

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058175.D
 Acq On : 18 Jun 2018 12:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 19 05:47:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	960721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1212178	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	981187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	481766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	394745	41.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.20%	
35) Dibromofluoromethane	5.55	113	444398	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
50) Toluene-d8	8.71	98	1020689	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
62) 4-Bromofluorobenzene	11.93	95	438462	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	558367	43.30	ug/l	98
3) Chloromethane	1.49	50	260430	41.01	ug/l	99
4) Vinyl Chloride	1.56	62	293008	47.67	ug/l	100
5) Bromomethane	1.80	94	107820	44.75	ug/l	93
6) Chloroethane	1.89	64	122079	50.34	ug/l	92
7) Trichlorofluoromethane	2.08	101	407429	48.49	ug/l	97
8) Diethyl Ether	2.35	74	79548	50.96	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.56	101	245177	48.92	ug/l	96
10) Methyl Iodide	2.70	142	311024	48.09	ug/l	94
11) Tert butyl alcohol	3.28	59	78733	306.00	ug/l #	93
12) 1,1-Dichloroethene	2.55	96	187761	48.73	ug/l	97
13) Acrolein	2.48	56	100407	272.48	ug/l	98
14) Allyl chloride	2.92	41	435278	48.97	ug/l	98
15) Acrylonitrile	3.37	53	310548	206.31	ug/l	96
16) Acetone	2.62	43	386734	279.47	ug/l	97
17) Carbon Disulfide	2.75	76	654388	46.88	ug/l	100
18) Methyl Acetate	2.94	43	139716	52.19	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	859363	50.69	ug/l	96
20) Methylene Chloride	3.07	84	202008	53.68	ug/l #	90
21) trans-1,2-Dichloroethene	3.39	96	391797	45.65	ug/l	97
22) Diisopropyl ether	4.07	45	1613202	45.81	ug/l	98
23) Vinyl Acetate	4.02	43	4545799	249.85	ug/l	98
24) 1,1-Dichloroethane	3.97	63	933959	48.26	ug/l	98
25) 2-Butanone	4.84	43	725897	230.82	ug/l #	90
26) 2,2-Dichloropropane	4.80	77	812171	50.94	ug/l	96
27) cis-1,2-Dichloroethene	4.81	96	488987	48.04	ug/l	92
28) Bromochloromethane	5.15	49	400557	47.82	ug/l	94
29) Tetrahydrofuran	5.19	42	384931	233.50	ug/l	99
30) Chloroform	5.32	83	928138	47.65	ug/l	99
31) Cyclohexane	5.60	56	720177	43.12	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	830124	50.90	ug/l	97
36) 1,1-Dichloropropene	5.75	75	651528	48.79	ug/l	97
37) Ethyl Acetate	4.93	43	357499	49.06	ug/l	96
38) Carbon Tetrachloride	5.73	117	711876	54.09	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	695797	52.56	ug/l	98
40) Benzene	6.02	78	1553471	49.79	ug/l	100
41) Methacrylonitrile	5.13	41	183148	54.97	ug/l	96
42) 1,2-Dichloroethane	6.13	62	640944	50.81	ug/l	99
43) Isopropyl Acetate	7.62	43	487048	51.03	ug/l	95
44) Trichloroethene	6.99	130	490764	53.85	ug/l	96
45) 1,2-Dichloropropane	7.35	63	450649	51.97	ug/l	100
46) Dibromomethane	7.46	93	289639	52.00	ug/l	97
47) Bromodichloromethane	7.75	83	700482	53.71	ug/l	96
48) Methyl methacrylate	7.51	41	292645	49.81	ug/l	96
49) 1,4-Dioxane	7.49	88	48257	991.54	ug/l	95
51) 4-Methyl-2-Pentanone	8.60	43	1537503	251.13	ug/l	100
52) Toluene	8.80	92	918449	51.30	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	596762	53.11	ug/l	100
54) cis-1,3-Dichloropropene	8.37	75	706352	53.36	ug/l	99
55) 1,1,2-Trichloroethane	9.46	97	307545	53.07	ug/l	98
56) Ethyl methacrylate	9.31	69	378297	53.22	ug/l	98
57) 1,3-Dichloropropane	9.66	76	539056	53.04	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	898924	250.31	ug/l	100
59) 2-Hexanone	9.78	43	1185707	264.28	ug/l	99
60) Dibromochloromethane	9.96	129	460134	56.31	ug/l	97
61) 1,2-Dibromoethane	10.10	107	348787	52.34	ug/l	91
64) Tetrachloroethene	9.52	164	458385	52.26	ug/l	98
65) Chlorobenzene	10.73	112	999535	50.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	405434	53.13	ug/l	99
67) Ethyl Benzene	10.86	91	1760718	49.06	ug/l	99
68) m/p-Xylenes	11.01	106	1168555	99.89	ug/l	95
69) o-Xylene	11.41	106	555954	47.88	ug/l	98
70) Styrene	11.44	104	930308	48.39	ug/l	99
71) Bromoform	11.60	173	334882	58.33	ug/l	100
73) Isopropylbenzene	11.77	105	1651576	51.76	ug/l	100
74) N-amyl acetate	11.64	43	636312	51.68	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	367618	52.84	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	380277	52.55	ug/l	94
77) Bromobenzene	12.04	156	506691	53.64	ug/l	93
78) n-propylbenzene	12.16	91	2111985	50.86	ug/l	100
79) 2-Chlorotoluene	12.21	91	1245324	52.57	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1273039	51.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	107265	59.84	ug/l	93
82) 4-Chlorotoluene	12.32	91	1316584	57.64	ug/l	99
83) tert-Butylbenzene	12.58	119	1501455	53.43	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	1382090	51.65	ug/l	100
85) sec-Butylbenzene	12.76	105	1746859	51.51	ug/l	99
86) p-Isopropyltoluene	12.88	119	1414699	51.76	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	835722	52.31	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	813324	52.24	ug/l	93
89) n-Butylbenzene	13.20	91	1372821	56.31	ug/l	99
90) Hexachloroethane	13.40	117	362091	51.90	ug/l	64
91) 1,2-Dichlorobenzene	13.19	146	632271	48.97	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	62988	58.66	ug/l	94

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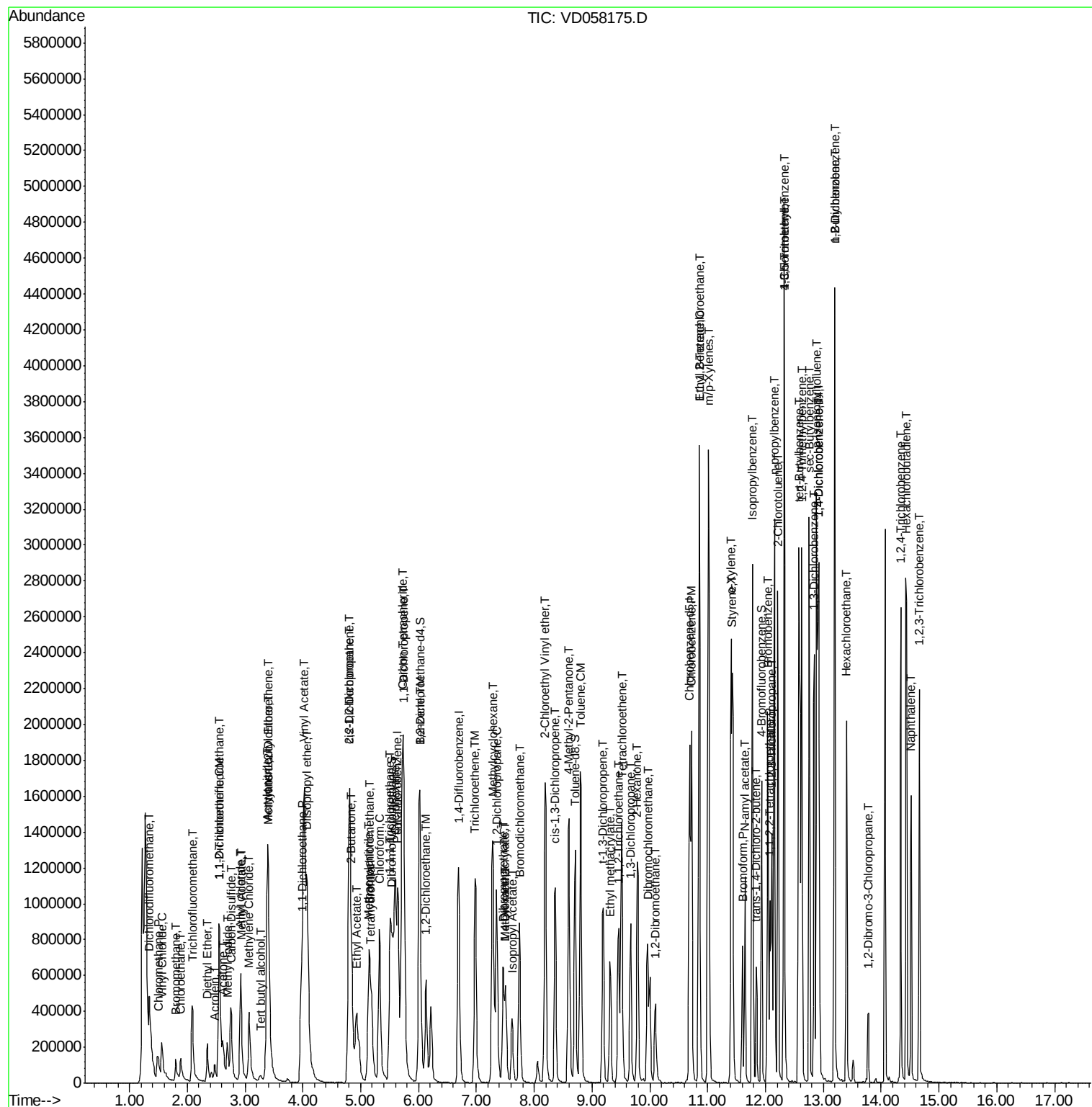
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	723705	59.99	ug/l	99
94) Hexachlorobutadiene	14.44	225	564705	59.51	ug/l	97
95) Naphthalene	14.52	128	928090	59.67	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	598747	58.24	ug/l	95

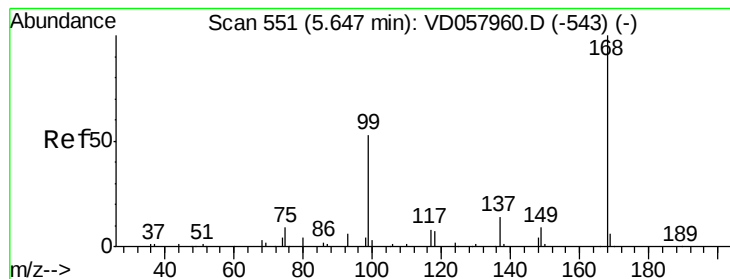
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

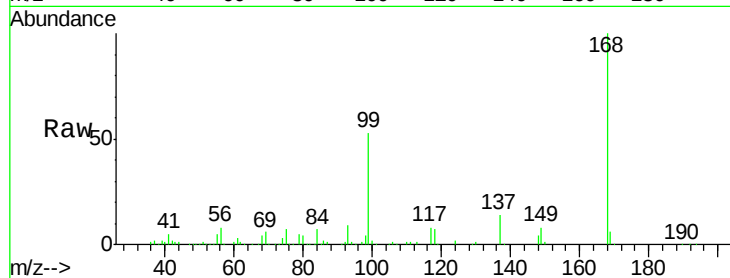
VSTDCCC050

Tot Ion:168 Resp: 960721

Ion Ratio Lower Upper

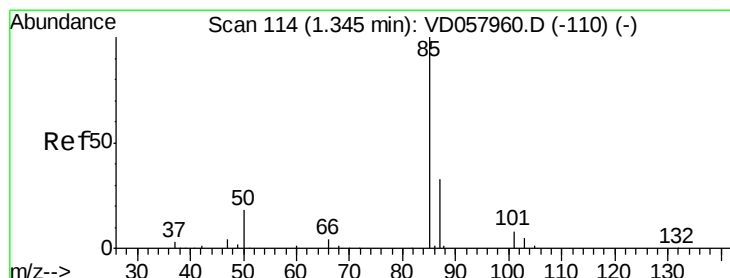
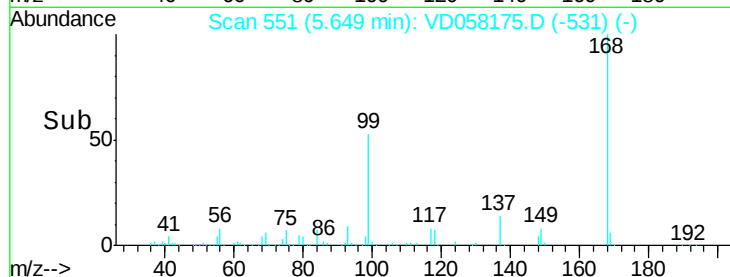
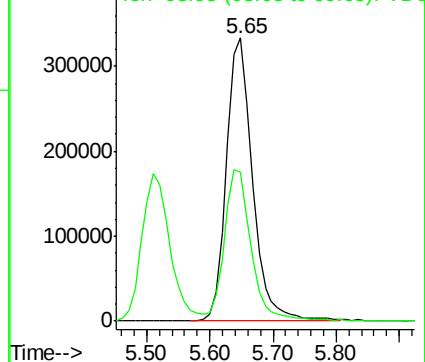
168 100

99 52.8 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: 43.30 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD058175.D

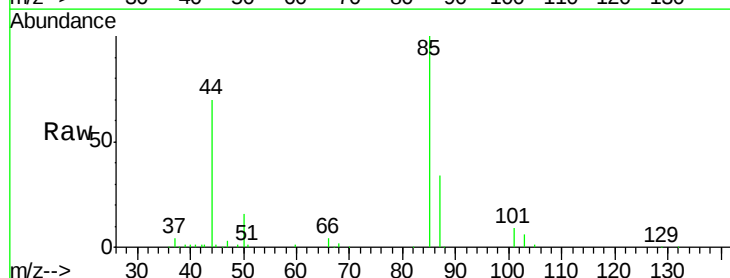
Acq: 18 Jun 2018 12:04

Tgt Ion: 85 Resp: 558367

Ion Ratio Lower Upper

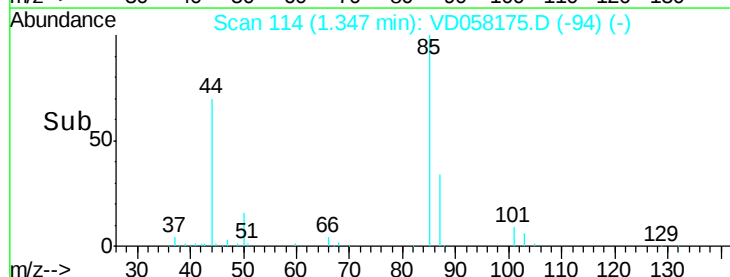
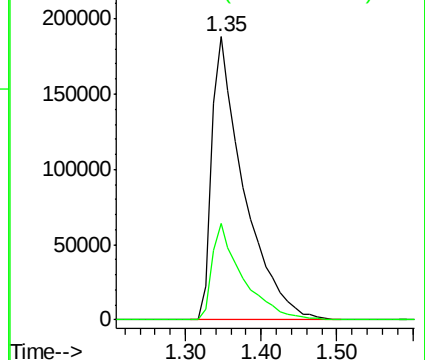
85 100

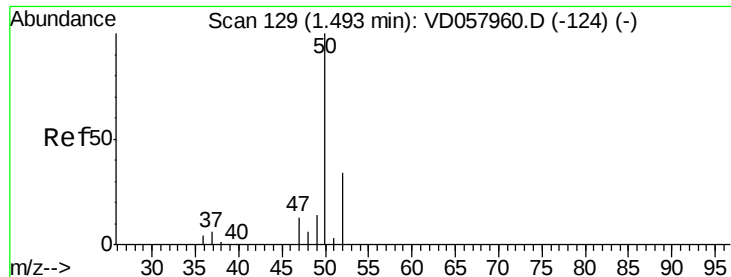
87 33.9 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.01 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

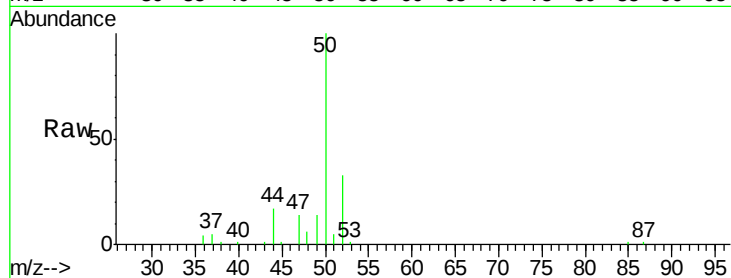
VSTDCCC050

Tot Ion: 50 Resp: 260430

Ion Ratio Lower Upper

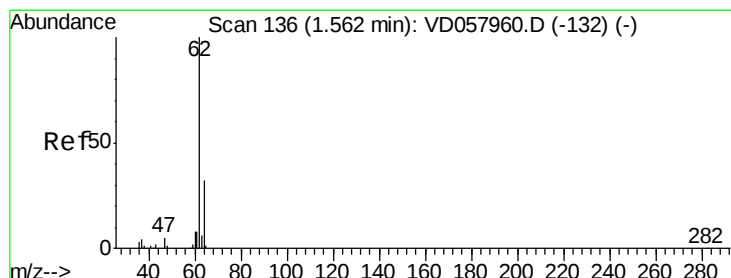
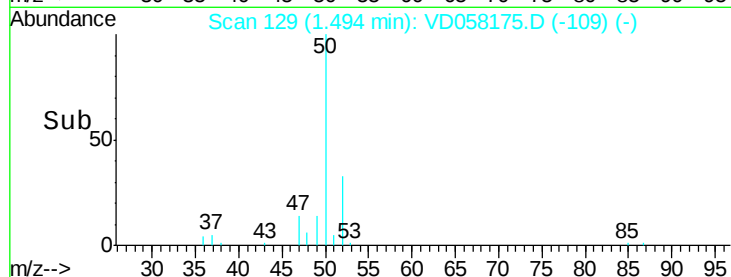
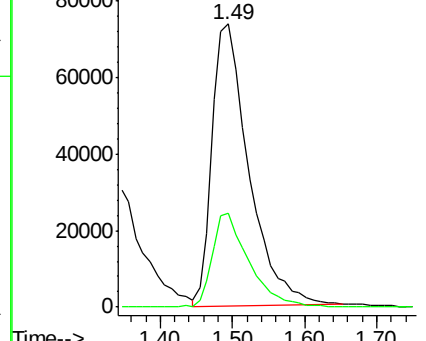
50 100

52 33.3 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.67 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD058175.D

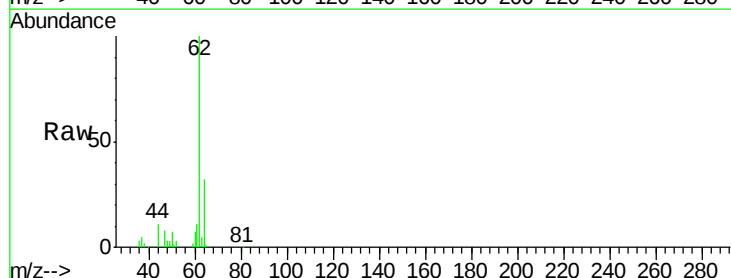
Acq: 18 Jun 2018 12:04

Tgt Ion: 62 Resp: 293008

Ion Ratio Lower Upper

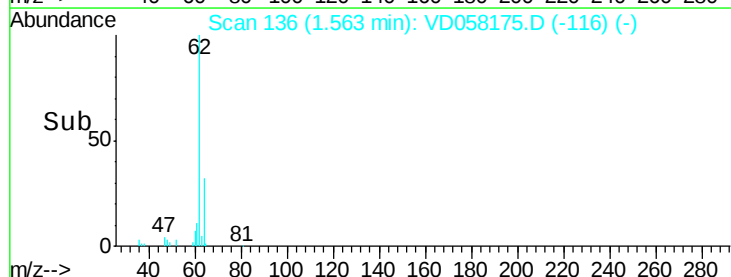
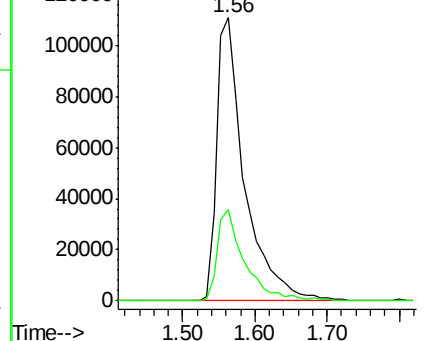
62 100

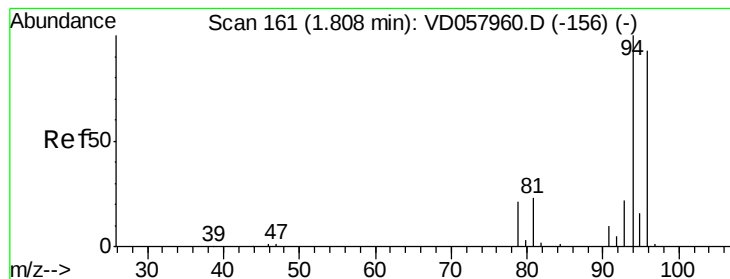
64 32.1 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 44.75 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

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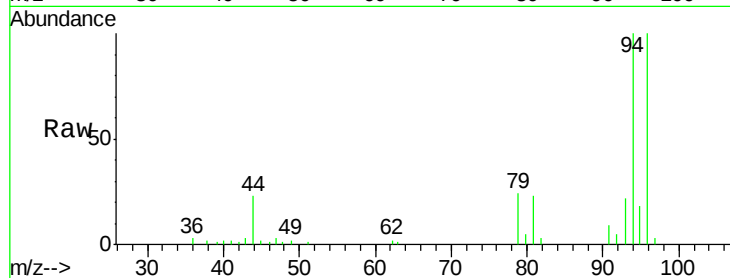
VSTDCCC050

Tot Ion: 94 Resp: 107820

Ion Ratio Lower Upper

94 100

96 99.8 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.80

40000

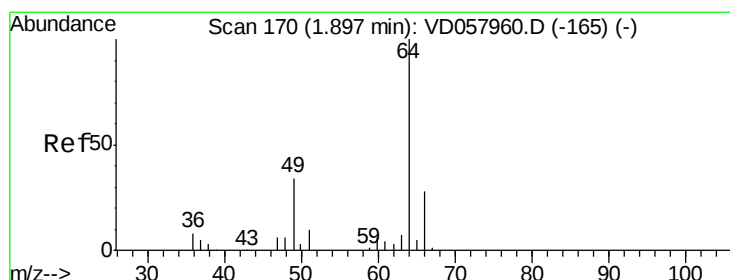
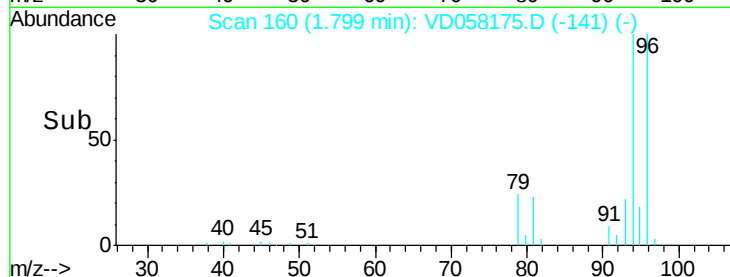
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 50.34 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD058175.D

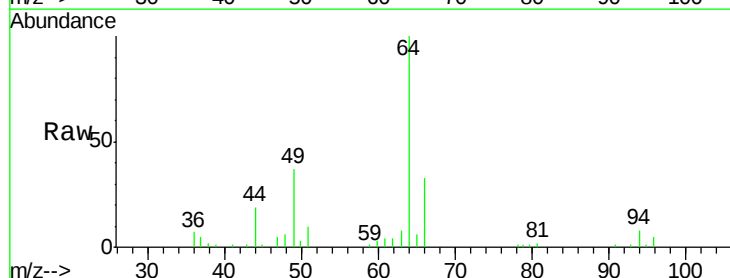
Acq: 18 Jun 2018 12:04

Tgt Ion: 64 Resp: 122079

Ion Ratio Lower Upper

64 100

66 32.9 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.89

60000

50000

40000

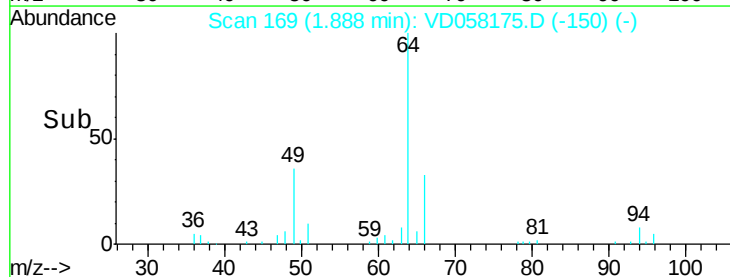
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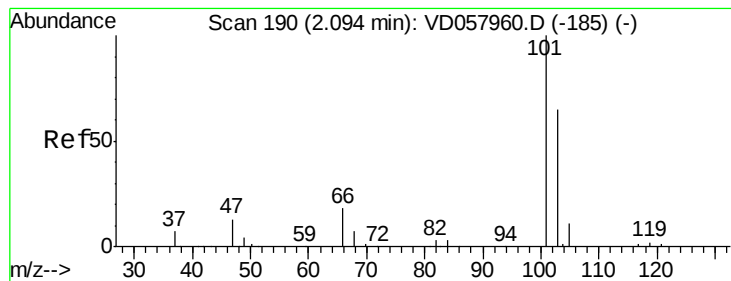
20000

10000

0

Time-->



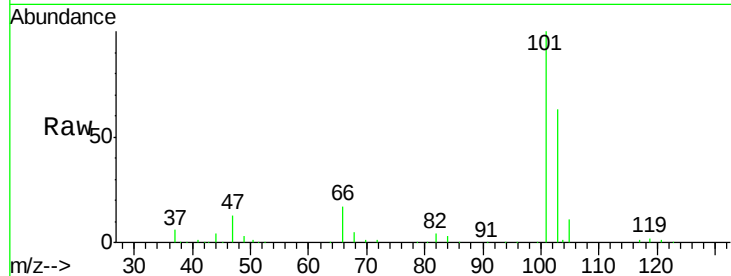


#7

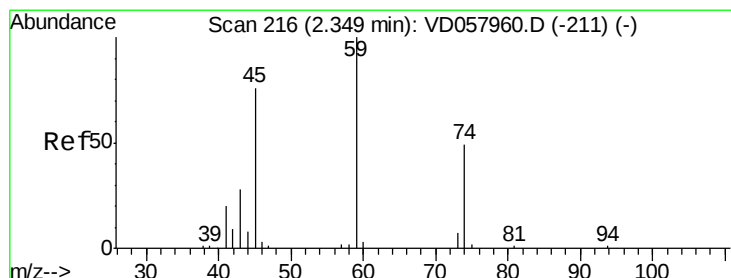
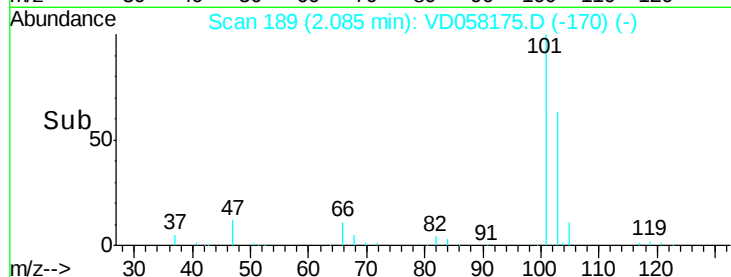
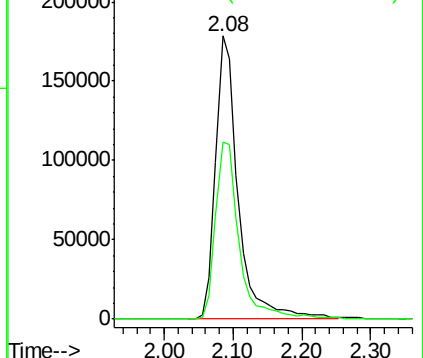
Trichlorofluoromethane
 Concen: 48.49 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Instrument :
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Tot Ion:101 Resp: 407429
 Ion Ratio Lower Upper
 101 100
 103 62.7 52.4 78.6



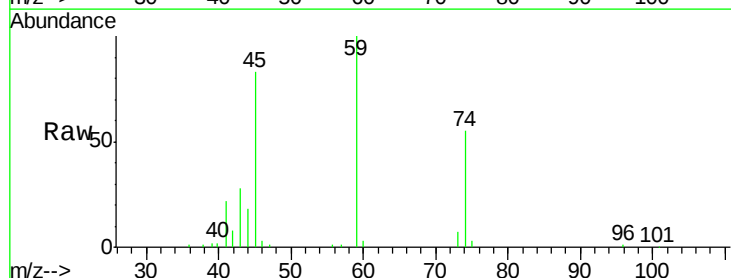
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



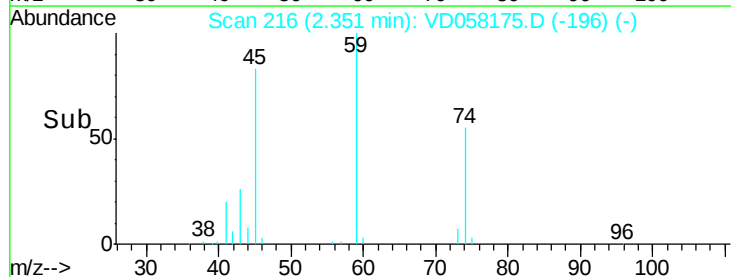
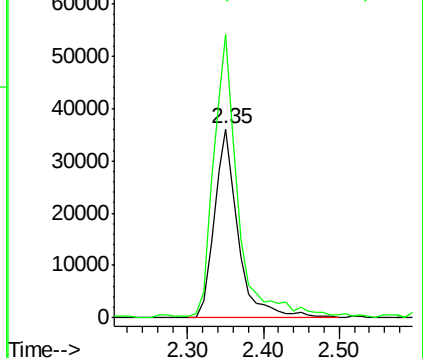
#8

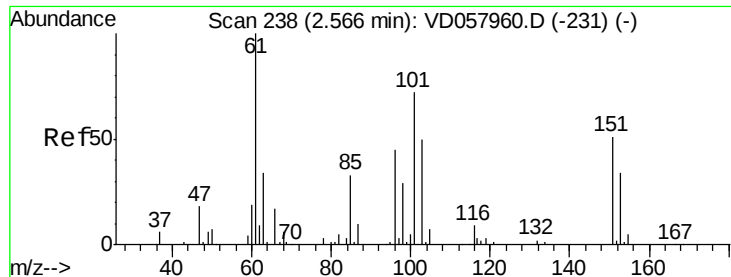
Diethyl Ether
 Concen: 50.96 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Tgt Ion: 74 Resp: 79548
 Ion Ratio Lower Upper
 74 100
 45 149.6 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: 48.92 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058175.D

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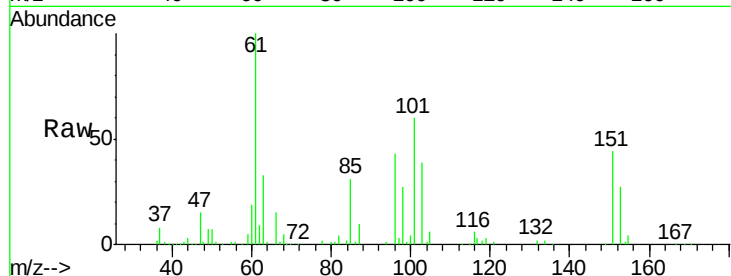
Tot Ion:101 Resp: 245177

Ion Ratio Lower Upper

101 100

85 51.1 37.3 55.9

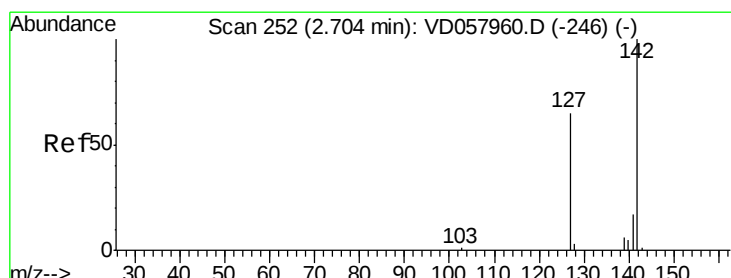
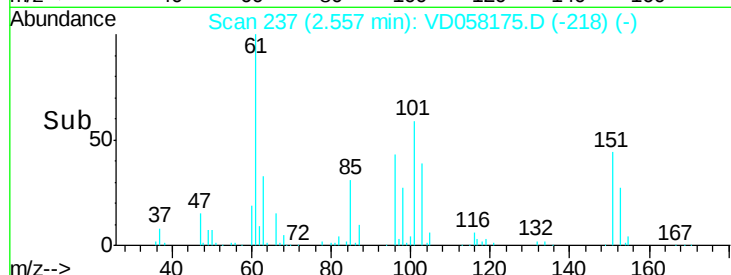
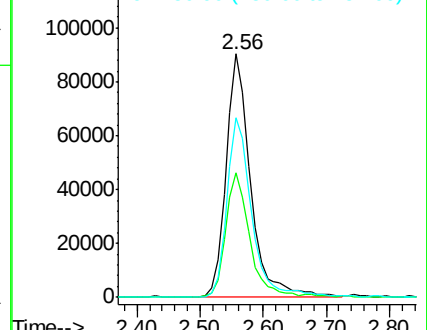
151 73.6 57.0 85.6



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: 48.09 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

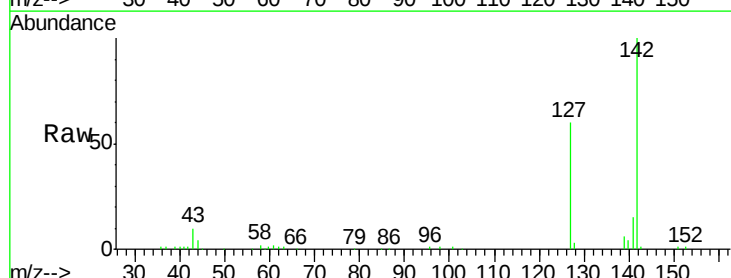
Tgt Ion:142 Resp: 311024

Ion Ratio Lower Upper

142 100

127 59.8 52.0 78.0

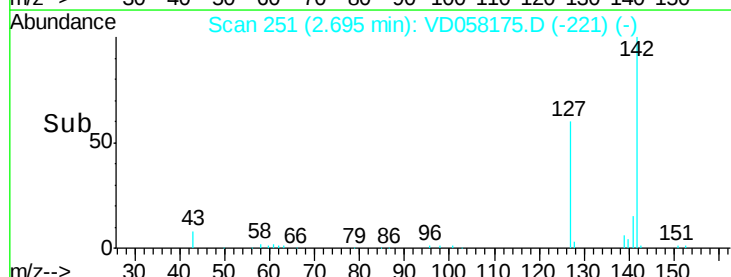
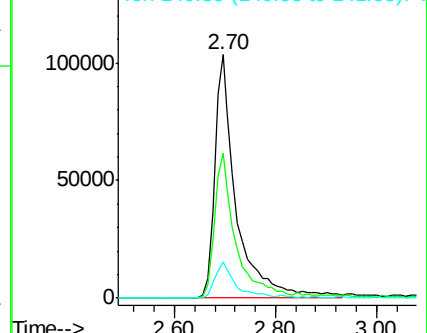
141 14.7 13.2 19.8

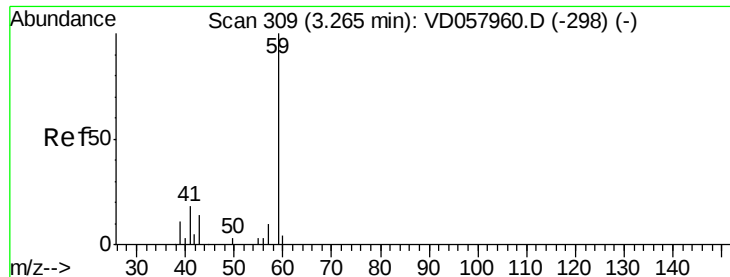


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



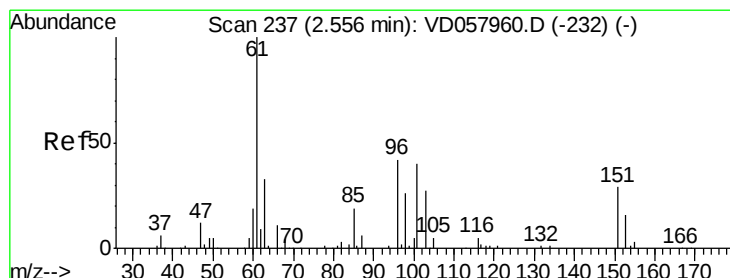
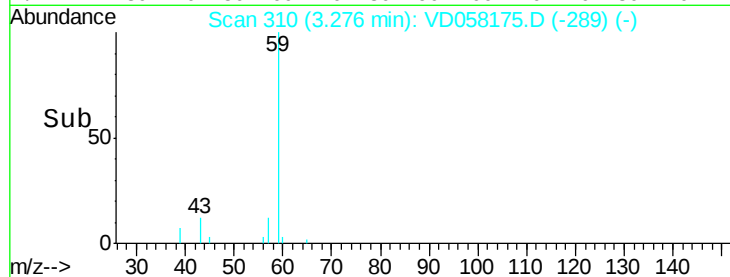
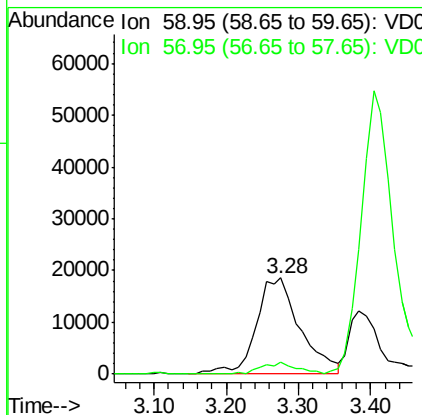
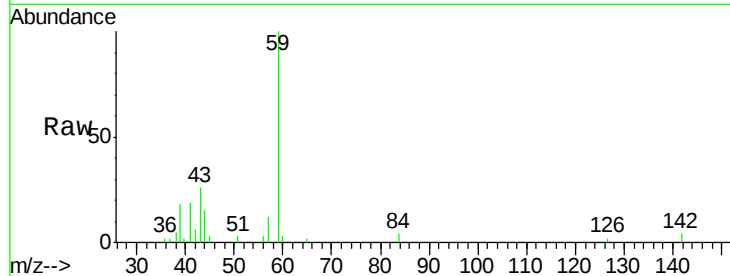


#11

Tert butyl alcohol
 Concen: 306.00 ug/l
 RT: 3.28 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

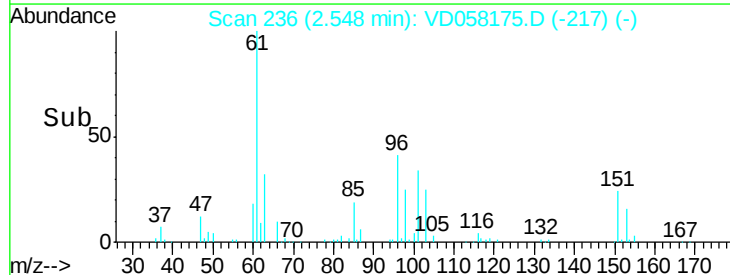
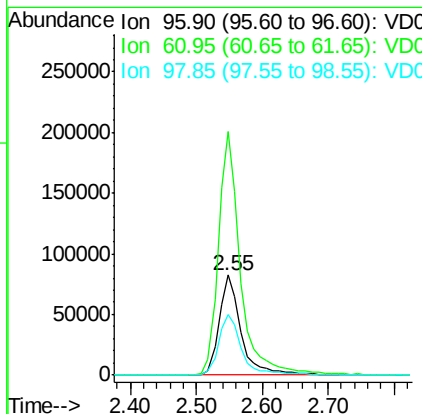
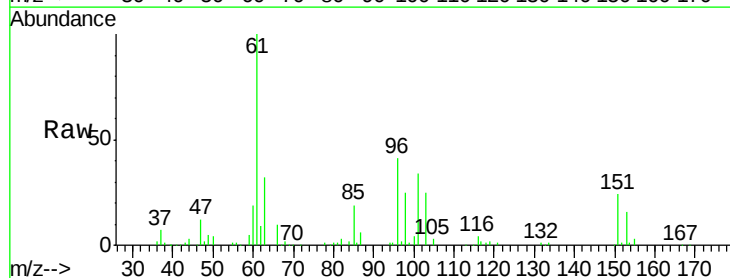
Tot Ion: 59 Resp: 78733
 Ion Ratio Lower Upper
 59 100
 57 12.4 7.8 11.6#

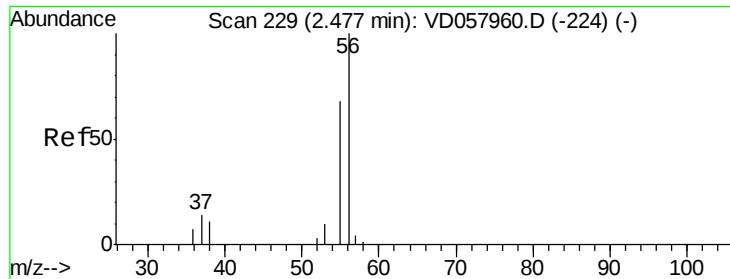


#12

1,1-Dichloroethene
 Concen: 48.73 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Tgt Ion: 96 Resp: 187761
 Ion Ratio Lower Upper
 96 100
 61 243.0 190.2 285.4
 98 61.0 49.6 74.4

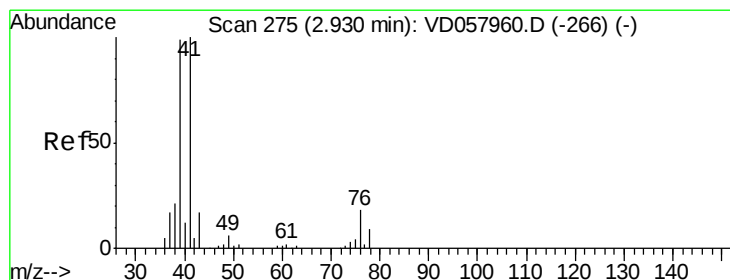
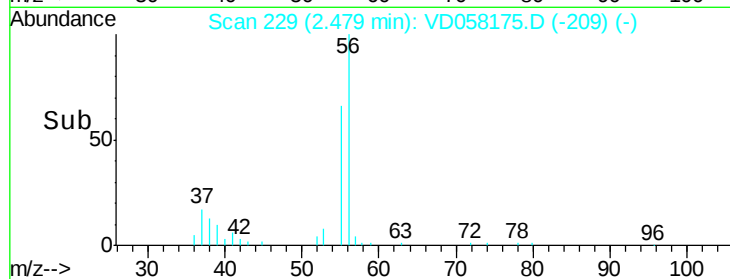
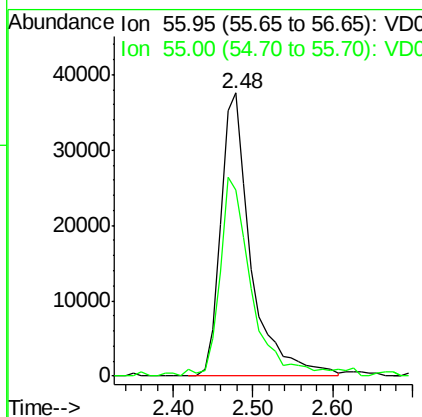
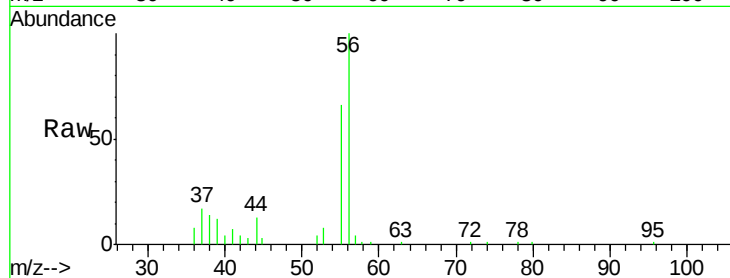




#13
Acrolein
Concen: 272.48 ug/l
RT: 2.48 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

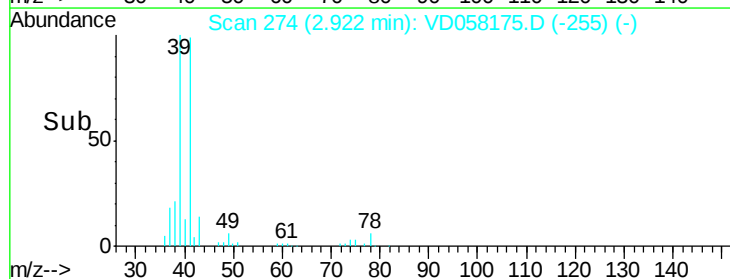
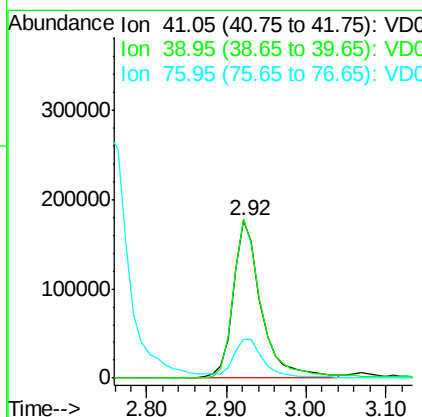
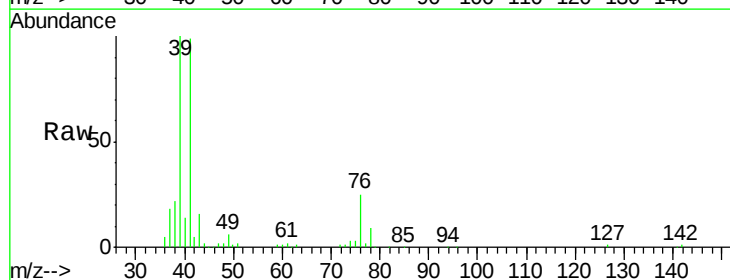
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

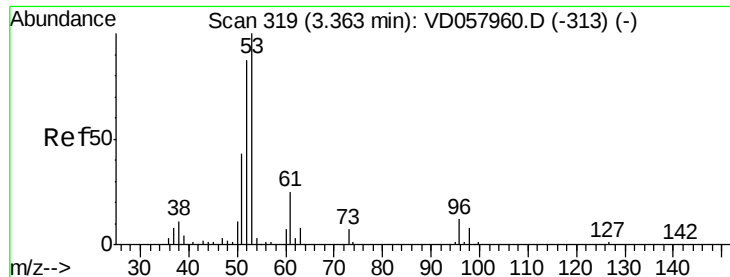
Tot Ion: 56 Resp: 100407
Ion Ratio Lower Upper
56 100
55 66.0 54.0 81.0



#14
Allyl chloride
Concen: 48.97 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Tgt Ion: 41 Resp: 435278
Ion Ratio Lower Upper
41 100
39 100.9 79.5 119.3
76 25.0 20.7 31.1





#15

Acrylonitrile

Concen: 206.31 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

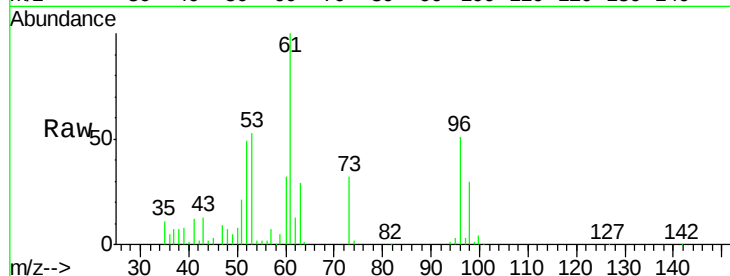
Tot Ion: 53 Resp: 310548

Ion Ratio Lower Upper

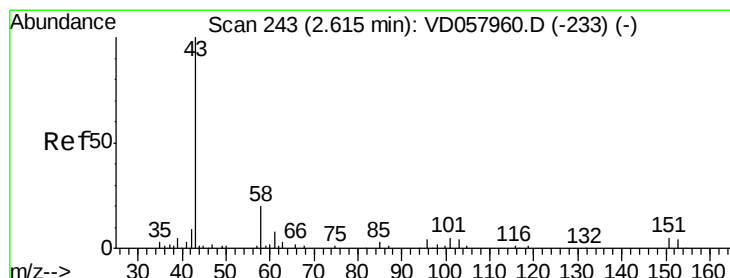
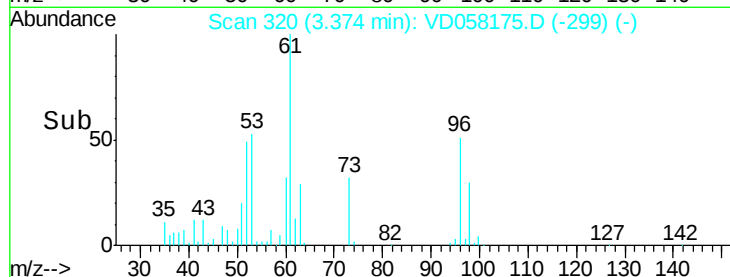
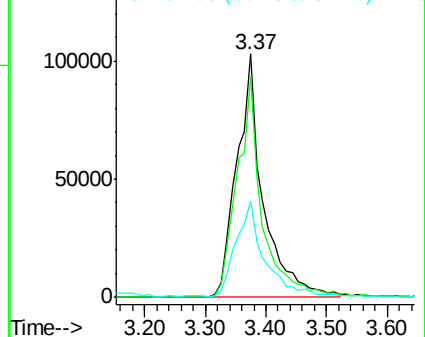
53 100

52 90.8 69.9 104.9

51 39.8 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: 279.47 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD058175.D

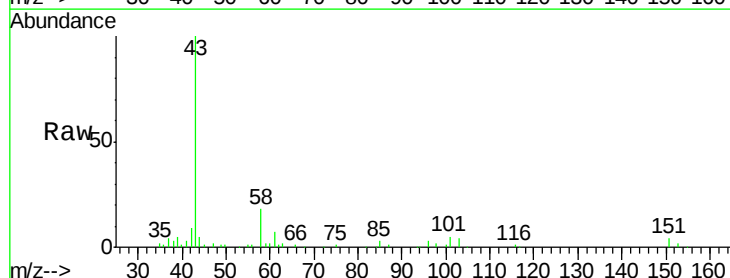
Acq: 18 Jun 2018 12:04

Tgt Ion: 43 Resp: 386734

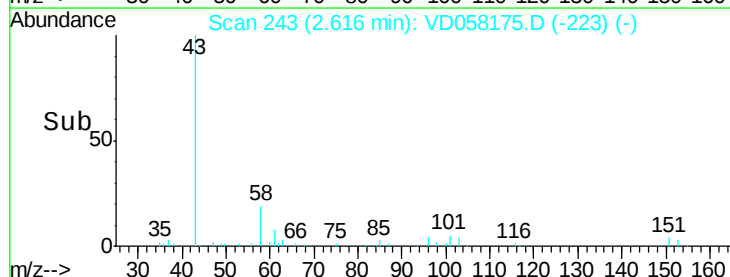
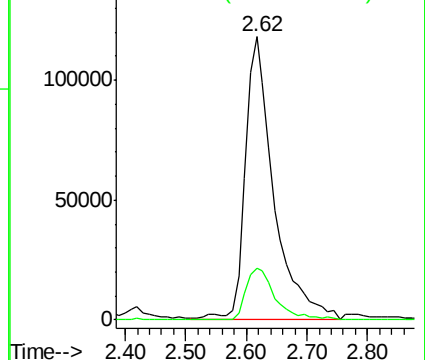
Ion Ratio Lower Upper

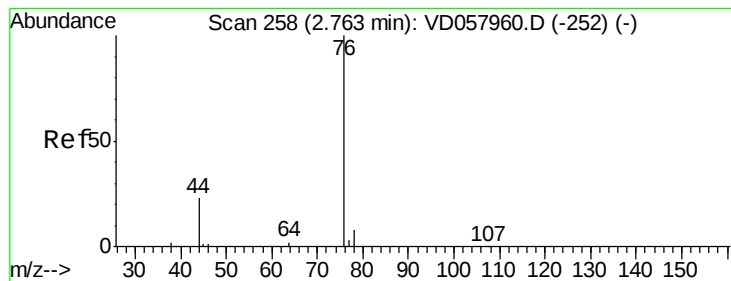
43 100

58 18.4 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: 46.88 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

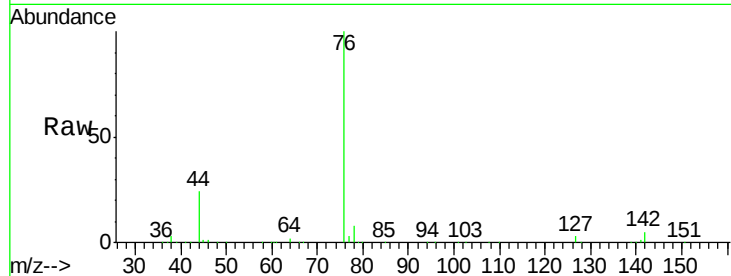
VSTDCCC050

Tot Ion: 76 Resp: 654388

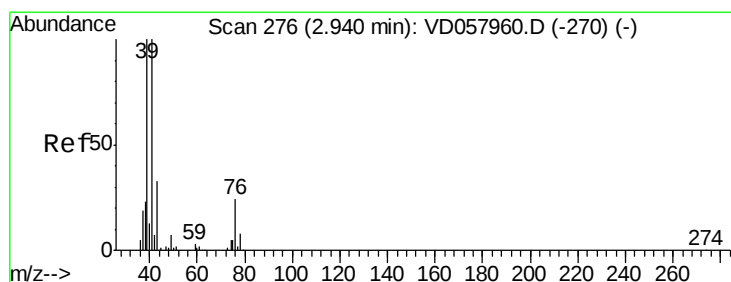
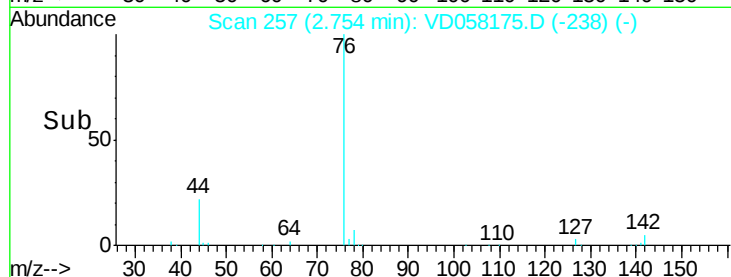
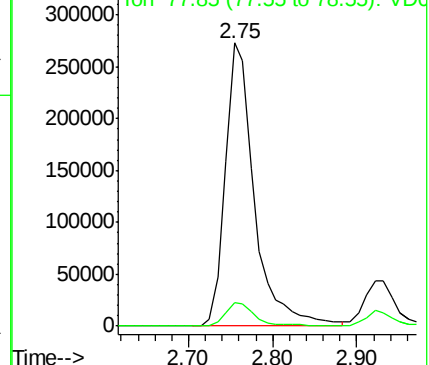
Ion Ratio Lower Upper

76 100

78 8.2 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 52.19 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD058175.D

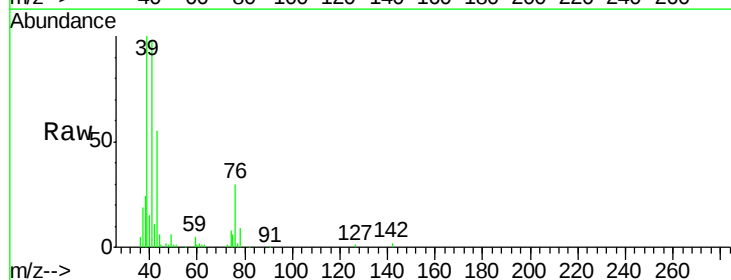
Acq: 18 Jun 2018 12:04

Tgt Ion: 43 Resp: 139716

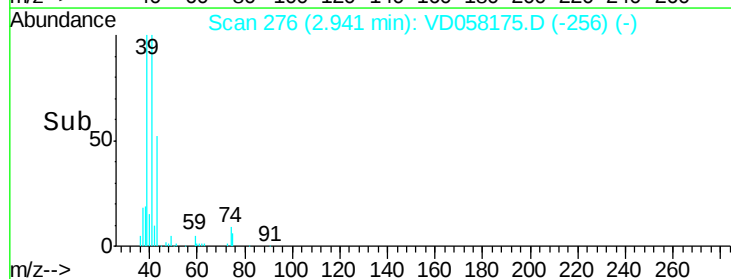
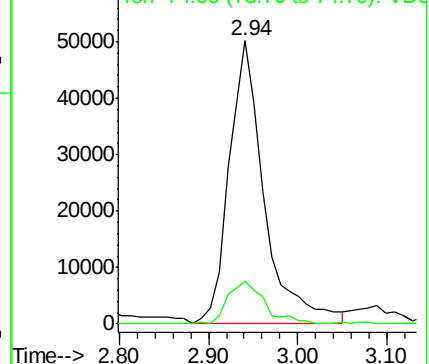
Ion Ratio Lower Upper

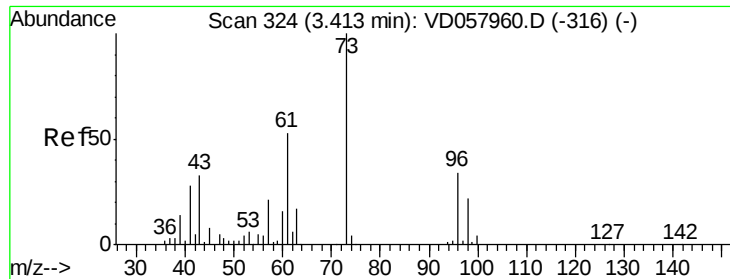
43 100

74 15.2 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



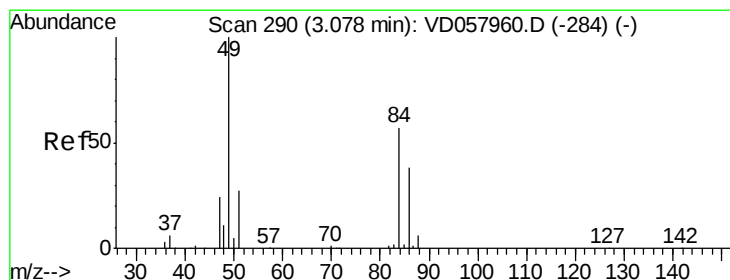
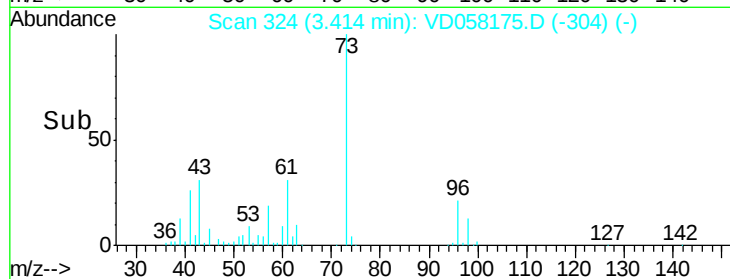
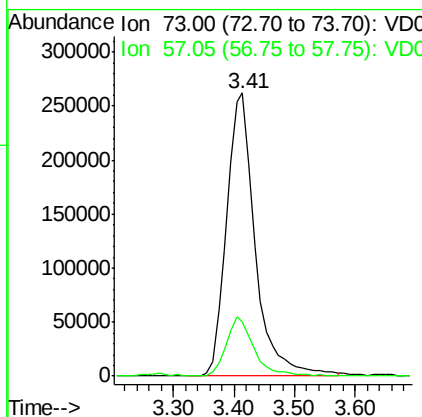
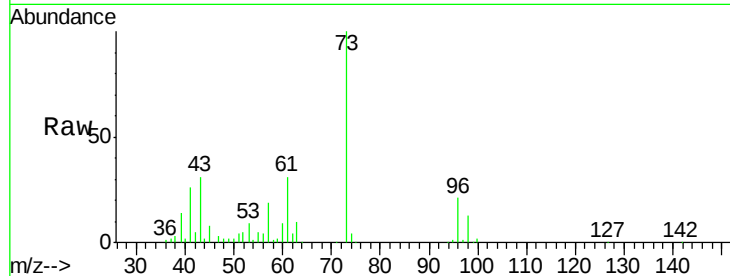


#19

Methyl tert-butyl Ether
 Concen: 50.69 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

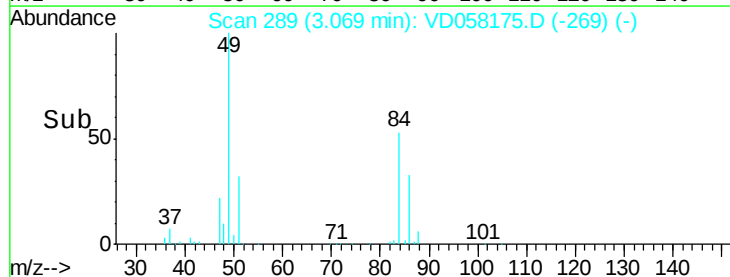
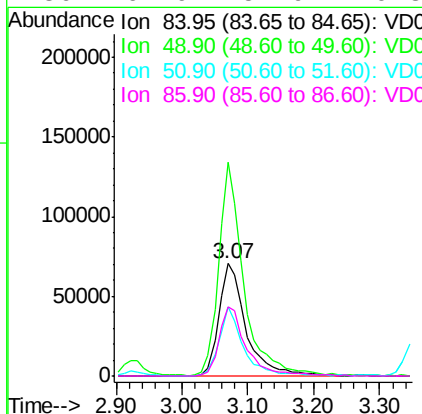
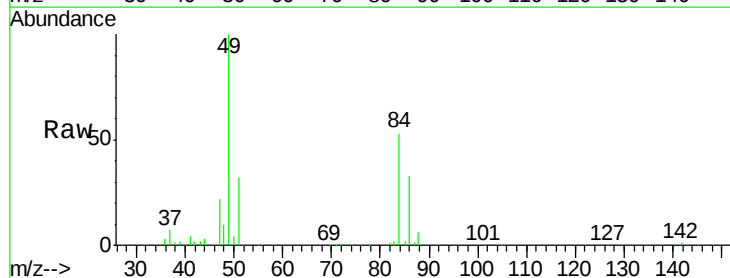
Tot Ion: 73 Resp: 859363
 Ion Ratio Lower Upper
 73 100
 57 19.3 16.7 25.1

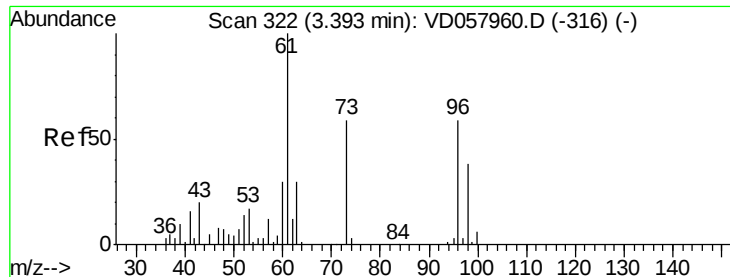


#20

Methylene Chloride
 Concen: 53.68 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Tgt Ion: 84 Resp: 202008
 Ion Ratio Lower Upper
 84 100
 49 190.0 141.4 212.0
 51 61.7 38.3 57.5#
 86 61.9 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 45.65 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

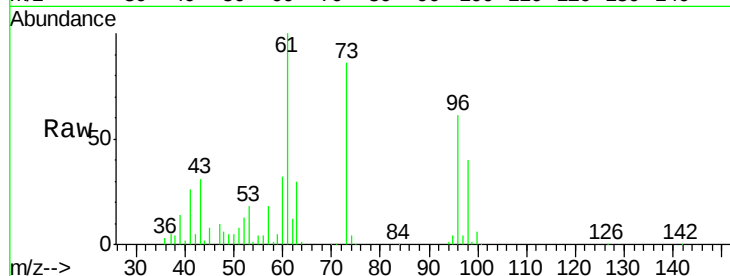
Tot Ion: 96 Resp: 391797

Ion Ratio Lower Upper

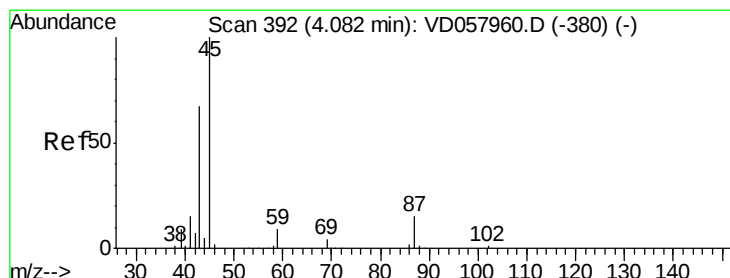
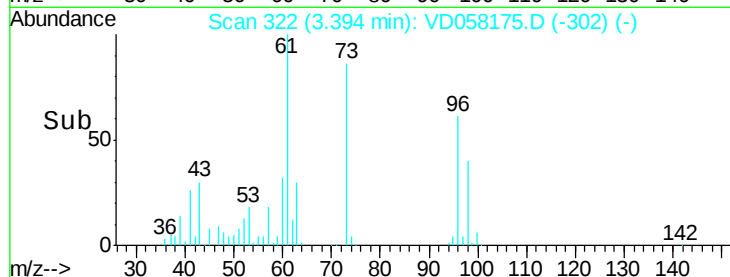
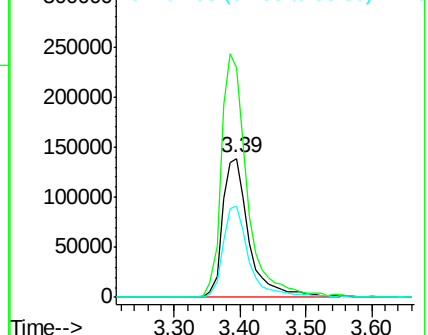
96 100

61 164.9 135.2 202.8

98 65.6 51.7 77.5



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



#22

Diisopropyl ether

Concen: 45.81 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Tgt Ion: 45 Resp: 1613202

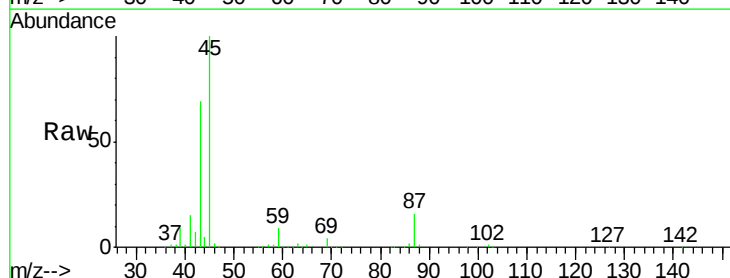
Ion Ratio Lower Upper

45 100

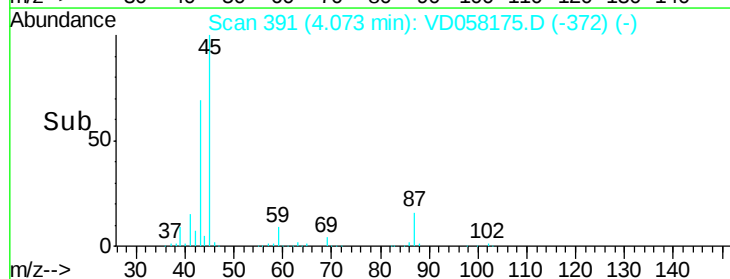
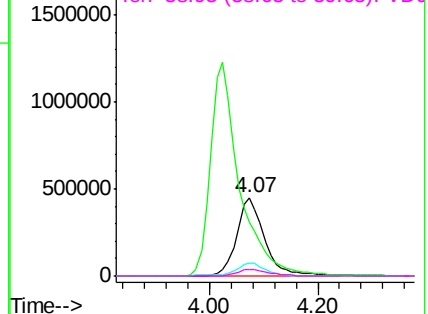
43 68.6 53.8 80.8

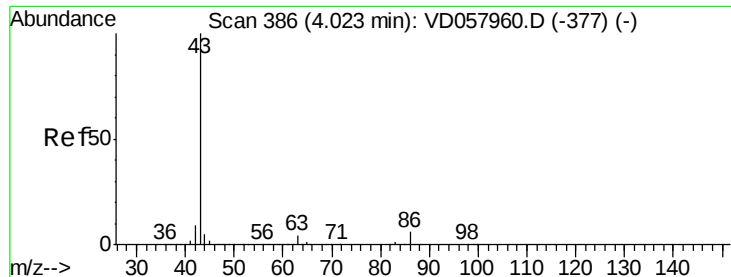
87 16.1 12.5 18.7

59 8.6 7.3 10.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 249.85 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

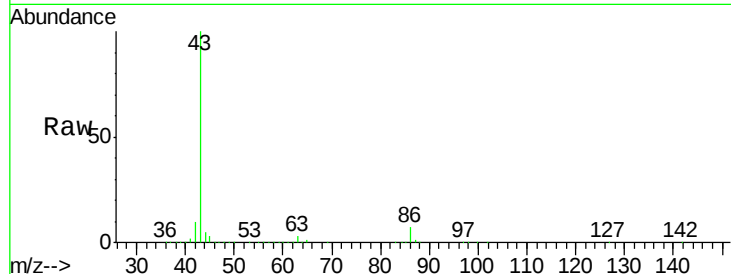
VSTDCCC050

Tot Ion: 43 Resp: 4545799

Ion Ratio Lower Upper

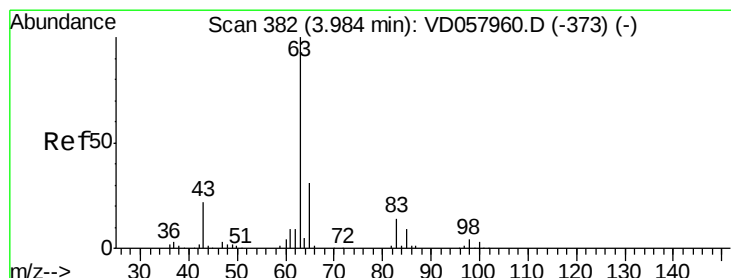
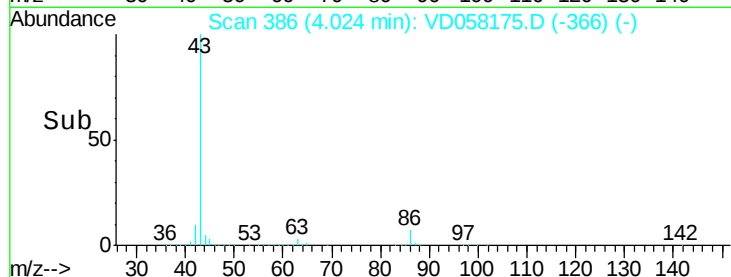
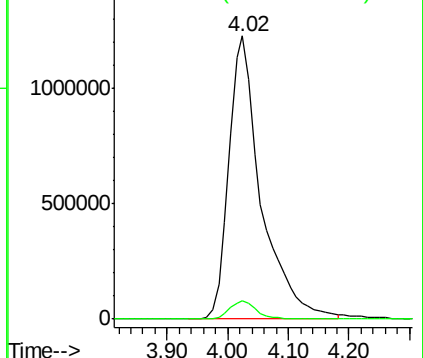
43 100

86 6.6 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.26 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

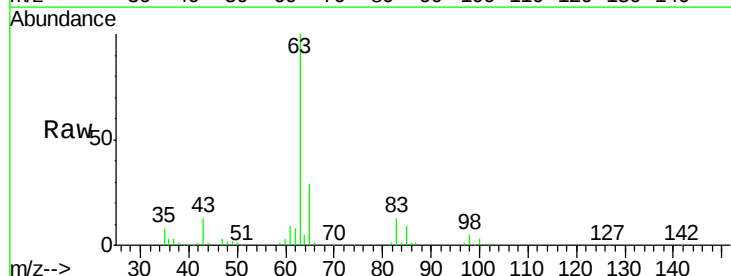
Tgt Ion: 63 Resp: 933959

Ion Ratio Lower Upper

63 100

98 4.7 2.0 5.8

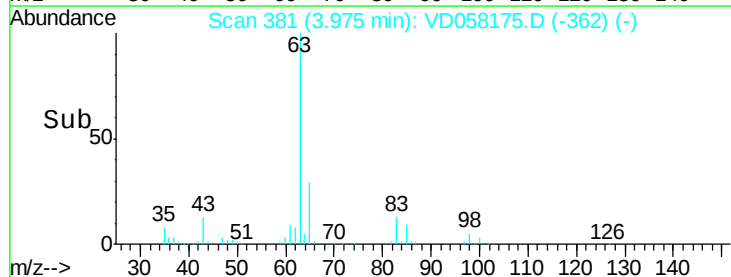
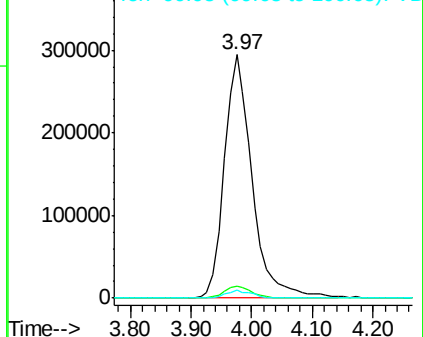
100 3.2 1.4 4.2

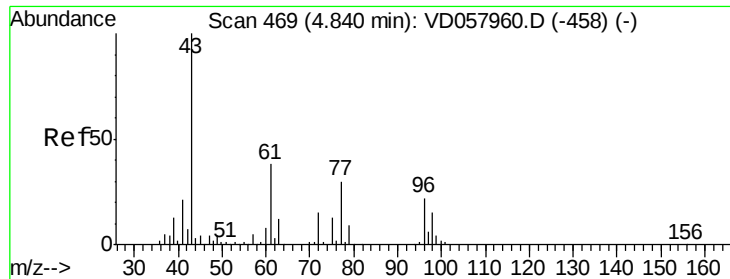


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

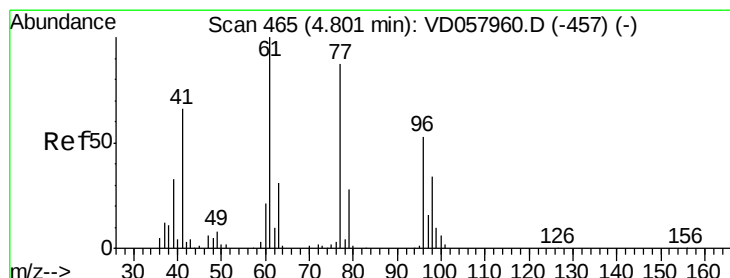
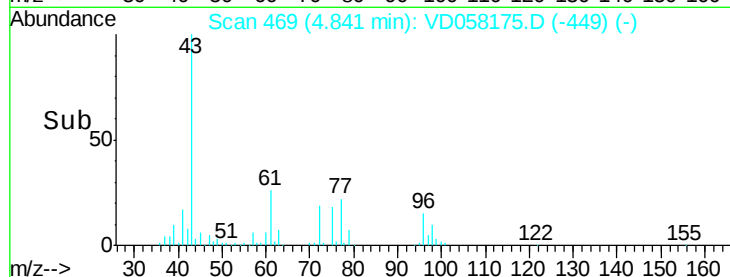
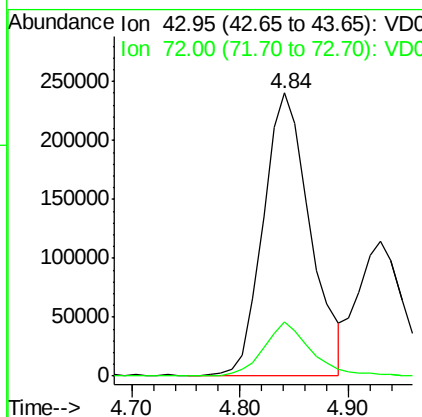
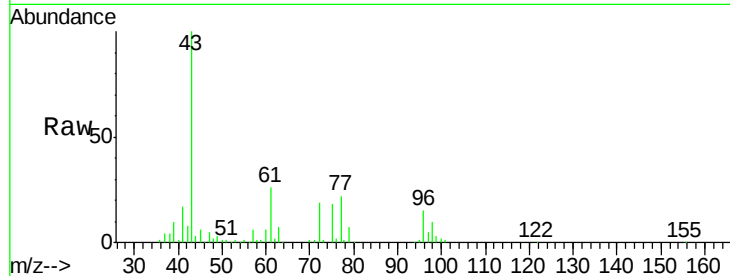




#25
2-Butanone
Concen: 230.82 ug/l
RT: 4.84 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

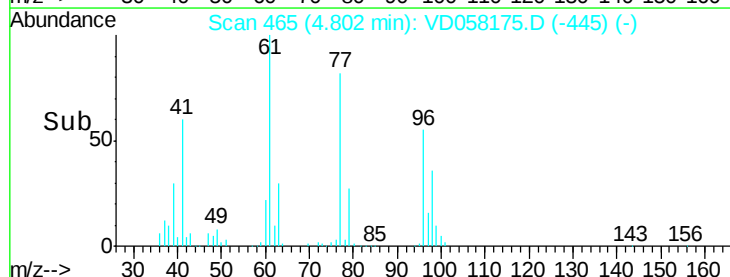
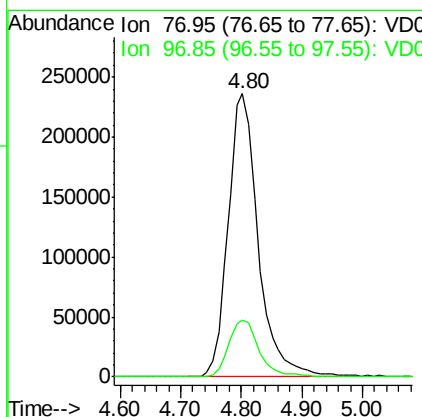
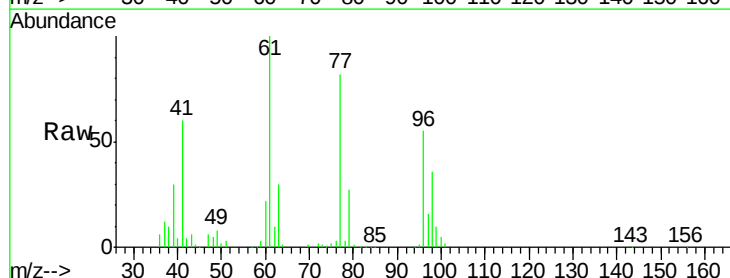
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

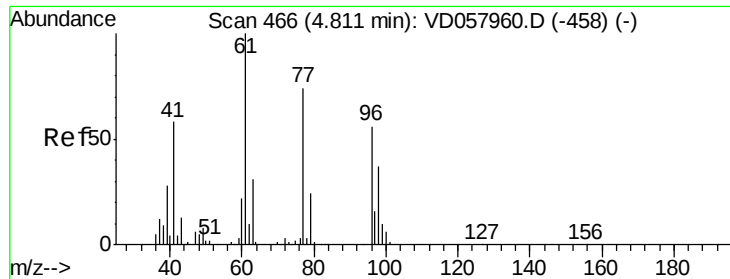
Tot Ion: 43 Resp: 725897
Ion Ratio Lower Upper
43 100
72 18.9 12.0 18.0#



#26
2,2-Dichloropropane
Concen: 50.94 ug/l
RT: 4.80 min Scan# 465
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Tgt Ion: 77 Resp: 812171
Ion Ratio Lower Upper
77 100
97 20.0 9.2 27.6





#27

cis-1,2-Dichloroethene

Concen: 48.04 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

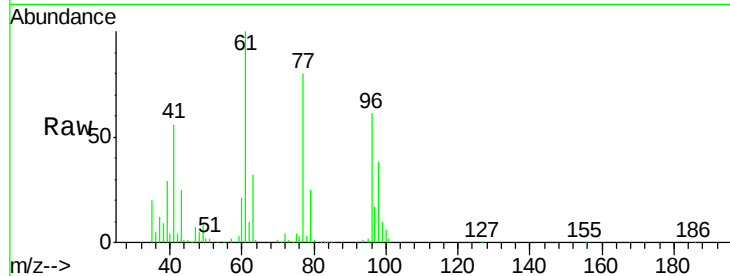
Tot Ion: 96 Resp: 488987

Ion Ratio Lower Upper

96 100

61 164.0 0.0 355.0

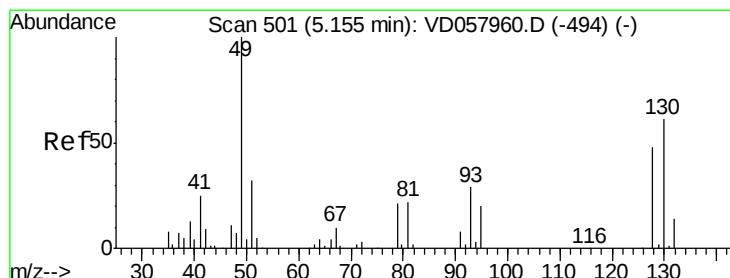
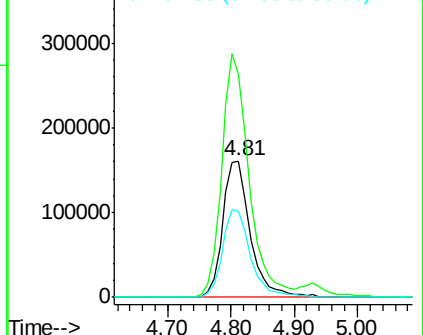
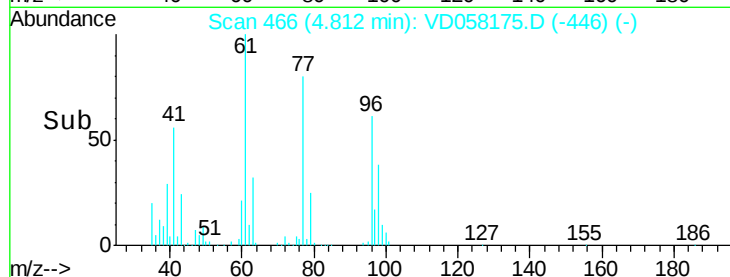
98 63.1 0.0 129.6



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: 47.82 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

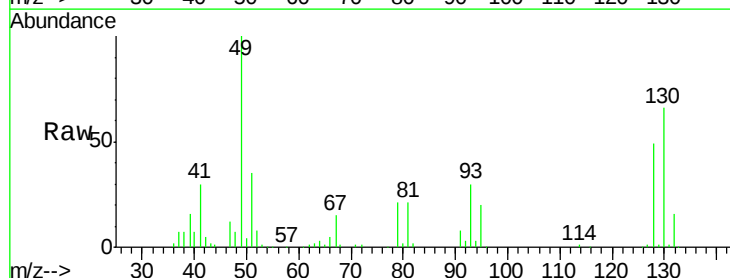
Tgt Ion: 49 Resp: 400557

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.6

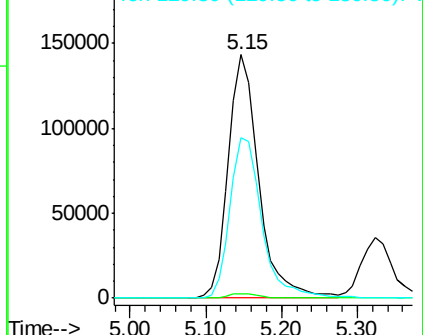
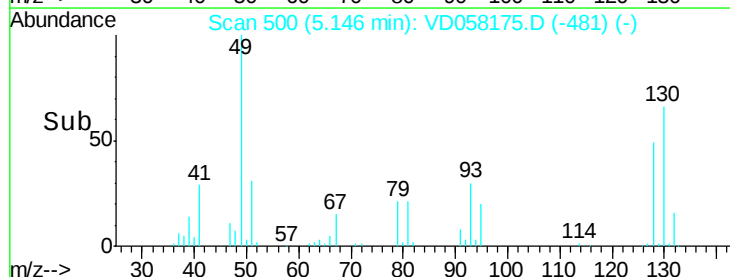
130 65.8 48.8 73.2

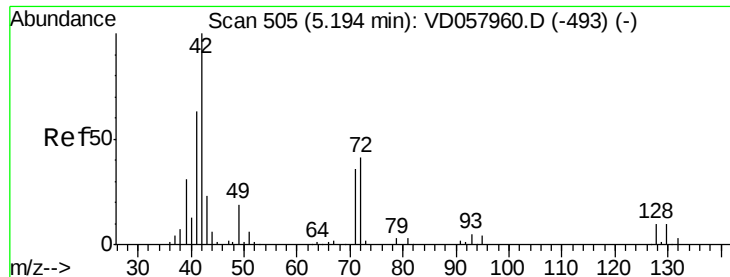


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

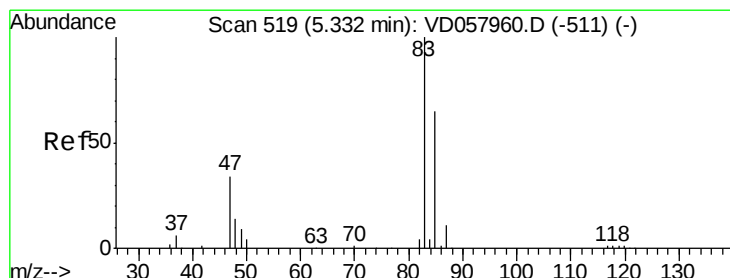
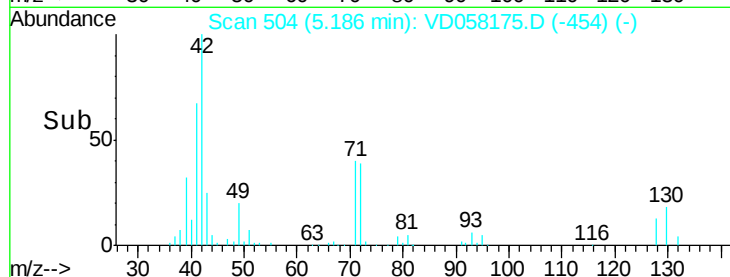
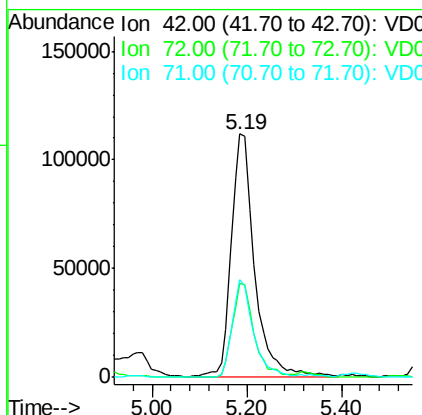
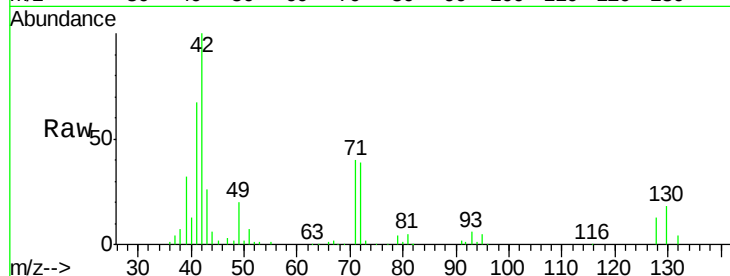




#29
Tetrahydrofuran
Concen: 233.50 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

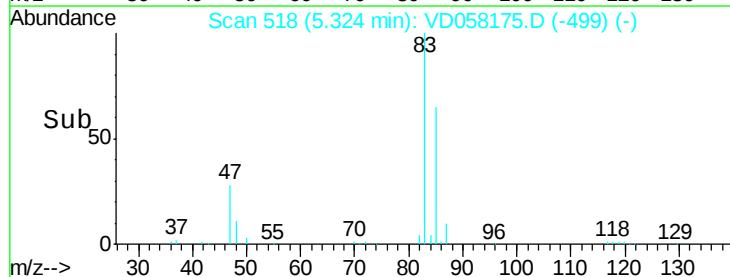
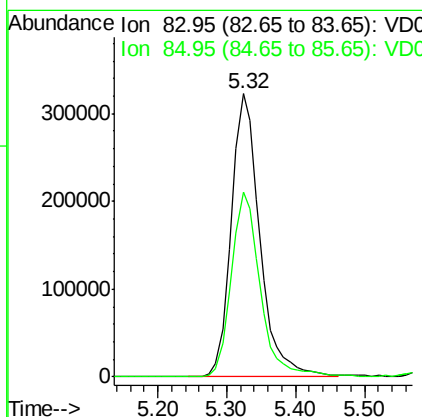
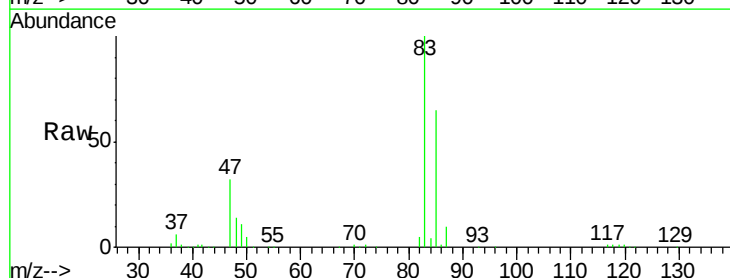
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

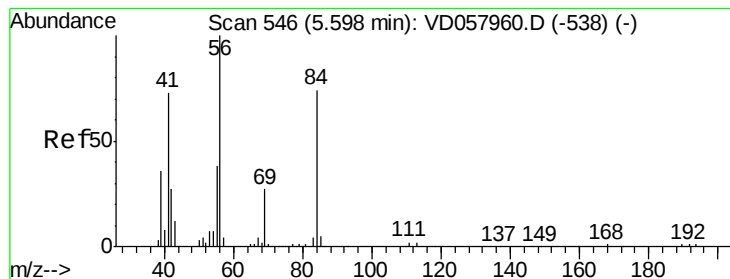
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	28.5	42.7
71	36.0	27.9	41.9



#30
Chloroform
Concen: 47.65 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4





#31

Cyclohexane

Concen: 43.12 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

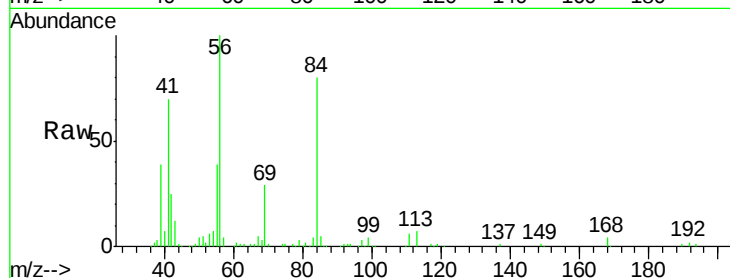
Tot Ion: 56 Resp: 720177

Ion Ratio Lower Upper

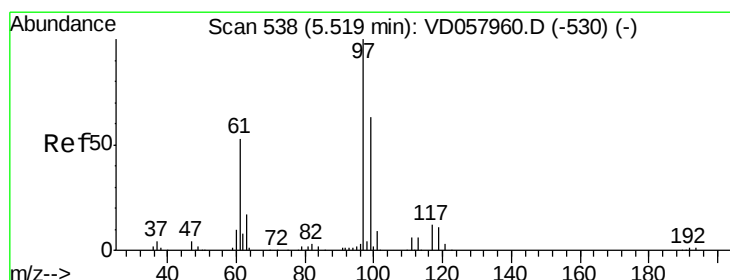
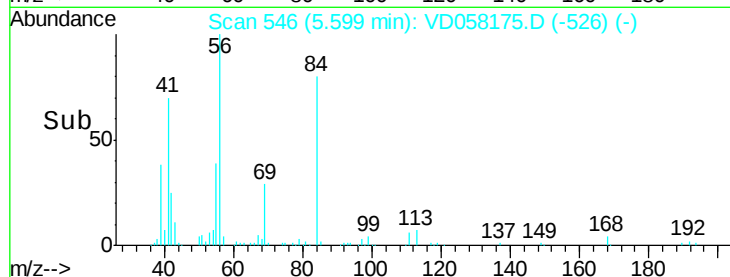
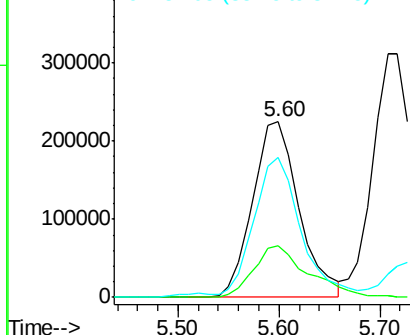
56 100

69 29.2 21.5 32.3

84 79.6 61.0 91.6



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



#32

1,1,1-Trichloroethane

Concen: 50.90 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

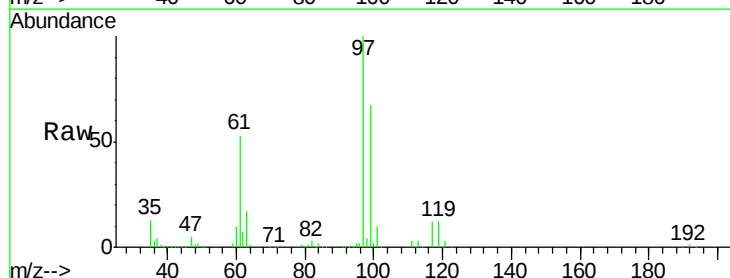
Tgt Ion: 97 Resp: 830124

Ion Ratio Lower Upper

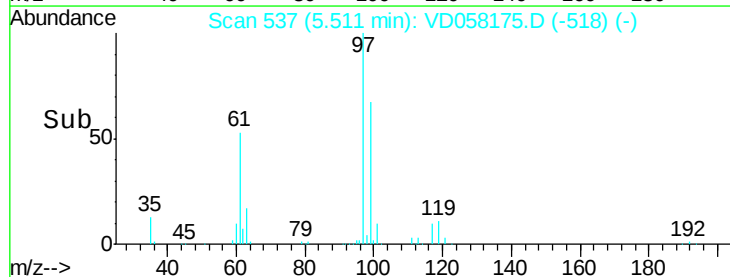
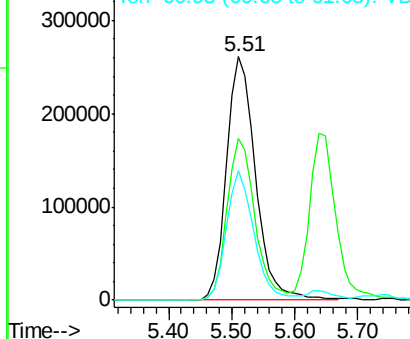
97 100

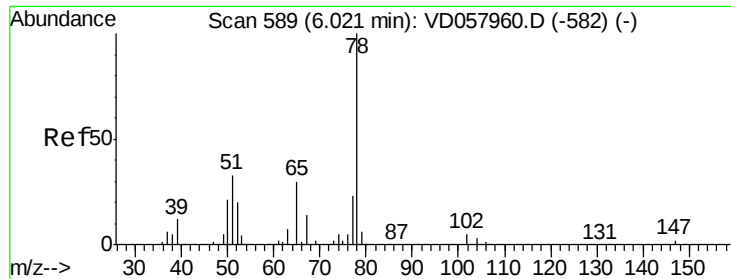
99 66.6 50.1 75.1

61 53.4 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

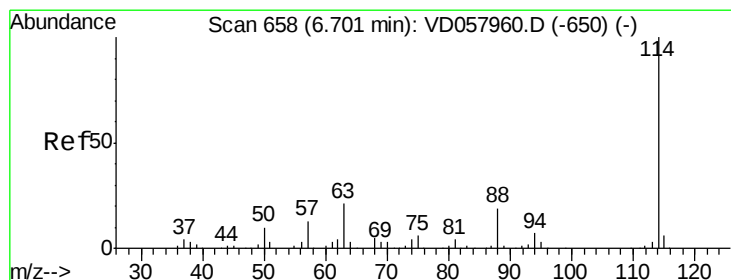
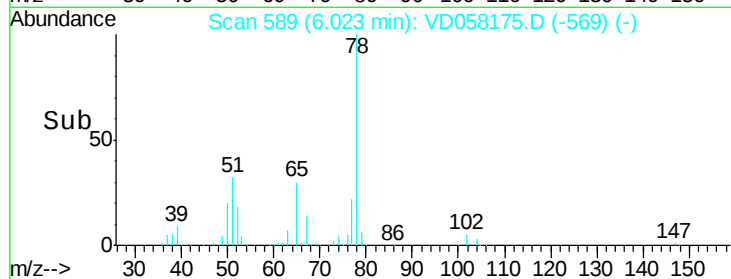
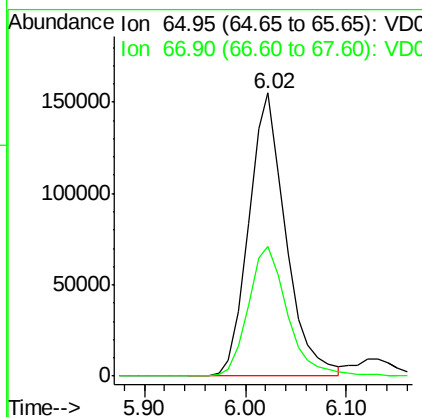
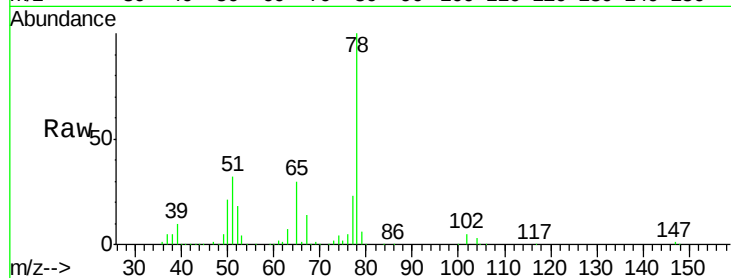




#33
 1,2-Dichloroethane-d4
 Concen: 50.90 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

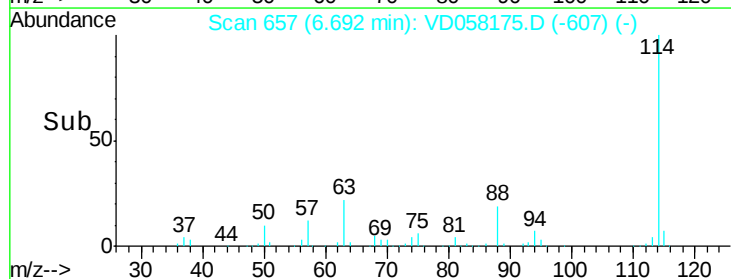
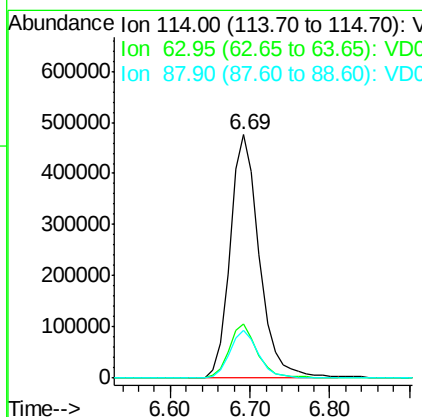
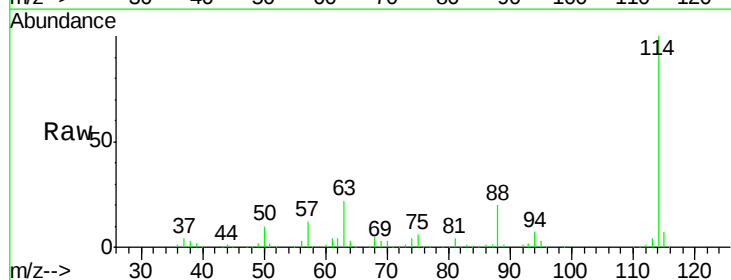
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

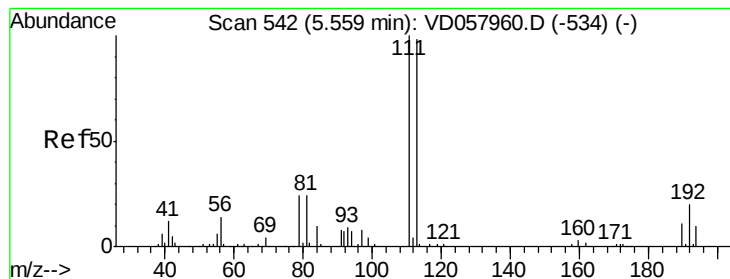
Tot Ion: 65 Resp: 394745
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Tgt Ion: 114 Resp: 1212178
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.8
 88 19.5 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

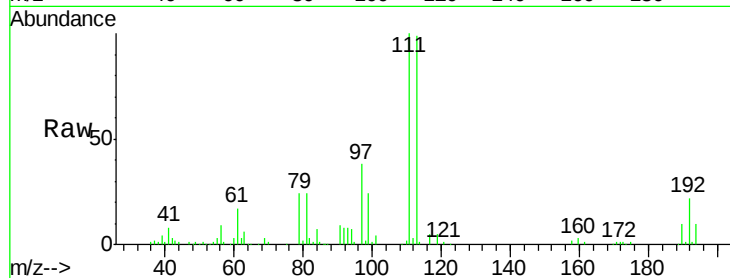
Tot Ion:113 Resp: 444398

Ion Ratio Lower Upper

113 100

111 101.5 81.5 122.3

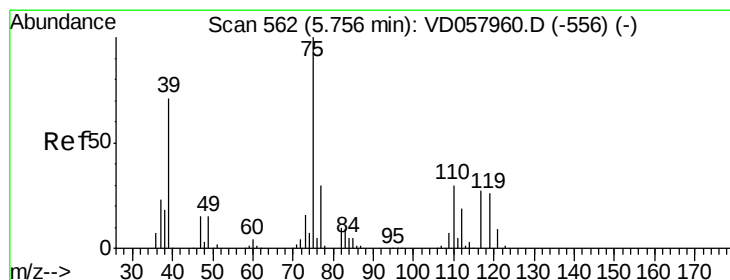
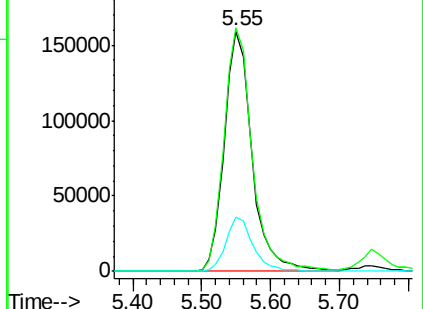
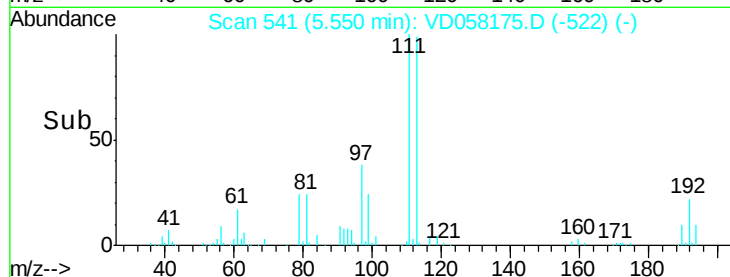
192 22.6 16.4 24.6



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: 48.79 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

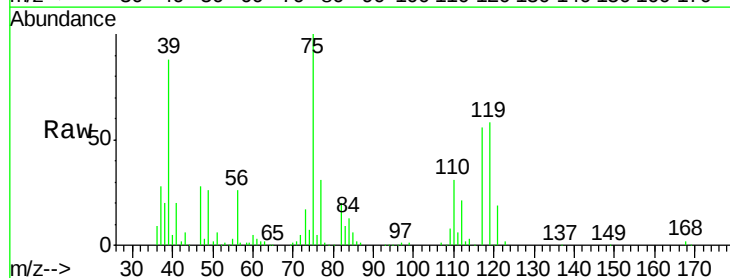
Tgt Ion: 75 Resp: 651528

Ion Ratio Lower Upper

75 100

110 30.8 14.8 44.3

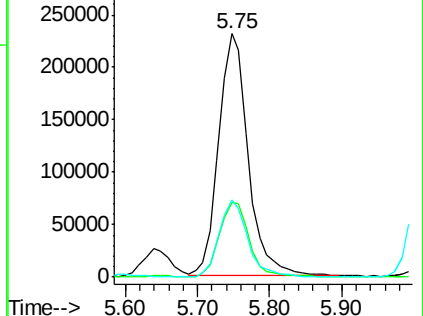
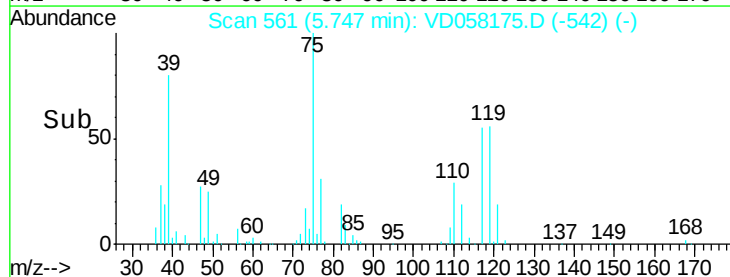
77 31.5 23.9 35.9

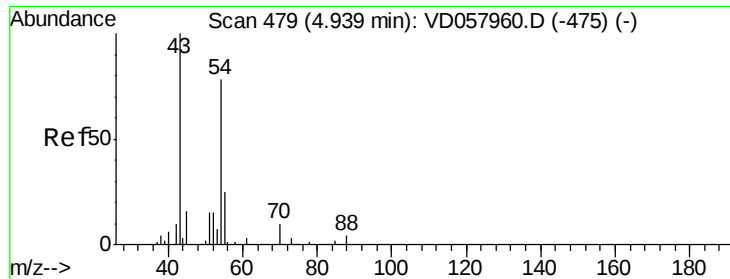


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

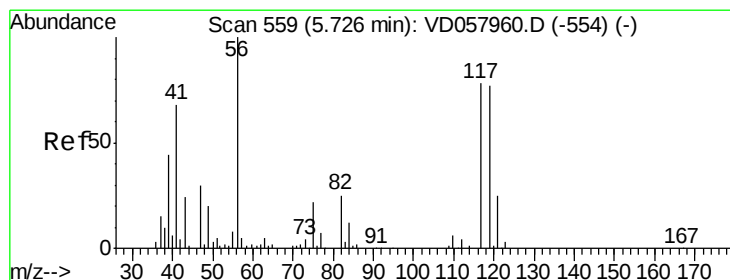
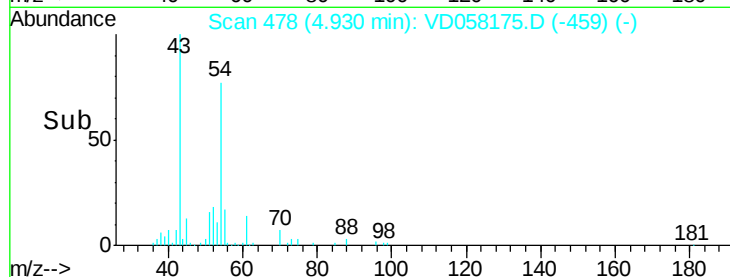
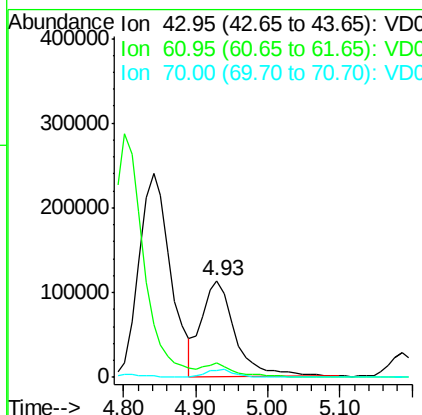
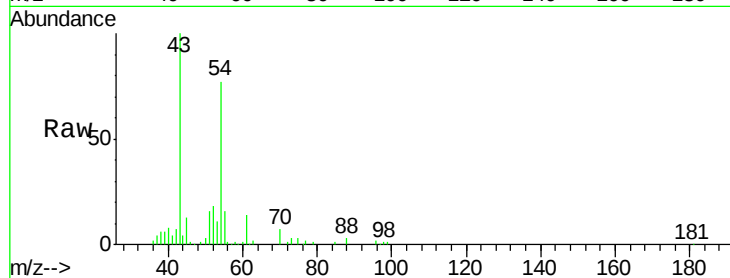




#37
Ethyl Acetate
Concen: 49.06 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

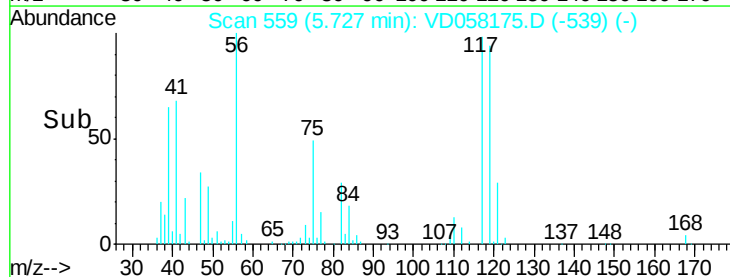
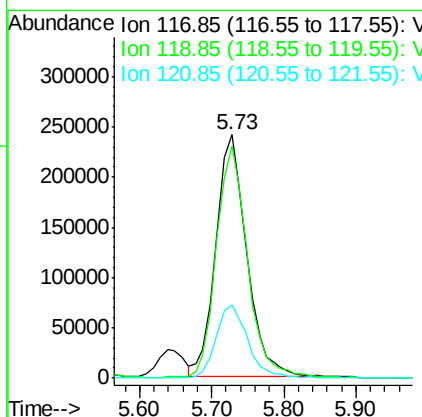
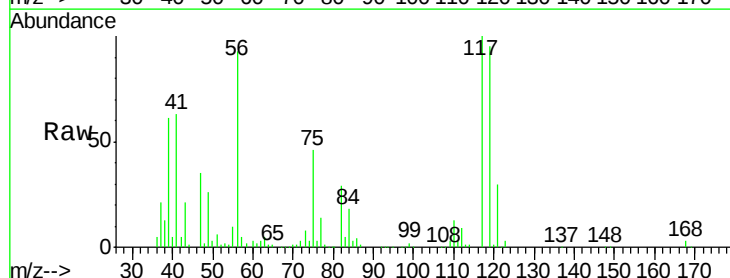
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

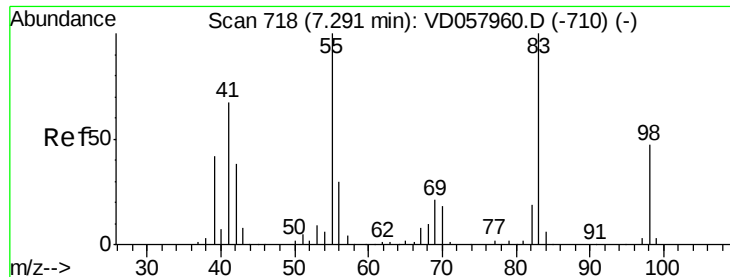
Tot Ion: 43 Resp: 357499
Ion Ratio Lower Upper
43 100
61 14.3 9.9 14.9
70 6.6 5.7 8.5



#38
Carbon Tetrachloride
Concen: 54.09 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Tgt Ion: 117 Resp: 711876
Ion Ratio Lower Upper
117 100
119 95.3 76.1 114.1
121 30.1 24.9 37.3

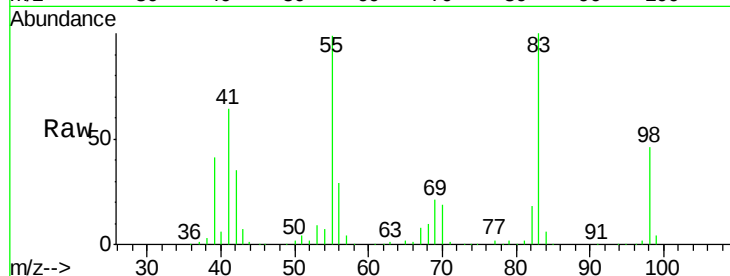




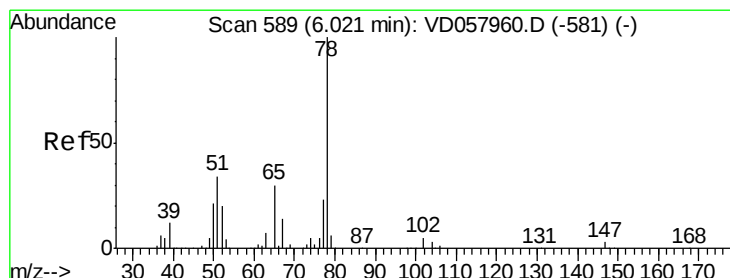
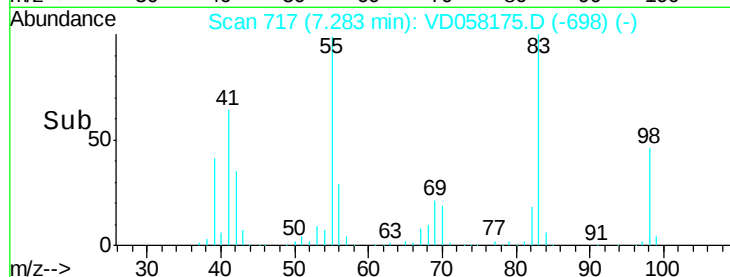
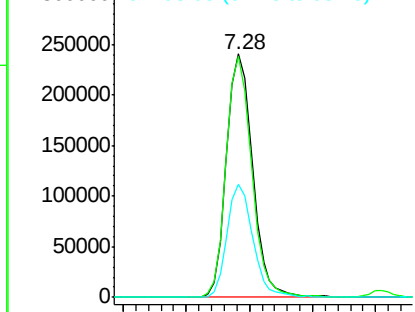
#39
Methvlcvclohexane
Concen: 52.56 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 695797
Ion Ratio Lower Upper
83 100
55 98.8 80.3 120.5
98 46.5 38.0 57.0

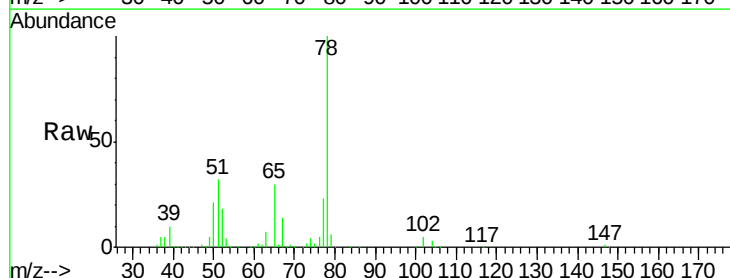


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

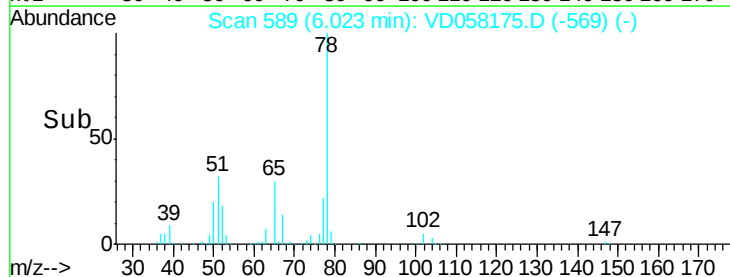
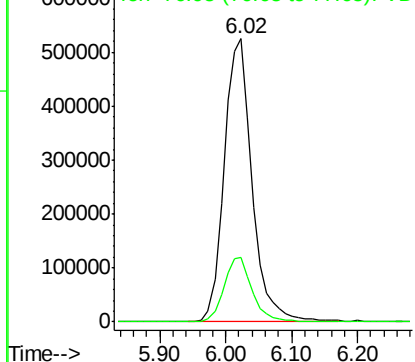


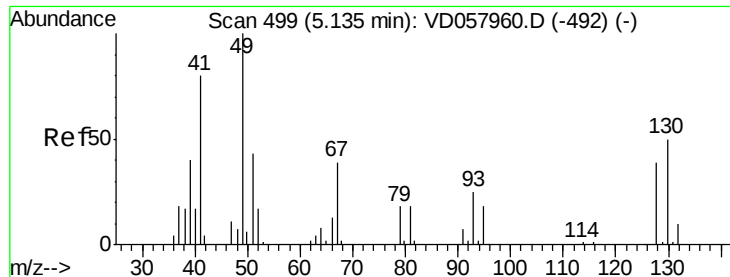
#40
Benzene
Concen: 49.79 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Tgt Ion: 78 Resp: 1553471
Ion Ratio Lower Upper
78 100
77 22.7 18.1 27.1



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





#41

Methacrylonitrile

Concen: 54.97 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 183148

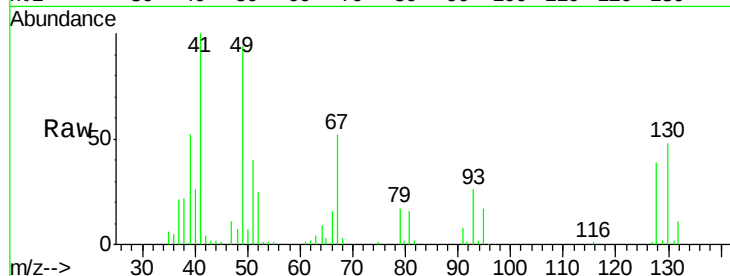
Ion Ratio Lower Upper

41 100

39 51.6 40.7 61.1

67 51.6 38.8 58.2

52 25.2 17.3 25.9

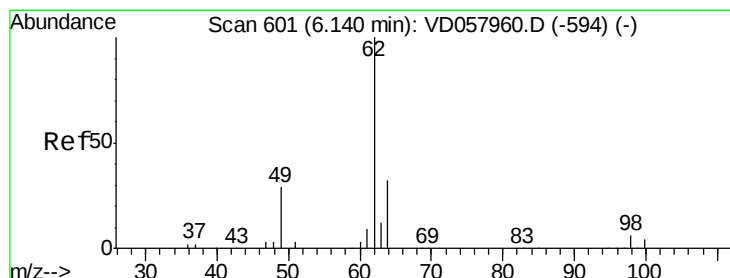
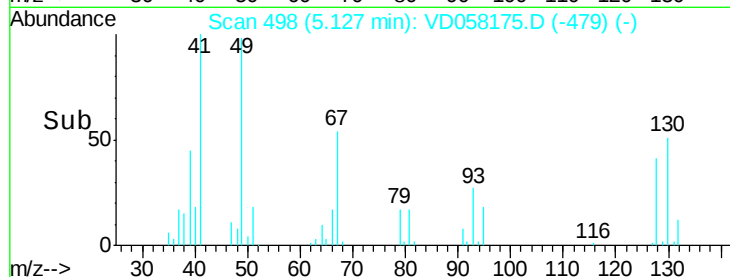
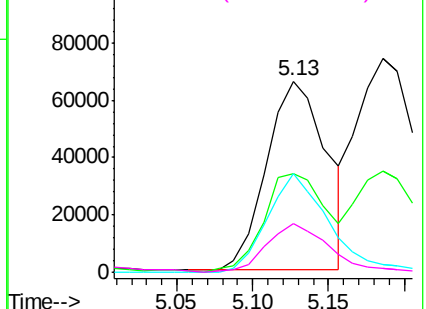


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 50.81 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD058175.D

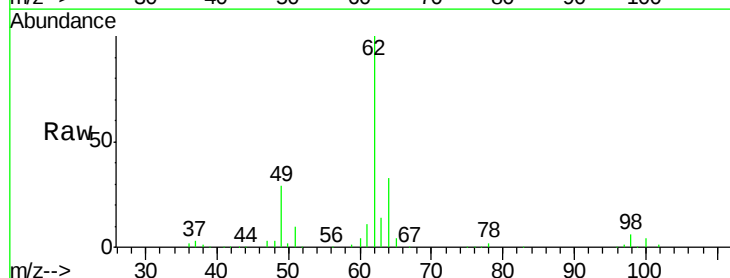
Acq: 18 Jun 2018 12:04

Tgt Ion: 62 Resp: 640944

Ion Ratio Lower Upper

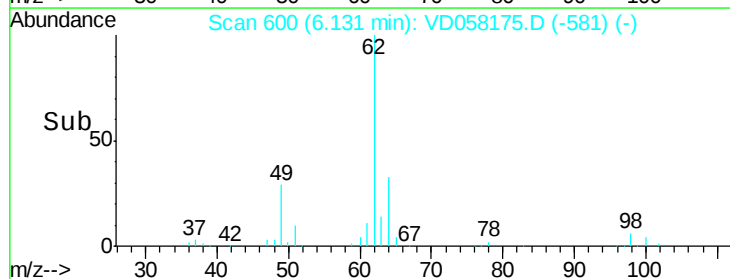
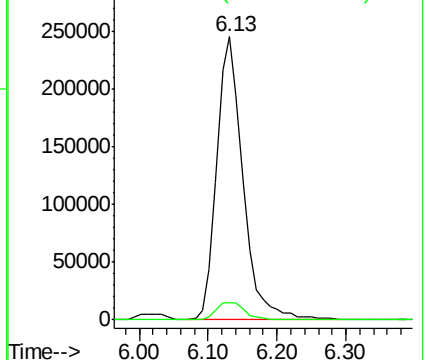
62 100

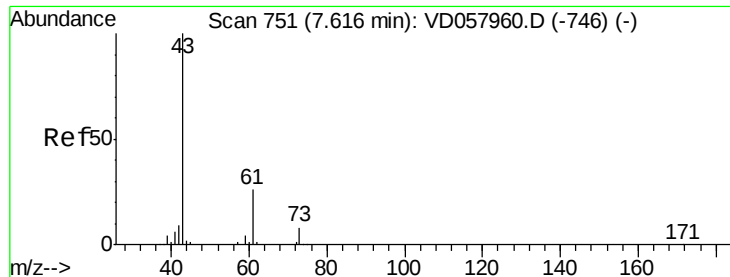
98 6.2 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



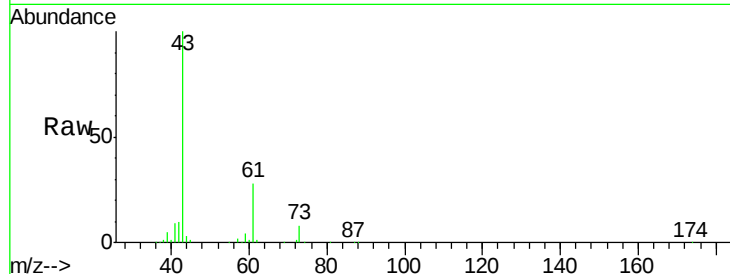


#43

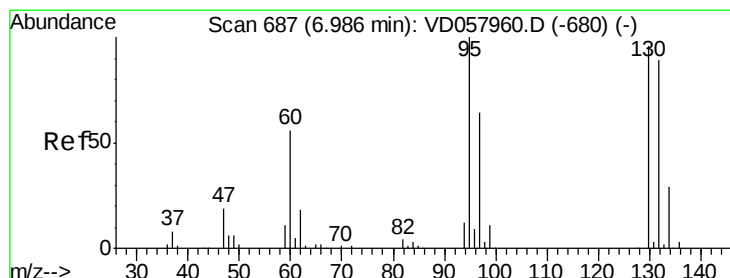
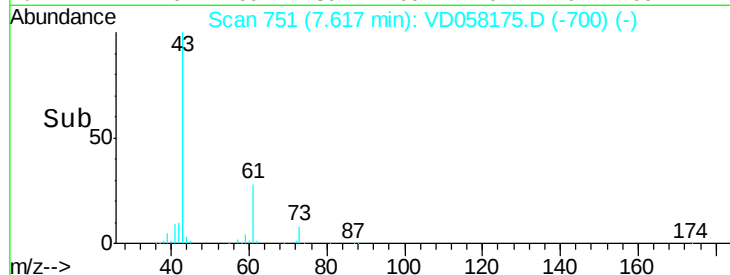
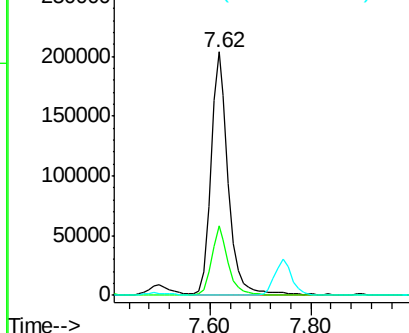
Isopropyl Acetate
 Concen: 51.03 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 487048
 Ion Ratio Lower Upper
 43 100
 61 28.3 20.6 30.8
 87 0.3 0.2 0.4



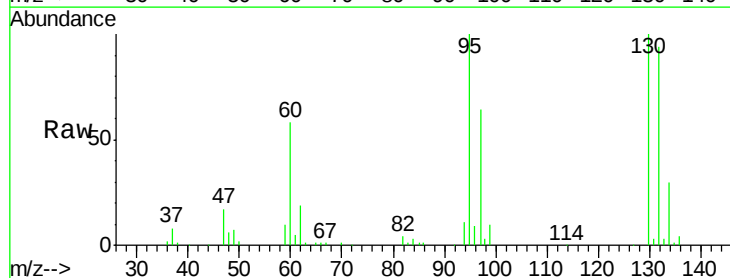
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



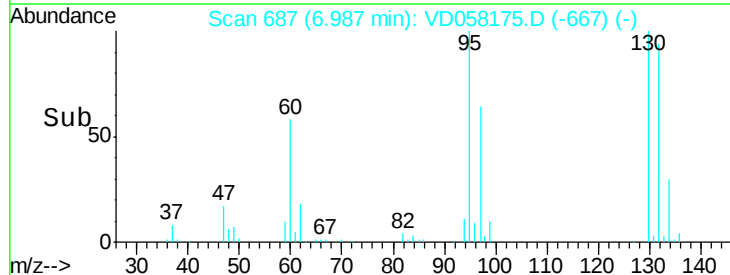
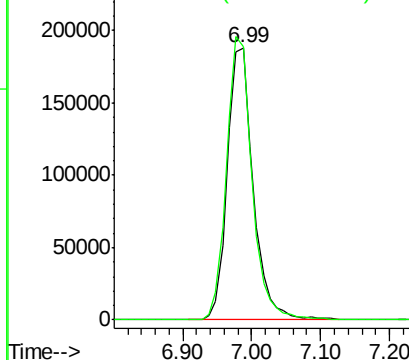
#44

Trichloroethene
 Concen: 53.85 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Tgt Ion: 130 Resp: 490764
 Ion Ratio Lower Upper
 130 100
 95 100.1 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: 51.97 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

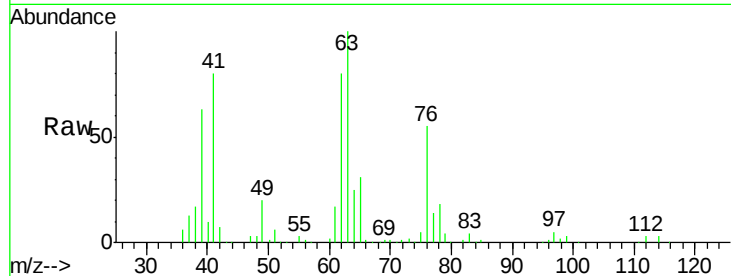
VSTDCCC050

Tot Ion: 63 Resp: 450649

Ion Ratio Lower Upper

63 100

65 30.9 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.35

200000

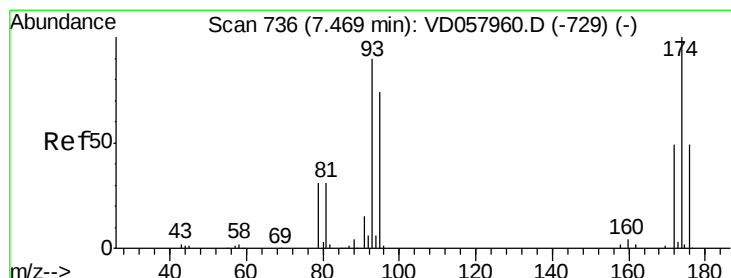
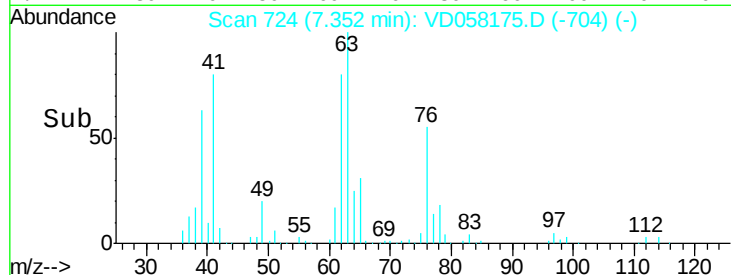
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.00 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

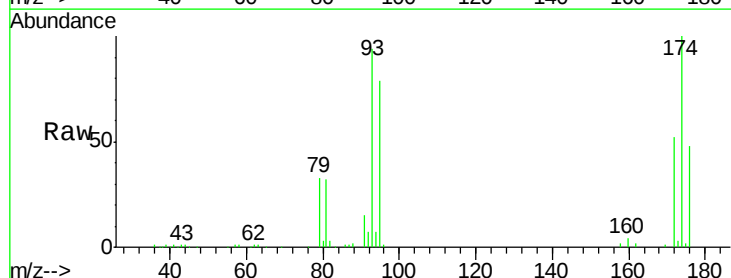
Tgt Ion: 93 Resp: 289639

Ion Ratio Lower Upper

93 100

95 84.4 65.7 98.5

174 106.9 89.0 133.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

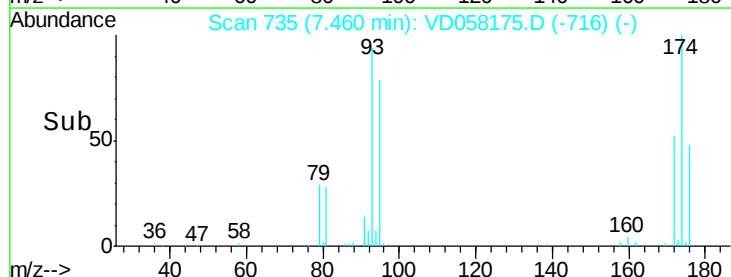
150000

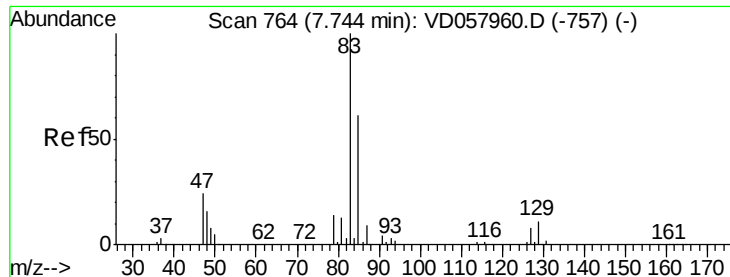
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 53.71 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

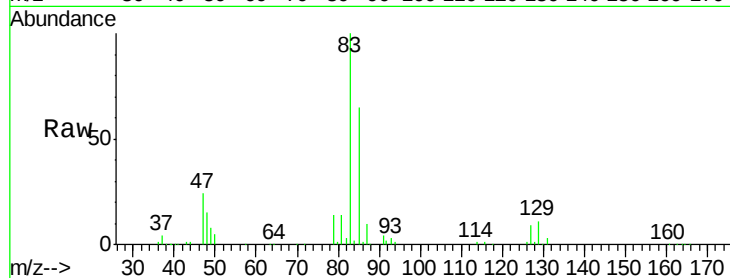
Tot Ion: 83 Resp: 700482

Ion Ratio Lower Upper

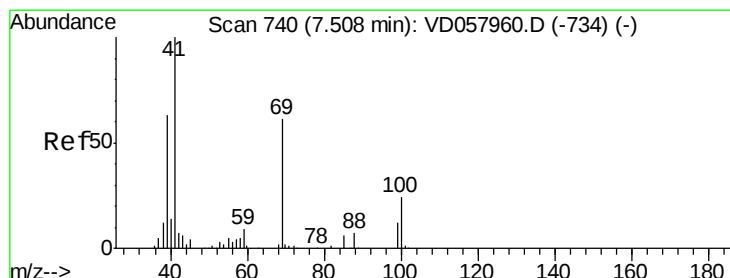
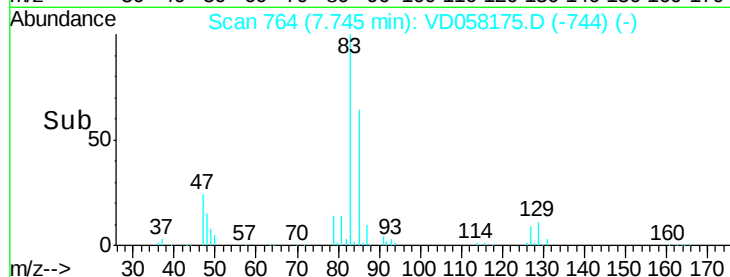
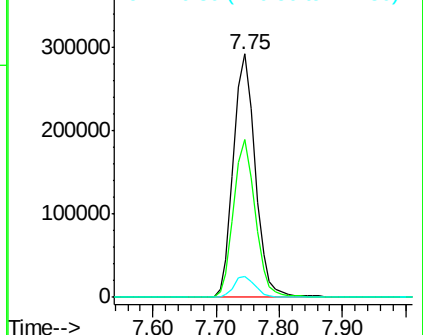
83 100

85 64.9 49.1 73.7

127 8.7 6.2 9.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 49.81 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

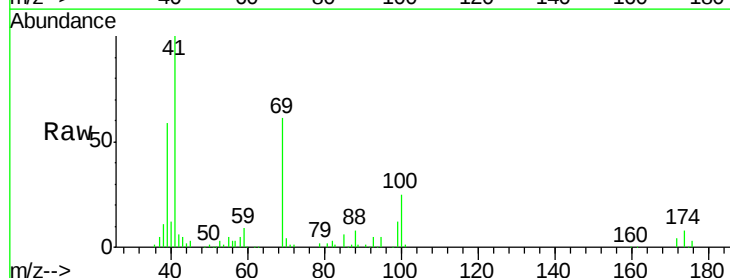
Tgt Ion: 41 Resp: 292645

Ion Ratio Lower Upper

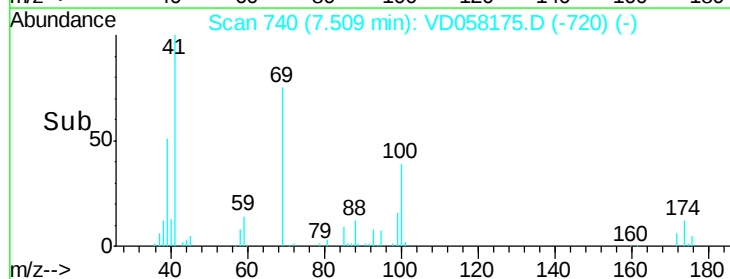
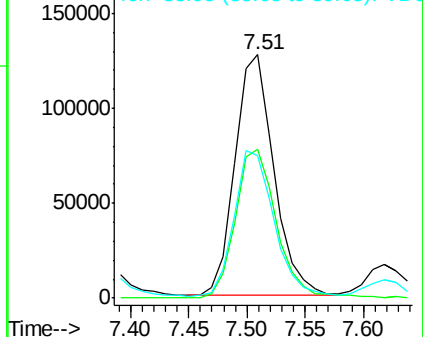
41 100

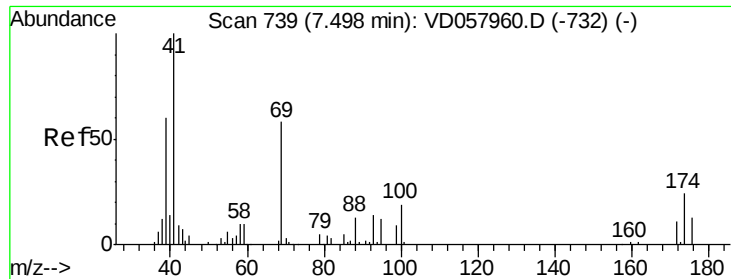
69 61.0 48.0 72.0

39 58.6 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: 991.54 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

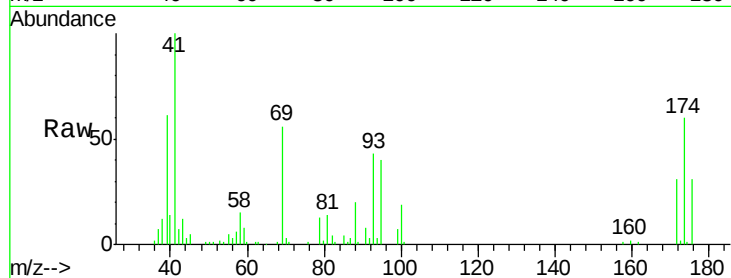
Tot Ion: 88 Resp: 48257

Ion Ratio Lower Upper

88 100

43 57.7 46.6 69.8

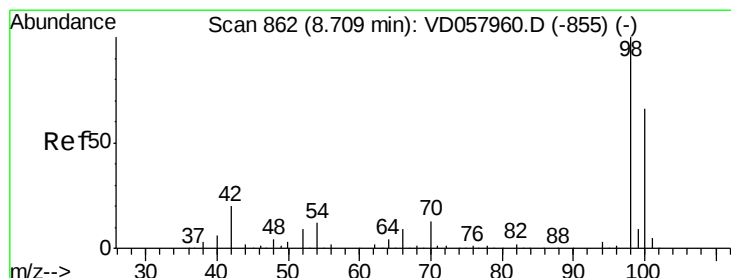
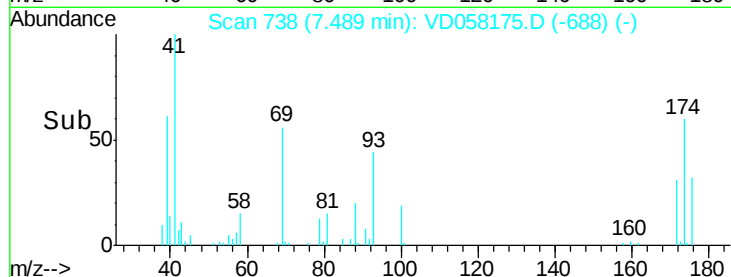
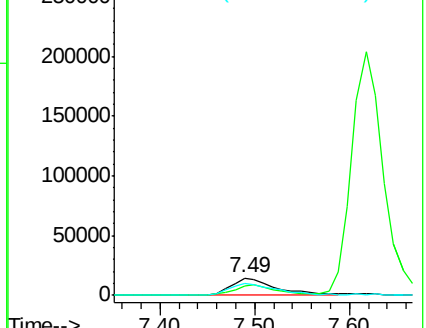
58 71.7 63.6 95.4



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: 991.54 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058175.D

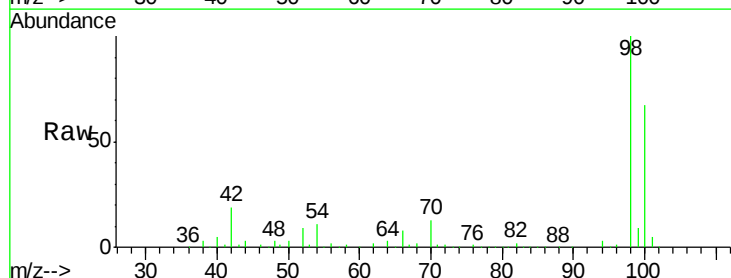
Acq: 18 Jun 2018 12:04

Tgt Ion: 98 Resp: 1020689

Ion Ratio Lower Upper

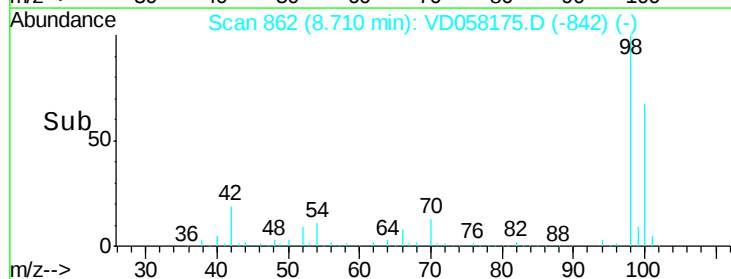
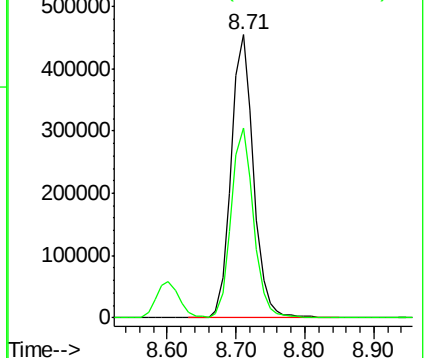
98 100

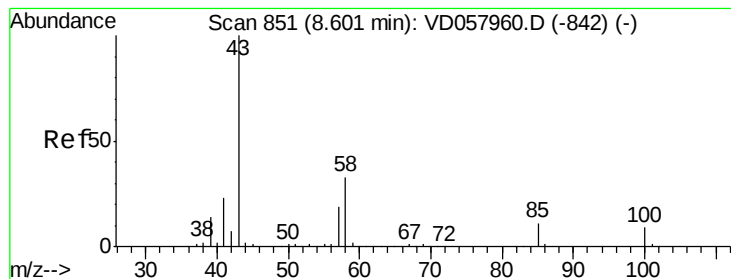
100 67.0 53.4 80.0



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: 251.13 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

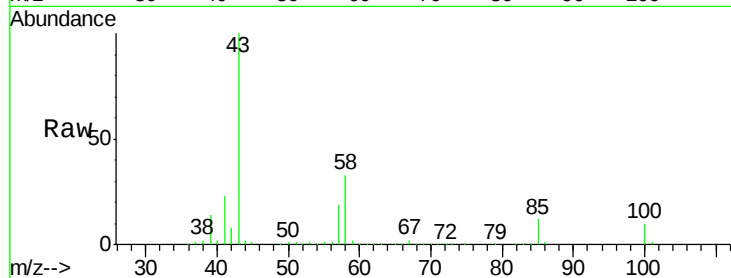
VSTDCCC050

Tot Ion: 43 Resp: 1537503

Ion Ratio Lower Upper

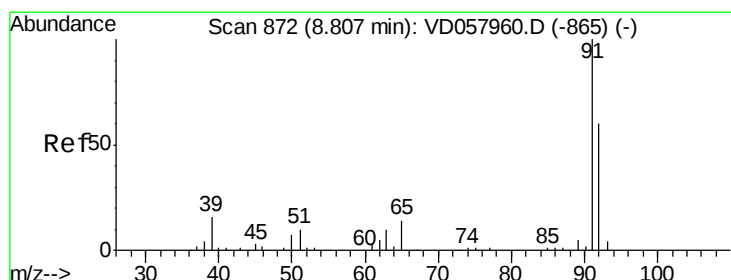
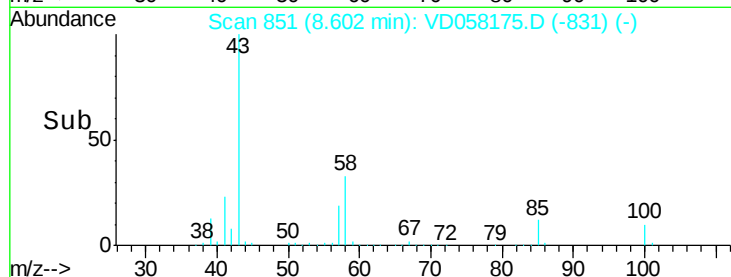
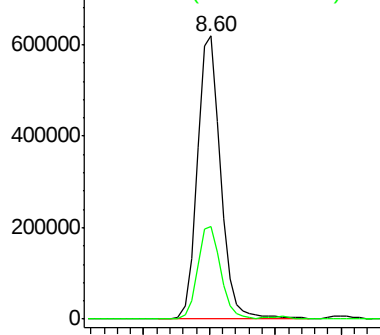
43 100

58 32.6 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: 51.30 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058175.D

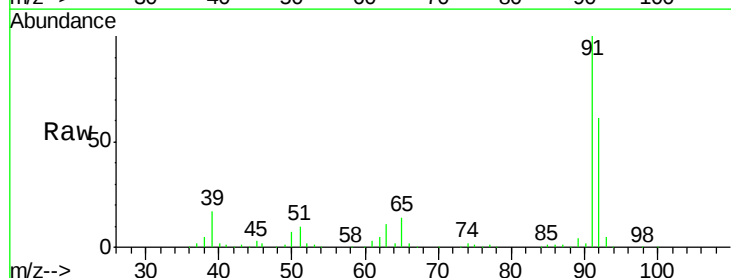
Acq: 18 Jun 2018 12:04

Tgt Ion: 92 Resp: 918449

Ion Ratio Lower Upper

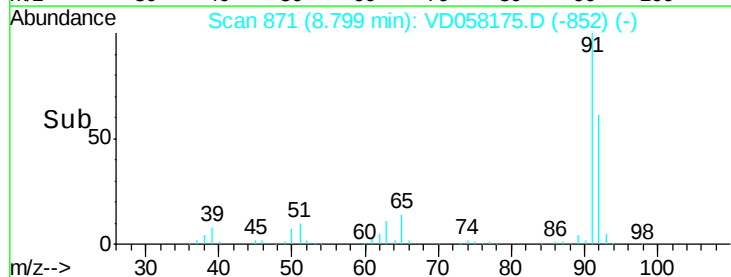
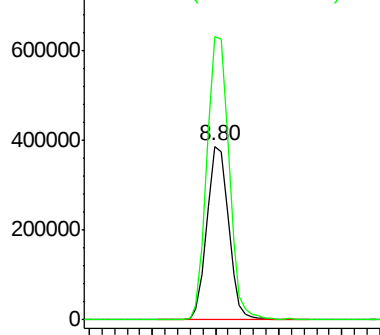
92 100

91 162.7 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

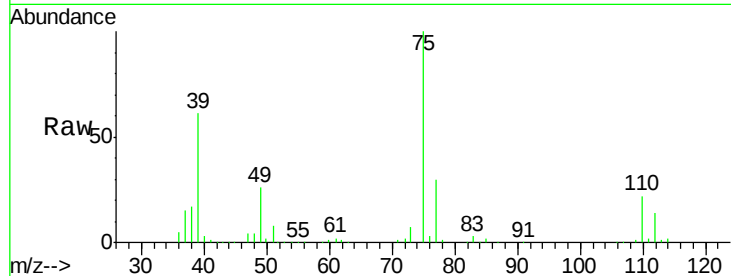




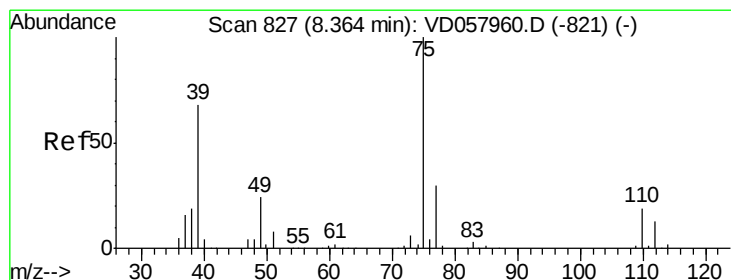
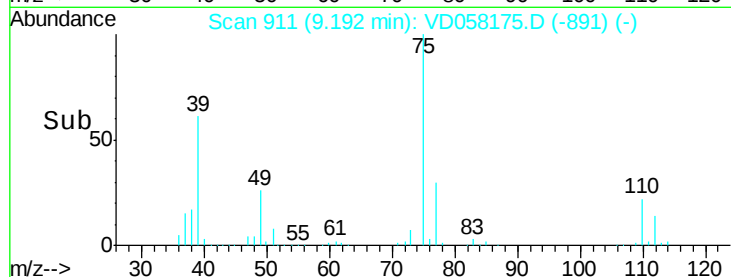
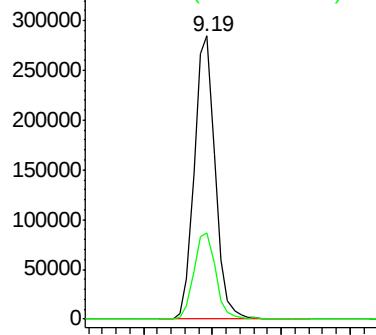
#53
 t-1,3-Dichloropropene
 Concen: 53.11 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 596762
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.3 36.5

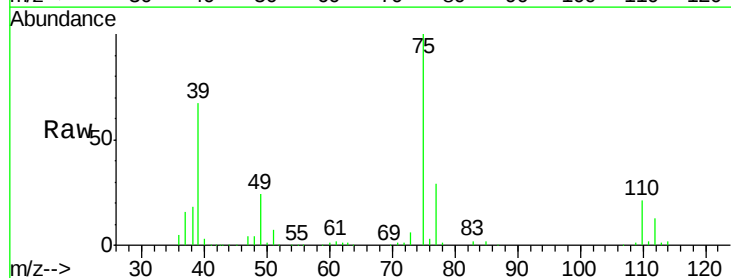


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

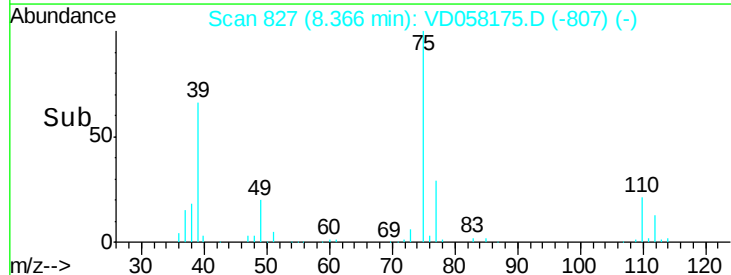
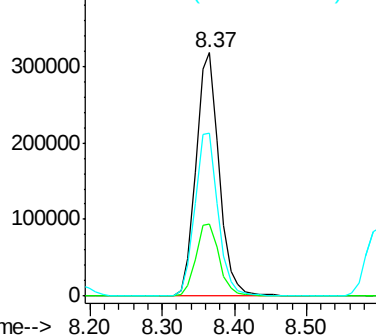


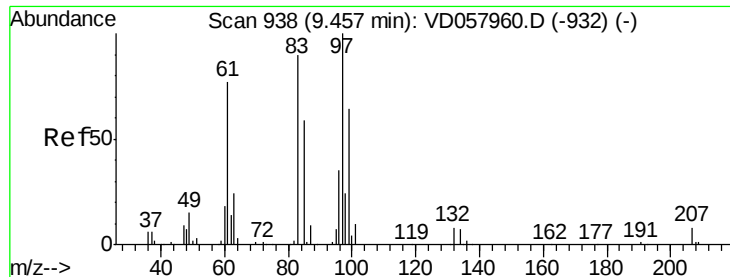
#54
 cis-1,3-Dichloropropene
 Concen: 53.36 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Tgt Ion: 75 Resp: 706352
 Ion Ratio Lower Upper
 75 100
 77 29.5 24.1 36.1
 39 67.1 54.0 81.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 53.07 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 307545

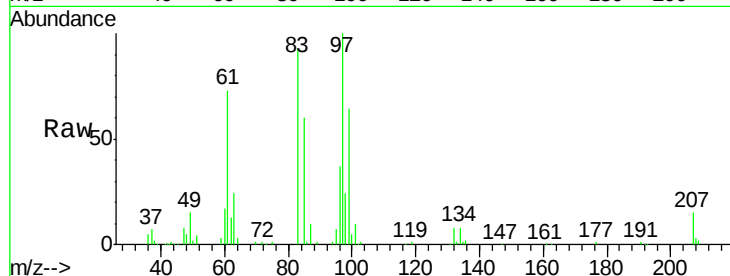
Ion Ratio Lower Upper

97 100

83 93.5 71.8 107.8

85 59.6 47.2 70.8

99 64.0 51.4 77.0

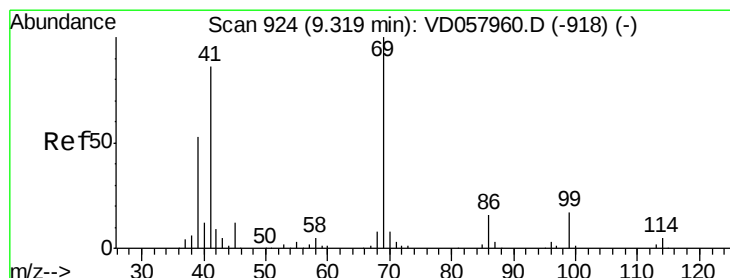
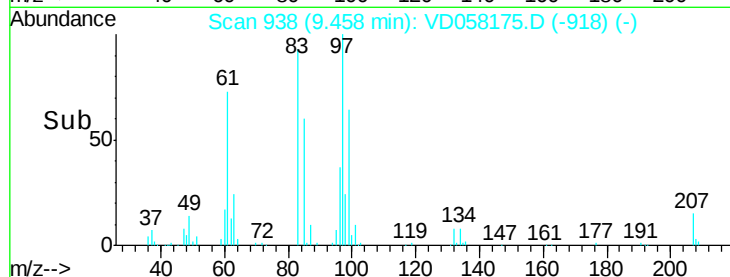
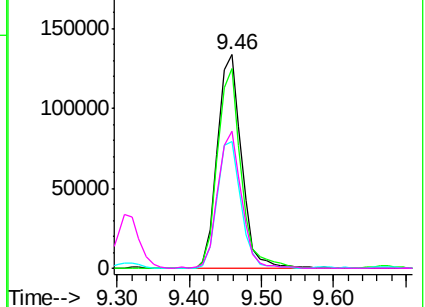


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 53.22 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

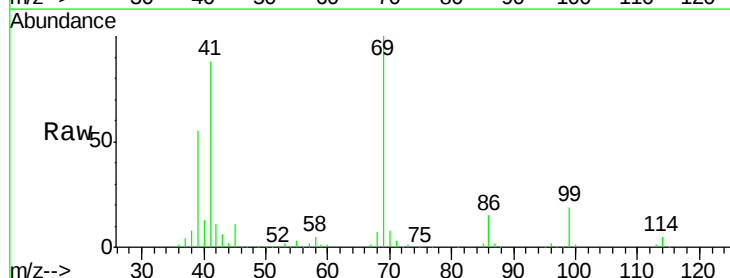
Tgt Ion: 69 Resp: 378297

Ion Ratio Lower Upper

69 100

41 87.6 68.4 102.6

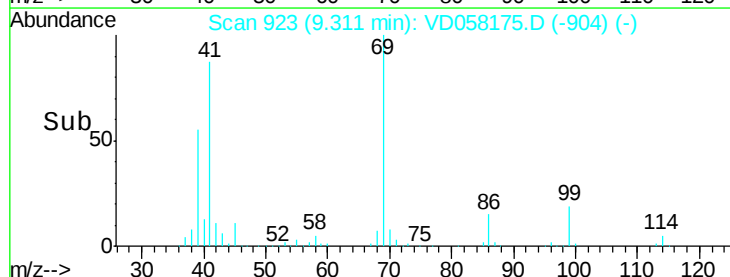
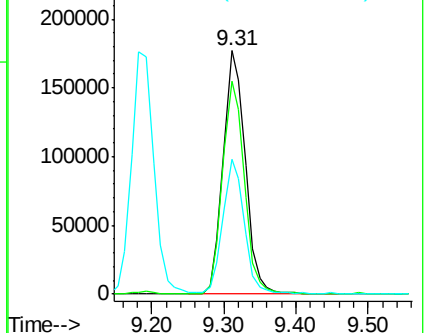
39 55.3 43.0 64.4

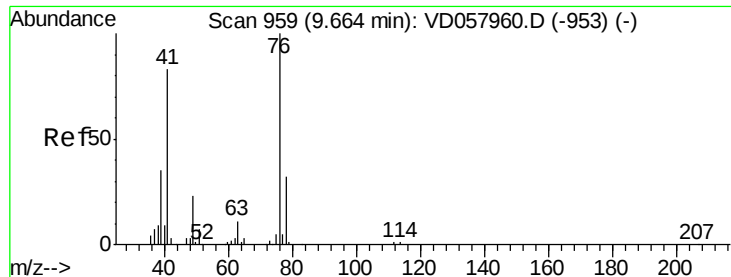


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 53.04 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

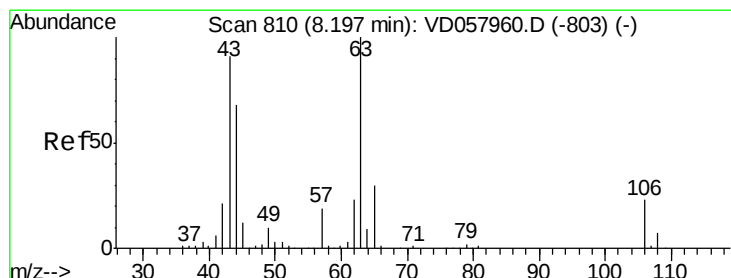
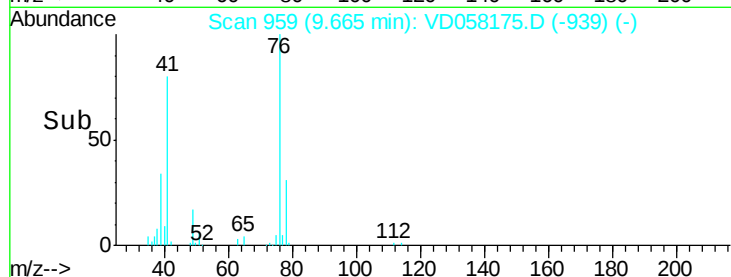
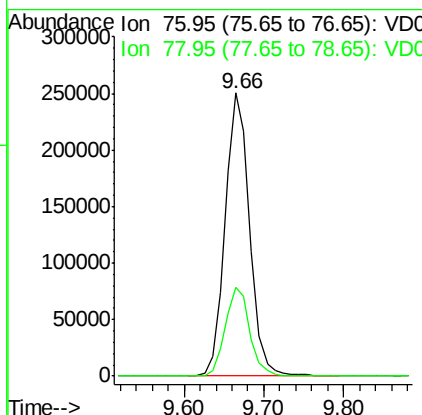
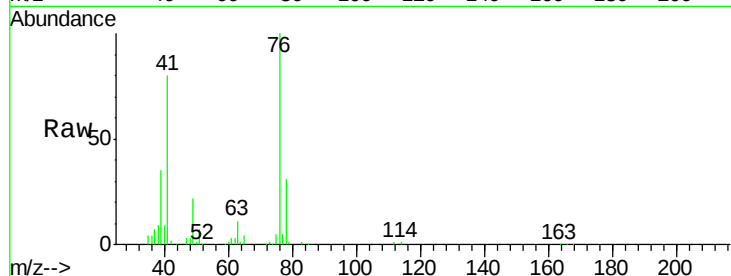
VSTDCCC050

Tot Ion: 76 Resp: 539056

Ion Ratio Lower Upper

76 100

78 31.4 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 250.31 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD058175.D

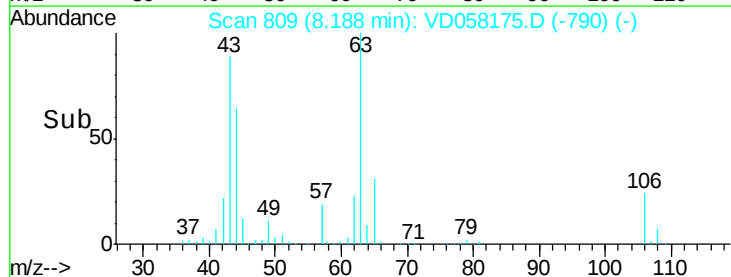
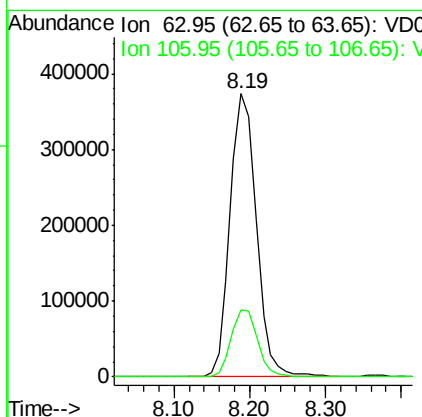
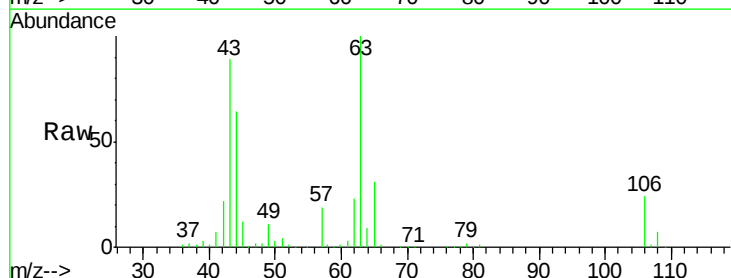
Acq: 18 Jun 2018 12:04

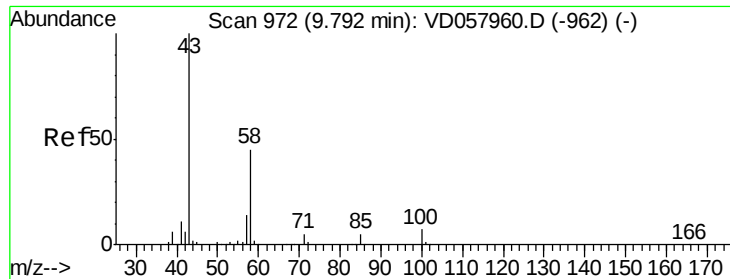
Tgt Ion: 63 Resp: 898924

Ion Ratio Lower Upper

63 100

106 23.6 18.7 28.1





#59

2-Hexanone

Concen: 264.28 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

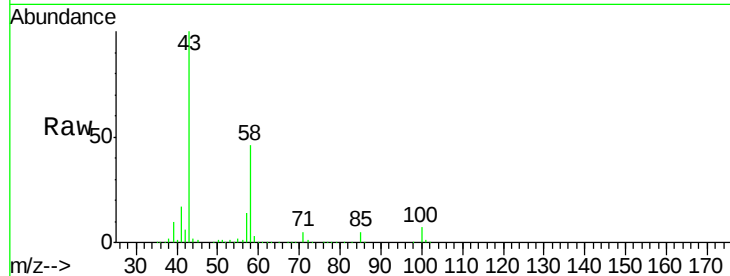
VSTDCCC050

Tot Ion: 43 Resp: 1185707

Ion Ratio Lower Upper

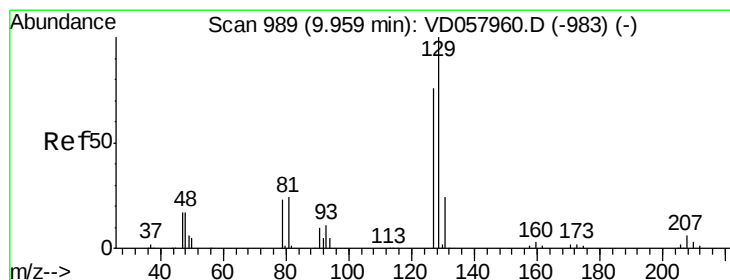
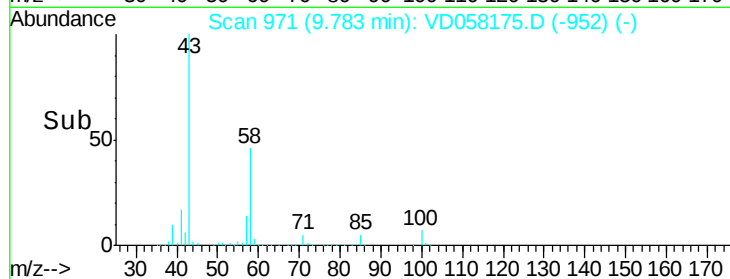
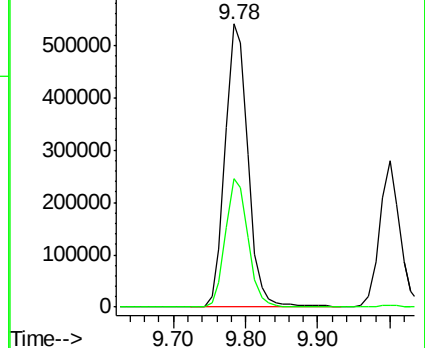
43 100

58 45.6 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: 56.31 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD058175.D

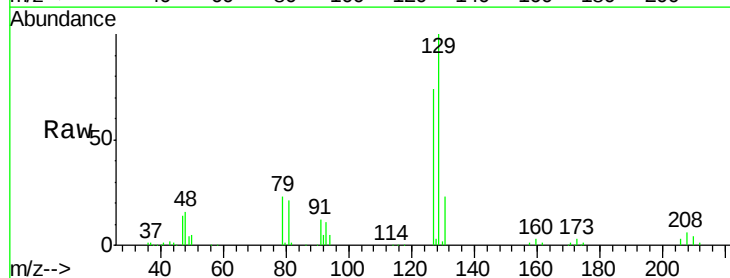
Acq: 18 Jun 2018 12:04

Tgt Ion:129 Resp: 460134

Ion Ratio Lower Upper

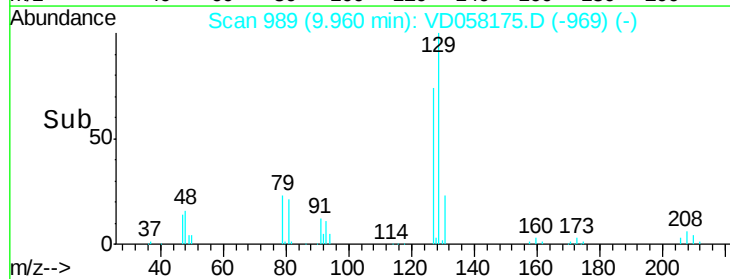
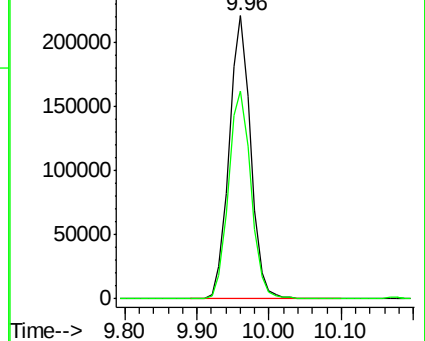
129 100

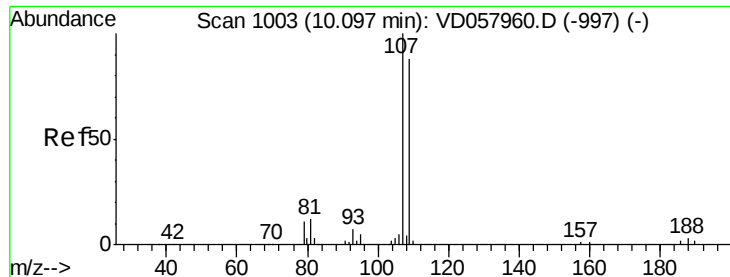
127 73.5 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 52.34 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

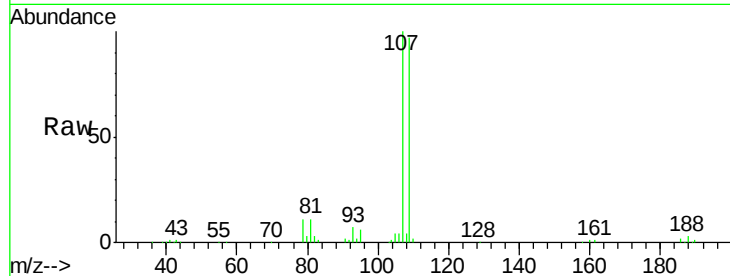
VSTDCCC050

Tot Ion:107 Resp: 348787

Ion Ratio Lower Upper

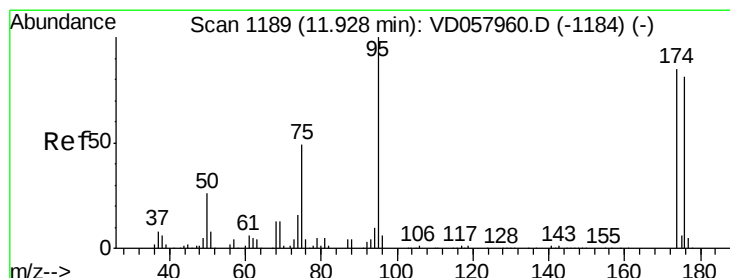
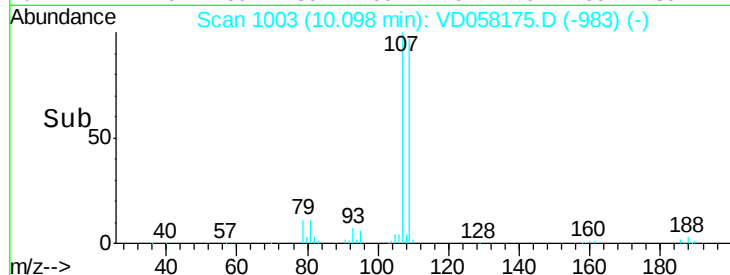
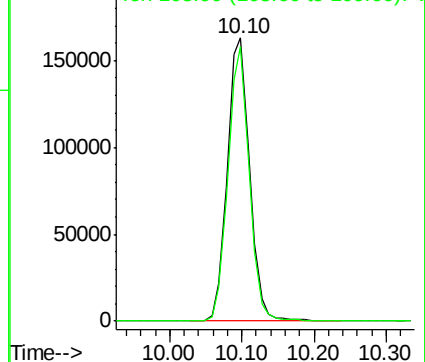
107 100

109 96.9 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: 52.34 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

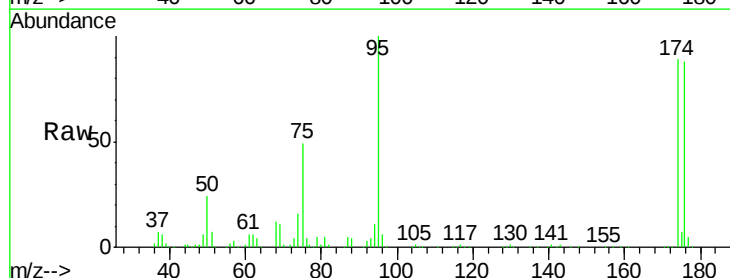
Tgt Ion: 95 Resp: 438462

Ion Ratio Lower Upper

95 100

174 89.1 0.0 169.4

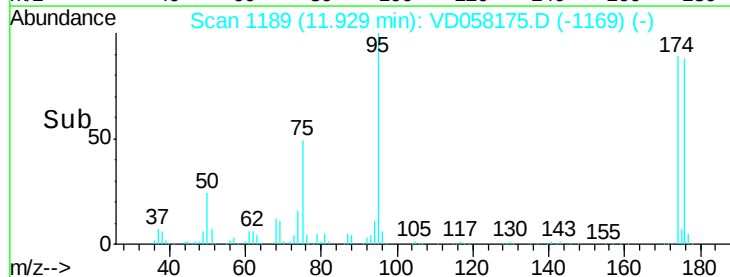
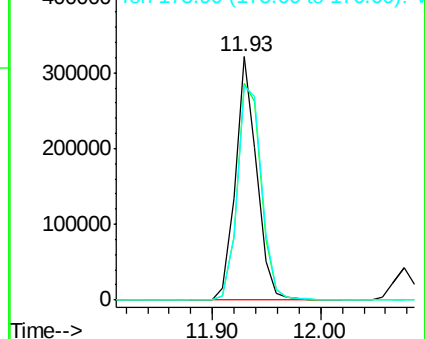
176 88.2 0.0 162.6

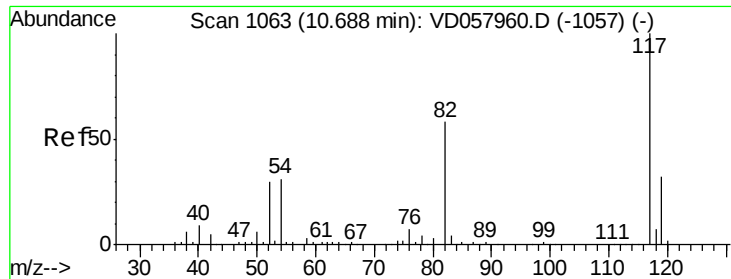


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

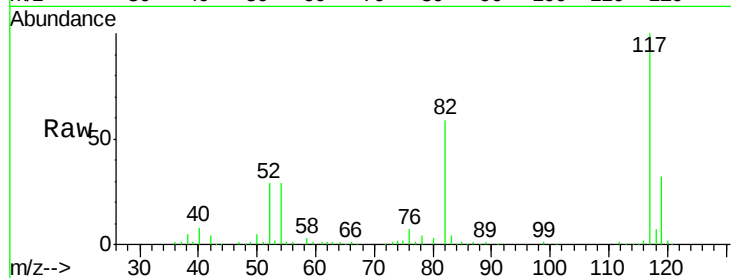




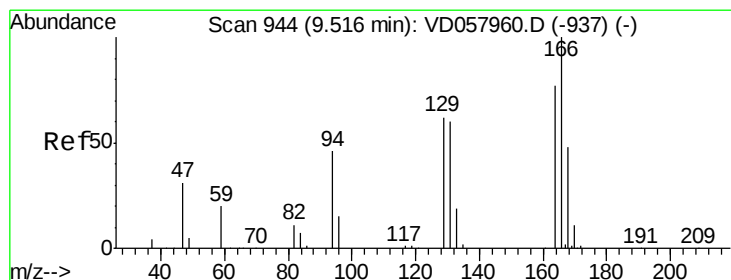
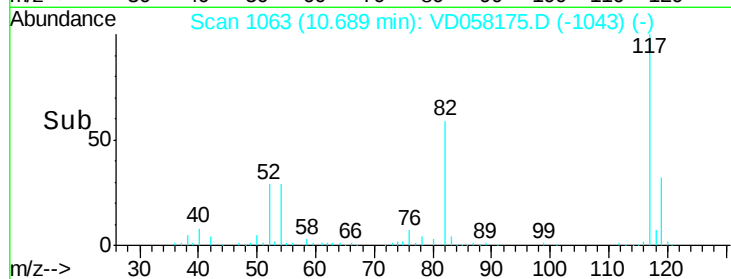
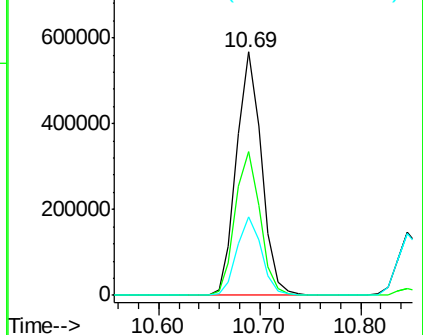
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 981187
Ion Ratio Lower Upper
117 100
82 58.9 46.8 70.2
119 32.0 25.8 38.6



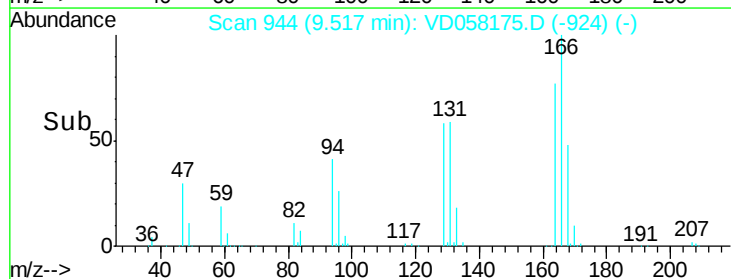
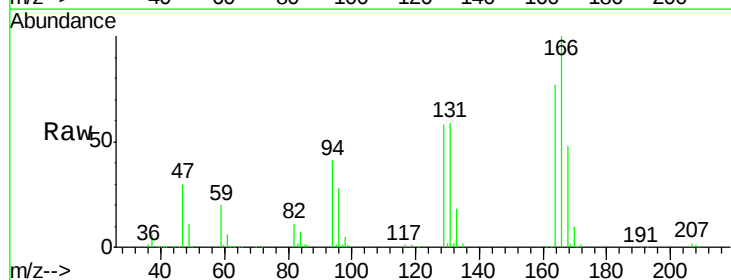
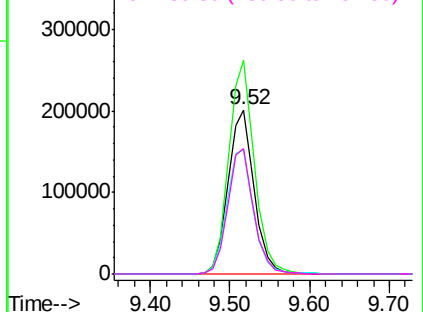
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

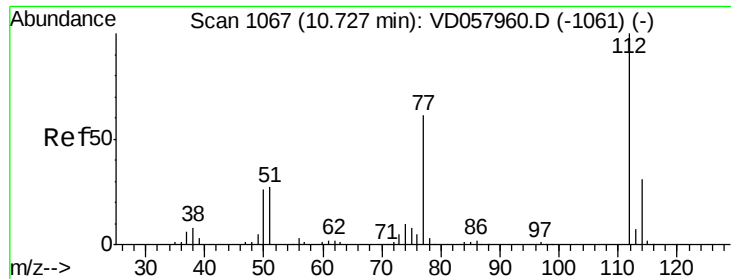


#64
Tetrachloroethene
Concen: 52.26 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Tgt Ion:164 Resp: 458385
Ion Ratio Lower Upper
164 100
166 130.3 104.4 156.6
129 75.7 65.0 97.6
131 76.6 62.9 94.3

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

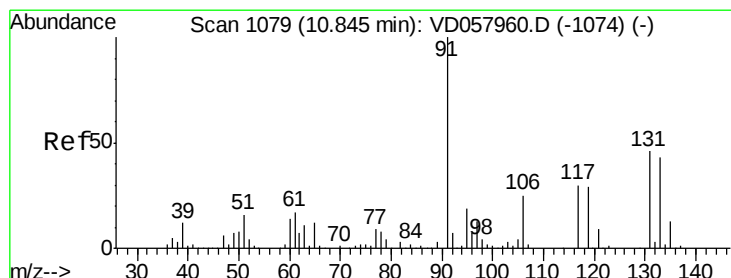
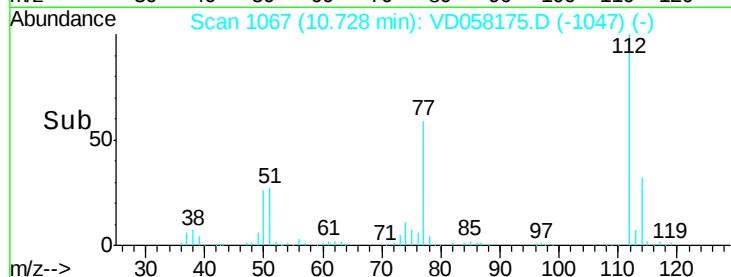
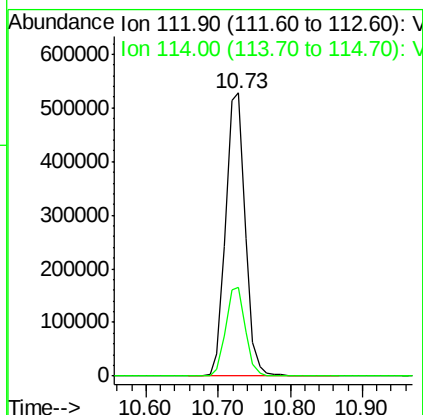
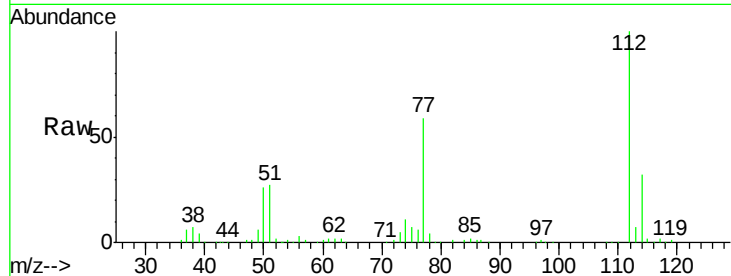




#65
Chlorobenzene
Concen: 50.32 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

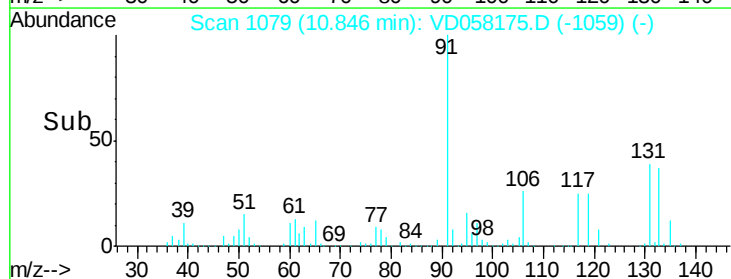
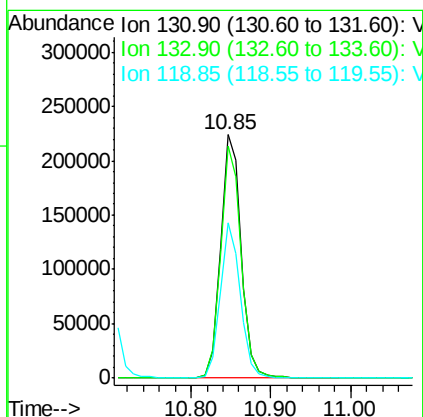
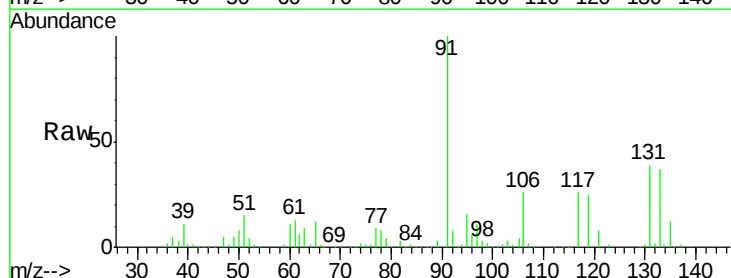
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

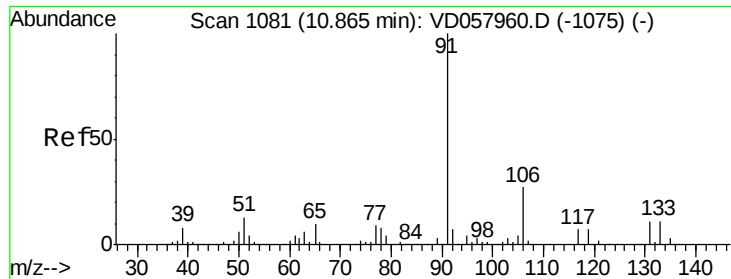
Tot Ion:112 Resp: 999535
Ion Ratio Lower Upper
112 100
114 31.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 53.13 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Tgt Ion:131 Resp: 405434
Ion Ratio Lower Upper
131 100
133 95.1 46.9 140.6
119 64.0 31.8 95.3





#67

Ethyl Benzene

Concen: 49.06 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

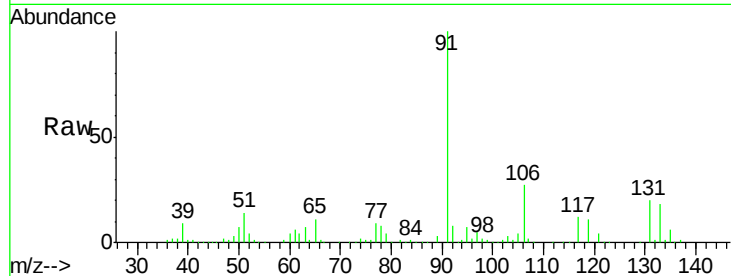
VSTDCCC050

Tot Ion: 91 Resp: 1760718

Ion Ratio Lower Upper

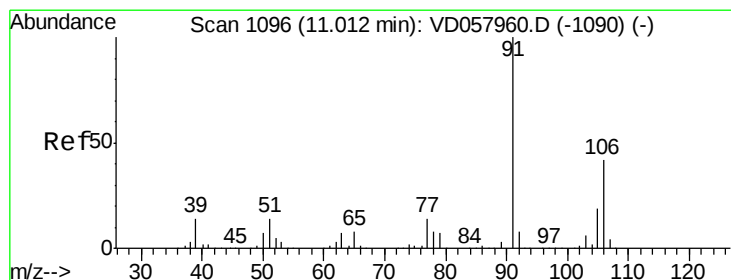
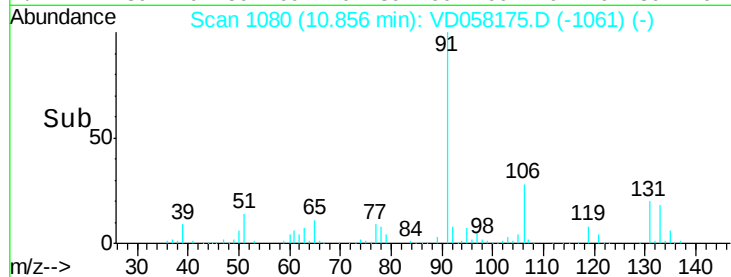
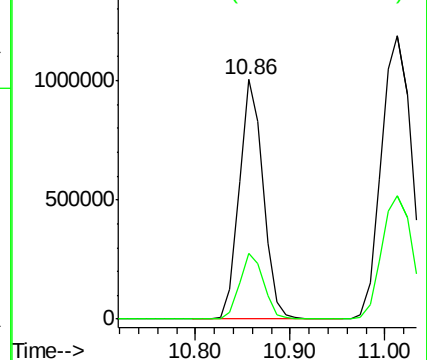
91 100

106 27.5 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 99.89 ug/l

RT: 11.01 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VD058175.D

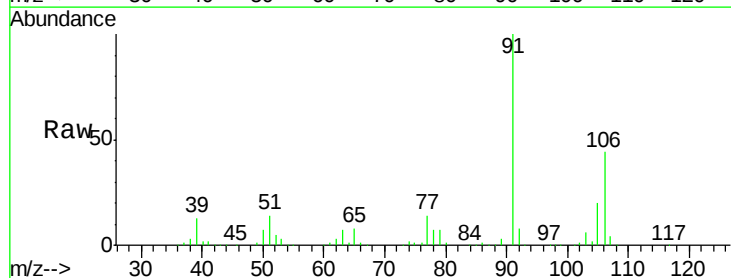
Acq: 18 Jun 2018 12:04

Tgt Ion: 106 Resp: 1168555

Ion Ratio Lower Upper

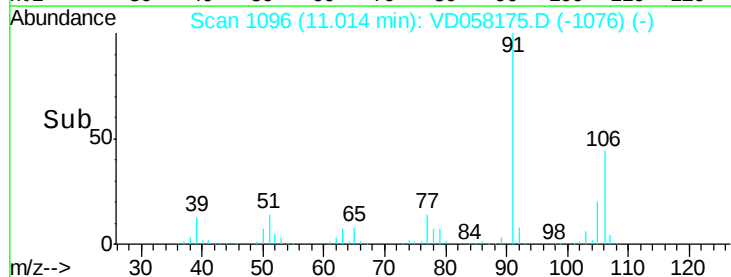
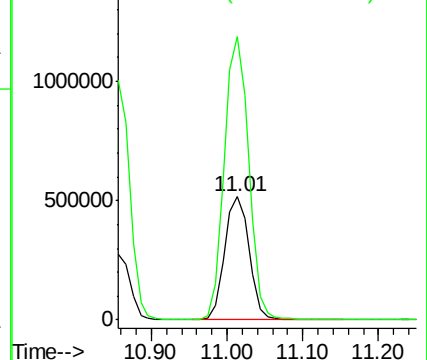
106 100

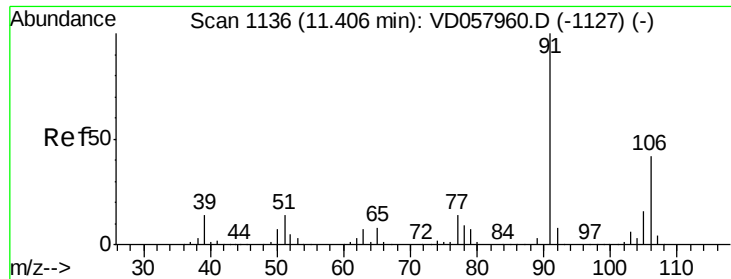
91 229.7 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

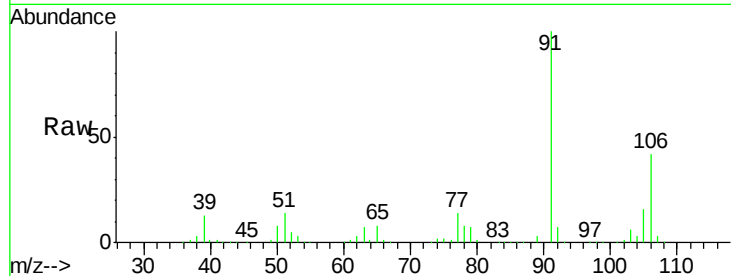




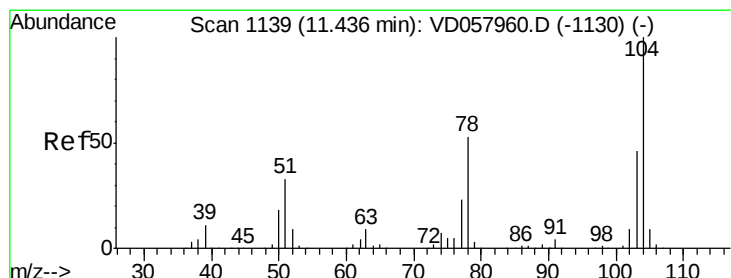
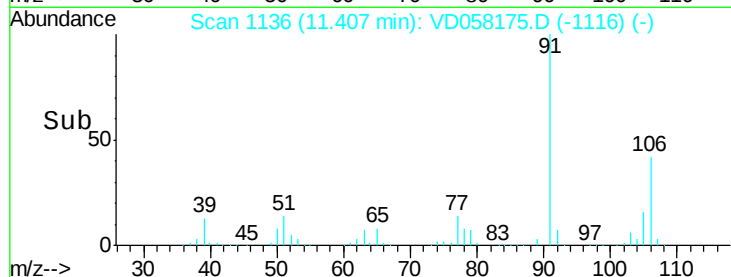
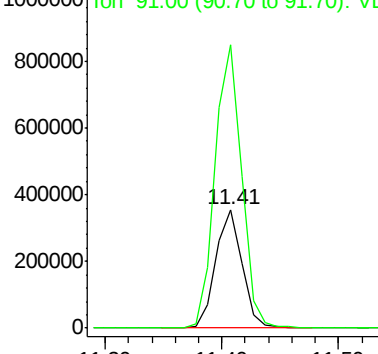
#69
o-Xylene
Concen: 47.88 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 555954
Ion Ratio Lower Upper
106 100
91 238.5 120.6 361.7

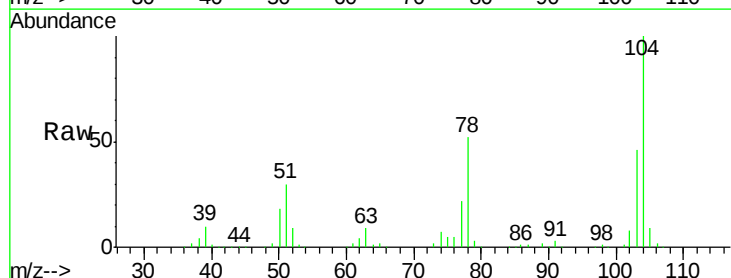


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

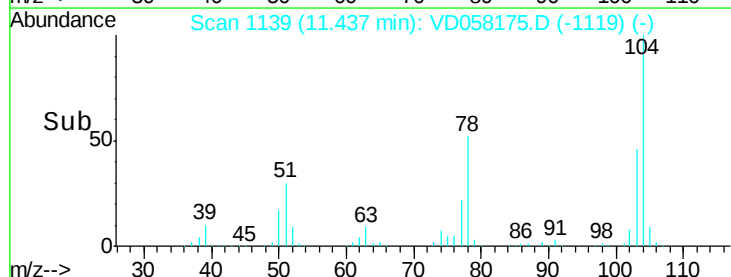
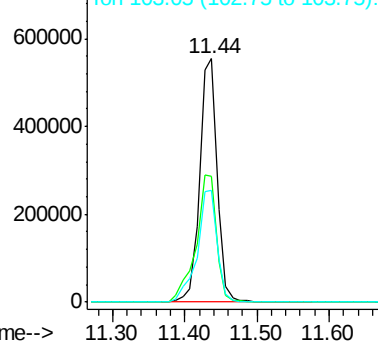


#70
Styrene
Concen: 48.39 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Tgt Ion:104 Resp: 930308
Ion Ratio Lower Upper
104 100
78 51.5 42.1 63.1
103 45.8 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

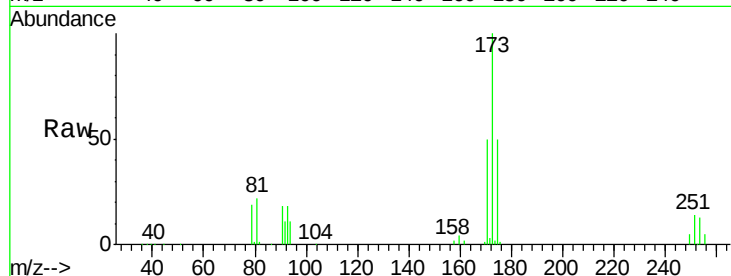




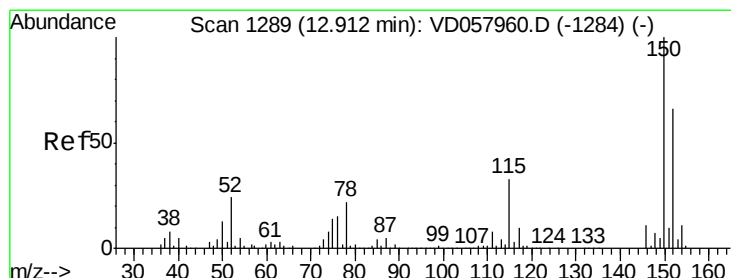
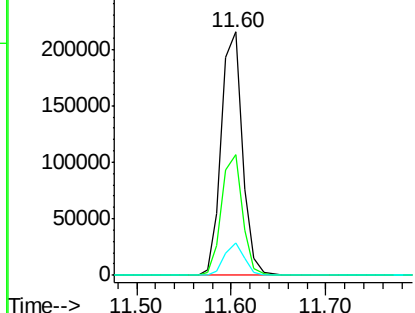
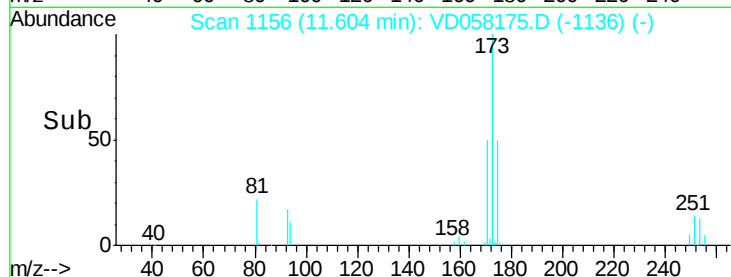
#71
Bromoform
Concen: 58.33 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 334882
Ion Ratio Lower Upper
173 100
175 49.8 25.1 75.2
254 13.2 10.7 16.1

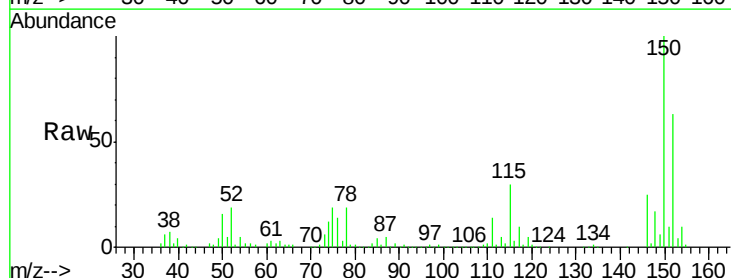


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

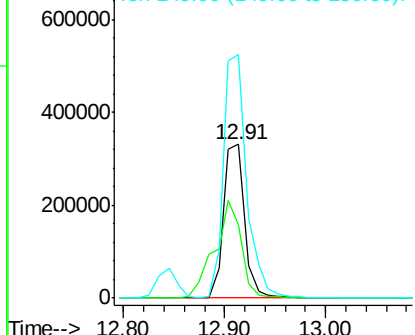
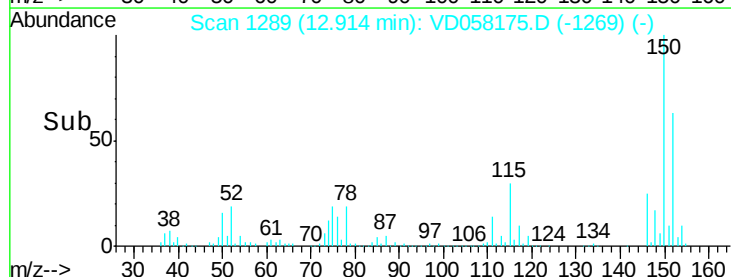


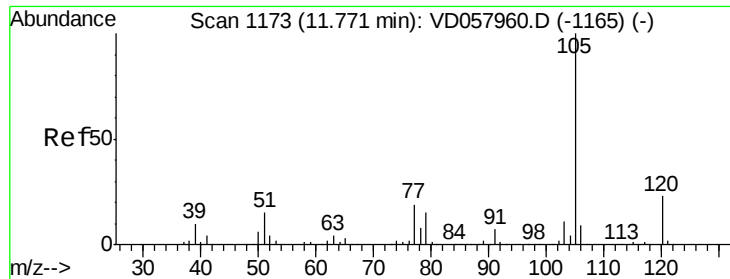
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Tgt Ion:152 Resp: 481766
Ion Ratio Lower Upper
152 100
115 47.9 25.6 76.6
150 158.4 0.0 306.8



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





#73

Isopropylbenzene

Concen: 51.76 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

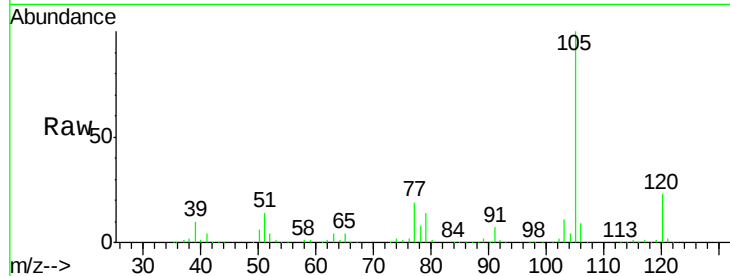
VSTDCCC050

Tot Ion:105 Resp: 1651576

Ion Ratio Lower Upper

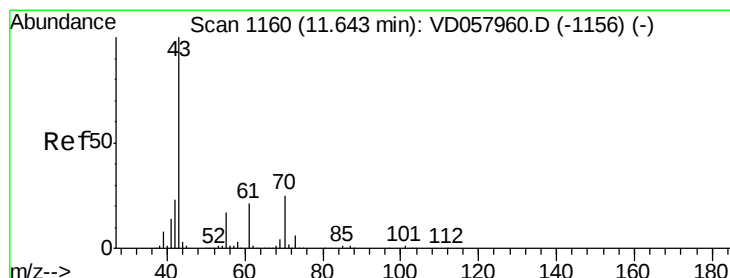
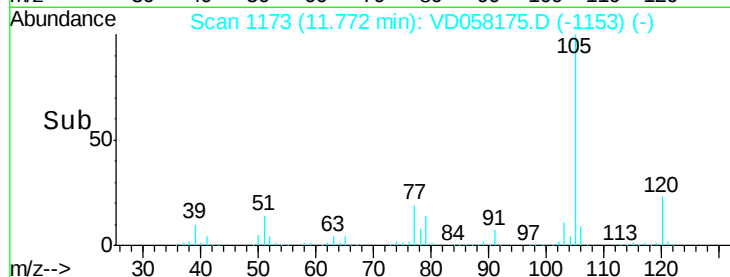
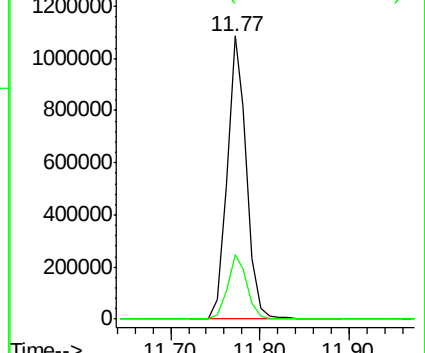
105 100

120 22.6 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: 51.68 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Tgt Ion: 43 Resp: 636312

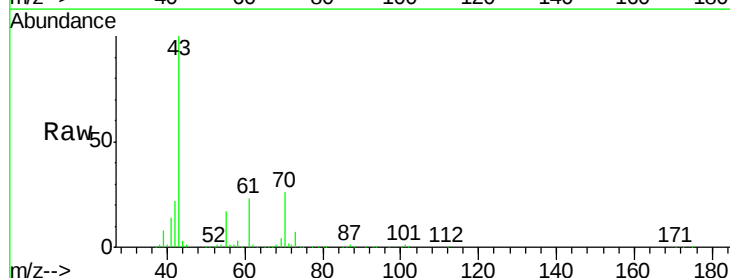
Ion Ratio Lower Upper

43 100

70 26.2 20.3 30.5

55 17.1 13.9 20.9

61 22.6 16.6 24.8

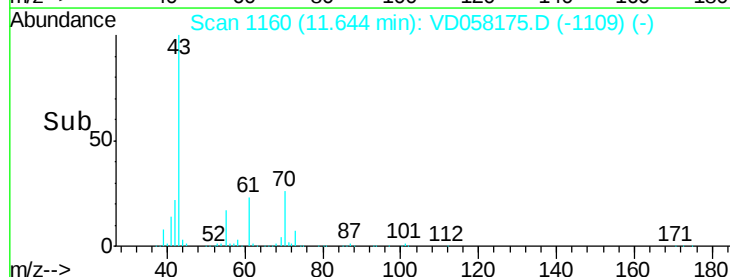
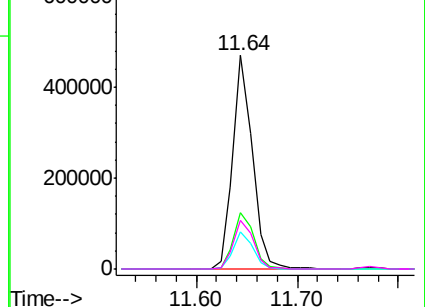


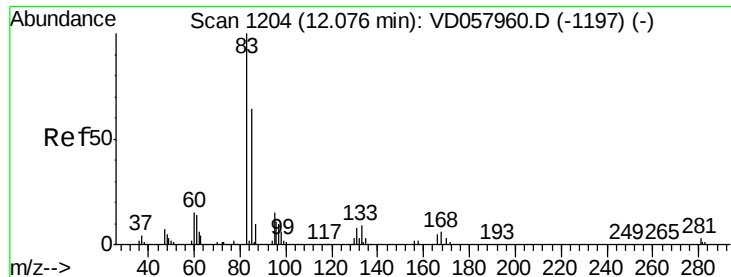
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 52.84 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

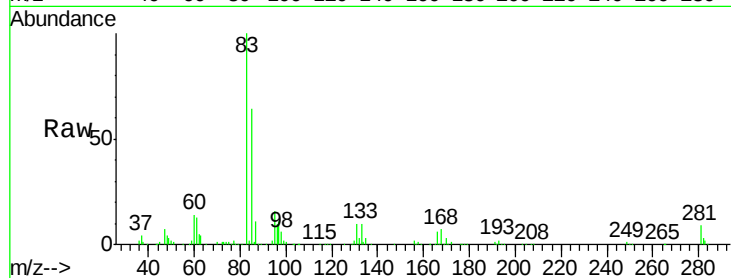
Tot Ion: 83 Resp: 367618

Ion Ratio Lower Upper

83 100

131 9.8 4.2 12.6

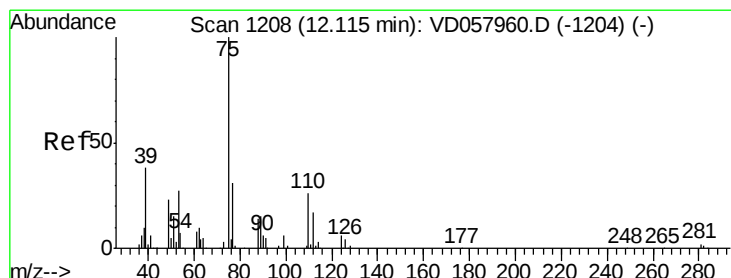
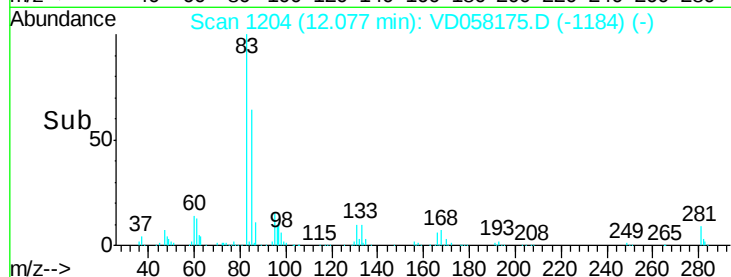
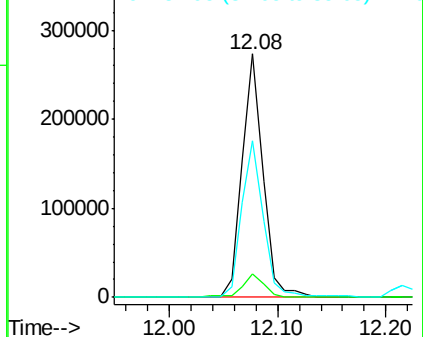
85 64.3 31.9 95.5



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: 52.55 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058175.D

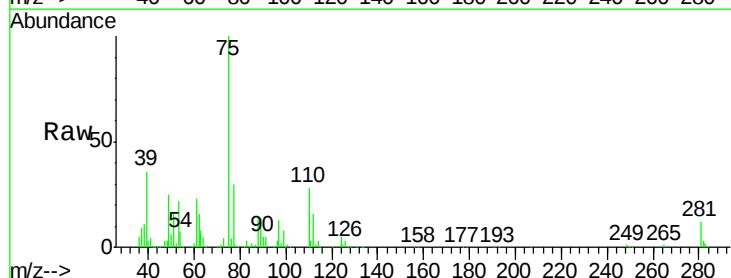
Acq: 18 Jun 2018 12:04

Tgt Ion: 75 Resp: 380277

Ion Ratio Lower Upper

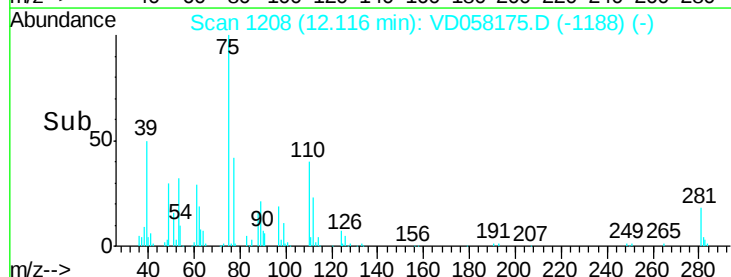
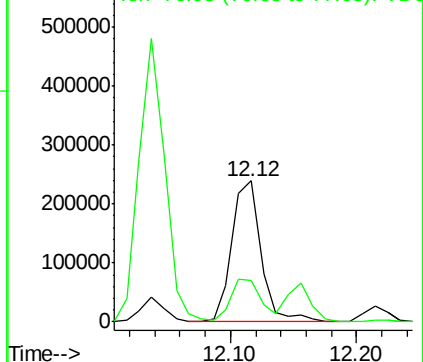
75 100

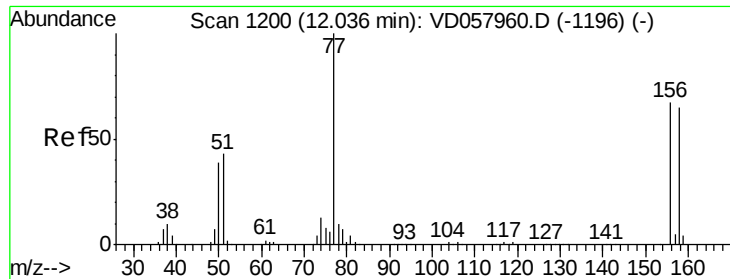
77 29.8 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.64 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

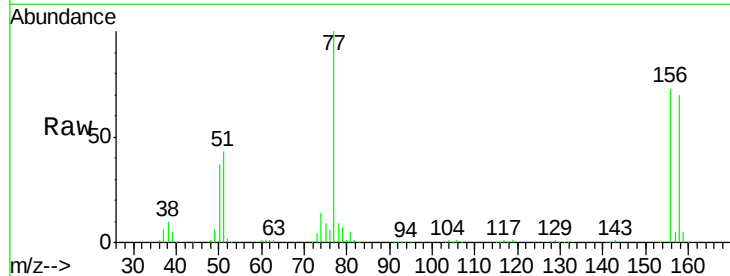
Tot Ion:156 Resp: 506691

Ion Ratio Lower Upper

156 100

77 137.3 75.0 224.8

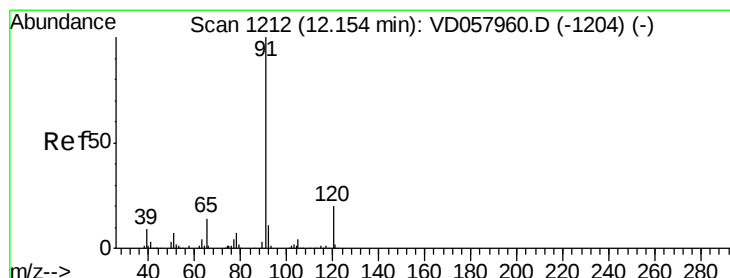
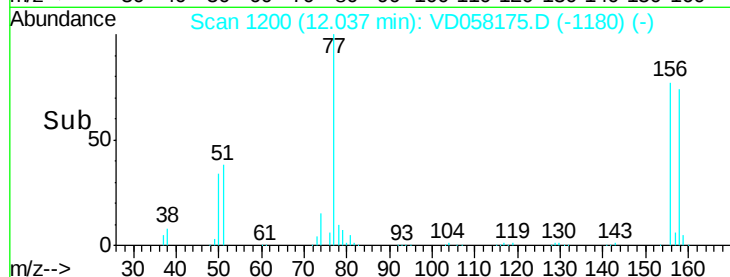
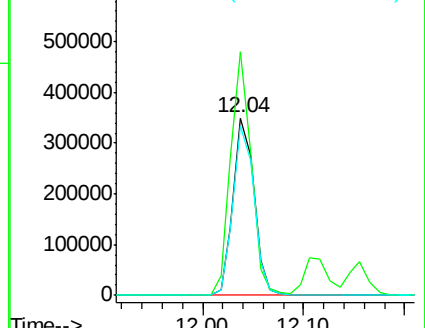
158 95.8 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.86 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058175.D

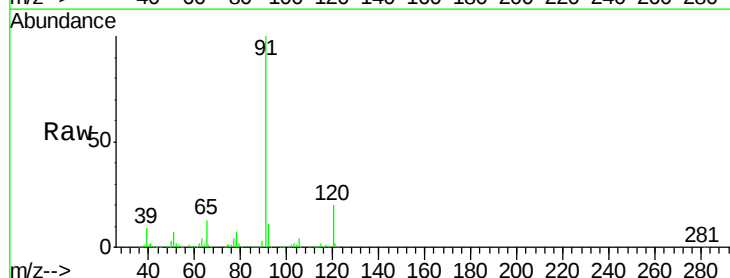
Acq: 18 Jun 2018 12:04

Tgt Ion: 91 Resp: 2111985

Ion Ratio Lower Upper

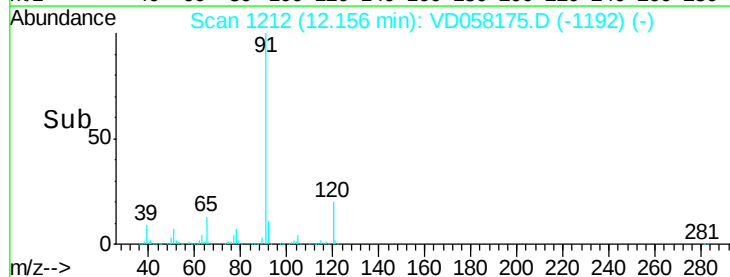
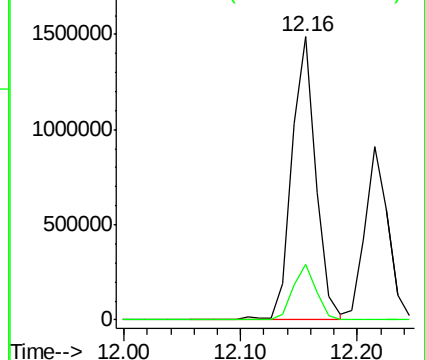
91 100

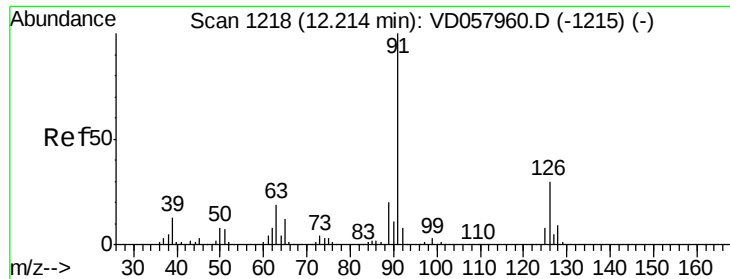
120 19.7 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

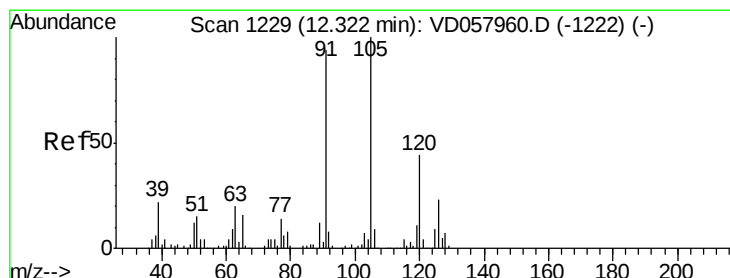
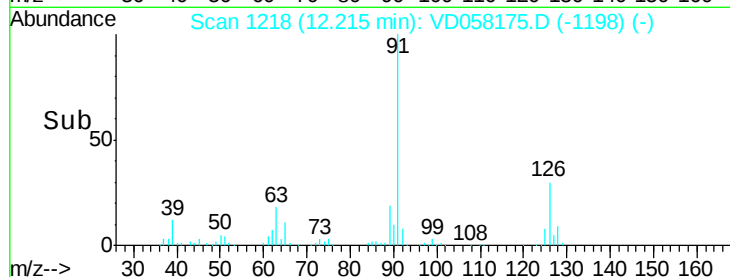
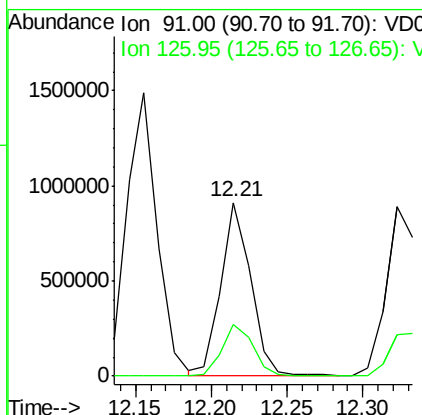
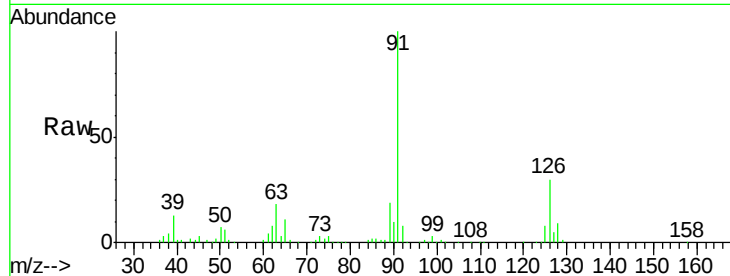




#79
 2-Chlorotoluene
 Concen: 52.57 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

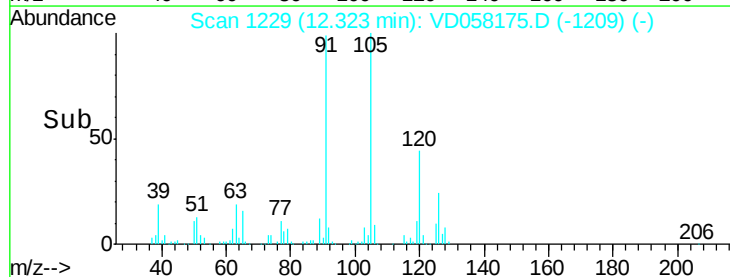
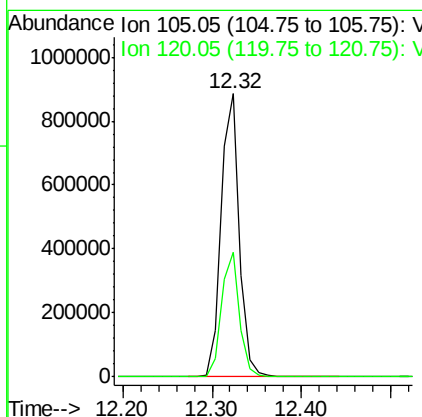
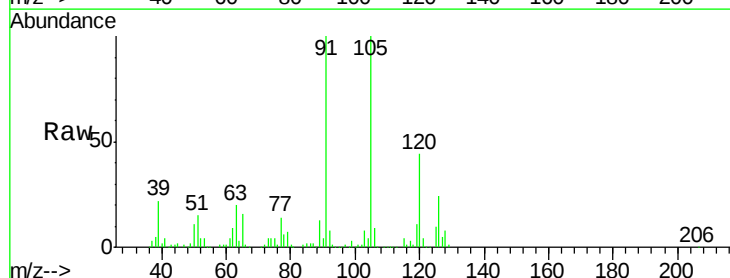
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

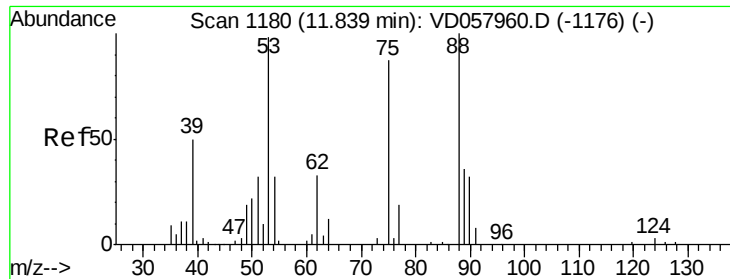
Tot Ion: 91 Resp: 1245324
 Ion Ratio Lower Upper
 91 100
 126 29.7 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 51.16 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Tgt Ion: 105 Resp: 1273039
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.84 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

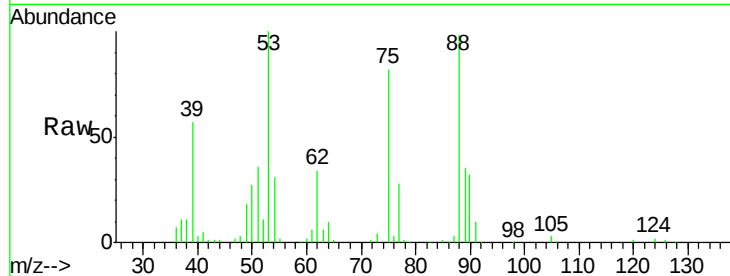
Tot Ion: 75 Resp: 107265

Ion Ratio Lower Upper

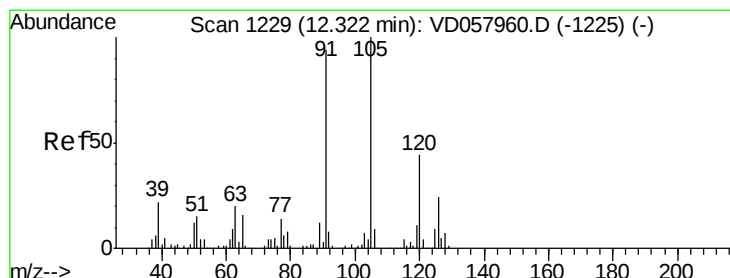
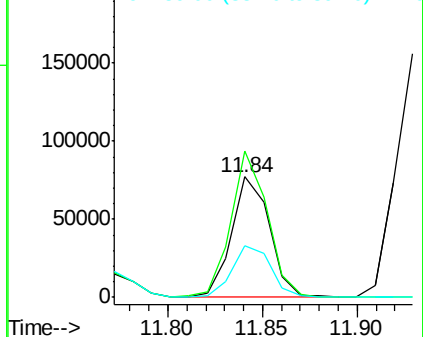
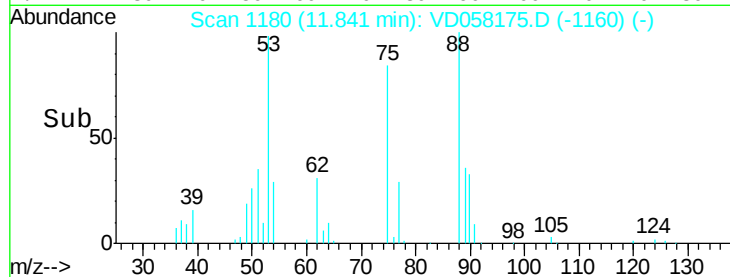
75 100

53 121.6 89.3 133.9

89 42.7 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: 57.64 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058175.D

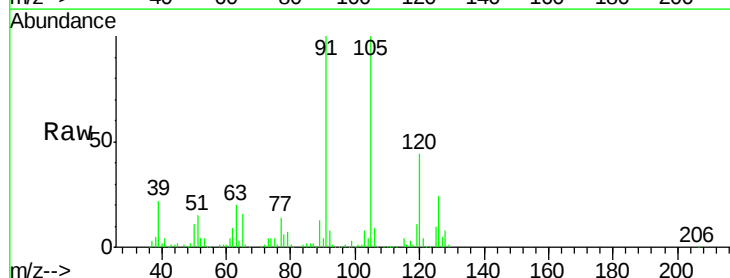
Acq: 18 Jun 2018 12:04

Tgt Ion: 91 Resp: 1316584

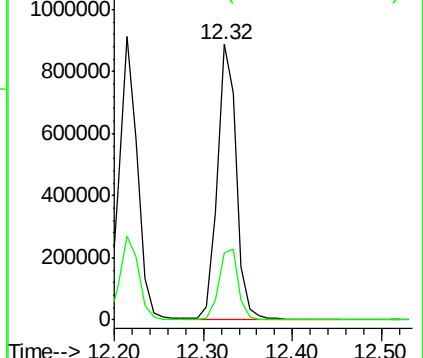
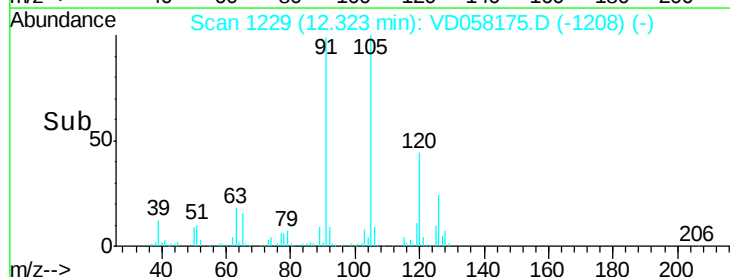
Ion Ratio Lower Upper

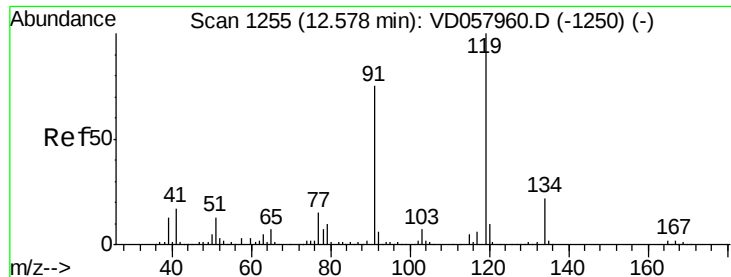
91 100

126 24.4 12.5 37.5



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

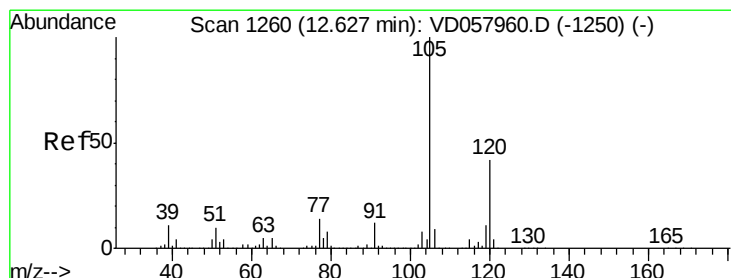
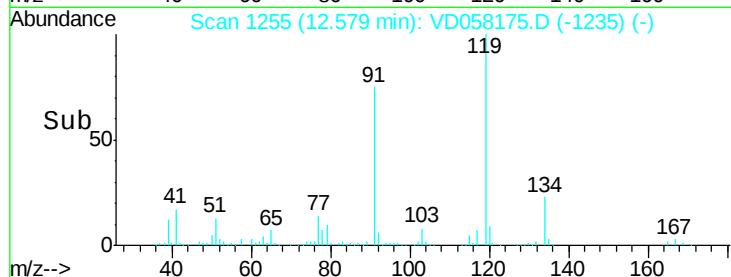
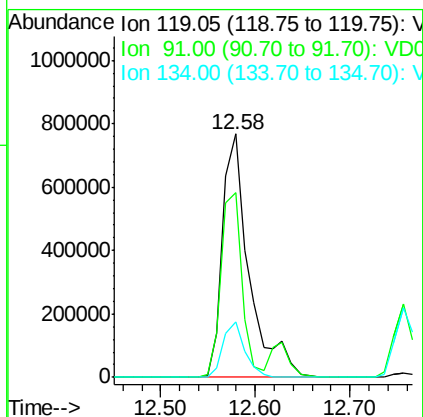
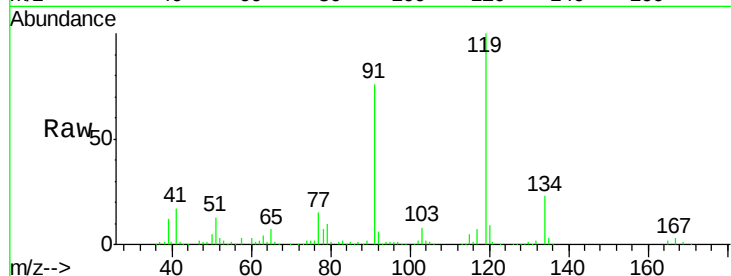




#83
 tert-Butylbenzene
 Concen: 53.43 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

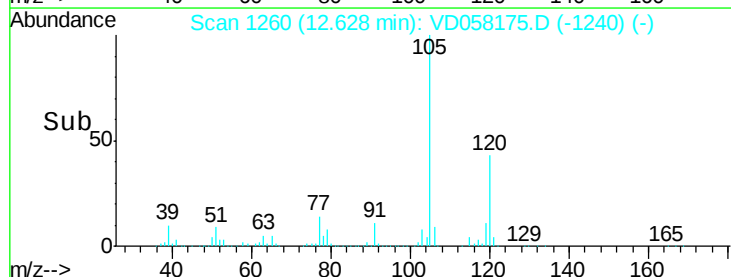
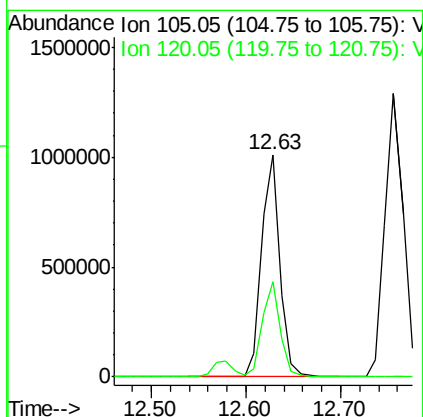
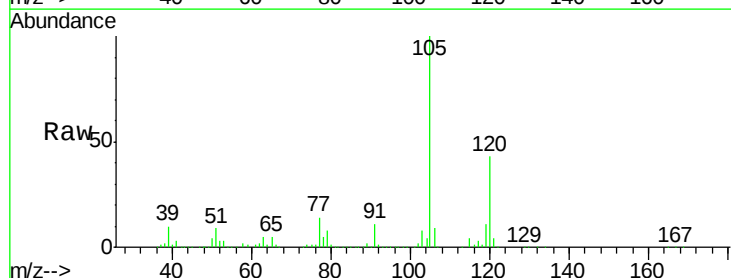
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

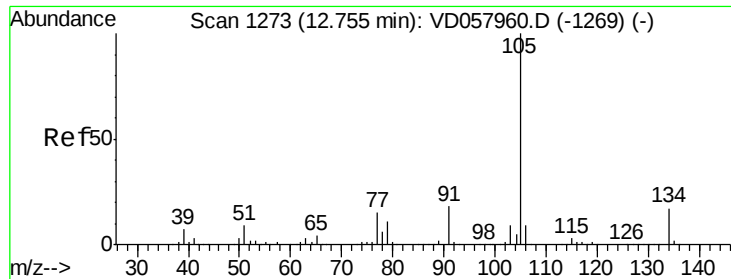
Tot Ion:119 Resp: 1501455
 Ion Ratio Lower Upper
 119 100
 91 76.0 37.6 112.9
 134 23.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.65 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Tgt Ion:105 Resp: 1382090
 Ion Ratio Lower Upper
 105 100
 120 42.6 21.2 63.6





#85

sec-Butylbenzene

Concen: 51.51 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

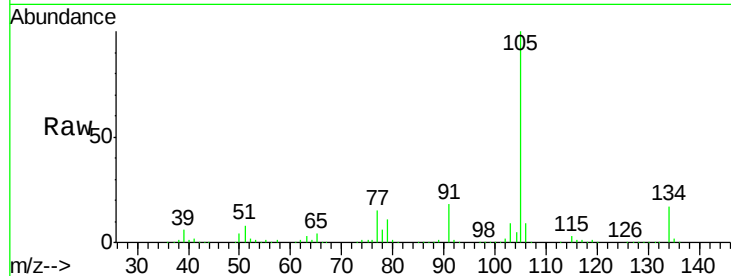
VSTDCCC050

Tot Ion:105 Resp: 1746859

Ion Ratio Lower Upper

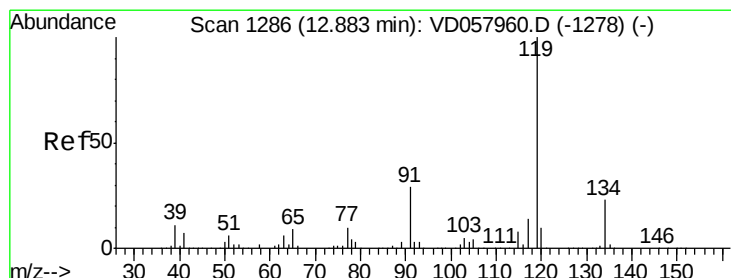
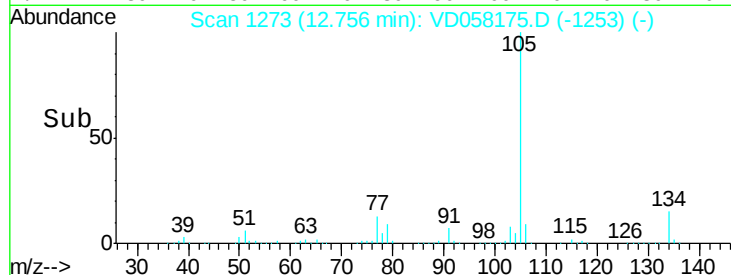
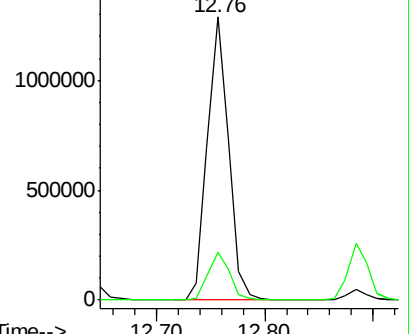
105 100

134 17.1 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.76 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

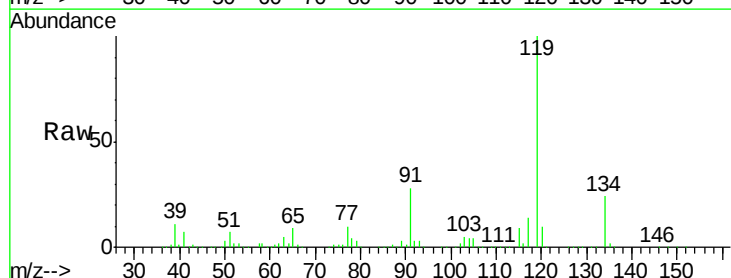
Tgt Ion:119 Resp: 1414699

Ion Ratio Lower Upper

119 100

134 23.6 11.5 34.4

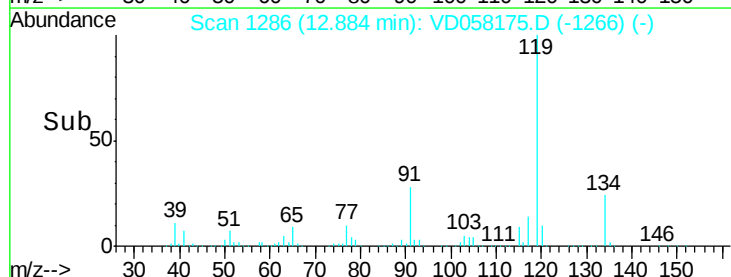
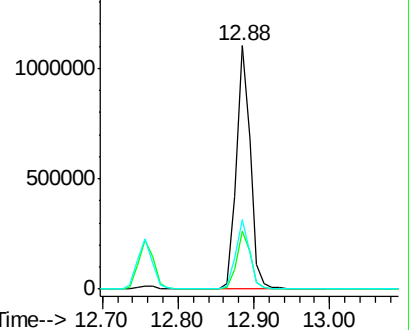
91 28.3 14.5 43.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

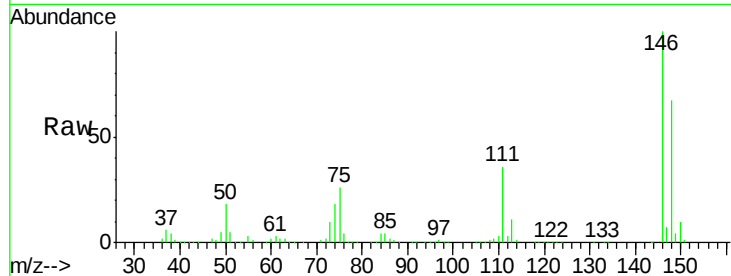




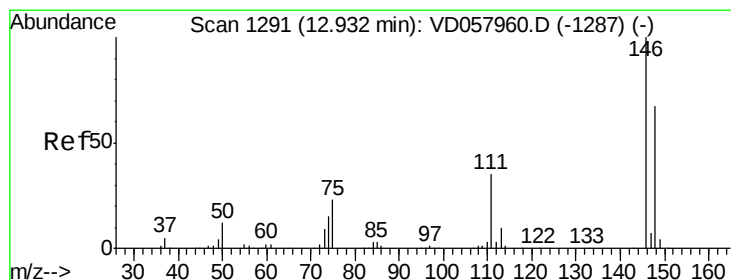
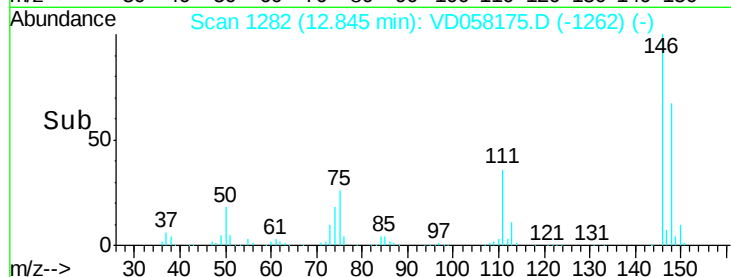
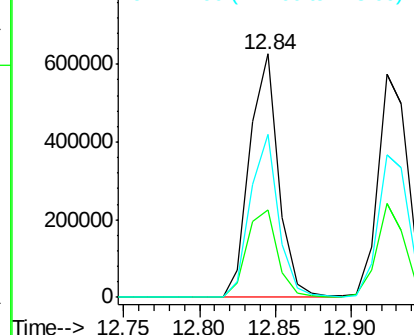
#87
 1,3-Dichlorobenzene
 Concen: 52.31 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 835722
 Ion Ratio Lower Upper
 146 100
 111 35.7 19.1 57.3
 148 66.8 32.0 96.2

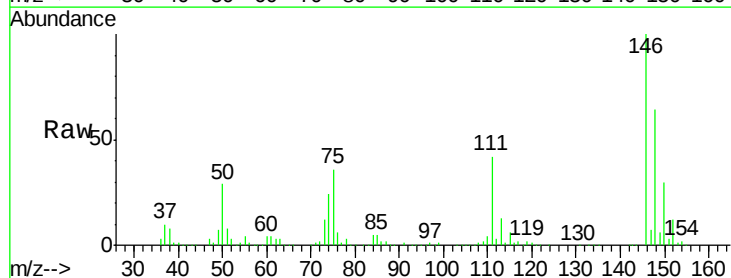


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

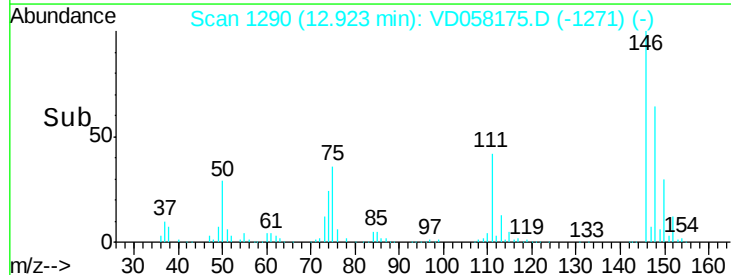
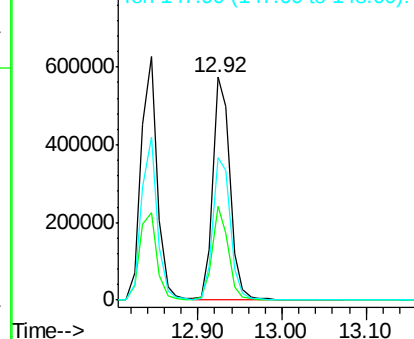


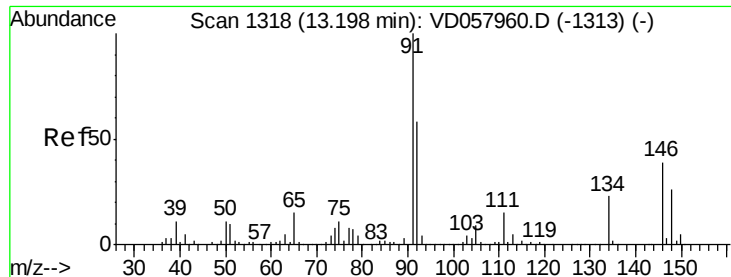
#88
 1,4-Dichlorobenzene
 Concen: 52.24 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Tgt Ion:146 Resp: 813324
 Ion Ratio Lower Upper
 146 100
 111 42.3 17.3 52.0
 148 64.3 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

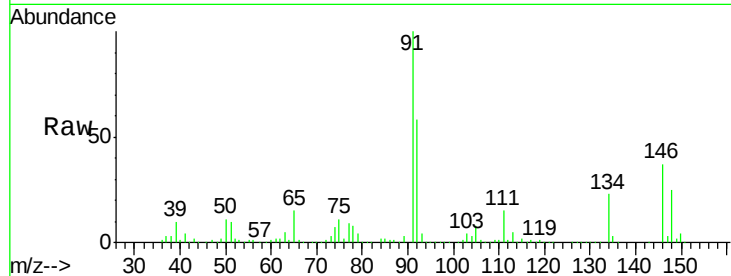




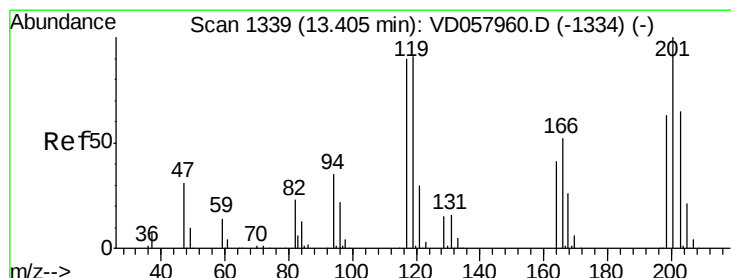
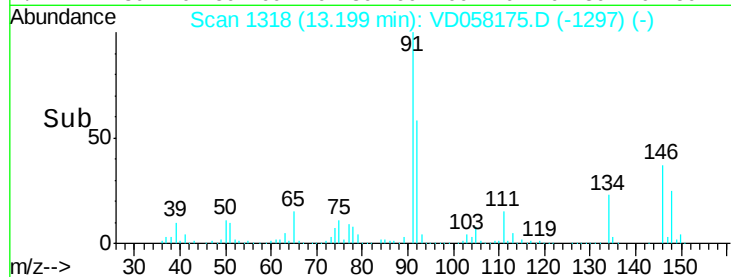
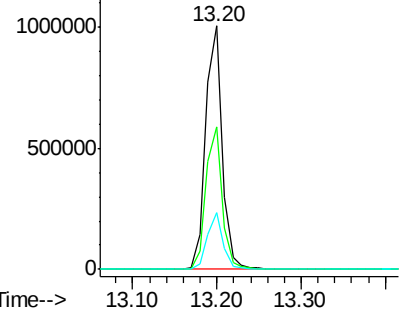
#89
n-Butylbenzene
Concen: 56.31 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1372821
Ion Ratio Lower Upper
91 100
92 58.4 29.2 87.6
134 23.5 11.3 33.9

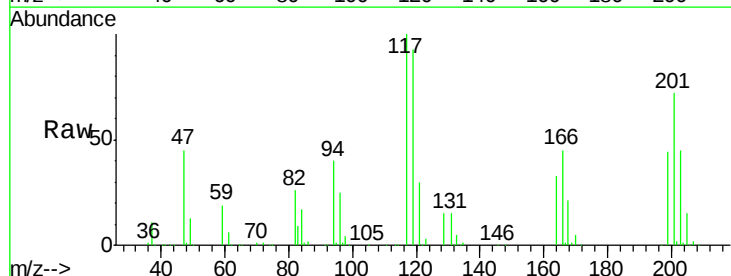


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

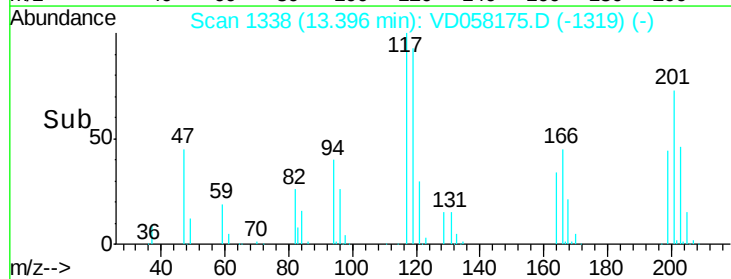
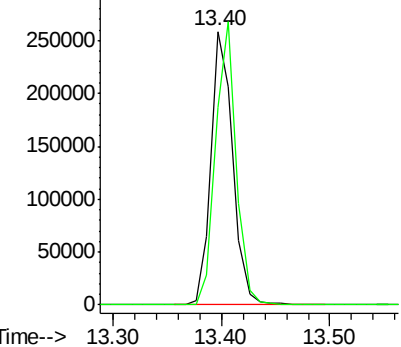


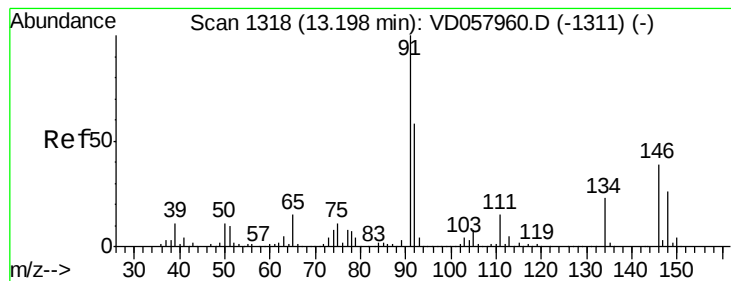
#90
Hexachloroethane
Concen: 51.90 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058175.D
Acq: 18 Jun 2018 12:04

Tgt Ion: 117 Resp: 362091
Ion Ratio Lower Upper
117 100
201 72.2 55.4 166.0



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





#91

1,2-Dichlorobenzene

Concen: 48.97 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

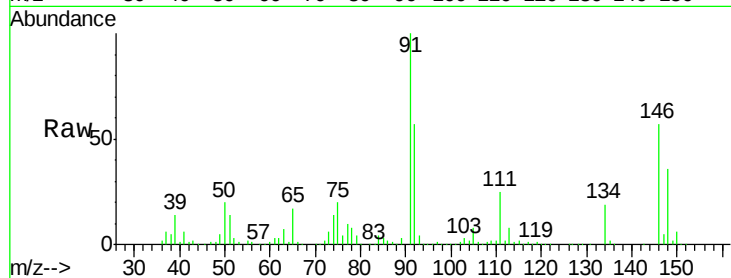
Tot Ion:146 Resp: 632271

Ion Ratio Lower Upper

146 100

111 44.0 19.4 58.2

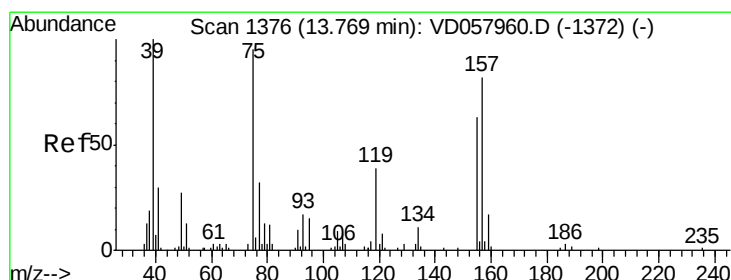
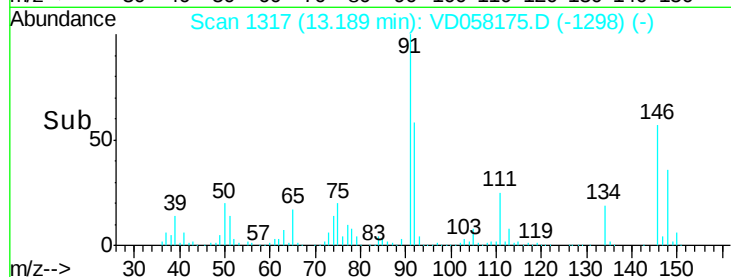
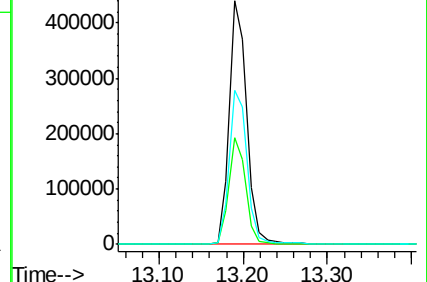
148 63.2 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.66 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

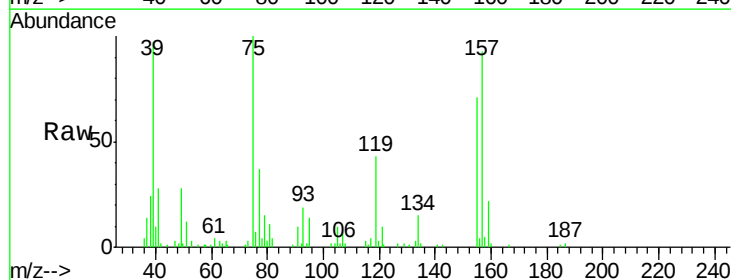
Tgt Ion: 75 Resp: 62988

Ion Ratio Lower Upper

75 100

155 70.6 33.4 100.1

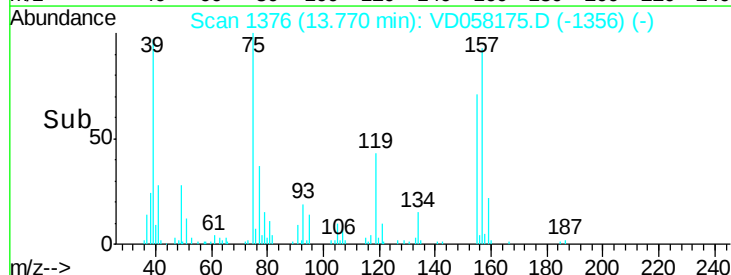
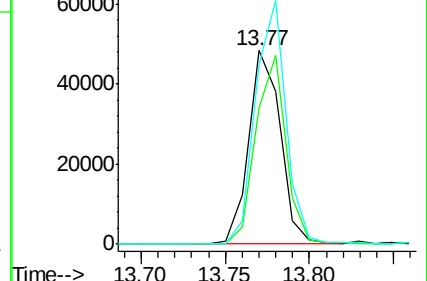
157 92.6 42.9 128.5

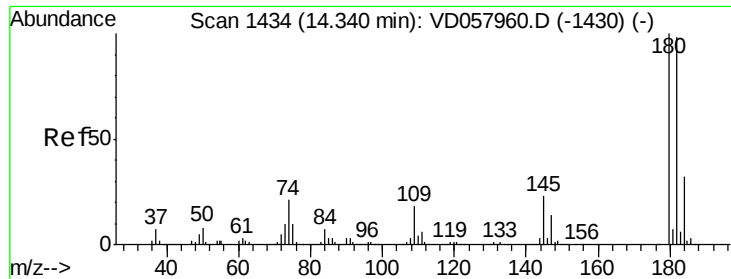


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

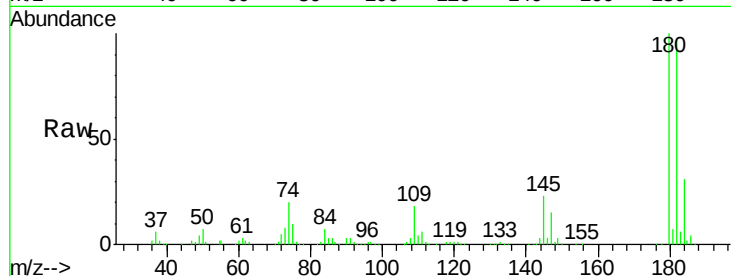




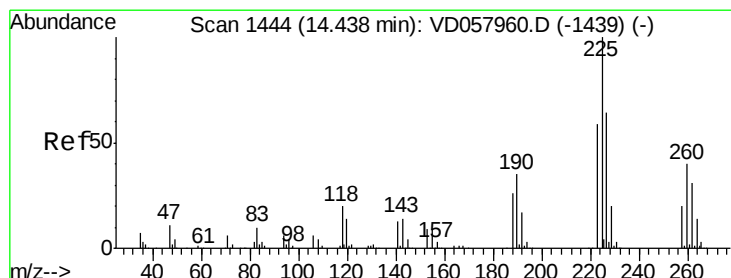
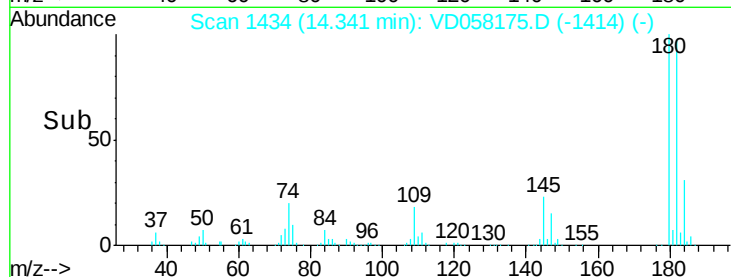
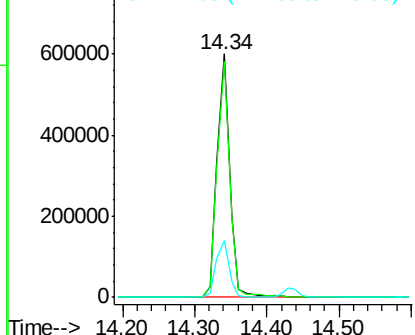
#93
 1,2,4-Trichlorobenzene
 Concen: 59.99 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 723705
 Ion Ratio Lower Upper
 180 100
 182 96.7 49.0 147.2
 145 23.3 11.8 35.3

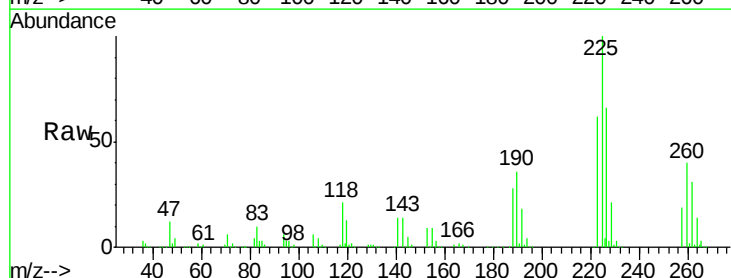


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

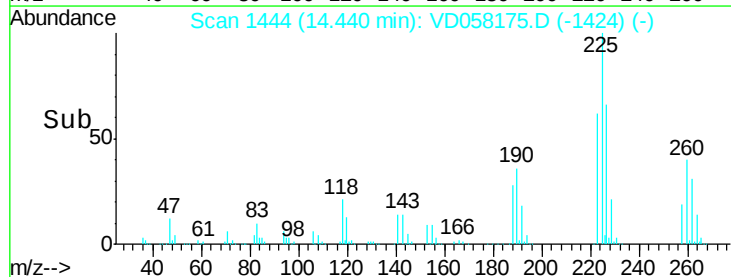
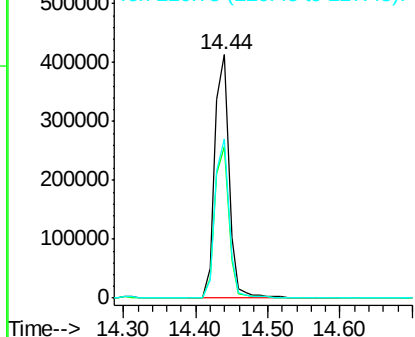


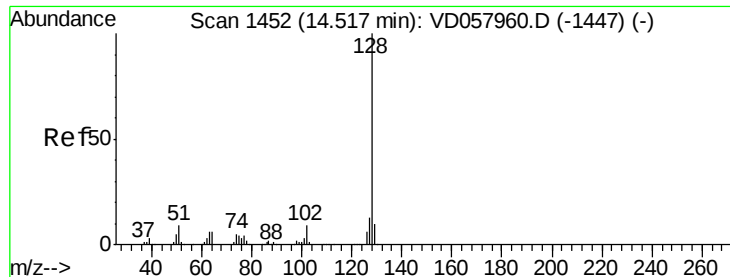
#94
 Hexachlorobutadiene
 Concen: 59.51 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058175.D
 Acq: 18 Jun 2018 12:04

Tgt Ion:225 Resp: 564705
 Ion Ratio Lower Upper
 225 100
 223 62.4 29.5 88.6
 227 65.6 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: 59.67 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

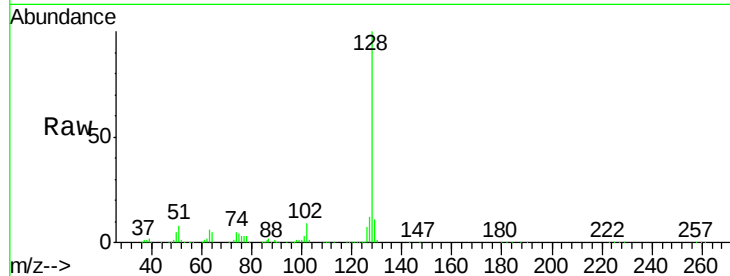
Tot Ion:128 Resp: 928090

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

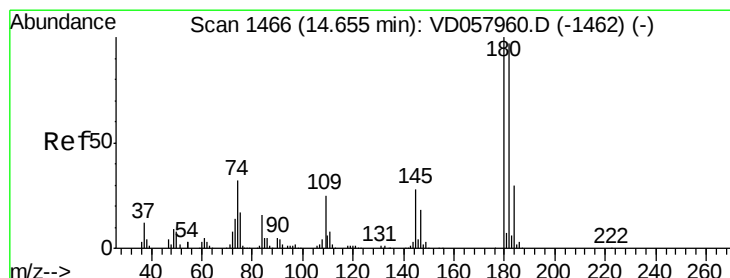
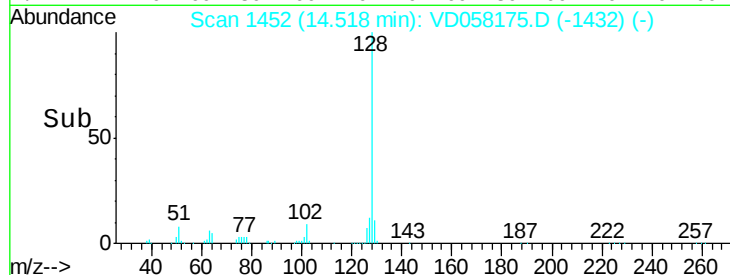
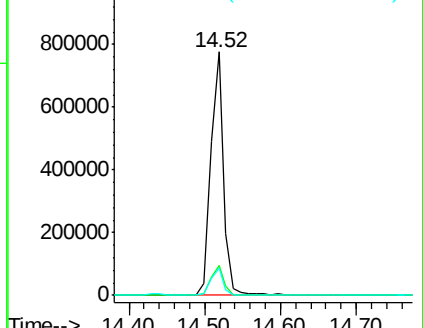
129 11.3 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 58.24 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD058175.D

Acq: 18 Jun 2018 12:04

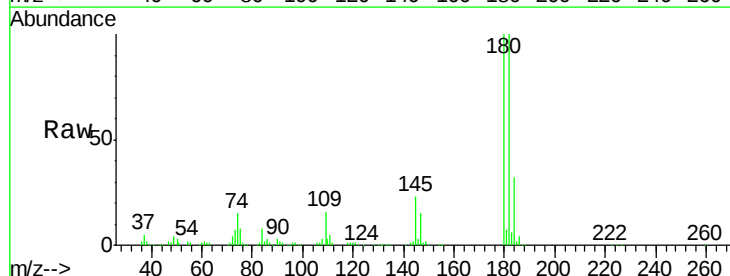
Tgt Ion:180 Resp: 598747

Ion Ratio Lower Upper

180 100

182 100.2 48.5 145.5

145 22.9 14.2 42.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

