

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062720.D
 Acq On : 17 Jun 2019 12:18
 Operator : VA/AP
 Sample : VD0617SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

Quant Time: Jun 17 12:46:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	693957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	952735	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	767001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	433464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	541092	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
35) Dibromofluoromethane	6.92	113	571203	56.85	ug/l	0.00
Spiked Amount			Recovery	=	113.70%	
50) Toluene-d8	10.41	98	1205153	57.02	ug/l	0.00
Spiked Amount			Recovery	=	114.04%	
62) 4-Bromofluorobenzene	13.56	95	556035	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	187119	21.735	ug/l	99
3) Chloromethane	1.74	50	157126	22.883	ug/l	90
4) Vinyl Chloride	1.84	62	146890	20.746	ug/l	95
5) Bromomethane	2.15	94	59392	16.618	ug/l	92
6) Chloroethane	2.26	64	75629	21.635	ug/l #	77
7) Trichlorofluoromethane	2.52	101	333164	21.022	ug/l	90
8) Diethyl Ether	2.87	74	43071	19.982	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	185672	21.724	ug/l	95
10) Methyl Iodide	3.29	142	206444	19.314	ug/l	94
11) Tert butyl alcohol	4.08	59	42053	102.166	ug/l #	80
12) 1,1-Dichloroethene	3.11	96	125234	20.418	ug/l	87
13) Acrolein	3.03	56	12643	95.488	ug/l	97
14) Allyl chloride	3.60	41	205131	21.751	ug/l	88
15) Acrylonitrile	4.19	53	96417	103.080	ug/l #	84
16) Acetone	3.22	43	200939	109.583	ug/l	95
17) Carbon Disulfide	3.36	76	362653	20.064	ug/l	100
18) Methyl Acetate	3.63	43	66820	22.174	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	316397	21.150	ug/l	95
20) Methylene Chloride	3.80	84	138277	19.691	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	140563	20.892	ug/l	89
22) Diisopropyl ether	5.11	45	435313	22.230	ug/l	98
23) Vinyl Acetate	5.05	43	1343707	110.605	ug/l	99
24) 1,1-Dichloroethane	4.97	63	277360	22.017	ug/l #	95
25) 2-Butanone	6.07	43	176853	98.861	ug/l	99
26) 2,2-Dichloropropane	6.02	77	311319	21.442	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	157095	21.538	ug/l	94
28) Bromochloromethane	6.43	49	94602	19.645	ug/l	99
29) Tetrahydrofuran	6.45	42	85834	106.547	ug/l	97
30) Chloroform	6.66	83	346925	21.464	ug/l	85
31) Cyclohexane	6.94	56	166996	21.132	ug/l	84
32) 1,1,1-Trichloroethane	6.86	97	345520	21.483	ug/l	98
36) 1,1-Dichloropropene	7.14	75	204548	18.759	ug/l	96
37) Ethyl Acetate	6.18	43	95410	21.230	ug/l #	95
38) Carbon Tetrachloride	7.11	117	337973	19.610	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	193316	21.939	ug/l	85
40) Benzene	7.44	78	432532	20.312	ug/l	99
41) Methacrylonitrile	6.45	41	116083	20.337	ug/l	97
42) 1,2-Dichloroethane	7.57	62	254903	20.083	ug/l	95
43) Isopropyl Acetate	9.24	43	119066	20.695	ug/l #	93
44) Trichloroethene	8.54	130	170568	19.730	ug/l	94
45) 1,2-Dichloropropane	8.93	63	105887	20.702	ug/l	95
46) Dibromomethane	9.06	93	95635	21.064	ug/l	89
47) Bromodichloromethane	9.37	83	250704	20.299	ug/l	90
48) Methyl methacrylate	9.12	41	75508	18.166	ug/l #	89
49) 1,4-Dioxane	9.09	88	12897	377.846	ug/l #	87
51) 4-Methyl-2-Pentanone	10.30	43	436722	108.481	ug/l	96
52) Toluene	10.51	92	280599	19.603	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	199081	19.660	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	226332	21.626	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	107187	21.836	ug/l	96
56) Ethyl methacrylate	11.04	69	112402	21.446	ug/l	99
57) 1,3-Dichloropropane	11.40	76	157810	20.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	324731	123.771	ug/l	98
59) 2-Hexanone	11.53	43	281169	93.891	ug/l	99
60) Dibromochloromethane	11.69	129	193224	19.940	ug/l	98
61) 1,2-Dibromoethane	11.81	107	123420	21.008	ug/l	93
64) Tetrachloroethene	11.25	164	159919	22.273	ug/l	94
65) Chlorobenzene	12.40	112	360446	21.246	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	174520	21.568	ug/l	93
67) Ethyl Benzene	12.52	91	678205	22.546	ug/l	96
68) m/p-Xylenes	12.66	106	459186	43.422	ug/l	98
69) o-Xylene	13.05	106	222316	22.891	ug/l	95
70) Styrene	13.07	104	389058	22.451	ug/l	100
71) Bromoform	13.23	173	123047	21.532	ug/l	96
73) Isopropylbenzene	13.40	105	686235	22.461	ug/l	99
74) N-amyl acetate	13.26	43	173235	20.980	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	114169	21.839	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	131974	22.455	ug/l	97
77) Bromobenzene	13.67	156	197384	22.603	ug/l	92
78) n-propylbenzene	13.77	91	860298	23.004	ug/l	99
79) 2-Chlorotoluene	13.84	91	494813	22.597	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	610918	22.625	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	31275	20.440	ug/l	91
82) 4-Chlorotoluene	13.94	91	571563	21.826	ug/l	93
83) tert-Butylbenzene	14.19	119	698621	23.458	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	627963	23.488	ug/l	99
85) sec-Butylbenzene	14.36	105	700755	22.439	ug/l	97
86) p-Isopropyltoluene	14.49	119	712880	23.445	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	341750	21.603	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	341481	22.841	ug/l	96
89) n-Butylbenzene	14.80	91	654281	23.919	ug/l	97
90) Hexachloroethane	15.00	117	182527	22.739	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	307351	23.372	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	22459	20.112	ug/l	79

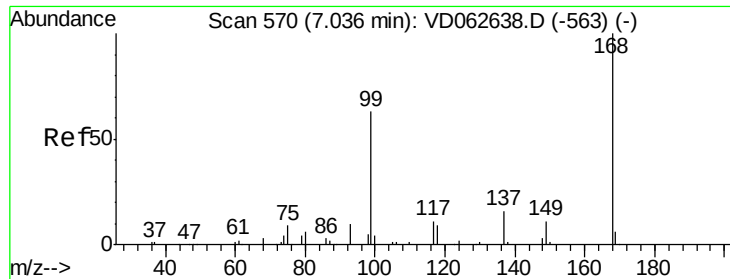
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
Data File : VD062720.D
Acq On : 17 Jun 2019 12:18
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	224398	22.248	ug/l	94
94) Hexachlorobutadiene	16.04	225	176363	22.715	ug/l	97
95) Naphthalene	16.12	128	293854	20.844	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	172638	22.792	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

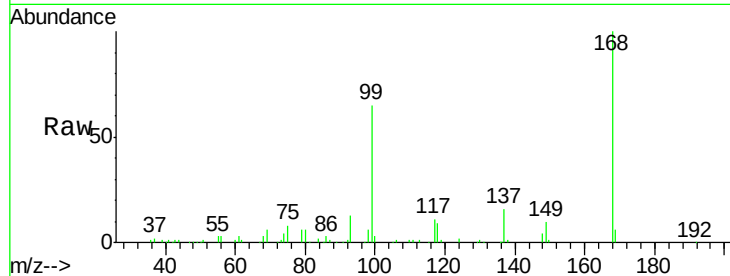
VD0617SBS01

Tot Ion:168 Resp: 693957

Ion Ratio Lower Upper

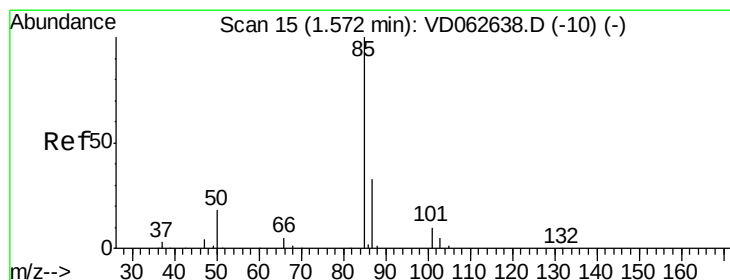
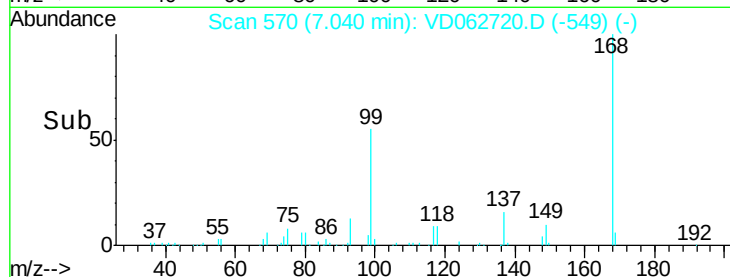
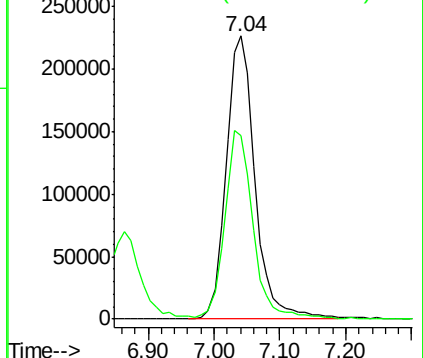
168 100

99 65.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.735 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062720.D

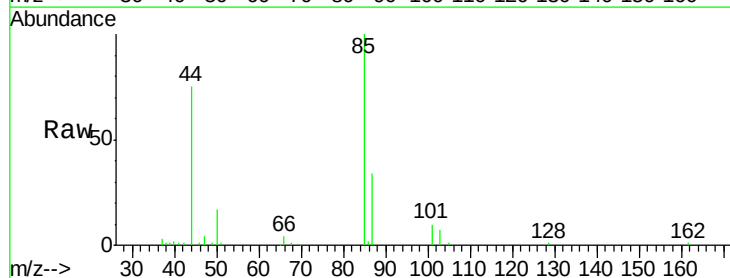
Acq: 17 Jun 2019 12:18

Tgt Ion: 85 Resp: 187119

Ion Ratio Lower Upper

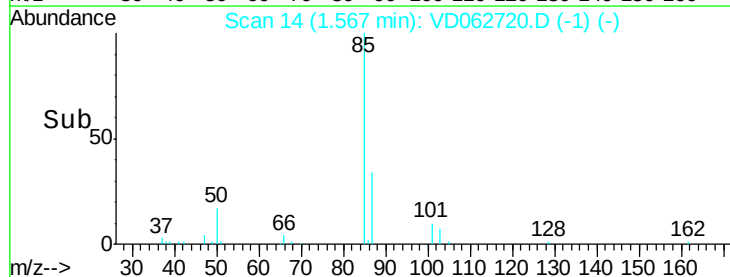
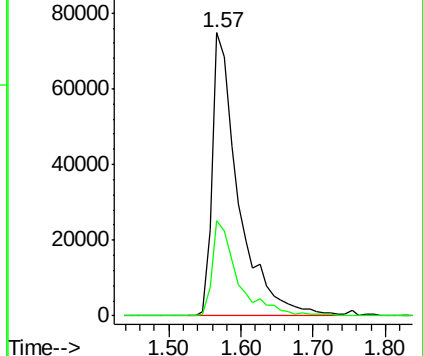
85 100

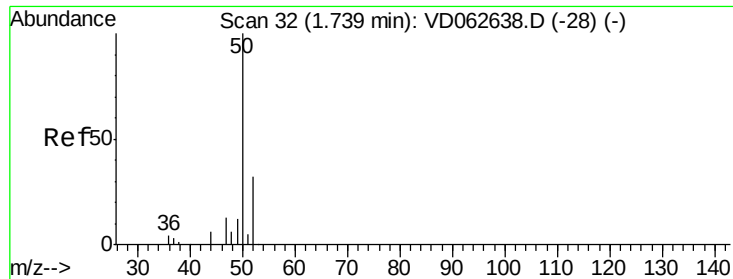
87 33.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.883 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

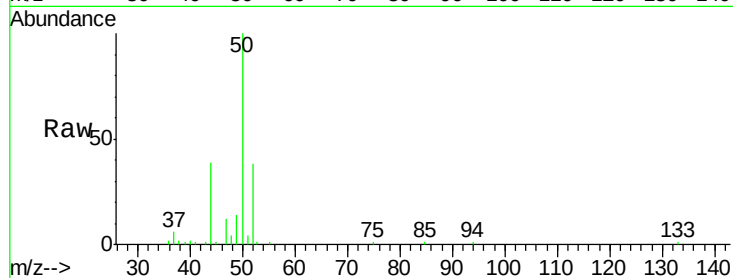
VD0617SBS01

Tot Ion: 50 Resp: 157126

Ion Ratio Lower Upper

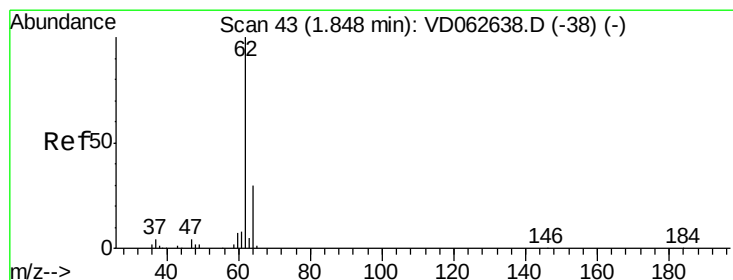
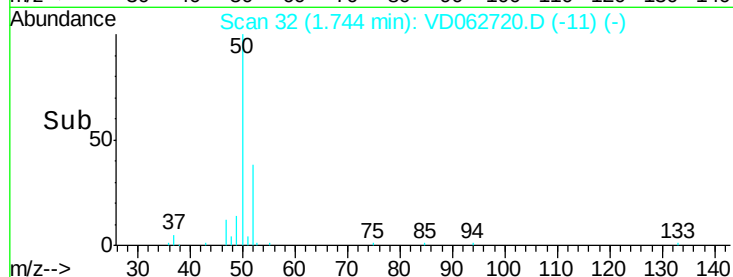
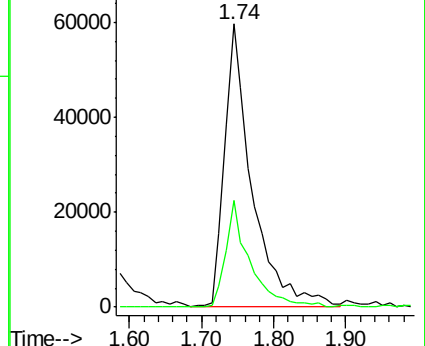
50 100

52 37.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.746 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062720.D

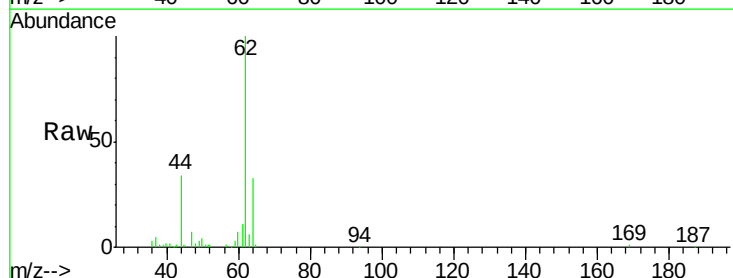
Acq: 17 Jun 2019 12:18

Tgt Ion: 62 Resp: 146890

Ion Ratio Lower Upper

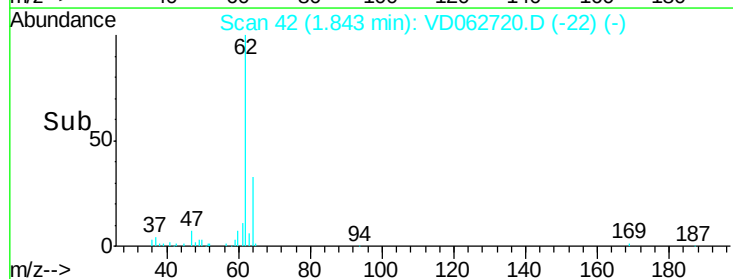
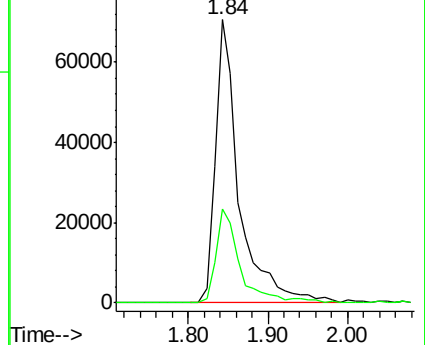
62 100

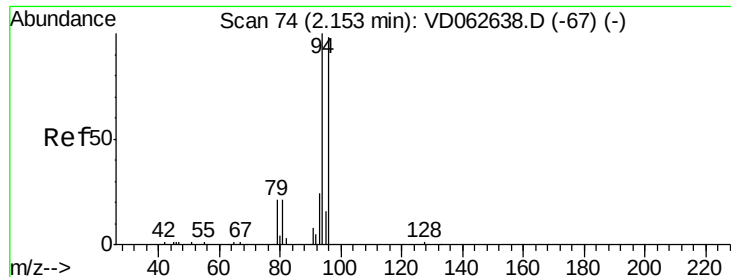
64 33.1 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.618 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

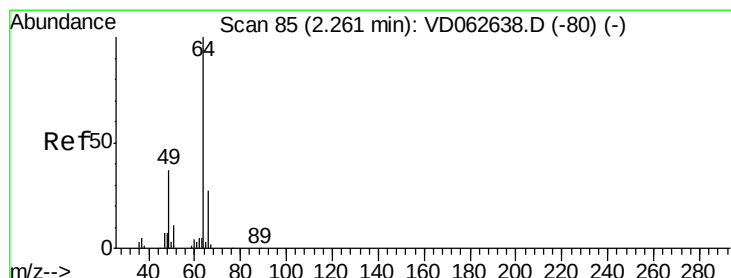
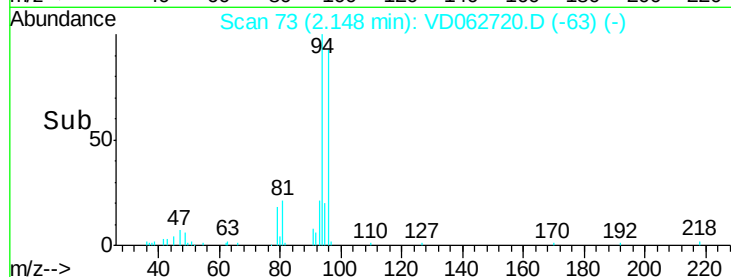
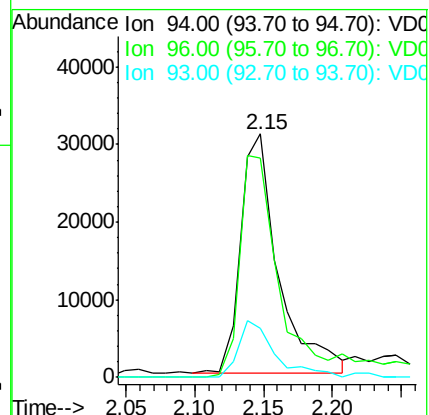
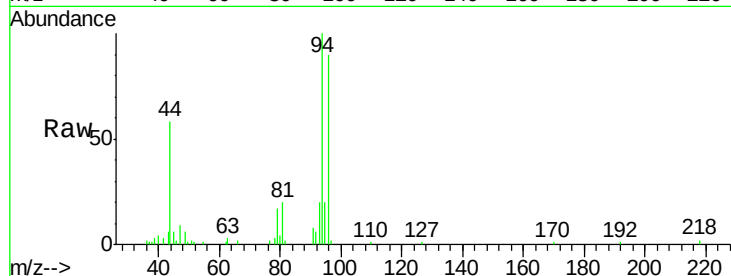
Tot Ion: 94 Resp: 59392

Ion Ratio Lower Upper

94 100

96 90.2 78.1 117.1

93 20.2 19.6 29.4



#6

Chloroethane

Concen: 21.635 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062720.D

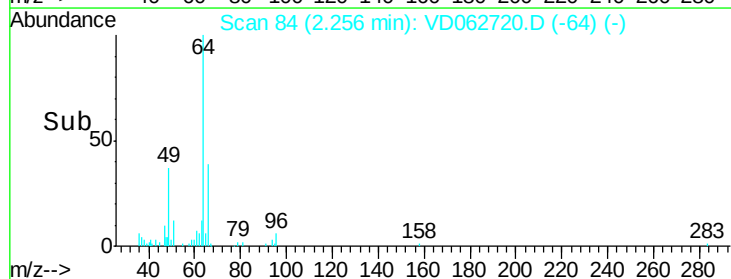
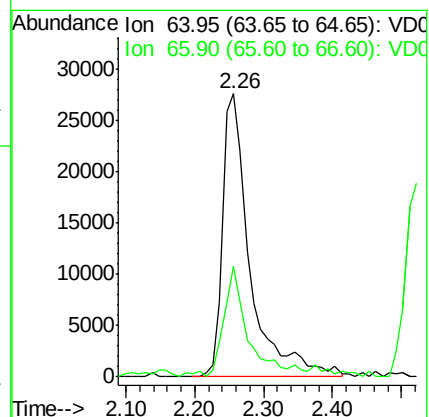
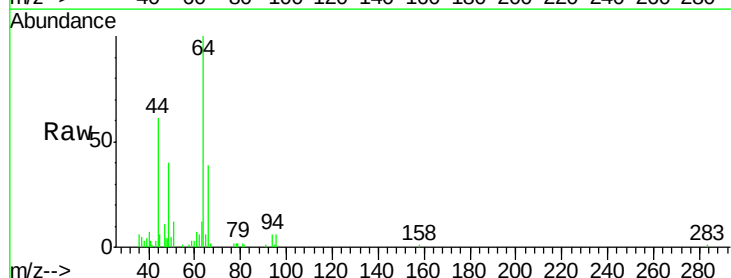
Acq: 17 Jun 2019 12:18

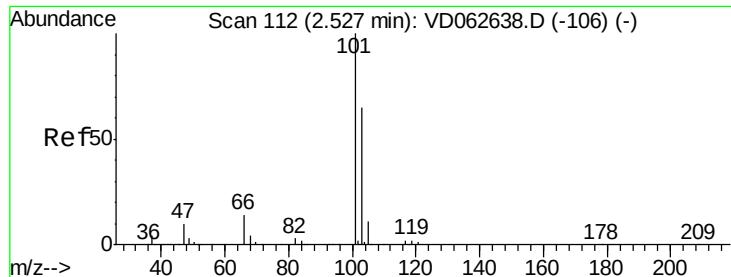
Tgt Ion: 64 Resp: 75629

Ion Ratio Lower Upper

64 100

66 39.2 21.9 32.9#



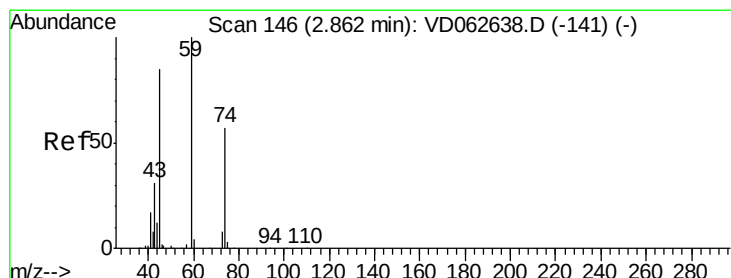
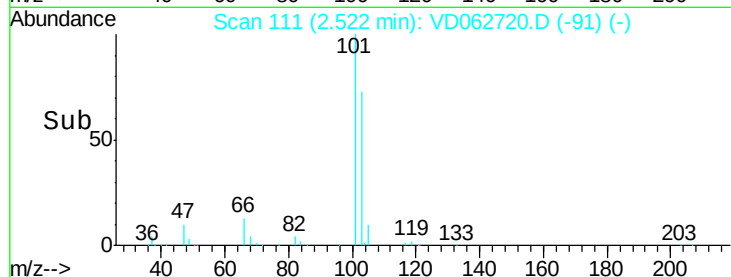
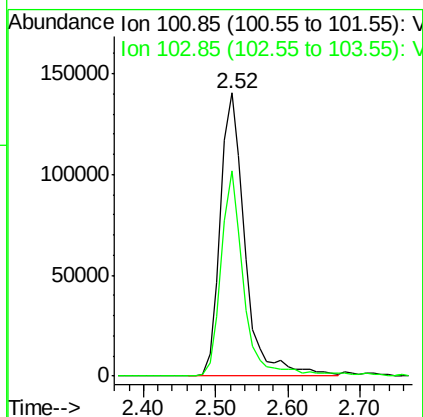
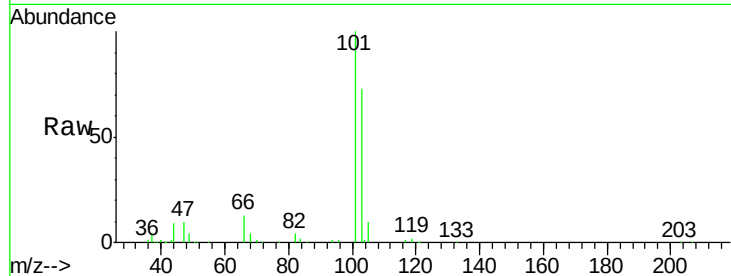


#7

Trichlorofluoromethane
Concen: 21.022 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

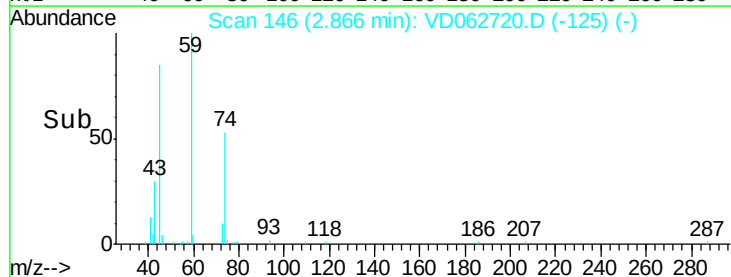
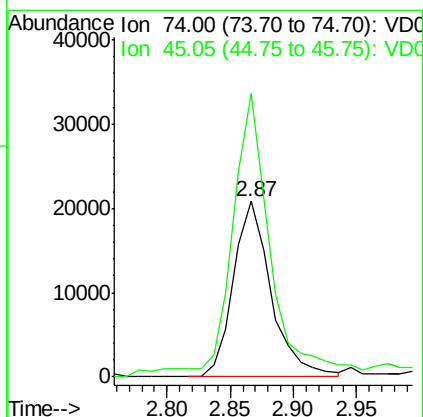
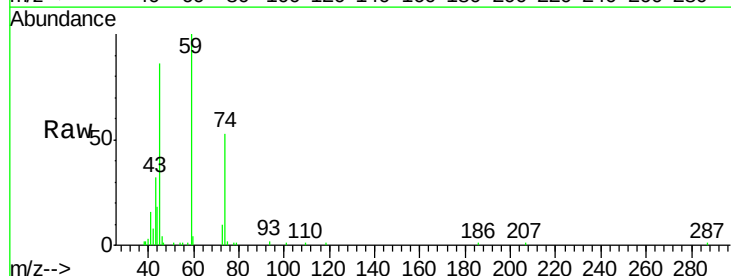
Tot Ion:101 Resp: 333164
Ion Ratio Lower Upper
101 100
103 72.7 52.2 78.2

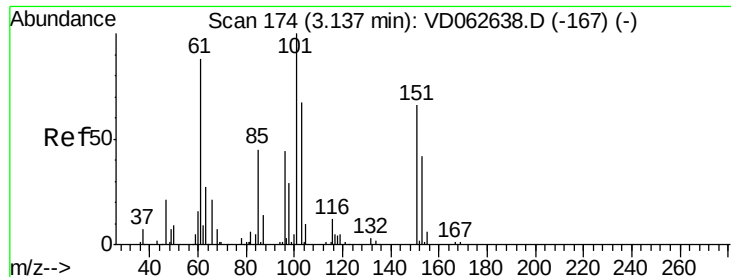


#8

Diethyl Ether
Concen: 19.982 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion: 74 Resp: 43071
Ion Ratio Lower Upper
74 100
45 161.2 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.724 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

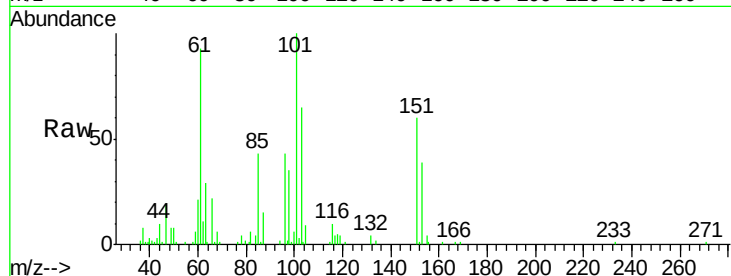
Tot Ion:101 Resp: 185672

Ion Ratio Lower Upper

101 100

85 43.1 36.0 54.0

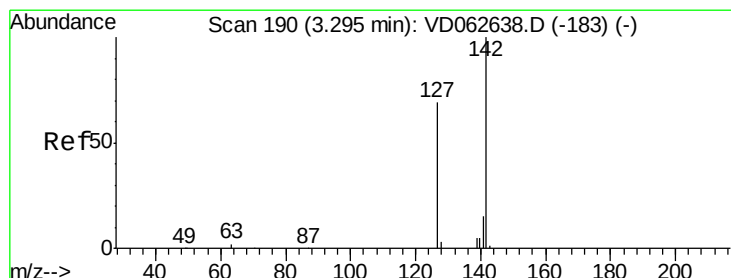
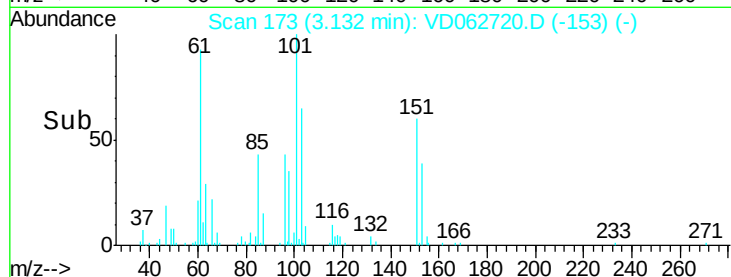
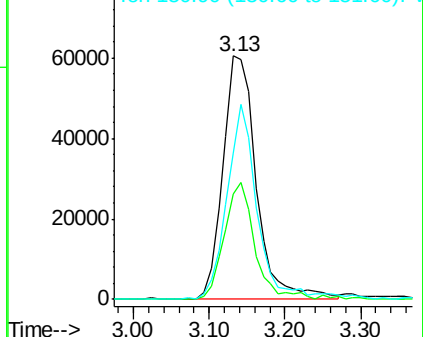
151 60.1 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.314 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

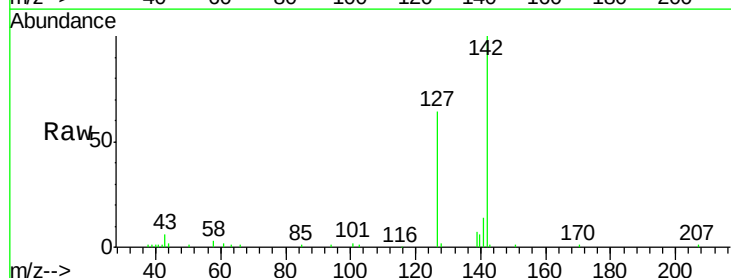
Tgt Ion:142 Resp: 206444

Ion Ratio Lower Upper

142 100

127 63.5 55.2 82.8

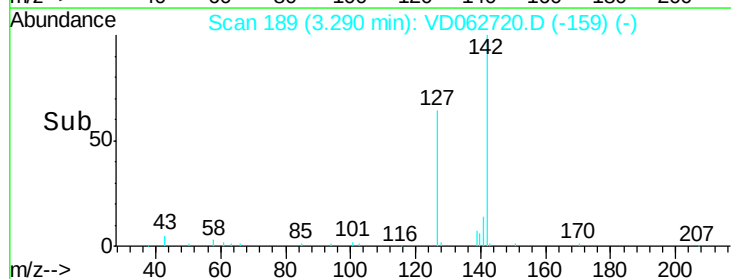
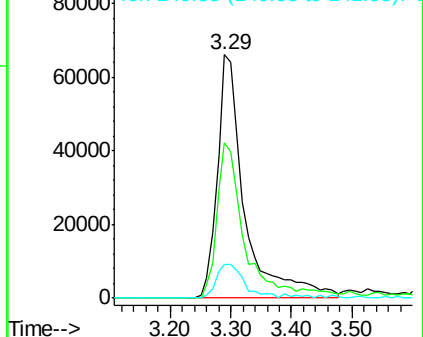
141 13.6 12.1 18.1

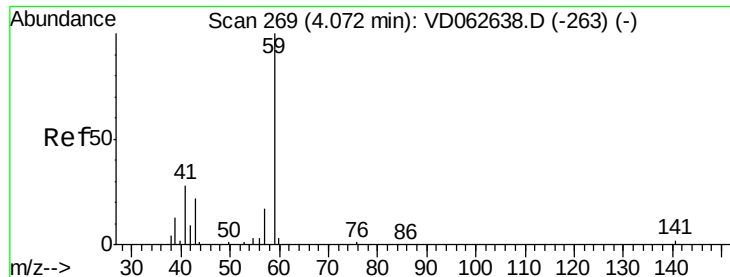


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



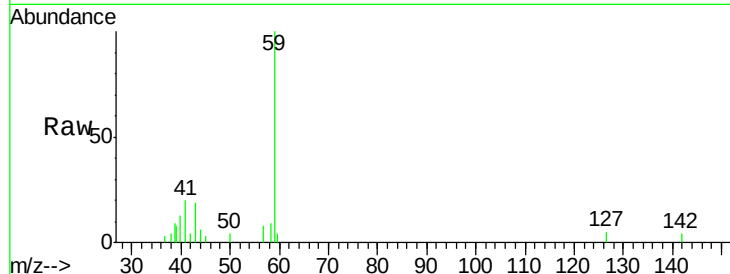


#11

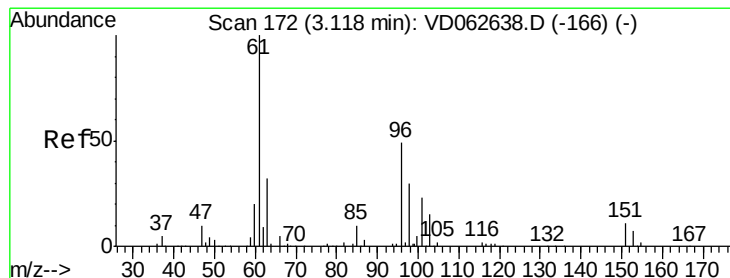
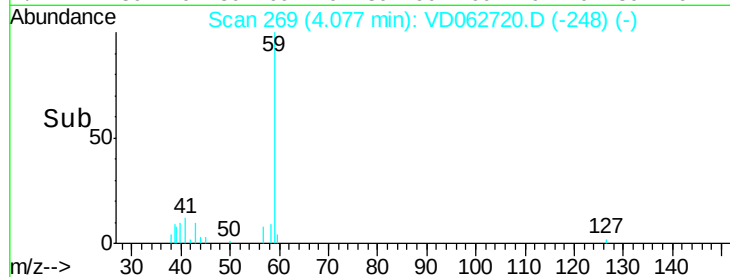
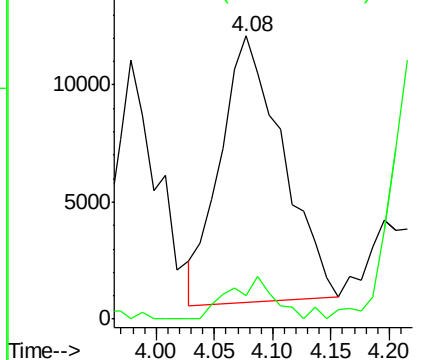
Tert butyl alcohol
 Concen: 102.166 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.00 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

Tot Ion: 59 Resp: 42053
 Ion Ratio Lower Upper
 59 100
 57 8.2 13.7 20.5#



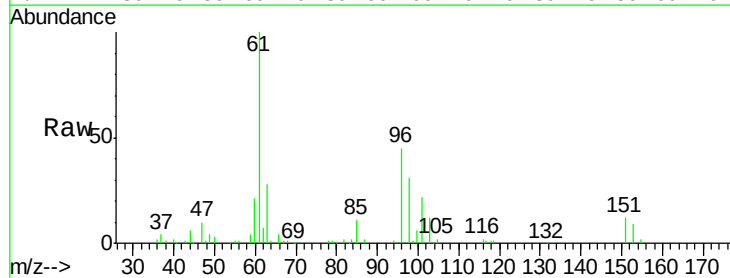
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



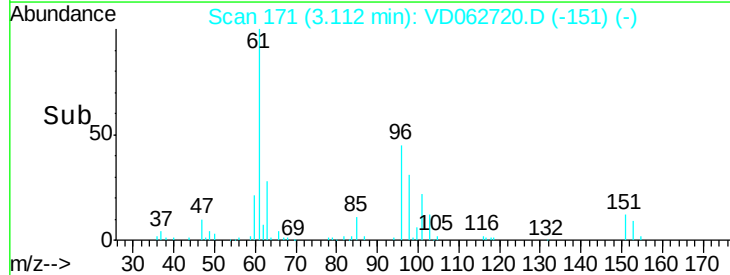
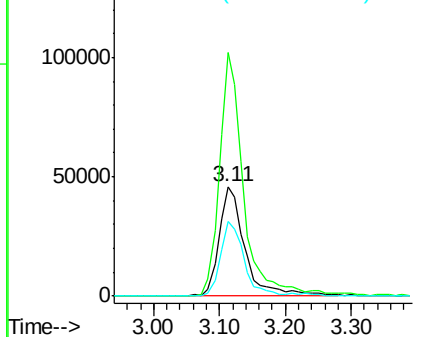
#12

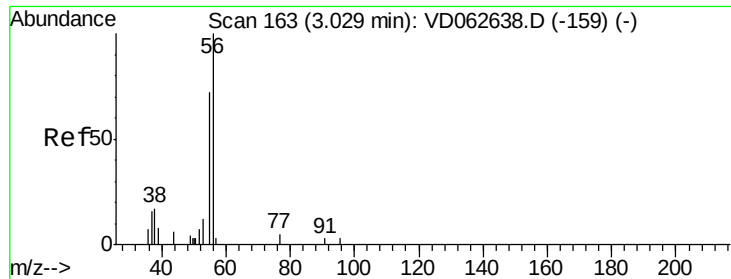
1,1-Dichloroethene
 Concen: 20.418 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Tgt Ion: 96 Resp: 125234
 Ion Ratio Lower Upper
 96 100
 61 222.3 161.8 242.8
 98 68.4 48.2 72.4



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





#13

Acrolein

Concen: 95.488 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

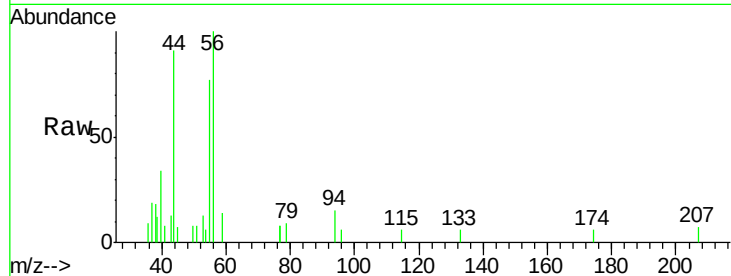
VD0617SBS01

Tot Ion: 56 Resp: 12643

Ion Ratio Lower Upper

56 100

55 76.7 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

6000

5000

4000

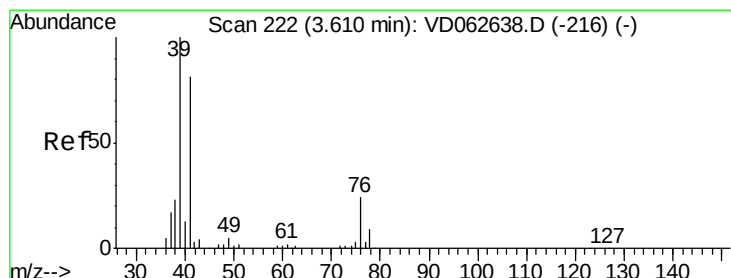
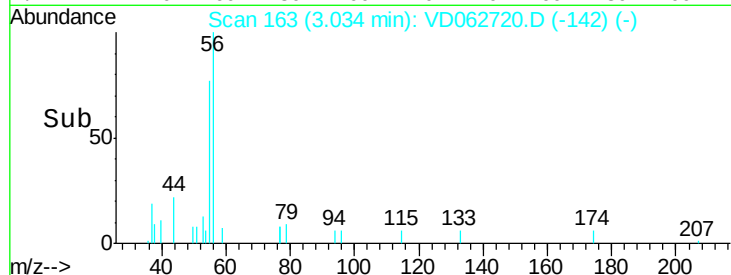
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 21.751 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

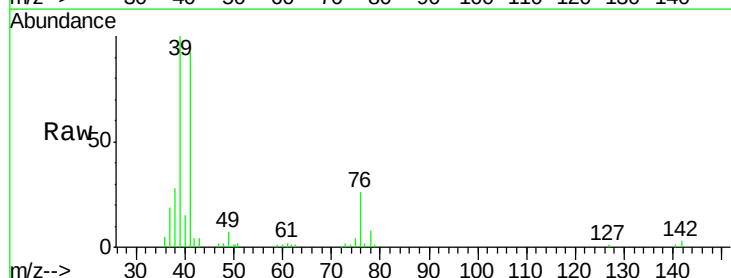
Tgt Ion: 41 Resp: 205131

Ion Ratio Lower Upper

41 100

39 108.8 99.1 148.7

76 28.2 25.0 37.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.60

100000

80000

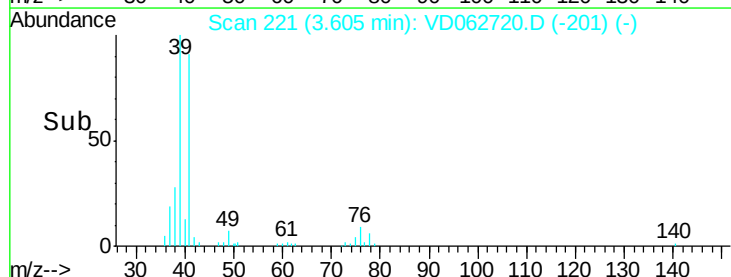
60000

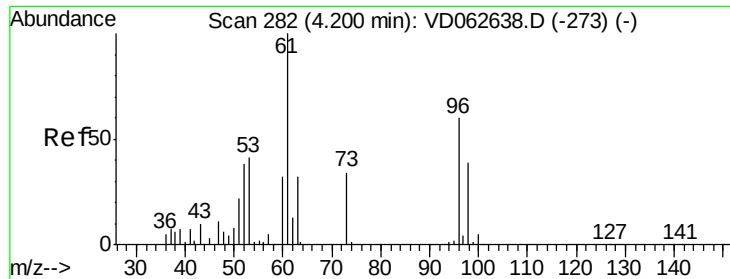
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 103.080 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

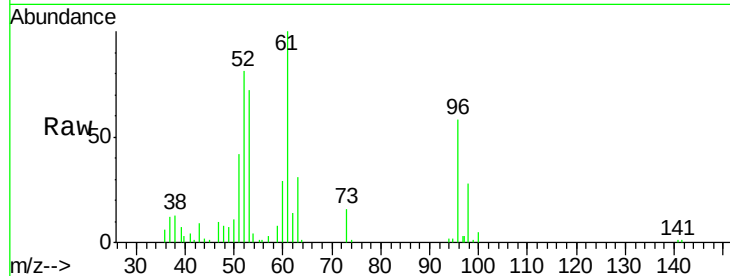
Tot Ion: 53 Resp: 96417

Ion Ratio Lower Upper

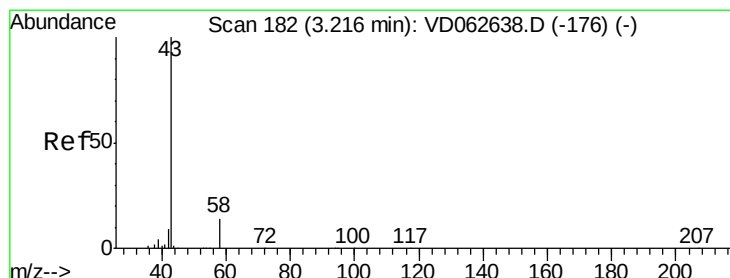
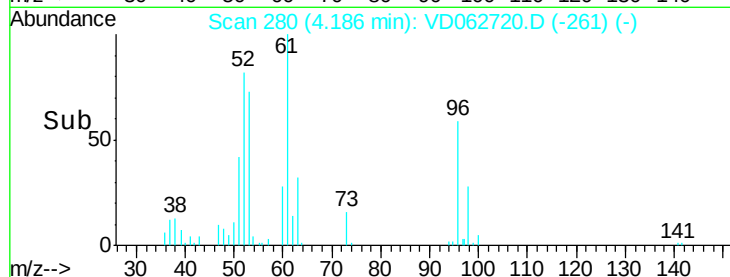
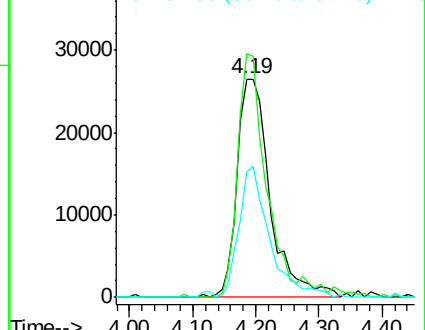
53 100

52 111.4 73.6 110.4#

51 57.5 42.0 63.0



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: 109.583 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062720.D

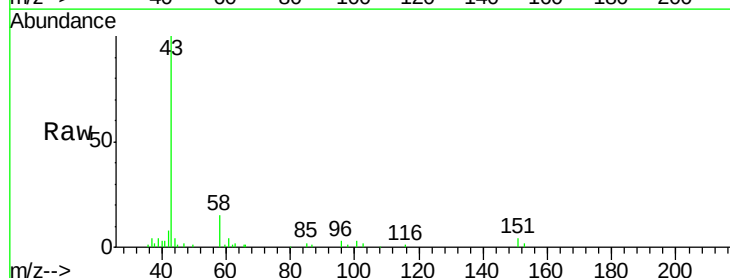
Acq: 17 Jun 2019 12:18

Tgt Ion: 43 Resp: 200939

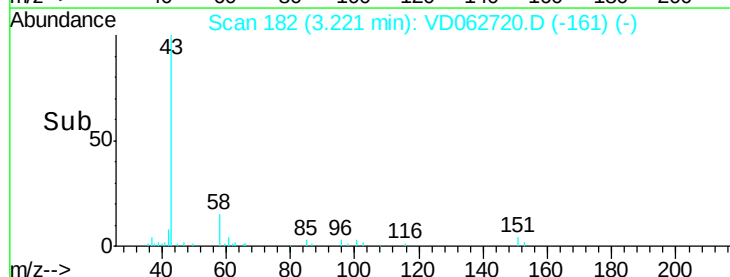
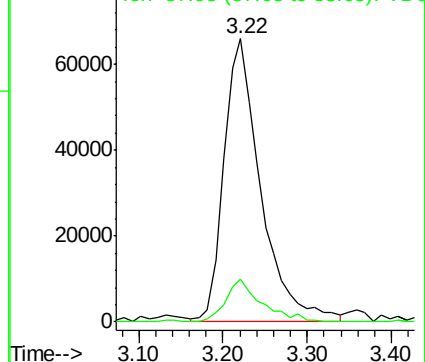
Ion Ratio Lower Upper

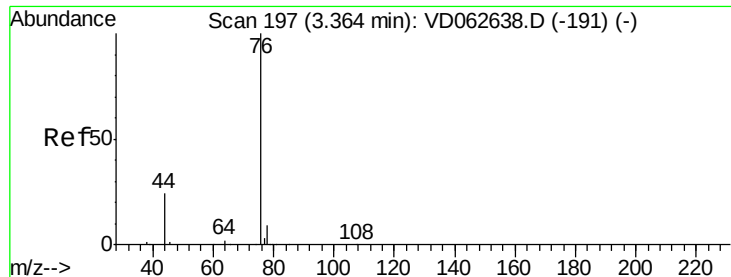
43 100

58 15.3 10.8 16.2



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





#17

Carbon Disulfide

Concen: 20.064 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

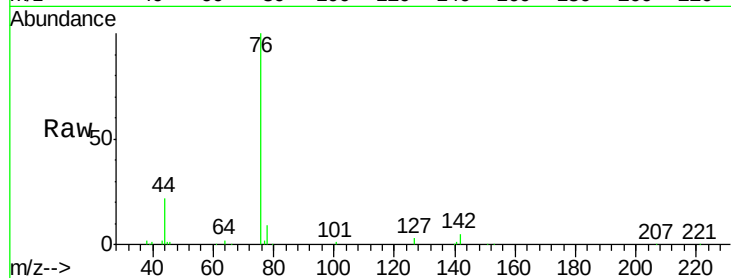
VD0617SBS01

Tot Ion: 76 Resp: 362653

Ion Ratio Lower Upper

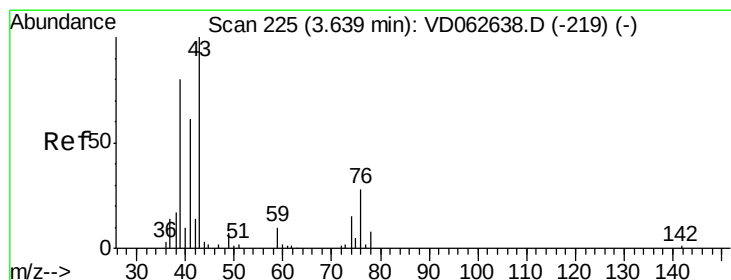
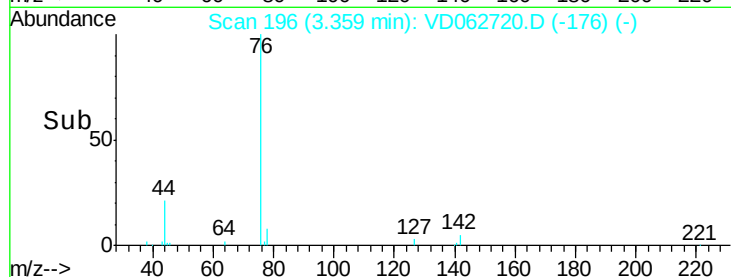
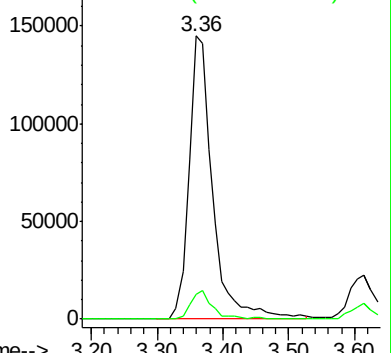
76 100

78 8.6 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 22.174 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062720.D

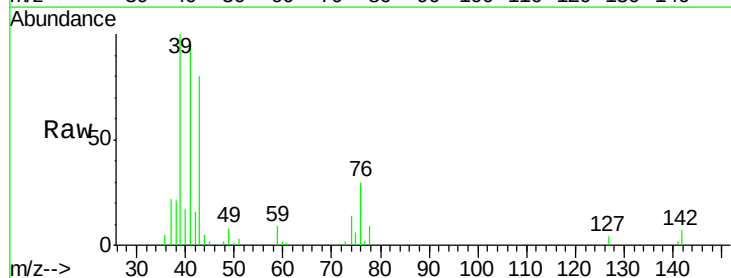
Acq: 17 Jun 2019 12:18

Tgt Ion: 43 Resp: 66820

Ion Ratio Lower Upper

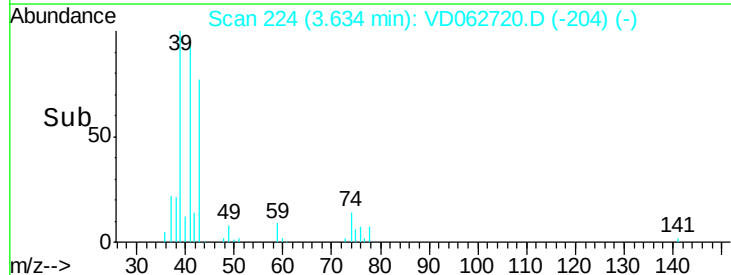
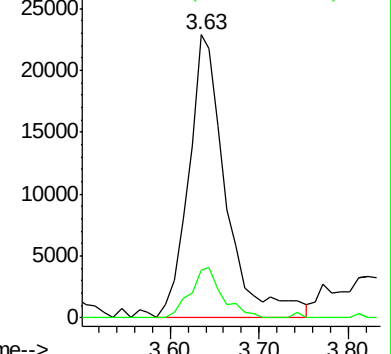
43 100

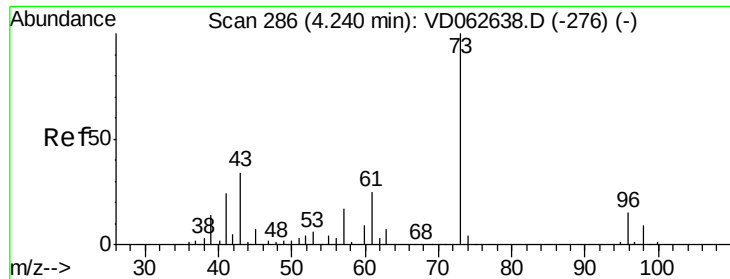
74 17.1 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

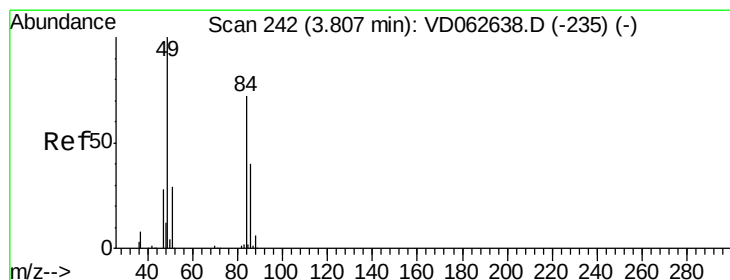
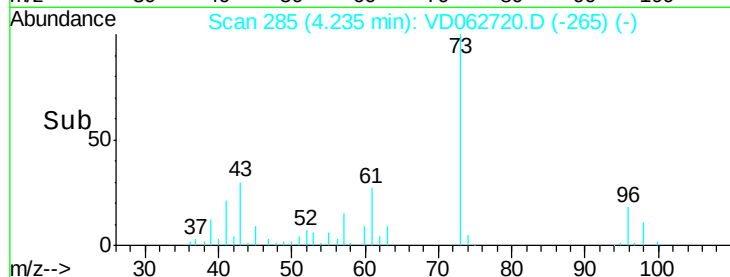
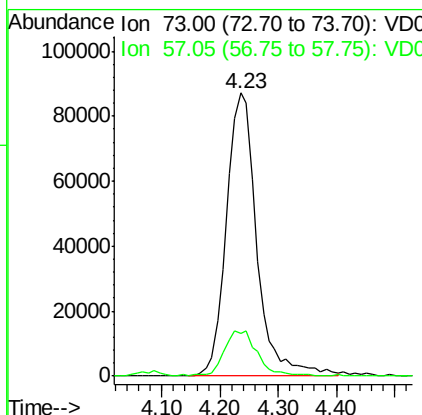
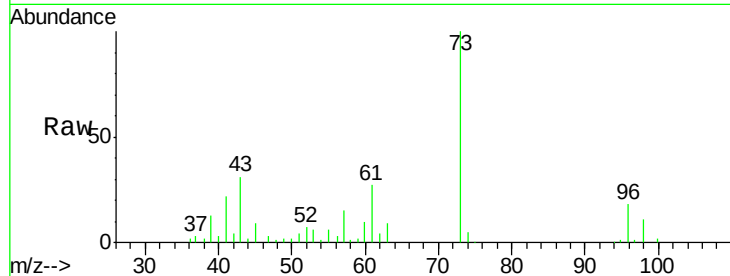




#19
Methyl tert-butyl Ether
Concen: 21.150 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

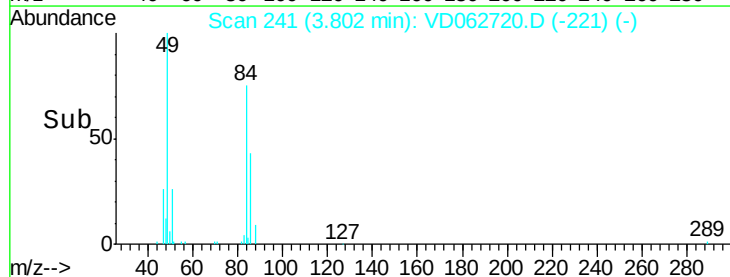
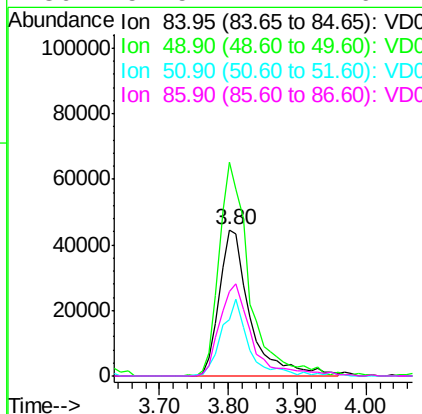
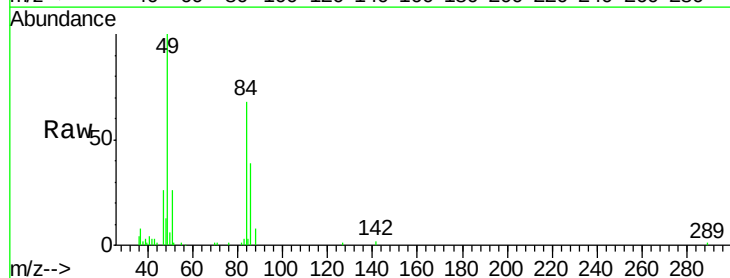
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

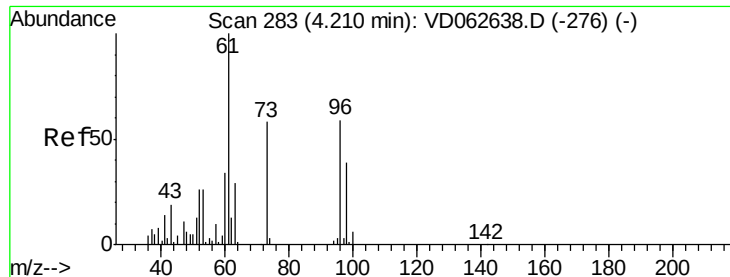
Tot Ion: 73 Resp: 316397
Ion Ratio Lower Upper
73 100
57 14.9 13.5 20.3



#20
Methylene Chloride
Concen: 19.691 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion: 84 Resp: 138277
Ion Ratio Lower Upper
84 100
49 146.0 111.2 166.8
51 38.2 31.9 47.9
86 57.5 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 20.892 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

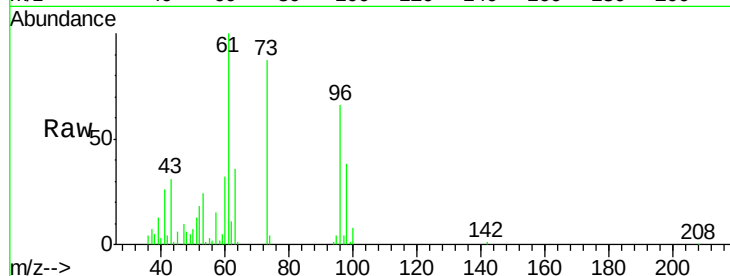
Tot Ion: 96 Resp: 140563

Ion Ratio Lower Upper

96 100

61 151.7 134.6 201.8

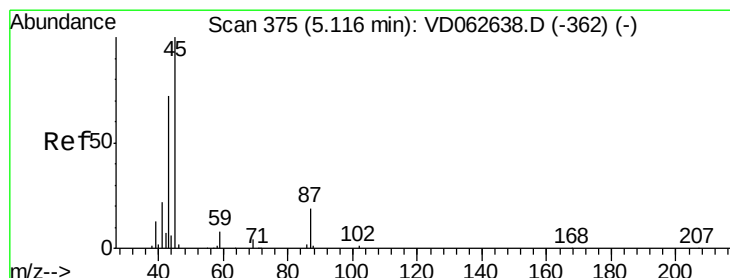
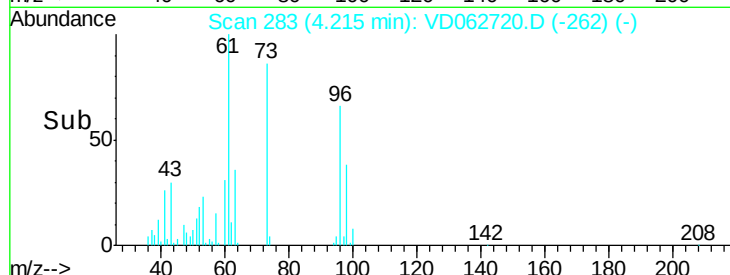
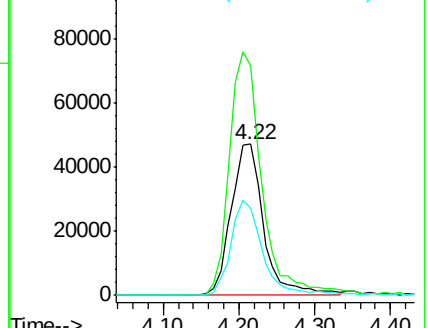
98 58.1 51.8 77.8



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: 22.230 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Tgt Ion: 45 Resp: 435313

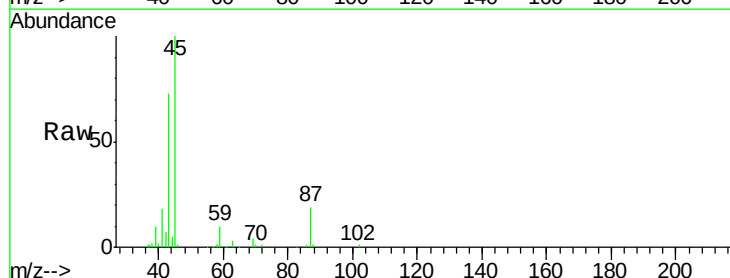
Ion Ratio Lower Upper

45 100

43 72.5 58.8 88.2

87 18.8 15.7 23.5

59 9.6 6.6 9.8

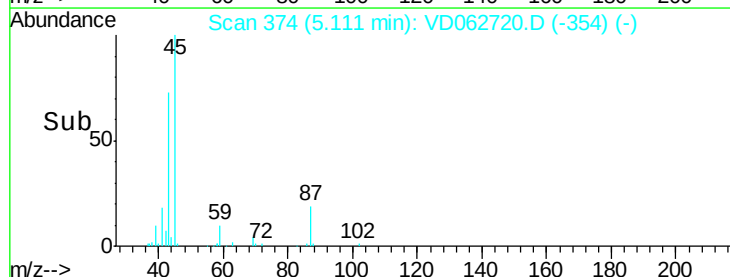
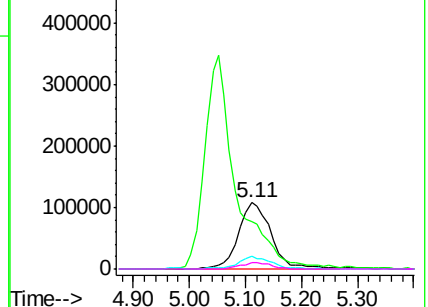


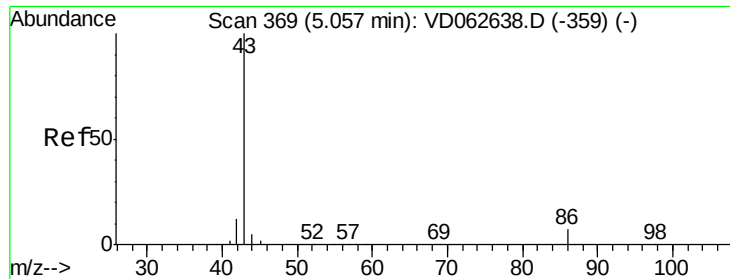
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 110.605 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

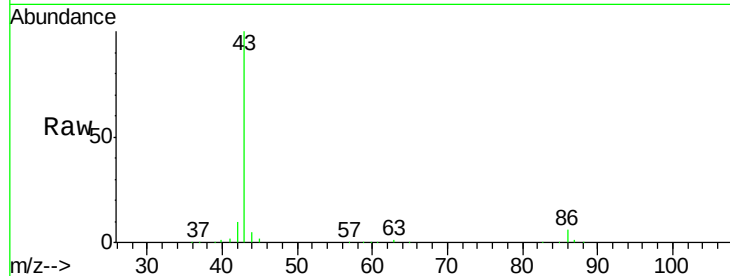
VD0617SBS01

Tot Ion: 43 Resp: 1343707

Ion Ratio Lower Upper

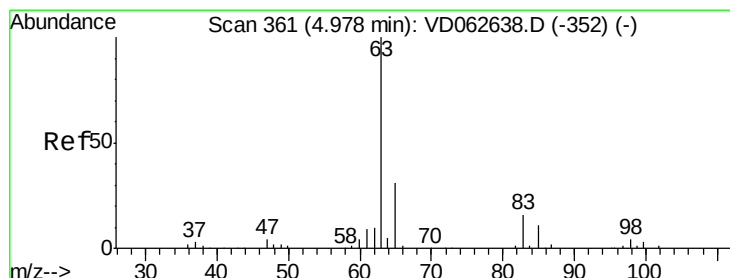
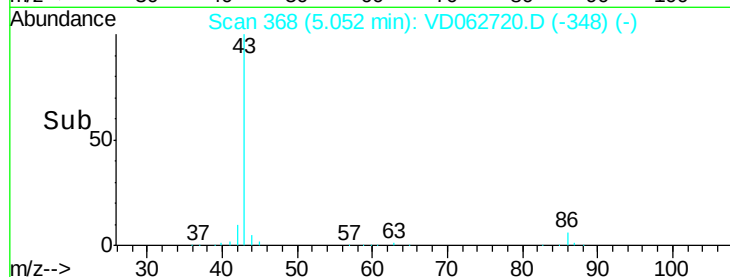
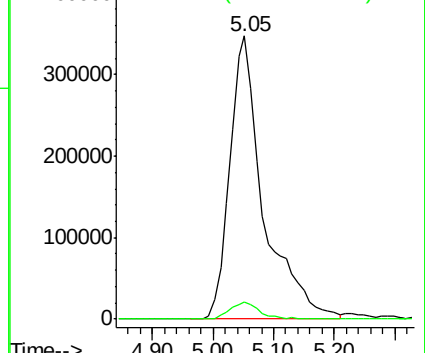
43 100

86 6.1 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.017 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

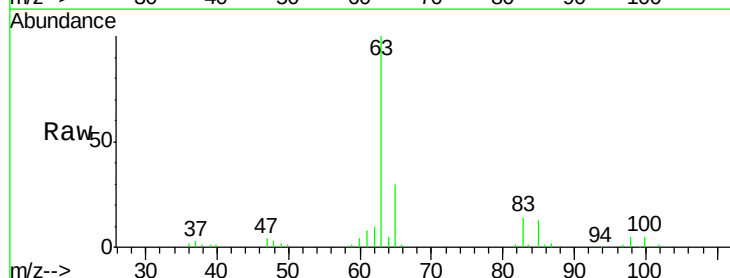
Tgt Ion: 63 Resp: 277360

Ion Ratio Lower Upper

63 100

98 5.1 1.8 5.4

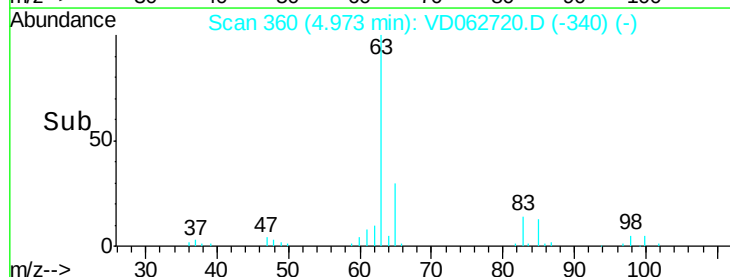
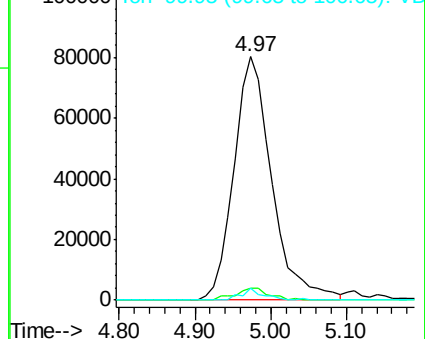
100 4.8 1.5 4.4#

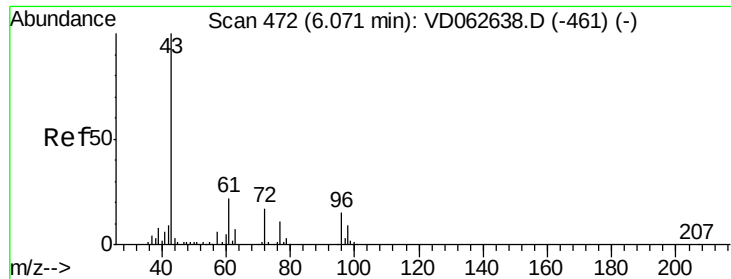


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 98.861 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

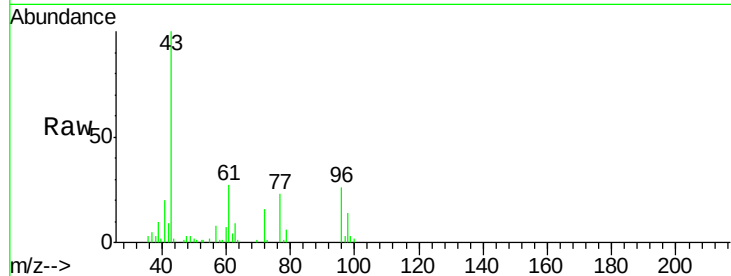
VD0617SBS01

Tot Ion: 43 Resp: 176853

Ion Ratio Lower Upper

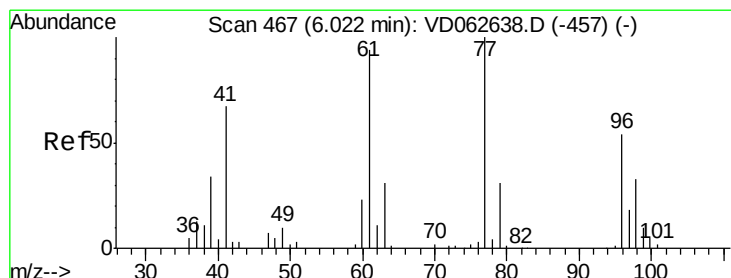
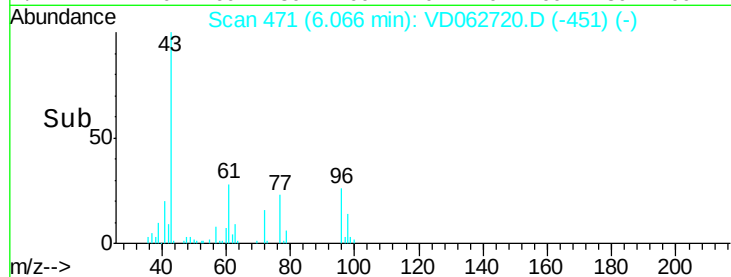
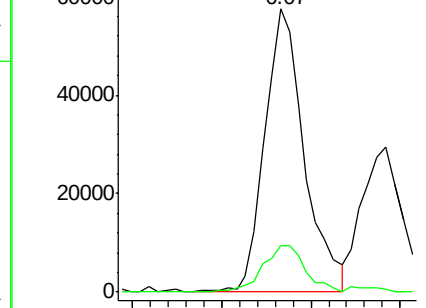
43 100

72 16.3 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.442 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062720.D

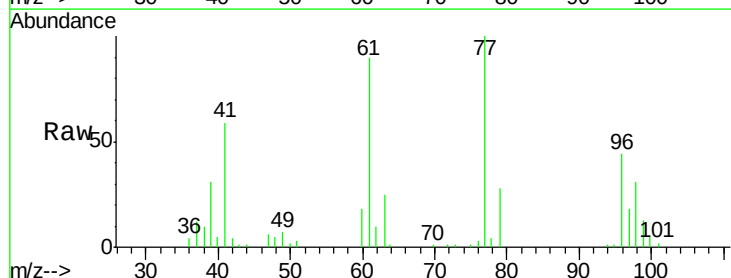
Acq: 17 Jun 2019 12:18

Tgt Ion: 77 Resp: 311319

Ion Ratio Lower Upper

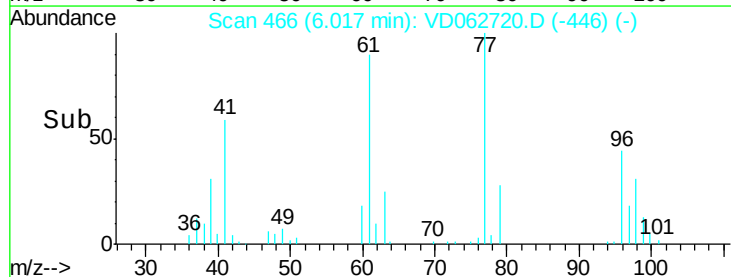
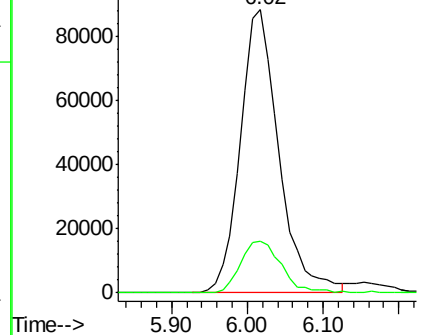
77 100

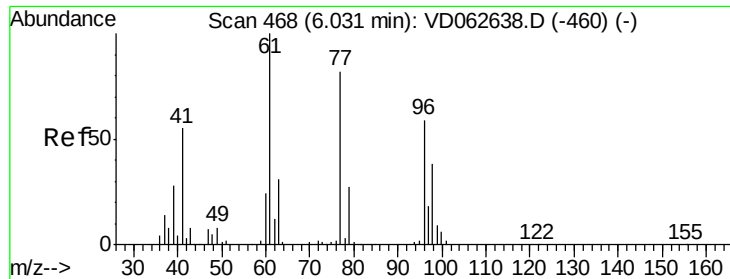
97 18.2 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



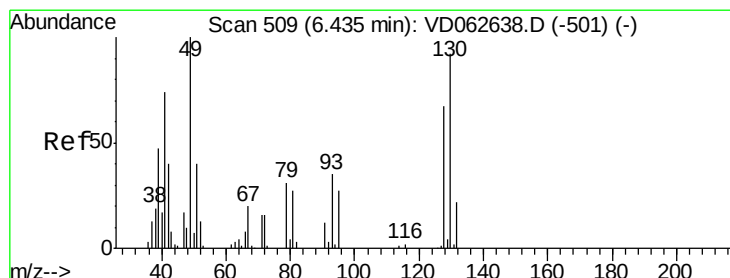
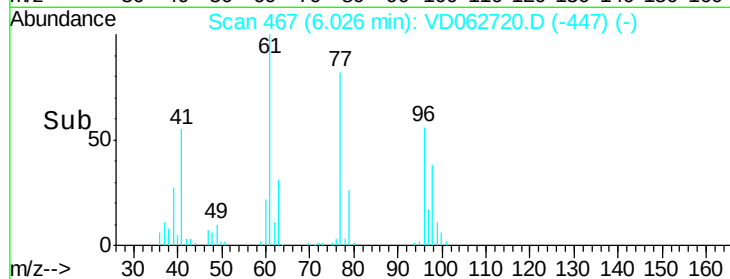
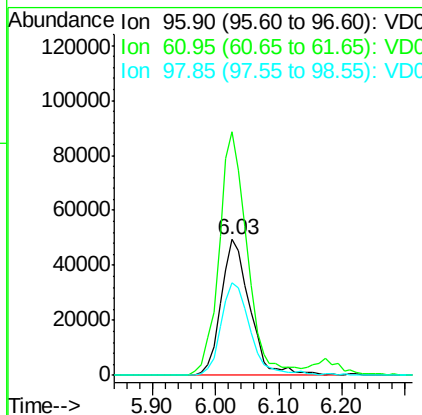
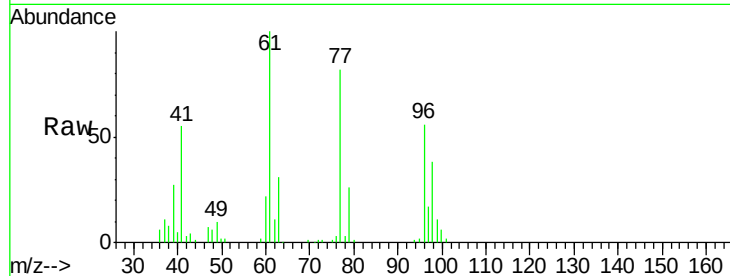


#27

cis-1,2-Dichloroethene
 Concen: 21.538 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

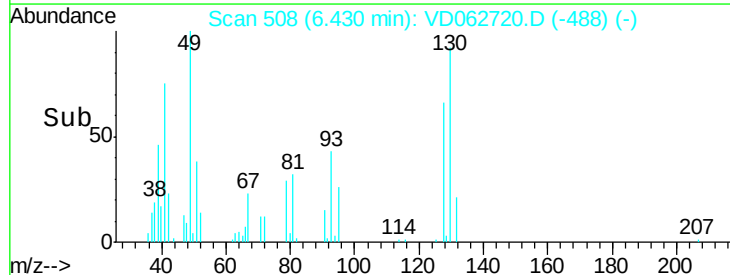
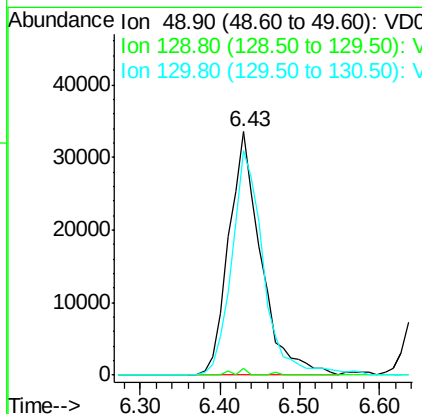
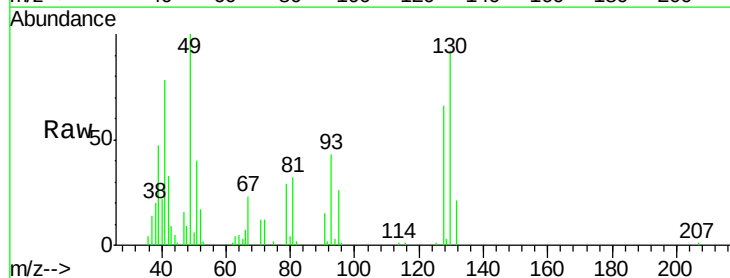
Tot Ion	Ratio	Lower	Upper
96	100		
61	179.1	0.0	340.0
98	67.9	0.0	127.6

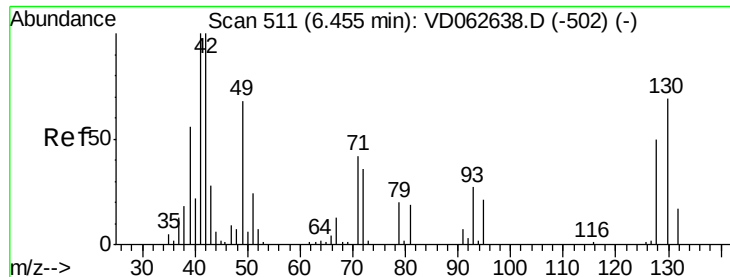


#28

Bromochloromethane
 Concen: 19.645 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	8.2
130	92.2	73.4	110.0





#29

Tetrahydrofuran

Concen: 106.547 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

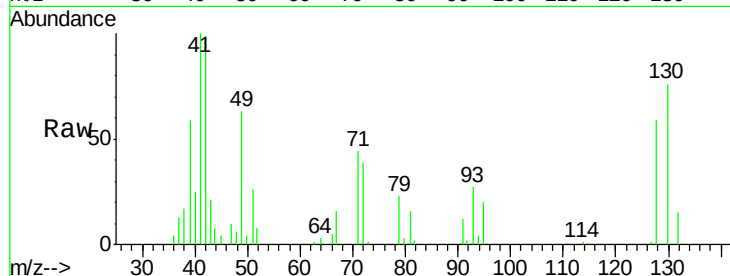
Tot Ion: 42 Resp: 85834

Ion Ratio Lower Upper

42 100

72 38.5 33.8 50.6

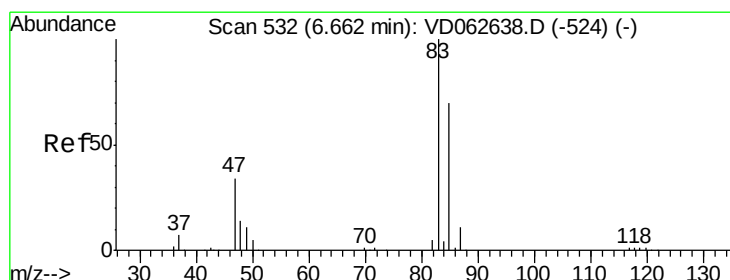
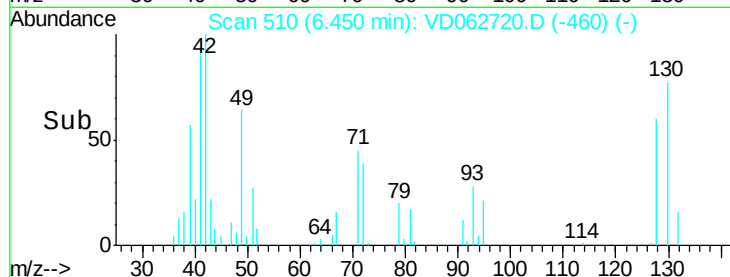
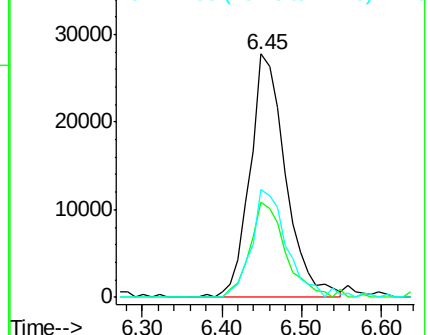
71 42.5 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.464 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062720.D

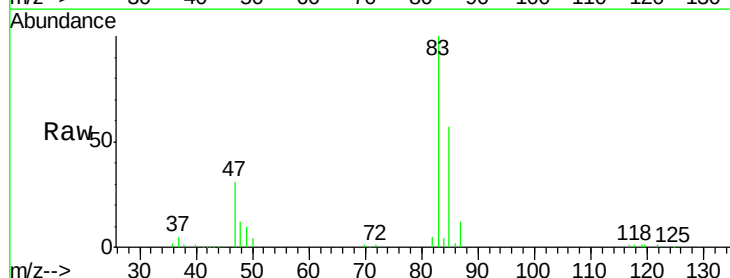
Acq: 17 Jun 2019 12:18

Tgt Ion: 83 Resp: 346925

Ion Ratio Lower Upper

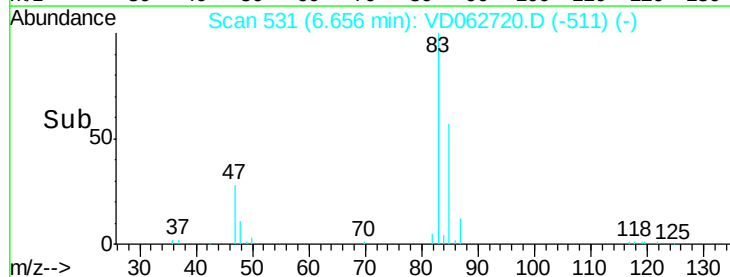
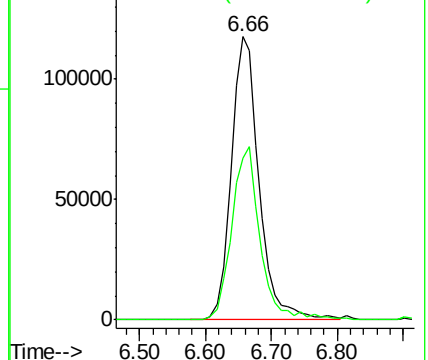
83 100

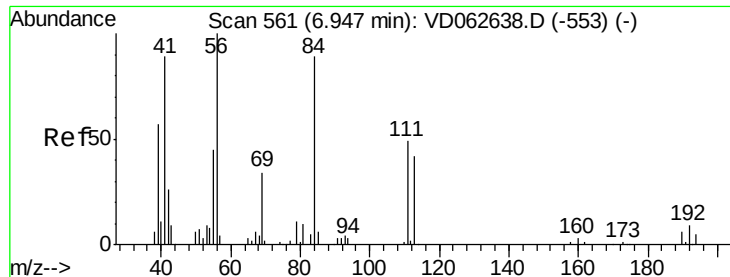
85 57.3 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

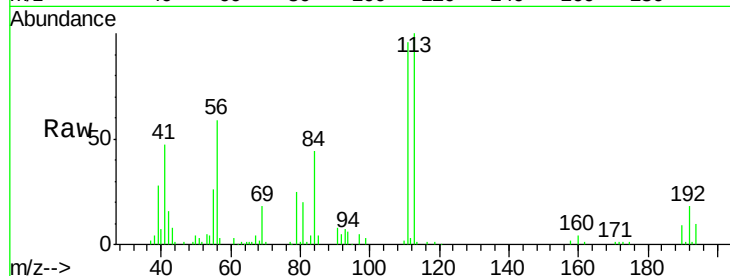




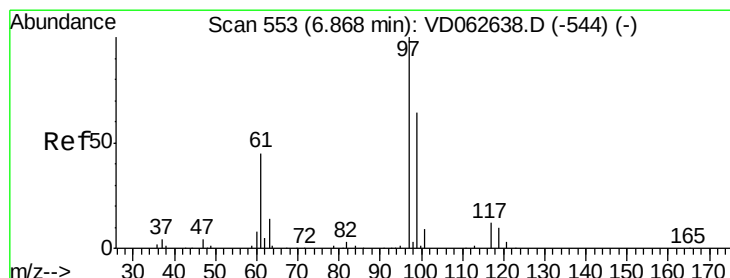
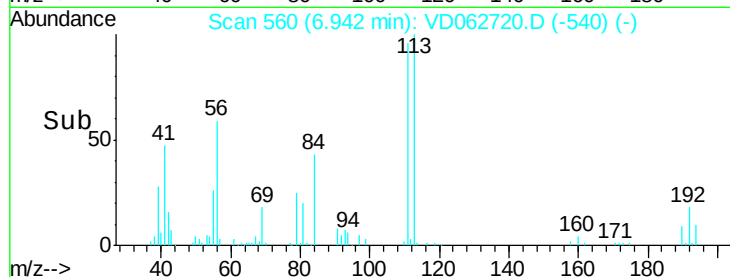
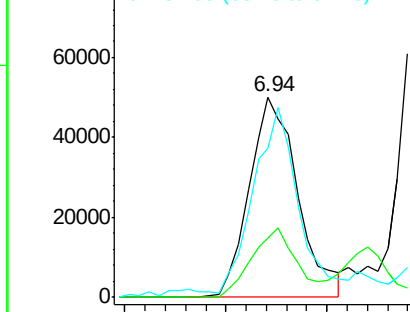
#31
Cyclohexane
Concen: 21.132 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

Tot Ion: 56 Resp: 166996
Ion Ratio Lower Upper
56 100
69 29.8 26.8 40.2
84 73.9 73.9 110.9

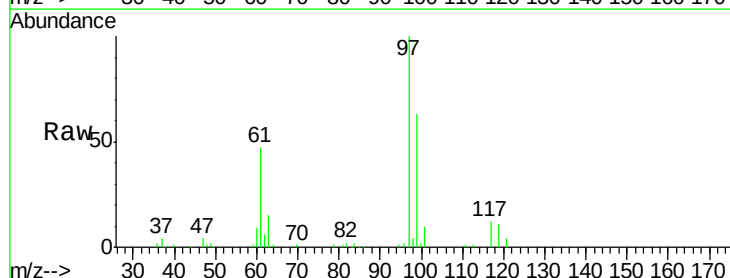


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

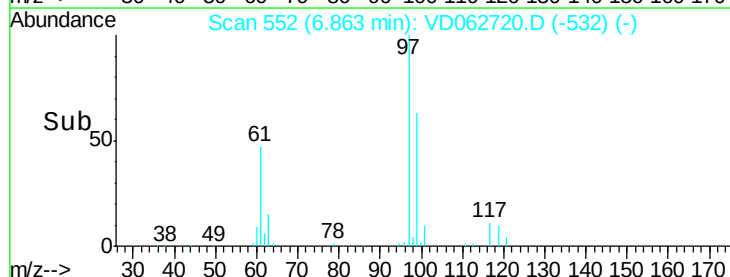
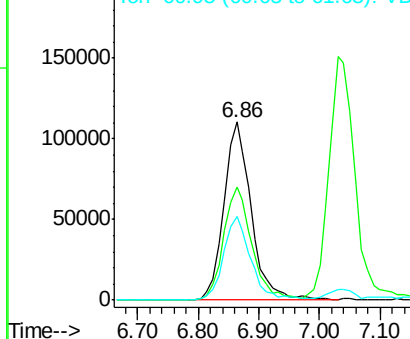


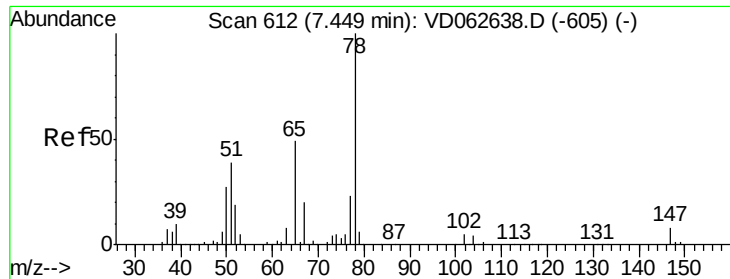
#32
1,1,1-Trichloroethane
Concen: 21.483 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion: 97 Resp: 345520
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.0
61 46.9 35.6 53.4



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

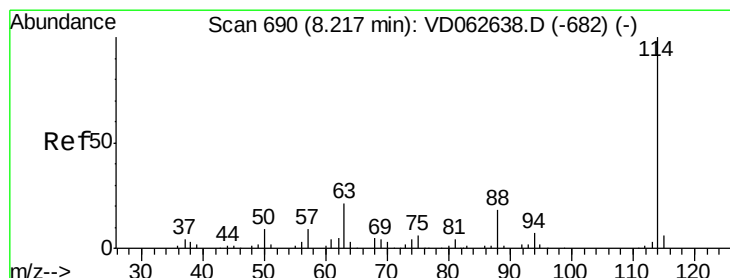
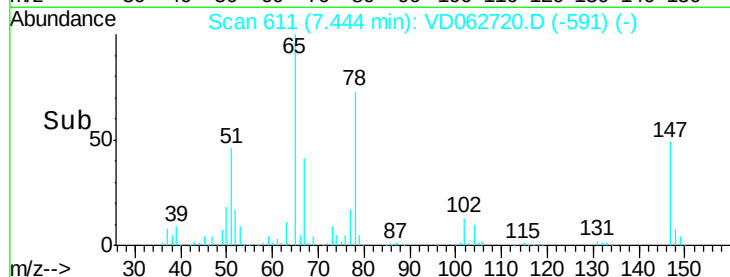
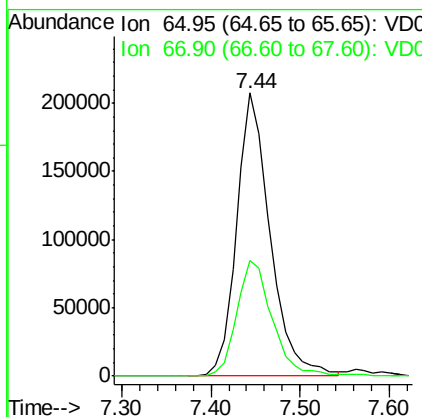
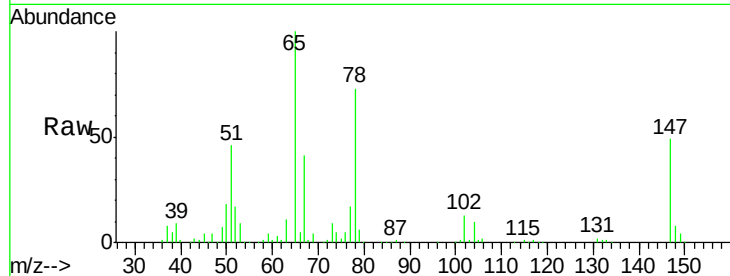




#33
 1,2-Dichloroethane-d4
 Concen: 54.035 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

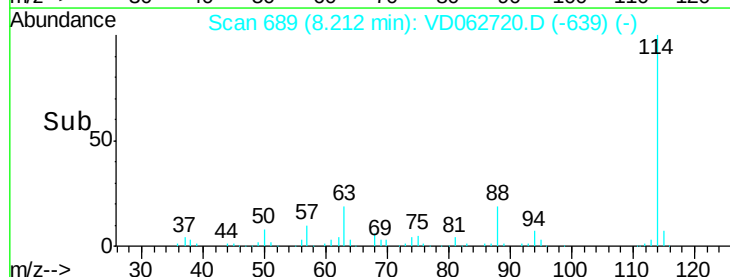
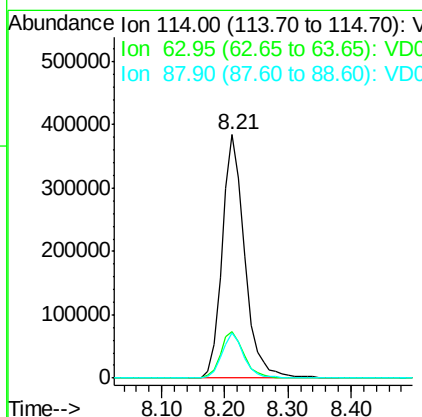
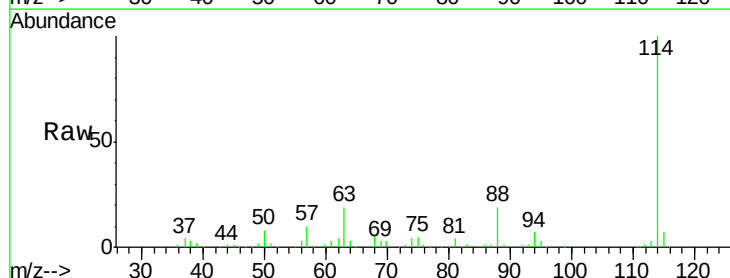
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

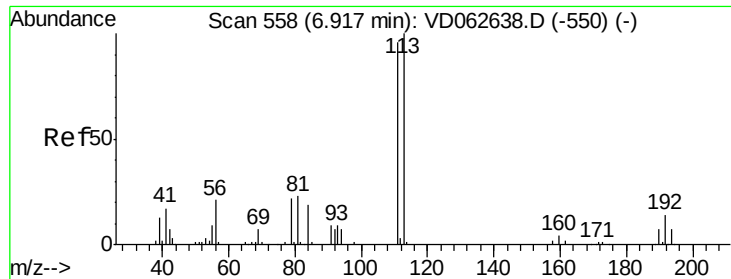
Tot Ion: 65 Resp: 541092
 Ion Ratio Lower Upper
 65 100
 67 41.1 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Tgt Ion: 114 Resp: 952735
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.4
 88 18.5 0.0 36.8

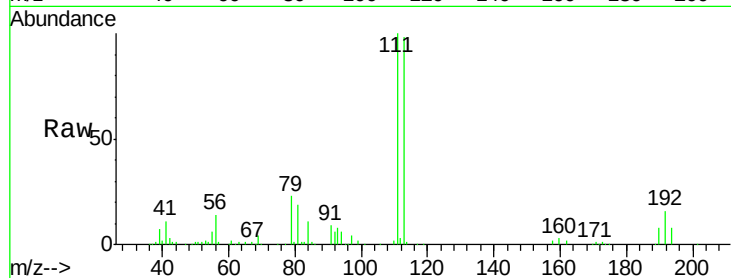




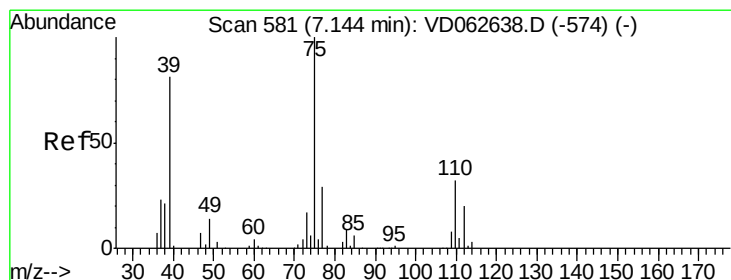
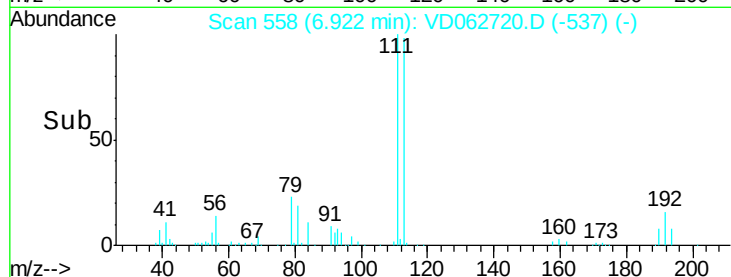
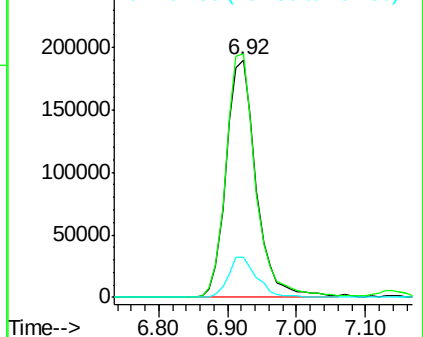
#35
Dibromofluoromethane
Concen: 56.848 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

Tot Ion:113 Resp: 571203
Ion Ratio Lower Upper
113 100
111 102.5 76.4 114.6
192 16.9 11.4 17.0

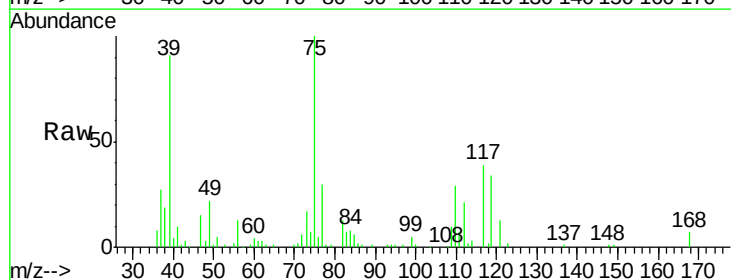


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

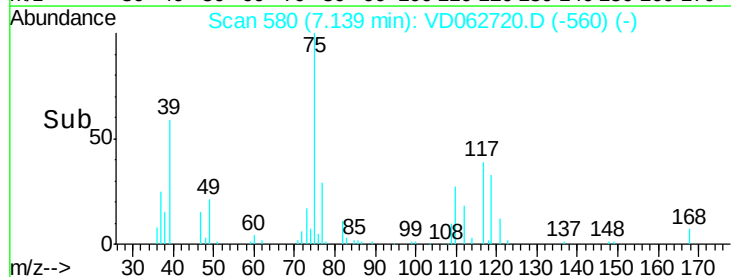
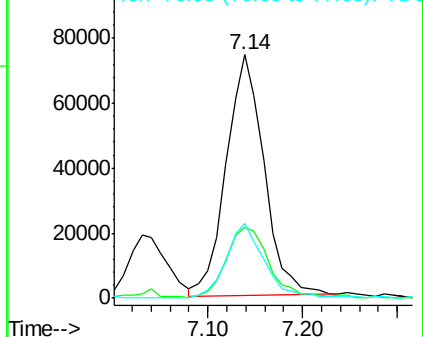


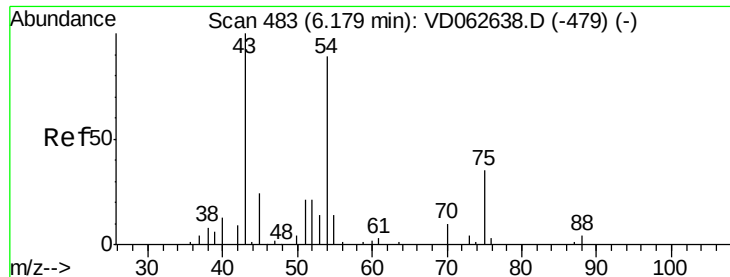
#36
1,1-Dichloropropene
Concen: 18.759 ug/l
RT: 7.14 min Scan# 580
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion: 75 Resp: 204548
Ion Ratio Lower Upper
75 100
110 29.1 15.9 47.7
77 30.4 23.3 34.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

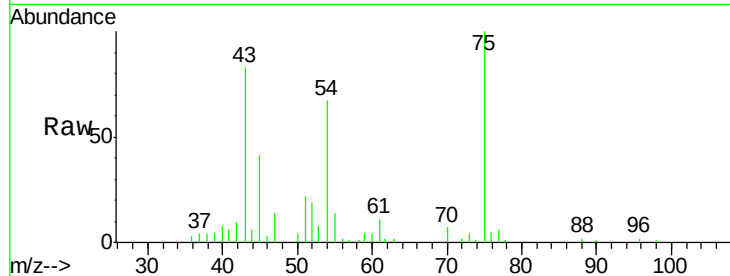




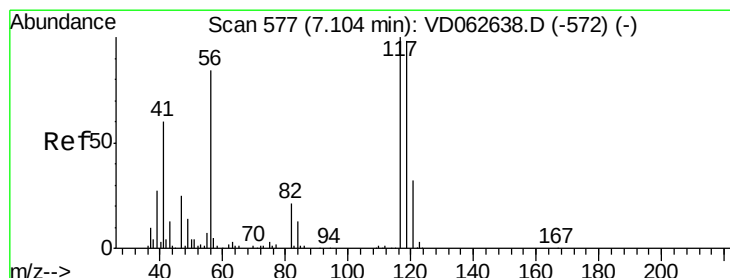
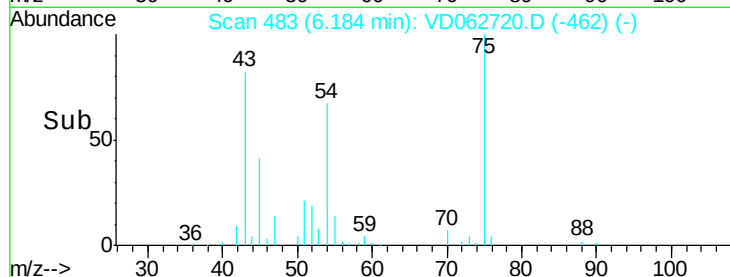
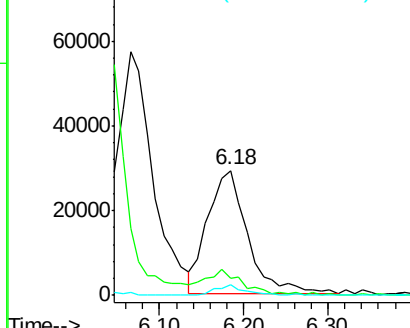
#37
Ethyl Acetate
Concen: 21.230 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

Tot Ion: 43 Resp: 95410
Ion Ratio Lower Upper
43 100
61 13.5 8.7 13.1#
70 8.9 6.5 9.7

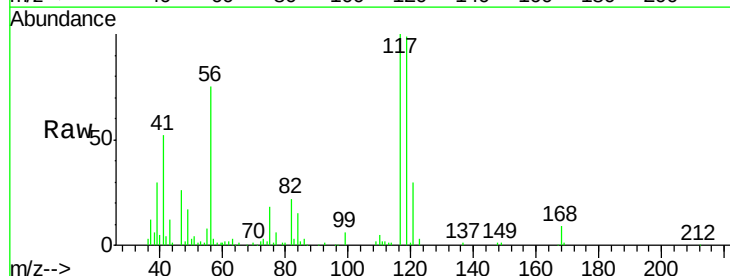


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

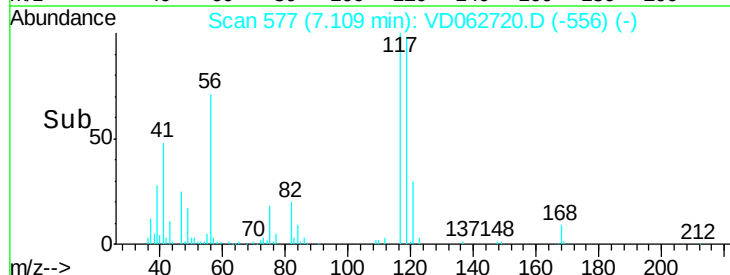
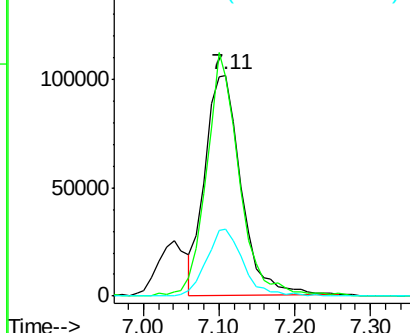


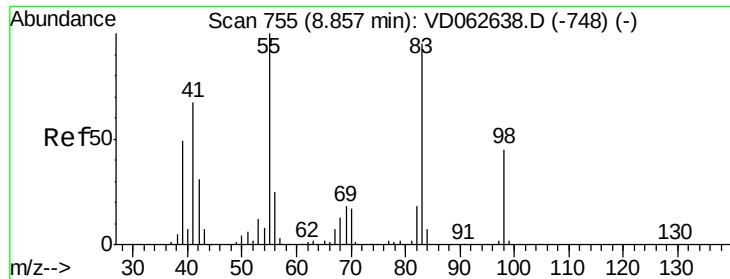
#38
Carbon Tetrachloride
Concen: 19.610 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion: 117 Resp: 337973
Ion Ratio Lower Upper
117 100
119 99.3 73.5 110.3
121 30.2 24.2 36.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

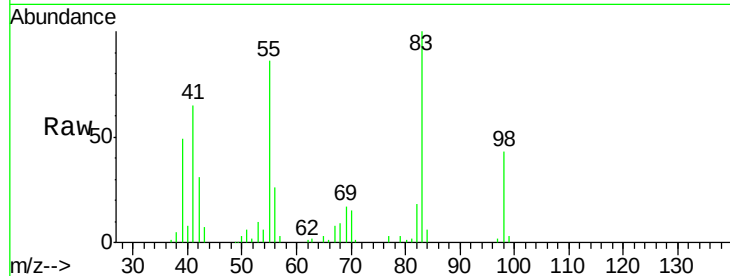




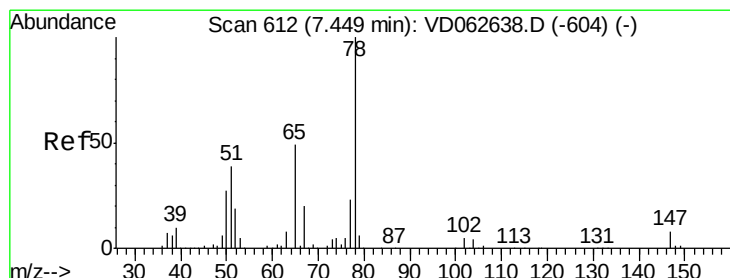
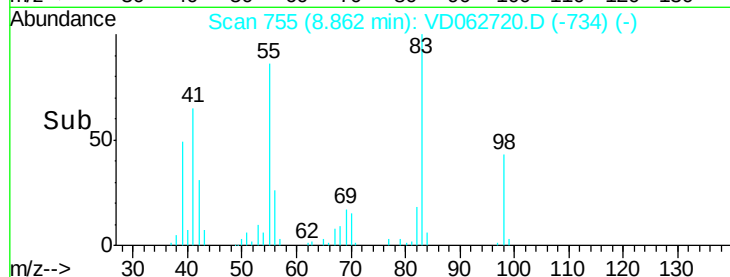
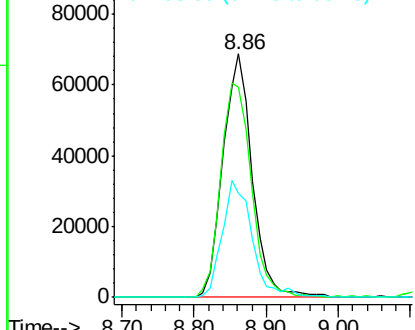
#39
Methylvlcyclohexane
Concen: 21.939 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

Tot Ion: 83 Resp: 193316
Ion Ratio Lower Upper
83 100
55 86.5 84.6 127.0
98 42.8 38.2 57.4

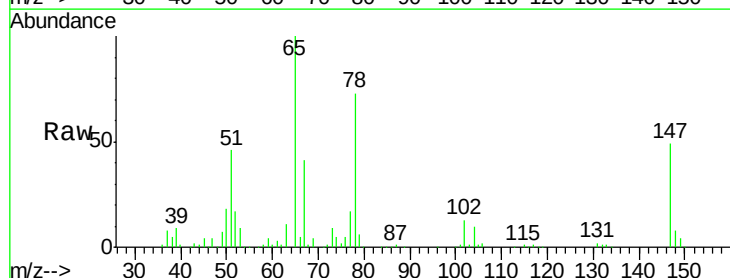


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

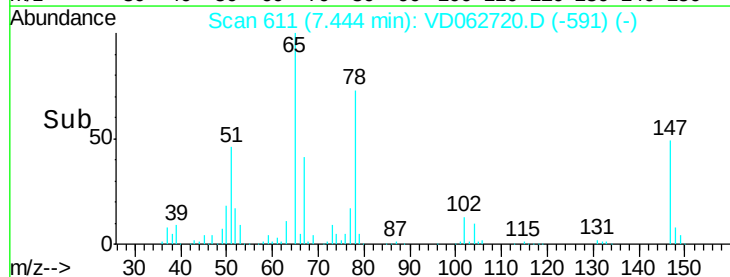
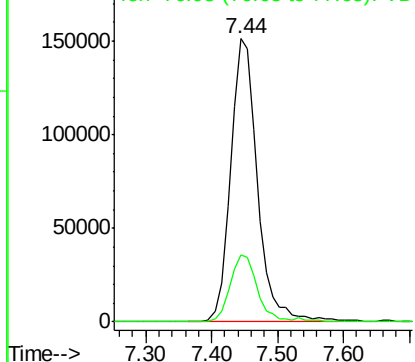


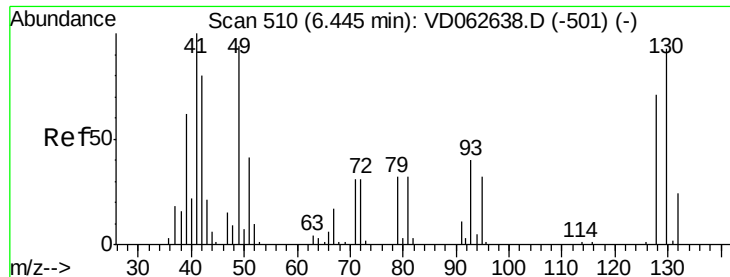
#40
Benzene
Concen: 20.312 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion: 78 Resp: 432532
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0



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

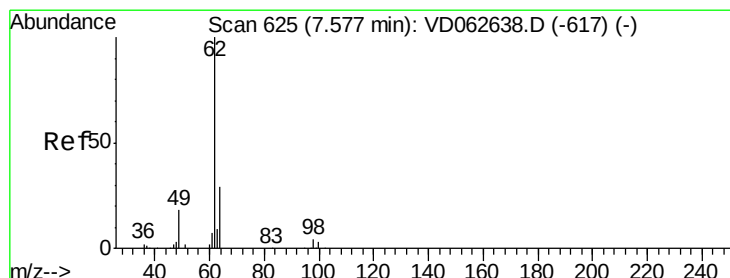
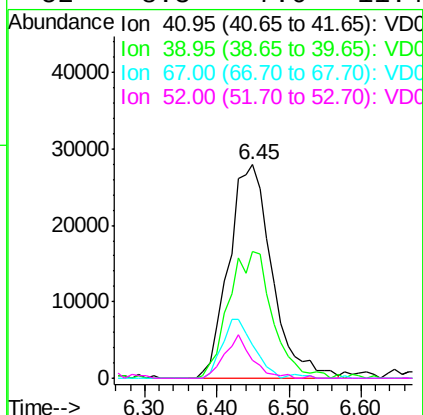
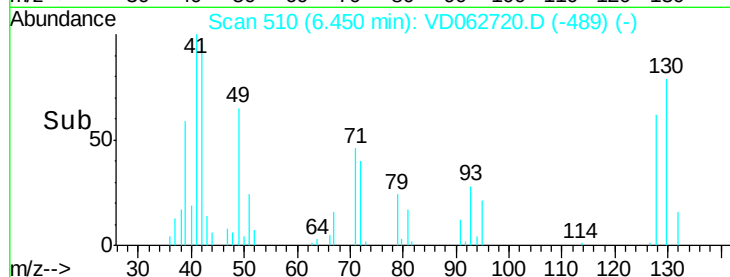
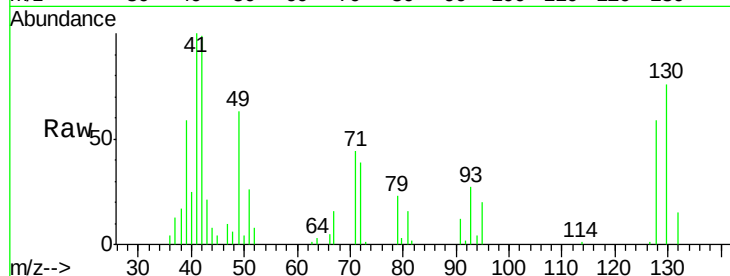




#41
Methacrylonitrile
Concen: 20.337 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

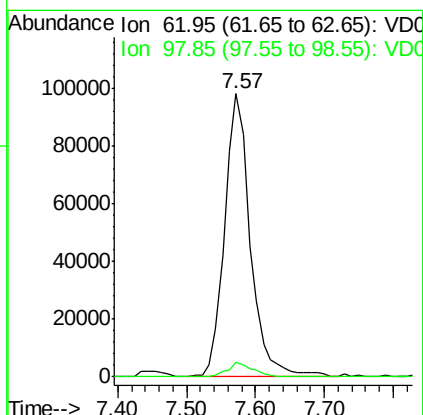
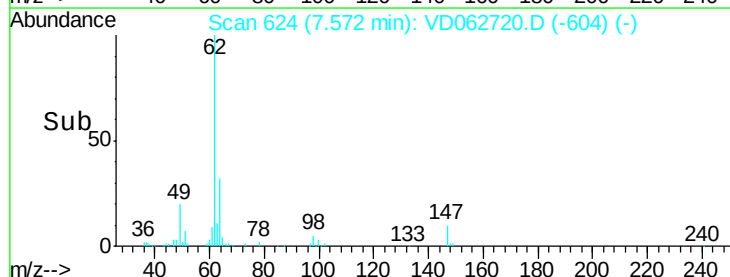
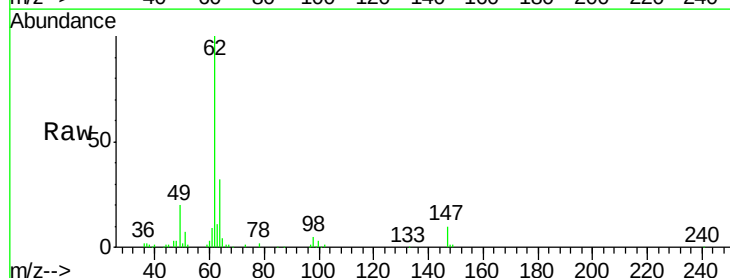
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

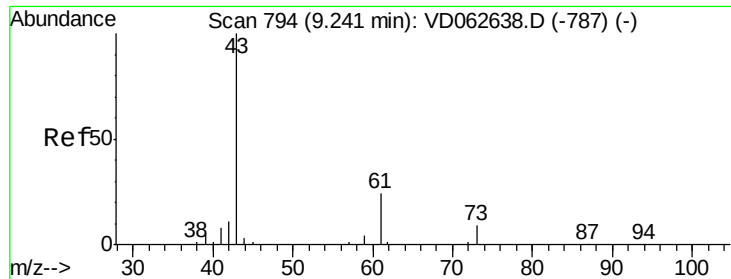
Tot Ion:	41	Resp:	116083
Ion	Ratio	Lower	Upper
41	100		
39	59.4	49.2	73.8
67	15.6	13.9	20.9
52	8.3	7.6	11.4



#42
1,2-Dichloroethane
Concen: 20.083 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion:	62	Resp:	254903
Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	7.4





#43

Isopropyl Acetate

Concen: 20.695 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

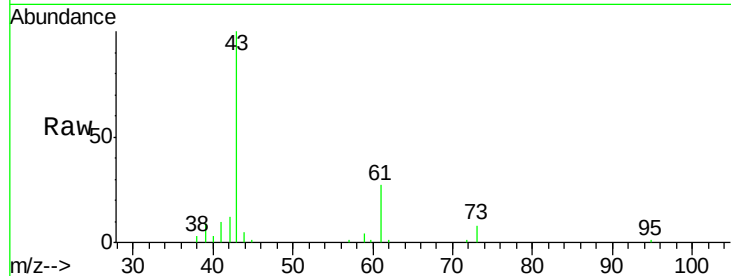
Tot Ion: 43 Resp: 119066

Ion Ratio Lower Upper

43 100

61 27.5 19.0 28.6

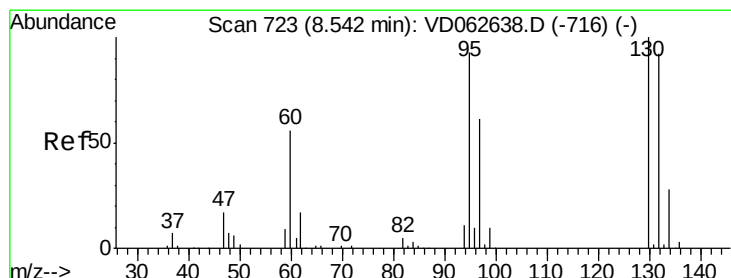
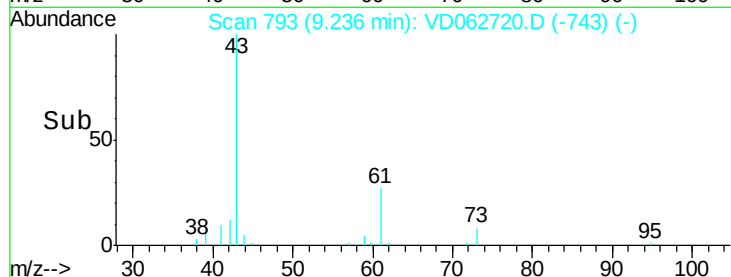
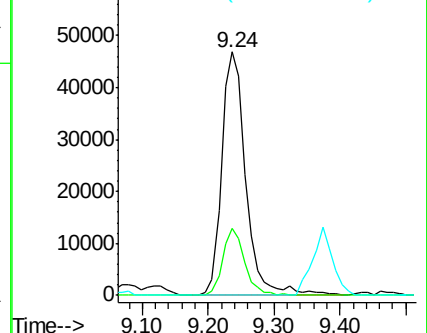
87 0.0 0.3 0.5#



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: 19.730 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062720.D

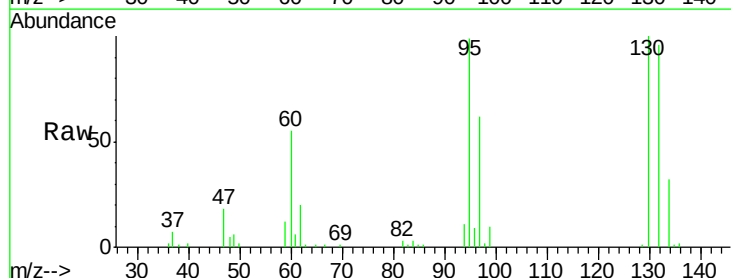
Acq: 17 Jun 2019 12:18

Tgt Ion:130 Resp: 170568

Ion Ratio Lower Upper

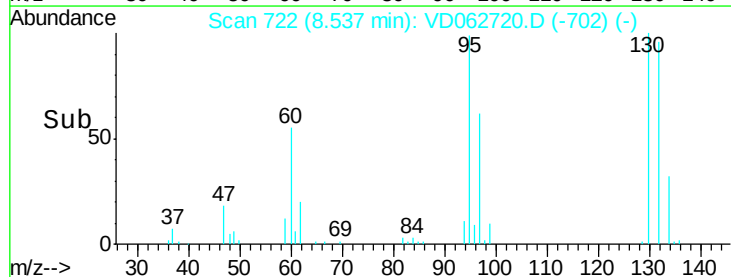
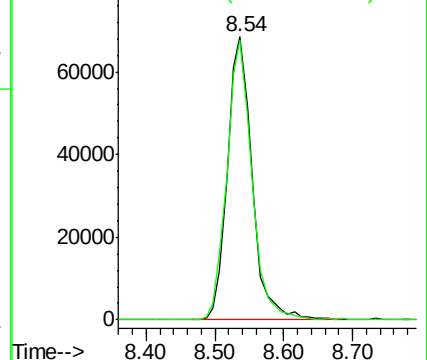
130 100

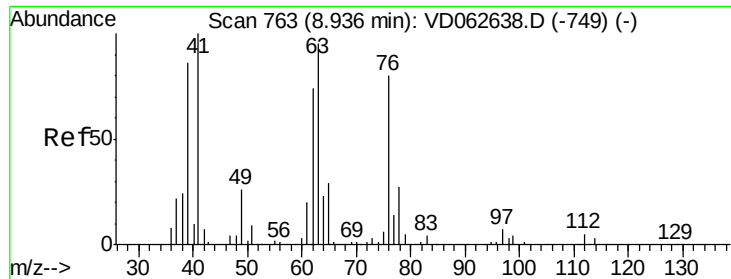
95 98.8 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.702 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

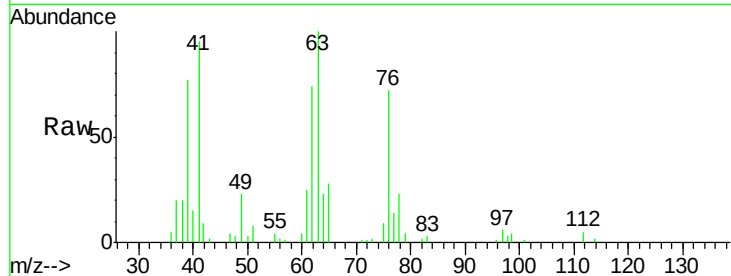
VD0617SBS01

Tot Ion: 63 Resp: 105887

Ion Ratio Lower Upper

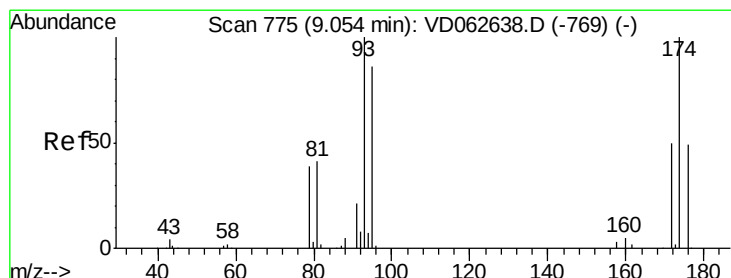
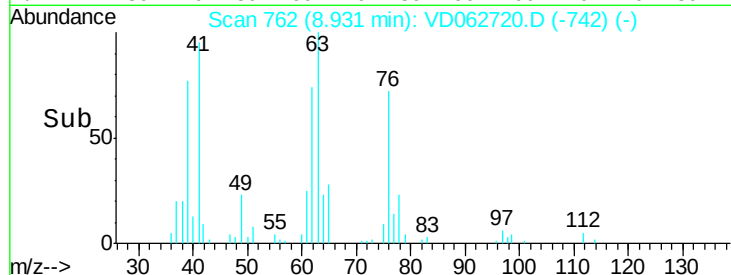
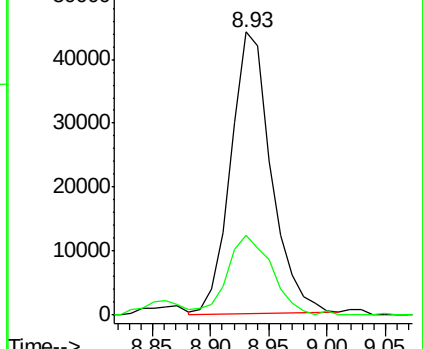
63 100

65 28.1 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.064 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

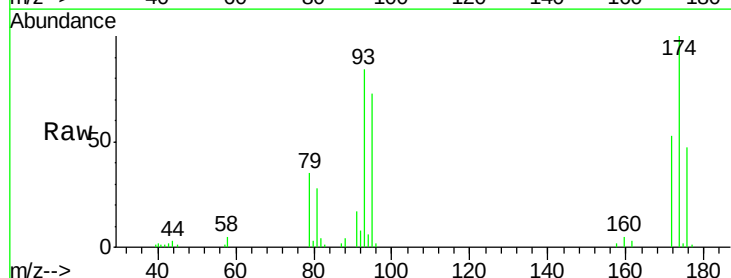
Tgt Ion: 93 Resp: 95635

Ion Ratio Lower Upper

93 100

95 87.2 68.7 103.1

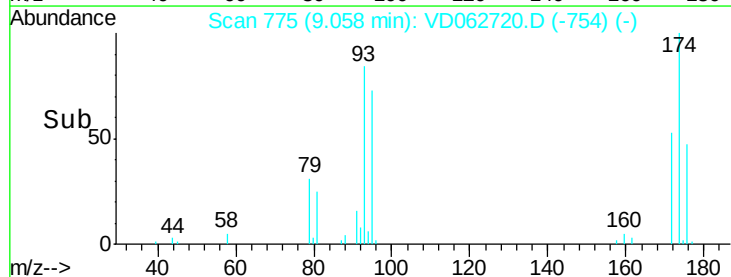
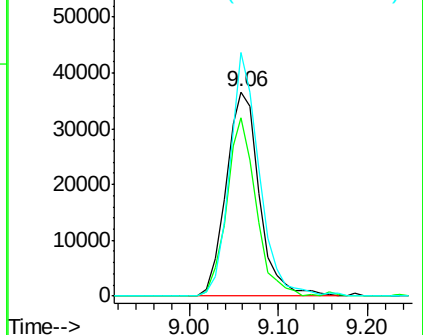
174 119.3 79.8 119.8

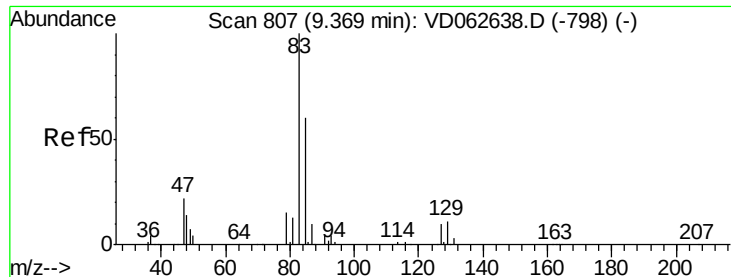


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.299 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

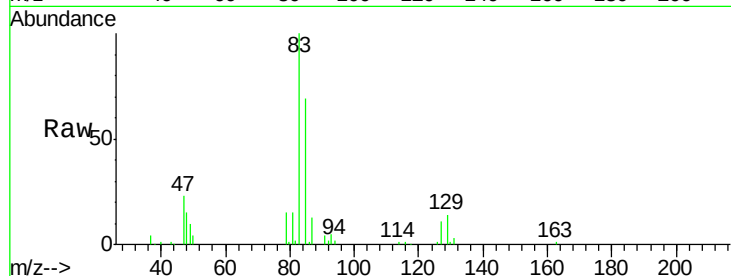
Tot Ion: 83 Resp: 250704

Ion Ratio Lower Upper

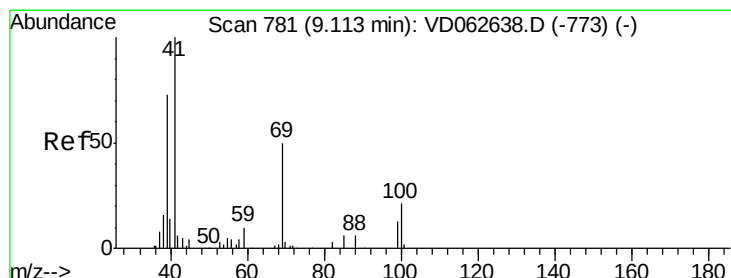
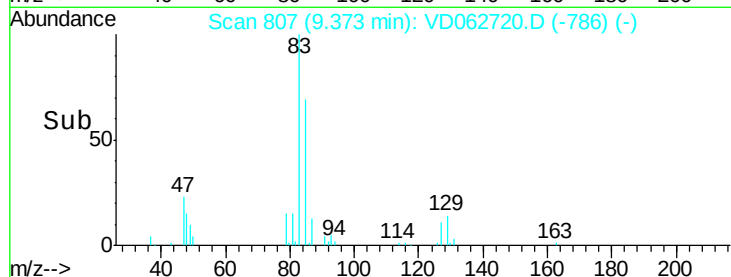
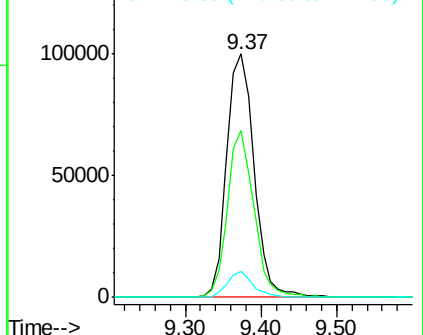
83 100

85 68.6 47.9 71.9

127 10.7 8.2 12.4



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



#48

Methyl methacrylate

Concen: 18.166 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

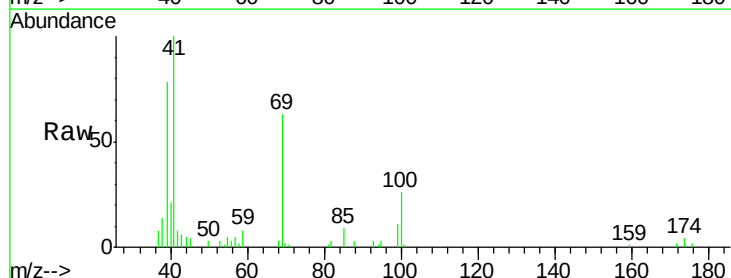
Tgt Ion: 41 Resp: 75508

Ion Ratio Lower Upper

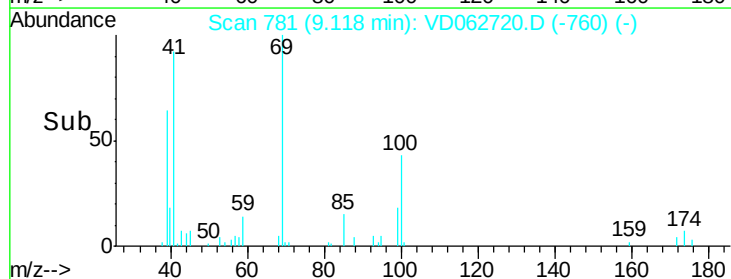
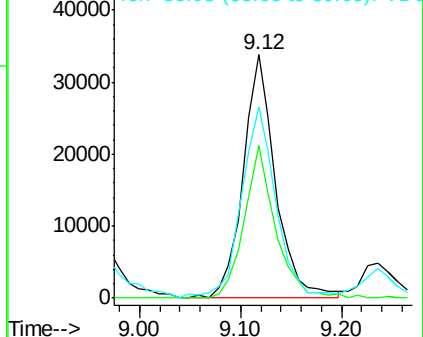
41 100

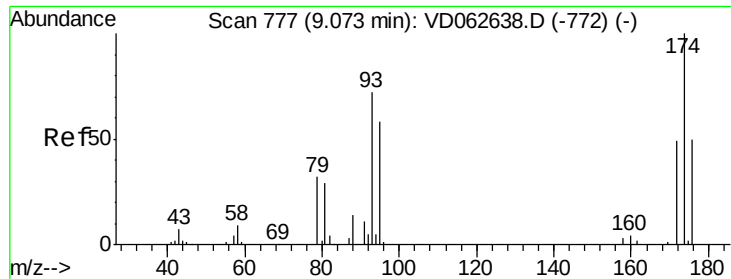
69 62.8 39.8 59.6#

39 78.4 59.1 88.7



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

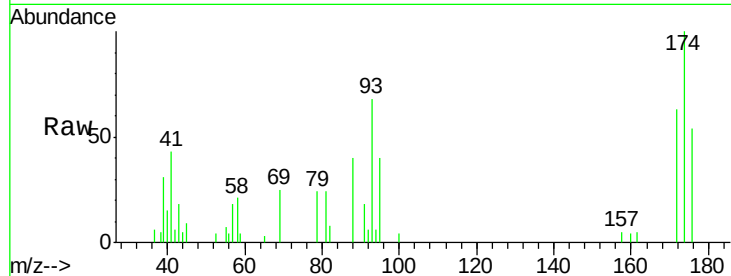




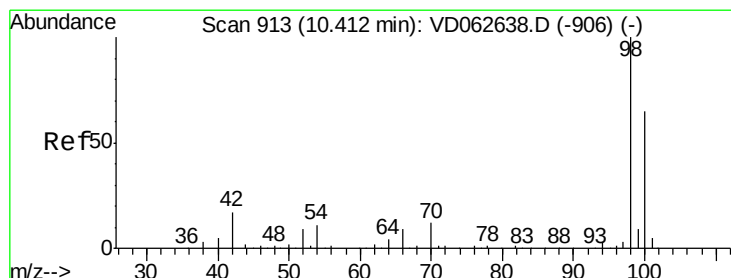
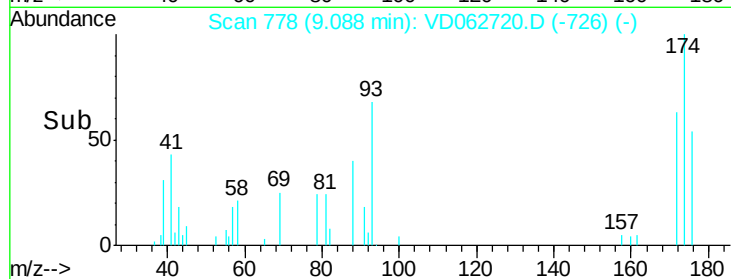
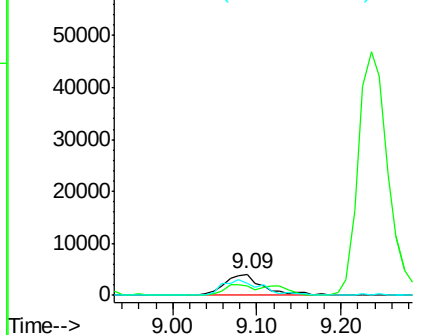
#49
1,4-Dioxane
Concen: 377.846 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

Tot Ion: 88 Resp: 12897
Ion Ratio Lower Upper
88 100
43 46.0 40.7 61.1
58 53.3 54.2 81.4#

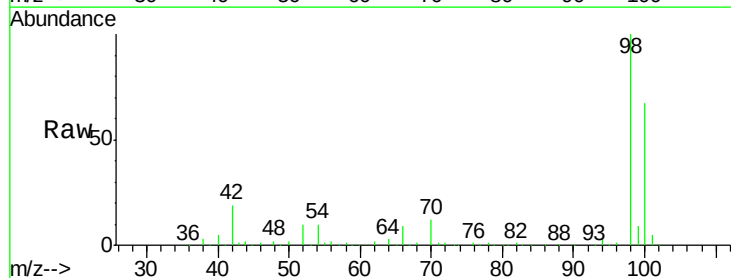


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

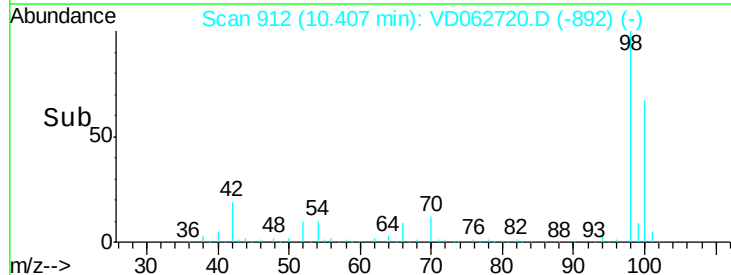
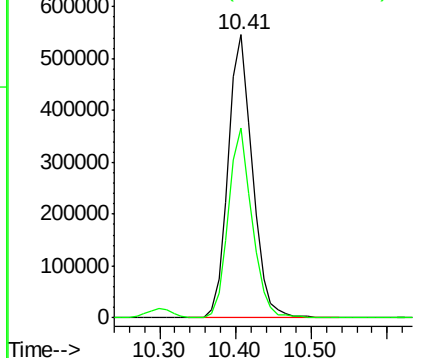


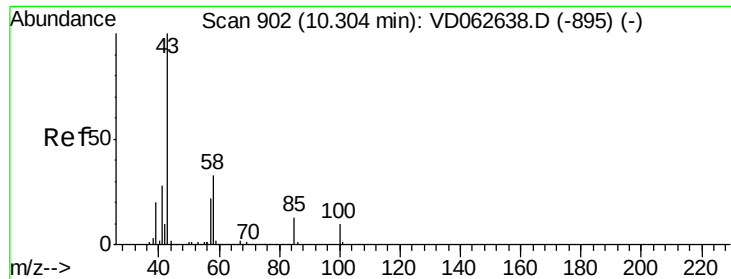
#50
Toluene-d8
Concen: 57.016 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion: 98 Resp: 1205153
Ion Ratio Lower Upper
98 100
100 67.3 52.1 78.1



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

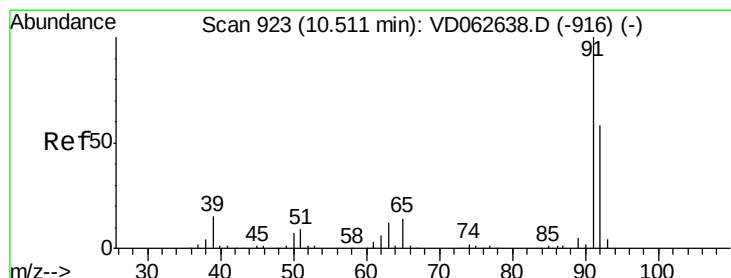
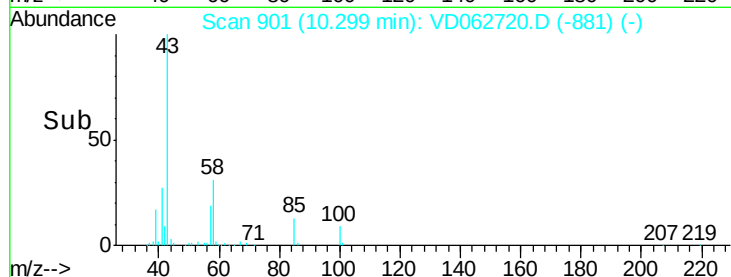
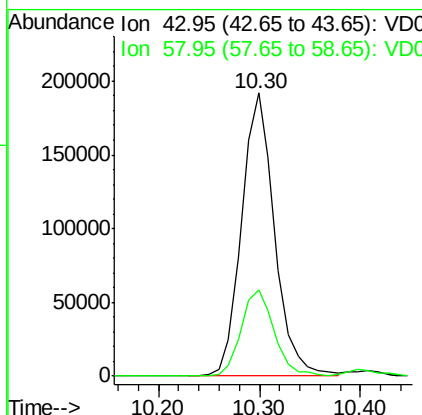
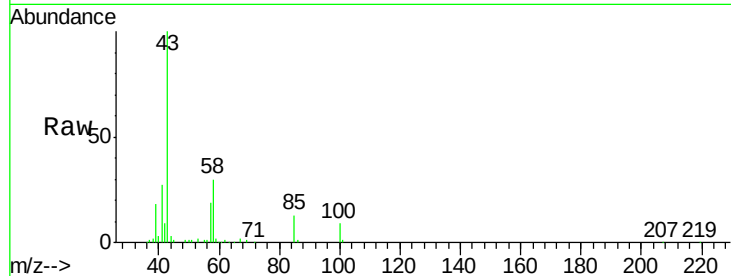




#51
4-Methyl-2-Pentanone
Concen: 108.481 ug/l
RT: 10.30 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

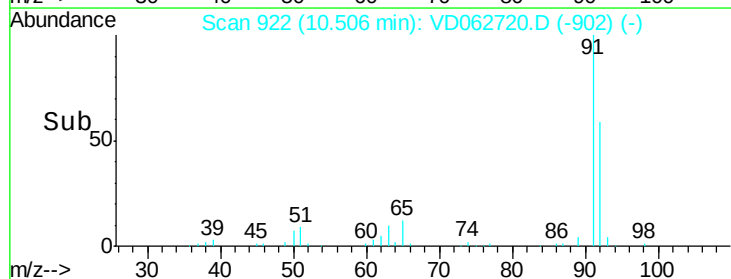
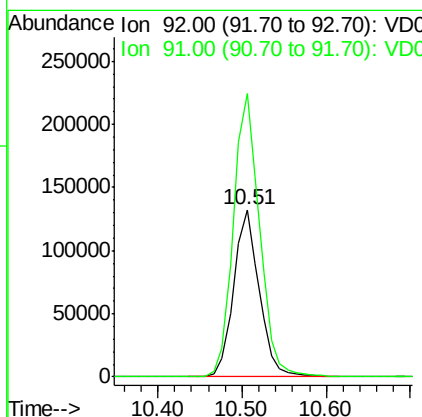
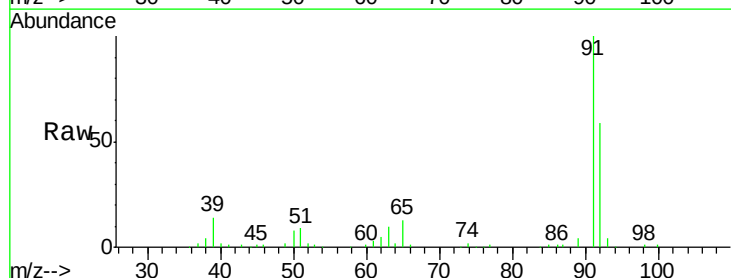
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

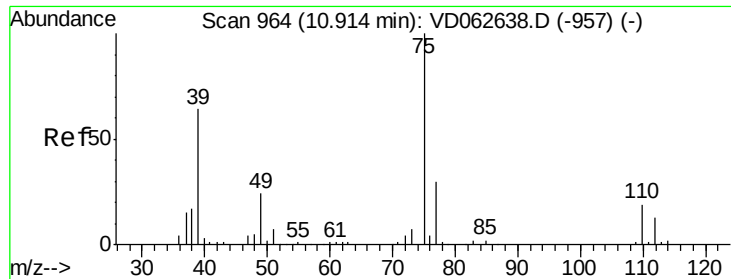
Tot Ion: 43 Resp: 436722
Ion Ratio Lower Upper
43 100
58 30.5 26.1 39.1



#52
Toluene
Concen: 19.603 ug/l
RT: 10.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion: 92 Resp: 280599
Ion Ratio Lower Upper
92 100
91 169.3 137.0 205.6

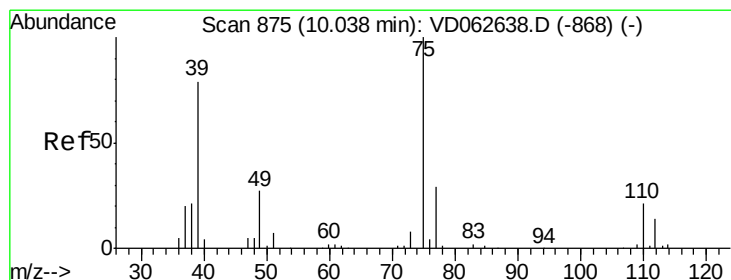
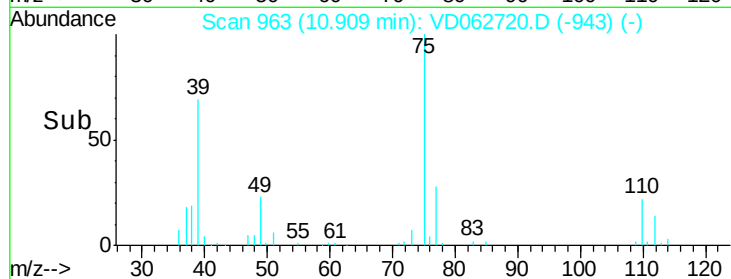
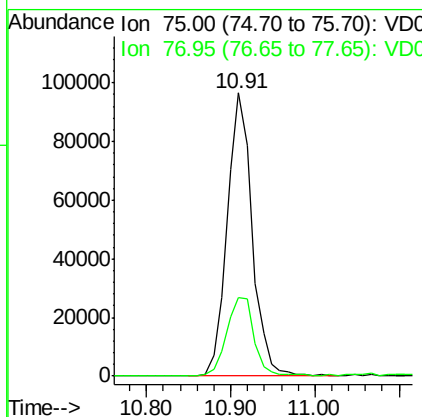
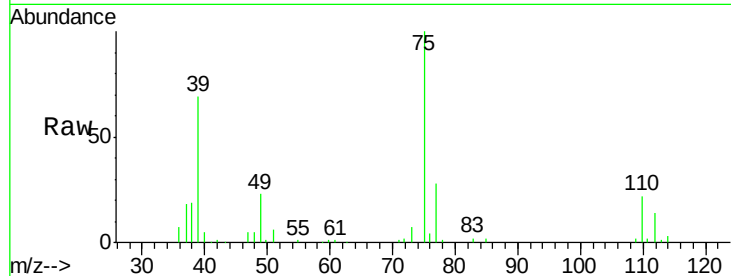




#53
 t-1,3-Dichloropropene
 Concen: 19.660 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

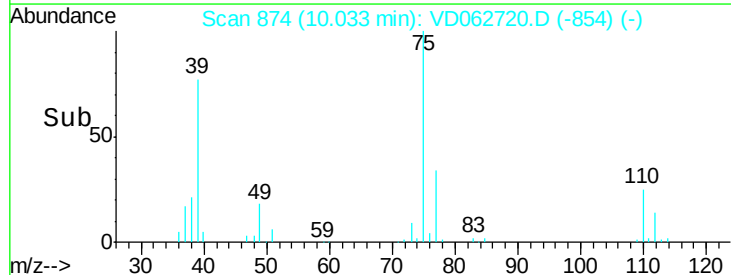
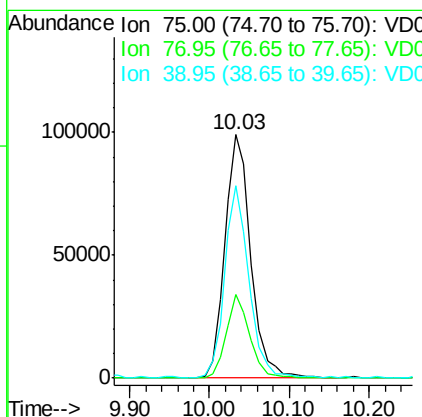
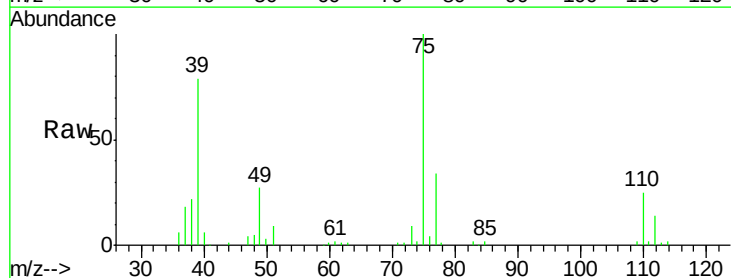
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

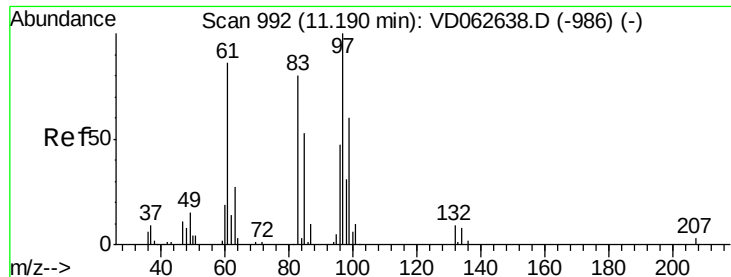
Tot Ion: 75 Resp: 199081
 Ion Ratio Lower Upper
 75 100
 77 27.9 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 21.626 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Tgt Ion: 75 Resp: 226332
 Ion Ratio Lower Upper
 75 100
 77 34.5 23.1 34.7
 39 79.1 63.4 95.2

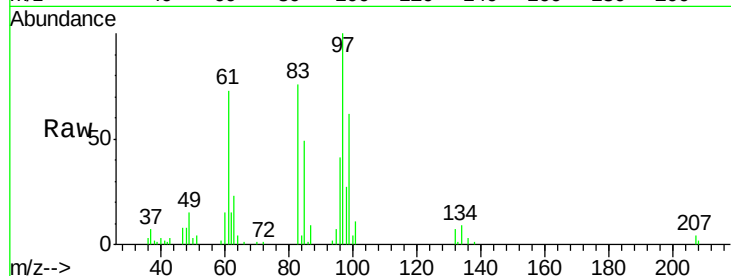




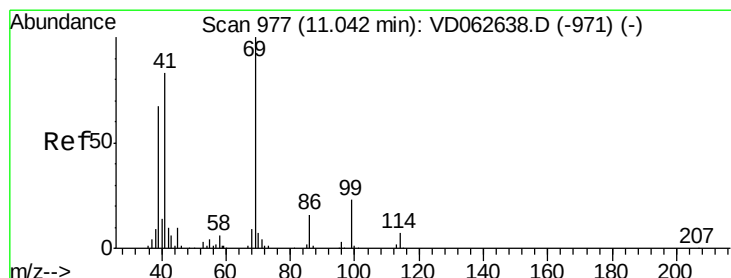
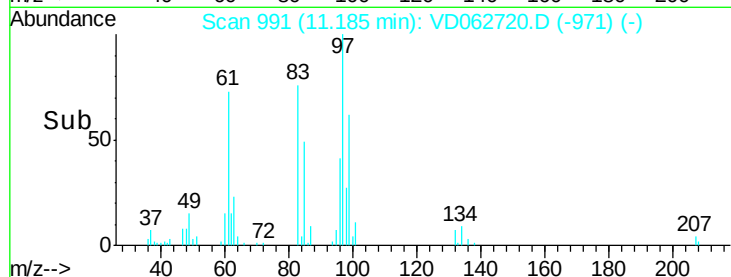
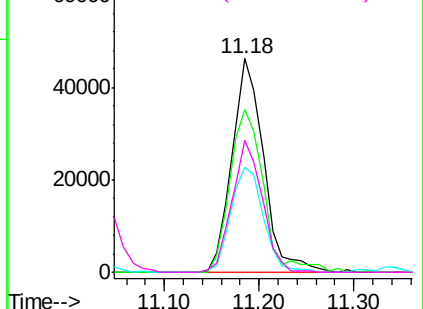
#55
 1,1,2-Trichloroethane
 Concen: 21.836 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

Tot Ion:	97	Resp:	107187
Ion	Ratio	Lower	Upper
97	100		
83	76.0	63.8	95.8
85	49.0	42.3	63.5
99	62.0	48.0	72.0

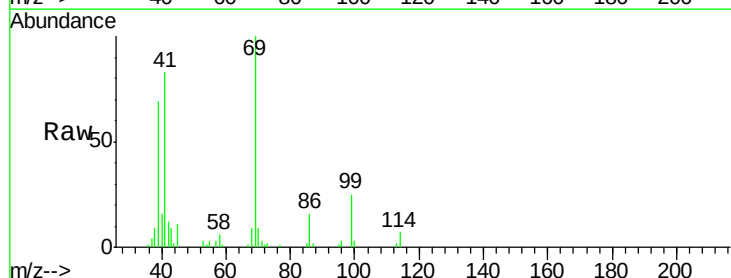


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

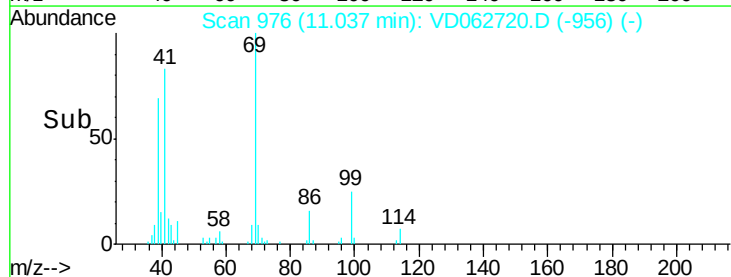
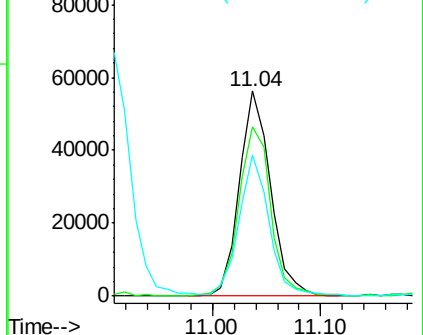


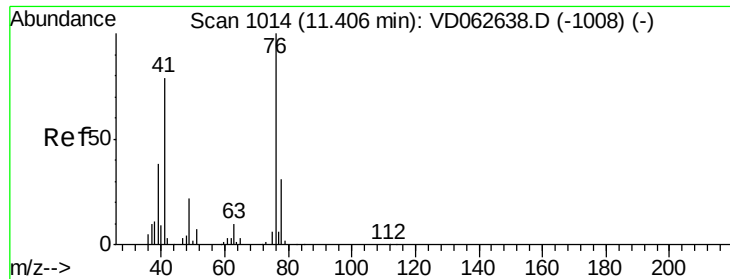
#56
 Ethyl methacrylate
 Concen: 21.446 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Tgt Ion:	69	Resp:	112402
Ion	Ratio	Lower	Upper
69	100		
41	82.6	66.2	99.4
39	68.6	53.8	80.8



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: 20.742 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

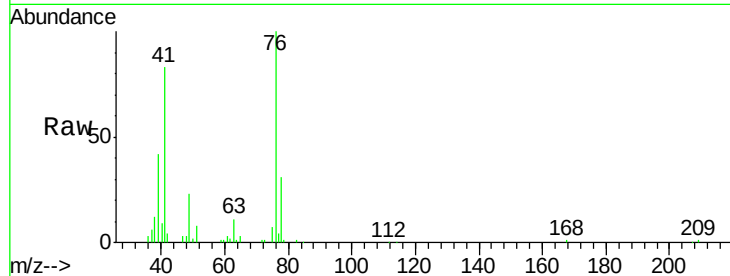
VD0617SBS01

Tot Ion: 76 Resp: 157810

Ion Ratio Lower Upper

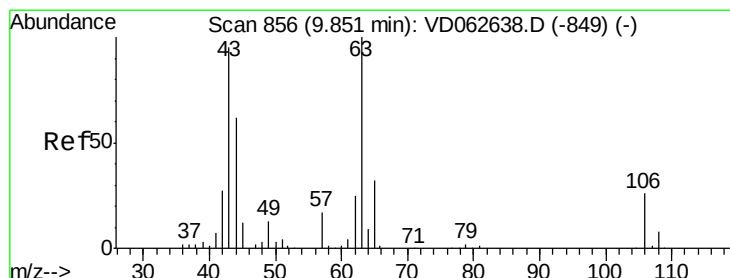
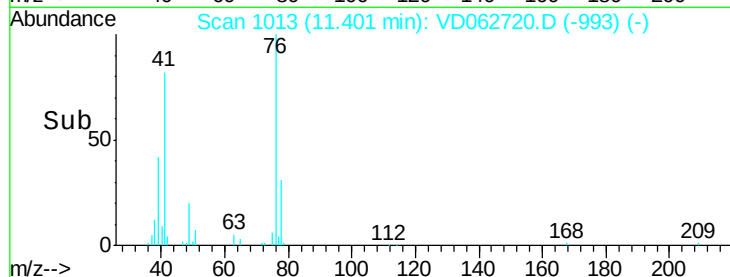
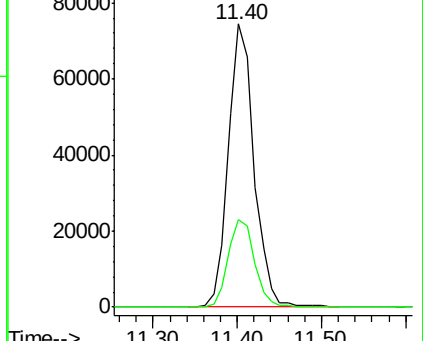
76 100

78 30.9 24.9 37.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 123.771 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD062720.D

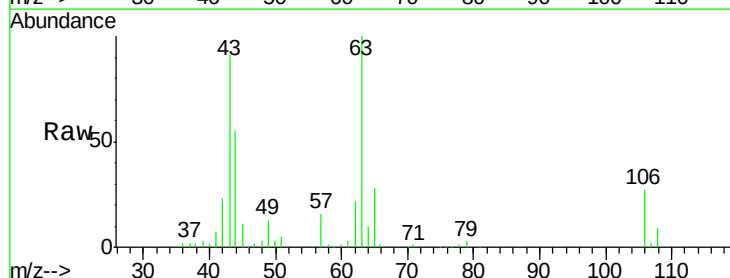
Acq: 17 Jun 2019 12:18

Tgt Ion: 63 Resp: 324731

Ion Ratio Lower Upper

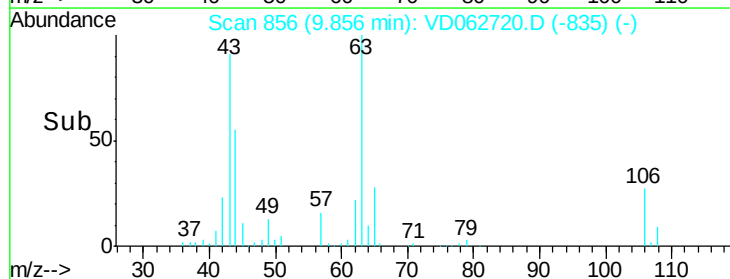
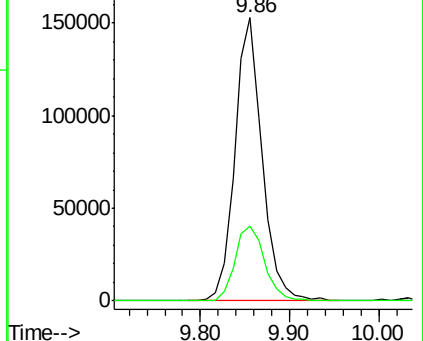
63 100

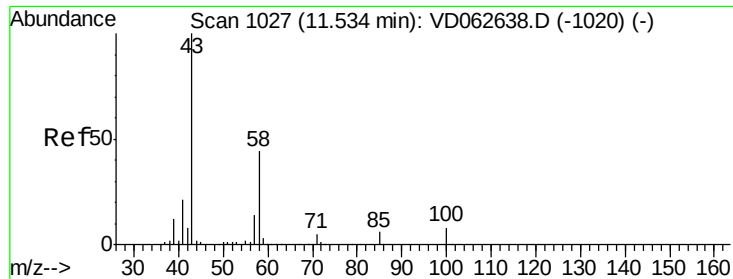
106 26.6 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

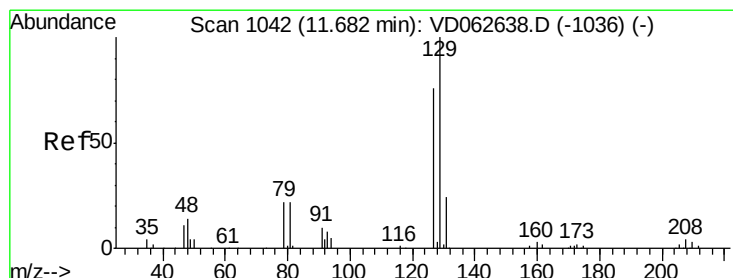
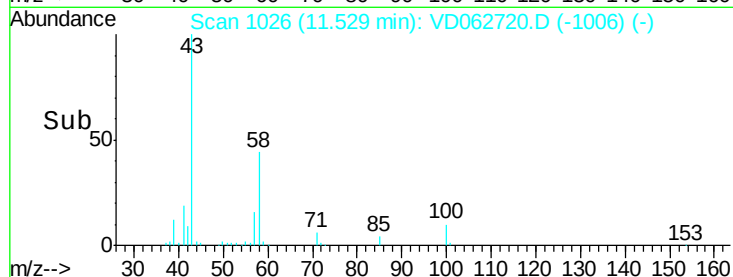
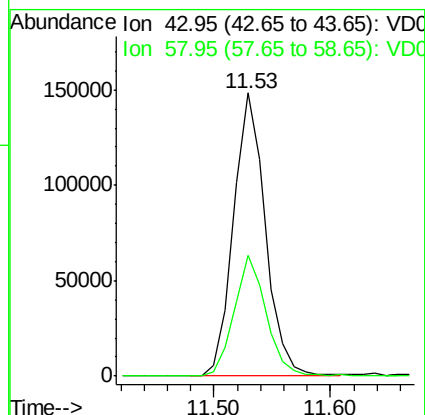
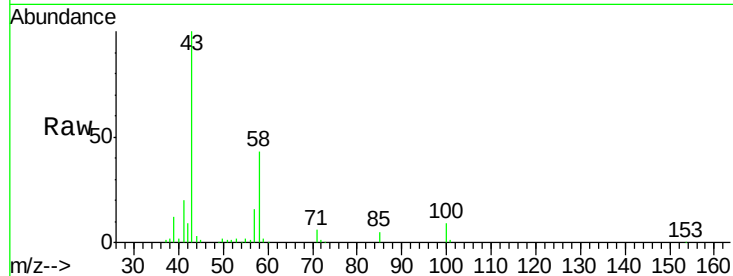




#59
2-Hexanone
Concen: 93.891 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

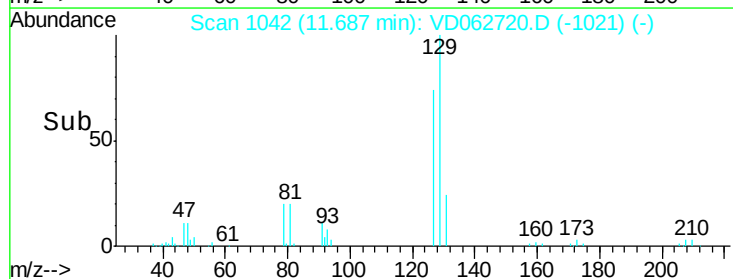
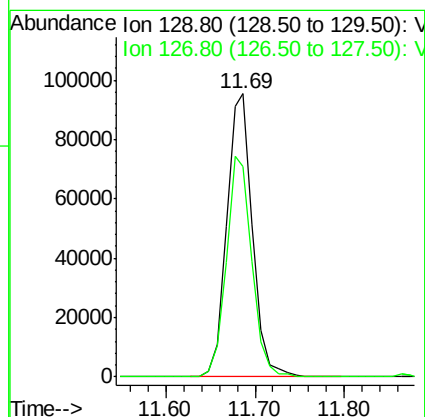
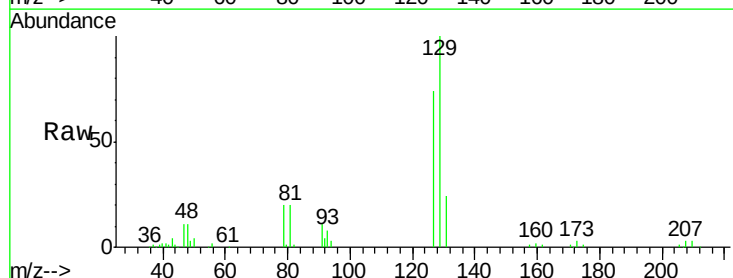
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

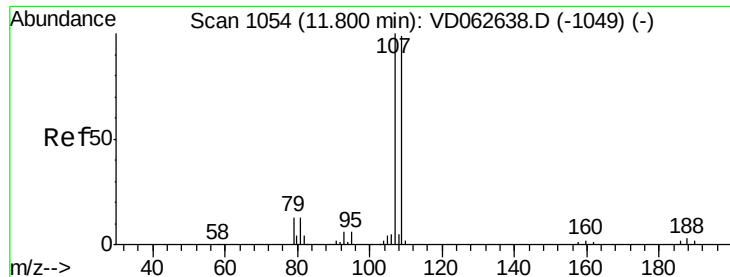
Tot Ion: 43 Resp: 281169
Ion Ratio Lower Upper
43 100
58 42.9 21.8 65.4



#60
Dibromochloromethane
Concen: 19.940 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion: 129 Resp: 193224
Ion Ratio Lower Upper
129 100
127 74.4 38.0 114.1

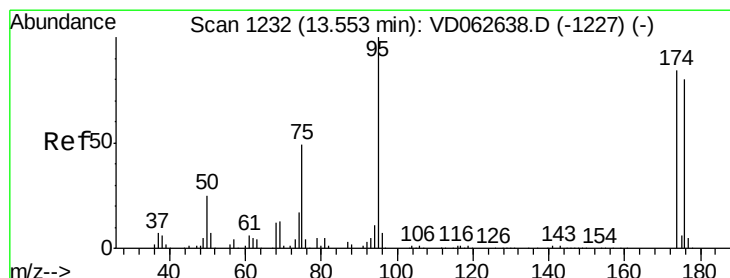
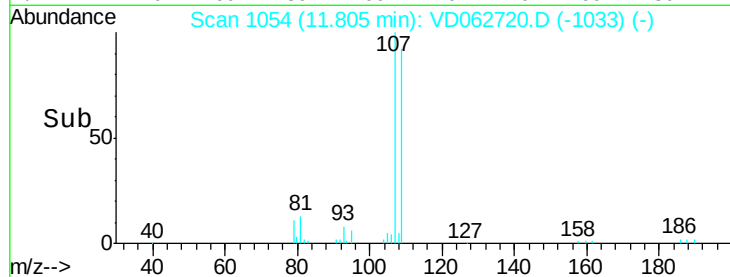
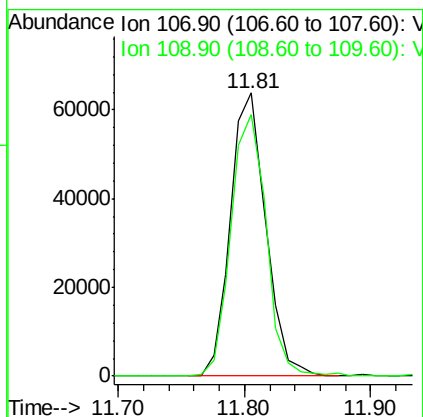
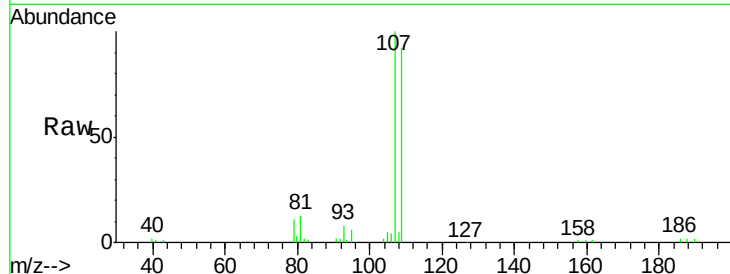




#61
 1,2-Dibromoethane
 Concen: 21.008 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

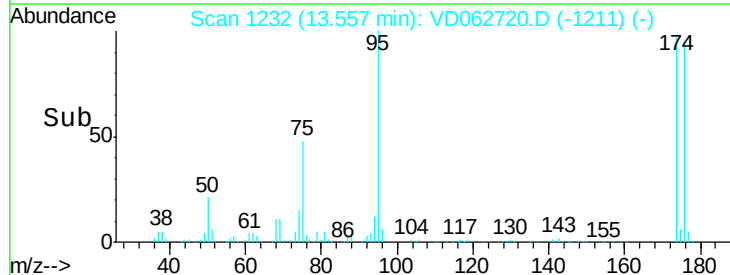
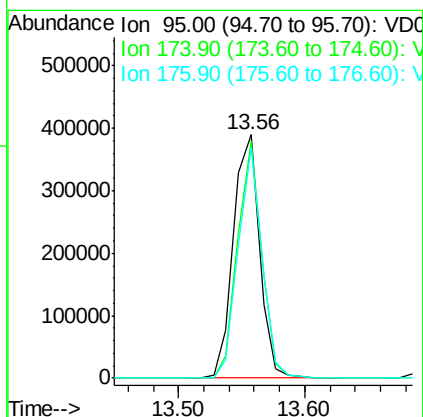
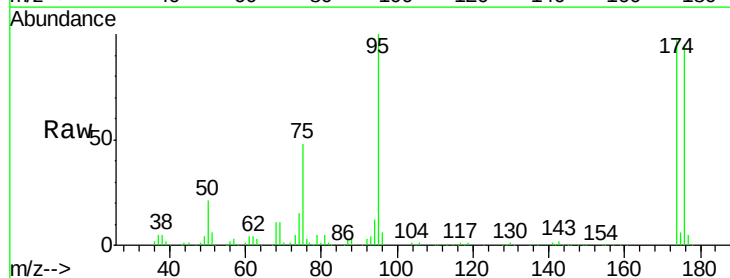
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

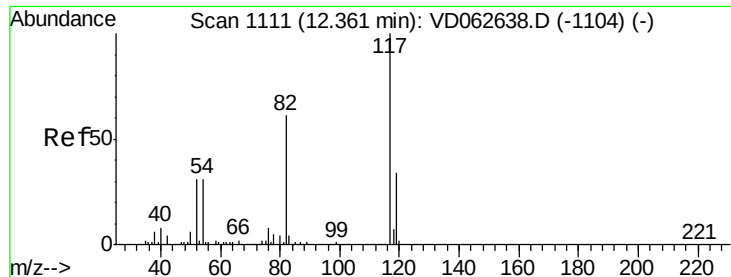
Tot Ion:107 Resp: 123420
 Ion Ratio Lower Upper
 107 100
 109 92.2 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 56.386 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Tgt Ion: 95 Resp: 556035
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 167.0
 176 94.9 0.0 159.2

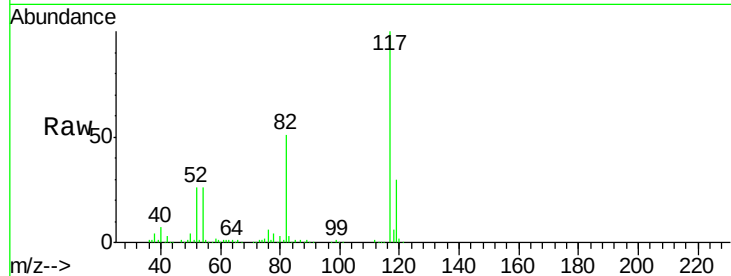




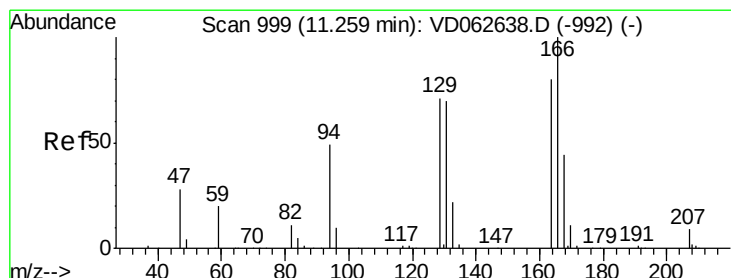
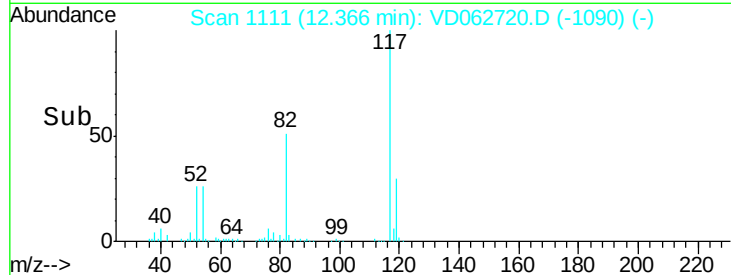
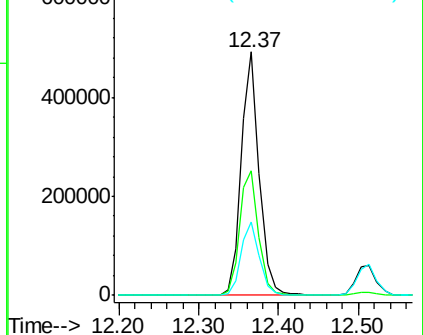
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

Tot Ion:117 Resp: 767001
Ion Ratio Lower Upper
117 100
82 51.4 48.7 73.1
119 29.9 27.0 40.6

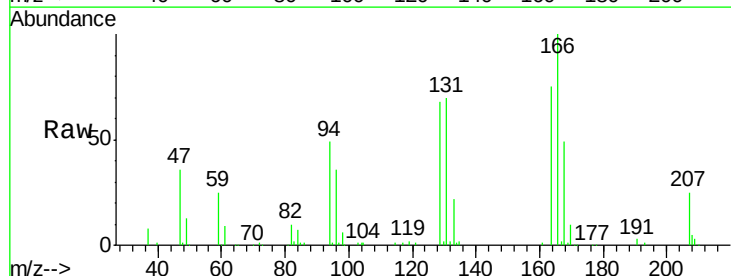


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

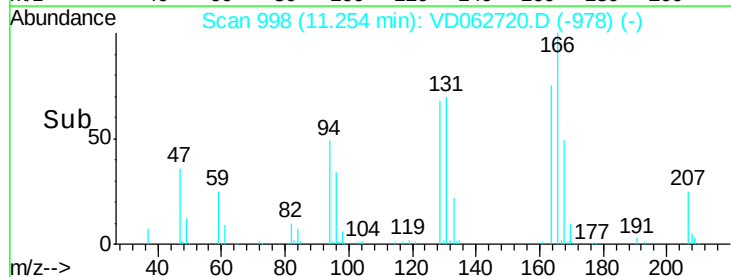
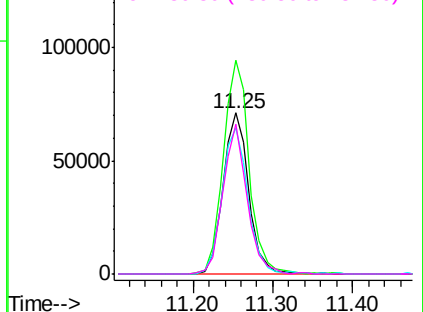


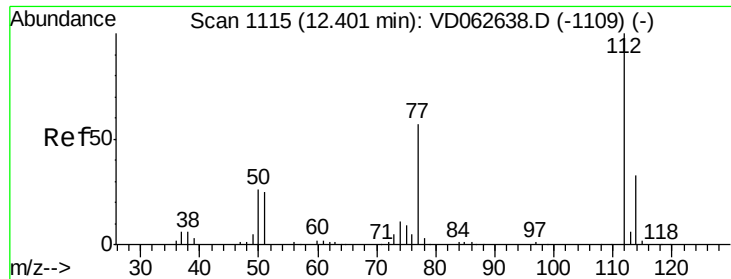
#64
Tetrachloroethene
Concen: 22.273 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion:164 Resp: 159919
Ion Ratio Lower Upper
164 100
166 132.9 99.4 149.2
129 90.6 70.2 105.4
131 93.5 69.3 103.9



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

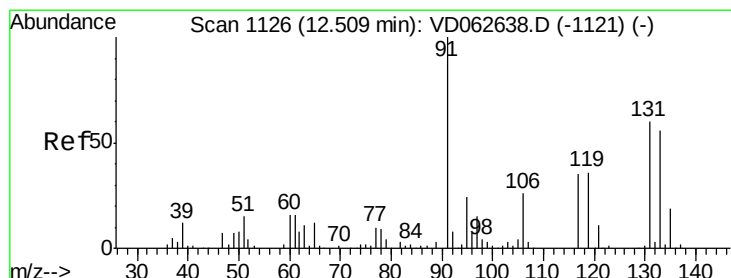
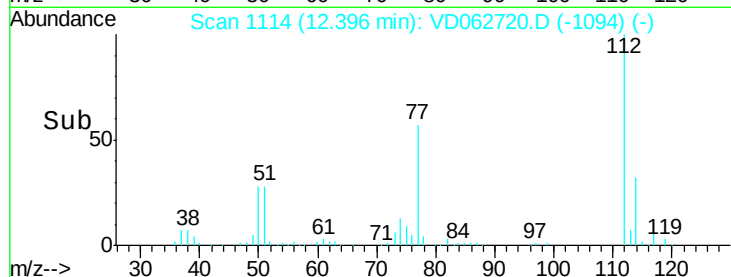
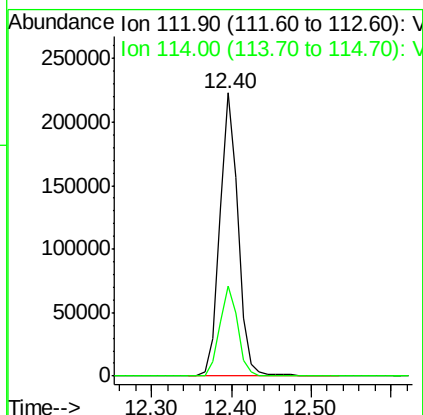
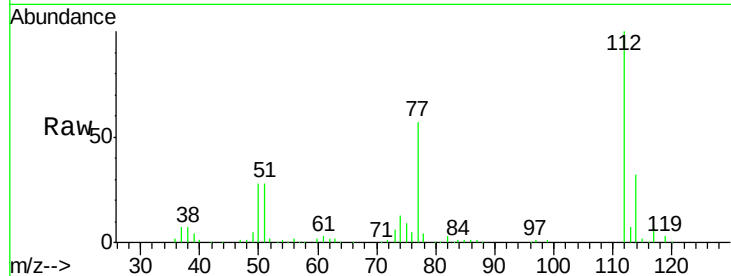




#65
Chlorobenzene
Concen: 21.246 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

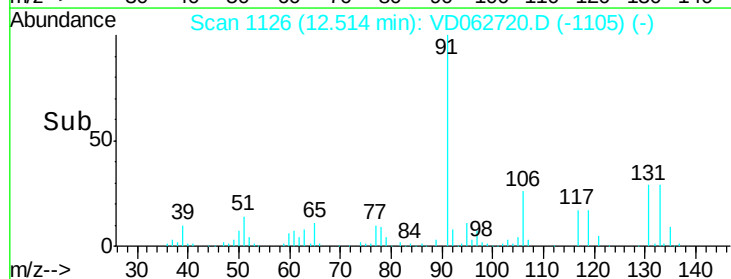
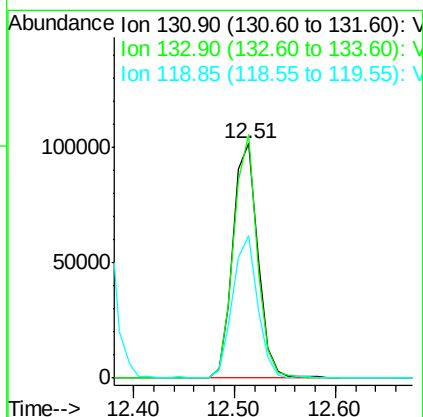
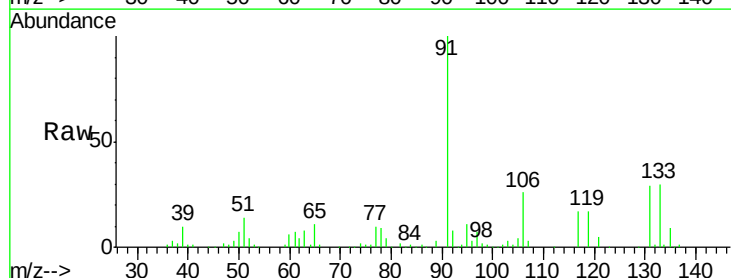
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

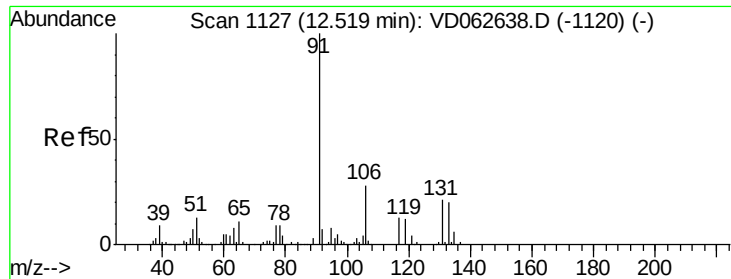
Tot Ion:112 Resp: 360446
Ion Ratio Lower Upper
112 100
114 31.7 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 21.568 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion:131 Resp: 174520
Ion Ratio Lower Upper
131 100
133 103.8 46.8 140.3
119 61.0 29.9 89.8

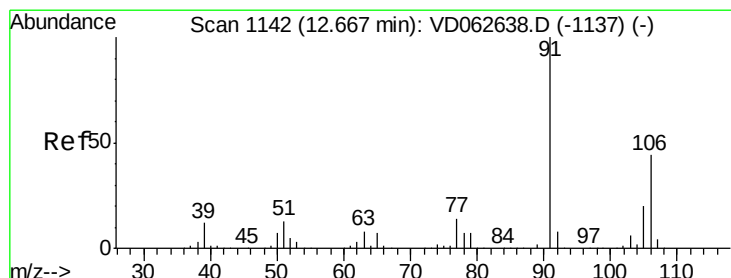
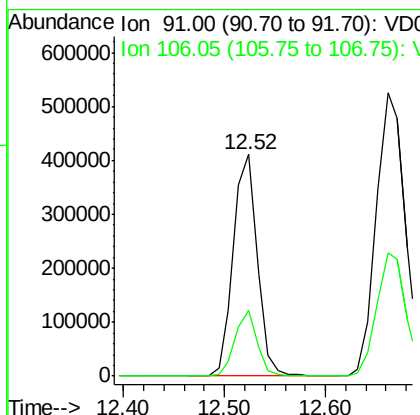
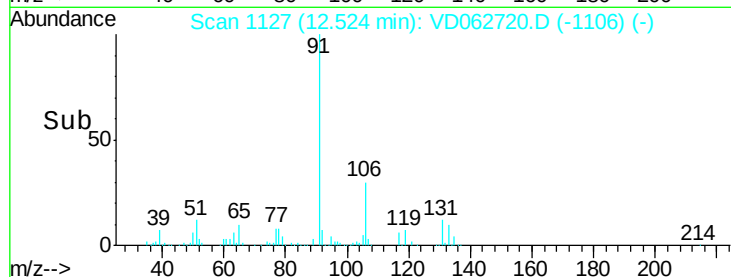
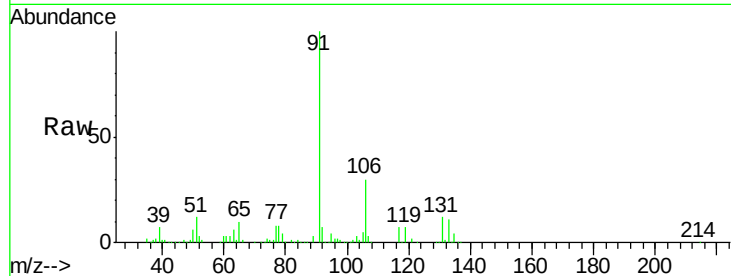




#67
Ethyl Benzene
Concen: 22.546 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

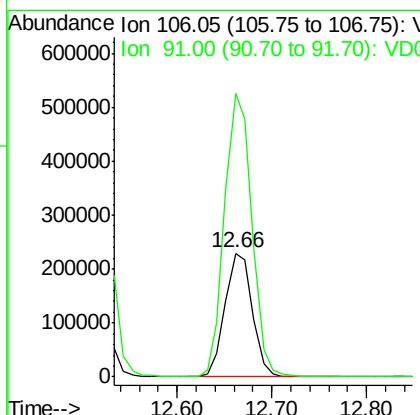
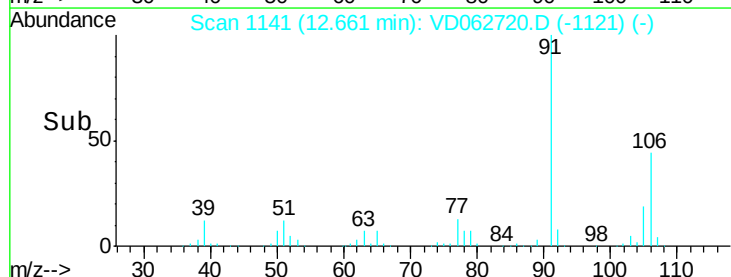
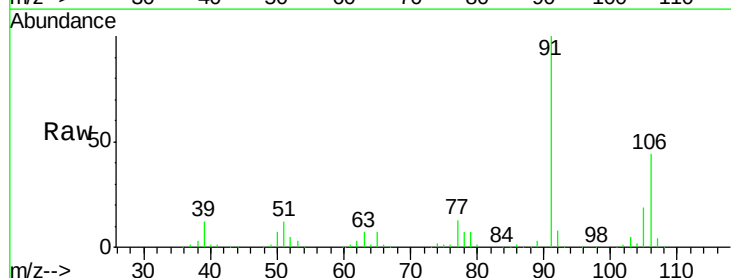
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

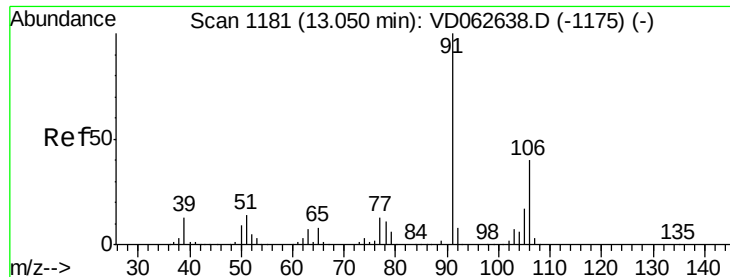
Tot Ion: 91 Resp: 678205
Ion Ratio Lower Upper
91 100
106 29.5 22.1 33.1



#68
m/p-Xylenes
Concen: 43.422 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion: 106 Resp: 459186
Ion Ratio Lower Upper
106 100
91 228.9 180.2 270.4

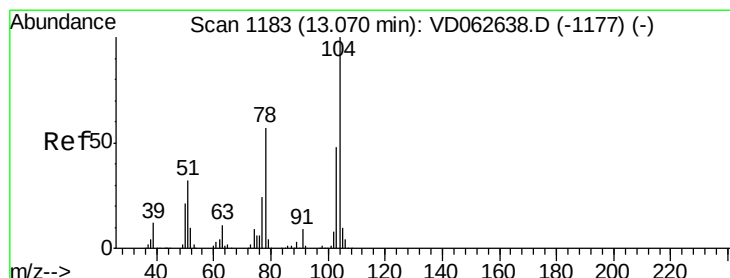
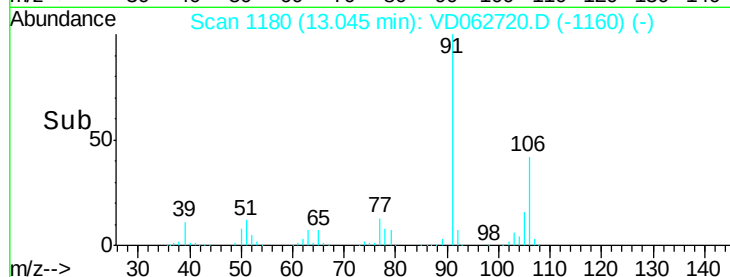
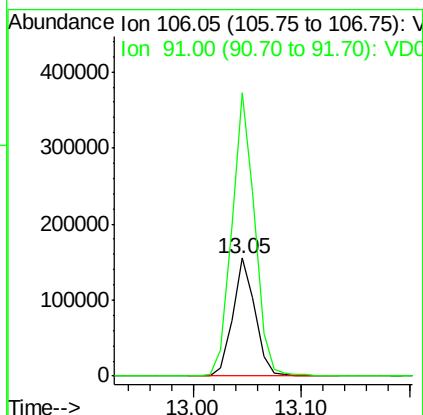
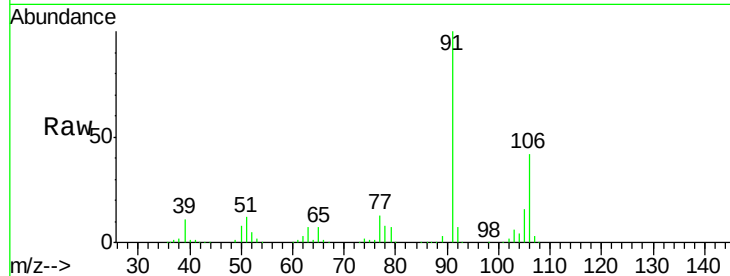




#69
o-Xylene
Concen: 22.891 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

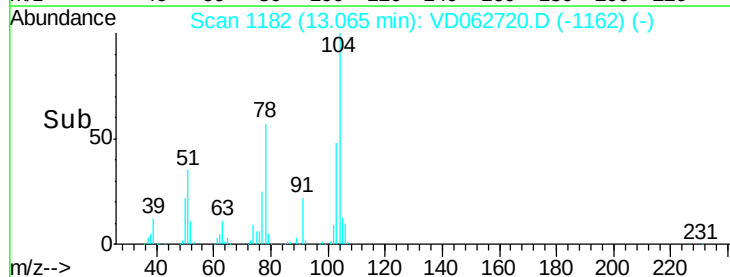
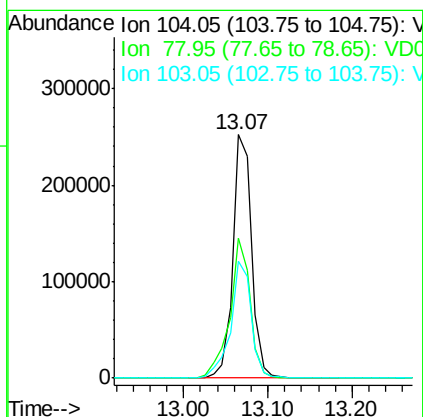
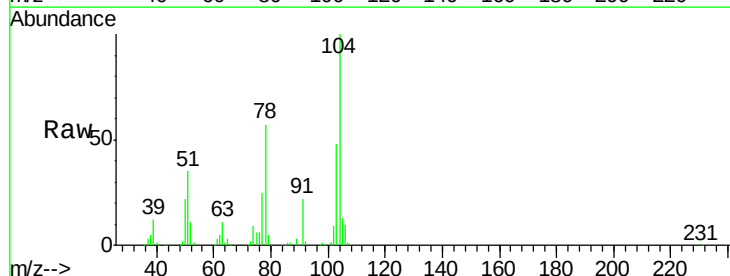
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

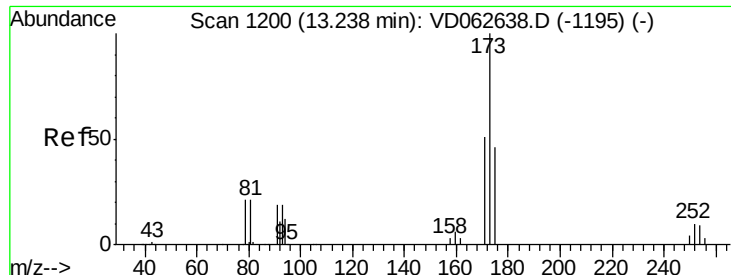
Tot Ion:106 Resp: 222316
Ion Ratio Lower Upper
106 100
91 240.2 124.1 372.1



#70
Styrene
Concen: 22.451 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion:104 Resp: 389058
Ion Ratio Lower Upper
104 100
78 57.3 45.9 68.9
103 47.9 38.4 57.6





#71

Bromoform

Concen: 21.532 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

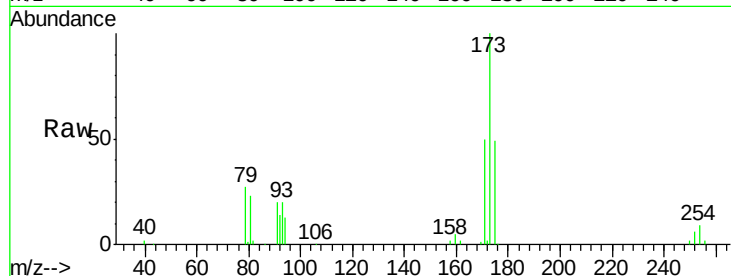
Tot Ion:173 Resp: 123047

Ion Ratio Lower Upper

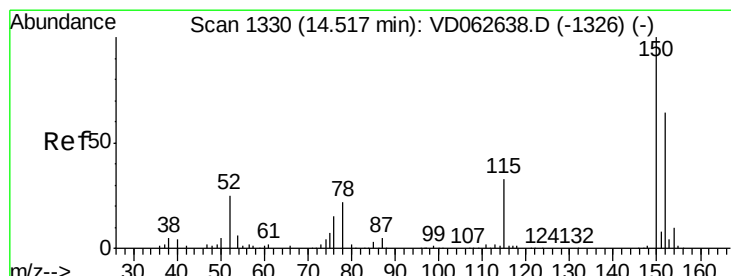
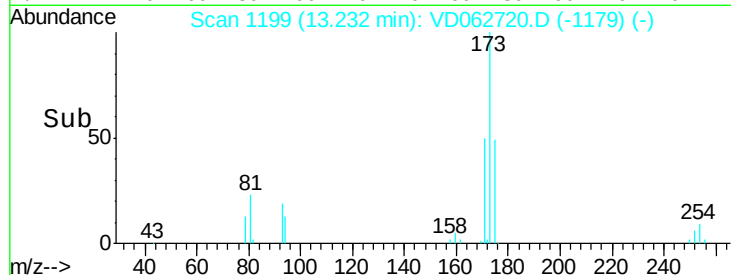
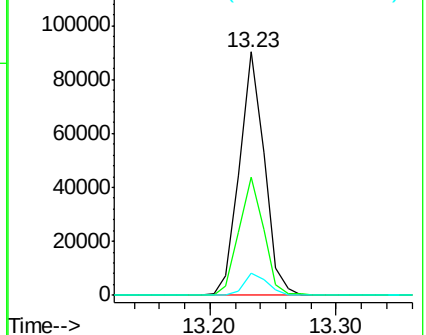
173 100

175 48.7 22.9 68.7

254 8.9 7.0 10.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

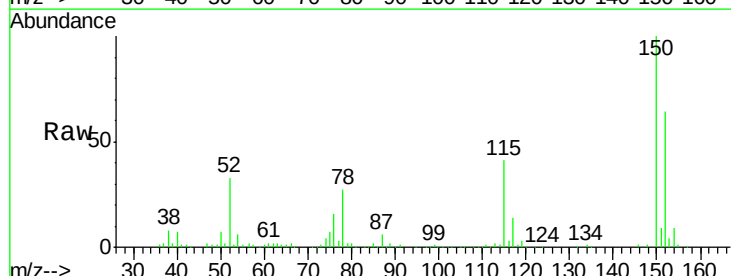
Tgt Ion:152 Resp: 433464

Ion Ratio Lower Upper

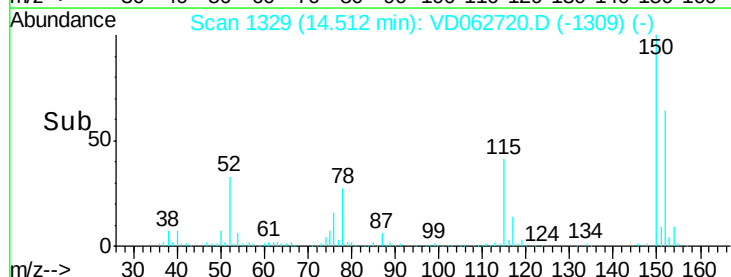
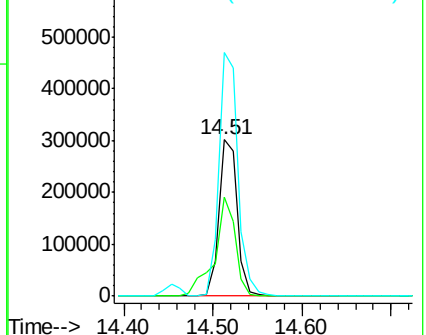
152 100

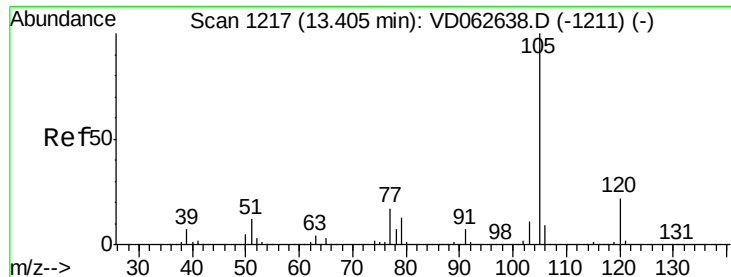
115 63.8 30.1 90.5

150 156.0 0.0 314.0



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: 22.461 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

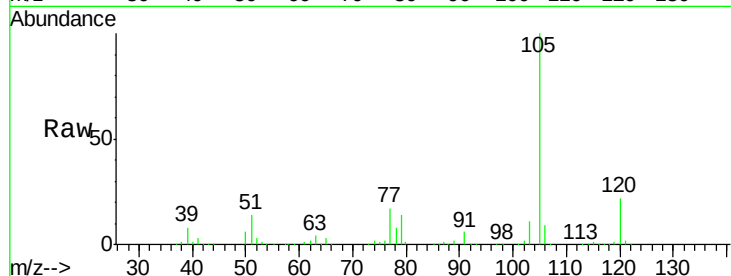
VD0617SBS01

Tot Ion:105 Resp: 686235

Ion Ratio Lower Upper

105 100

120 22.4 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

500000

400000

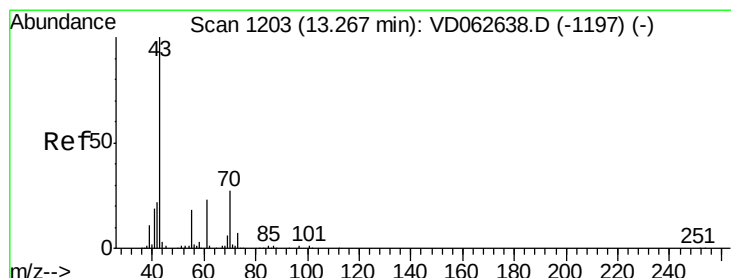
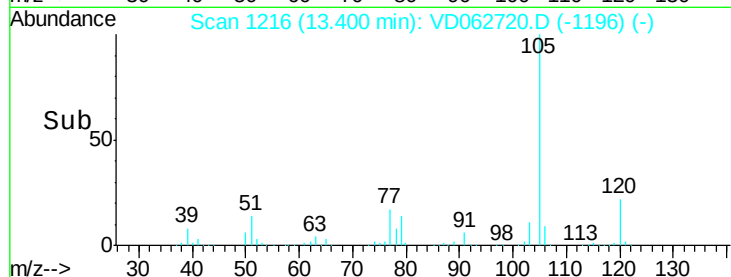
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.980 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Tgt Ion: 43 Resp: 173235

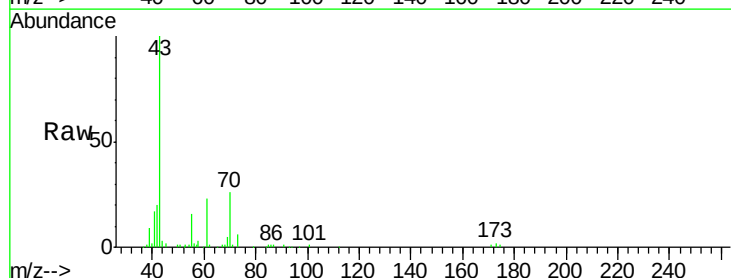
Ion Ratio Lower Upper

43 100

70 26.2 21.8 32.8

55 16.0 14.6 21.8

61 22.7 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

200000

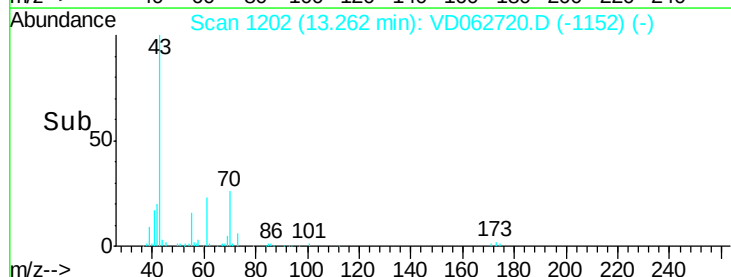
150000

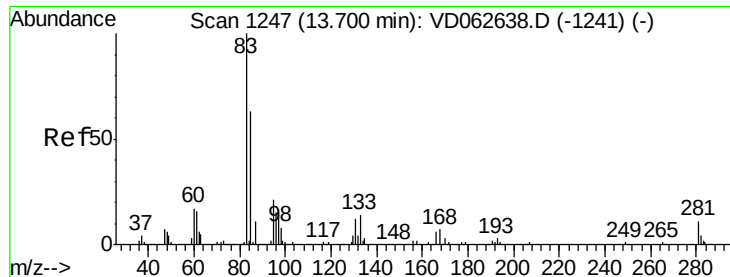
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.839 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

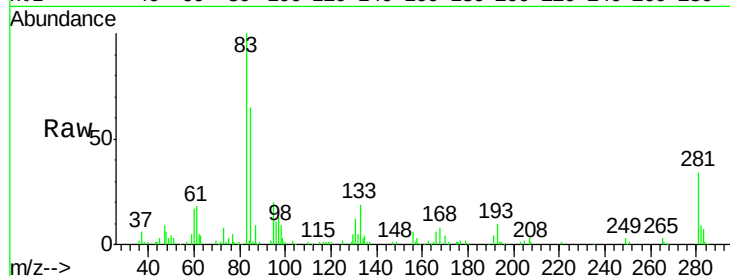
Tot Ion: 83 Resp: 114169

Ion Ratio Lower Upper

83 100

131 11.6 5.9 17.7

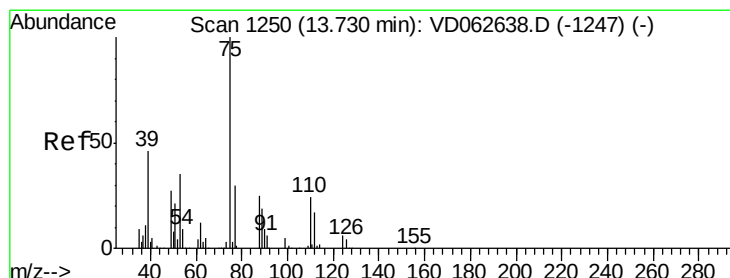
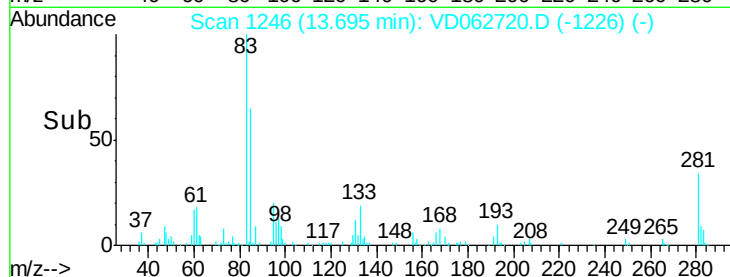
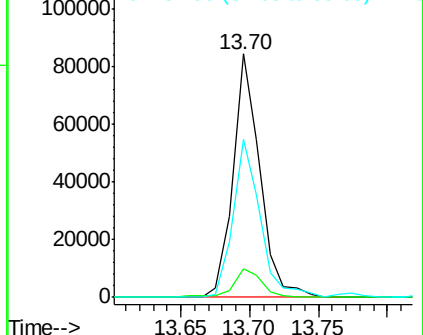
85 65.0 31.3 93.9



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: 22.455 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062720.D

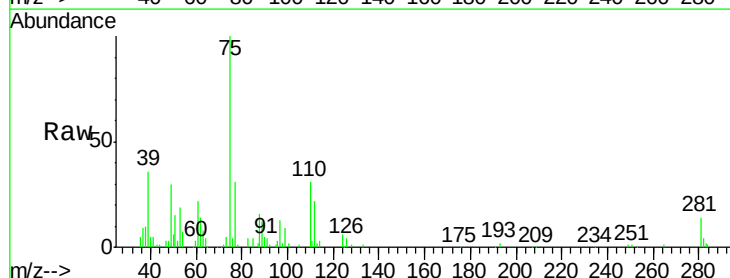
Acq: 17 Jun 2019 12:18

Tgt Ion: 75 Resp: 131974

Ion Ratio Lower Upper

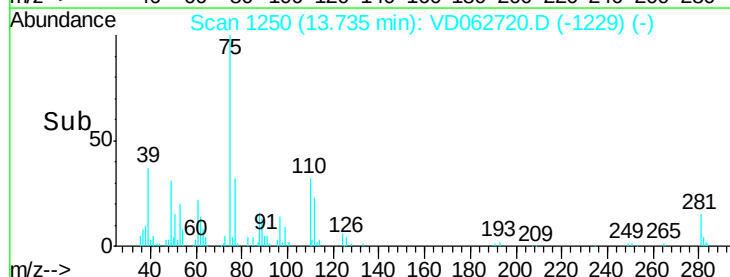
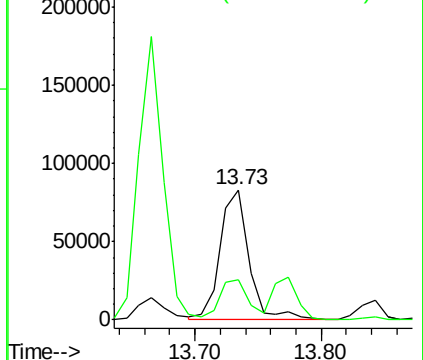
75 100

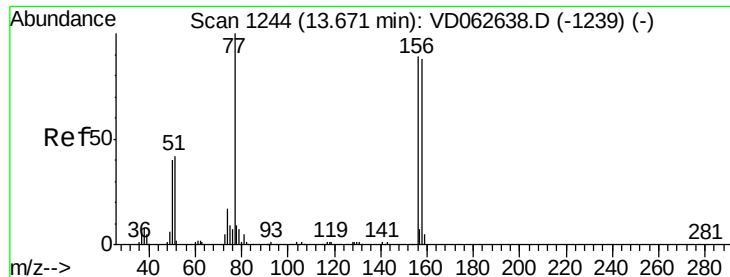
77 31.0 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.603 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

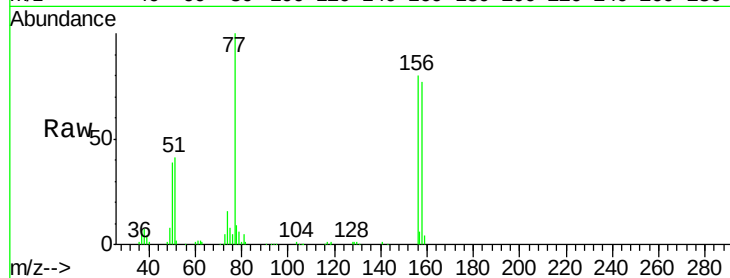
Tot Ion:156 Resp: 197384

Ion Ratio Lower Upper

156 100

77 124.6 56.3 168.8

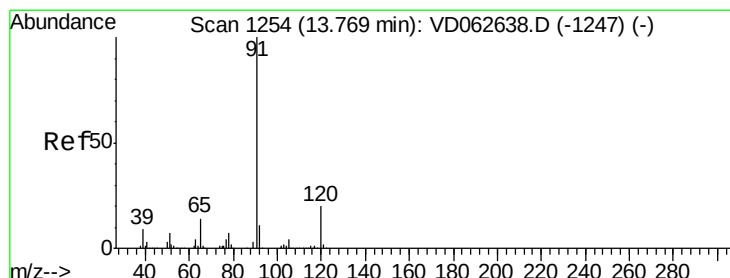
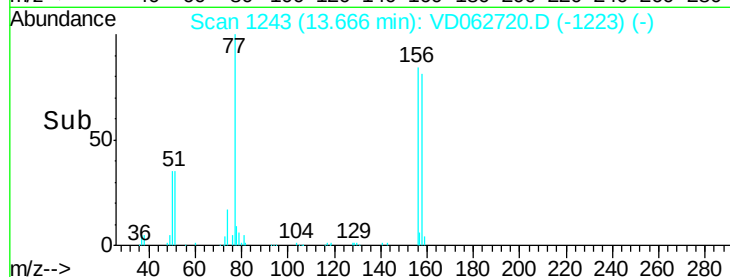
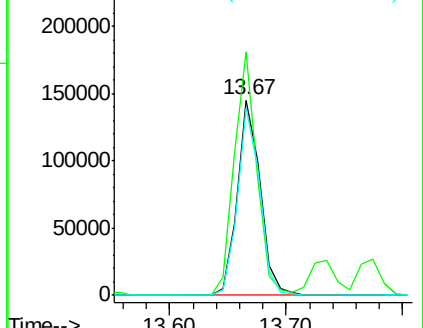
158 95.9 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.004 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062720.D

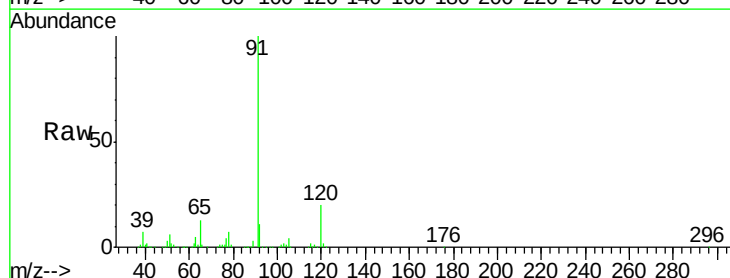
Acq: 17 Jun 2019 12:18

Tgt Ion: 91 Resp: 860298

Ion Ratio Lower Upper

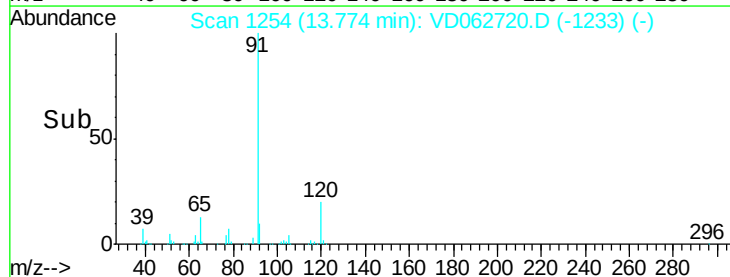
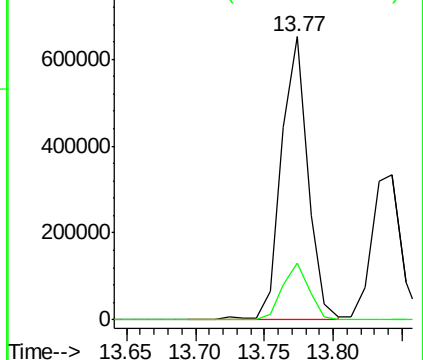
91 100

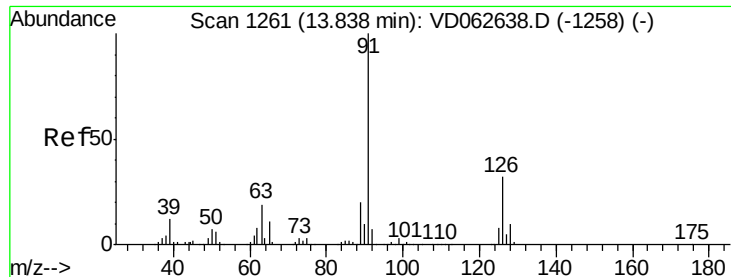
120 20.1 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.597 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

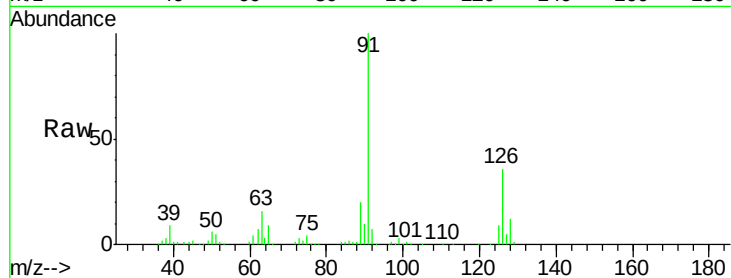
VD0617SBS01

Tot Ion: 91 Resp: 494813

Ion Ratio Lower Upper

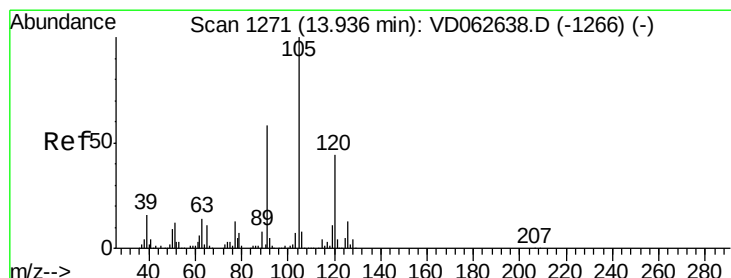
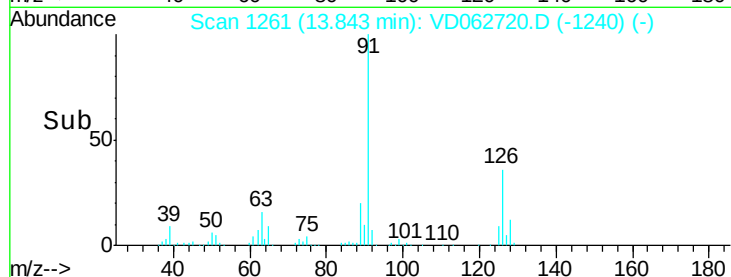
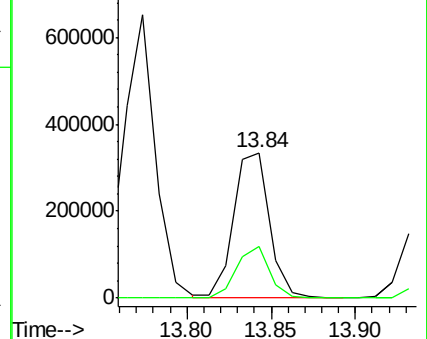
91 100

126 35.9 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062638.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.625 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062720.D

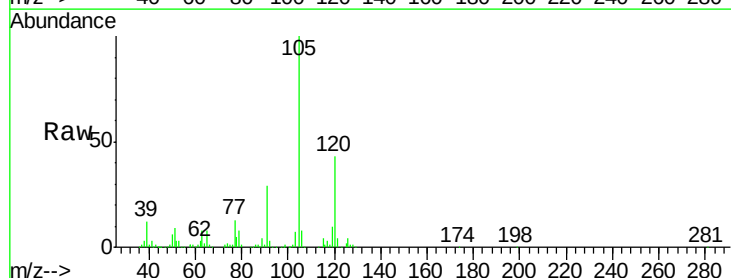
Acq: 17 Jun 2019 12:18

Tgt Ion: 105 Resp: 610918

Ion Ratio Lower Upper

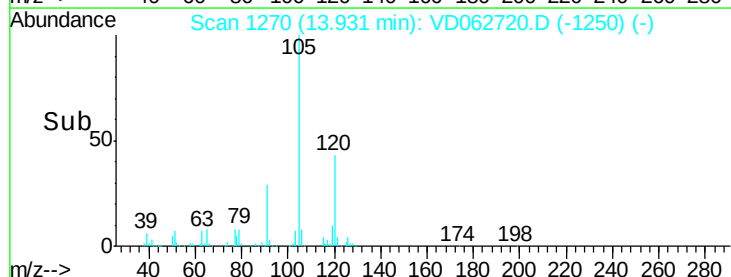
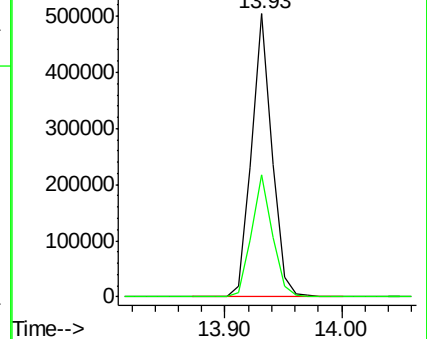
105 100

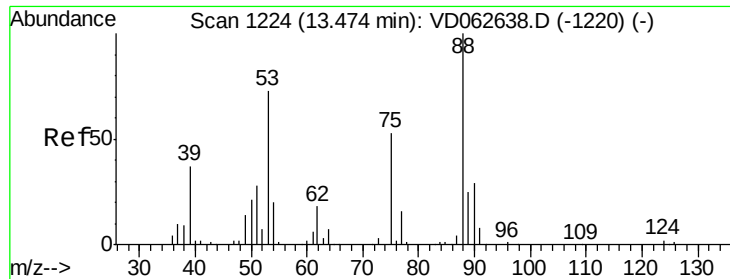
120 43.1 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.440 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

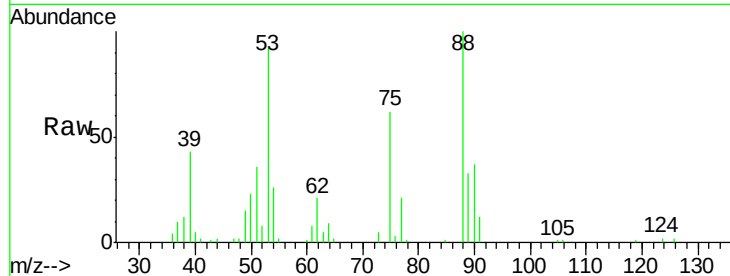
Tot Ion: 75 Resp: 31275

Ion Ratio Lower Upper

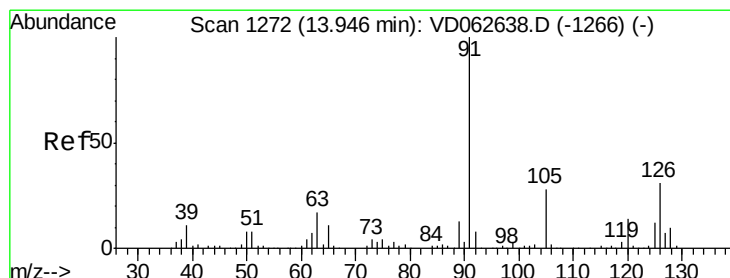
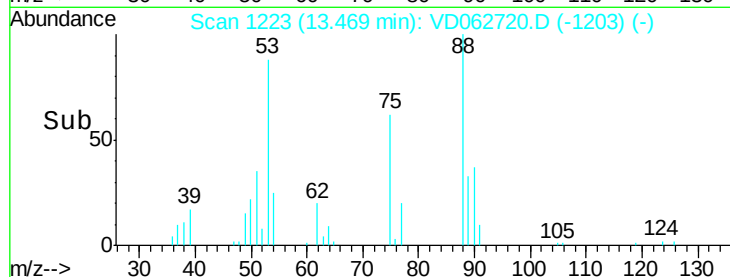
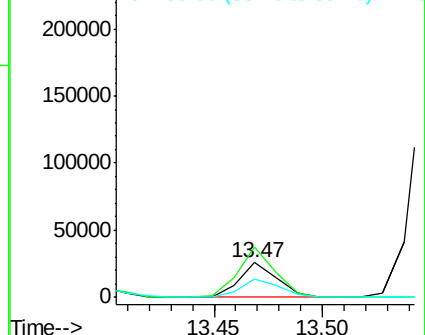
75 100

53 147.7 109.4 164.2

89 52.8 37.0 55.6



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: 21.826 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062720.D

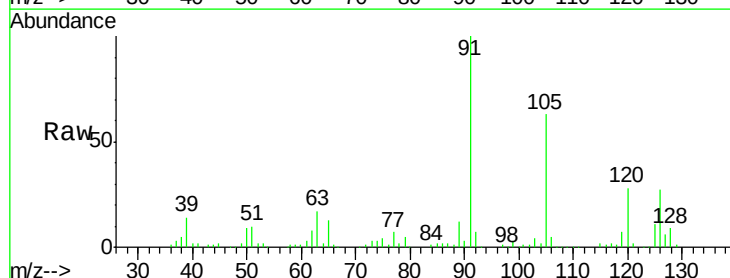
Acq: 17 Jun 2019 12:18

Tgt Ion: 91 Resp: 571563

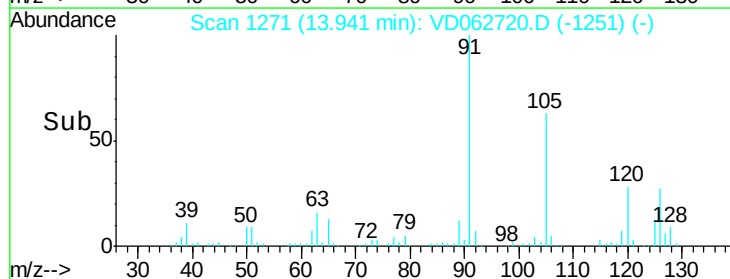
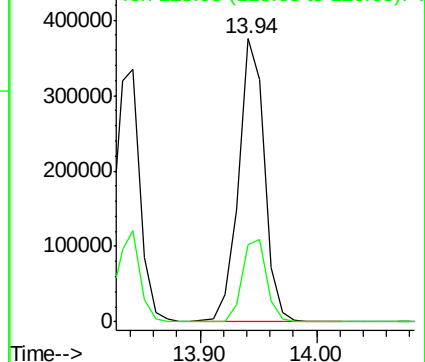
Ion Ratio Lower Upper

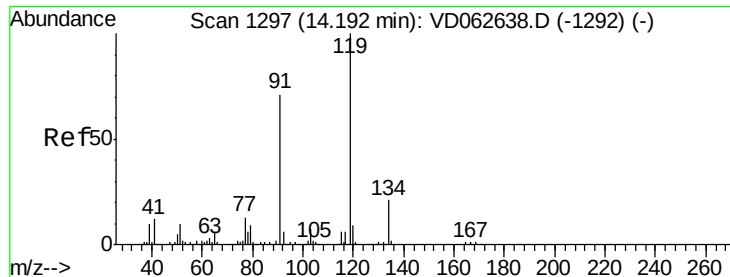
91 100

126 27.4 15.6 46.8



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

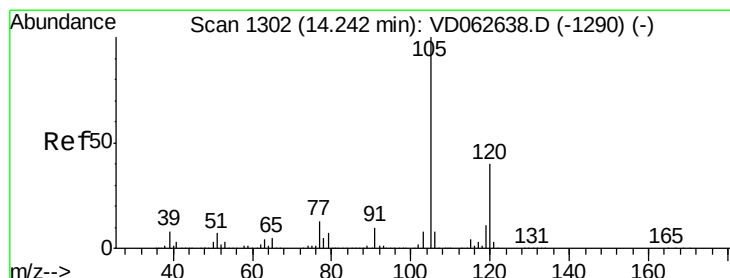
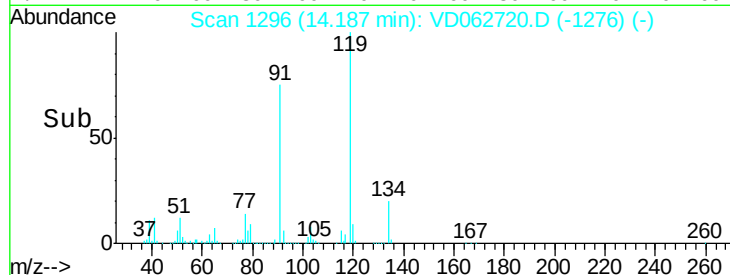
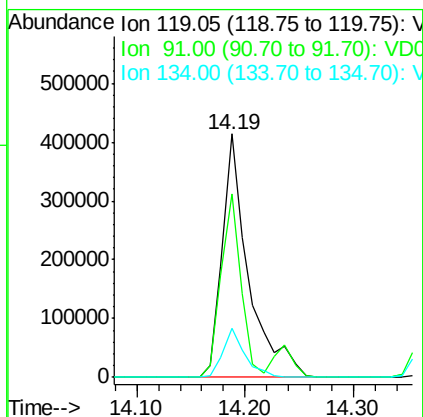
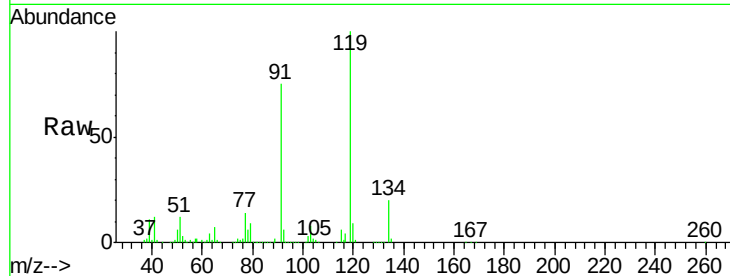




#83
 tert-Butylbenzene
 Concen: 23.458 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

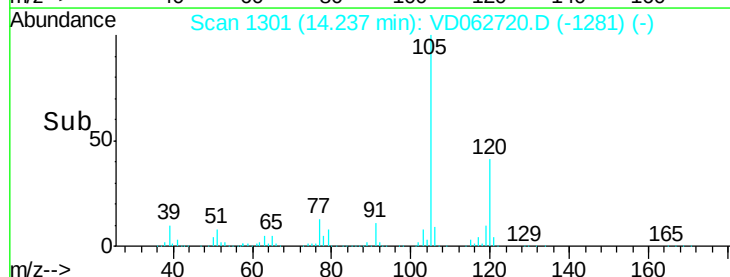
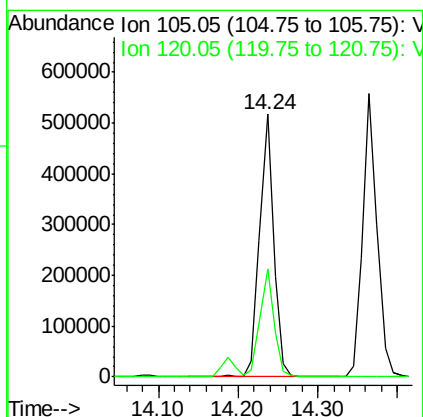
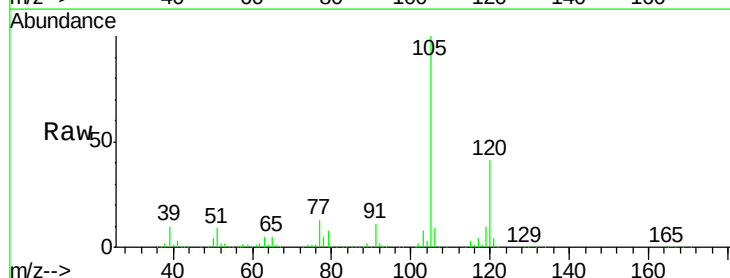
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

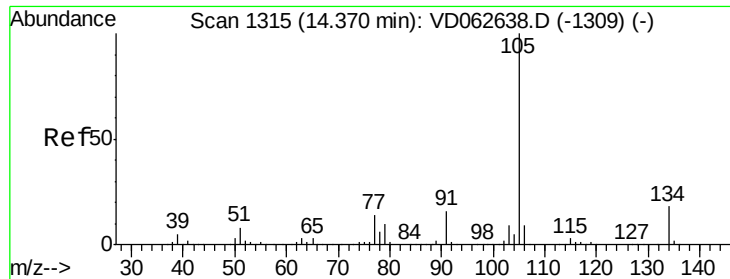
Tot Ion:119 Resp: 698621
 Ion Ratio Lower Upper
 119 100
 91 75.2 35.4 106.1
 134 20.1 10.8 32.3



#84
 1,2,4-Trimethylbenzene
 Concen: 23.488 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Tgt Ion:105 Resp: 627963
 Ion Ratio Lower Upper
 105 100
 120 41.2 20.3 60.8





#85

sec-Butylbenzene

Concen: 22.439 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

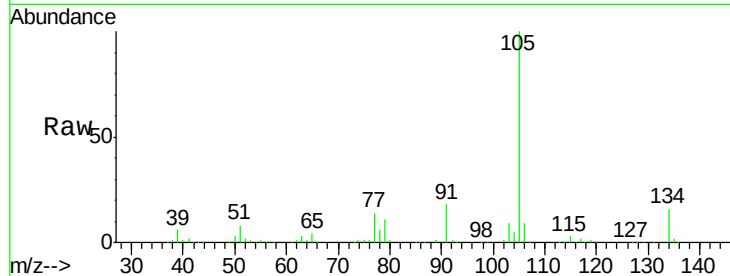
VD0617SBS01

Tot Ion:105 Resp: 700755

Ion Ratio Lower Upper

105 100

134 16.4 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.36

600000

500000

400000

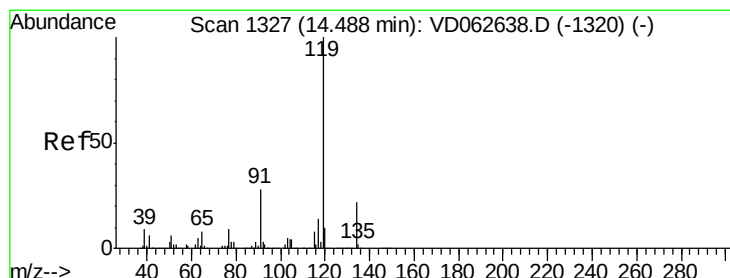
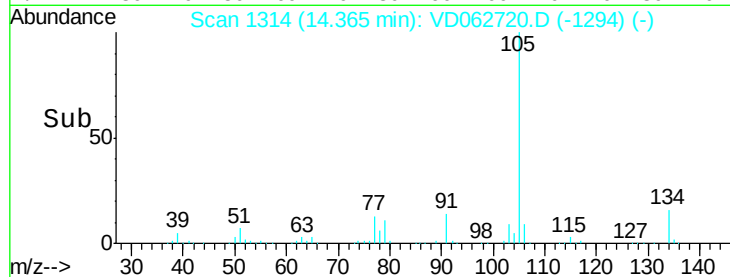
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.445 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

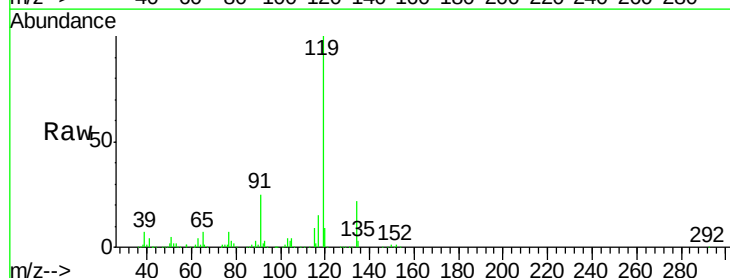
Tgt Ion:119 Resp: 712880

Ion Ratio Lower Upper

119 100

134 21.6 10.9 32.6

91 24.7 13.9 41.6



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

14.49

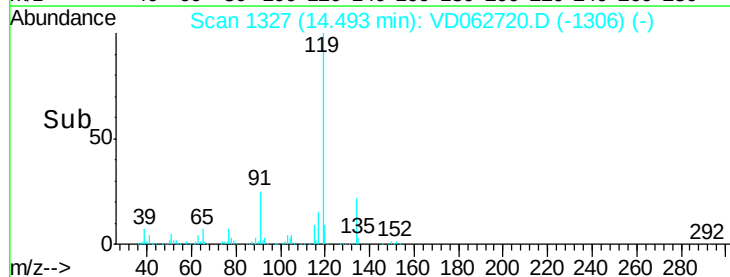
600000

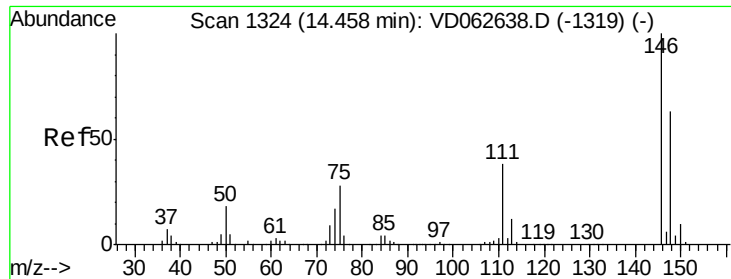
400000

200000

0

Time-->

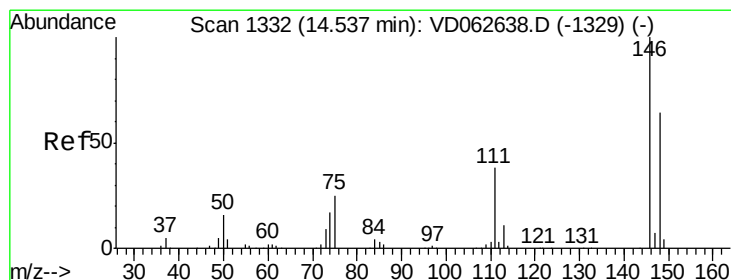
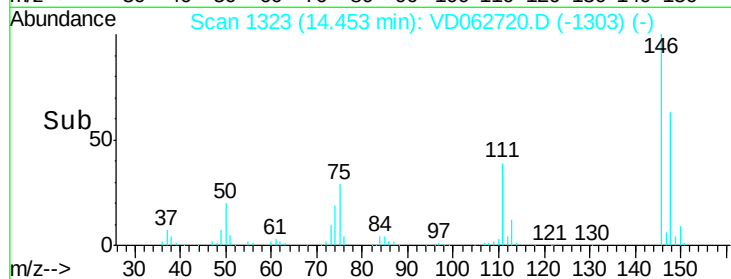
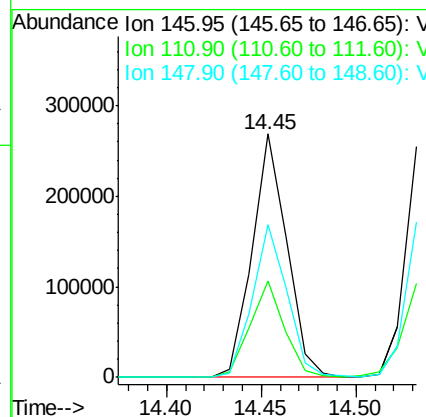
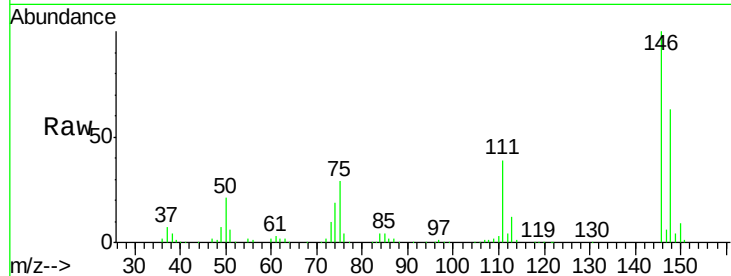




#87
 1,3-Dichlorobenzene
 Concen: 21.603 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

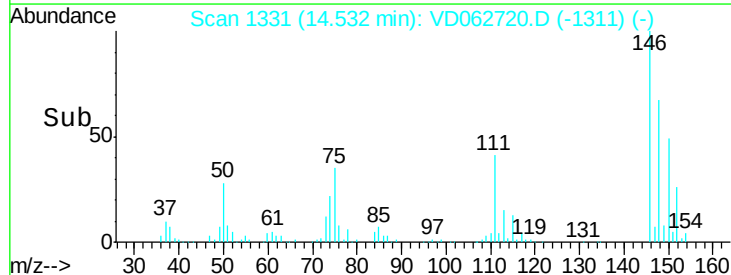
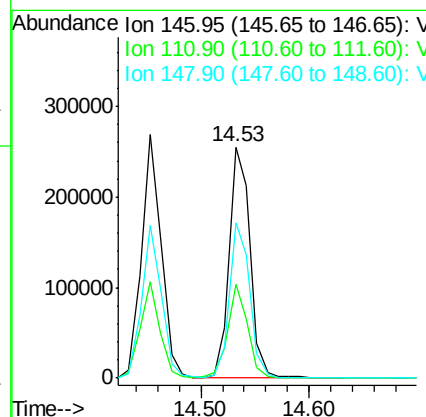
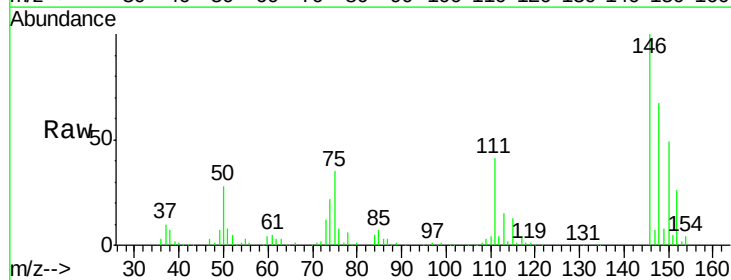
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

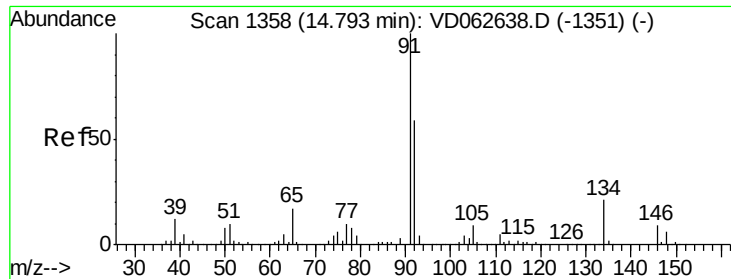
Tot Ion:146 Resp: 341750
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.2 57.6
 148 62.7 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 22.841 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Tgt Ion:146 Resp: 341481
 Ion Ratio Lower Upper
 146 100
 111 40.7 18.9 56.7
 148 67.3 32.3 96.8





#89

n-Butylbenzene

Concen: 23.919 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062720.D

Acq: 17 Jun 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBS01

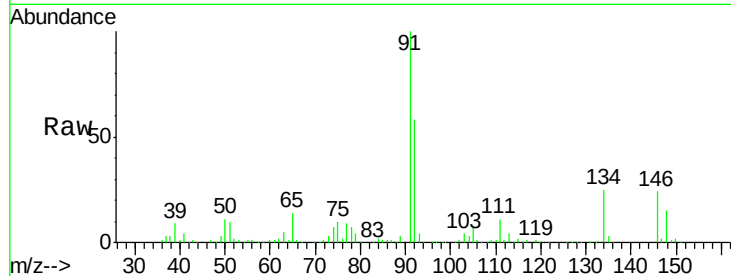
Tot Ion: 91 Resp: 654281

Ion Ratio Lower Upper

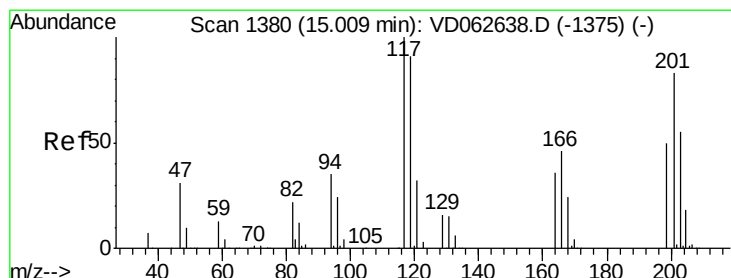
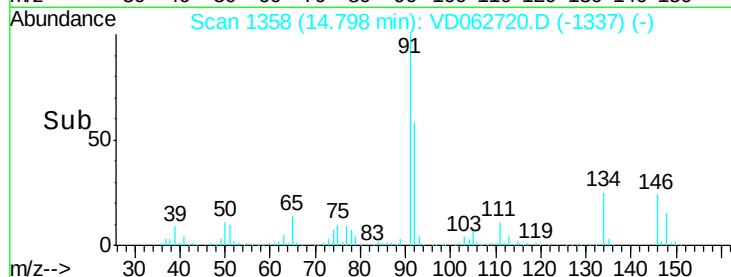
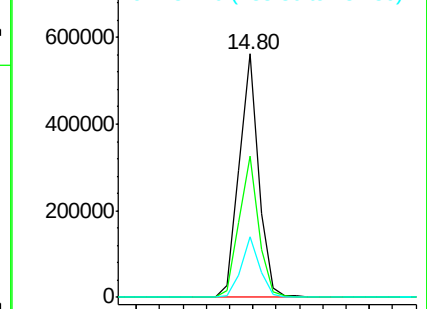
91 100

92 57.9 29.4 88.3

134 24.9 10.4 31.2



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: 22.739 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062720.D

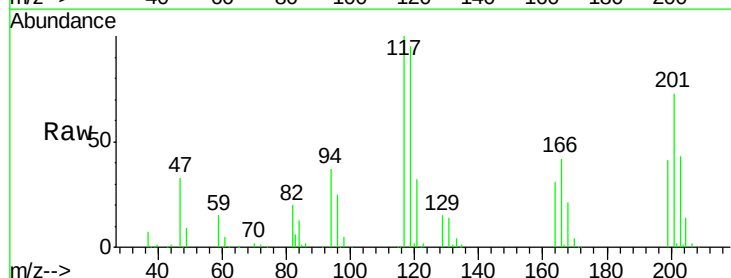
Acq: 17 Jun 2019 12:18

Tgt Ion: 117 Resp: 182527

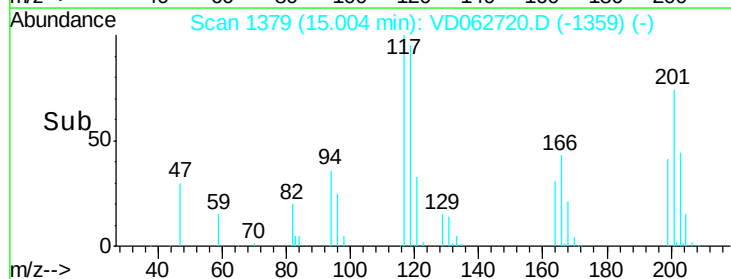
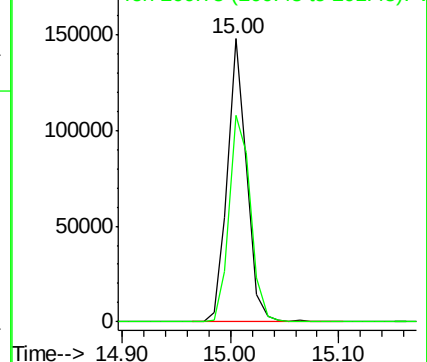
Ion Ratio Lower Upper

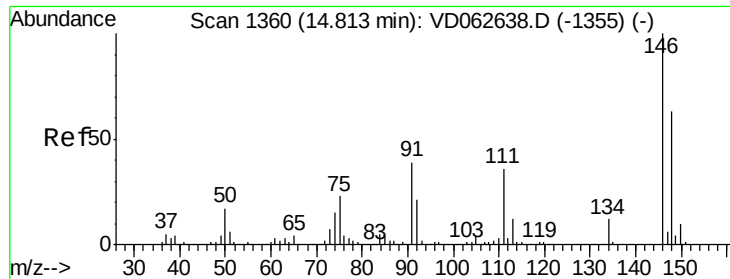
117 100

201 72.9 41.5 124.6



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

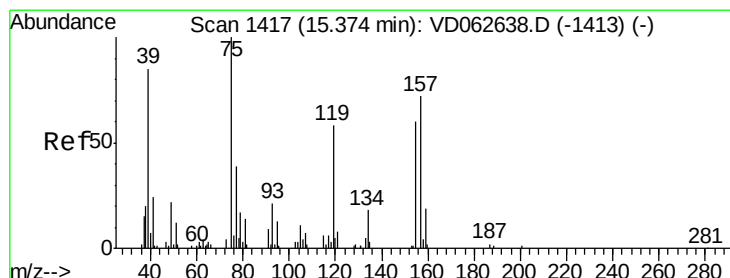
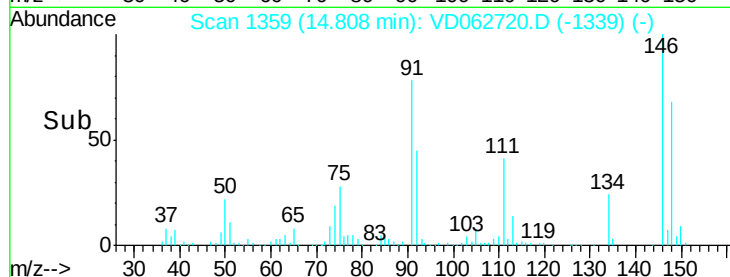
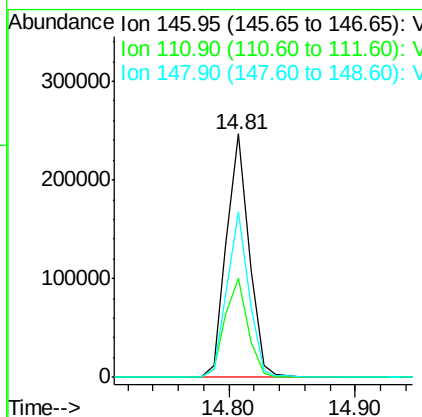
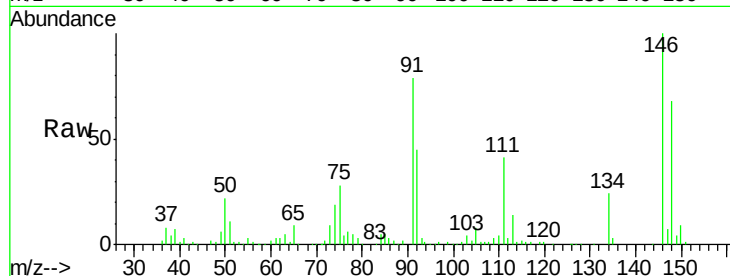




#91
 1,2-Dichlorobenzene
 Concen: 23.372 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

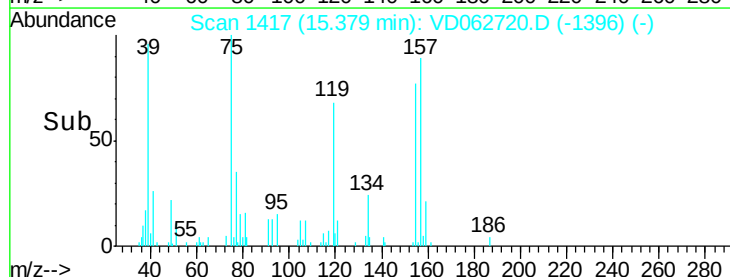
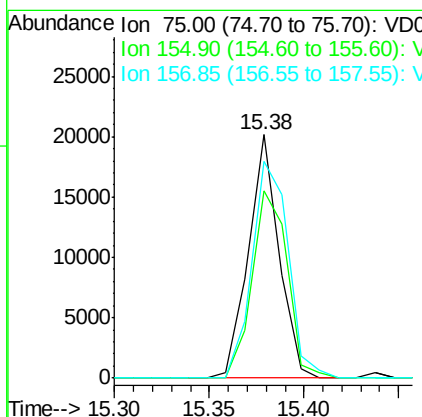
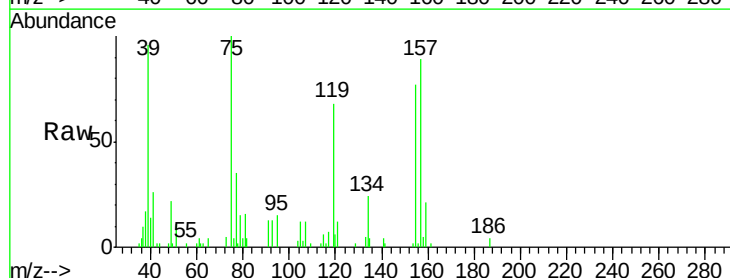
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

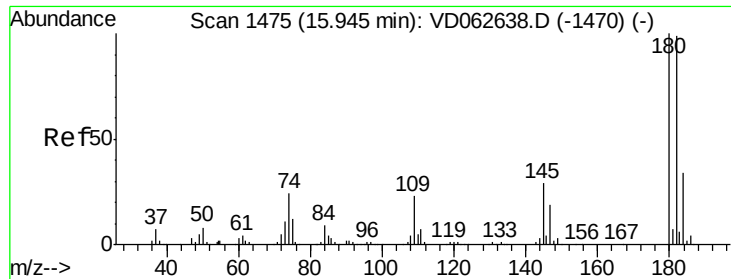
Tot Ion:146 Resp: 307351
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.1 54.3
 148 68.1 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.112 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Tgt Ion: 75 Resp: 22459
 Ion Ratio Lower Upper
 75 100
 155 76.7 30.1 90.5
 157 89.2 35.9 107.8

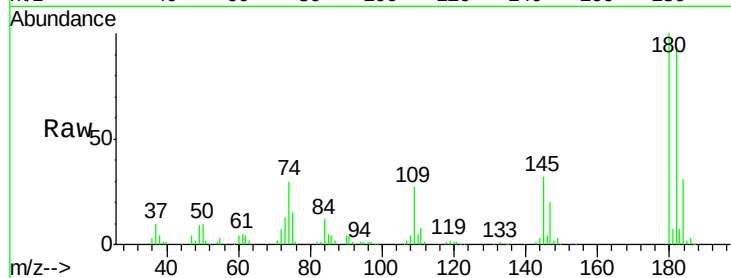




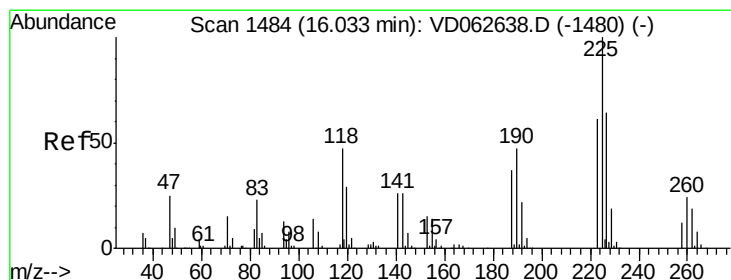
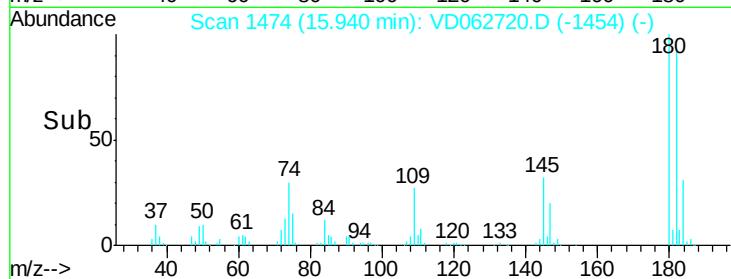
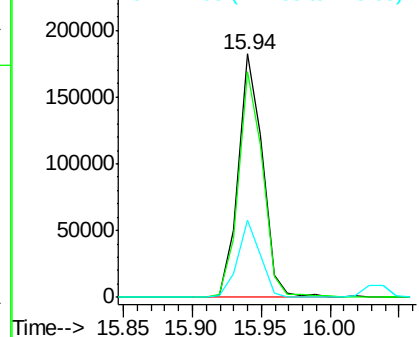
#93
 1,2,4-Trichlorobenzene
 Concen: 22.248 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	49.4	148.2
145	32.0	14.5	43.6

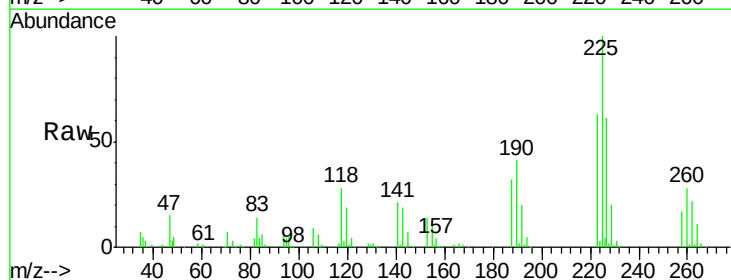


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

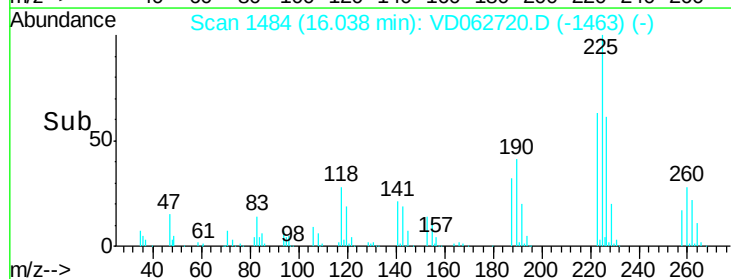
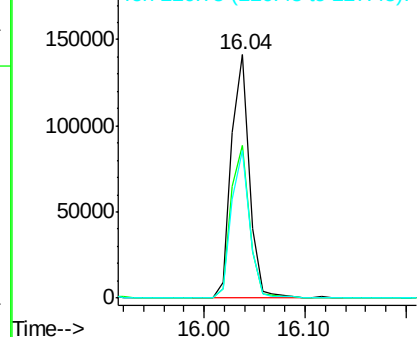


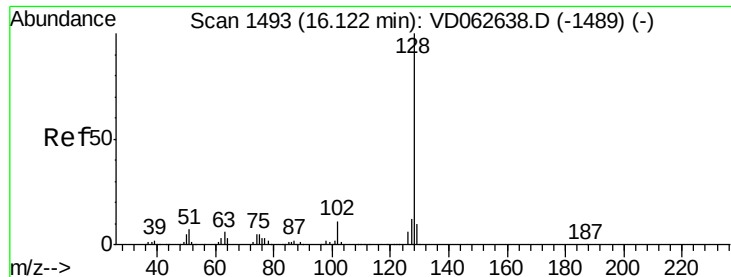
#94
 Hexachlorobutadiene
 Concen: 22.715 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062720.D
 Acq: 17 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.3	91.0
227	60.6	31.8	95.4



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

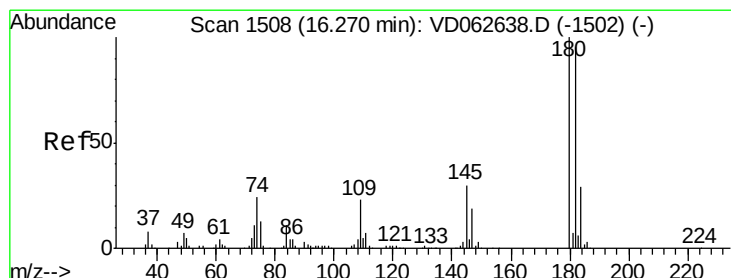
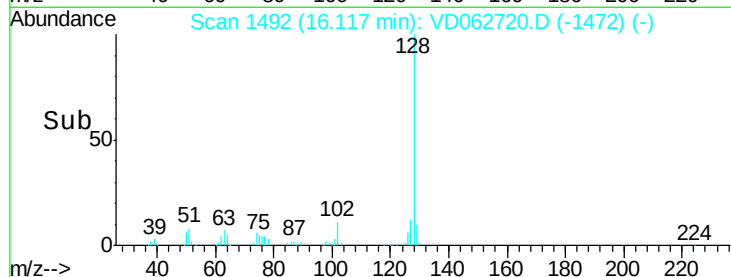
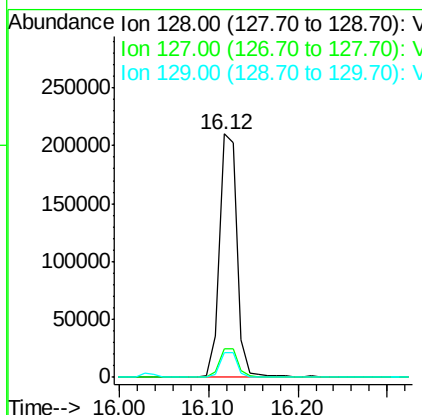
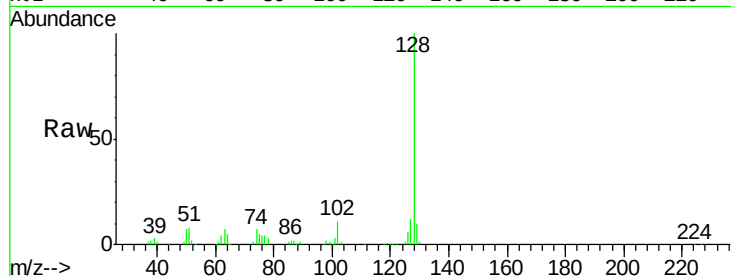




#95
Naphthalene
Concen: 20.844 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

Tot Ion:128 Resp: 293854
Ion Ratio Lower Upper
128 100
127 11.7 9.7 14.5
129 10.3 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 22.792 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062720.D
Acq: 17 Jun 2019 12:18

Tgt Ion:180 Resp: 172638
Ion Ratio Lower Upper
180 100
182 90.2 47.7 143.1
145 31.0 15.0 45.0

