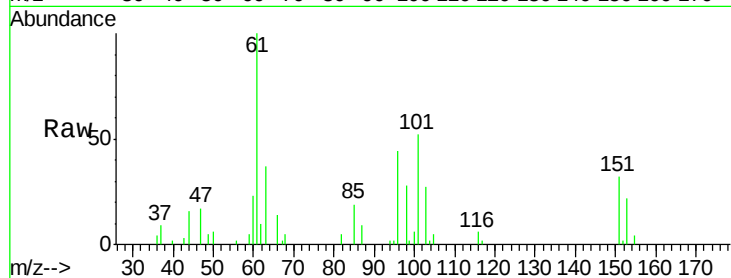
Tgt Ion:101 Resp: 23148

Ion Ratio Lower Upper

101 100

85 36.3 37.3 55.9#

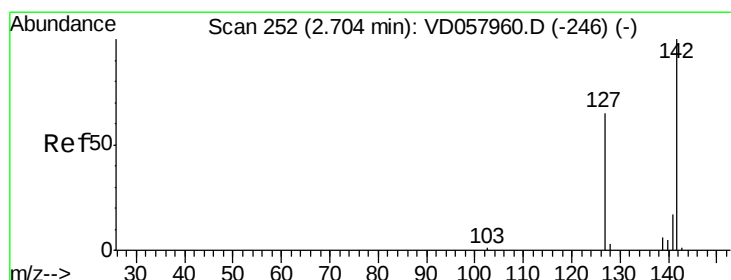
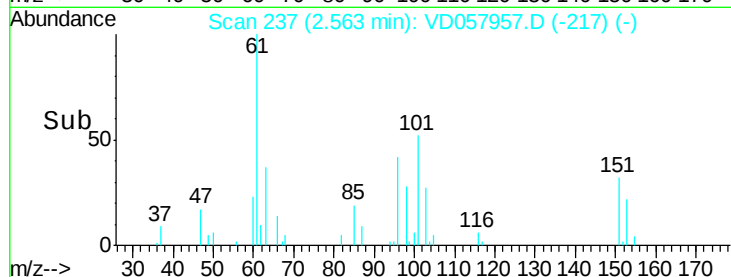
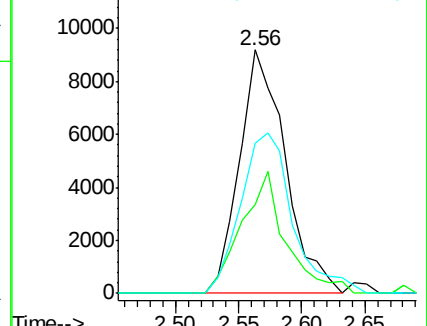
151 61.9 57.0 85.6



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



#10

Methyl Iodide

Concen: 3.91 ug/l

RT: 2.71 min Scan# 252

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

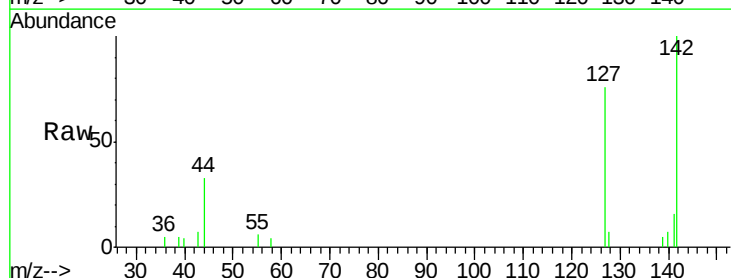
Tgt Ion:142 Resp: 26133

Ion Ratio Lower Upper

142 100

127 75.5 52.0 78.0

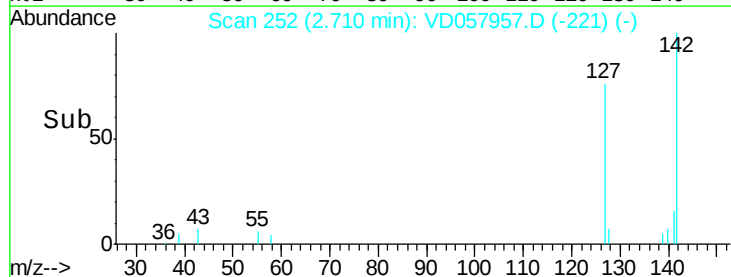
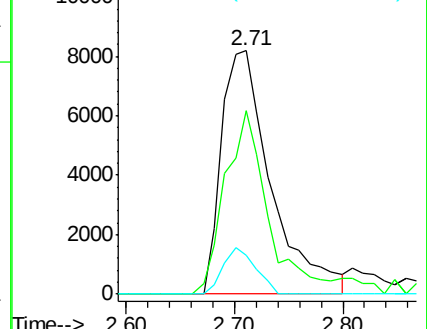
141 16.0 13.2 19.8

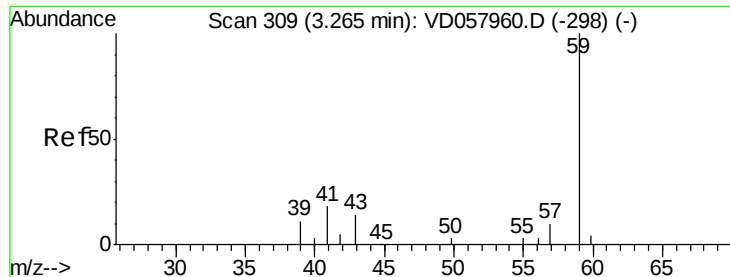


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

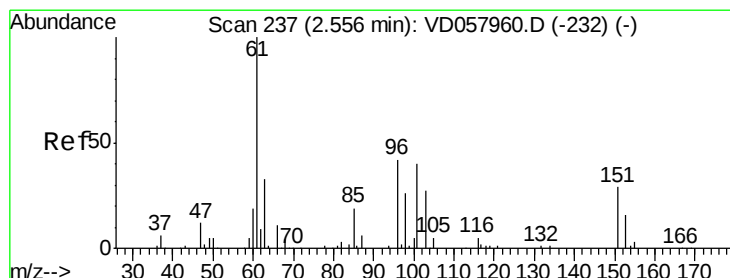
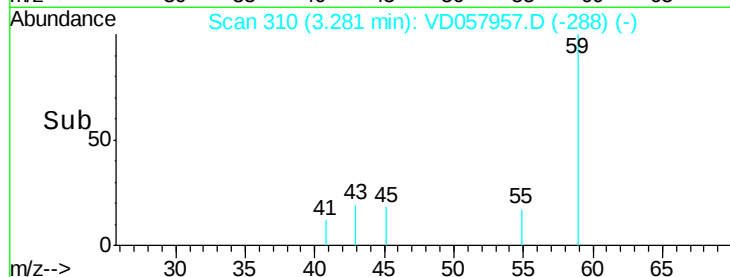
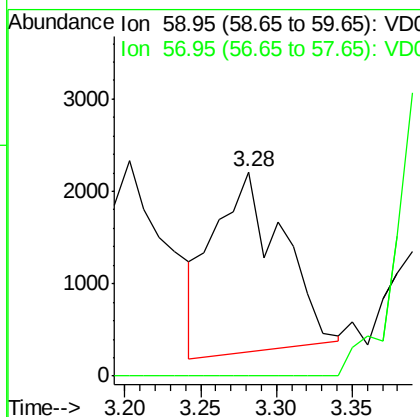
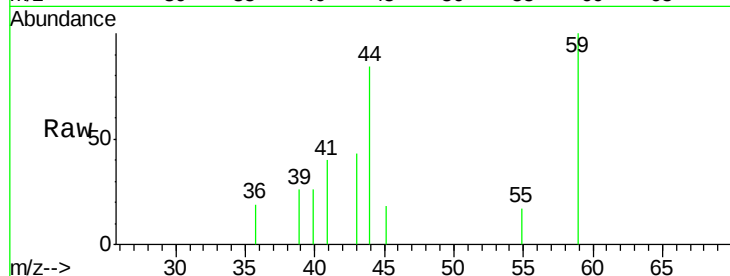




#11
Tert butyl alcohol
Concen: 23.04 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.02 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

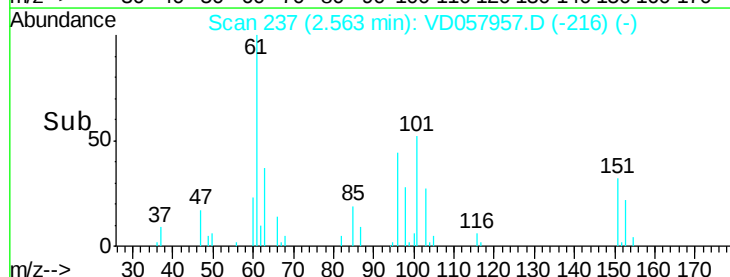
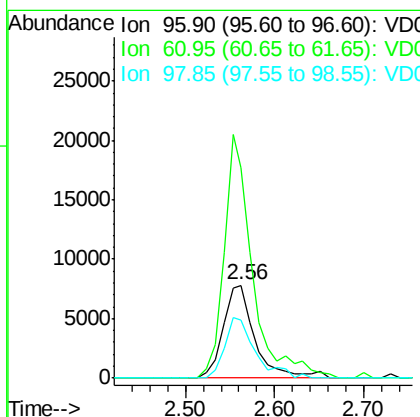
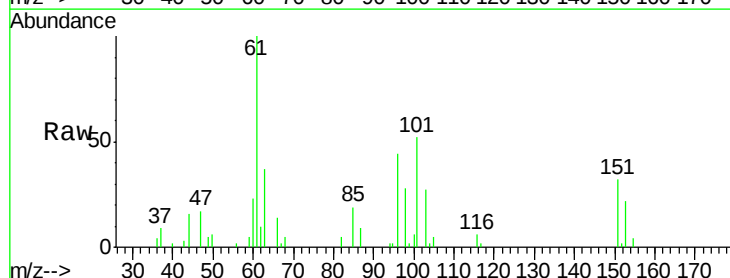
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

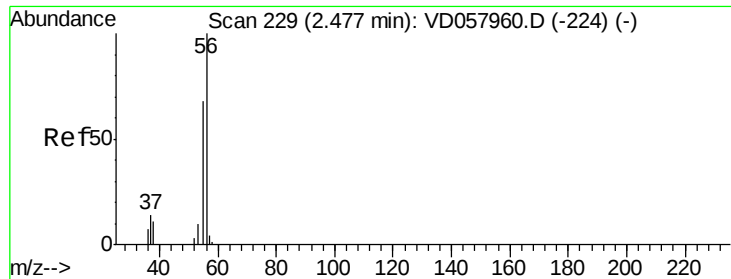
Tgt Ion: 59 Resp: 6127
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#12
1,1-Dichloroethene
Concen: 4.91 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.01 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion: 96 Resp: 19562
Ion Ratio Lower Upper
96 100
61 227.3 190.2 285.4
98 63.2 49.6 74.4





#13

Acrolein

Concen: 22.63 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

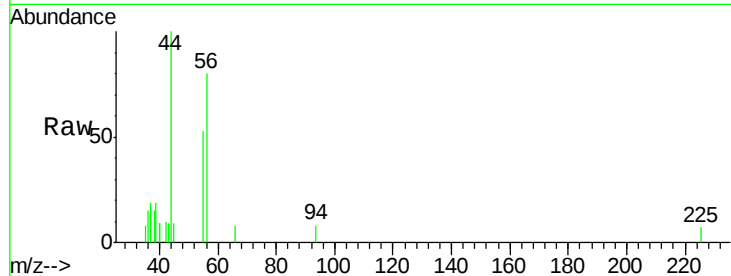
VSTDIC005

Tgt Ion: 56 Resp: 8621

Ion Ratio Lower Upper

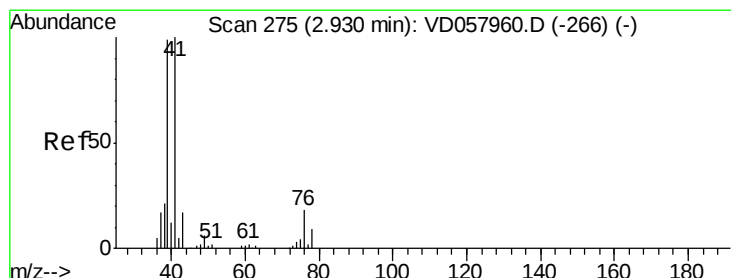
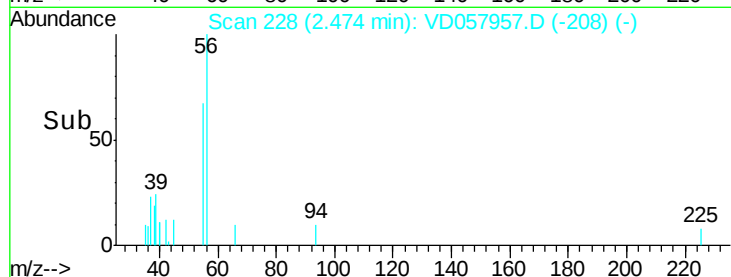
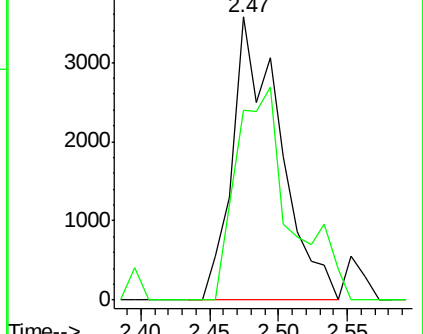
56 100

55 66.9 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.90 ug/l

RT: 2.94 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

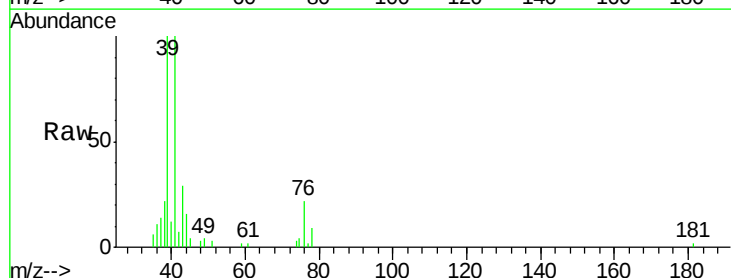
Tgt Ion: 41 Resp: 45003

Ion Ratio Lower Upper

41 100

39 100.3 79.5 119.3

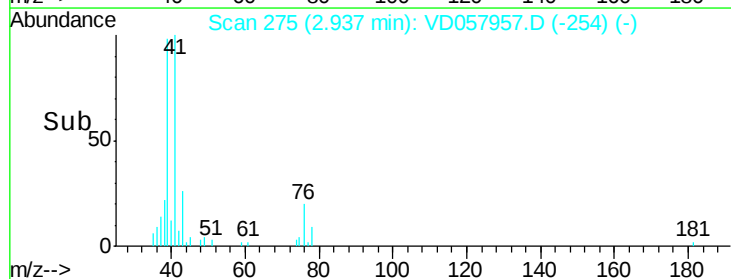
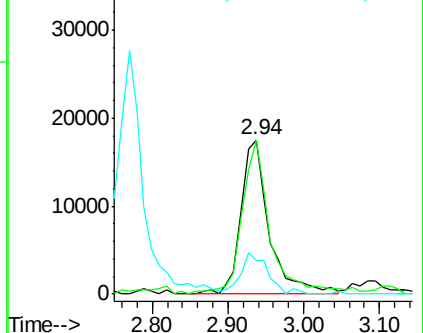
76 21.9 20.7 31.1

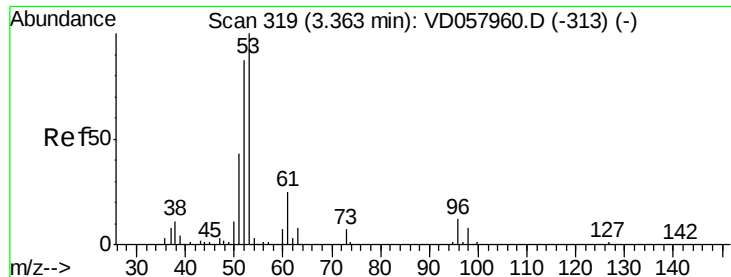


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 25.23 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

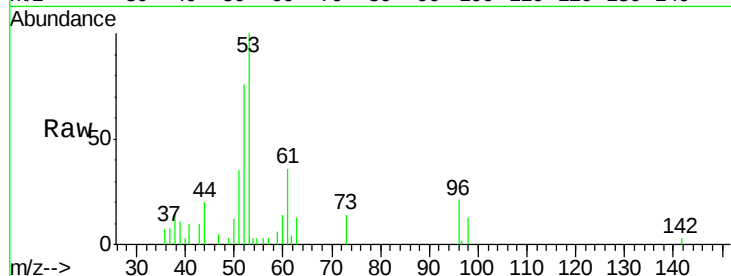
Tgt Ion: 53 Resp: 39257

Ion Ratio Lower Upper

53 100

52 75.8 69.9 104.9

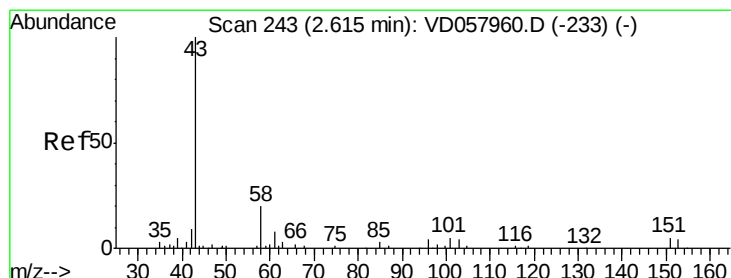
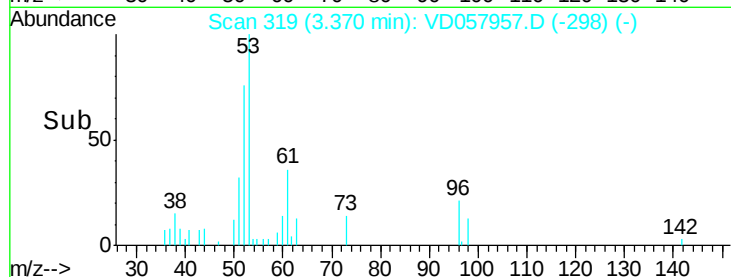
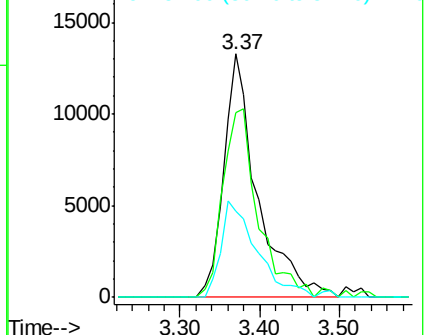
51 35.4 34.3 51.5



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: 26.71 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD057957.D

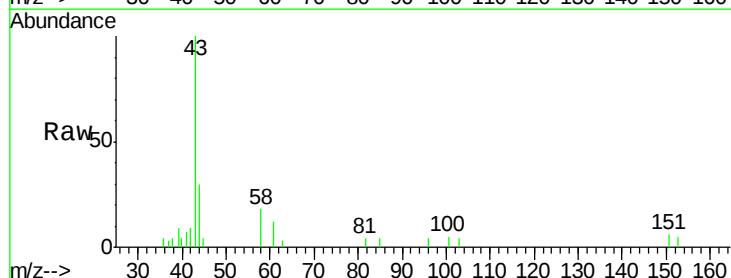
Acq: 6 Jun 2018 17:54

Tgt Ion: 43 Resp: 38212

Ion Ratio Lower Upper

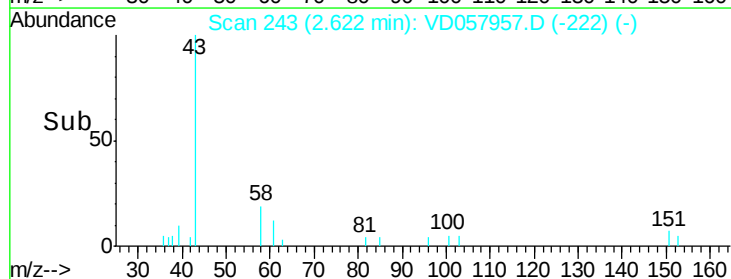
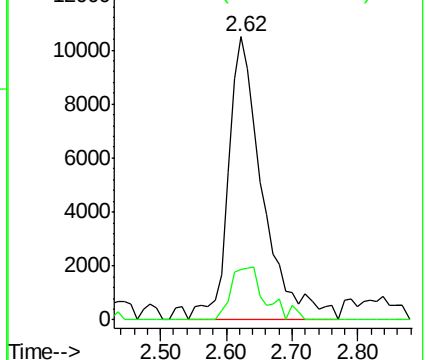
43 100

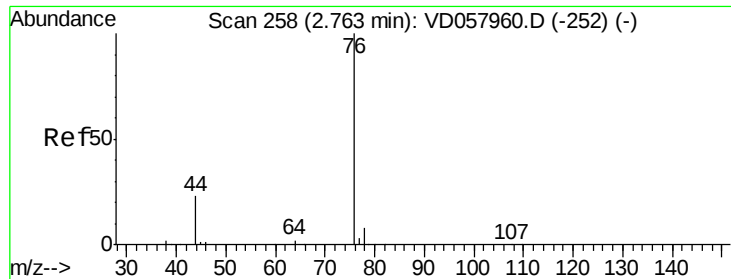
58 17.8 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

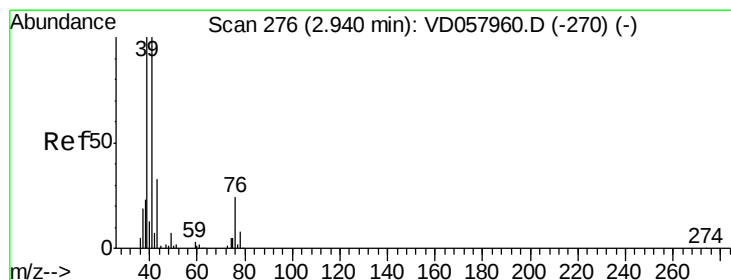
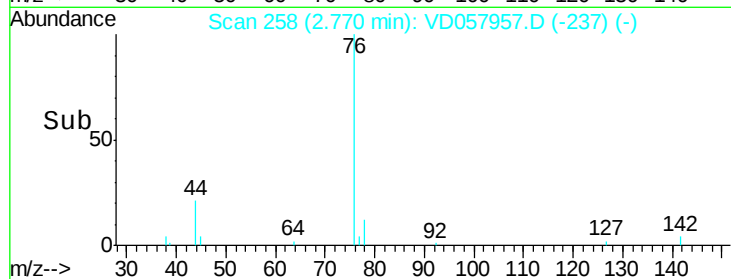
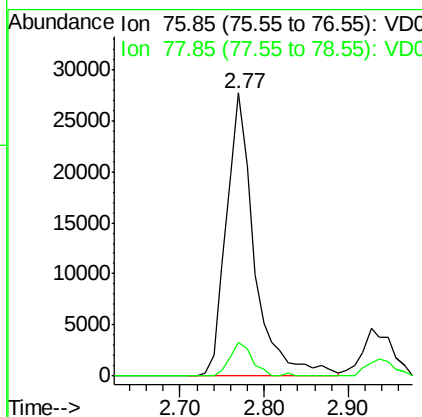
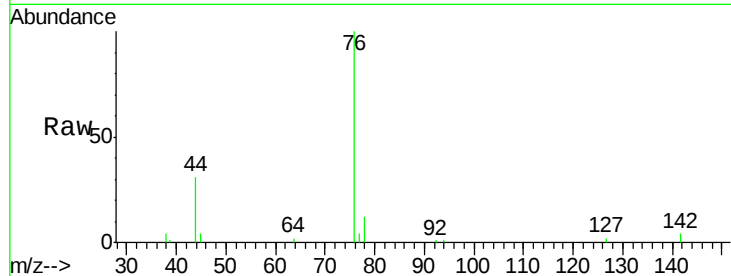




#17
Carbon Disulfide
Concen: 4.44 ug/l
RT: 2.77 min Scan# 258
Delta R.T. 0.01 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

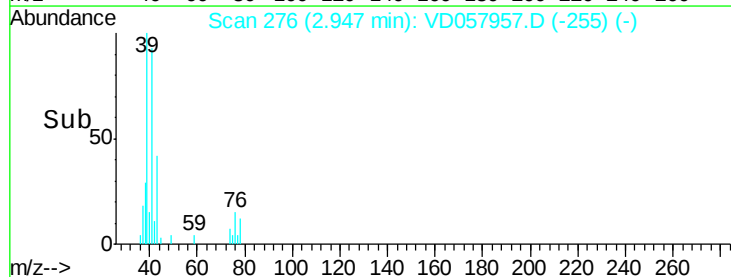
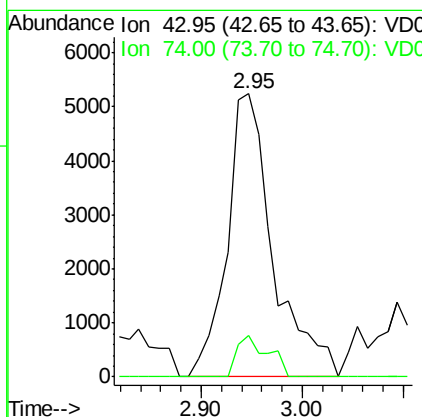
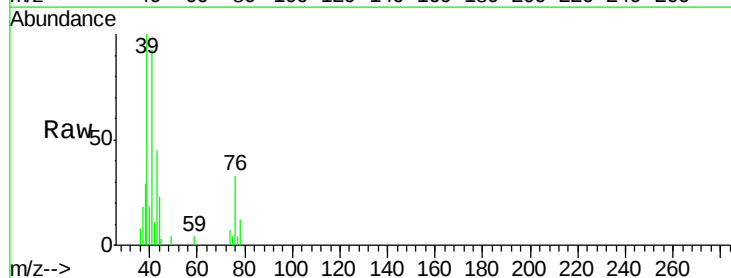
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

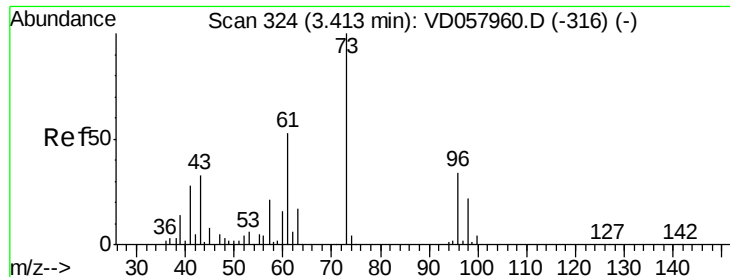
Tgt Ion: 76 Resp: 64103
Ion Ratio Lower Upper
76 100
78 12.0 6.7 10.1#



#18
Methyl Acetate
Concen: 5.99 ug/l
RT: 2.95 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion: 43 Resp: 16584
Ion Ratio Lower Upper
43 100
74 14.5 11.2 16.8





#19

Methyl tert-butyl Ether

Concen: 4.64 ug/l

RT: 3.42 min Scan# 324

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

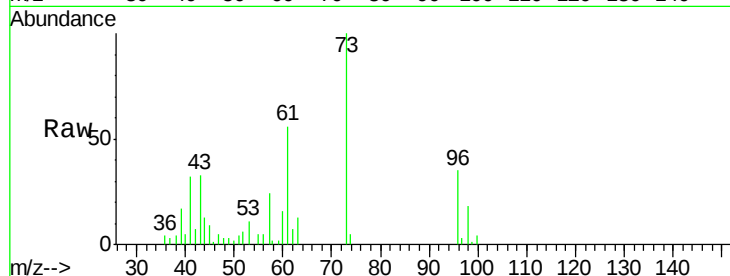
VSTDIC005

Tgt Ion: 73 Resp: 81254

Ion Ratio Lower Upper

73 100

57 24.1 16.7 25.1



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

3.42

25000

20000

15000

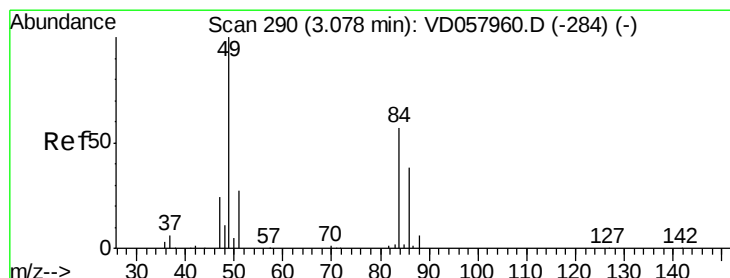
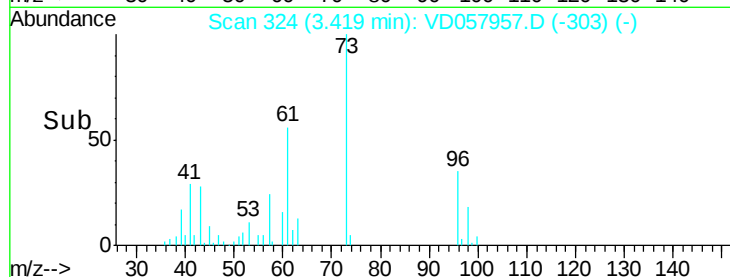
10000

5000

0

Time-->

3.30 3.40 3.50 3.60



#20

Methylene Chloride

Concen: 7.33 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Tgt Ion: 84 Resp: 35826

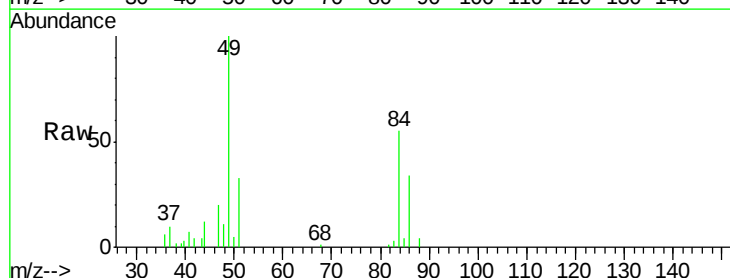
Ion Ratio Lower Upper

84 100

49 182.6 141.4 212.0

51 60.8 38.3 57.5#

86 62.9 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

30000

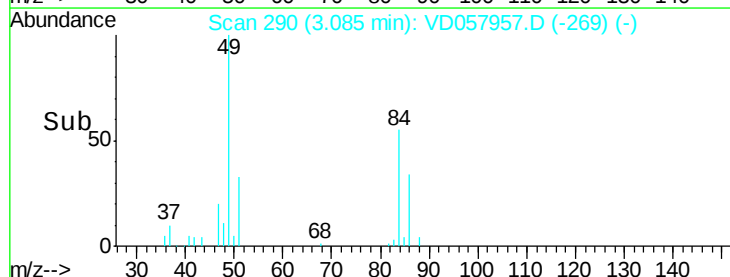
20000

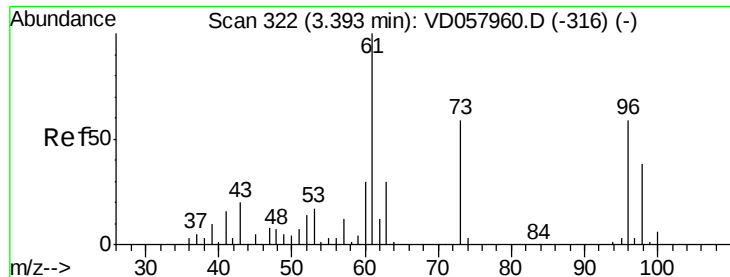
10000

0

Time-->

3.00 3.10 3.20

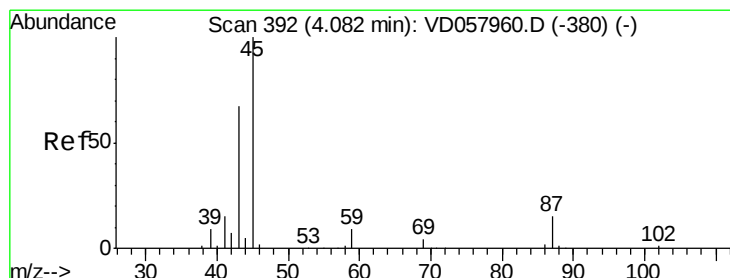
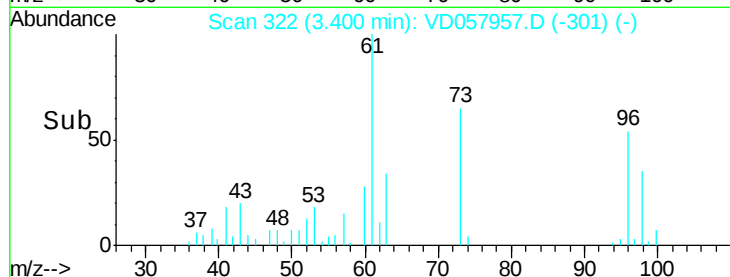
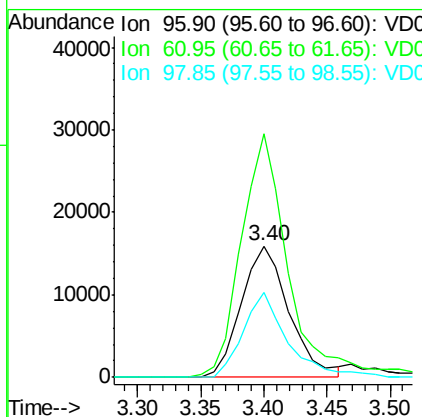
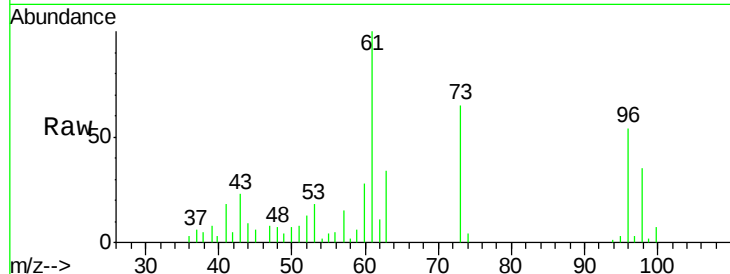




#21
trans-1,2-Dichloroethene
Concen: 4.71 ug/l
RT: 3.40 min Scan# 322
Delta R.T. 0.01 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

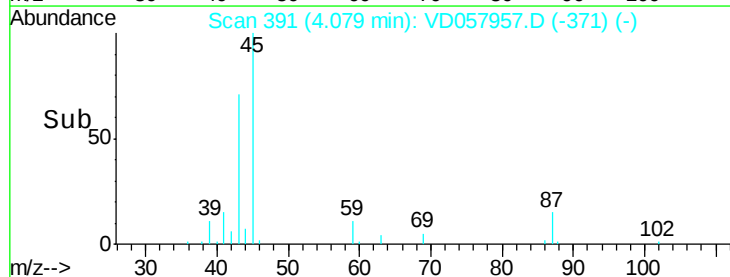
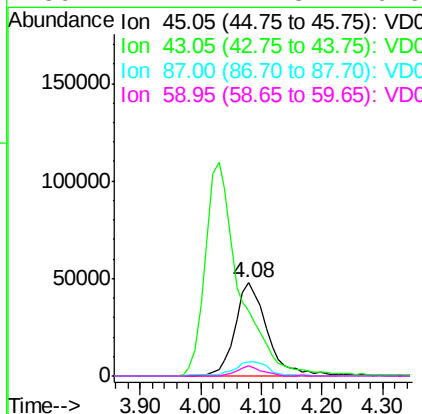
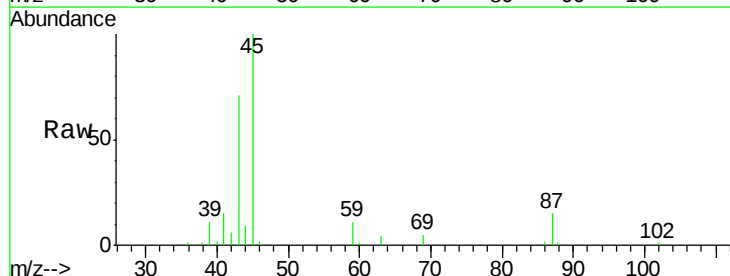
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

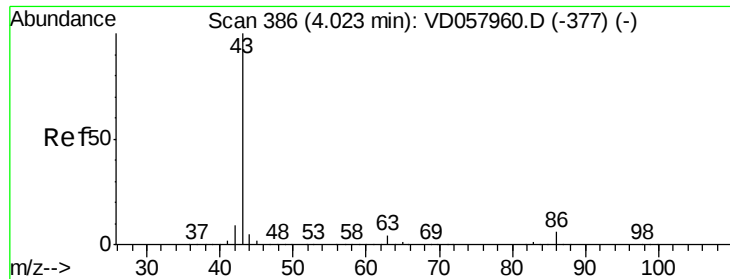
Tgt Ion: 96 Resp: 41763
Ion Ratio Lower Upper
96 100
61 185.9 135.2 202.8
98 65.1 51.7 77.5



#22
Diisopropyl ether
Concen: 4.84 ug/l
RT: 4.08 min Scan# 391
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion: 45 Resp: 176058
Ion Ratio Lower Upper
45 100
43 70.6 53.8 80.8
87 14.9 12.5 18.7
59 11.2 7.3 10.9#





#23

Vinyl Acetate

Concen: 22.65 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

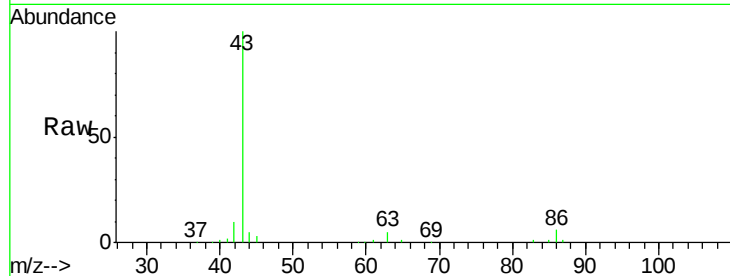
VSTDIC005

Tgt Ion: 43 Resp: 426060

Ion Ratio Lower Upper

43 100

86 5.9 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.03

120000

100000

80000

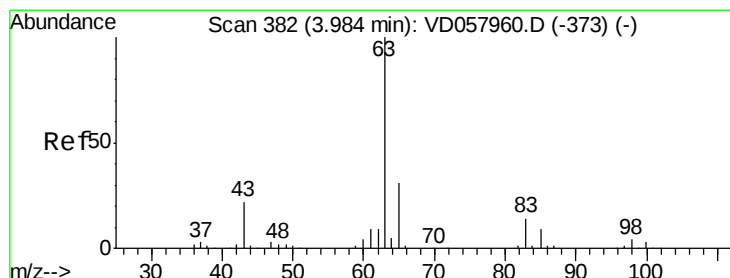
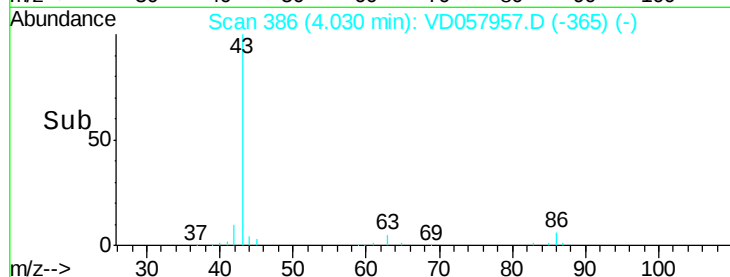
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 4.98 ug/l

RT: 3.99 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

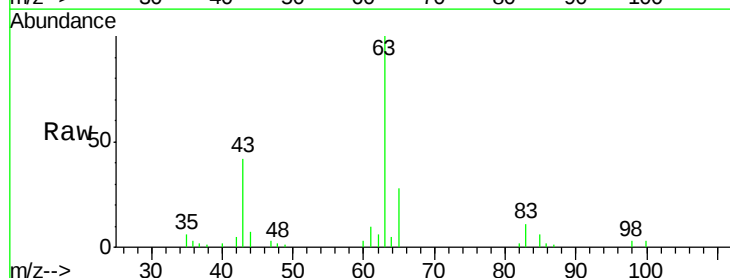
Tgt Ion: 63 Resp: 99702

Ion Ratio Lower Upper

63 100

98 3.5 2.0 5.8

100 3.3 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

3.99

40000

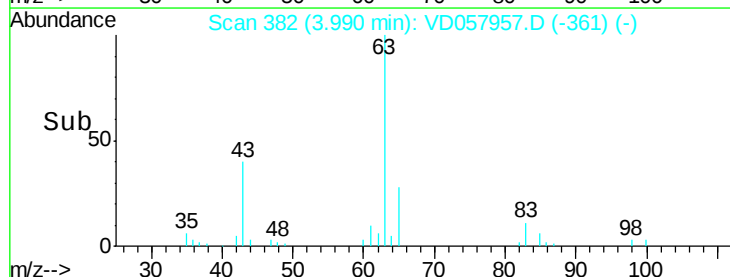
30000

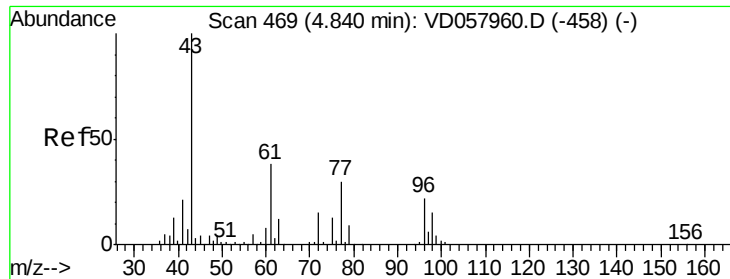
20000

10000

0

Time-->





#25

2-Butanone

Concen: 25.54 ug/l

RT: 4.85 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

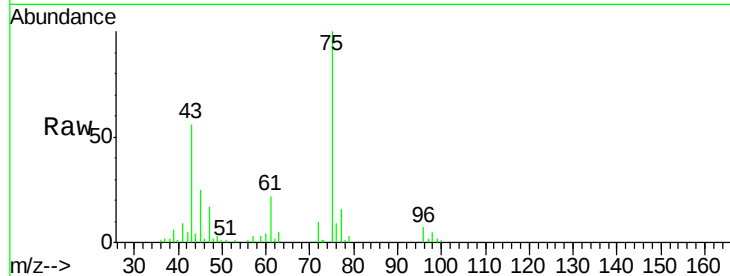
VSTDIC005

Tgt Ion: 43 Resp: 83038

Ion Ratio Lower Upper

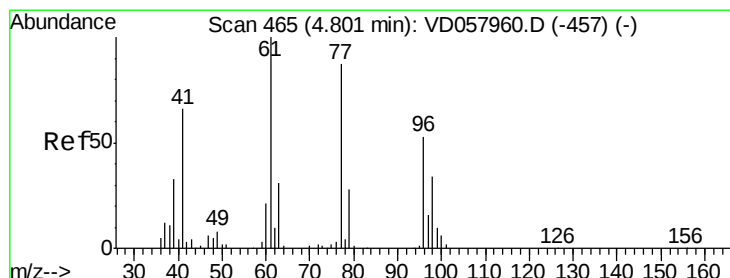
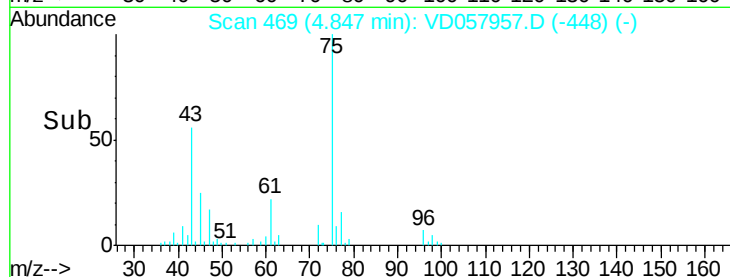
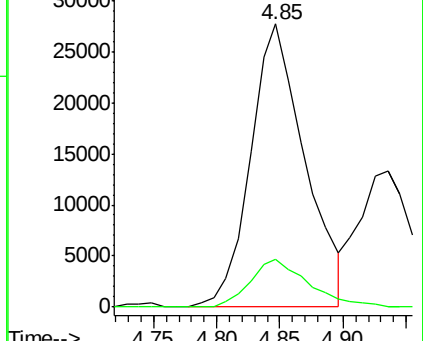
43 100

72 17.1 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: 5.02 ug/l

RT: 4.81 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD057957.D

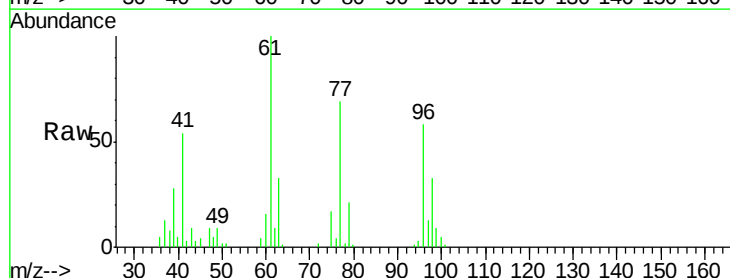
Acq: 6 Jun 2018 17:54

Tgt Ion: 77 Resp: 82772

Ion Ratio Lower Upper

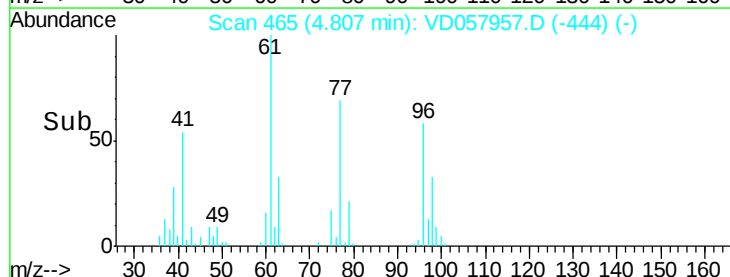
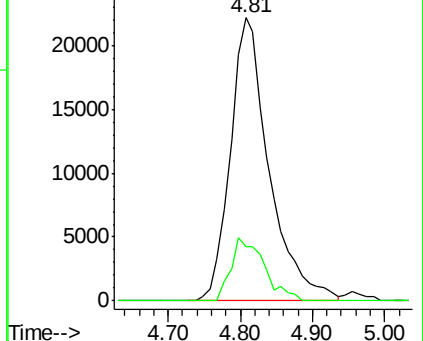
77 100

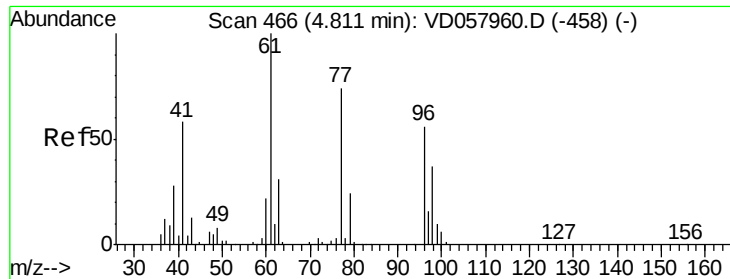
97 19.1 9.2 27.6



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: 5.06 ug/l

RT: 4.81 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

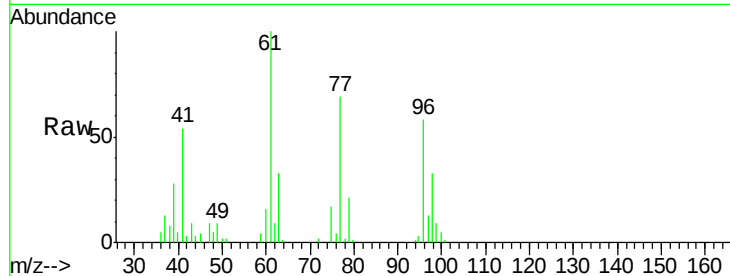
Tgt Ion: 96 Resp: 53230

Ion Ratio Lower Upper

96 100

61 172.9 0.0 355.0

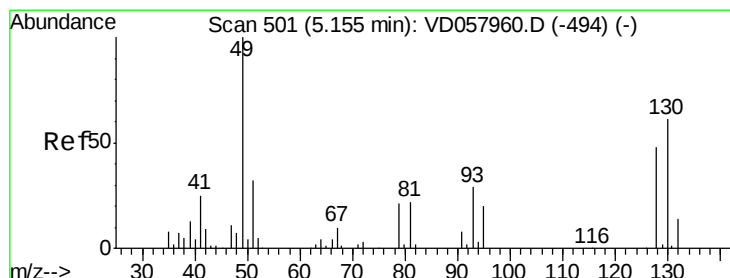
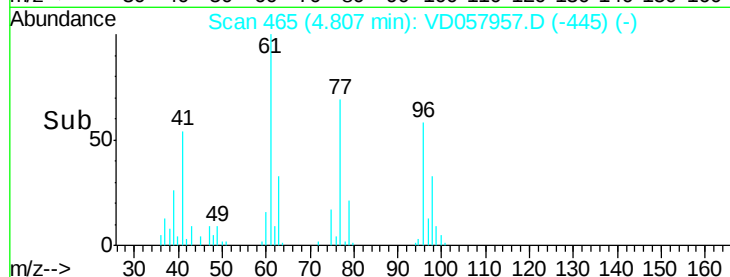
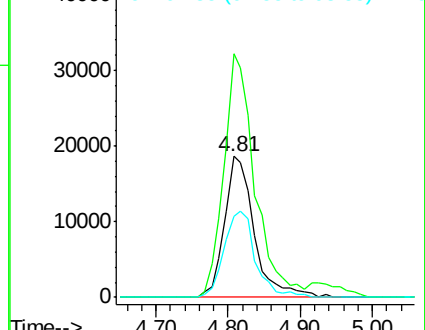
98 57.9 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 4.02 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

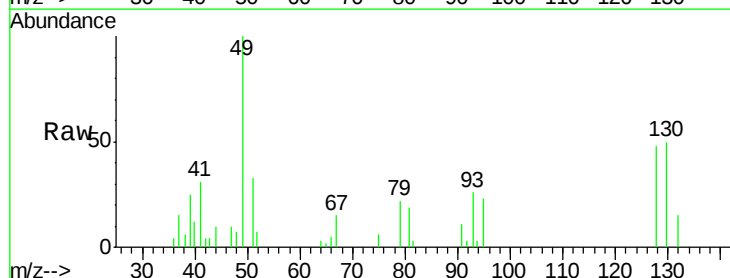
Tgt Ion: 49 Resp: 34791

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

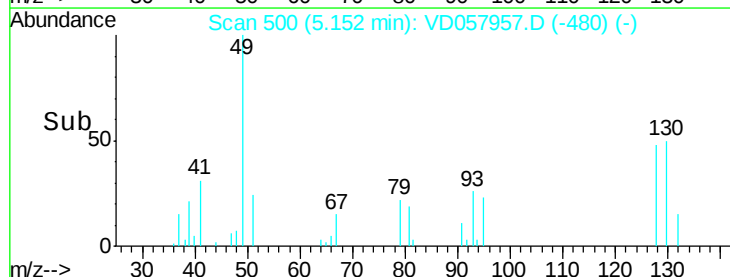
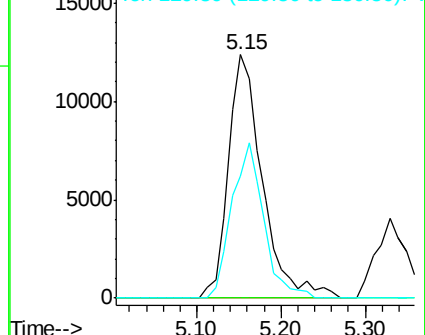
130 50.3 48.8 73.2

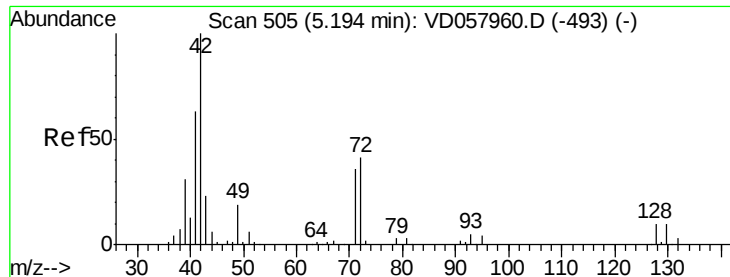


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

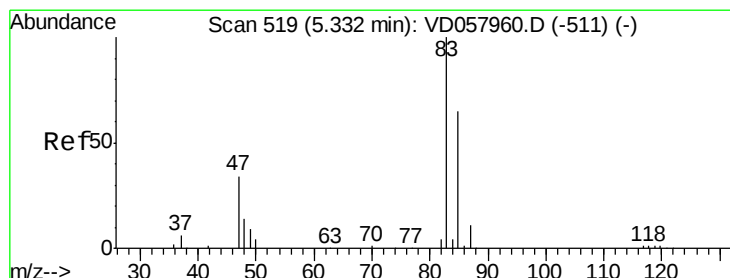
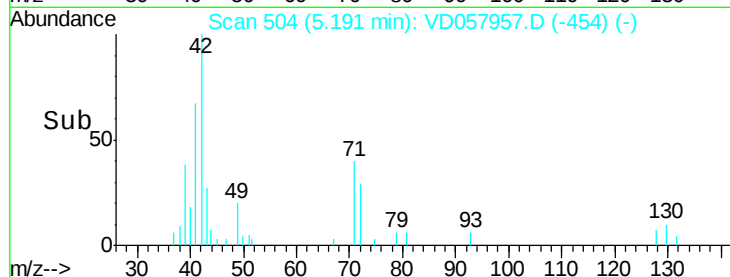
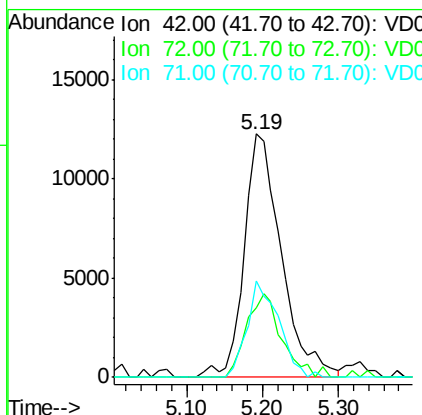
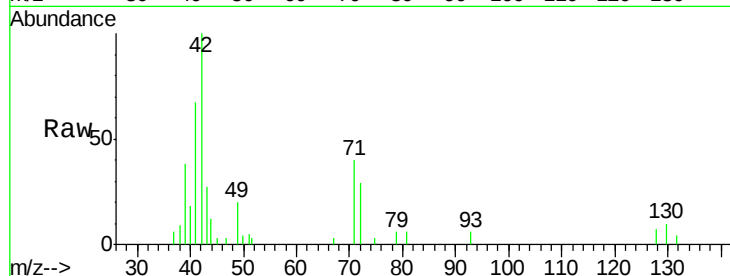




#29
Tetrahydrofuran
Concen: 24.68 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

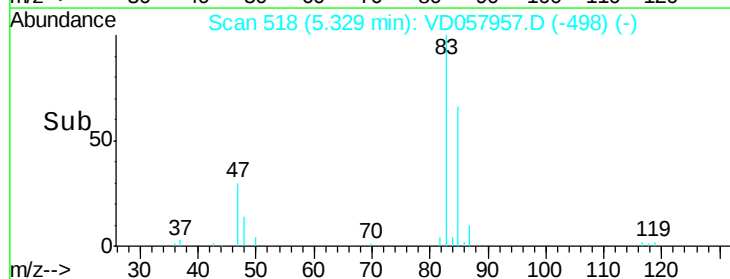
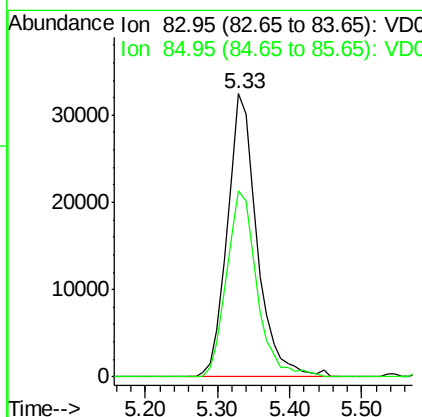
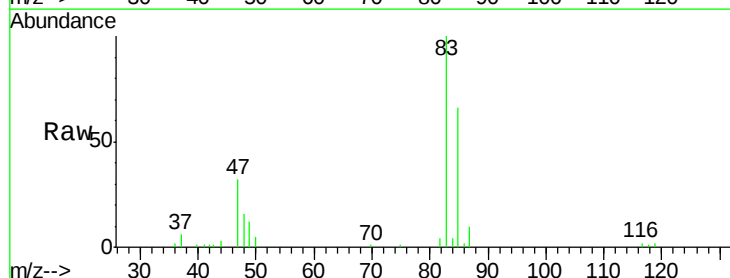
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

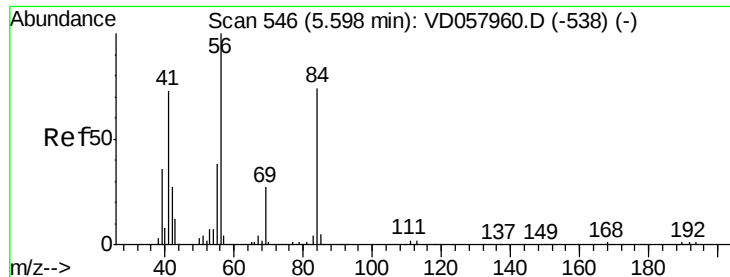
Tgt Ion: 42 Resp: 42054
Ion Ratio Lower Upper
42 100
72 32.8 28.5 42.7
71 33.7 27.9 41.9



#30
Chloroform
Concen: 4.62 ug/l
RT: 5.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion: 83 Resp: 93008
Ion Ratio Lower Upper
83 100
85 65.6 51.6 77.4

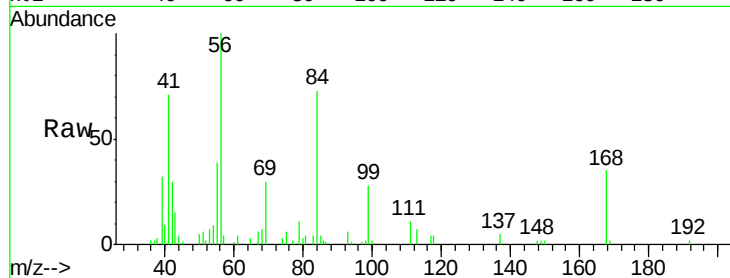




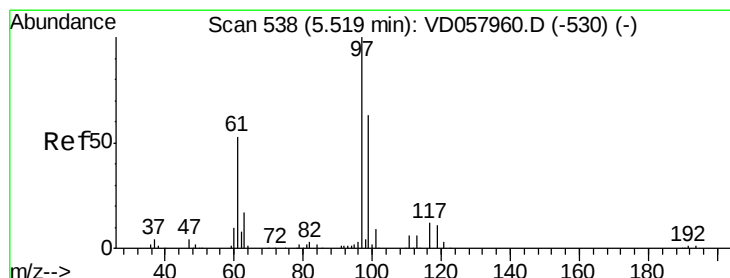
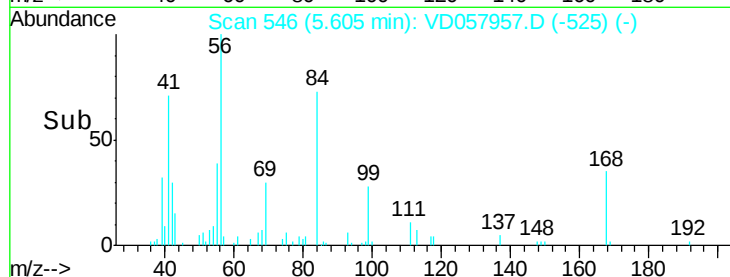
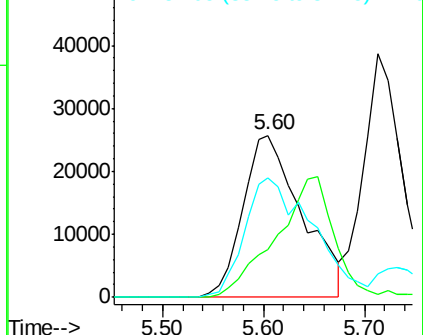
#31
Cyclohexane
Concen: 6.04 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 104355
Ion Ratio Lower Upper
56 100
69 29.6 21.5 32.3
84 73.4 61.0 91.6

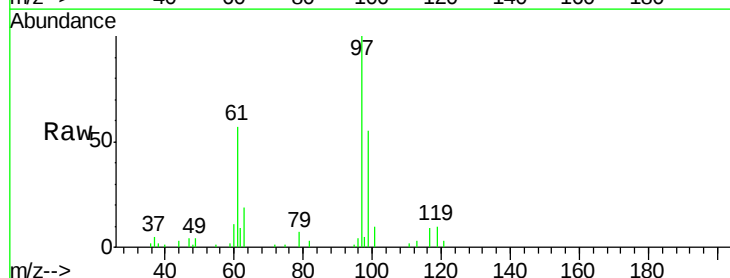


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

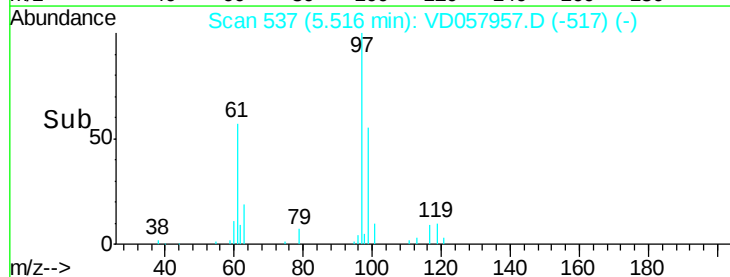
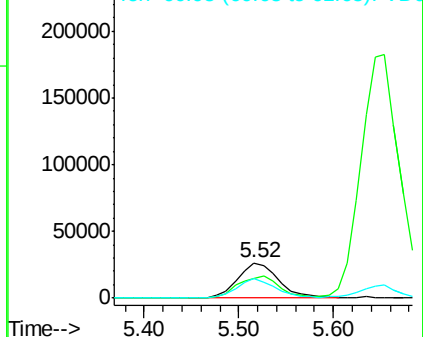


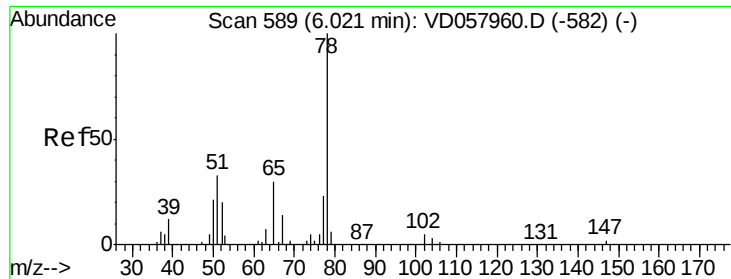
#32
1,1,1-Trichloroethane
Concen: 4.73 ug/l
RT: 5.52 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion: 97 Resp: 79793
Ion Ratio Lower Upper
97 100
99 54.6 50.1 75.1
61 56.9 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

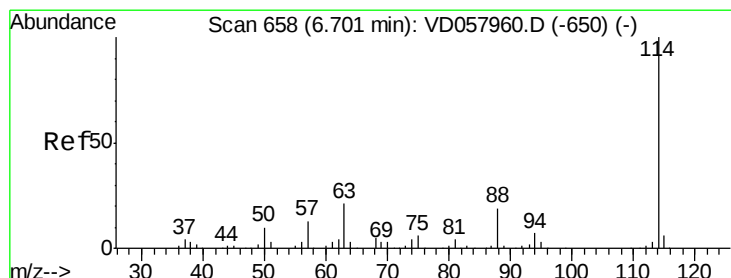
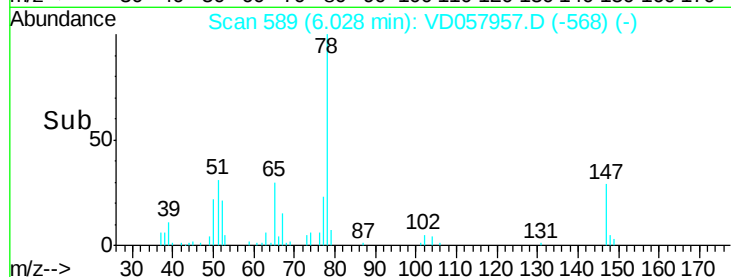
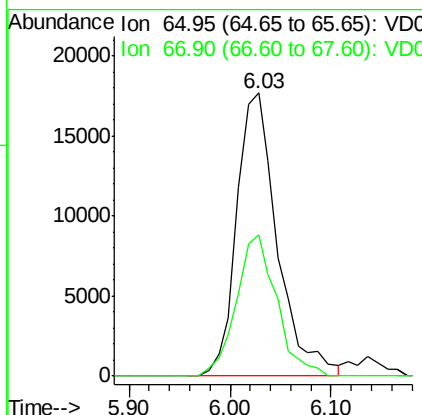
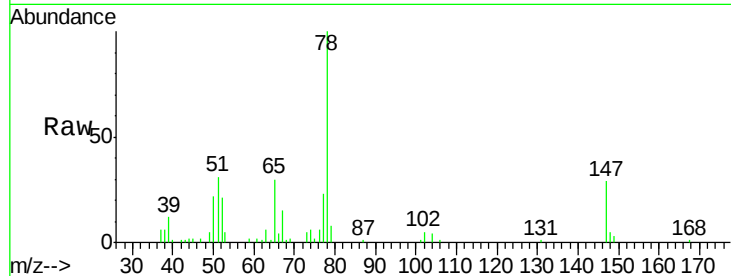




#33
 1,2-Dichloroethane-d4
 Concen: 4.73 ug/l
 RT: 6.03 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

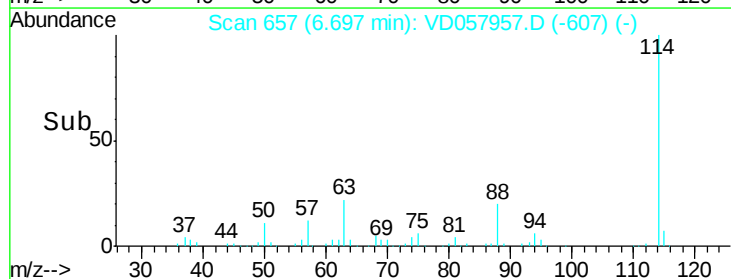
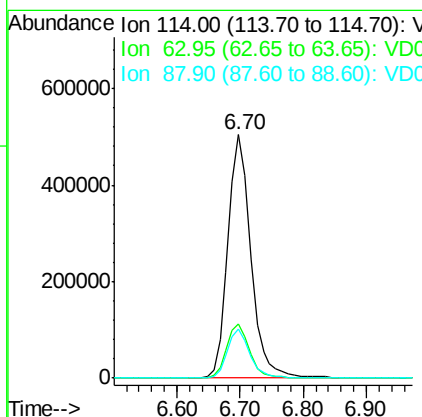
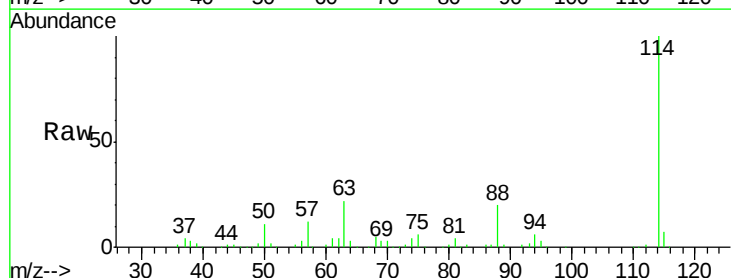
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

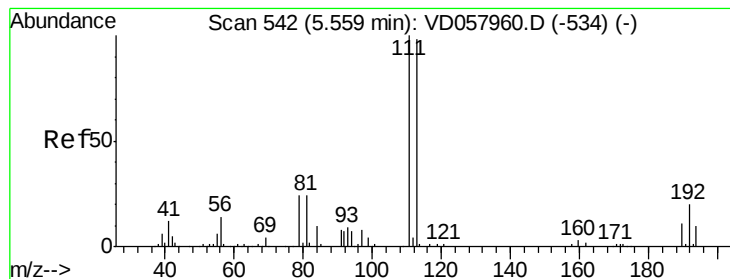
Tgt Ion: 65 Resp: 49514
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

Tgt Ion: 114 Resp: 1272944
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.8
 88 20.0 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

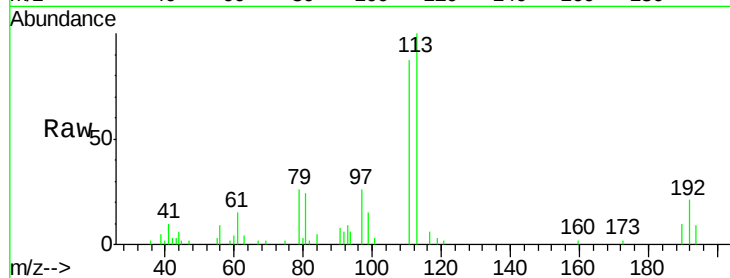
Tgt Ion:113 Resp: 50134

Ion Ratio Lower Upper

113 100

111 86.7 81.5 122.3

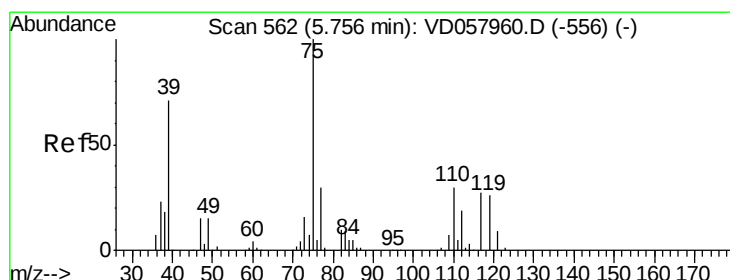
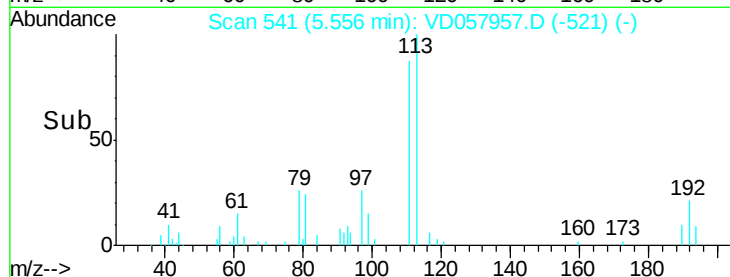
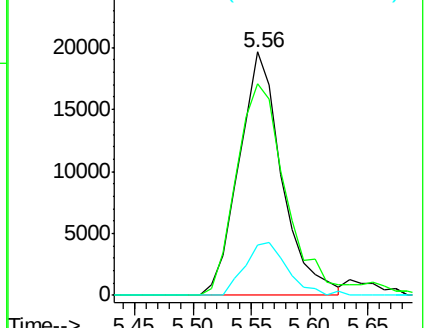
192 20.8 16.4 24.6



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: 5.45 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

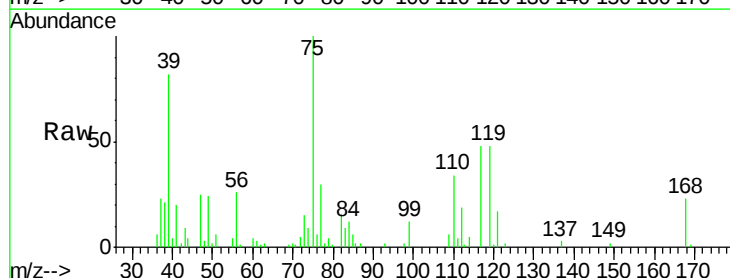
Tgt Ion: 75 Resp: 76490

Ion Ratio Lower Upper

75 100

110 34.1 14.8 44.3

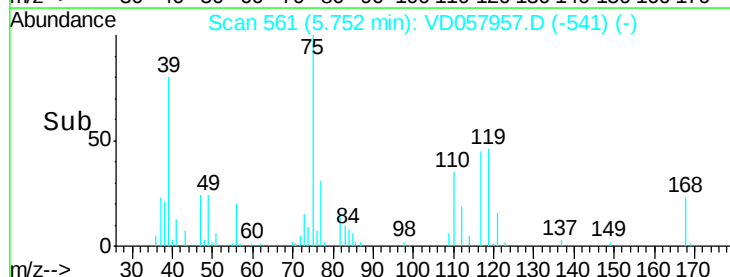
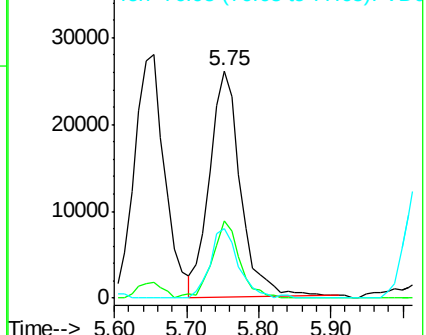
77 30.4 23.9 35.9

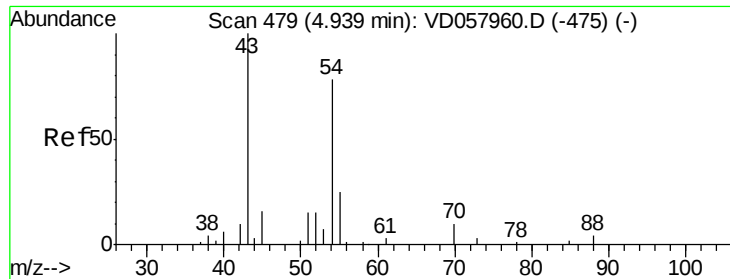


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

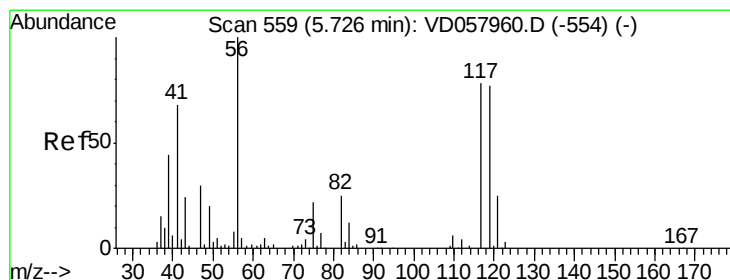
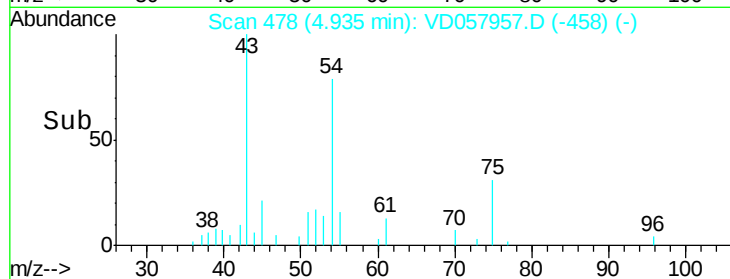
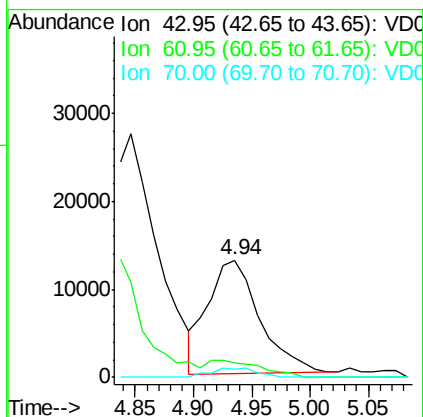
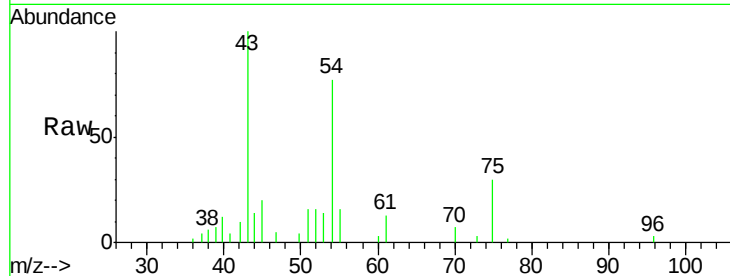




#37
 Ethyl Acetate
 Concen: 5.22 ug/l
 RT: 4.94 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

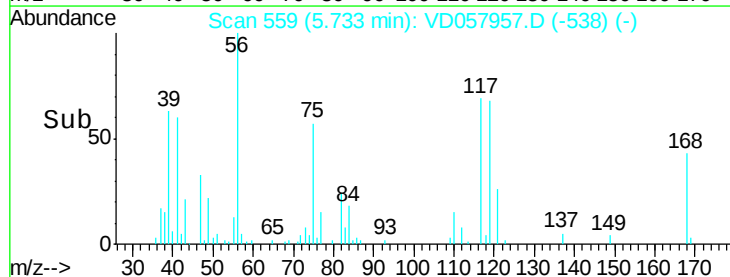
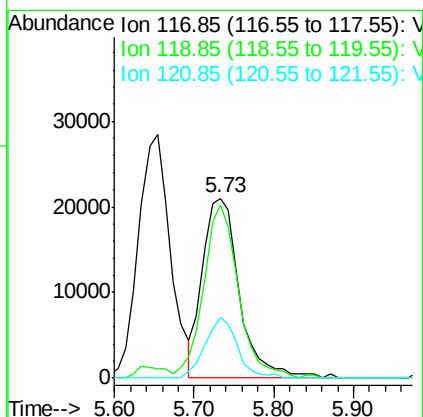
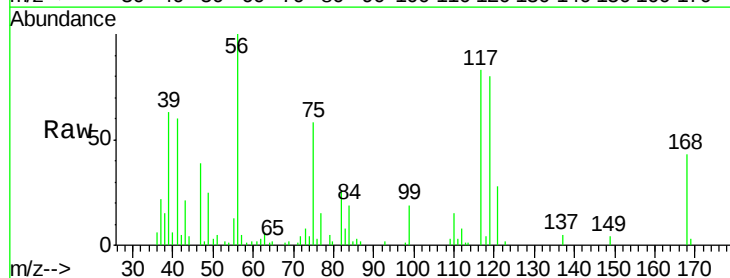
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

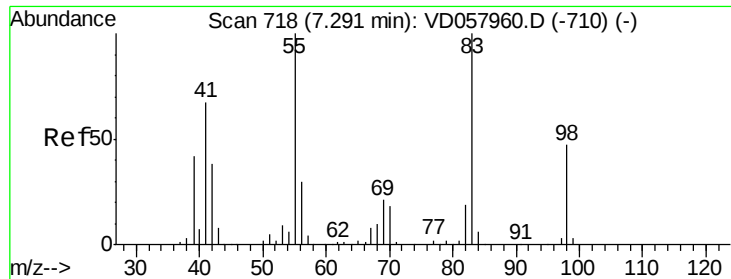
Tgt Ion: 43 Resp: 39926
 Ion Ratio Lower Upper
 43 100
 61 12.8 9.9 14.9
 70 7.2 5.7 8.5



#38
 Carbon Tetrachloride
 Concen: 4.93 ug/l
 RT: 5.73 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

Tgt Ion: 117 Resp: 68119
 Ion Ratio Lower Upper
 117 100
 119 96.2 76.1 114.1
 121 33.5 24.9 37.3

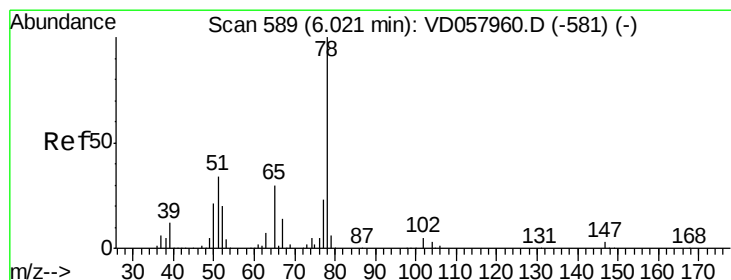
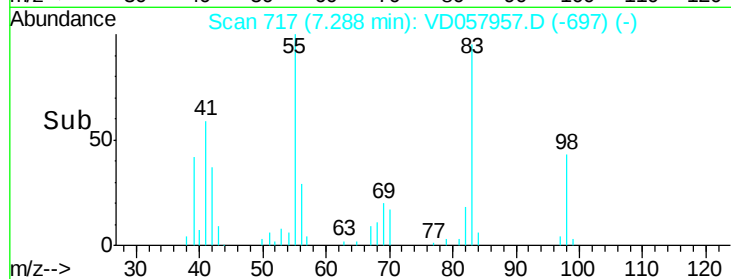
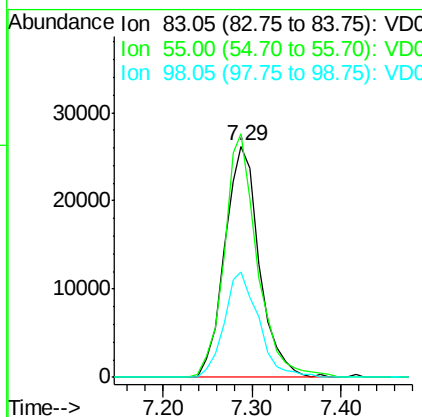
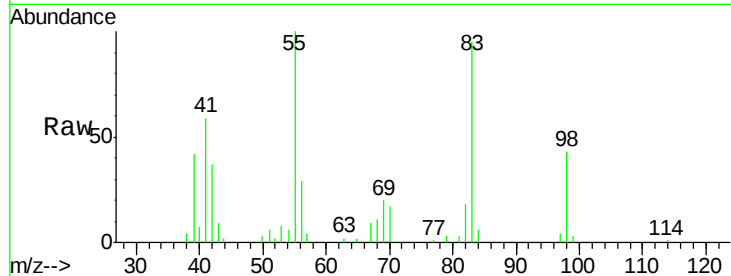




#39
Methylcyclohexane
Concen: 5.11 ug/l
RT: 7.29 min Scan# 717
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

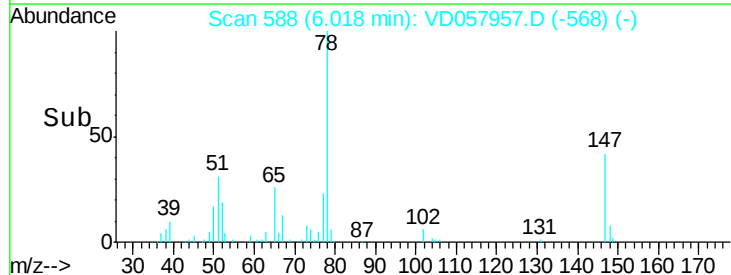
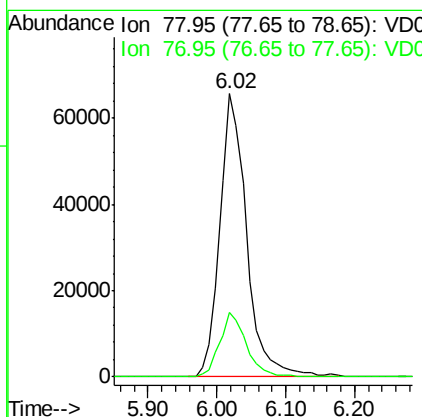
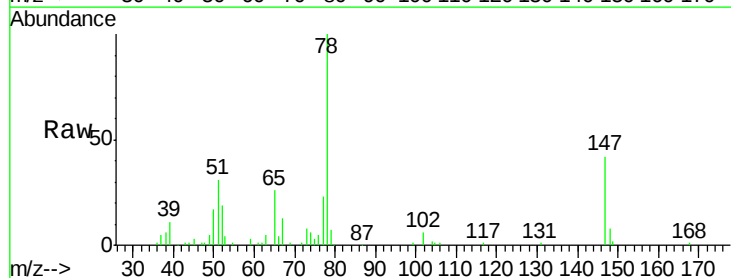
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

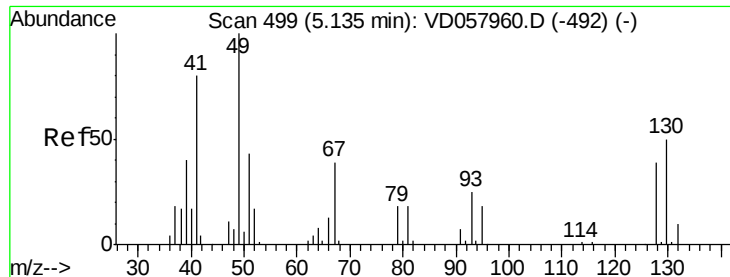
Tgt Ion: 83 Resp: 71029
Ion Ratio Lower Upper
83 100
55 105.2 80.3 120.5
98 45.5 38.0 57.0



#40
Benzene
Concen: 5.39 ug/l
RT: 6.02 min Scan# 588
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion: 78 Resp: 176648
Ion Ratio Lower Upper
78 100
77 22.7 18.1 27.1

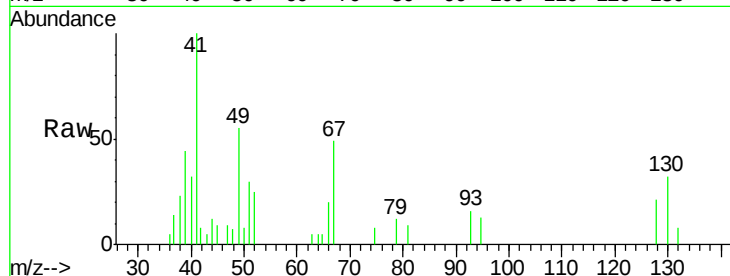




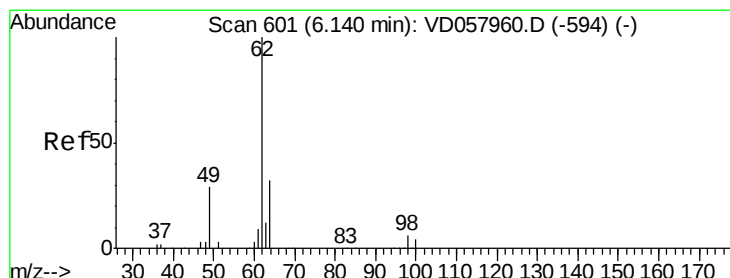
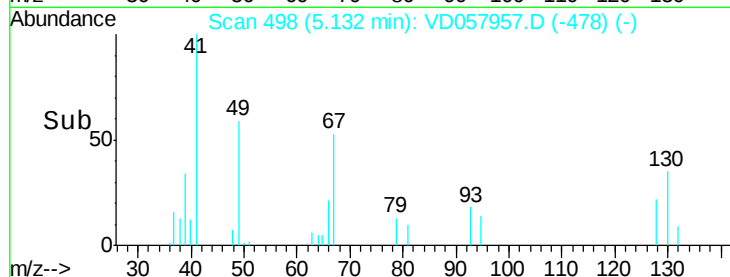
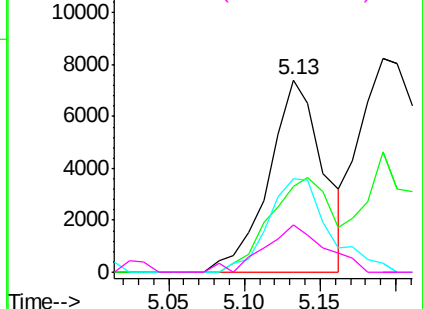
#41
Methacrylonitrile
Concen: 5.34 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 41 Resp: 18683
Ion Ratio Lower Upper
41 100
39 44.4 40.7 61.1
67 48.7 38.8 58.2
52 24.6 17.3 25.9

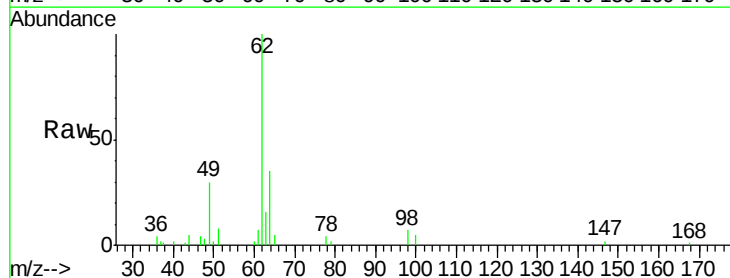


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

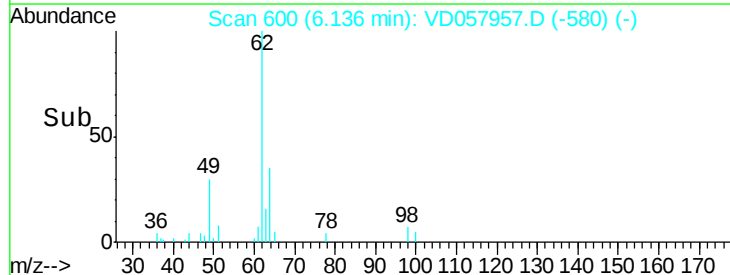
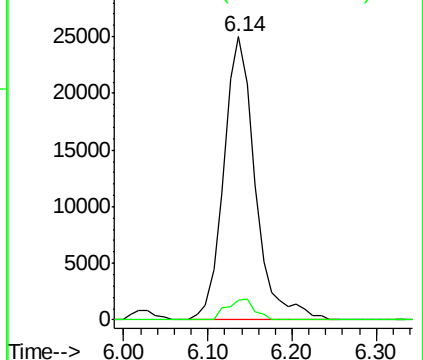


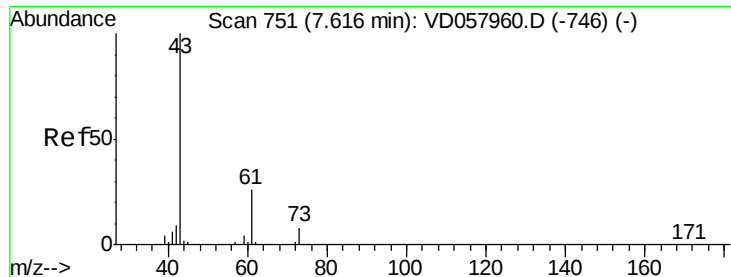
#42
1,2-Dichloroethane
Concen: 4.90 ug/l
RT: 6.14 min Scan# 600
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion: 62 Resp: 64917
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

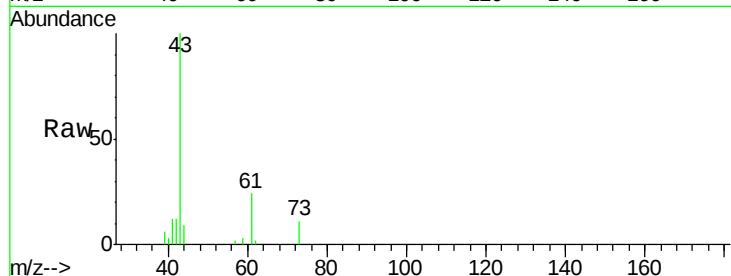




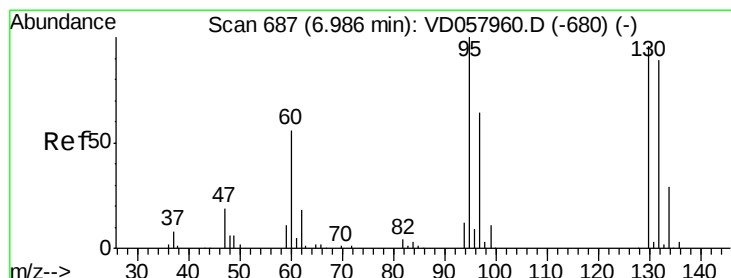
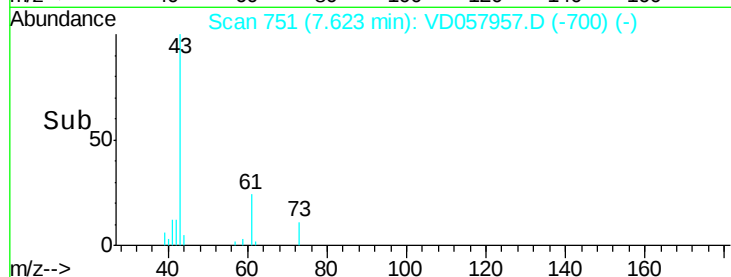
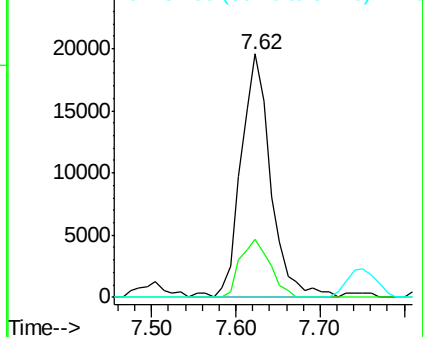
#43
Isopropyl Acetate
Concen: 4.82 ug/l
RT: 7.62 min Scan# 751
Delta R.T. 0.01 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 48324
Ion Ratio Lower Upper
43 100
61 23.8 20.6 30.8
87 0.0 0.2 0.4#

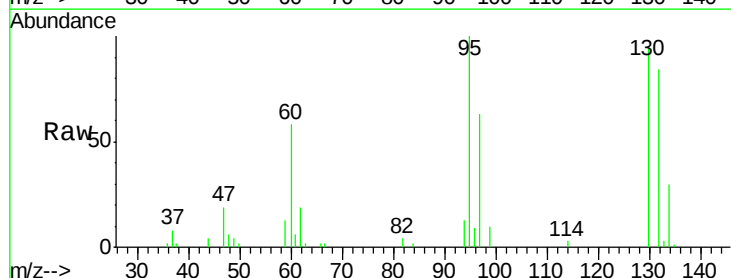


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

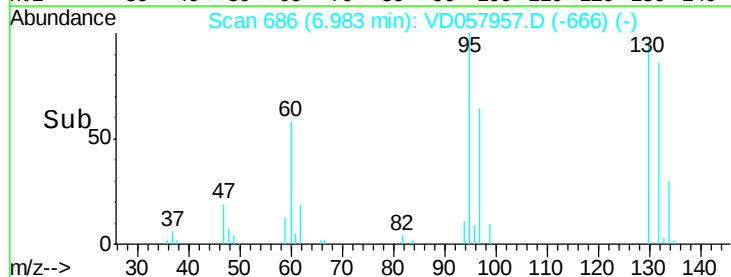
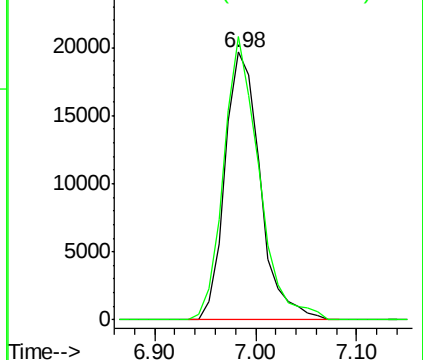


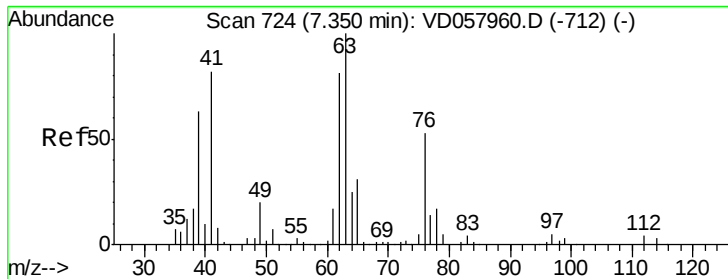
#44
Trichloroethene
Concen: 4.98 ug/l
RT: 6.98 min Scan# 686
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion: 130 Resp: 47643
Ion Ratio Lower Upper
130 100
95 105.7 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 4.91 ug/l

RT: 7.35 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

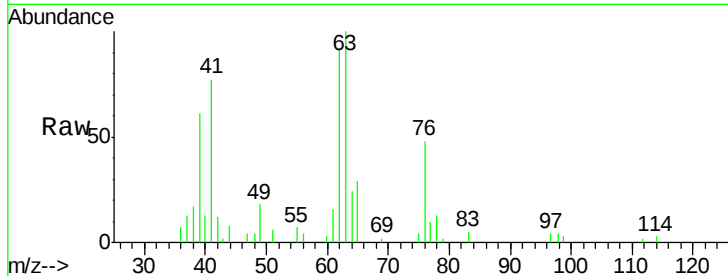
VSTDIC005

Tgt Ion: 63 Resp: 44726

Ion Ratio Lower Upper

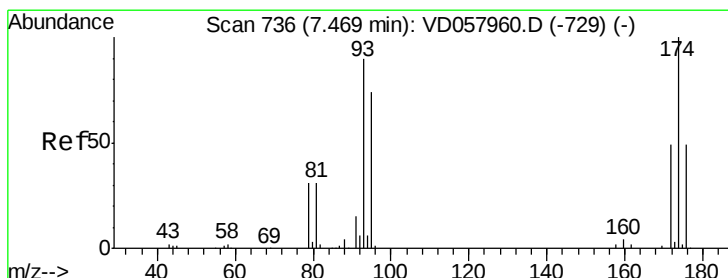
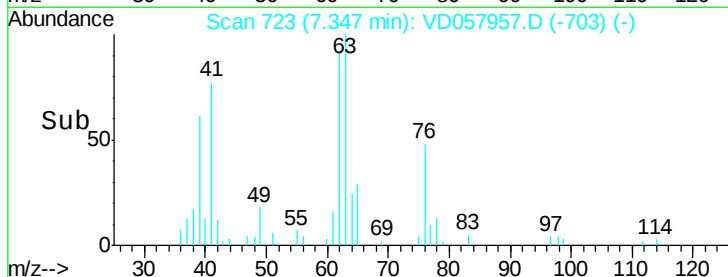
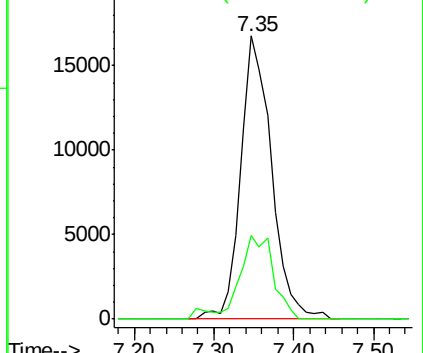
63 100

65 29.5 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 5.00 ug/l

RT: 7.47 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

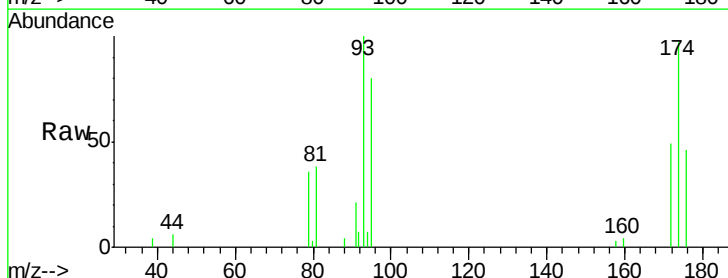
Tgt Ion: 93 Resp: 29258

Ion Ratio Lower Upper

93 100

95 79.9 65.7 98.5

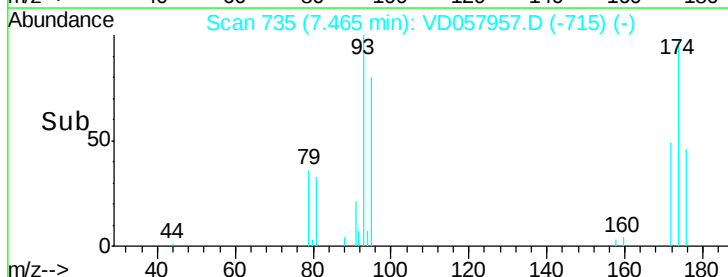
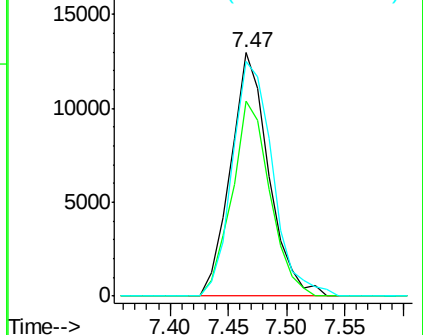
174 96.5 89.0 133.4

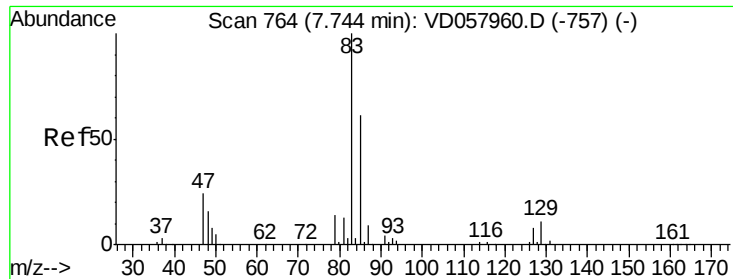


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 4.62 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

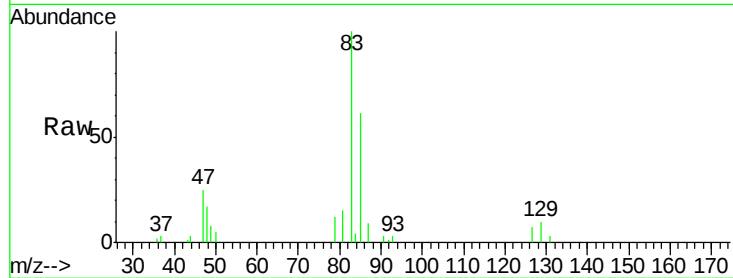
Tgt Ion: 83 Resp: 63284

Ion Ratio Lower Upper

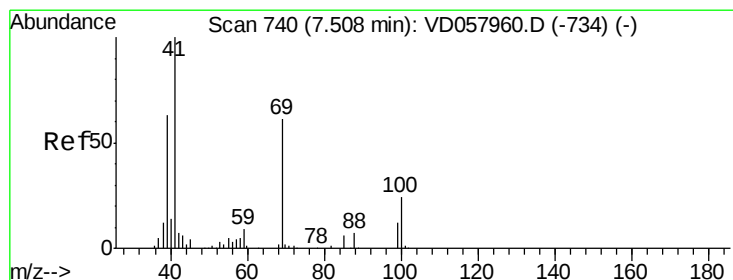
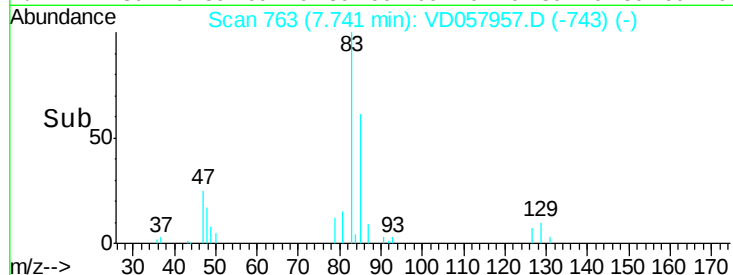
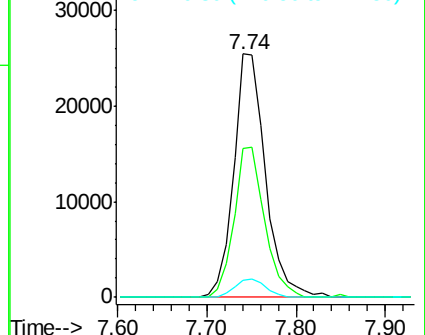
83 100

85 61.2 49.1 73.7

127 7.1 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: 4.79 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

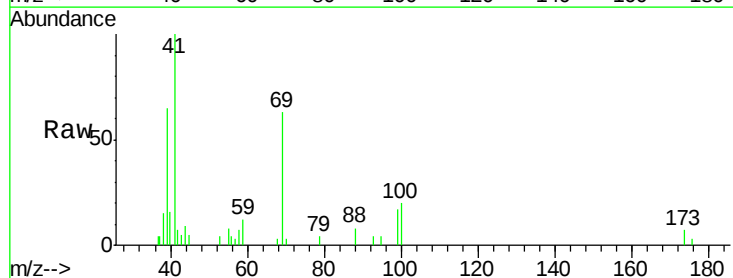
Tgt Ion: 41 Resp: 29551

Ion Ratio Lower Upper

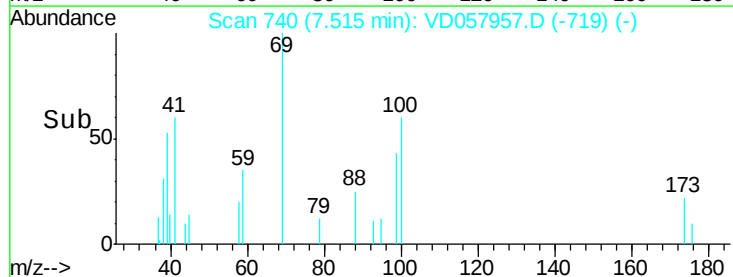
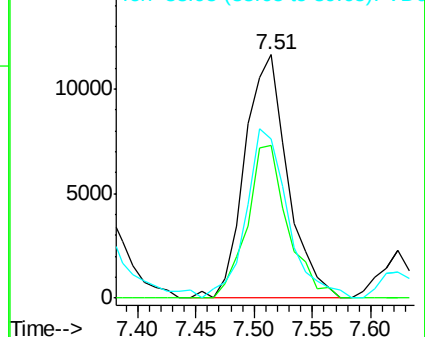
41 100

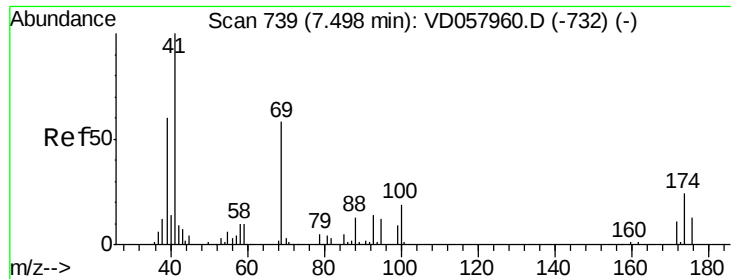
69 63.0 48.0 72.0

39 65.1 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: 102.39 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

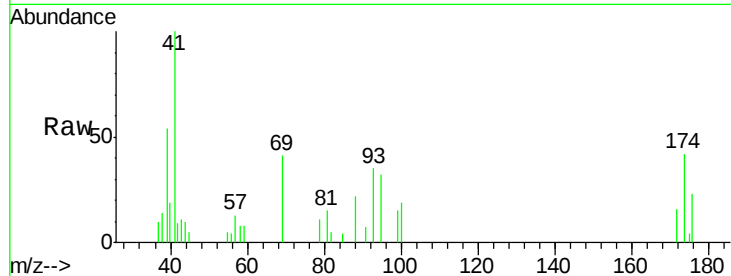
Tgt Ion: 88 Resp: 5233

Ion Ratio Lower Upper

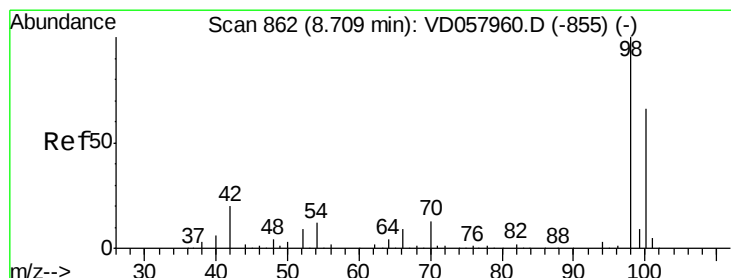
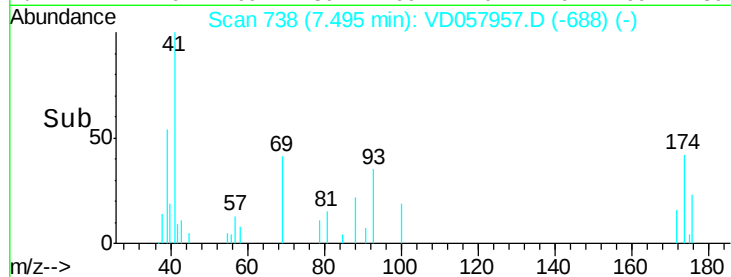
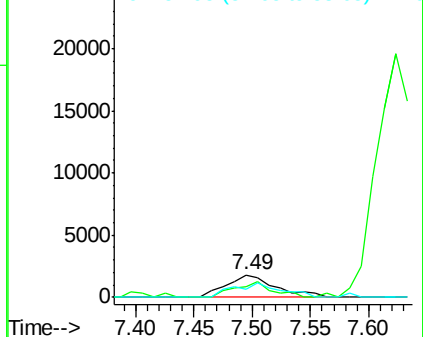
88 100

43 49.3 46.6 69.8

58 35.9 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: 102.39 ug/l

RT: 8.72 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD057957.D

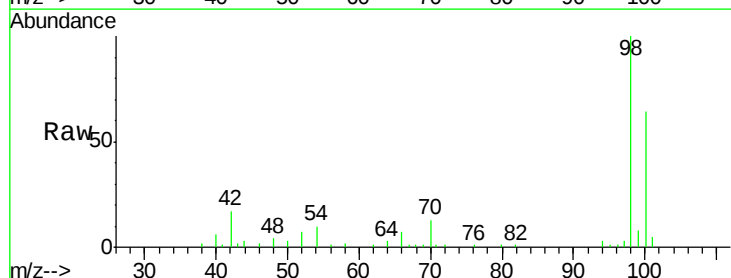
Acq: 6 Jun 2018 17:54

Tgt Ion: 98 Resp: 120793

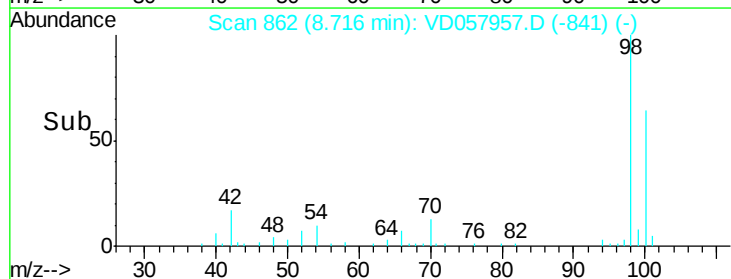
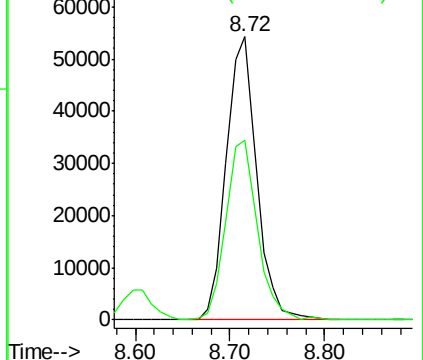
Ion Ratio Lower Upper

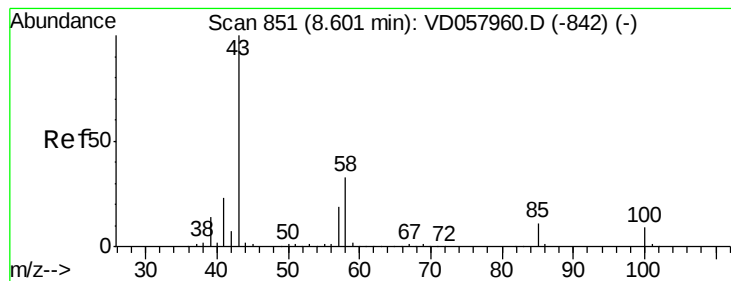
98 100

100 63.6 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: 26.65 ug/l

RT: 8.60 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

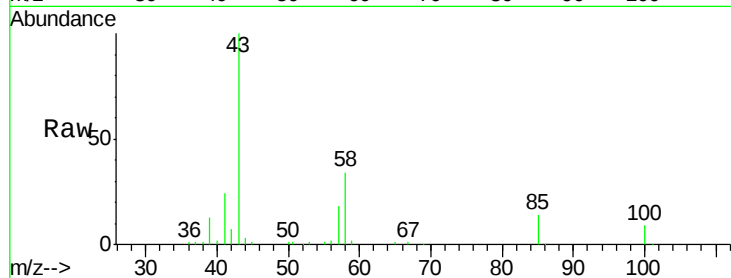
VSTDIC005

Tgt Ion: 43 Resp: 171352

Ion Ratio Lower Upper

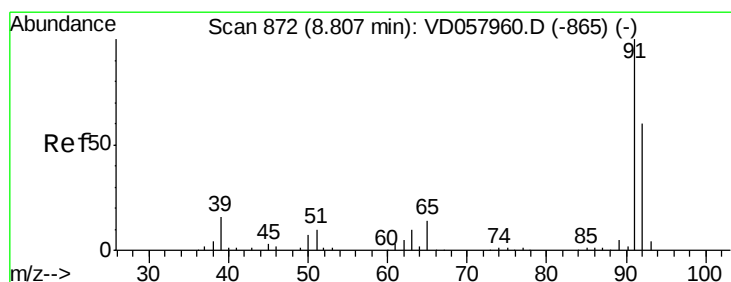
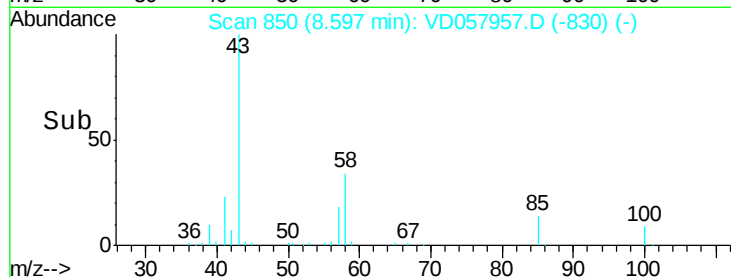
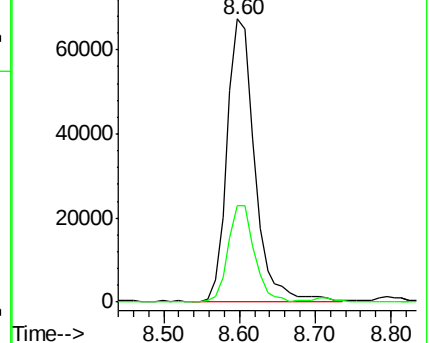
43 100

58 34.2 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: 5.46 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD057957.D

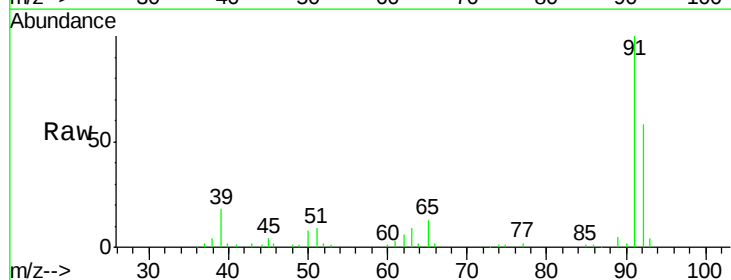
Acq: 6 Jun 2018 17:54

Tgt Ion: 92 Resp: 102616

Ion Ratio Lower Upper

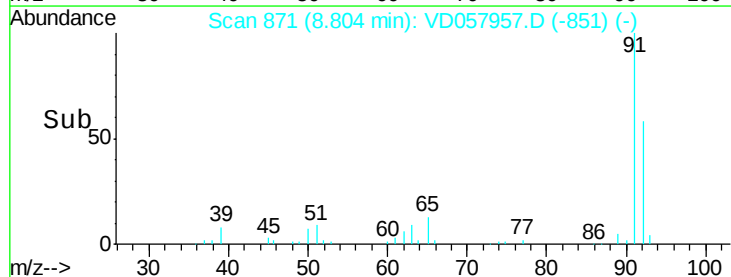
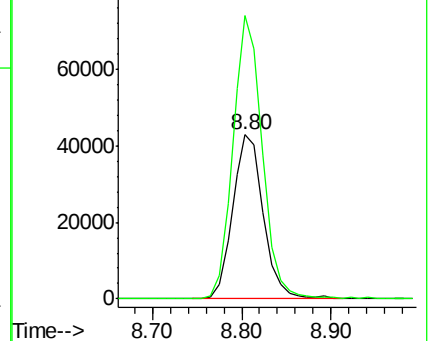
92 100

91 172.6 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

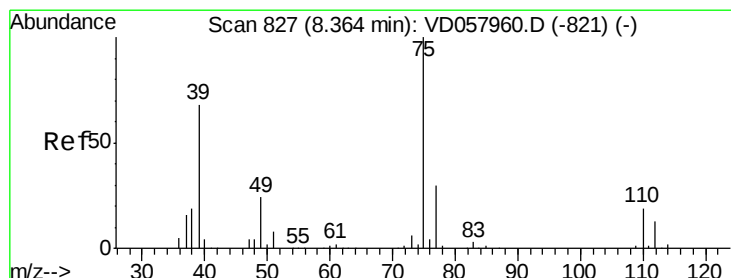
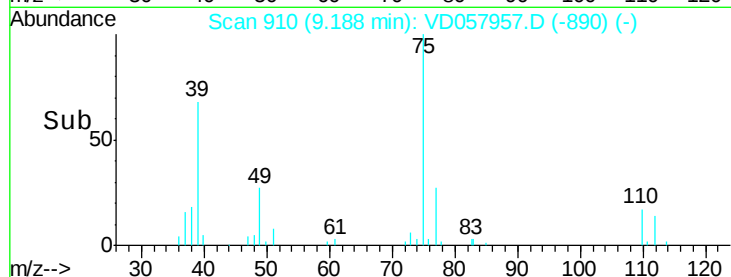
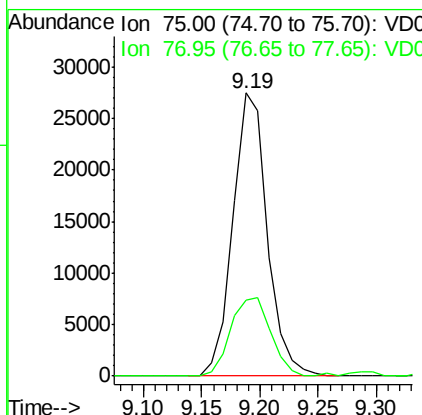
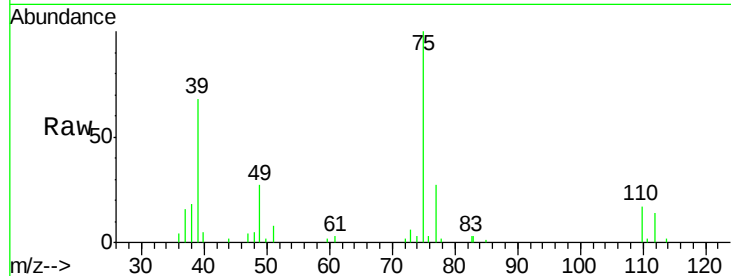




#53
 t-1,3-Dichloropropene
 Concen: 4.75 ug/l
 RT: 9.19 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

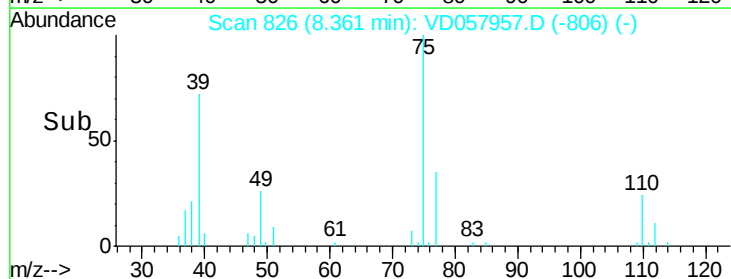
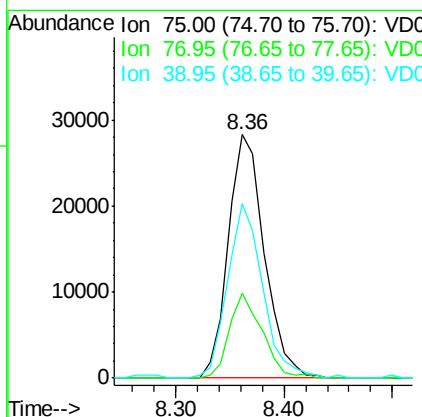
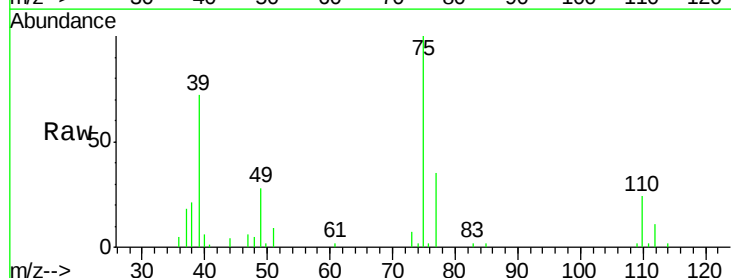
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

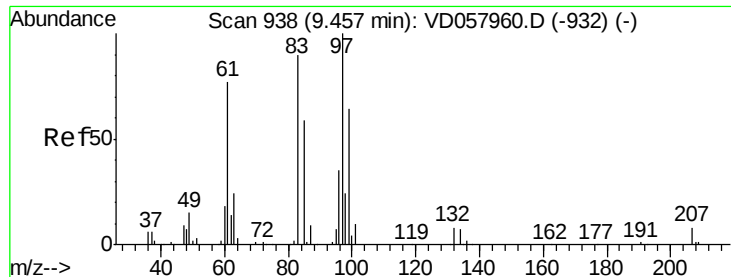
Tgt Ion: 75 Resp: 56098
 Ion Ratio Lower Upper
 75 100
 77 26.8 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 4.71 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

Tgt Ion: 75 Resp: 65461
 Ion Ratio Lower Upper
 75 100
 77 34.9 24.1 36.1
 39 71.9 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 5.15 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 31331

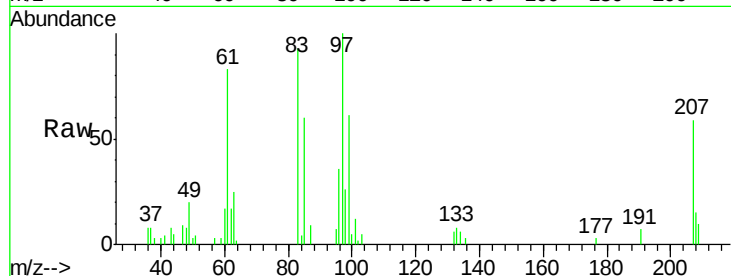
Ion Ratio Lower Upper

97 100

83 92.9 71.8 107.8

85 60.5 47.2 70.8

99 60.7 51.4 77.0

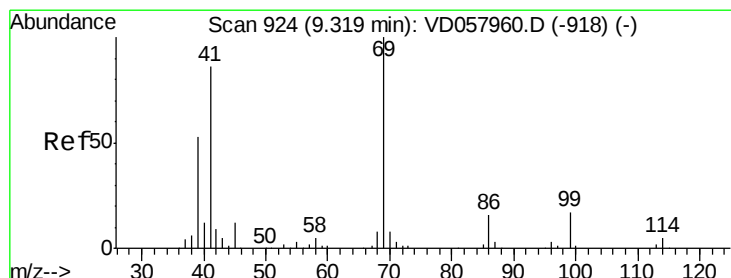
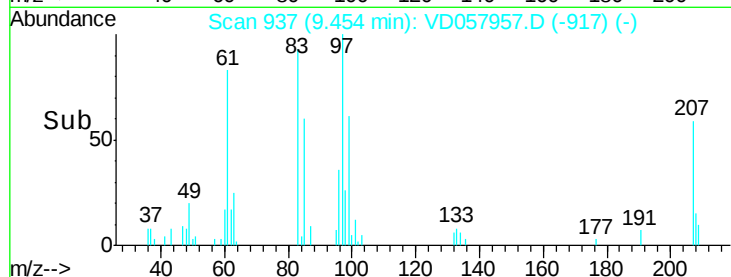
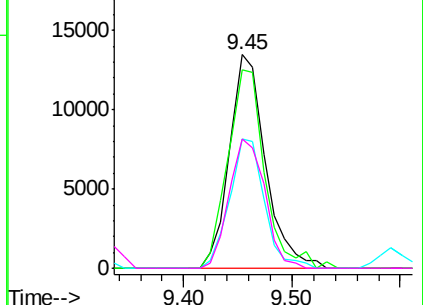


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 4.86 ug/l

RT: 9.32 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

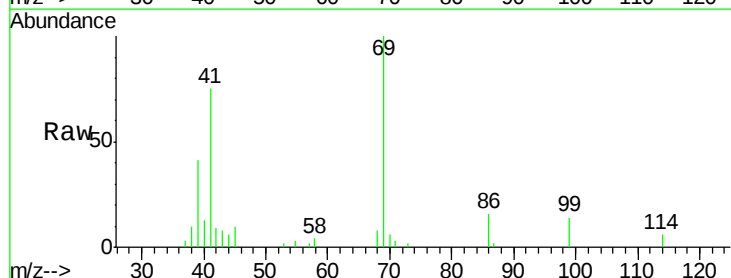
Tgt Ion: 69 Resp: 36268

Ion Ratio Lower Upper

69 100

41 74.8 68.4 102.6

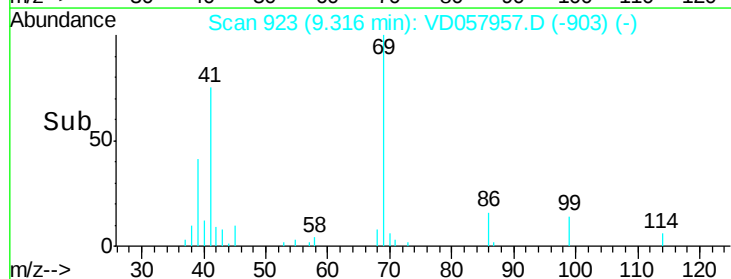
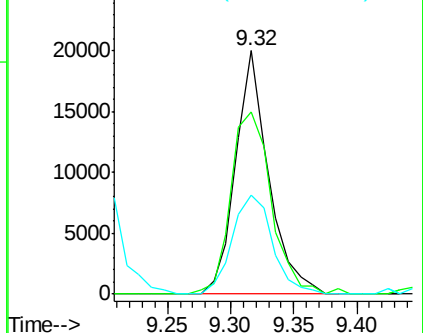
39 40.8 43.0 64.4#

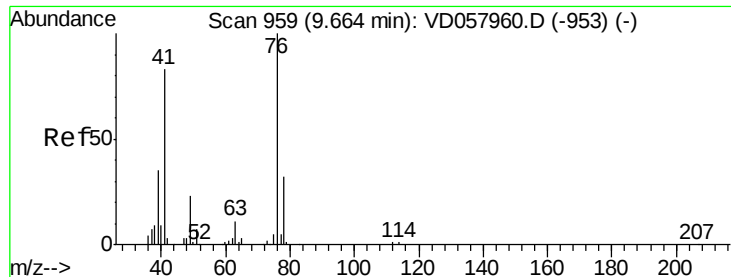


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

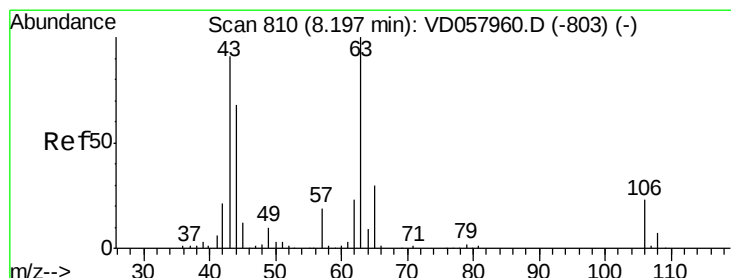
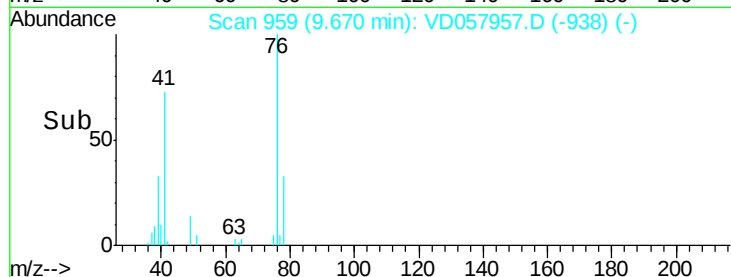
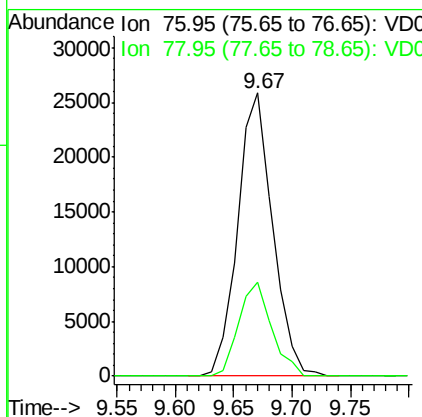
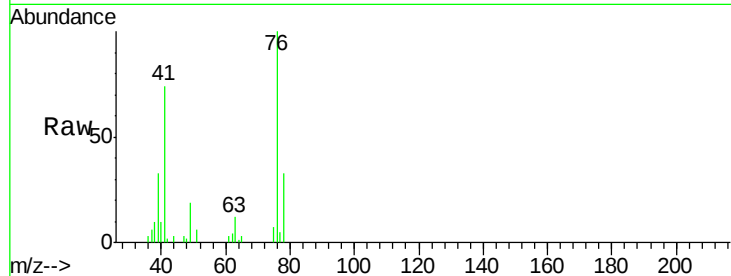




#57
 1,3-Dichloropropane
 Concen: 5.03 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

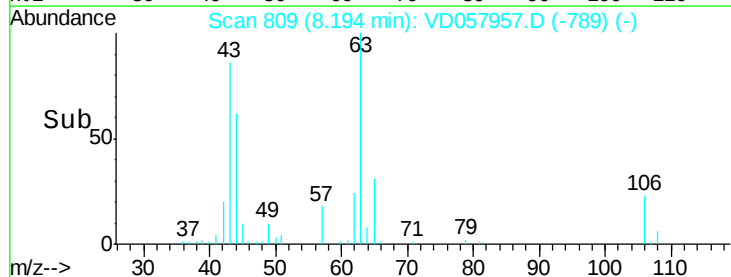
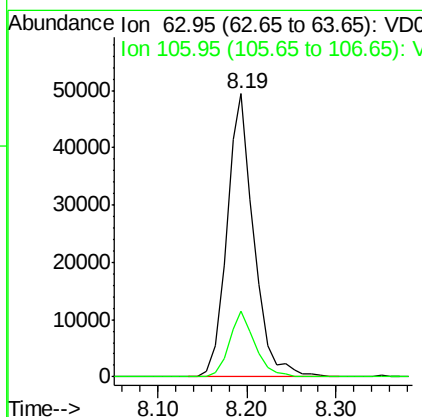
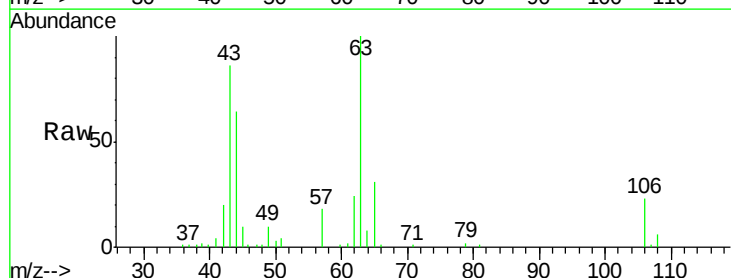
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

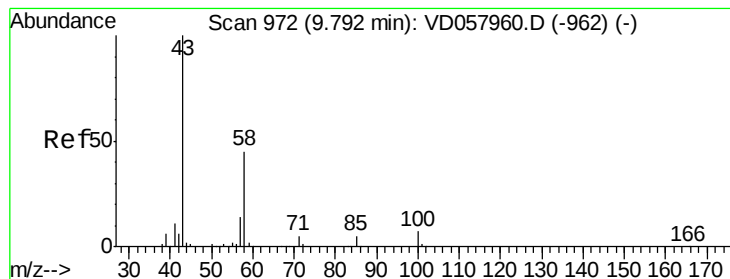
Tgt Ion: 76 Resp: 53705
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.56 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

Tgt Ion: 63 Resp: 103927
 Ion Ratio Lower Upper
 63 100
 106 23.2 18.7 28.1





#59

2-Hexanone

Concen: 24.93 ug/l

RT: 9.79 min Scan# 971

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

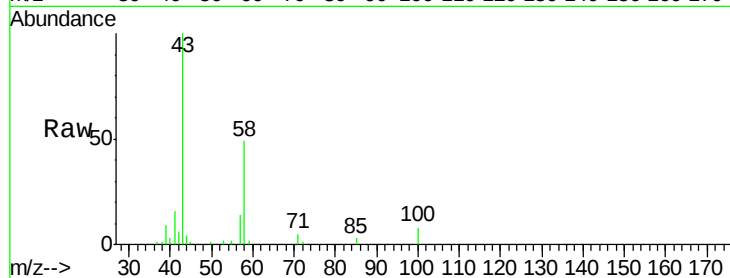
VSTDIC005

Tgt Ion: 43 Resp: 117437

Ion Ratio Lower Upper

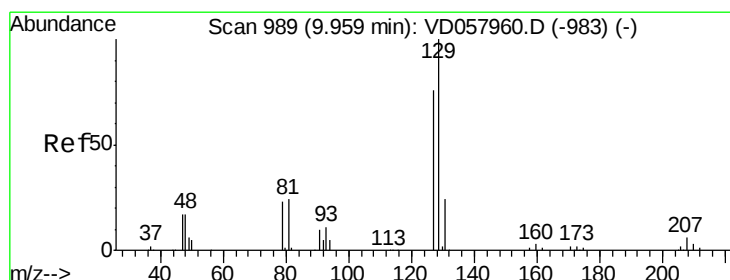
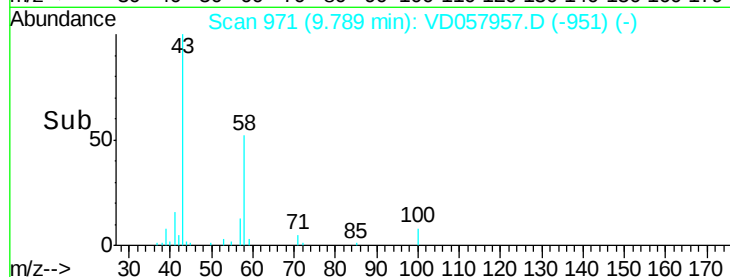
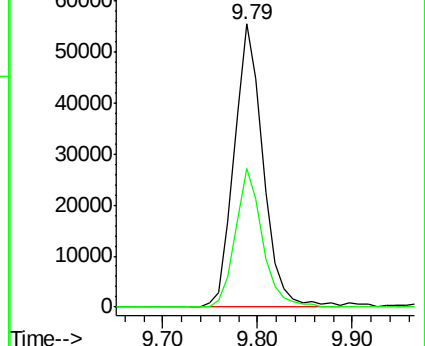
43 100

58 49.2 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 4.51 ug/l

RT: 9.96 min Scan# 988

Delta R.T. -0.00 min

Lab File: VD057957.D

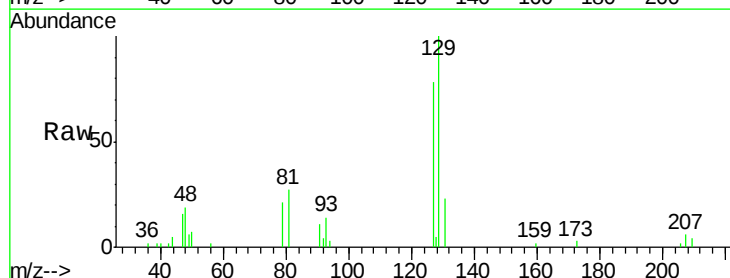
Acq: 6 Jun 2018 17:54

Tgt Ion: 129 Resp: 38724

Ion Ratio Lower Upper

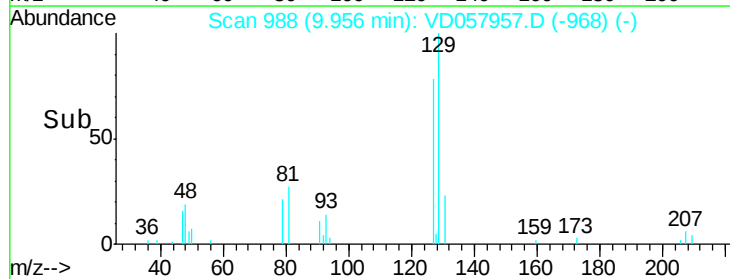
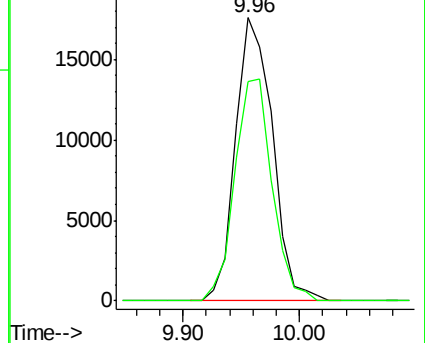
129 100

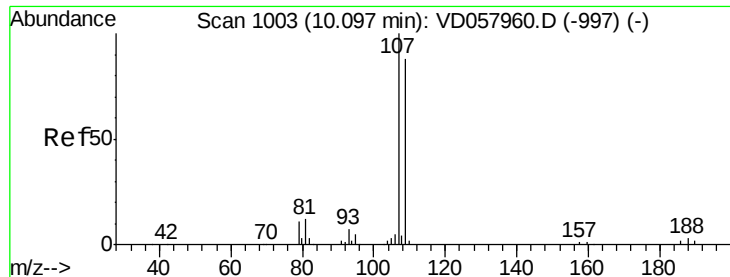
127 77.5 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 4.99 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

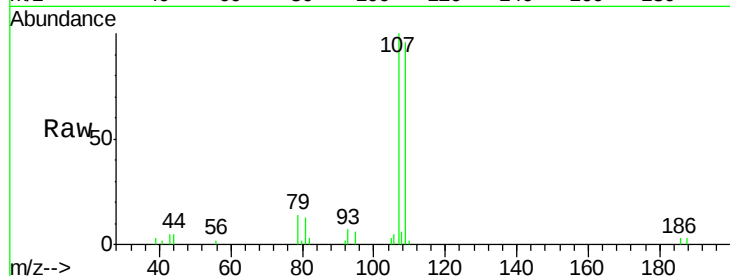
VSTDIC005

Tgt Ion: 107 Resp: 34953

Ion Ratio Lower Upper

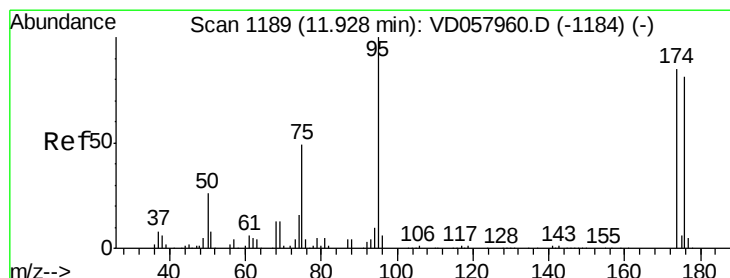
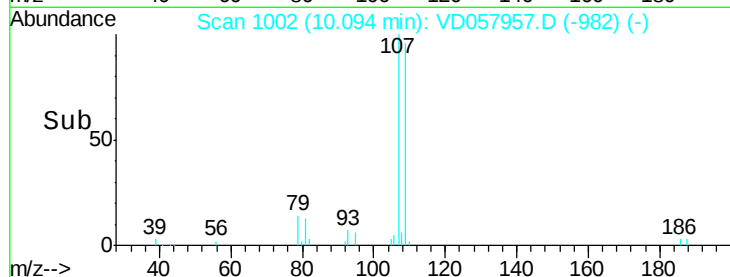
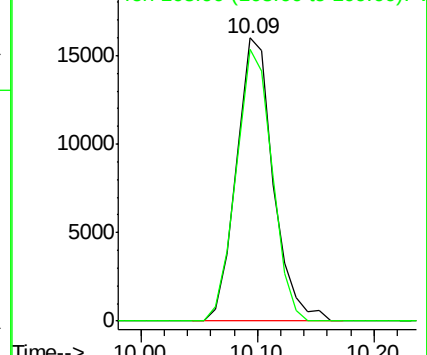
107 100

109 96.1 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 4.99 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

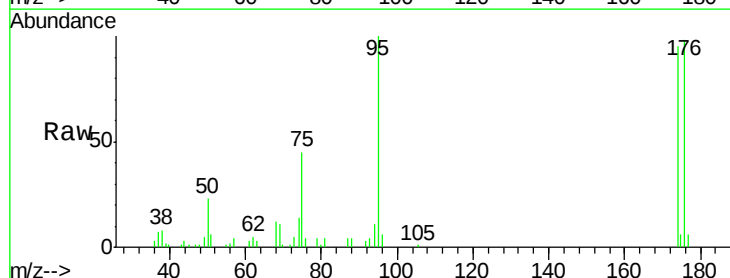
Tgt Ion: 95 Resp: 54463

Ion Ratio Lower Upper

95 100

174 95.0 0.0 169.4

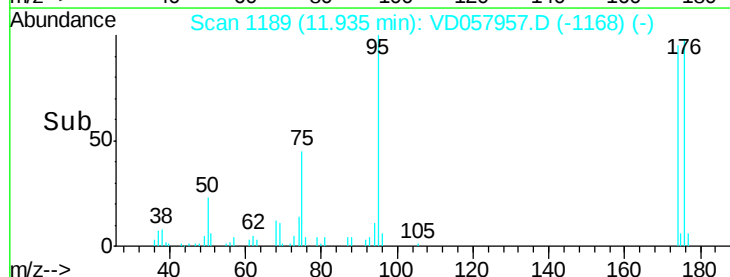
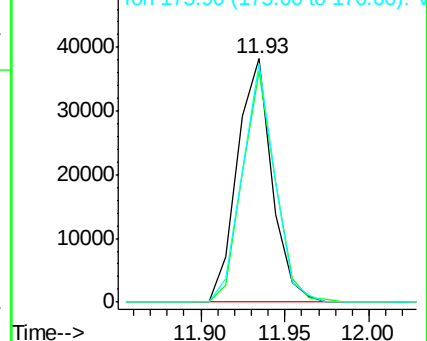
176 98.0 0.0 162.6

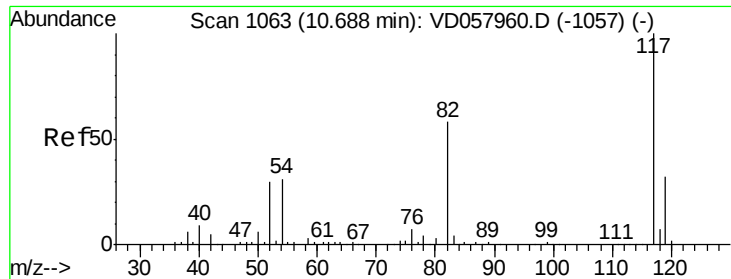


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

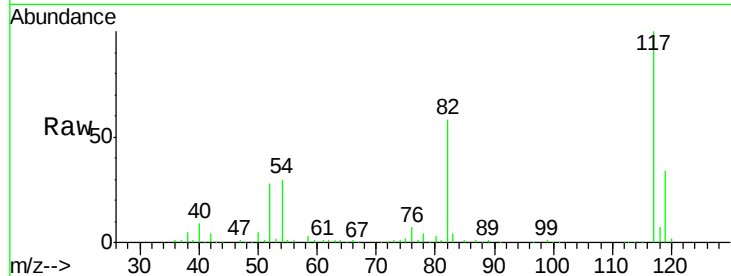




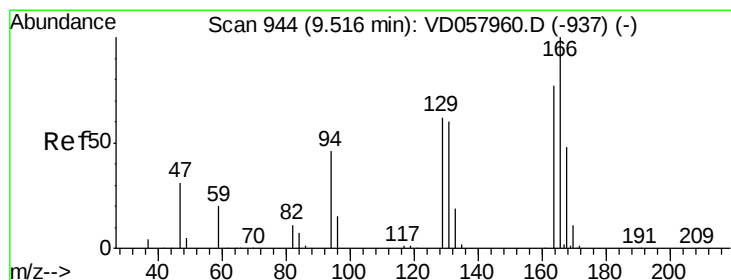
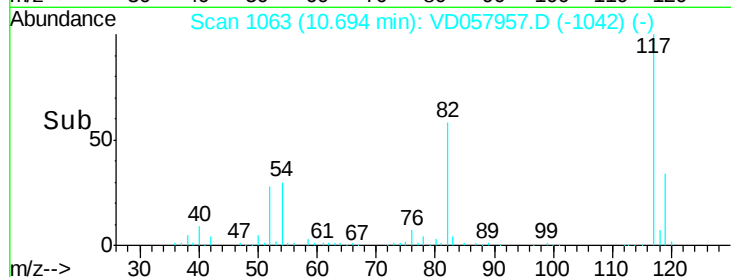
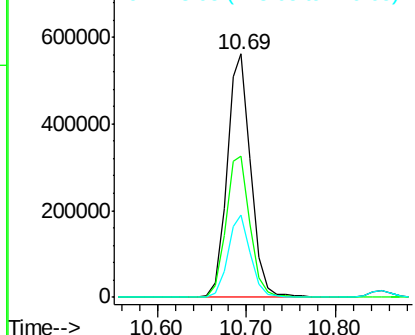
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 1044656
Ion Ratio Lower Upper
117 100
82 58.0 46.8 70.2
119 33.7 25.8 38.6

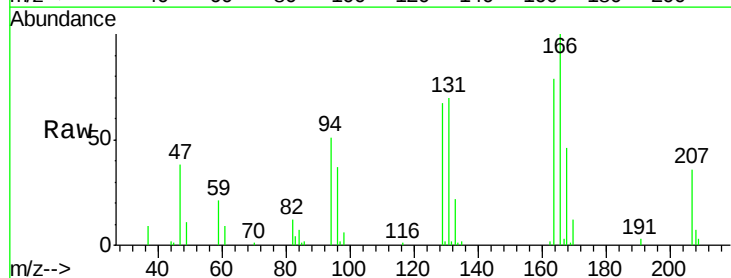


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

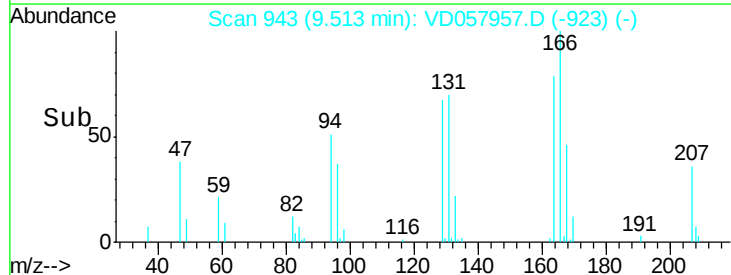
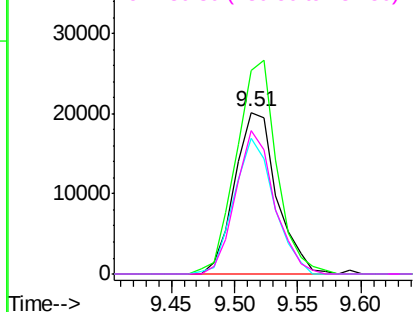


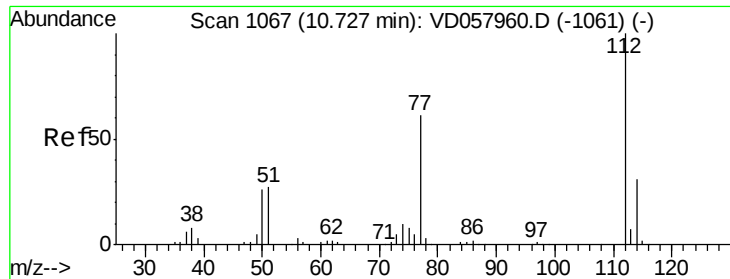
#64
Tetrachloroethene
Concen: 4.99 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion:164 Resp: 46594
Ion Ratio Lower Upper
164 100
166 126.2 104.4 156.6
129 84.1 65.0 97.6
131 88.3 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

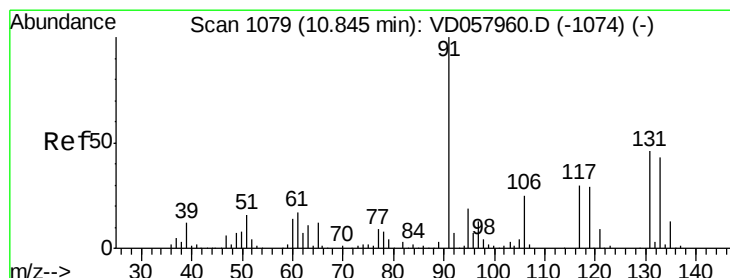
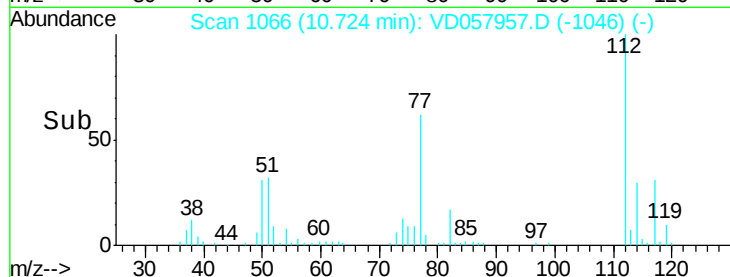
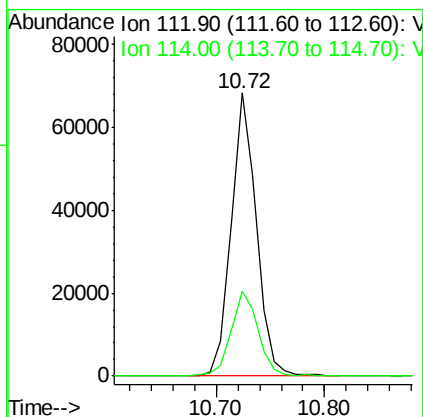
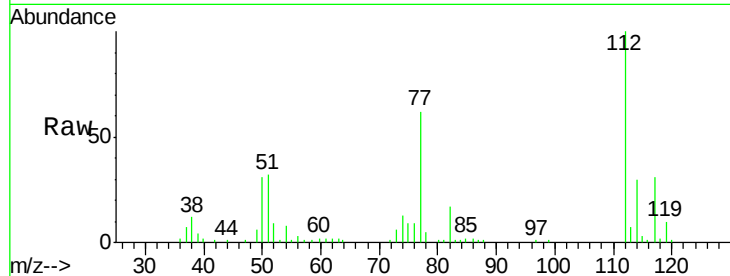




#65
Chlorobenzene
Concen: 5.22 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

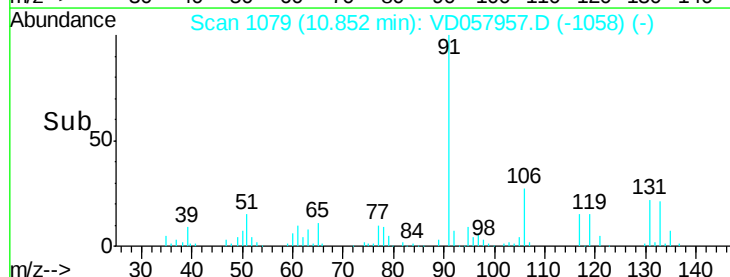
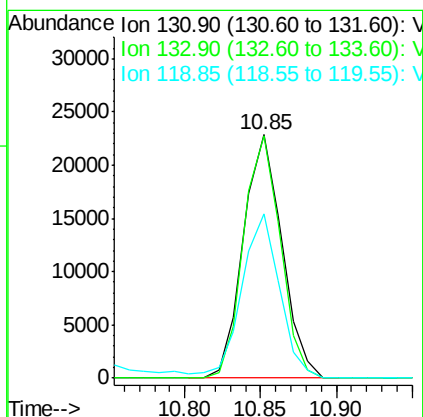
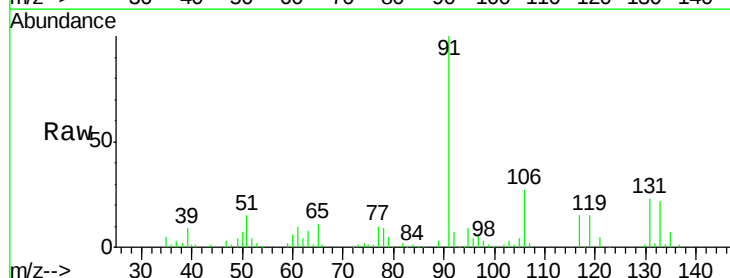
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

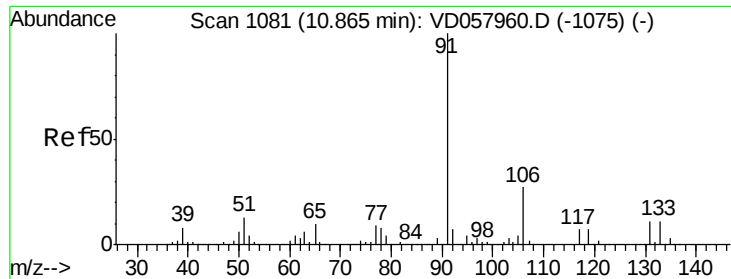
Tgt Ion:112 Resp: 110353
Ion Ratio Lower Upper
112 100
114 30.2 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 5.01 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion:131 Resp: 40711
Ion Ratio Lower Upper
131 100
133 99.5 46.9 140.6
119 67.5 31.8 95.3

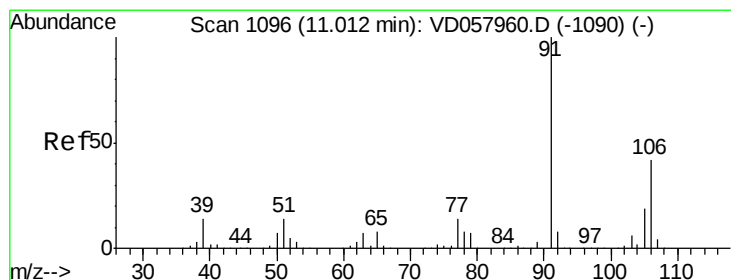
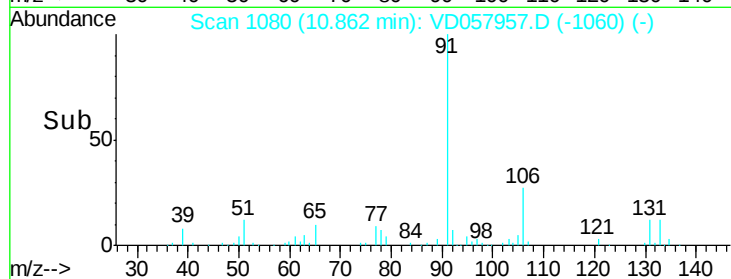
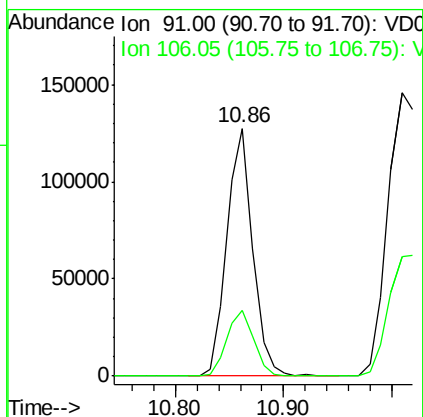
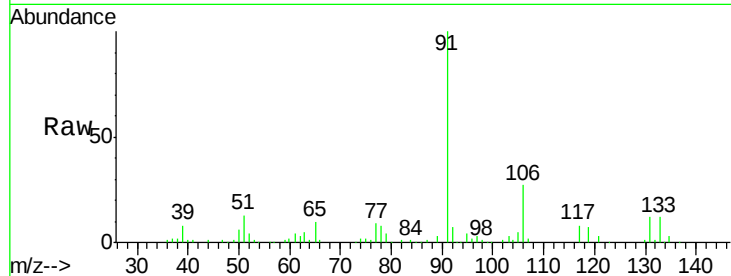




#67
Ethyl Benzene
Concen: 5.56 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

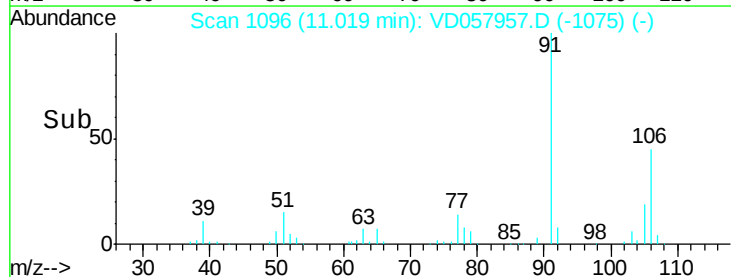
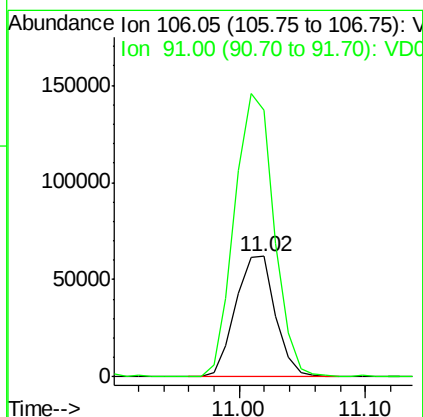
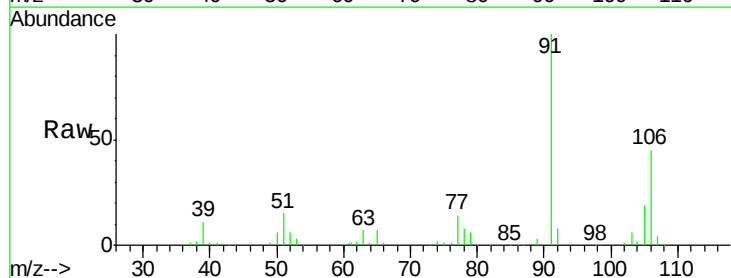
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

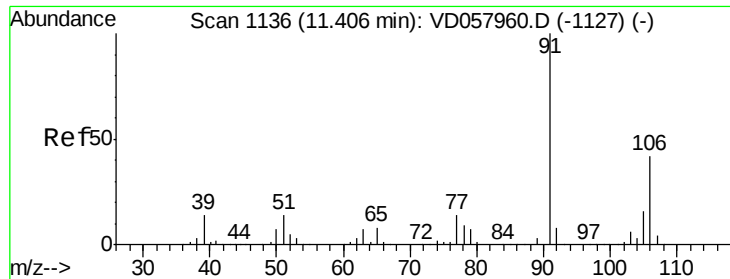
Tgt Ion: 91 Resp: 212544
Ion Ratio Lower Upper
91 100
106 26.5 21.5 32.3



#68
m/p-Xylenes
Concen: 10.87 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion: 106 Resp: 135405
Ion Ratio Lower Upper
106 100
91 221.9 190.4 285.6

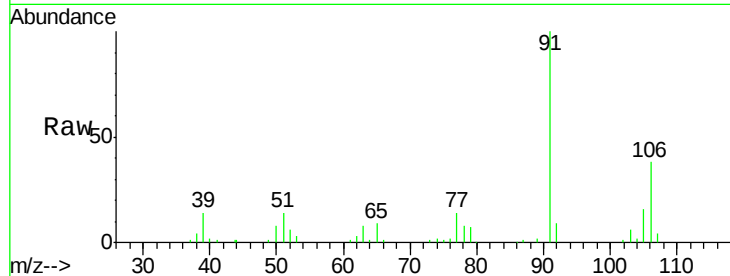




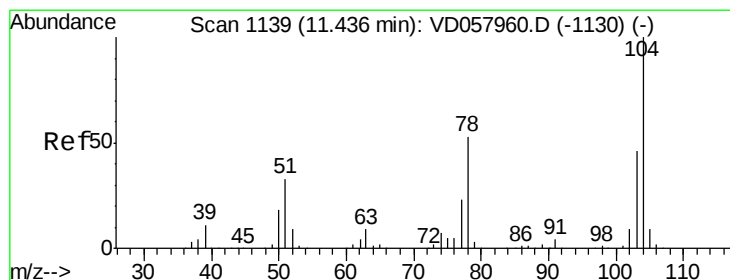
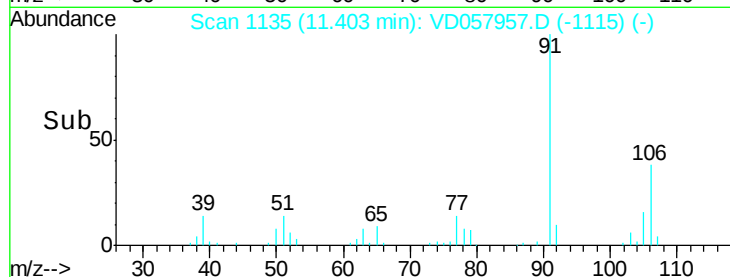
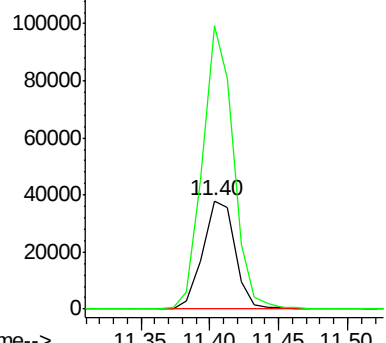
#69
o-Xylene
Concen: 5.06 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 62609
Ion Ratio Lower Upper
106 100
91 261.7 120.6 361.7

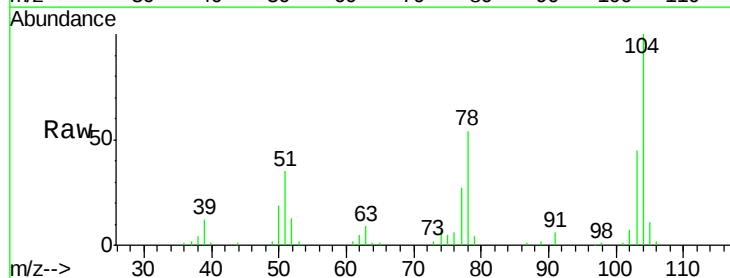


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

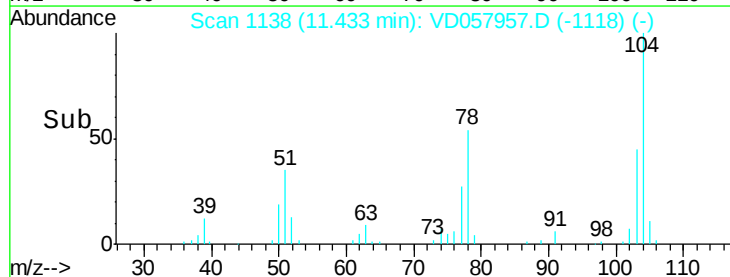
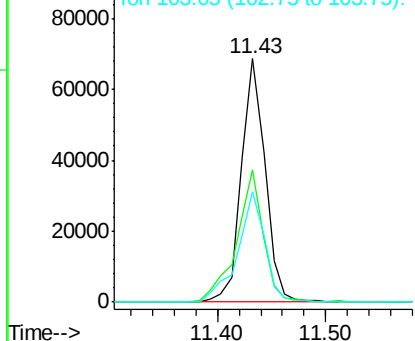


#70
Styrene
Concen: 5.14 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion:104 Resp: 105165
Ion Ratio Lower Upper
104 100
78 54.5 42.1 63.1
103 45.4 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: 4.12 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

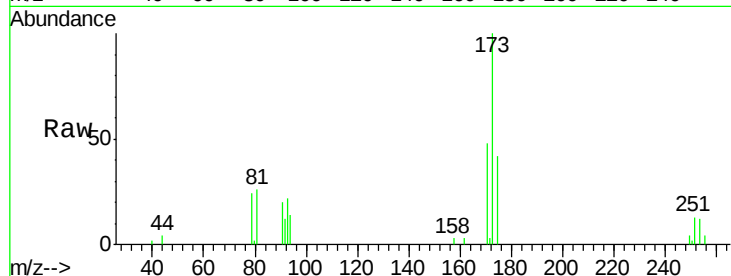
Tgt Ion:173 Resp: 25189

Ion Ratio Lower Upper

173 100

175 42.3 25.1 75.2

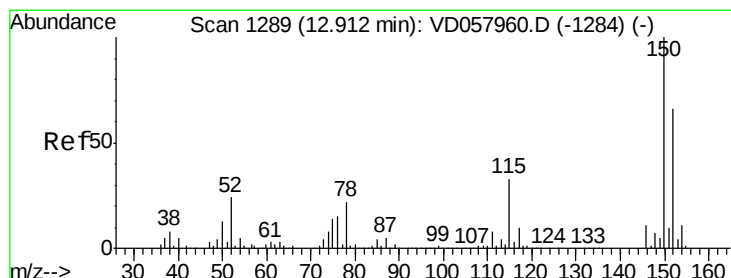
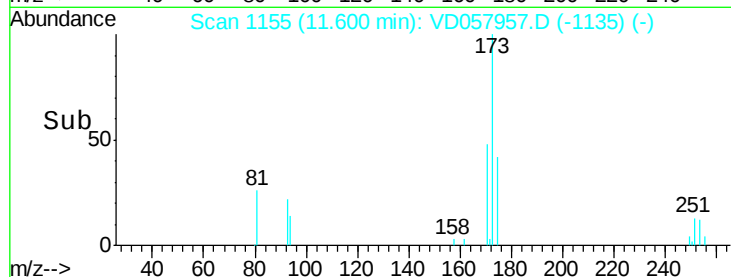
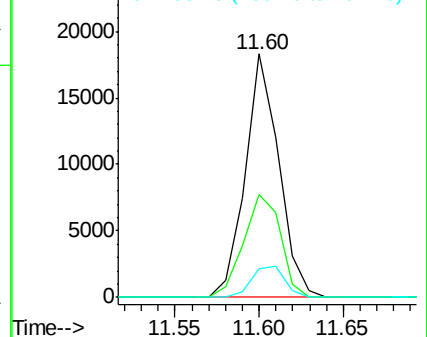
254 12.0 10.7 16.1



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: 50.00 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

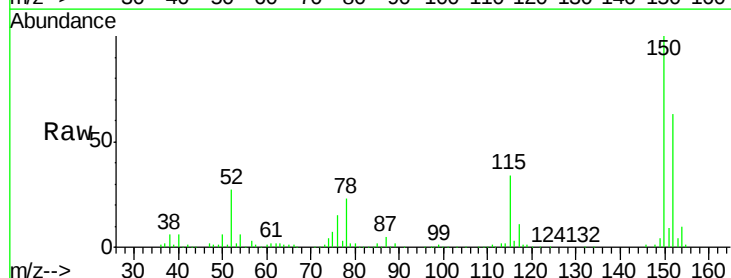
Tgt Ion:152 Resp: 509862

Ion Ratio Lower Upper

152 100

115 54.0 25.6 76.6

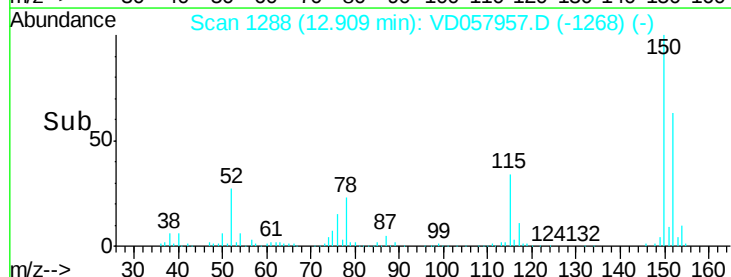
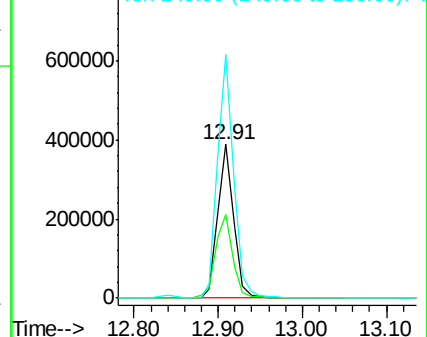
150 158.2 0.0 306.8

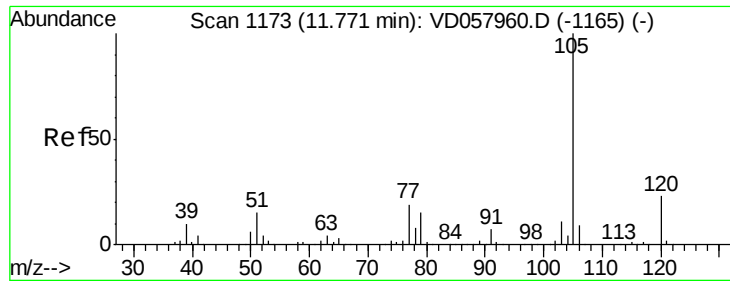


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.30 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

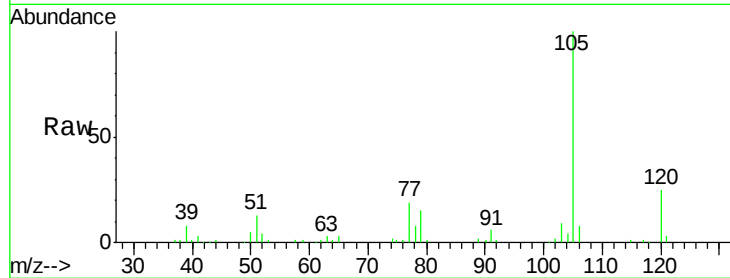
VSTDIC005

Tgt Ion: 105 Resp: 178865

Ion Ratio Lower Upper

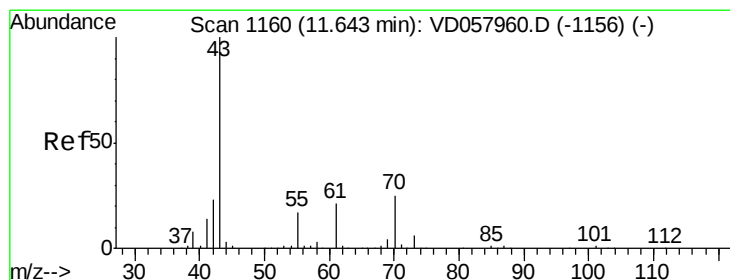
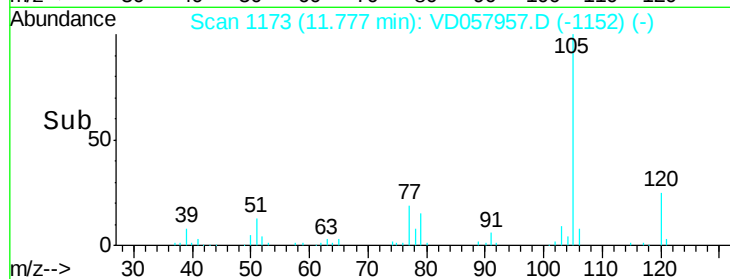
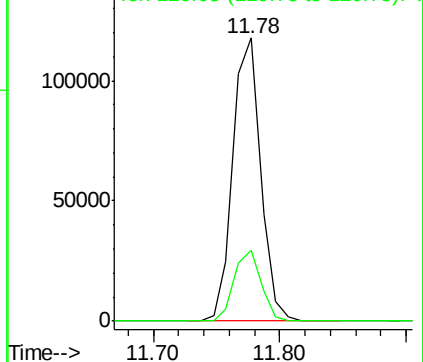
105 100

120 25.2 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: 5.02 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Tgt Ion: 43 Resp: 65357

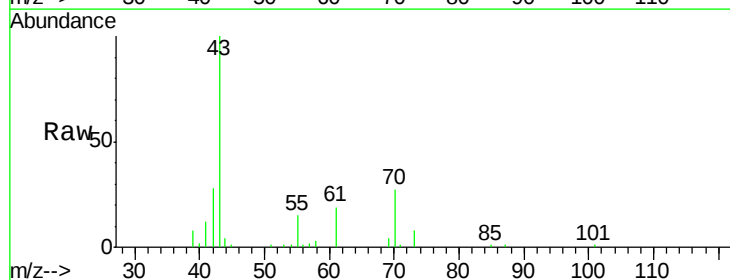
Ion Ratio Lower Upper

43 100

70 27.0 20.3 30.5

55 15.5 13.9 20.9

61 19.4 16.6 24.8

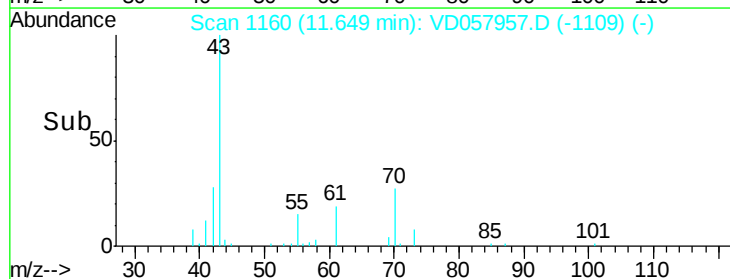
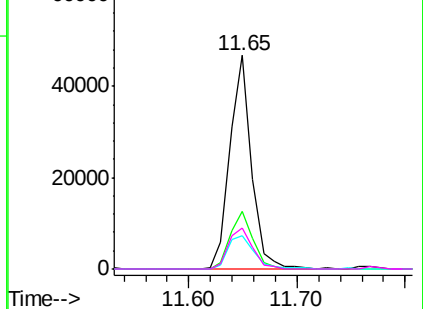


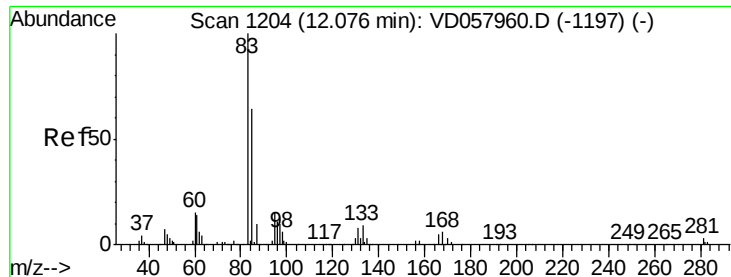
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.22 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

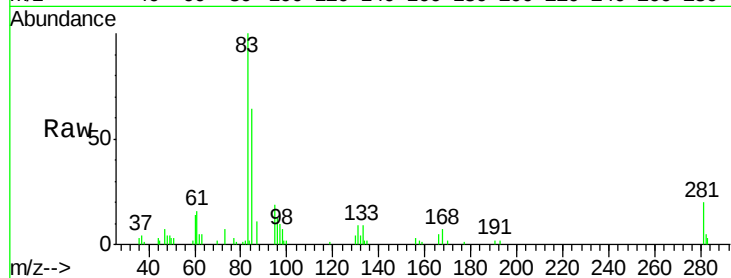
Tgt Ion: 83 Resp: 38399

Ion Ratio Lower Upper

83 100

131 9.1 4.2 12.6

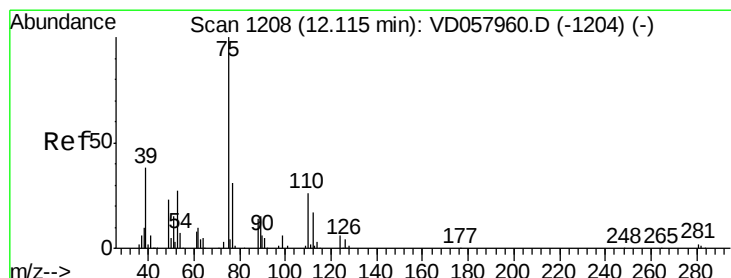
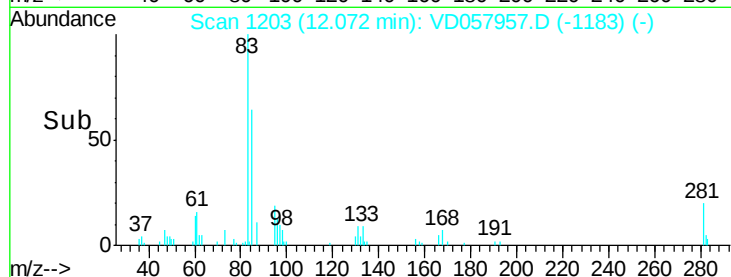
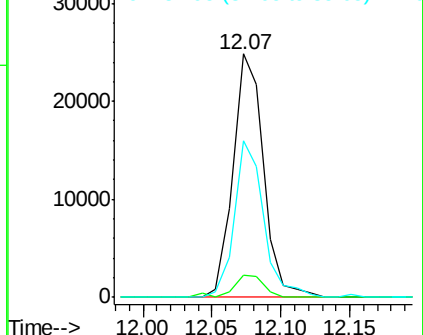
85 64.3 31.9 95.5



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: 5.07 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD057957.D

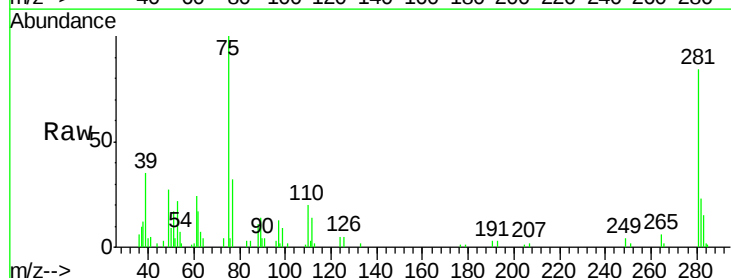
Acq: 6 Jun 2018 17:54

Tgt Ion: 75 Resp: 38825

Ion Ratio Lower Upper

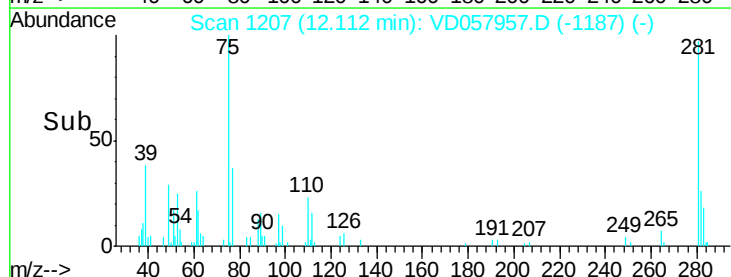
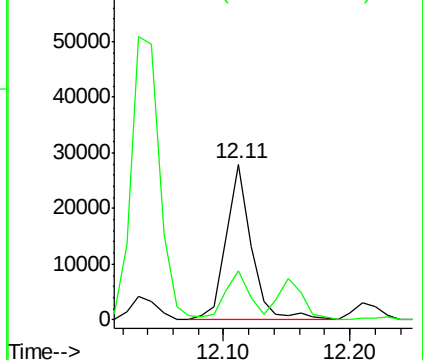
75 100

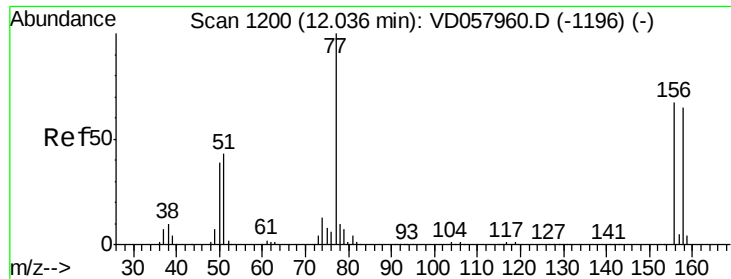
77 32.0 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 5.23 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

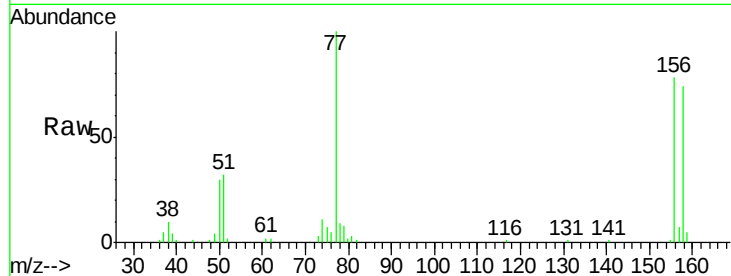
Tgt Ion:156 Resp: 52311

Ion Ratio Lower Upper

156 100

77 127.6 75.0 224.8

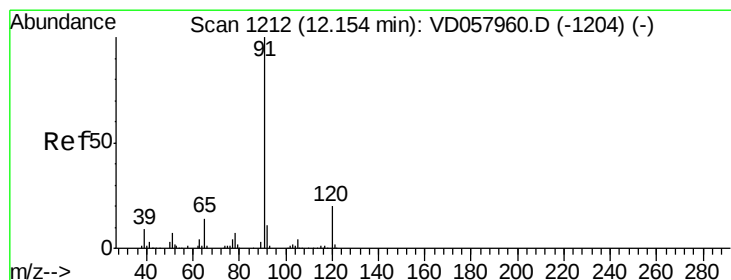
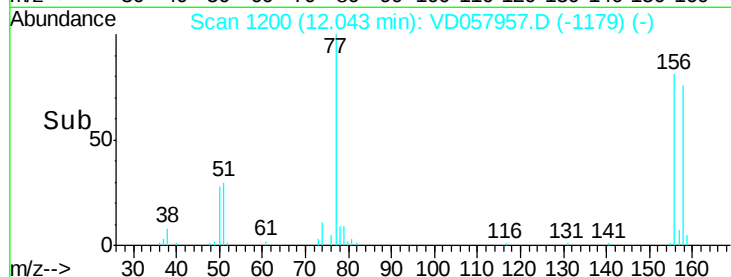
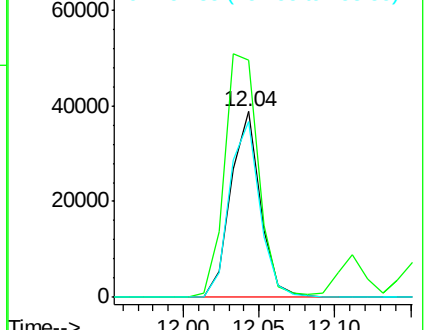
158 94.4 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.60 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD057957.D

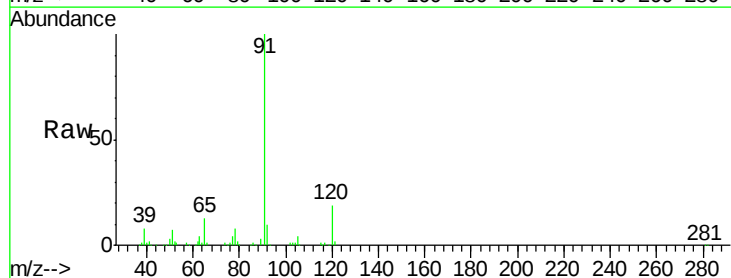
Acq: 6 Jun 2018 17:54

Tgt Ion: 91 Resp: 246070

Ion Ratio Lower Upper

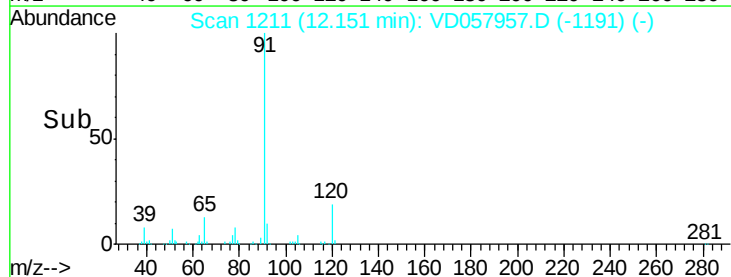
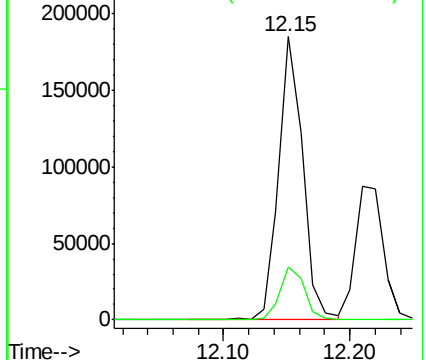
91 100

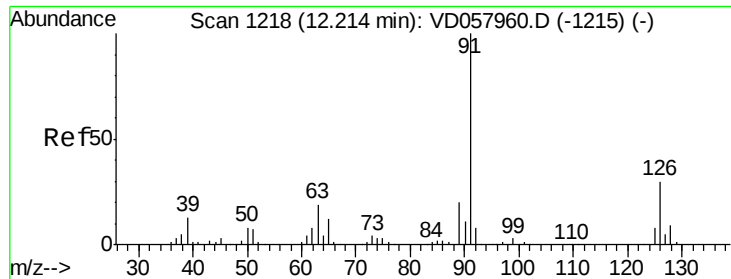
120 18.8 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

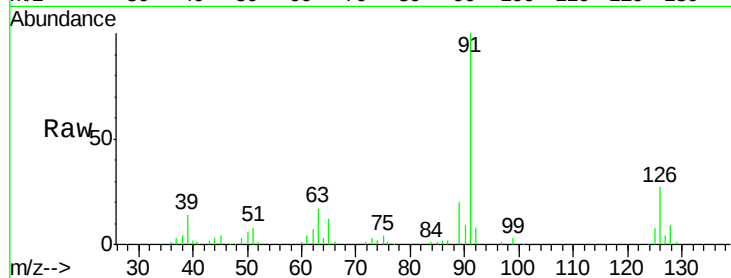




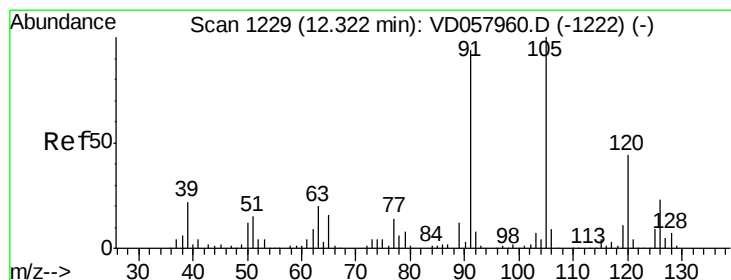
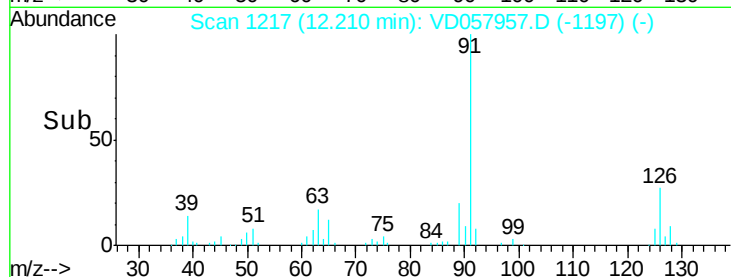
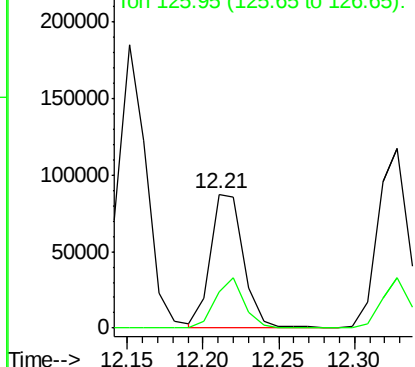
#79
2-Chlorotoluene
Concen: 5.32 ug/l
RT: 12.21 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 133330
Ion Ratio Lower Upper
91 100
126 27.2 14.6 44.0

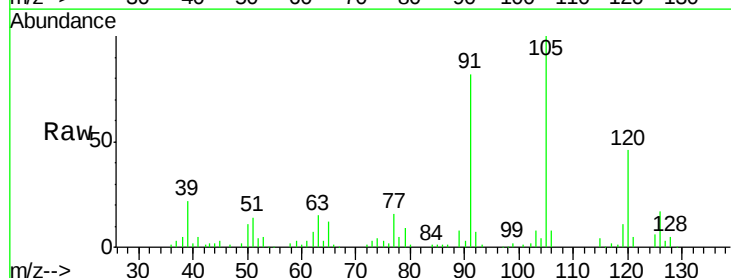


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

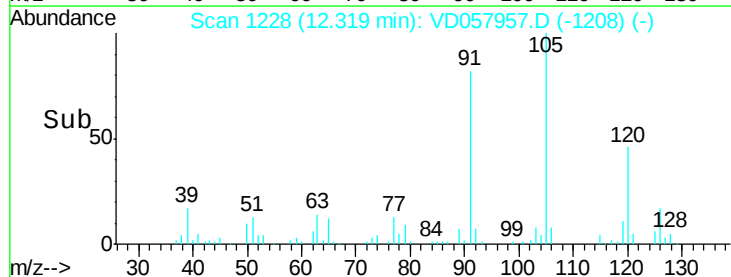
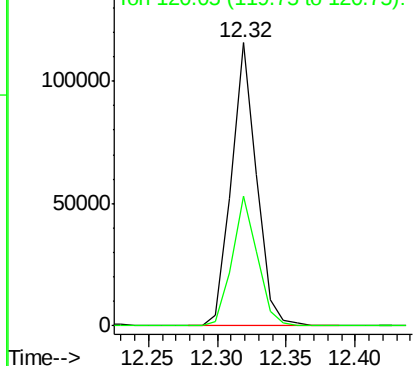


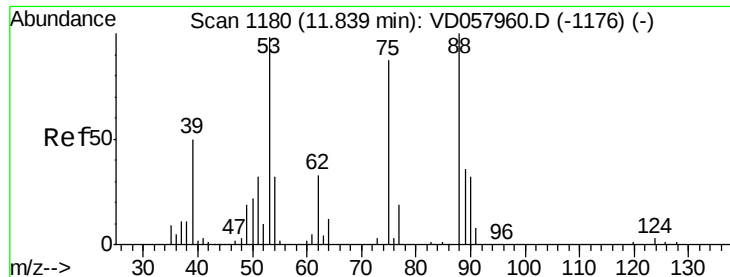
#80
1,3,5-Trimethylbenzene
Concen: 4.54 ug/l
RT: 12.32 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion: 105 Resp: 146907
Ion Ratio Lower Upper
105 100
120 45.9 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: 4.16 ug/l

RT: 11.85 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

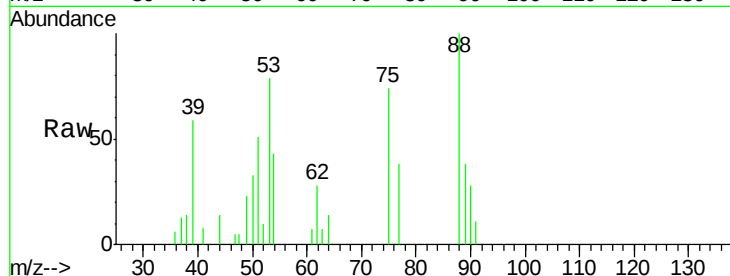
Tgt Ion: 75 Resp: 7897

Ion Ratio Lower Upper

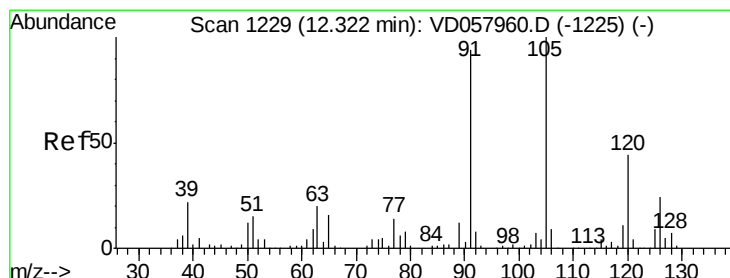
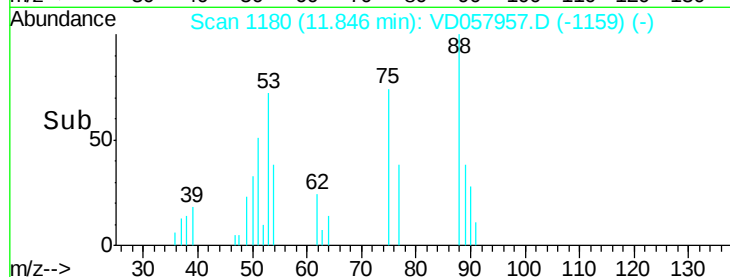
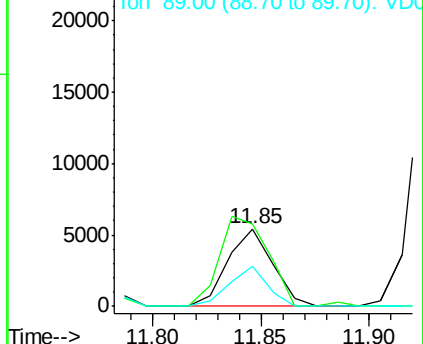
75 100

53 107.3 89.3 133.9

89 51.7 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: 6.09 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD057957.D

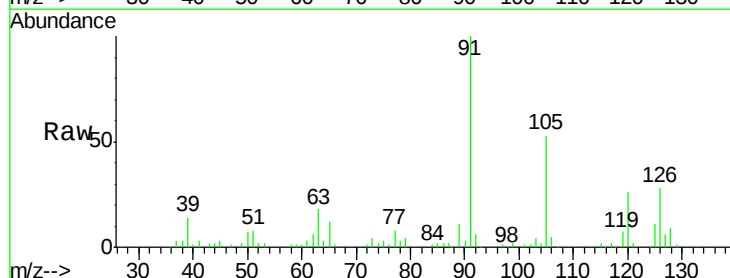
Acq: 6 Jun 2018 17:54

Tgt Ion: 91 Resp: 166850

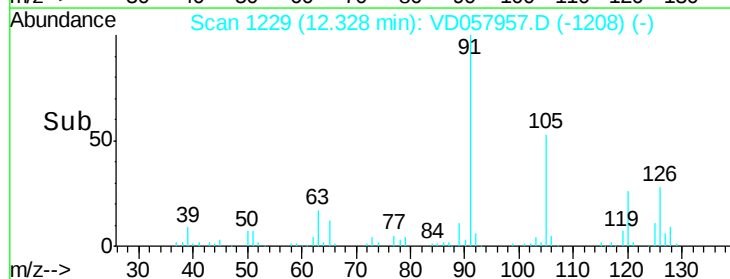
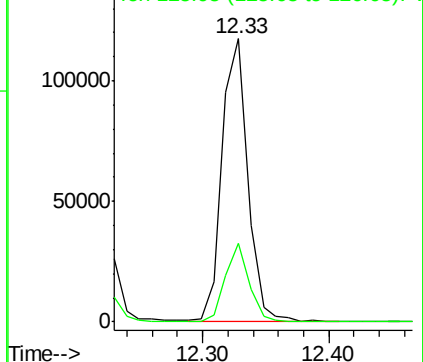
Ion Ratio Lower Upper

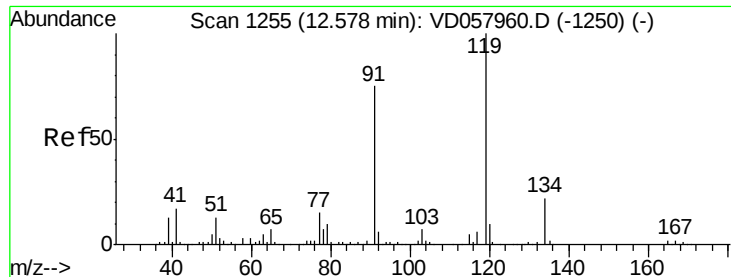
91 100

126 27.9 12.5 37.5



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

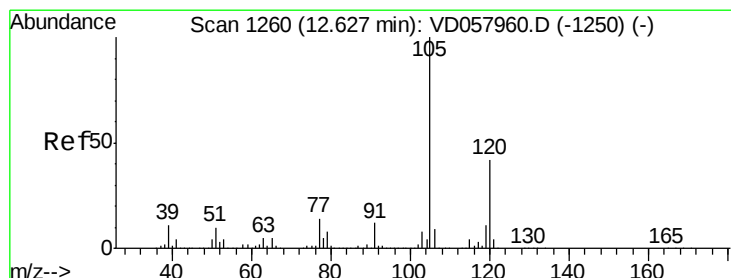
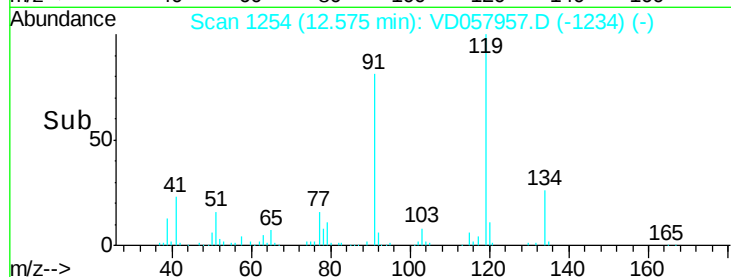
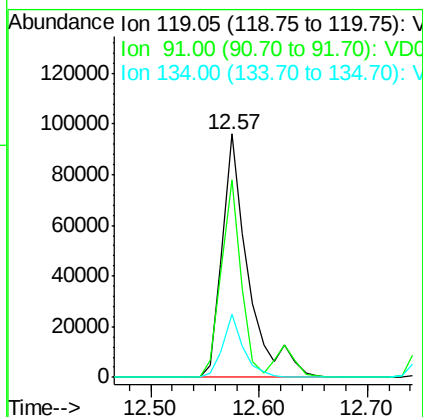
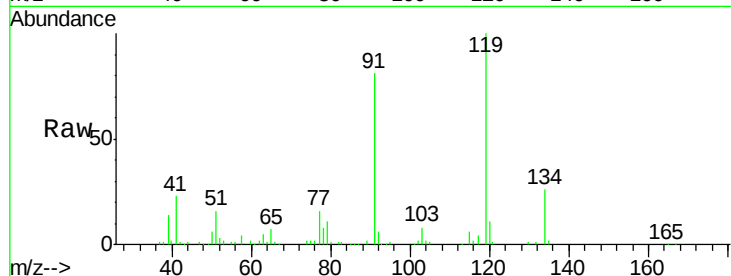




#83
 tert-Butylbenzene
 Concen: 5.39 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

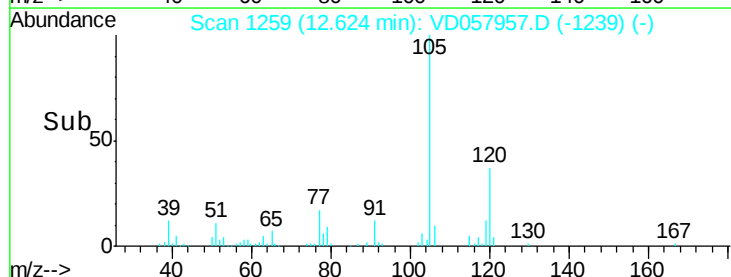
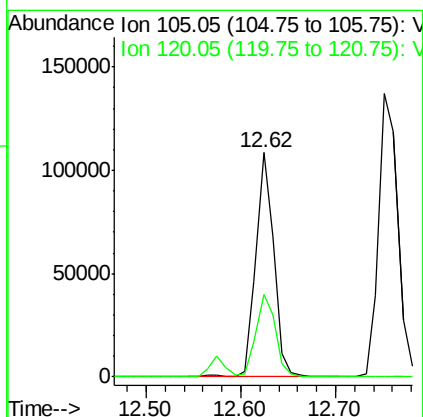
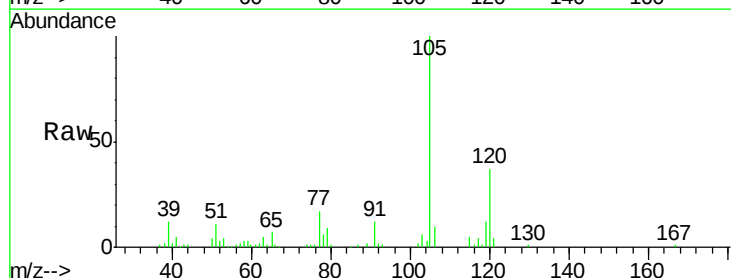
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

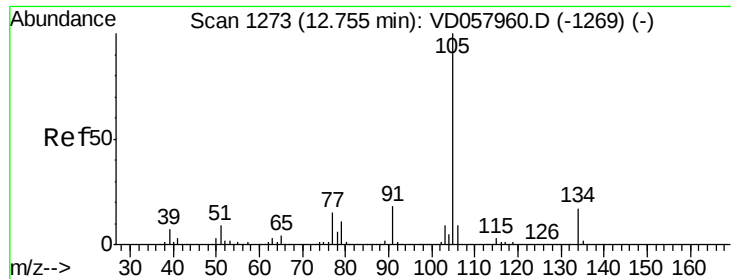
Tgt Ion:119 Resp: 160192
 Ion Ratio Lower Upper
 119 100
 91 81.3 37.6 112.9
 134 25.7 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 5.05 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

Tgt Ion:105 Resp: 143082
 Ion Ratio Lower Upper
 105 100
 120 36.7 21.2 63.6

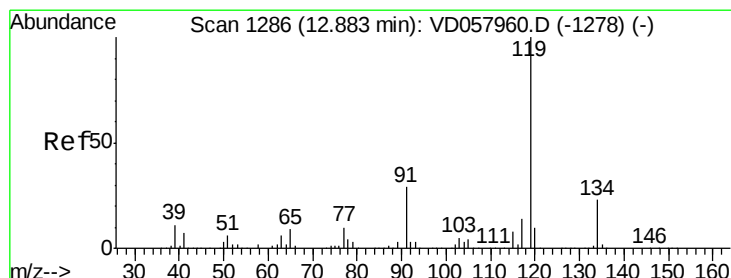
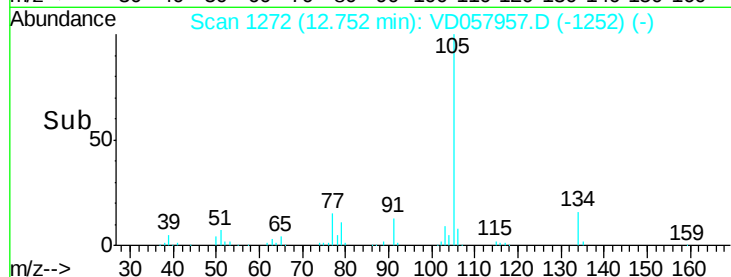
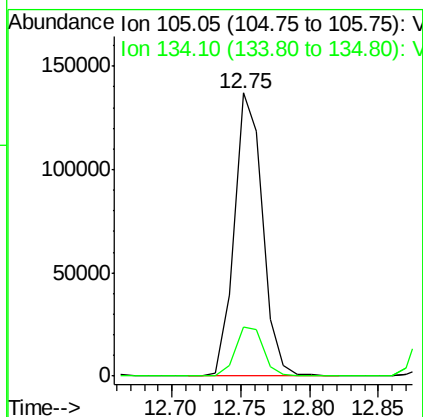
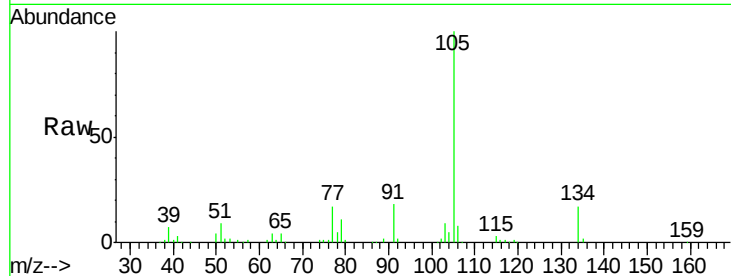




#85
 sec-Butylbenzene
 Concen: 5.45 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

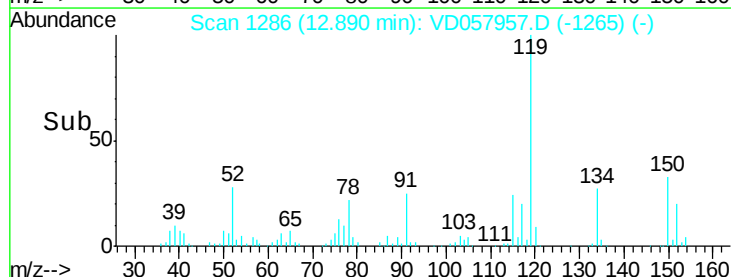
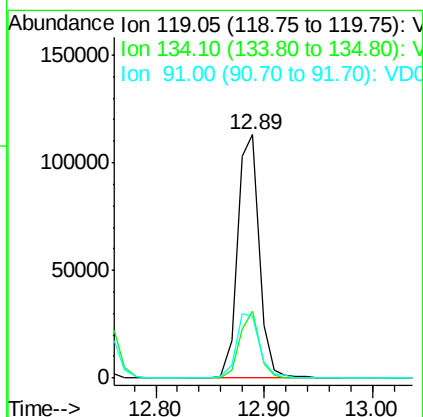
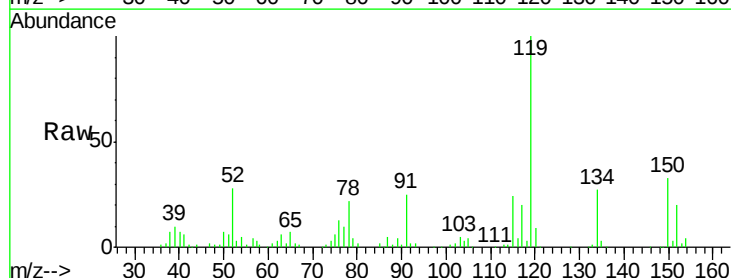
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

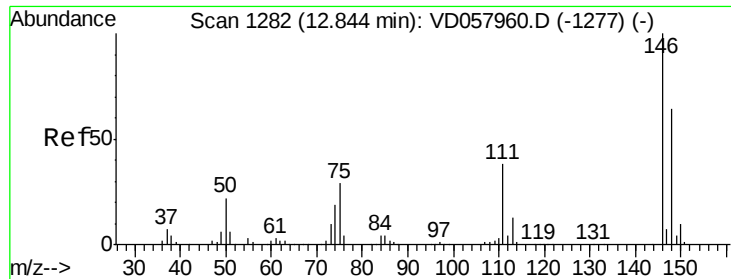
Tgt Ion:105 Resp: 195533
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 5.43 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

Tgt Ion:119 Resp: 156954
 Ion Ratio Lower Upper
 119 100
 134 27.4 11.5 34.4
 91 25.3 14.5 43.6





#87

1,3-Dichlorobenzene

Concen: 5.45 ug/l

RT: 12.84 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

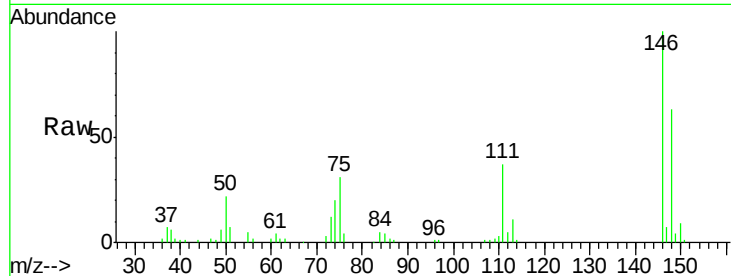
Tgt Ion:146 Resp: 92197

Ion Ratio Lower Upper

146 100

111 36.8 19.1 57.3

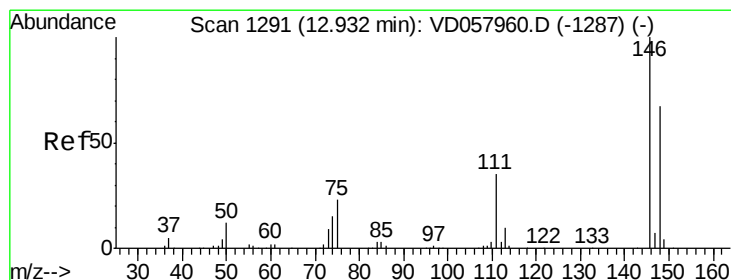
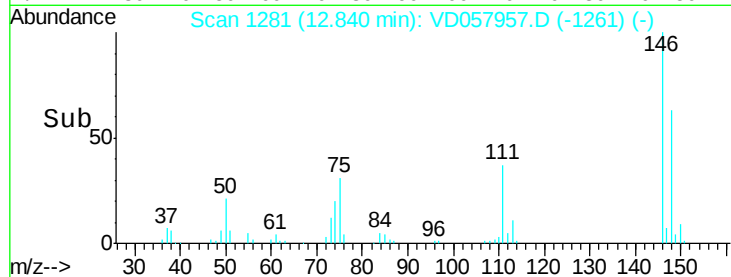
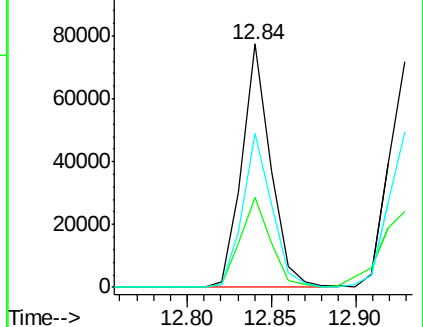
148 63.2 32.0 96.2



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: 5.37 ug/l

RT: 12.93 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

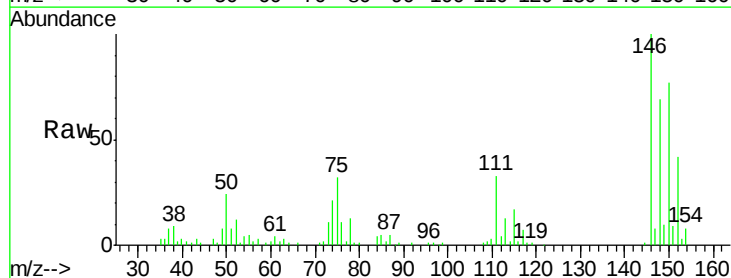
Tgt Ion:146 Resp: 88517

Ion Ratio Lower Upper

146 100

111 33.4 17.3 52.0

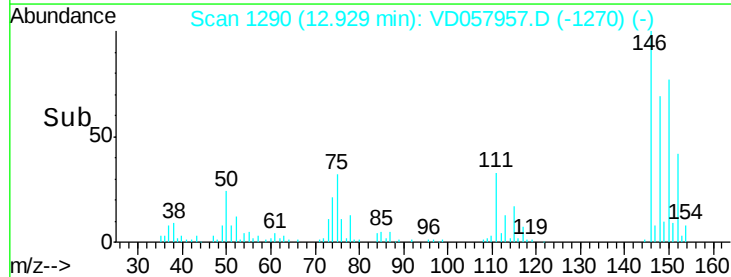
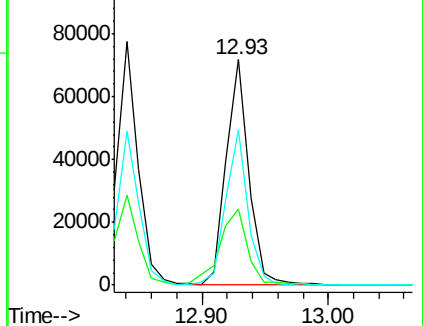
148 68.6 33.4 100.2

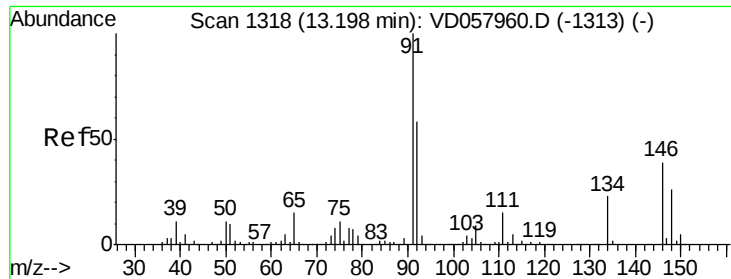


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 5.97 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD057957.D

Acq: 6 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

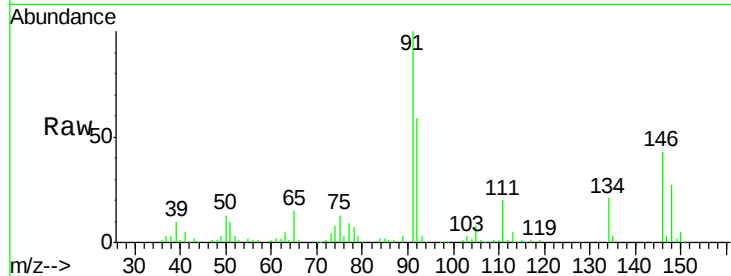
Tgt Ion: 91 Resp: 177717

Ion Ratio Lower Upper

91 100

92 59.2 29.2 87.6

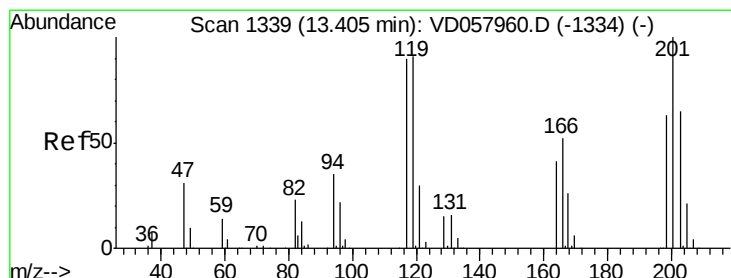
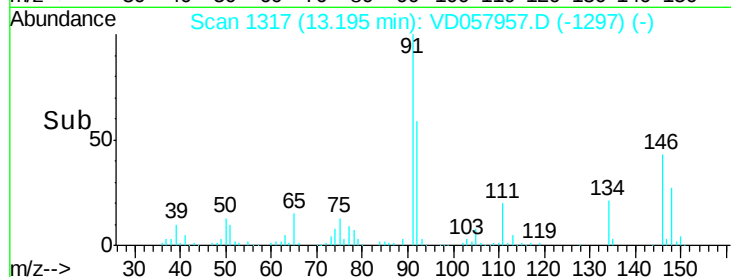
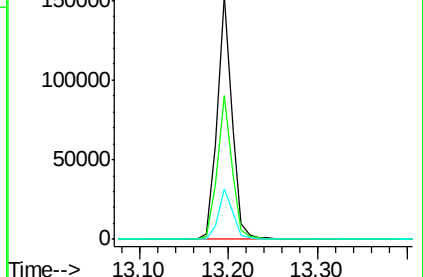
134 20.7 11.3 33.9



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): VDC



#90

Hexachloroethane

Concen: 4.57 ug/l

RT: 13.40 min Scan# 1338

Delta R.T. -0.00 min

Lab File: VD057957.D

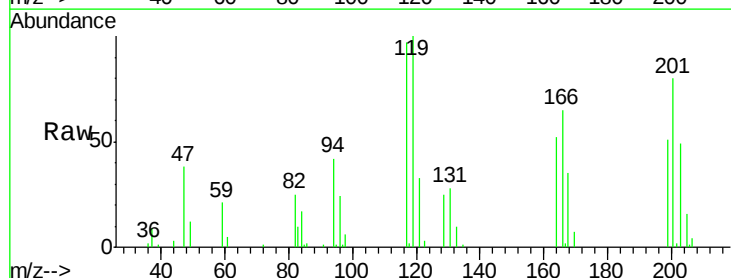
Acq: 6 Jun 2018 17:54

Tgt Ion: 117 Resp: 33709

Ion Ratio Lower Upper

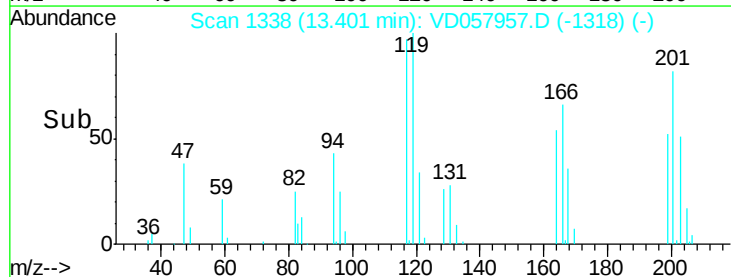
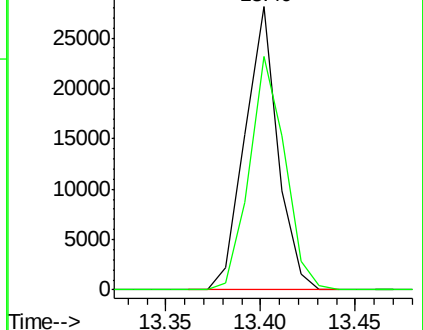
117 100

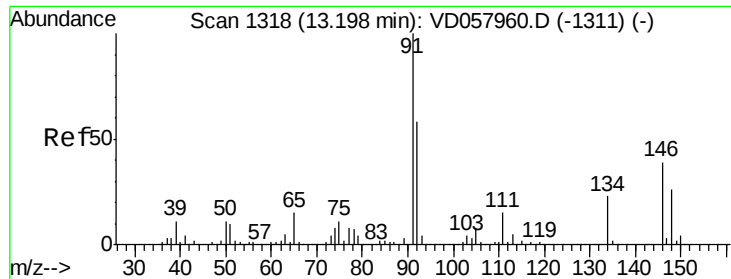
201 82.4 55.4 166.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

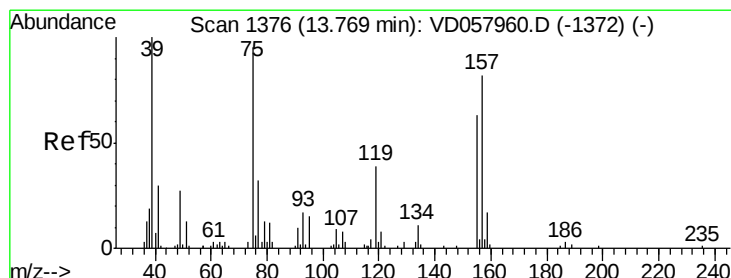
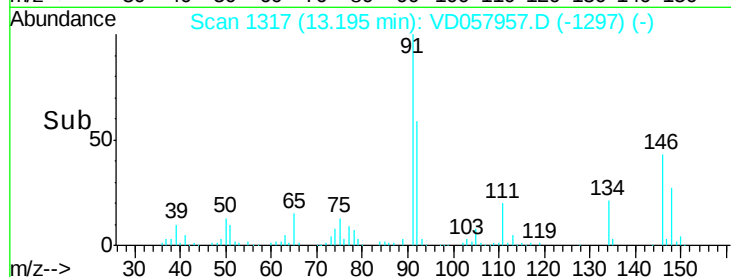
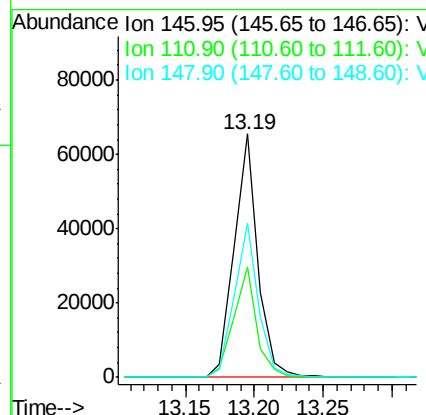
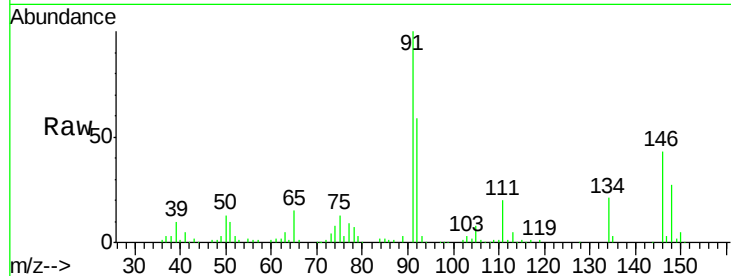




#91
 1,2-Dichlorobenzene
 Concen: 5.70 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

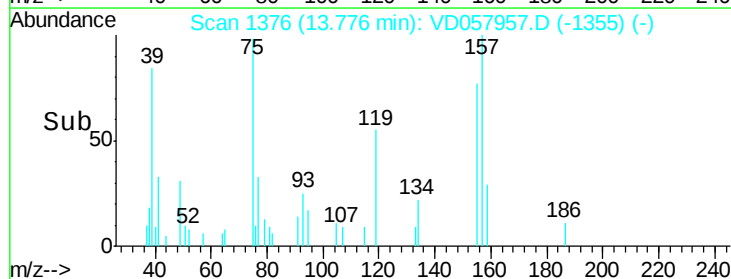
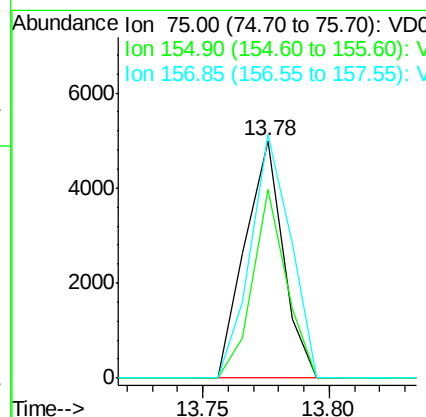
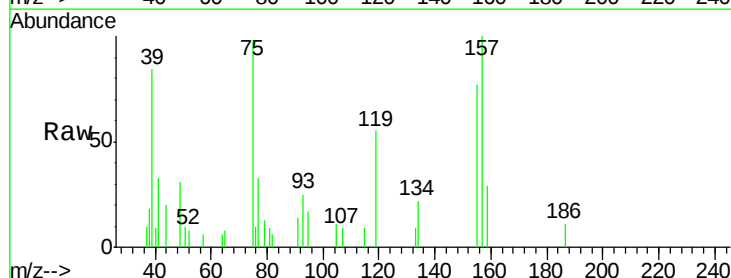
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

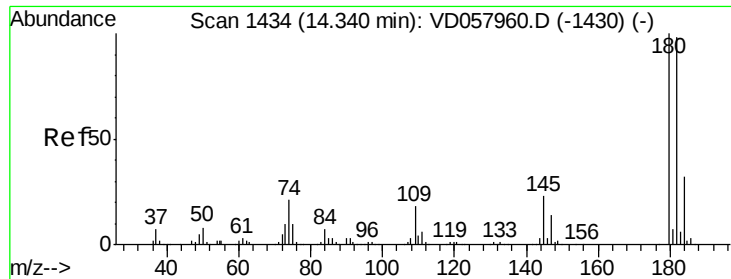
Tgt Ion: 146 Resp: 77826
 Ion Ratio Lower Upper
 146 100
 111 45.5 19.4 58.2
 148 63.5 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.62 ug/l
 RT: 13.78 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

Tgt Ion: 75 Resp: 5247
 Ion Ratio Lower Upper
 75 100
 155 79.3 33.4 100.1
 157 102.4 42.9 128.5

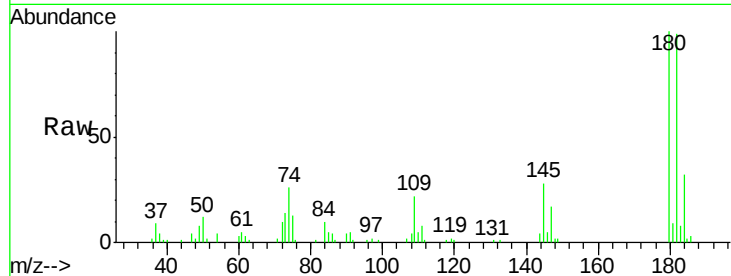




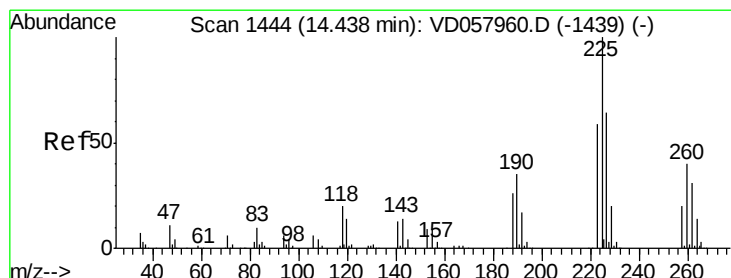
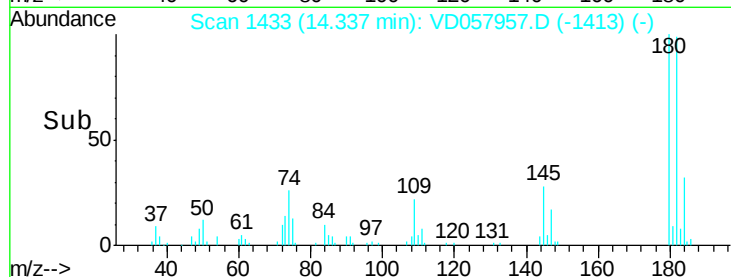
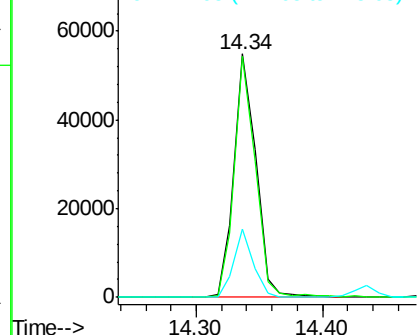
#93
 1,2,4-Trichlorobenzene
 Concen: 5.16 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 65829
 Ion Ratio Lower Upper
 180 100
 182 99.3 49.0 147.2
 145 27.9 11.8 35.3

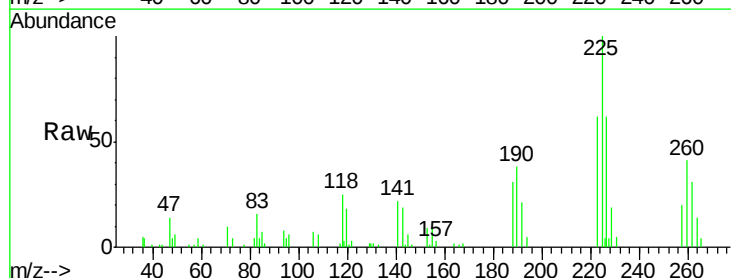


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

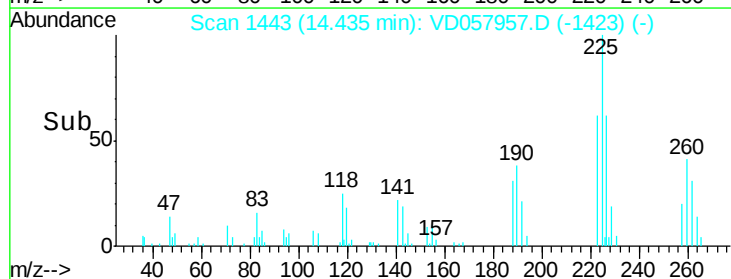
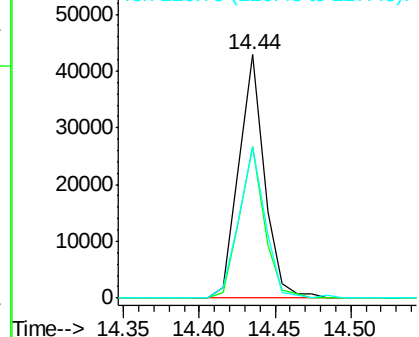


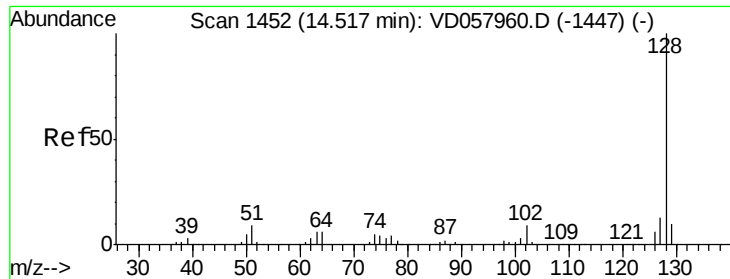
#94
 Hexachlorobutadiene
 Concen: 5.01 ug/l
 RT: 14.44 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD057957.D
 Acq: 6 Jun 2018 17:54

Tgt Ion:225 Resp: 50349
 Ion Ratio Lower Upper
 225 100
 223 62.0 29.5 88.6
 227 62.1 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

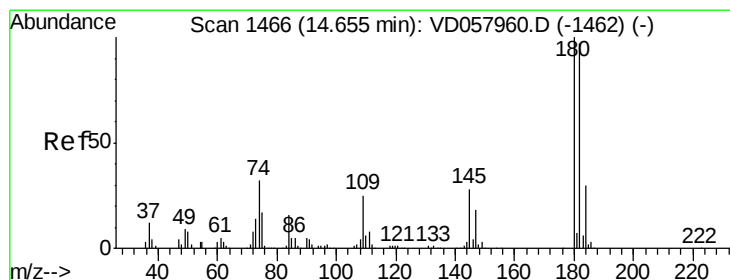
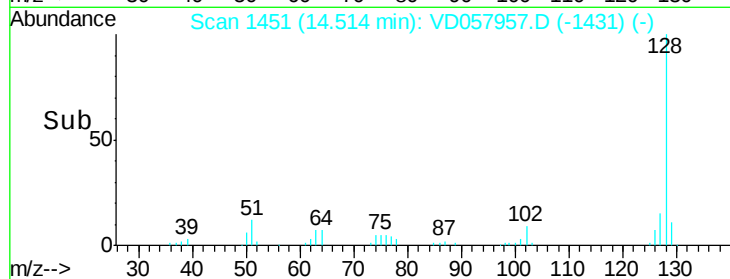
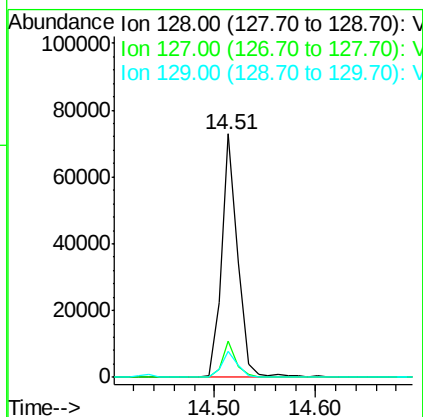
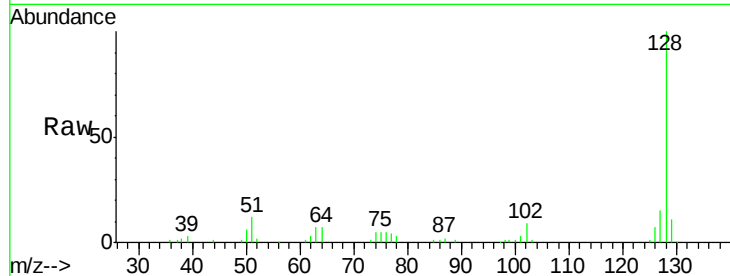




#95
Naphthalene
Concen: 4.93 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 81096
Ion Ratio Lower Upper
128 100
127 14.9 10.2 15.2
129 10.7 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 5.12 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.01 min
Lab File: VD057957.D
Acq: 6 Jun 2018 17:54

Tgt Ion:180 Resp: 55657
Ion Ratio Lower Upper
180 100
182 93.7 48.5 145.5
145 25.2 14.2 42.8

