

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062639.D
 Acq On : 7 Jun 2019 12:42
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jun 07 23:31:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	748793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	978380	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	758084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	463098	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	752362	69.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.10%	
35) Dibromofluoromethane	6.91	113	767991	74.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.82%	
50) Toluene-d8	10.40	98	1615802	73.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.06%	
62) 4-Bromofluorobenzene	13.55	95	735825	70.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.16%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.56	85	513275	53.257	ug/l 99
3) Chloromethane	1.73	50	417326	55.290	ug/l 99
4) Vinyl Chloride	1.84	62	461203	60.478	ug/l 97
5) Bromomethane	2.13	94	243179	63.570	ug/l 96
6) Chloroethane	2.25	64	256869	65.190	ug/l # 89
7) Trichlorofluoromethane	2.52	101	1126550	64.999	ug/l 100
8) Diethyl Ether	2.86	74	143861	60.866	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	597378	62.153	ug/l 98
10) Methyl Iodide	3.29	142	844187	68.895	ug/l 96
11) Tert butyl alcohol	4.07	59	135114	285.730	ug/l # 87
12) 1,1-Dichloroethene	3.11	96	419861	62.692	ug/l 98
13) Acrolein	3.02	56	48566	371.616	ug/l 98
14) Allyl chloride	3.60	41	689358	66.951	ug/l 96
15) Acrylonitrile	4.18	53	340909	332.994	ug/l 100
16) Acetone	3.21	43	707392	349.416	ug/l 94
17) Carbon Disulfide	3.35	76	1328694	66.396	ug/l 99
18) Methyl Acetate	3.63	43	203213	61.681	ug/l # 93
19) Methyl tert-butyl Ether	4.22	73	1114890	67.506	ug/l 98
20) Methylene Chloride	3.80	84	467387	61.906	ug/l 96
21) trans-1,2-Dichloroethene	4.19	96	490809	65.427	ug/l 94
22) Diisopropyl ether	5.11	45	1498497	71.105	ug/l 93
23) Vinyl Acetate	5.04	43	4719899	354.939	ug/l 98
24) 1,1-Dichloroethane	4.96	63	928722	66.740	ug/l 100
25) 2-Butanone	6.06	43	667876	338.461	ug/l 98
26) 2,2-Dichloropropane	6.00	77	1027047	63.797	ug/l 99
27) cis-1,2-Dichloroethene	6.01	96	536465	67.201	ug/l 98
28) Bromochloromethane	6.43	49	381812	76.626	ug/l 91
29) Tetrahydrofuran	6.45	42	297448	334.973	ug/l 98
30) Chloroform	6.65	83	1202186	67.114	ug/l 90
31) Cyclohexane	6.94	56	625141	73.298	ug/l 97
32) 1,1,1-Trichloroethane	6.85	97	1207918	66.679	ug/l 99
36) 1,1-Dichloropropene	7.13	75	739562	63.469	ug/l 98
37) Ethyl Acetate	6.17	43	307062	60.447	ug/l 95
38) Carbon Tetrachloride	7.10	117	1243804	67.626	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.86	83	662710	71.468	ug/l	93
40) Benzene	7.44	78	1457648	65.670	ug/l	100
41) Methacrylonitrile	6.44	41	405516	66.607	ug/l #	96
42) 1,2-Dichloroethane	7.57	62	935105	70.246	ug/l	95
43) Isopropyl Acetate	9.23	43	447291	74.987	ug/l	98
44) Trichloroethene	8.53	130	630573	68.821	ug/l	95
45) 1,2-Dichloropropane	8.93	63	370224	68.753	ug/l	97
46) Dibromomethane	9.05	93	338503	70.192	ug/l	91
47) Bromodichloromethane	9.37	83	921194	70.357	ug/l	97
48) Methyl methacrylate	9.11	41	290195	65.351	ug/l	98
49) 1,4-Dioxane	9.07	88	46250	1318.470	ug/l	90
51) 4-Methyl-2-Pentanone	10.29	43	1481364	349.752	ug/l	99
52) Toluene	10.50	92	1035520	68.178	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	748747	69.474	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	778801	69.837	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	358388	70.617	ug/l	97
56) Ethyl methacrylate	11.03	69	380969	68.675	ug/l	94
57) 1,3-Dichloropropane	11.40	76	560510	70.225	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	882538	316.547	ug/l	97
59) 2-Hexanone	11.53	43	1122542	352.103	ug/l	99
60) Dibromochloromethane	11.68	129	715013	70.931	ug/l	100
61) 1,2-Dibromoethane	11.80	107	428449	69.612	ug/l	94
64) Tetrachloroethene	11.25	164	551653	76.647	ug/l	95
65) Chlorobenzene	12.39	112	1234401	72.686	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	602300	74.013	ug/l	99
67) Ethyl Benzene	12.52	91	2223689	73.650	ug/l	98
68) m/p-Xylenes	12.67	106	1626743	153.560	ug/l	96
69) o-Xylene	13.05	106	711085	71.513	ug/l	91
70) Styrene	13.07	104	1254141	70.735	ug/l	96
71) Bromoform	13.23	173	420952	74.421	ug/l #	91
73) Isopropylbenzene	13.41	105	2315999	68.683	ug/l	94
74) N-amyl acetate	13.26	43	636454	70.100	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	393334	68.944	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	421661	65.997	ug/l	98
77) Bromobenzene	13.67	156	655623	69.104	ug/l	99
78) n-propylbenzene	13.77	91	2607690	63.883	ug/l	99
79) 2-Chlorotoluene	13.84	91	1621935	68.107	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	2017426	68.549	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	119184	72.418	ug/l	91
82) 4-Chlorotoluene	13.95	91	1919821	67.005	ug/l	97
83) tert-Butylbenzene	14.18	119	2172736	66.171	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	1953538	66.073	ug/l	100
85) sec-Butylbenzene	14.36	105	2143991	62.789	ug/l	96
86) p-Isopropyltoluene	14.49	119	2206329	66.602	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1099691	62.664	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	1161020	70.436	ug/l	99
89) n-Butylbenzene	14.79	91	2037337	67.499	ug/l	98
90) Hexachloroethane	15.00	117	551487	63.201	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	969750	67.237	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	15.37	75	83315	66.130	ug/l	82

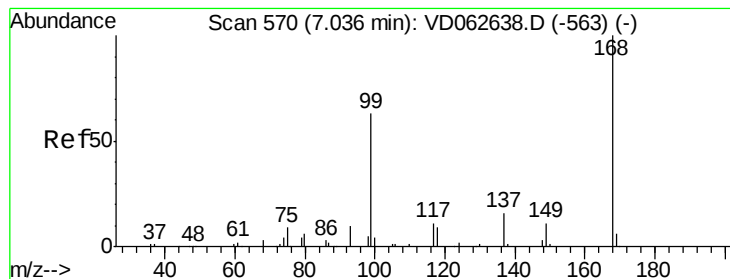
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	727726	66.508	ug/l	99
94) Hexachlorobutadiene	16.03	225	586915	67.930	ug/l	98
95) Naphthalene	16.12	128	1079652	71.023	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	583816	70.424	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

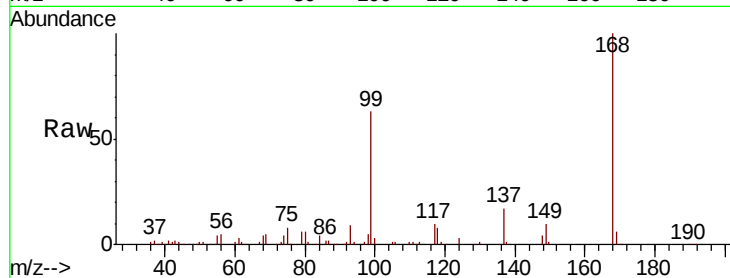
VSTDIC075

Tot Ion:168 Resp: 748793

Ion Ratio Lower Upper

168 100

99 62.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

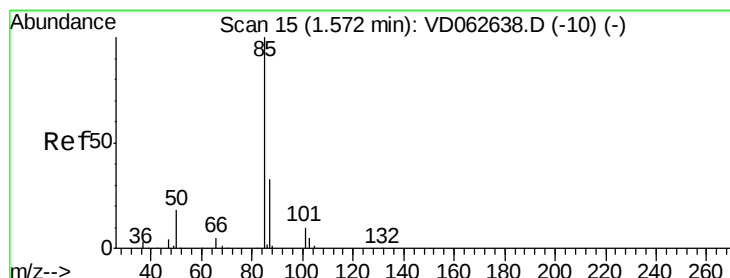
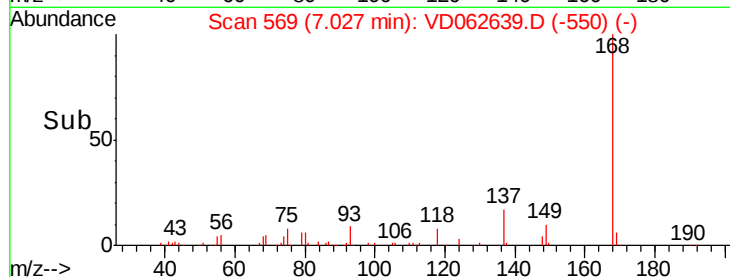
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 53.257 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062639.D

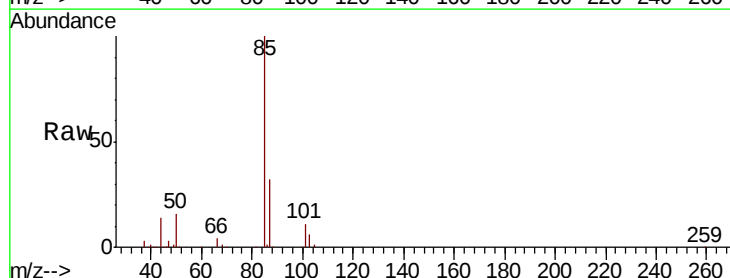
Acq: 7 Jun 2019 12:42

Tgt Ion: 85 Resp: 513275

Ion Ratio Lower Upper

85 100

87 32.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

250000

200000

150000

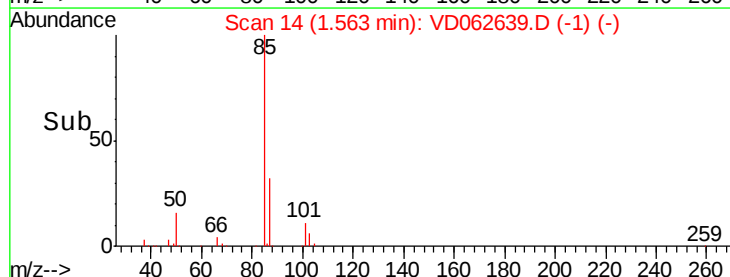
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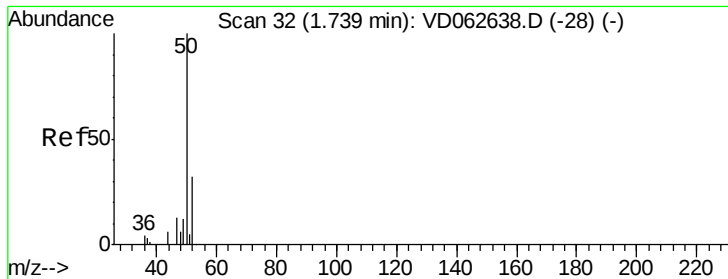
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 55.290 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

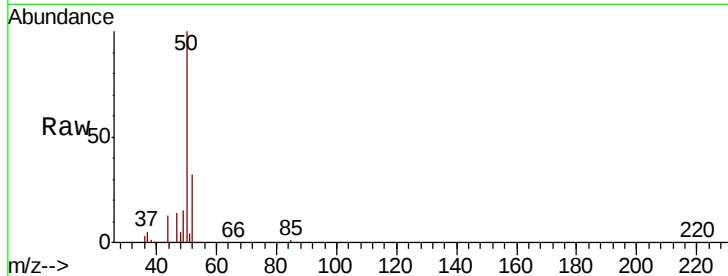
VSTDIC075

Tot Ion: 50 Resp: 417326

Ion Ratio Lower Upper

50 100

52 31.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

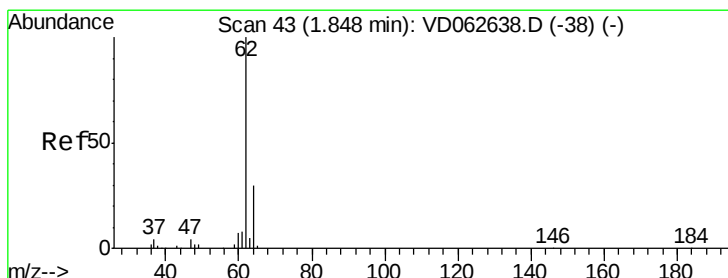
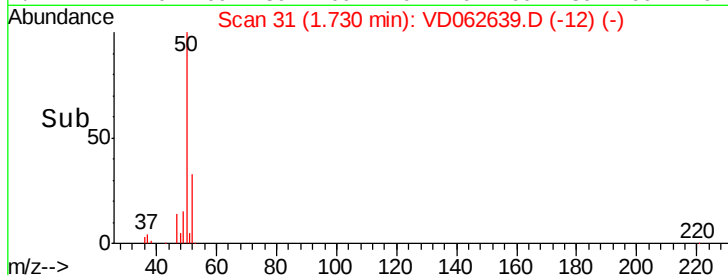
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 60.478 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062639.D

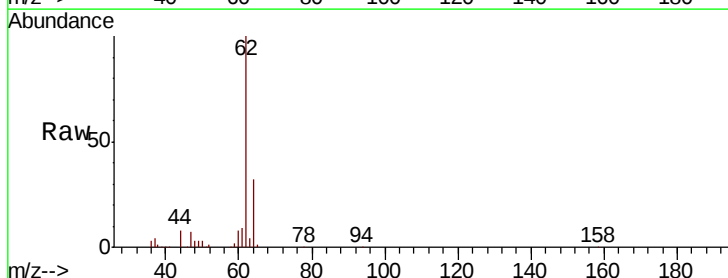
Acq: 7 Jun 2019 12:42

Tgt Ion: 62 Resp: 461203

Ion Ratio Lower Upper

62 100

64 32.2 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

250000

200000

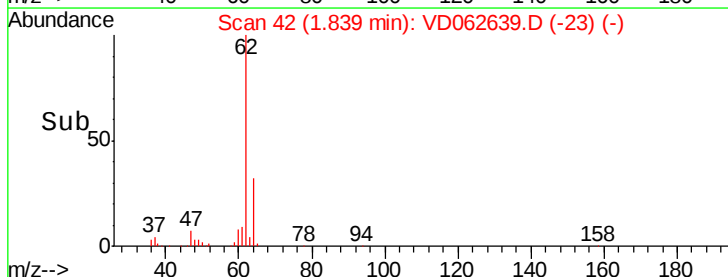
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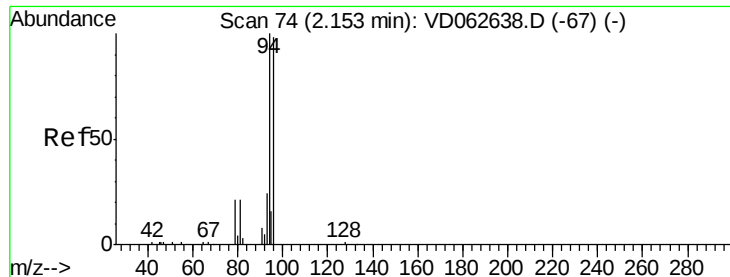
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 63.570 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

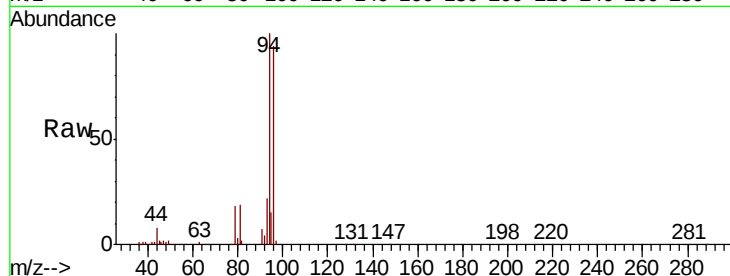
Tot Ion: 94 Resp: 243179

Ion Ratio Lower Upper

94 100

96 94.2 78.1 117.1

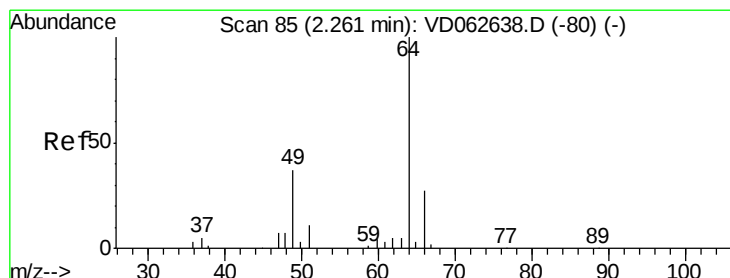
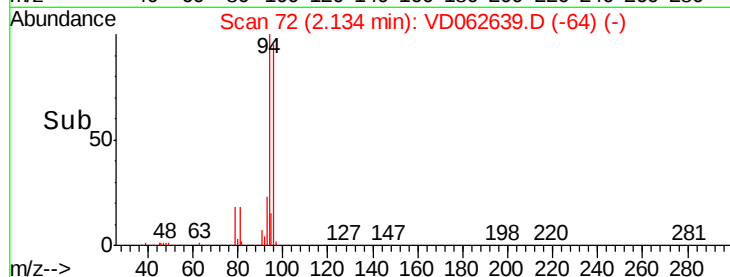
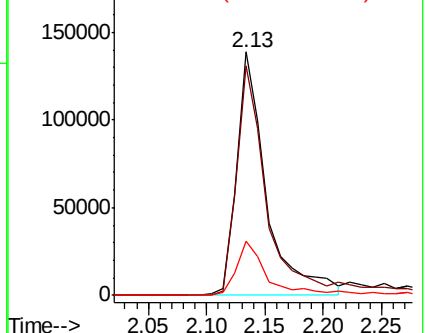
93 22.5 19.6 29.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 65.190 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062639.D

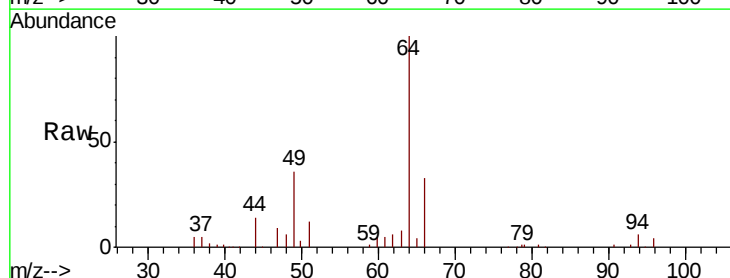
Acq: 7 Jun 2019 12:42

Tgt Ion: 64 Resp: 256869

Ion Ratio Lower Upper

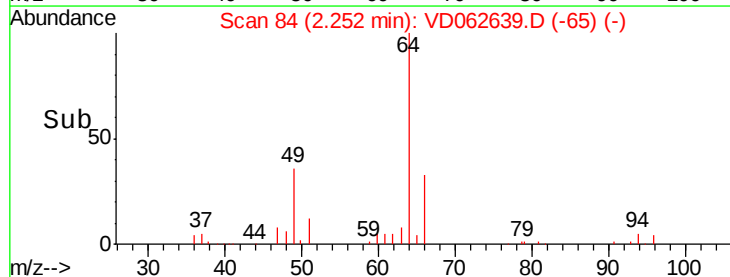
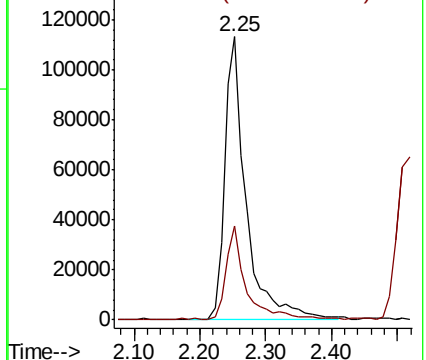
64 100

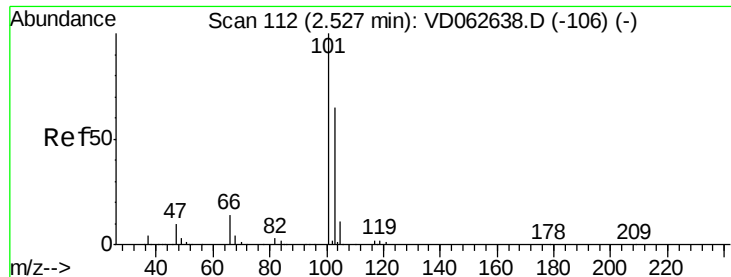
66 33.2 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



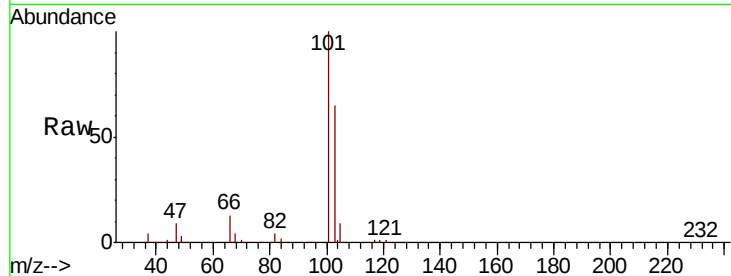


#7

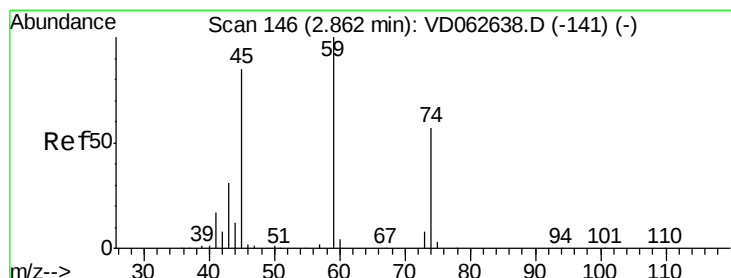
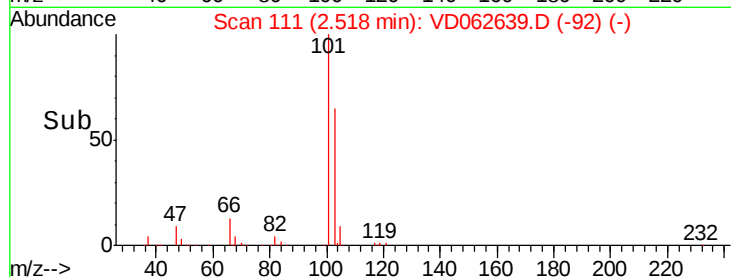
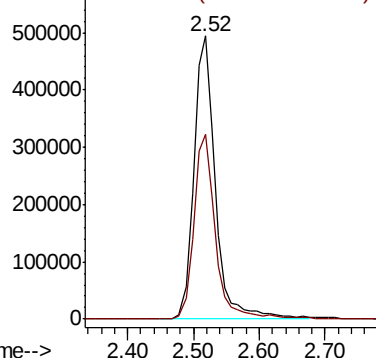
Trichlorofluoromethane
Concen: 64.999 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
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Tot Ion:101 Resp: 1126550
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.2



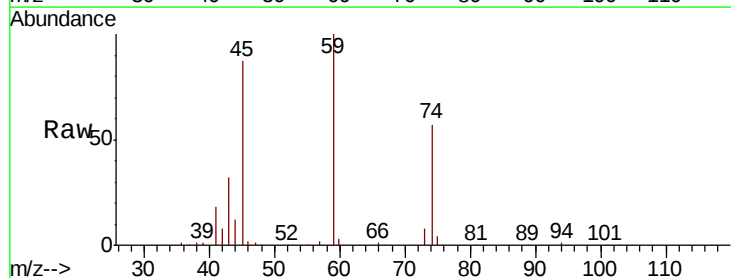
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



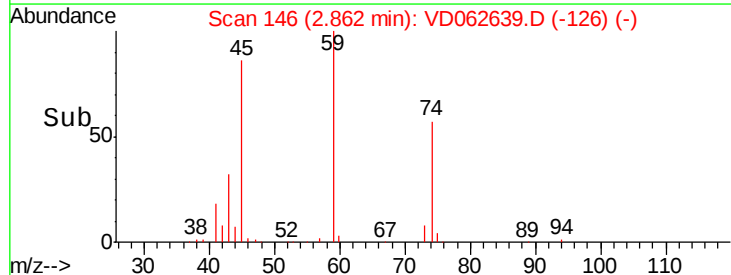
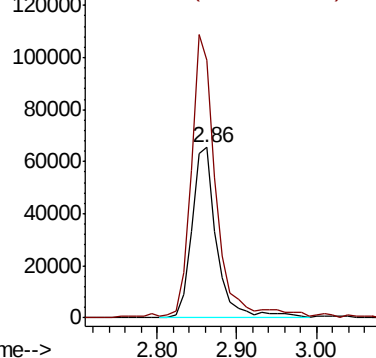
#8

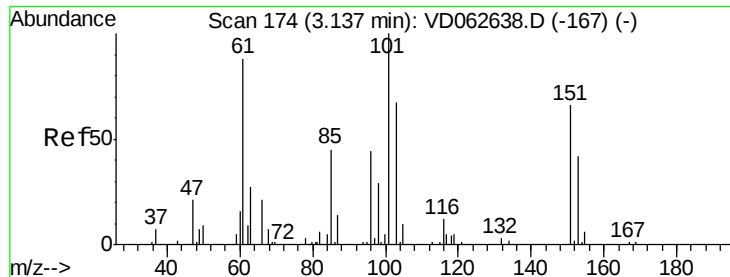
Diethyl Ether
Concen: 60.866 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 74 Resp: 143861
Ion Ratio Lower Upper
74 100
45 151.7 74.9 224.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 62.153 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

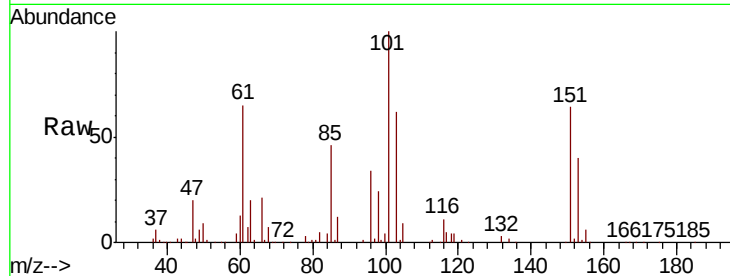
Tot Ion:101 Resp: 597378

Ion Ratio Lower Upper

101 100

85 46.4 36.0 54.0

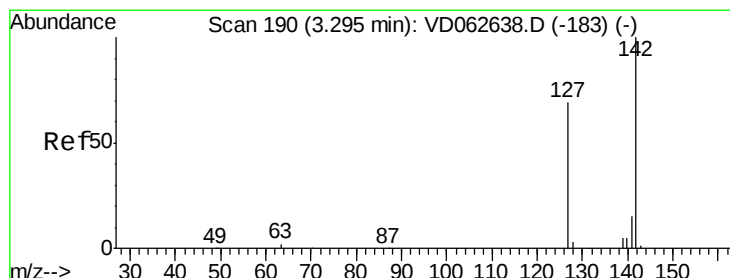
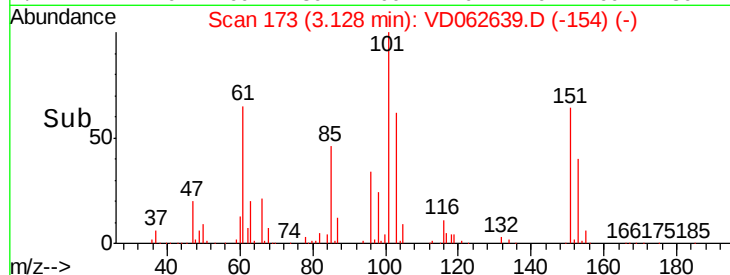
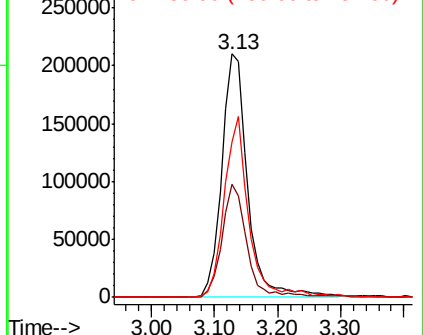
151 63.6 52.6 79.0



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: 68.895 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

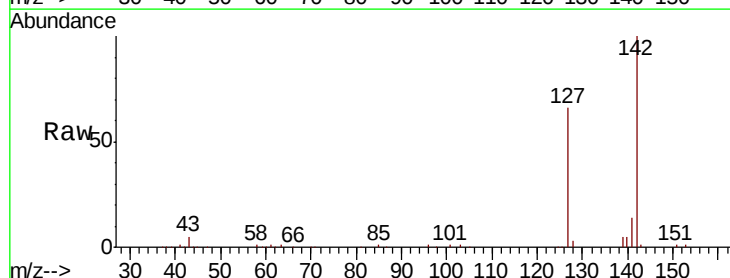
Tgt Ion:142 Resp: 844187

Ion Ratio Lower Upper

142 100

127 65.9 55.2 82.8

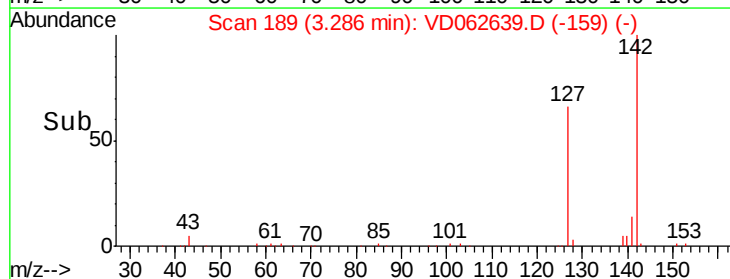
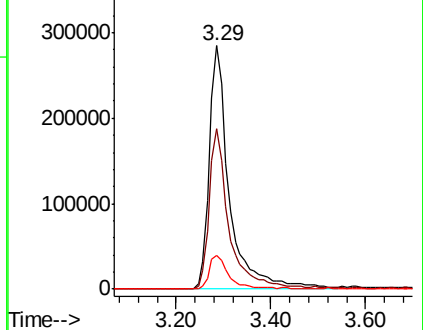
141 13.8 12.1 18.1

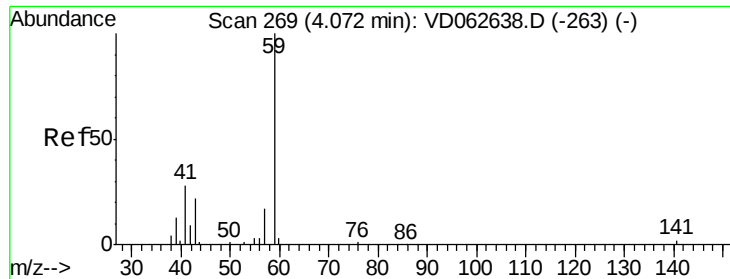


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



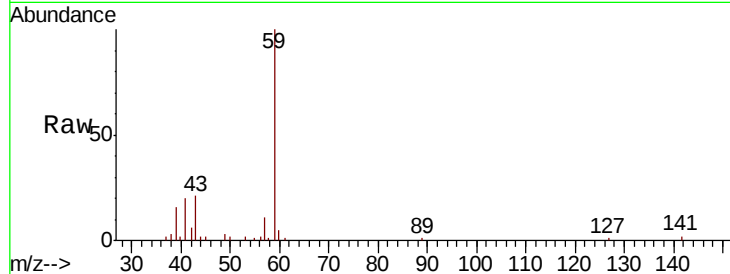


#11

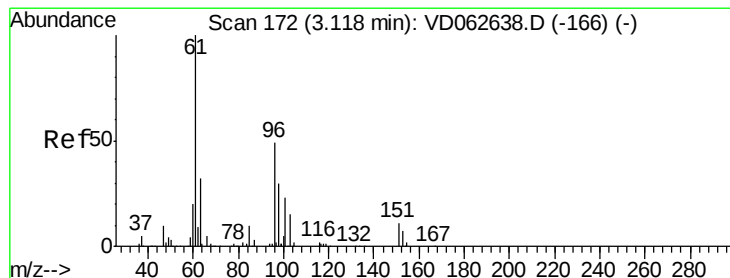
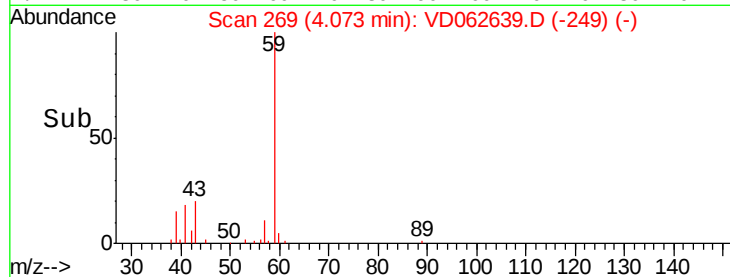
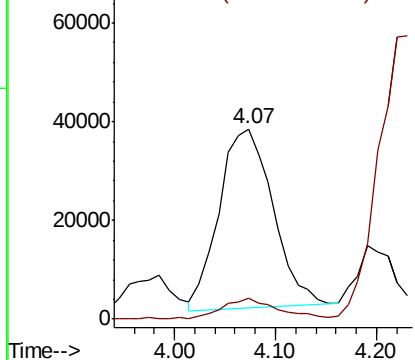
Tert butyl alcohol
 Concen: 285.730 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 59 Resp: 135114
 Ion Ratio Lower Upper
 59 100
 57 11.3 13.7 20.5#



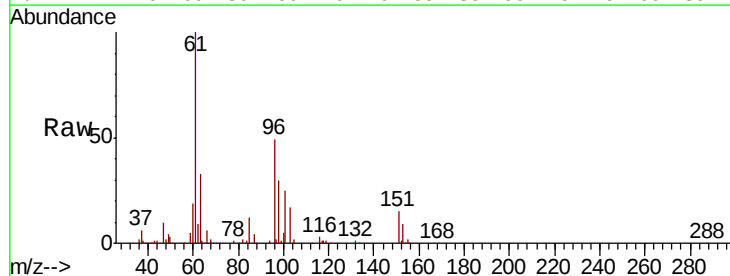
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



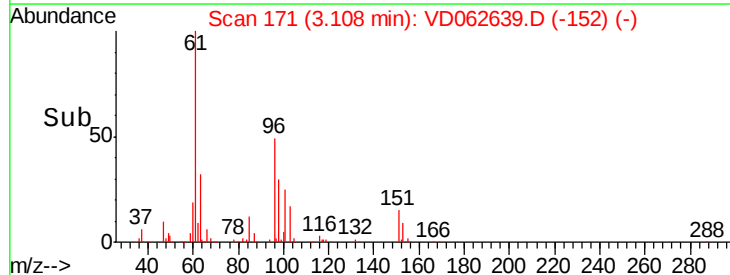
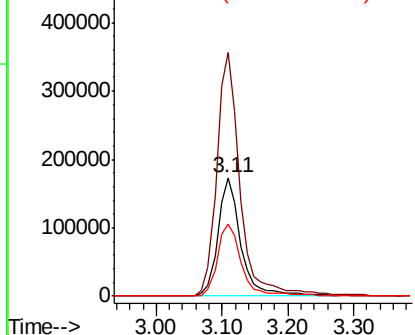
#12

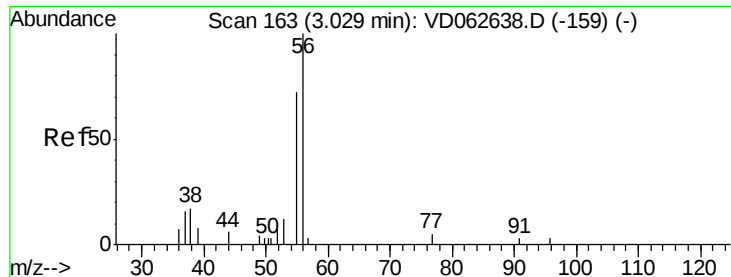
1,1-Dichloroethene
 Concen: 62.692 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion: 96 Resp: 419861
 Ion Ratio Lower Upper
 96 100
 61 205.9 161.8 242.8
 98 61.2 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

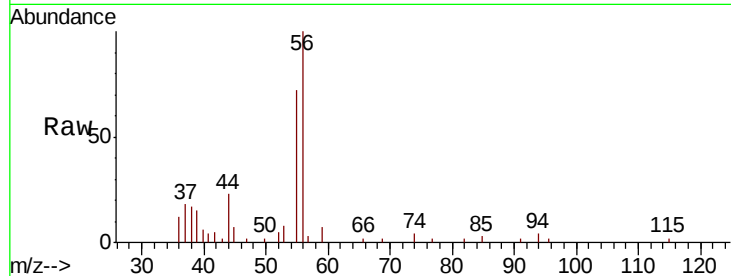




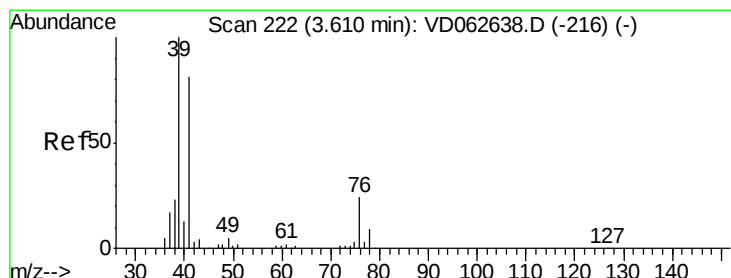
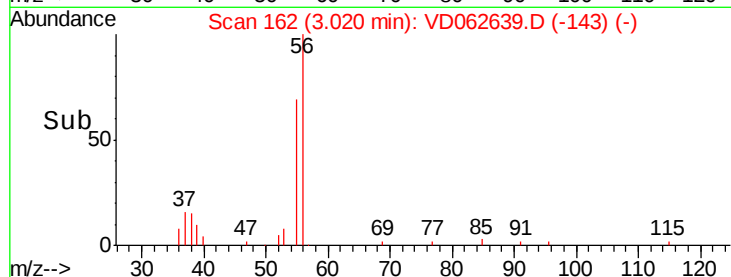
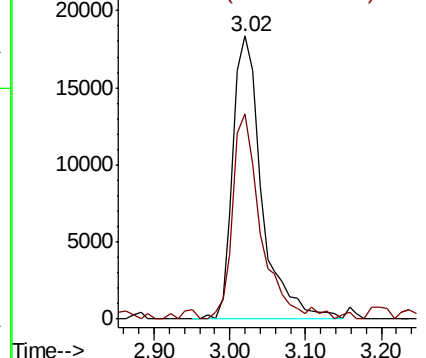
#13
Acrolein
Concen: 371.616 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 48566
Ion Ratio Lower Upper
56 100
55 72.5 59.4 89.0

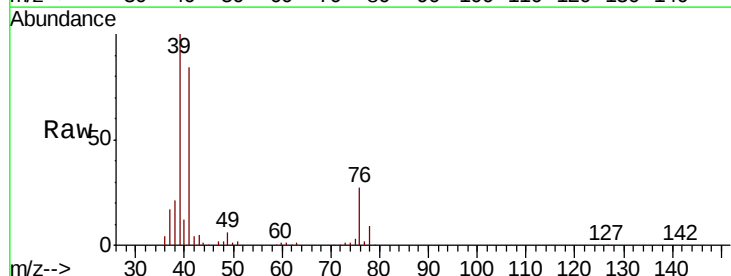


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC

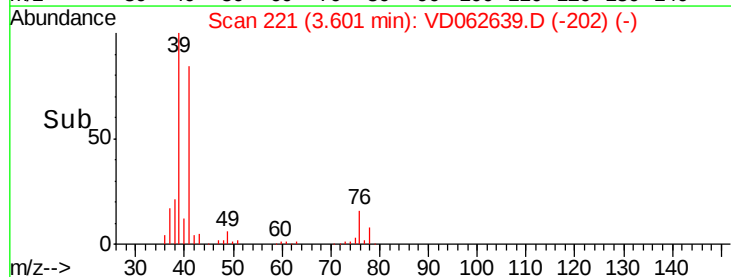
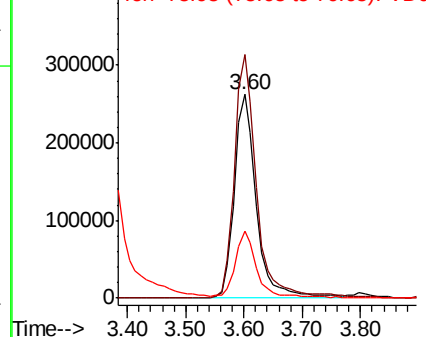


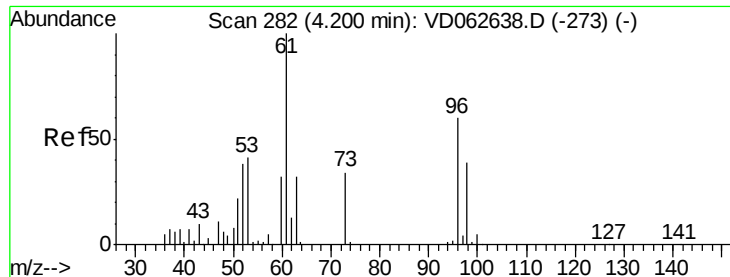
#14
Allyl chloride
Concen: 66.951 ug/l
RT: 3.60 min Scan# 221
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 41 Resp: 689358
Ion Ratio Lower Upper
41 100
39 119.5 99.1 148.7
76 32.6 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





#15

Acrylonitrile

Concen: 332.994 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

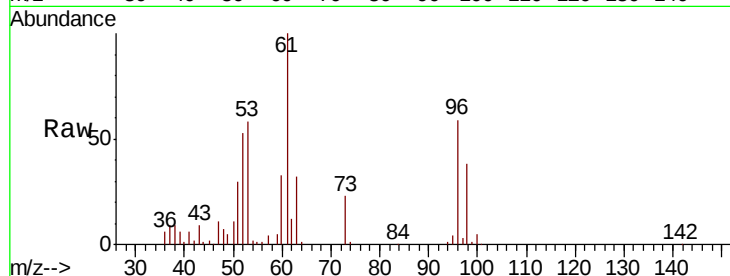
Tot Ion: 53 Resp: 340909

Ion Ratio Lower Upper

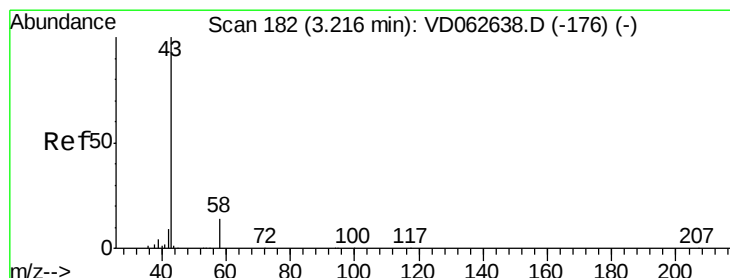
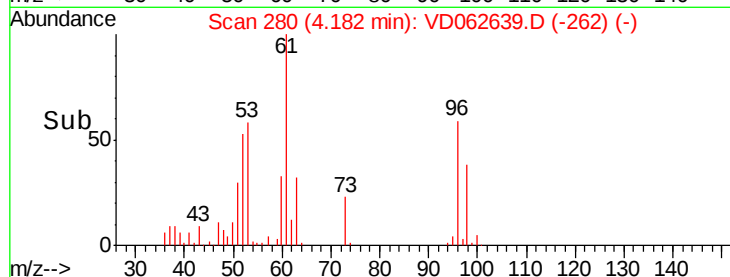
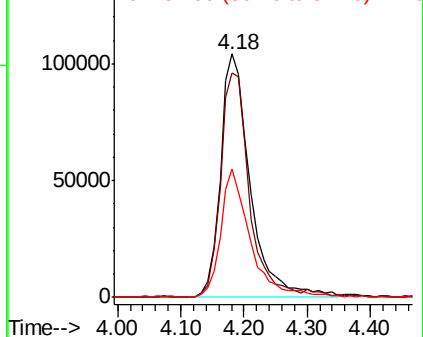
53 100

52 92.1 73.6 110.4

51 52.7 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: 349.416 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062639.D

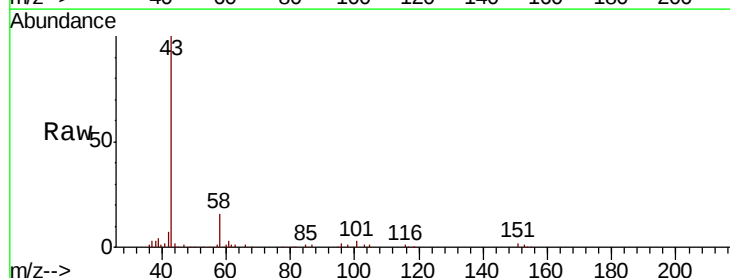
Acq: 7 Jun 2019 12:42

Tgt Ion: 43 Resp: 707392

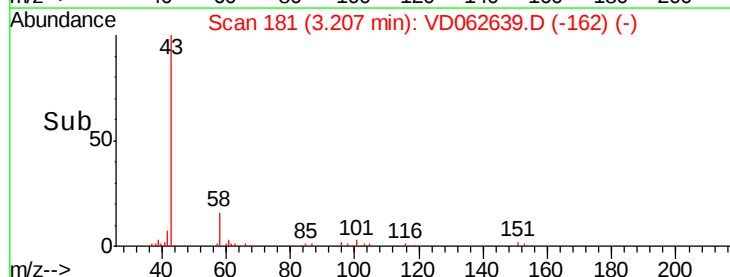
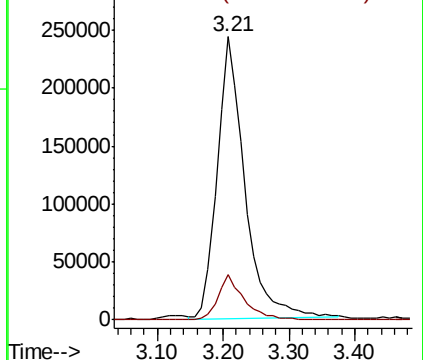
Ion Ratio Lower Upper

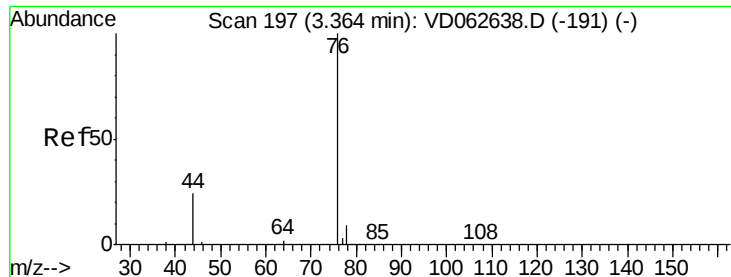
43 100

58 16.0 10.8 16.2



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

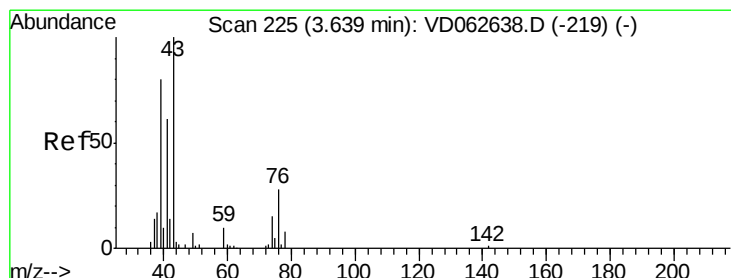
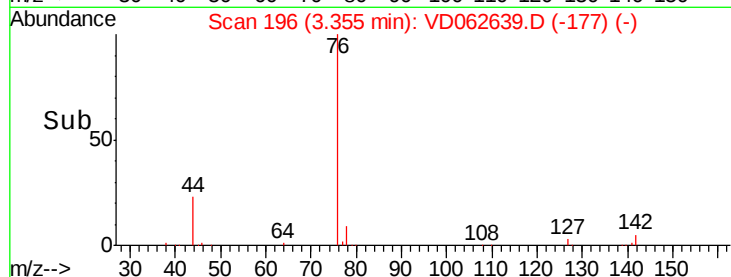
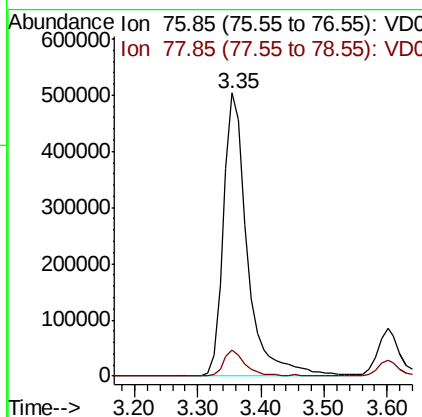
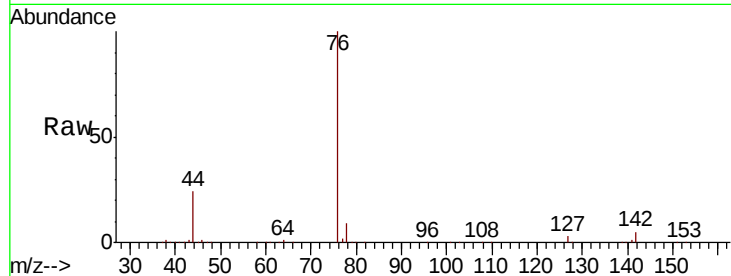




#17
Carbon Disulfide
Concen: 66.396 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

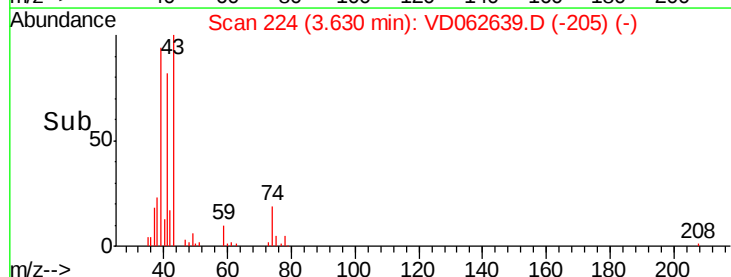
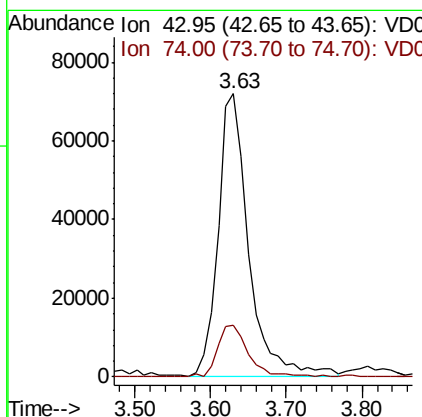
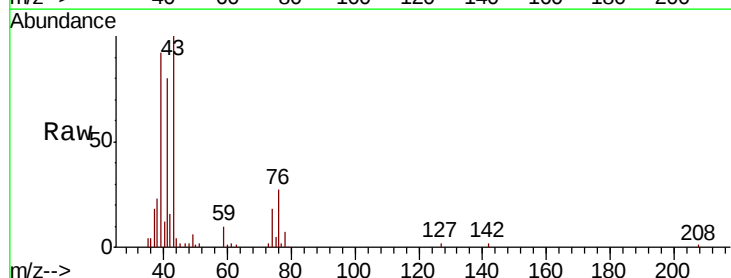
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

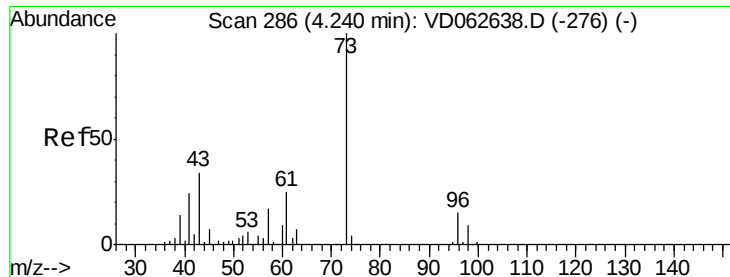
Tot Ion: 76 Resp: 1328694
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#18
Methyl Acetate
Concen: 61.681 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 43 Resp: 203213
Ion Ratio Lower Upper
43 100
74 18.2 12.1 18.1#



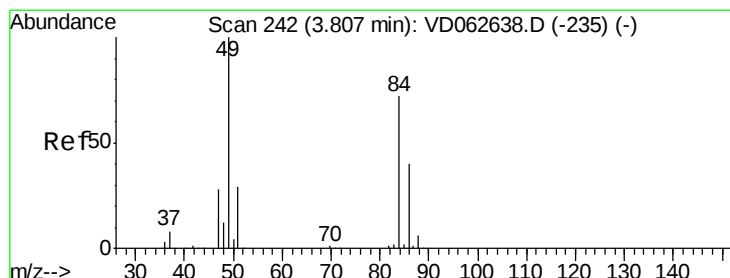
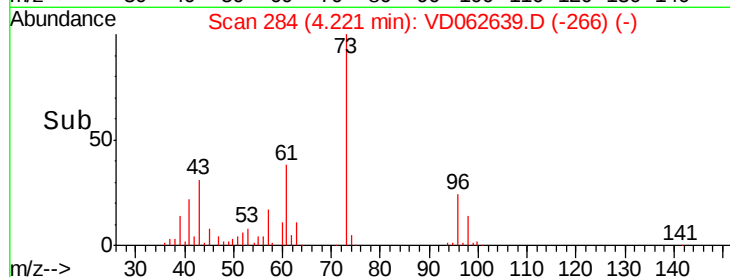
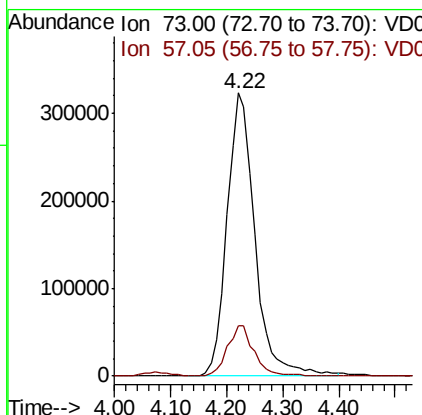
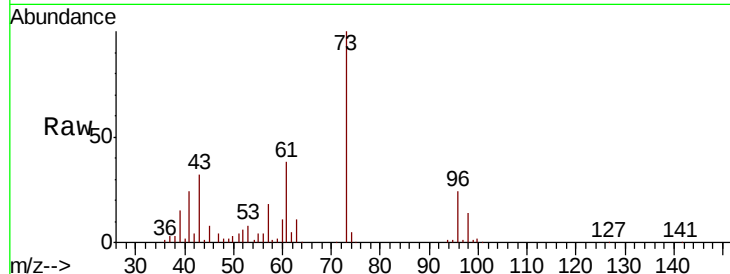


#19

Methyl tert-butyl Ether
 Concen: 67.506 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.02 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

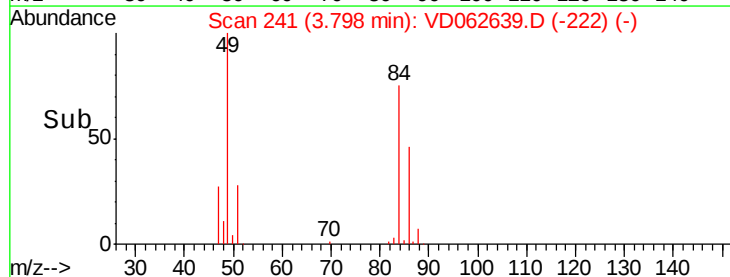
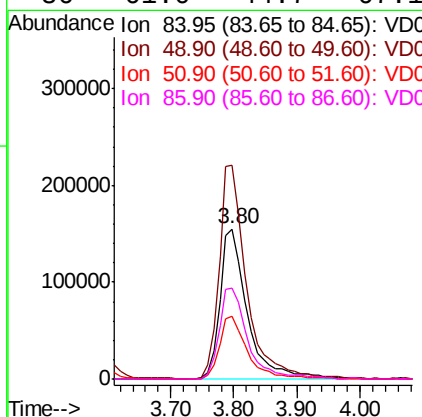
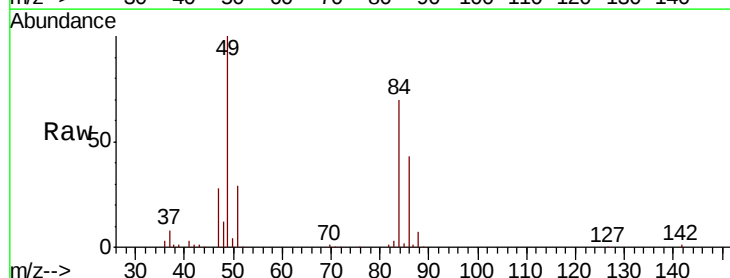
Tot Ion: 73 Resp: 1114890
 Ion Ratio Lower Upper
 73 100
 57 17.7 13.5 20.3

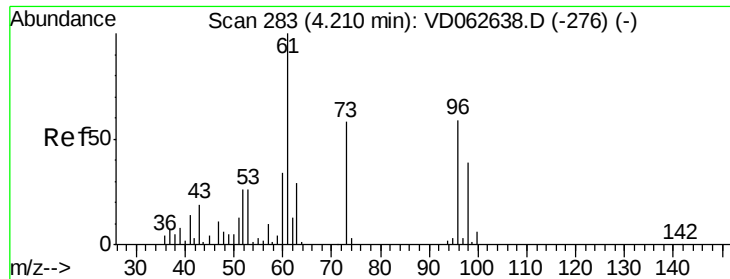


#20

Methylene Chloride
 Concen: 61.906 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion: 84 Resp: 467387
 Ion Ratio Lower Upper
 84 100
 49 142.5 111.2 166.8
 51 41.5 31.9 47.9
 86 61.0 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 65.427 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

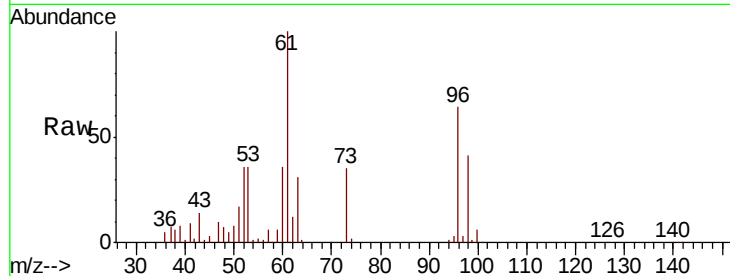
Tot Ion: 96 Resp: 490809

Ion Ratio Lower Upper

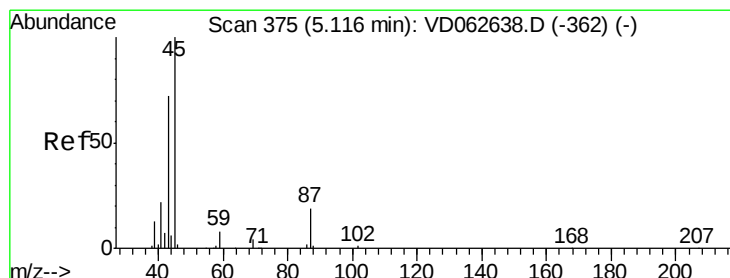
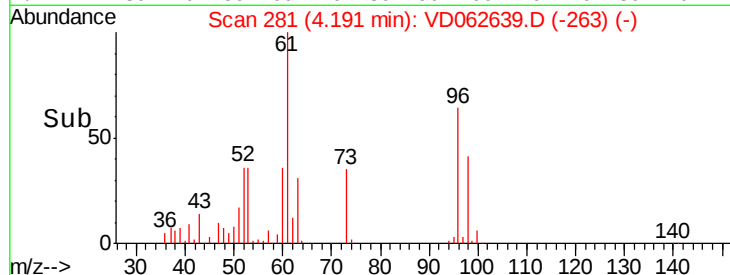
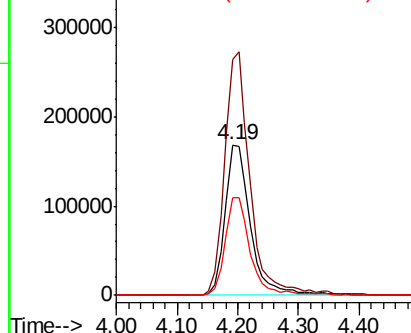
96 100

61 157.2 134.6 201.8

98 65.0 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: 71.105 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion: 45 Resp: 1498497

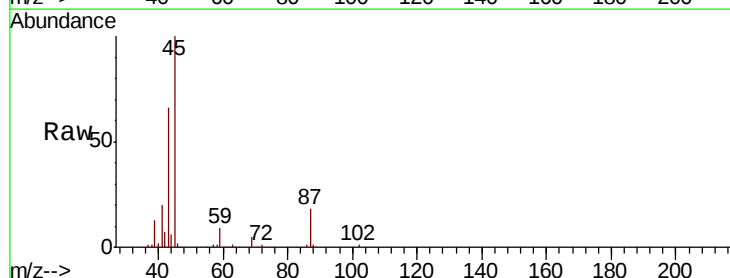
Ion Ratio Lower Upper

45 100

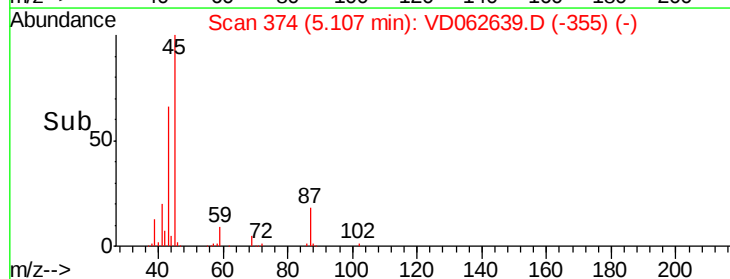
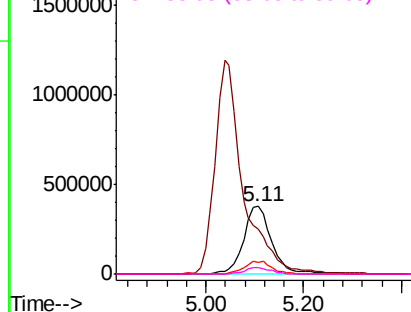
43 66.1 58.8 88.2

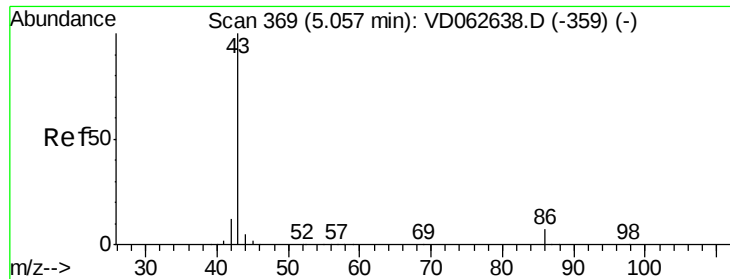
87 18.1 15.7 23.5

59 9.4 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: 354.939 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

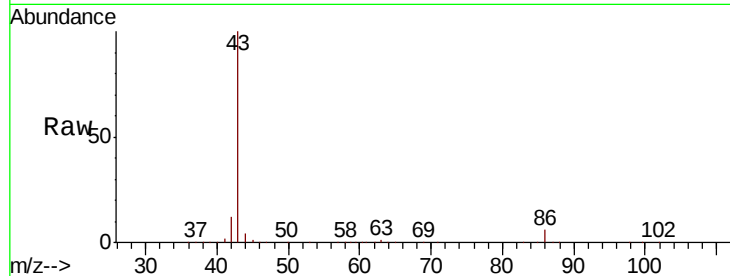
VSTDIC075

Tot Ion: 43 Resp: 4719899

Ion Ratio Lower Upper

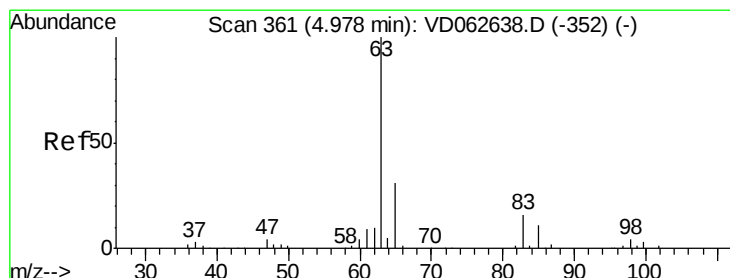
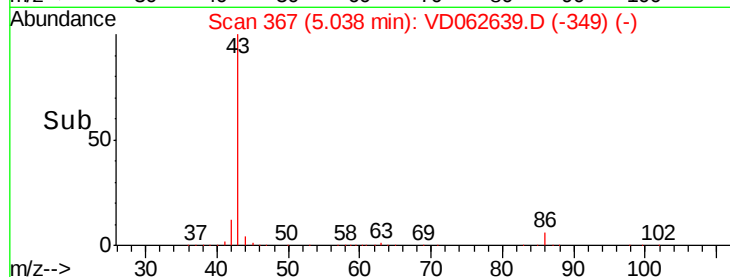
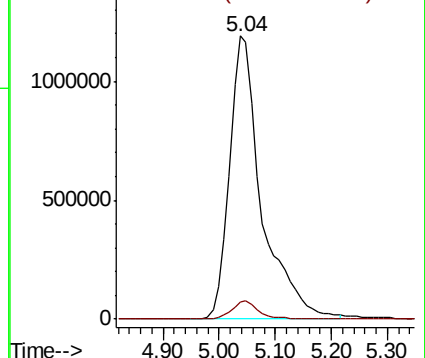
43 100

86 5.9 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: 66.740 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.02 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

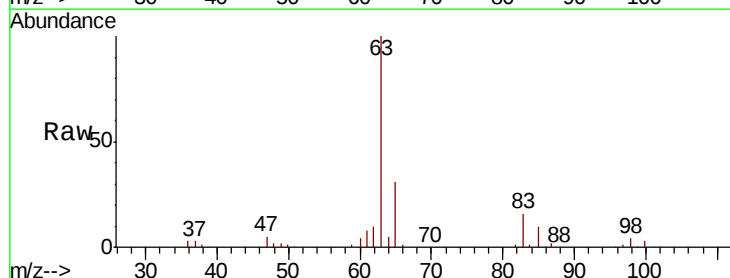
Tgt Ion: 63 Resp: 928722

Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.4

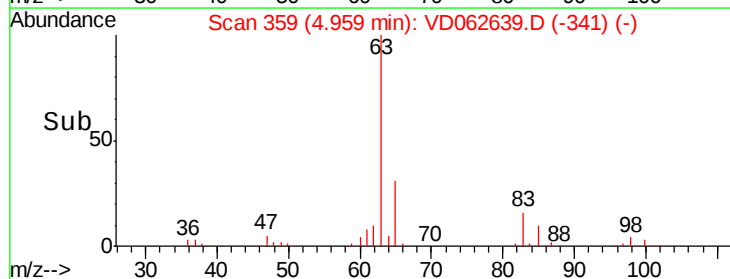
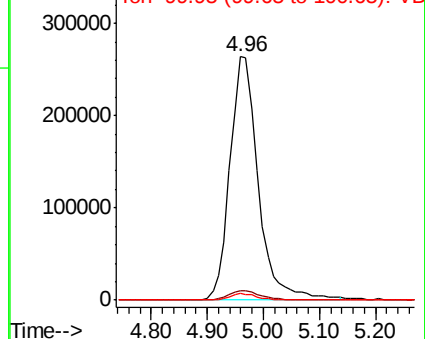
100 2.6 1.5 4.4



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: 338.461 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

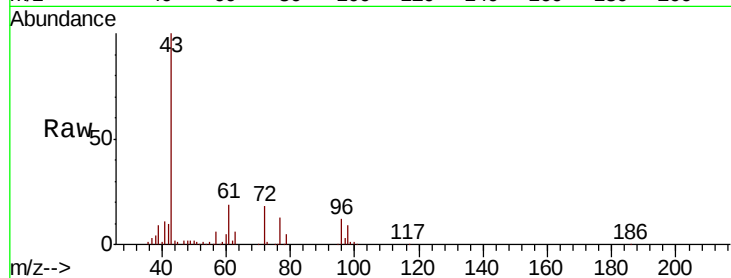
VSTDIC075

Tot Ion: 43 Resp: 667876

Ion Ratio Lower Upper

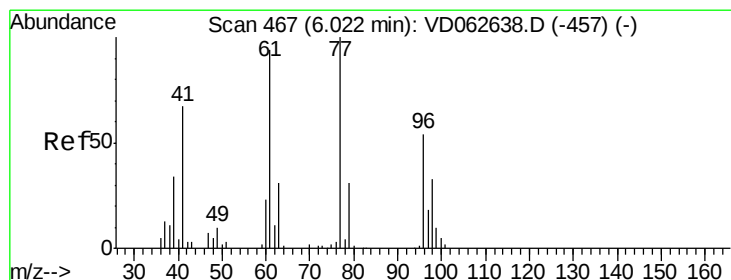
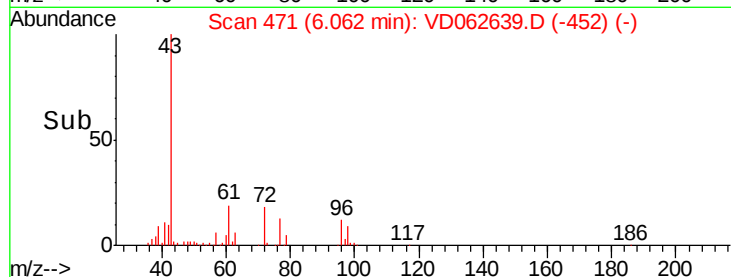
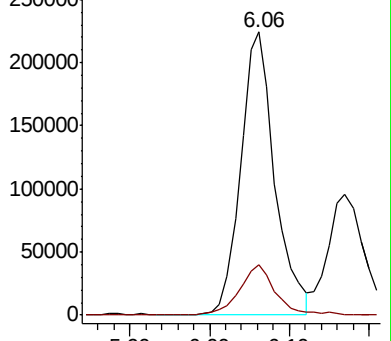
43 100

72 17.6 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: 63.797 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD062639.D

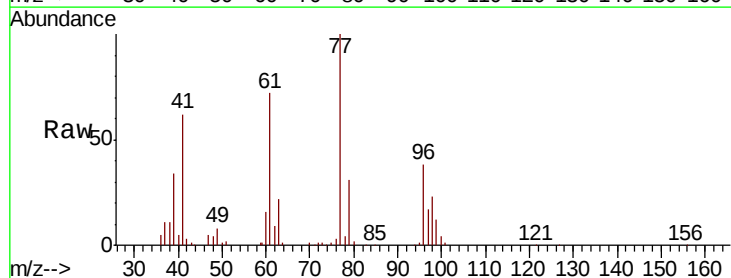
Acq: 7 Jun 2019 12:42

Tgt Ion: 77 Resp: 1027047

Ion Ratio Lower Upper

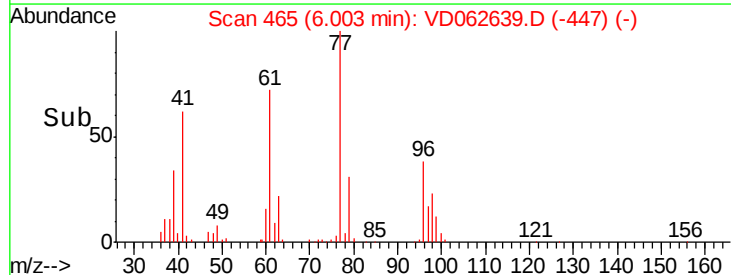
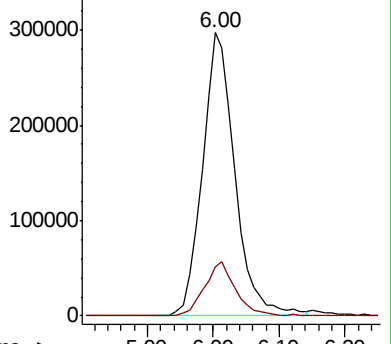
77 100

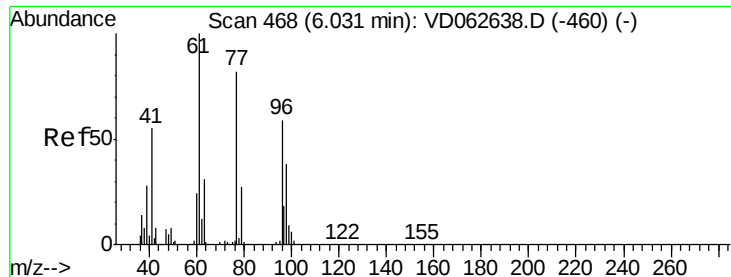
97 17.4 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



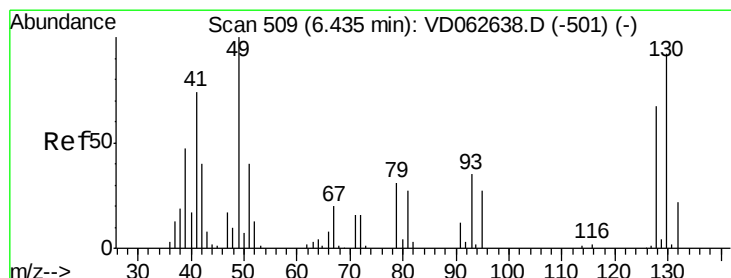
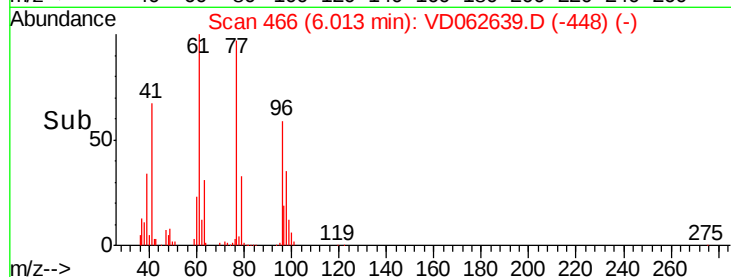
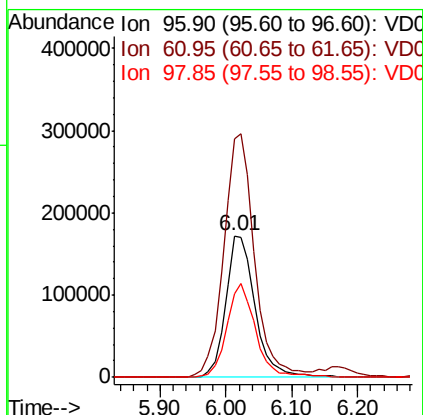
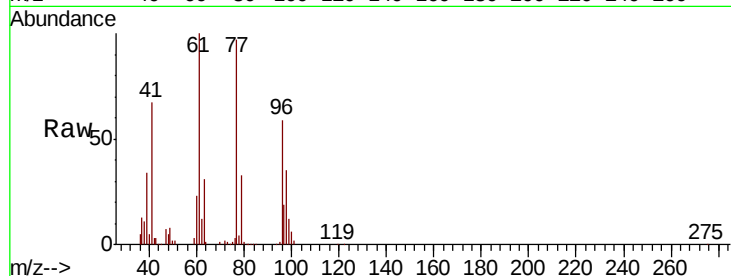


#27

cis-1,2-Dichloroethene
 Concen: 67.201 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

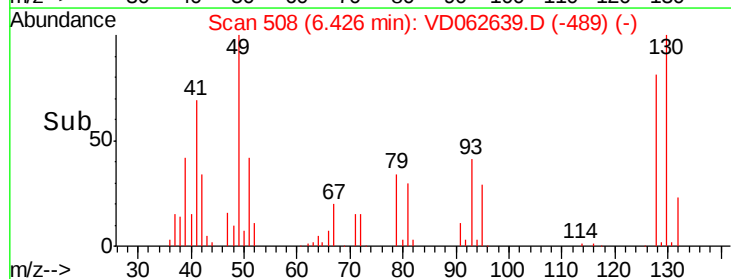
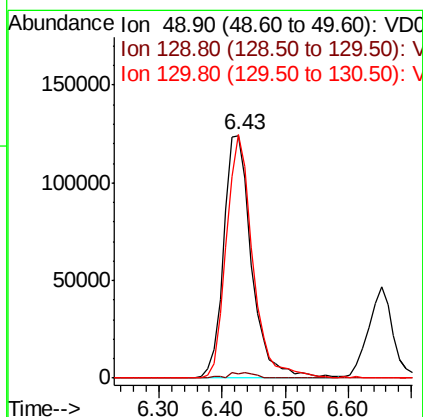
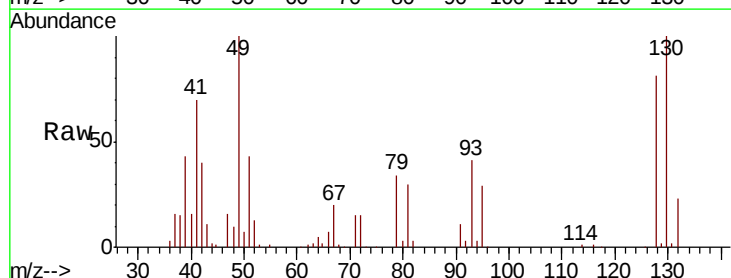
Tot Ion	Ratio	Lower	Upper
96	100		
61	168.8	0.0	340.0
98	59.3	0.0	127.6



#28

Bromochloromethane
 Concen: 76.626 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	8.2
130	100.3	73.4	110.0





#29

Tetrahydrofuran

Concen: 334.973 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

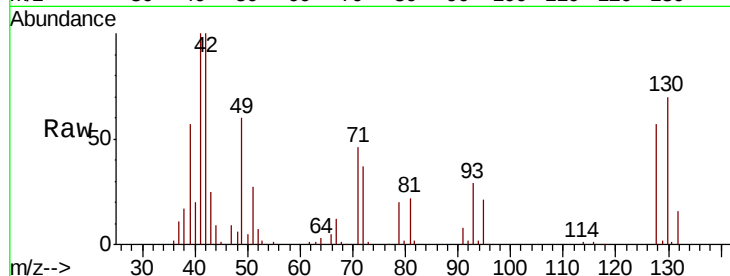
Tot Ion: 42 Resp: 297448

Ion Ratio Lower Upper

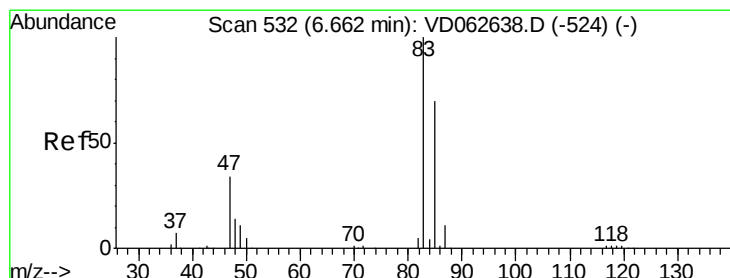
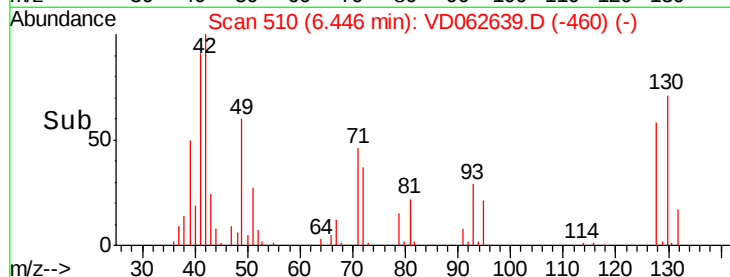
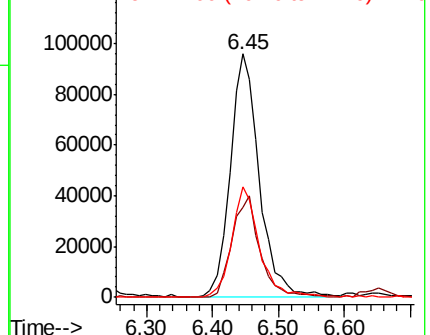
42 100

72 40.2 33.8 50.6

71 42.7 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: 67.114 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062639.D

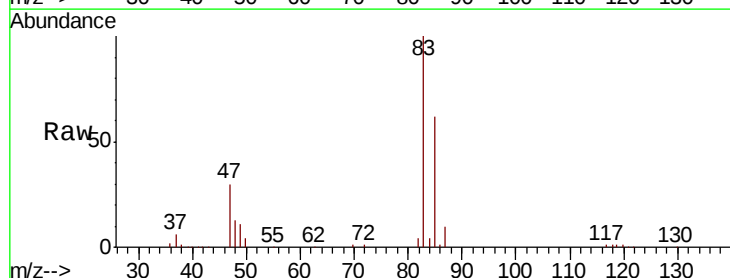
Acq: 7 Jun 2019 12:42

Tgt Ion: 83 Resp: 1202186

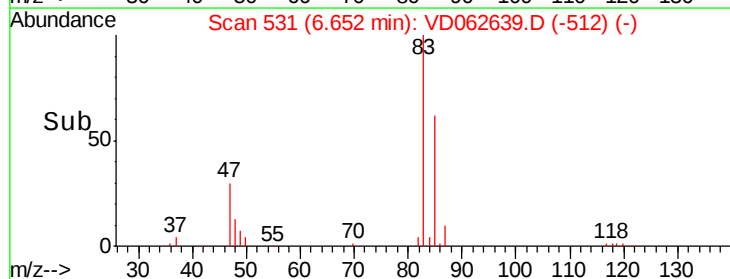
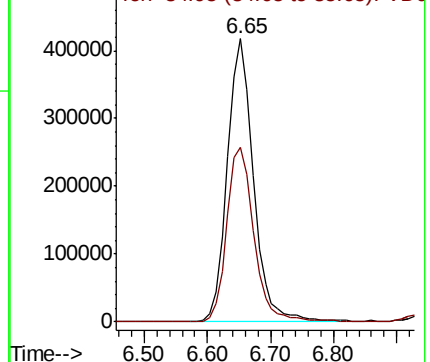
Ion Ratio Lower Upper

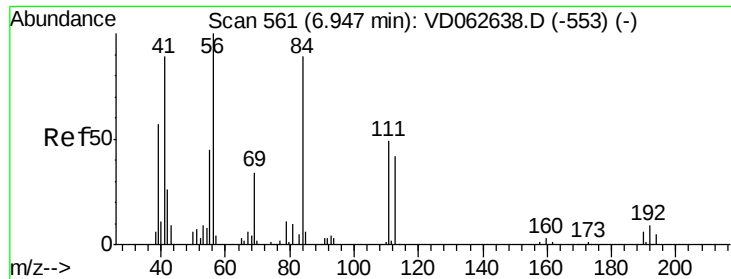
83 100

85 61.8 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

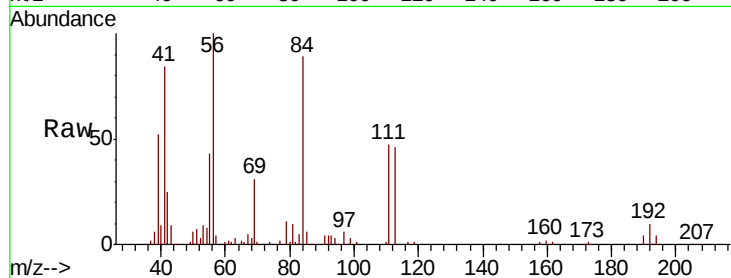




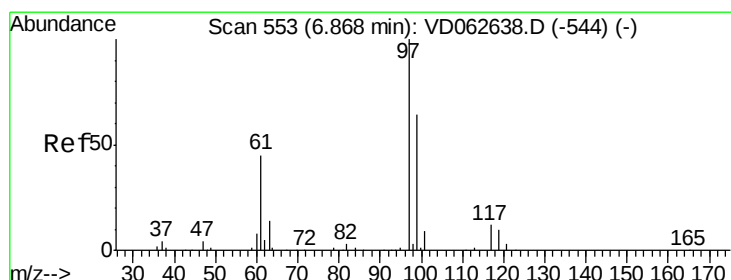
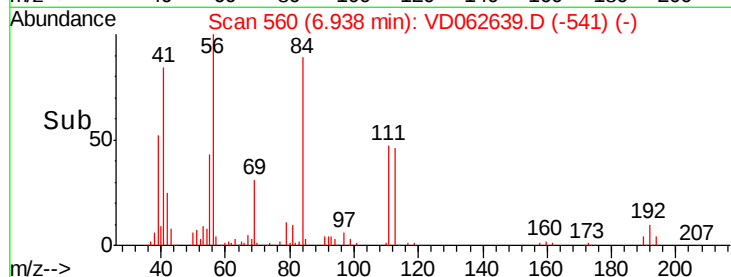
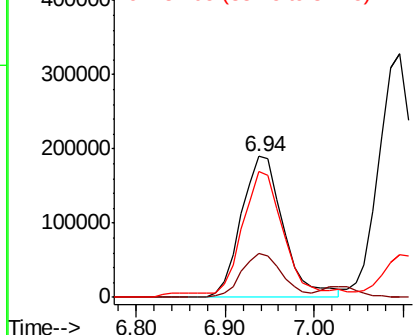
#31
Cyclohexane
Concen: 73.298 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 625141
Ion Ratio Lower Upper
56 100
69 31.4 26.8 40.2
84 89.1 73.9 110.9

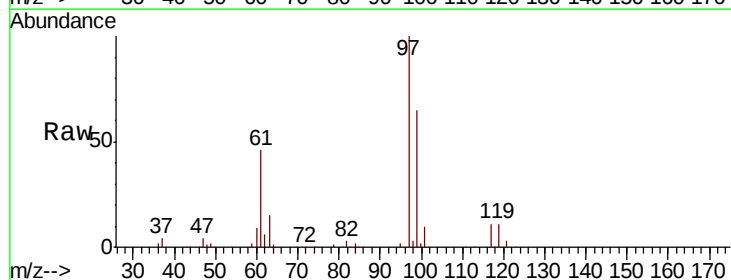


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

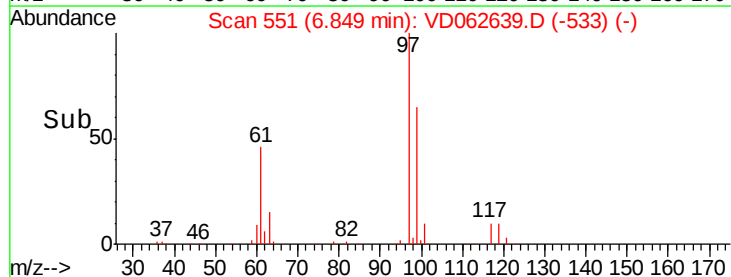
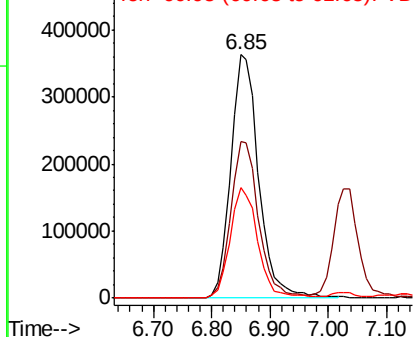


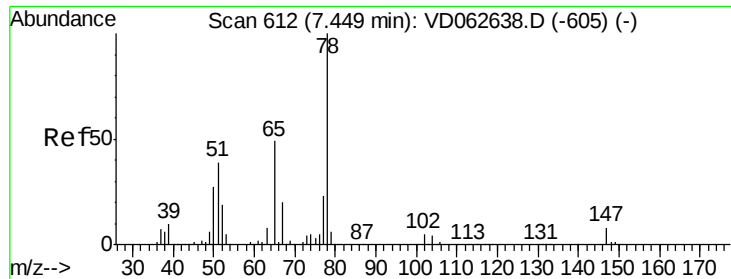
#32
1,1,1-Trichloroethane
Concen: 66.679 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.02 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 97 Resp: 1207918
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.0
61 45.5 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: 69.054 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

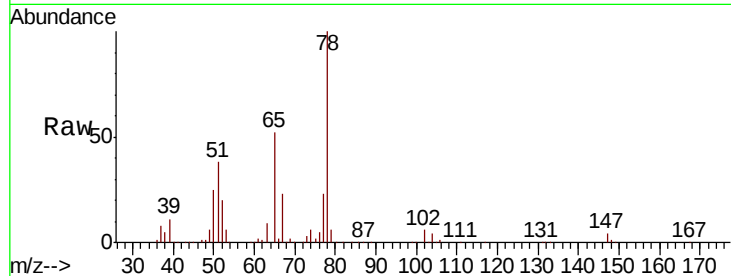
VSTDIC075

Tot Ion: 65 Resp: 752362

Ion Ratio Lower Upper

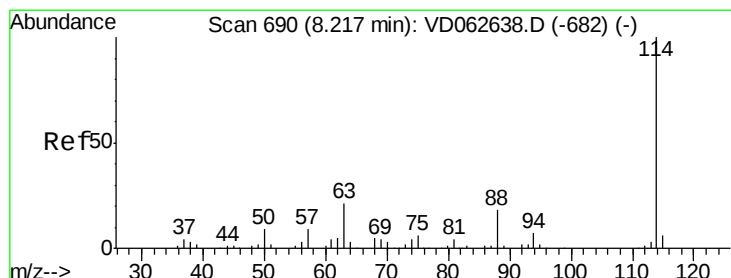
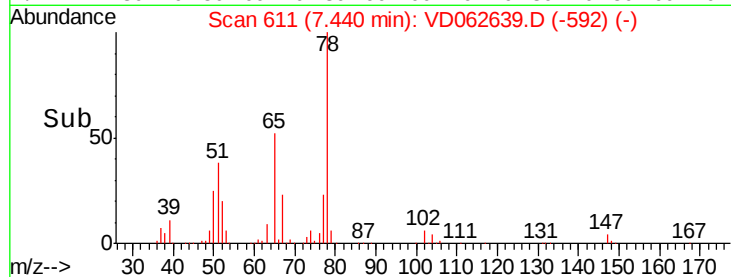
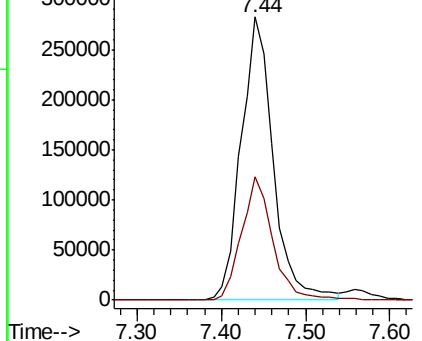
65 100

67 43.7 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

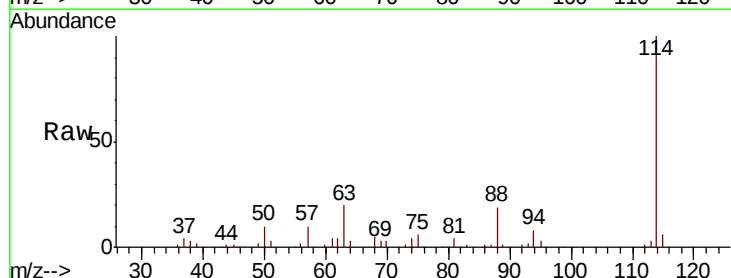
Tgt Ion: 114 Resp: 978380

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

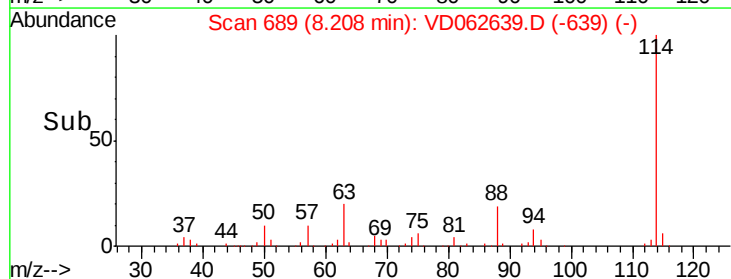
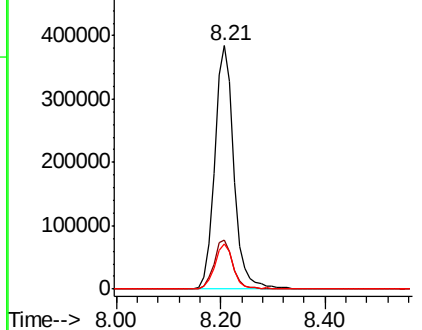
88 18.8 0.0 36.8

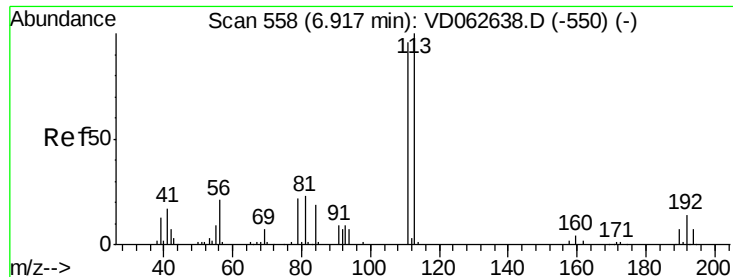


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 74.414 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

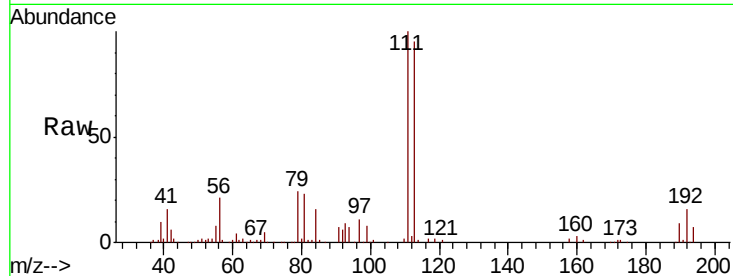
Tot Ion:113 Resp: 767991

Ion Ratio Lower Upper

113 100

111 105.0 76.4 114.6

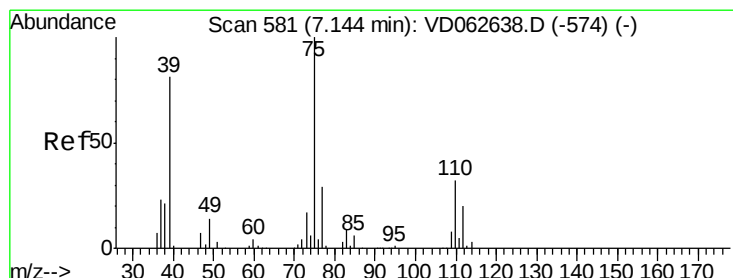
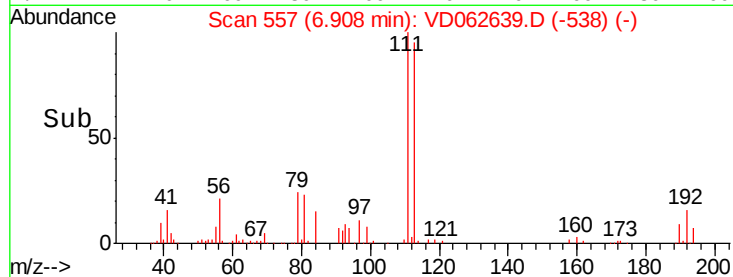
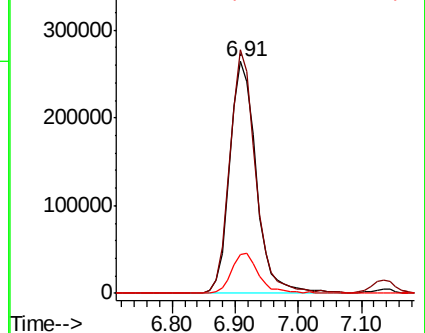
192 16.9 11.4 17.0



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: 63.469 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

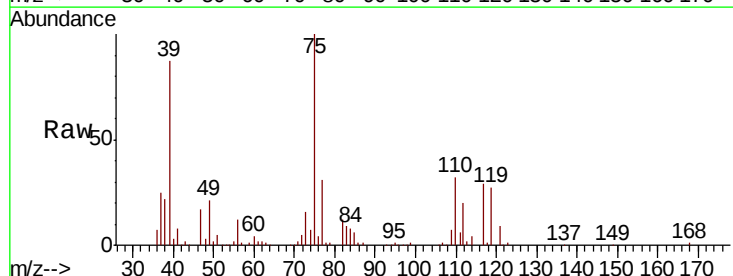
Tgt Ion: 75 Resp: 739562

Ion Ratio Lower Upper

75 100

110 32.0 15.9 47.7

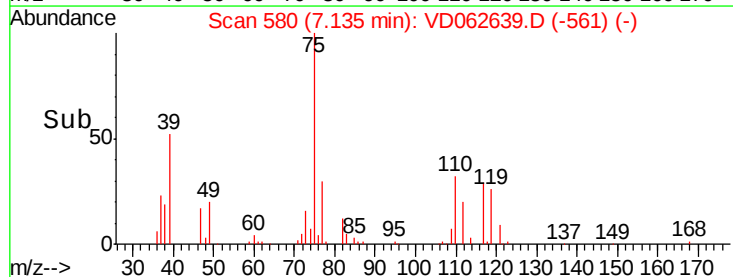
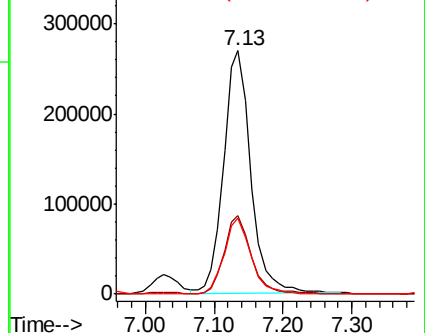
77 31.0 23.3 34.9

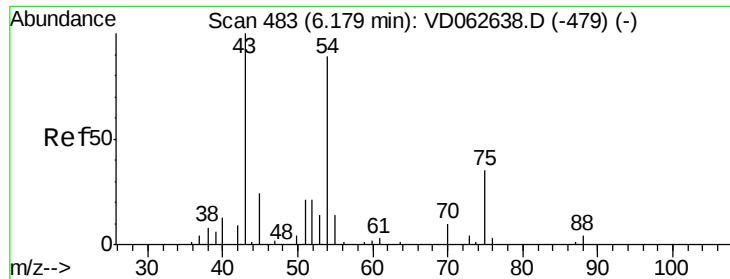


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 60.447 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

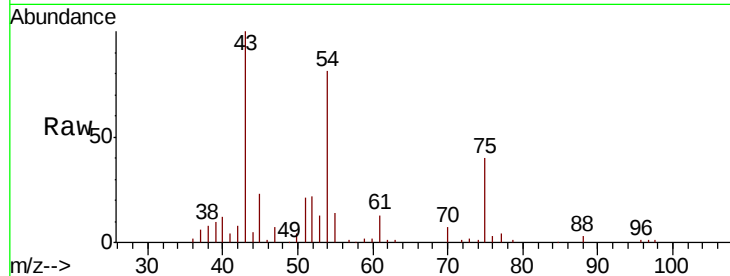
Tot Ion: 43 Resp: 307062

Ion Ratio Lower Upper

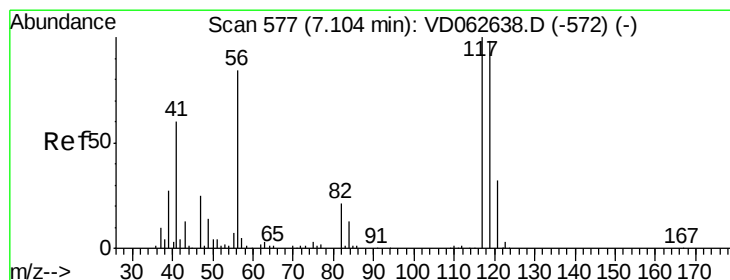
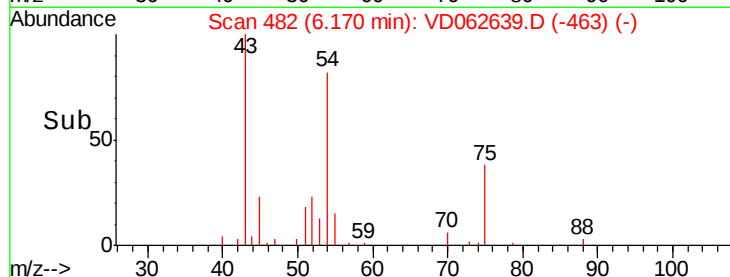
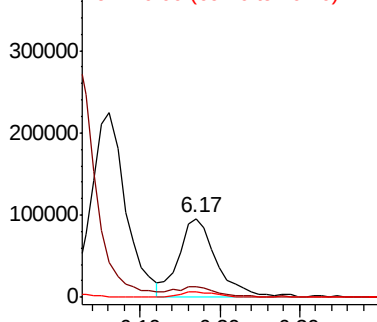
43 100

61 13.1 8.7 13.1

70 6.7 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: 67.626 ug/l

RT: 7.10 min Scan# 576

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

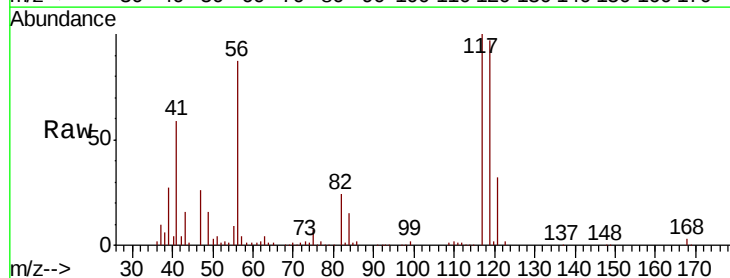
Tgt Ion: 117 Resp: 1243804

Ion Ratio Lower Upper

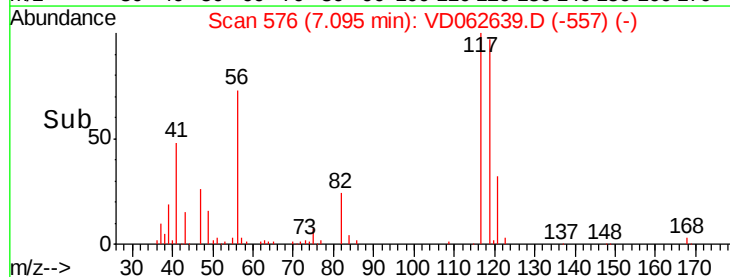
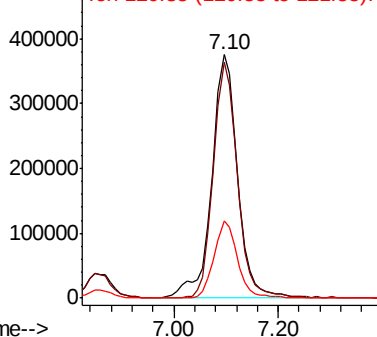
117 100

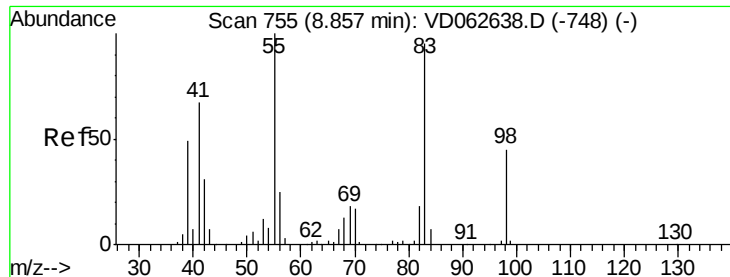
119 96.9 73.5 110.3

121 31.7 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

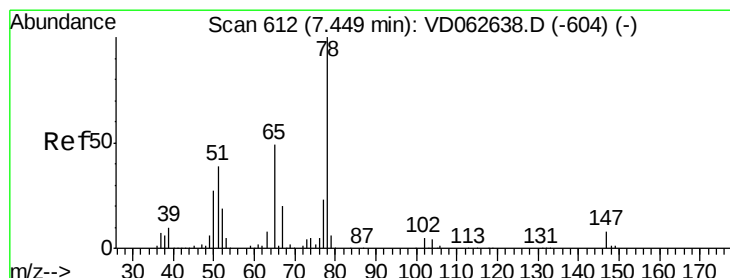
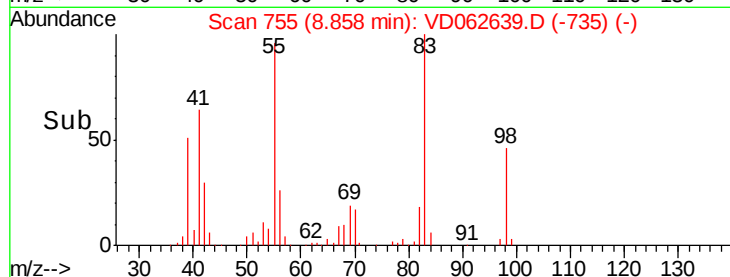
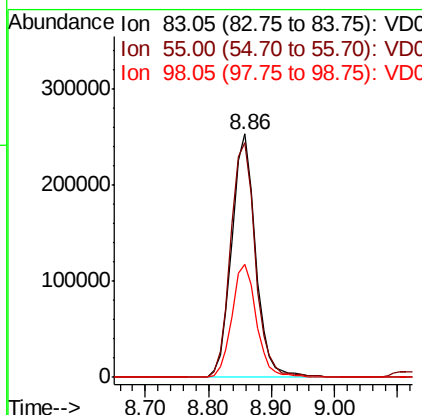
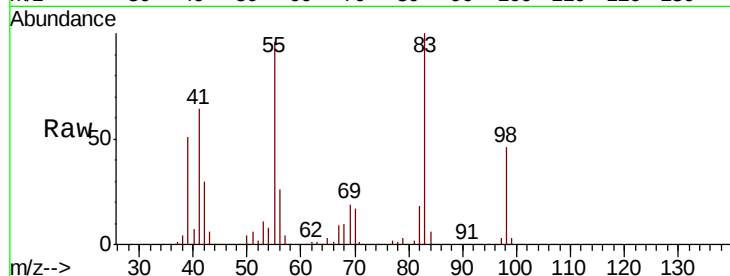




#39
Methvlcvclohexane
Concen: 71.468 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

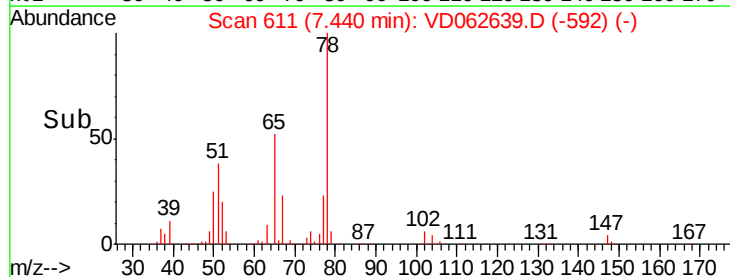
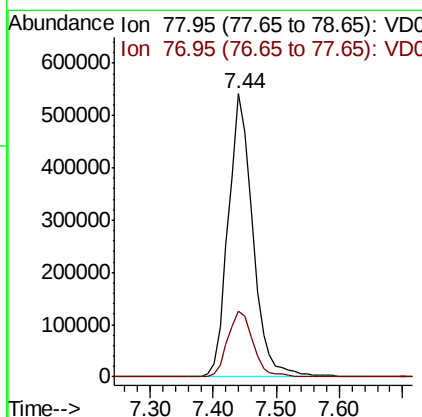
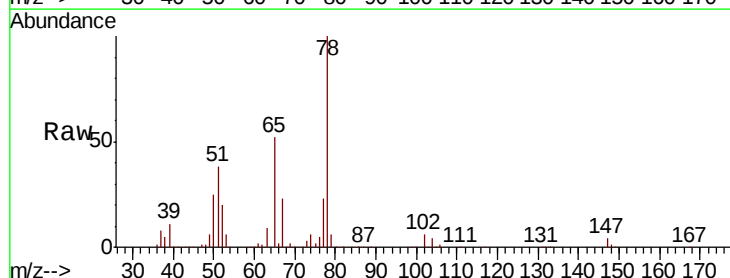
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 662710
Ion Ratio Lower Upper
83 100
55 96.4 84.6 127.0
98 46.2 38.2 57.4



#40
Benzene
Concen: 65.670 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 78 Resp: 1457648
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0





#41

Methacrylonitrile

Concen: 66.607 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 405516

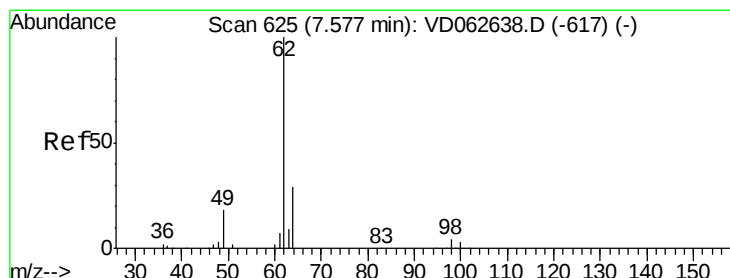
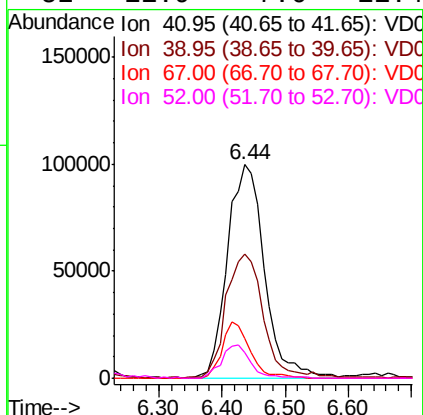
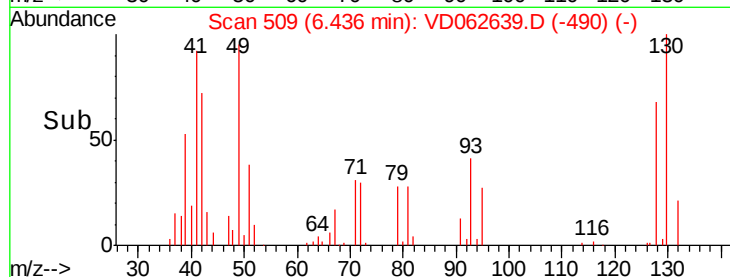
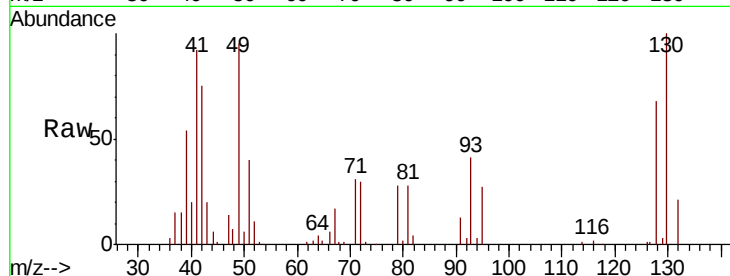
Ion Ratio Lower Upper

41 100

39 58.4 49.2 73.8

67 18.5 13.9 20.9

52 11.9 7.6 11.4#



#42

1,2-Dichloroethane

Concen: 70.246 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD062639.D

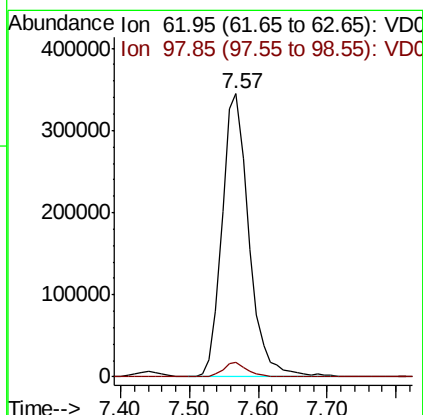
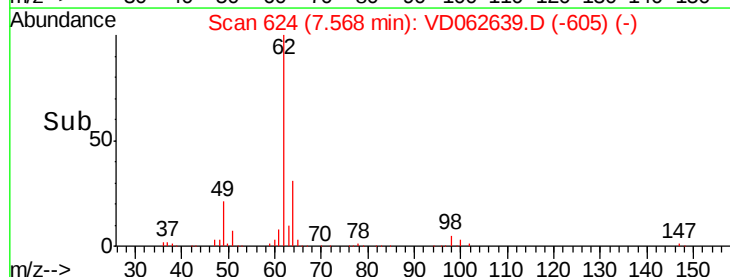
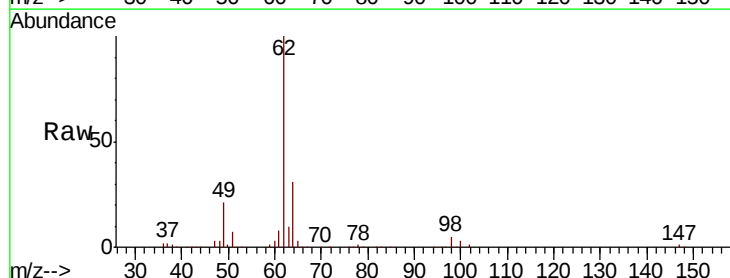
Acq: 7 Jun 2019 12:42

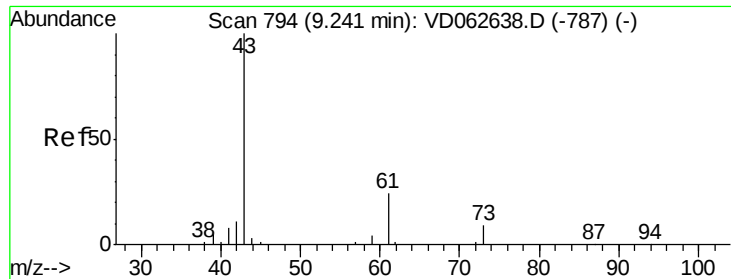
Tgt Ion: 62 Resp: 935105

Ion Ratio Lower Upper

62 100

98 5.3 0.0 7.4





#43

Isopropyl Acetate

Concen: 74.987 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

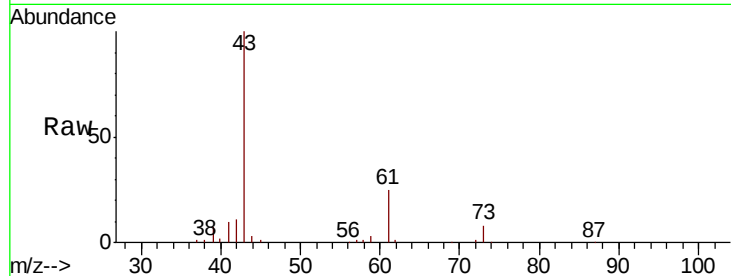
Tot Ion: 43 Resp: 447291

Ion Ratio Lower Upper

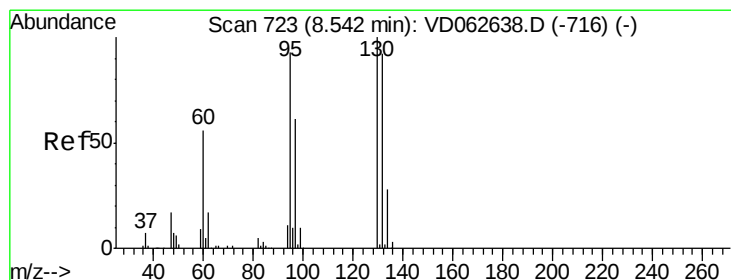
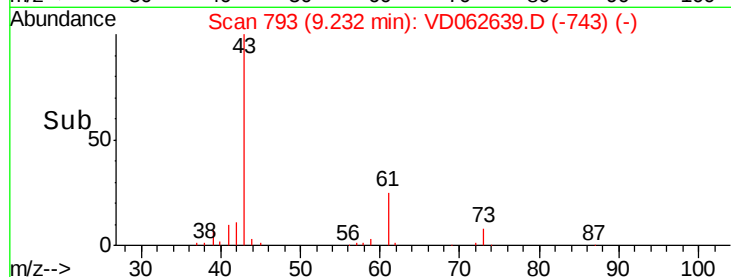
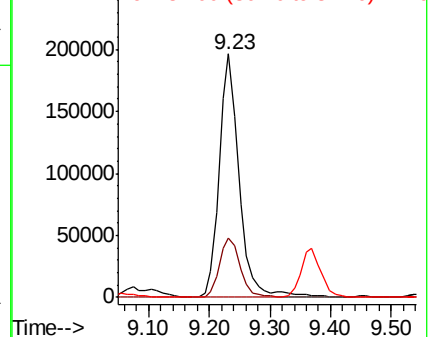
43 100

61 24.6 19.0 28.6

87 0.4 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: 68.821 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062639.D

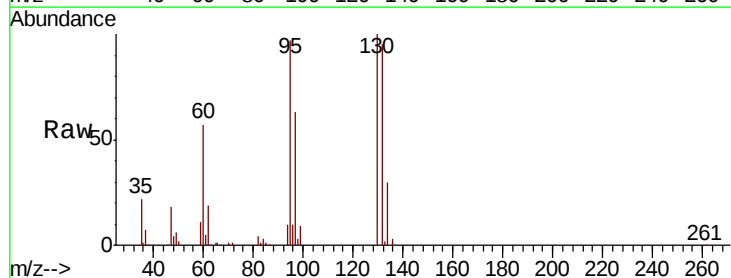
Acq: 7 Jun 2019 12:42

Tgt Ion:130 Resp: 630573

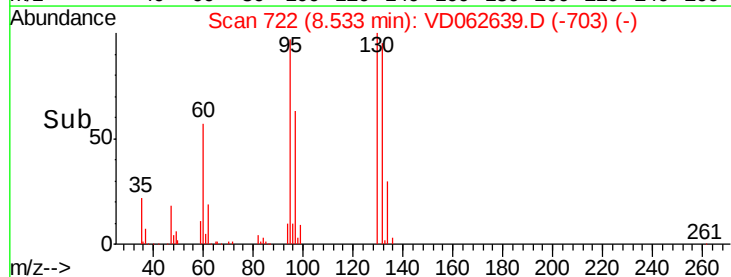
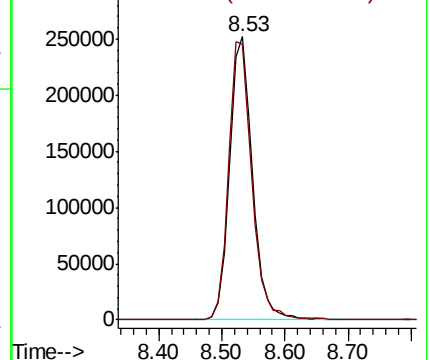
Ion Ratio Lower Upper

130 100

95 97.3 0.0 185.6



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





#45

1,2-Dichloropropane

Concen: 68.753 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

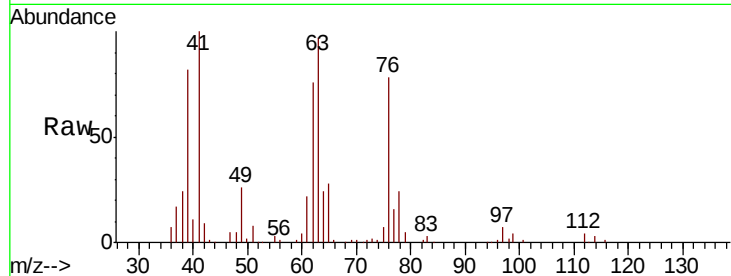
VSTDIC075

Tot Ion: 63 Resp: 370224

Ion Ratio Lower Upper

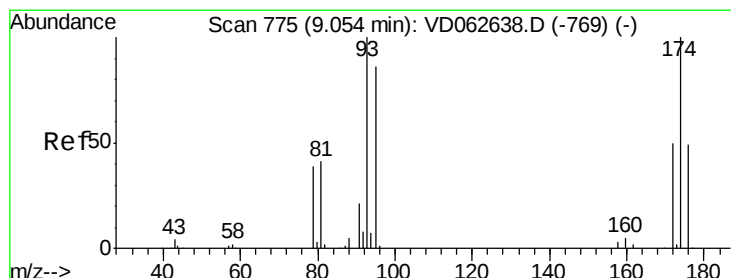
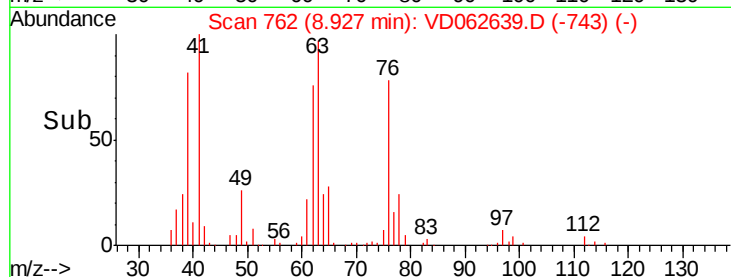
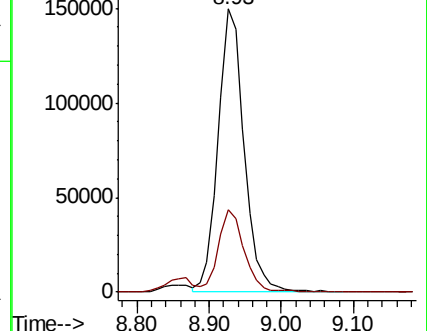
63 100

65 28.9 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: 70.192 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

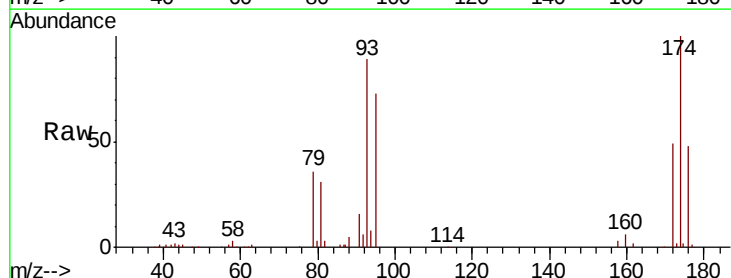
Tgt Ion: 93 Resp: 338503

Ion Ratio Lower Upper

93 100

95 81.2 68.7 103.1

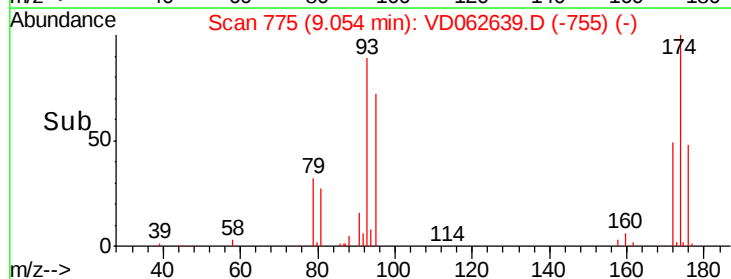
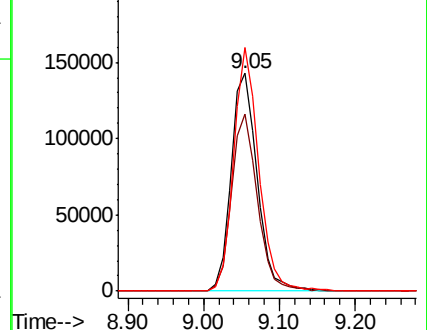
174 111.9 79.8 119.8

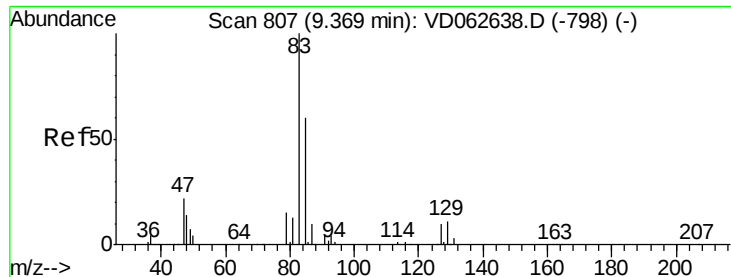


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 70.357 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

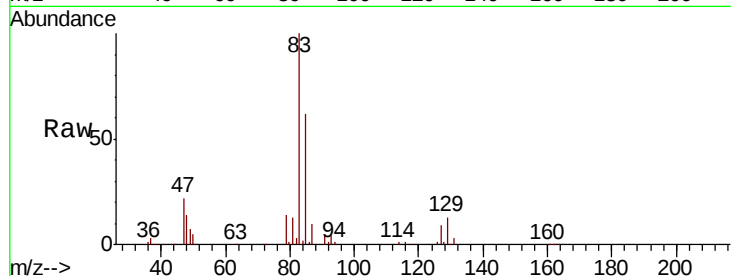
Tot Ion: 83 Resp: 921194

Ion Ratio Lower Upper

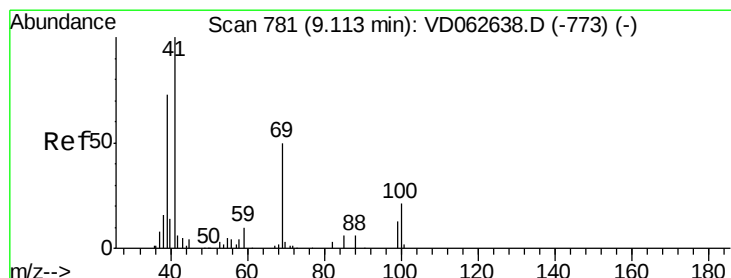
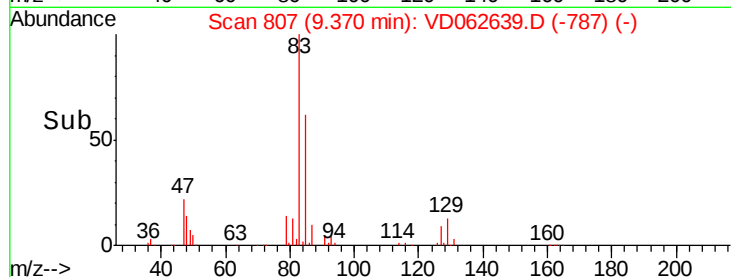
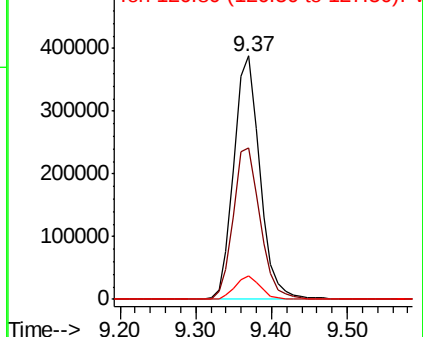
83 100

85 62.1 47.9 71.9

127 9.5 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: 65.351 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

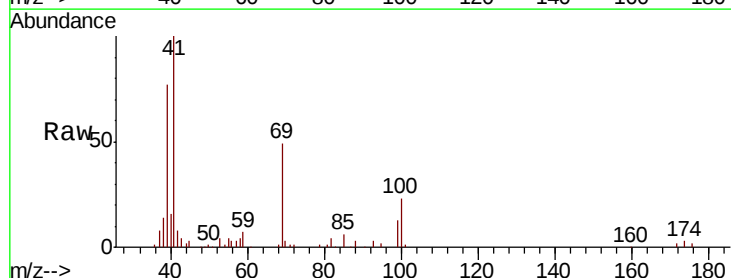
Tgt Ion: 41 Resp: 290195

Ion Ratio Lower Upper

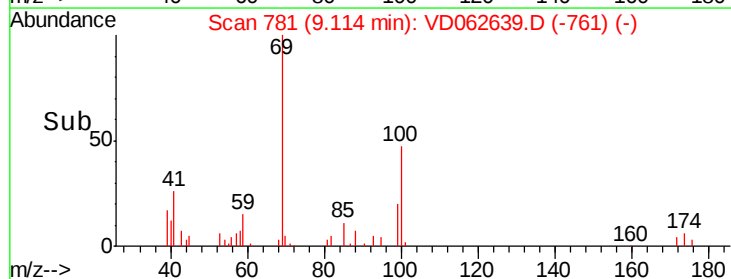
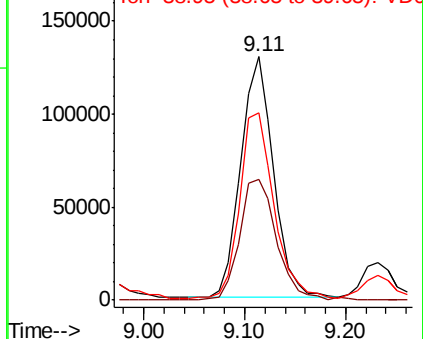
41 100

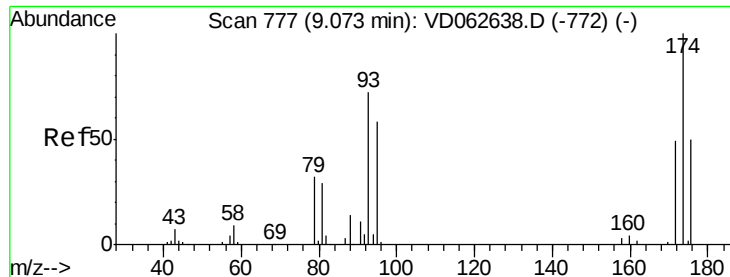
69 49.5 39.8 59.6

39 77.1 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

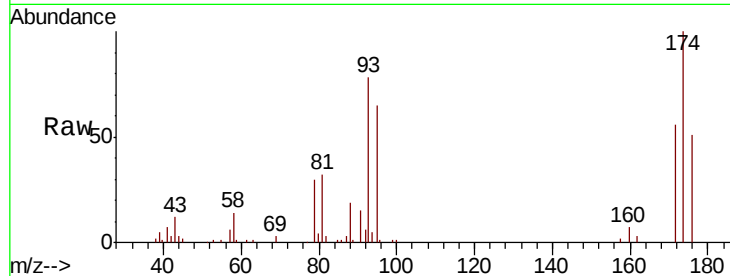




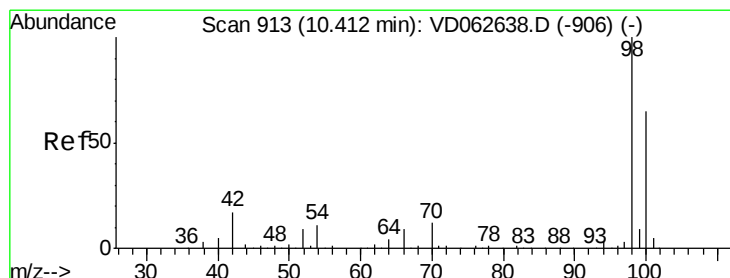
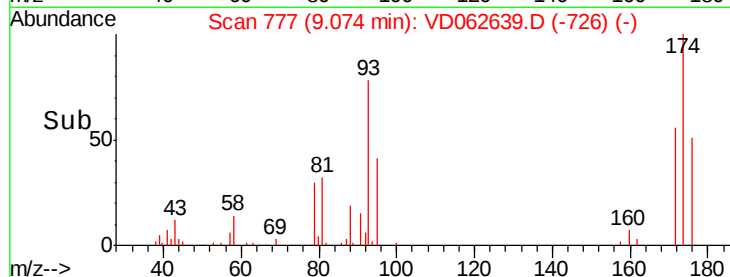
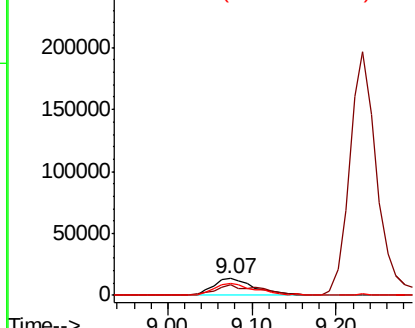
#49
1,4-Dioxane
Concen: 1318.470 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 88 Resp: 46250
Ion Ratio Lower Upper
88 100
43 60.3 40.7 61.1
58 73.7 54.2 81.4

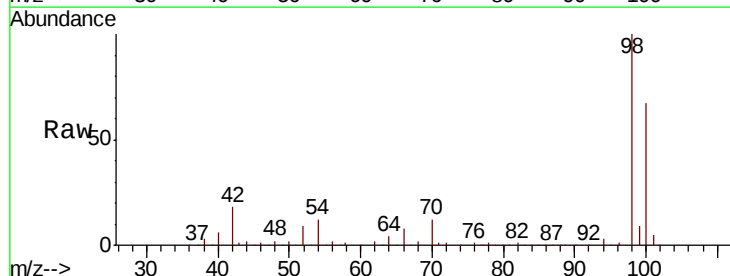


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

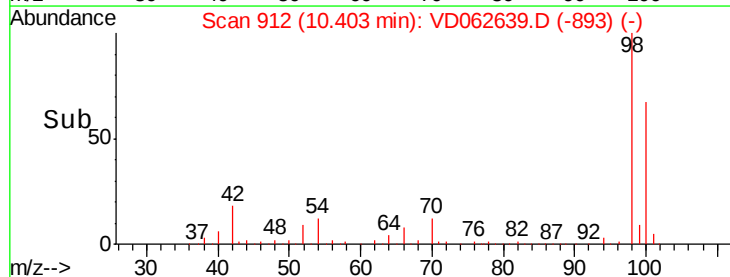
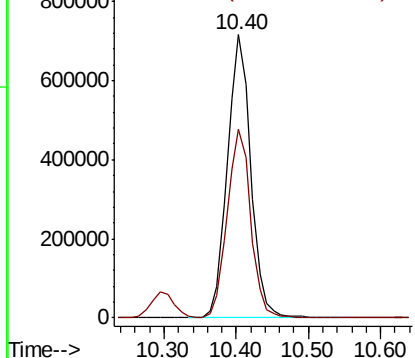


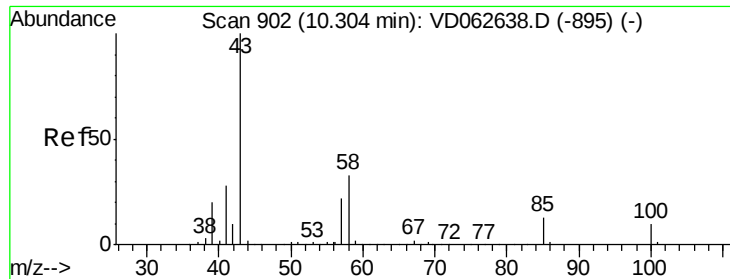
#50
Toluene-d8
Concen: 73.528 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 98 Resp: 1615802
Ion Ratio Lower Upper
98 100
100 66.6 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: 349.752 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

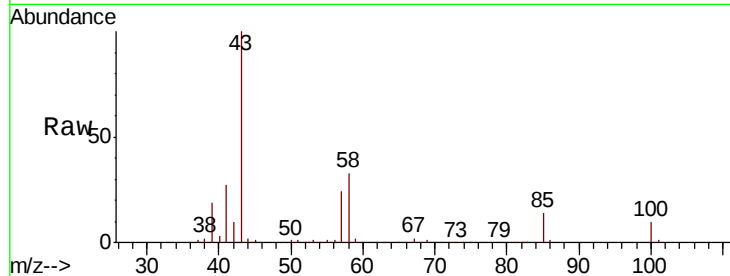
VSTDIC075

Tot Ion: 43 Resp: 1481364

Ion Ratio Lower Upper

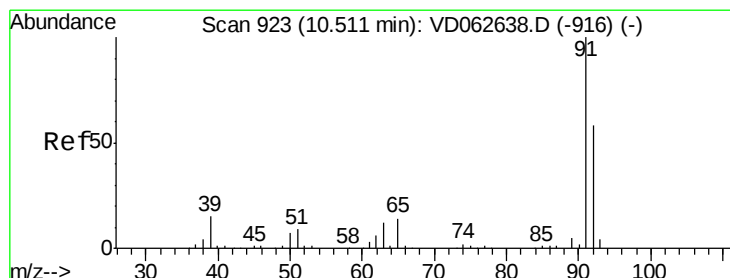
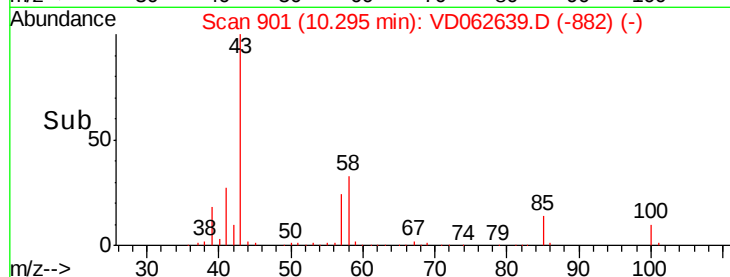
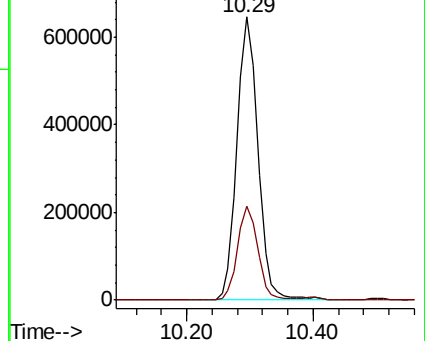
43 100

58 33.3 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 68.178 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062639.D

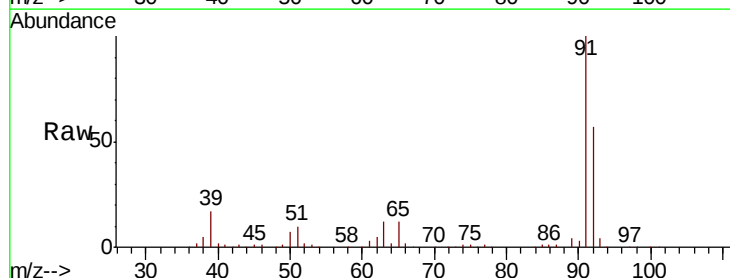
Acq: 7 Jun 2019 12:42

Tgt Ion: 92 Resp: 1035520

Ion Ratio Lower Upper

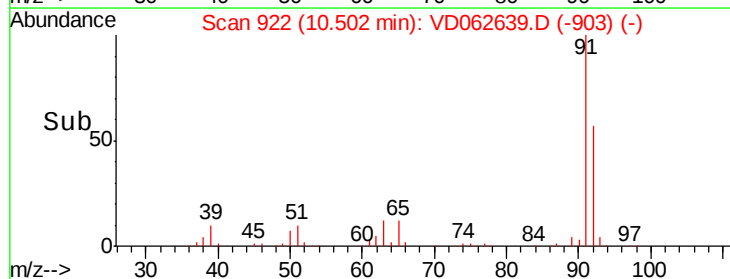
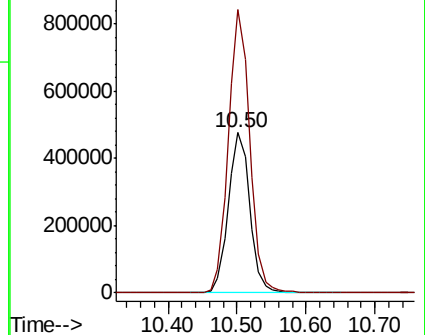
92 100

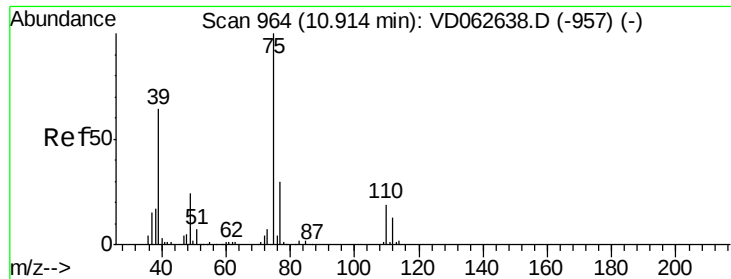
91 176.6 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 69.474 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

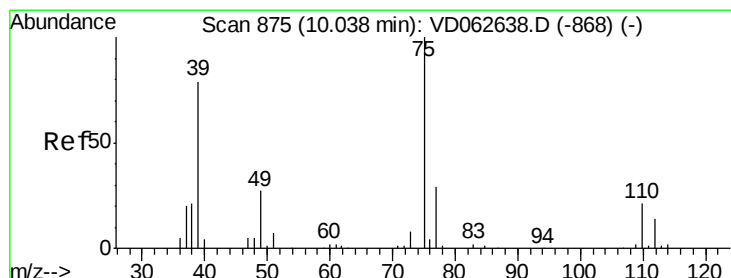
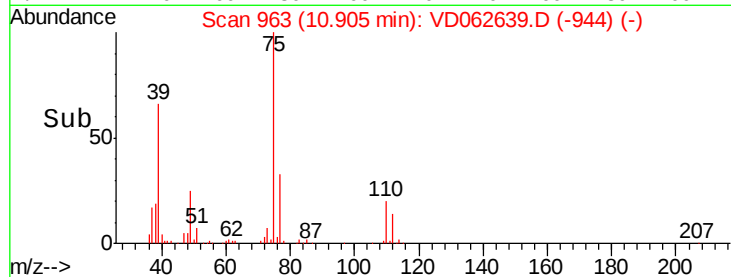
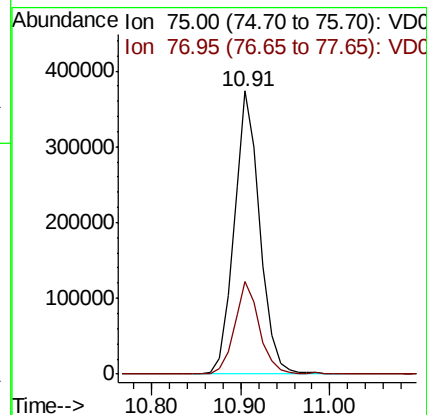
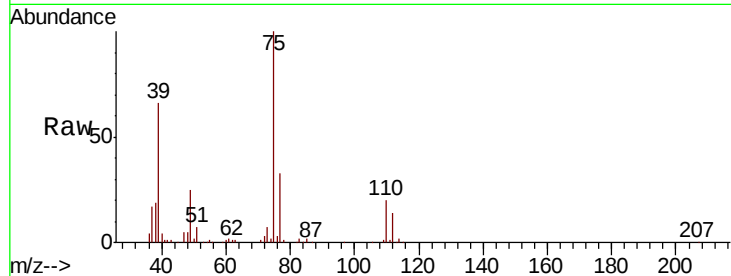
VSTDIC075

Tot Ion: 75 Resp: 748747

Ion Ratio Lower Upper

75 100

77 32.5 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 69.837 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

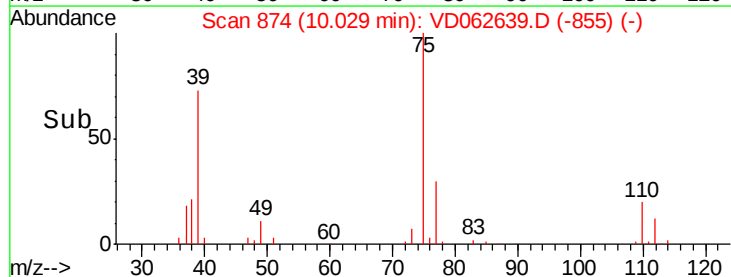
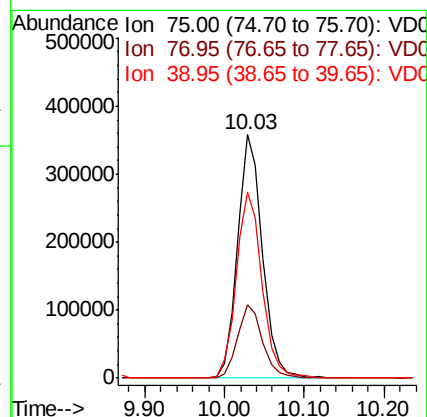
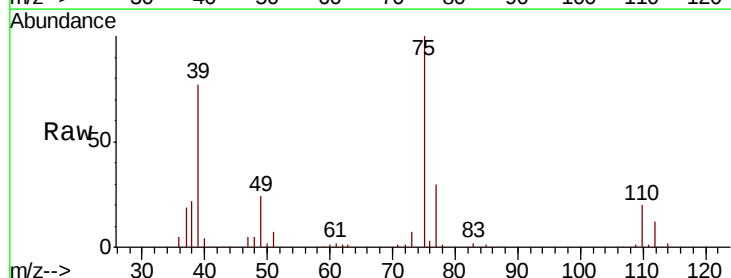
Tgt Ion: 75 Resp: 778801

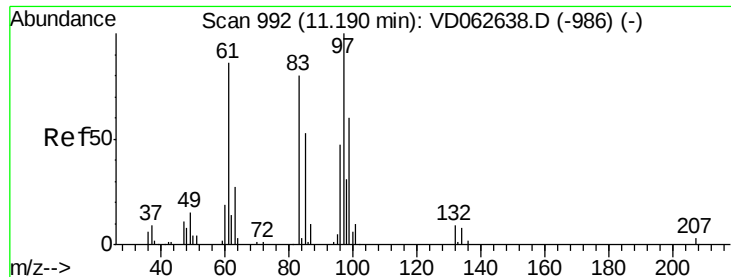
Ion Ratio Lower Upper

75 100

77 29.9 23.1 34.7

39 76.6 63.4 95.2





#55

1,1,2-Trichloroethane

Concen: 70.617 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 358388

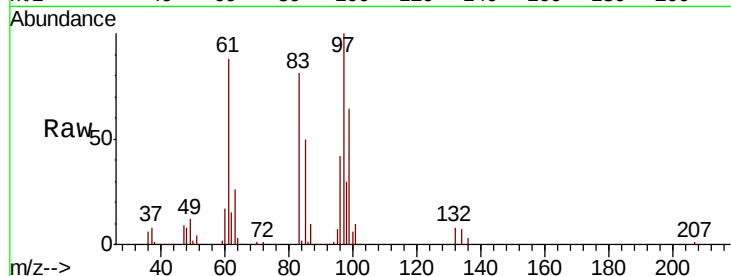
Ion Ratio Lower Upper

97 100

83 80.9 63.8 95.8

85 50.4 42.3 63.5

99 64.2 48.0 72.0

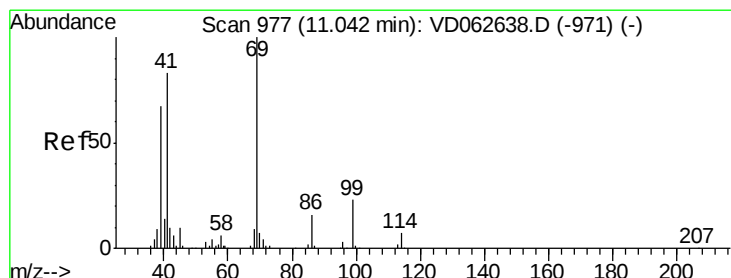
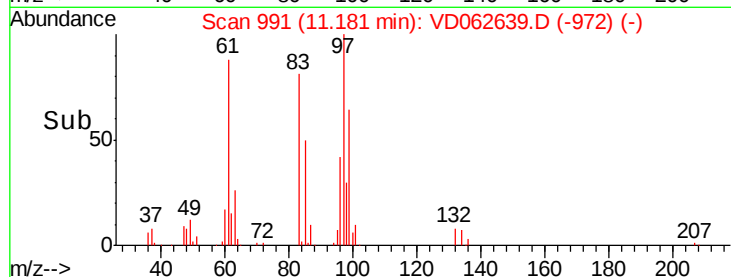
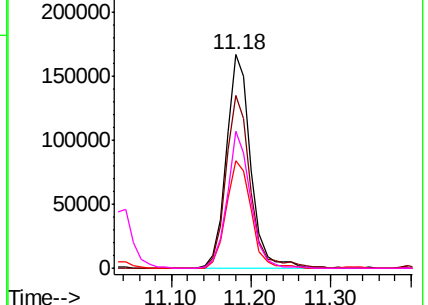


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 68.675 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

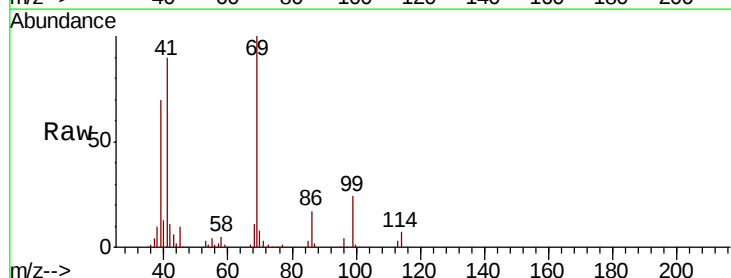
Tgt Ion: 69 Resp: 380969

Ion Ratio Lower Upper

69 100

41 89.8 66.2 99.4

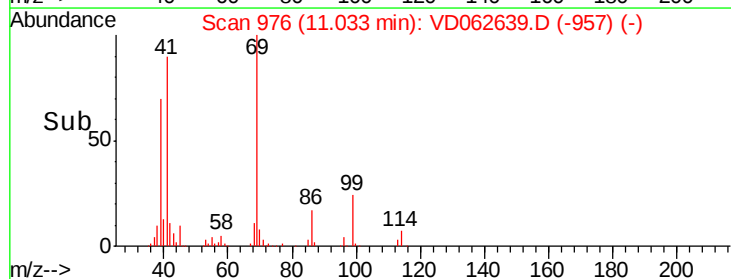
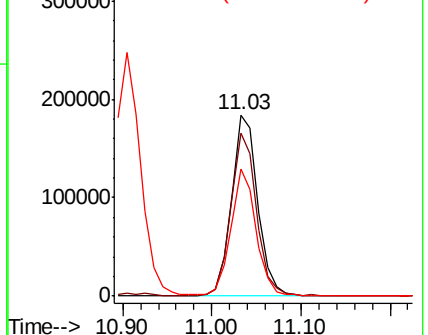
39 69.9 53.8 80.8

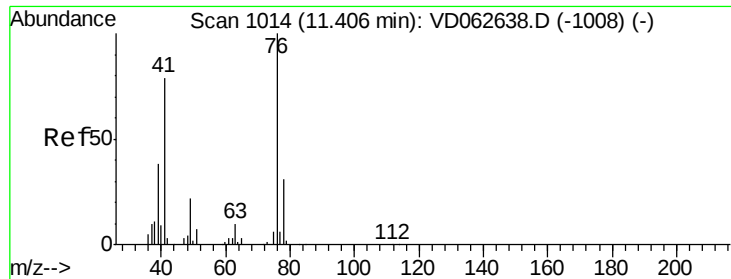


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 70.225 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

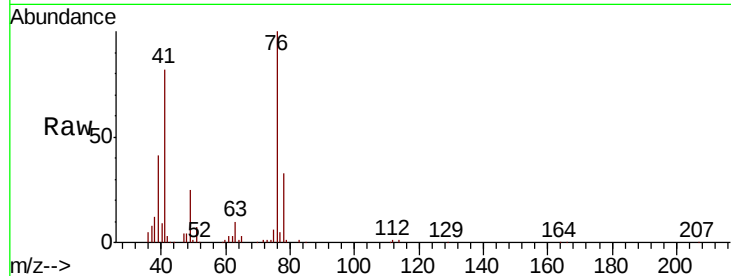
VSTDIC075

Tot Ion: 76 Resp: 560510

Ion Ratio Lower Upper

76 100

78 32.6 24.9 37.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

250000

200000

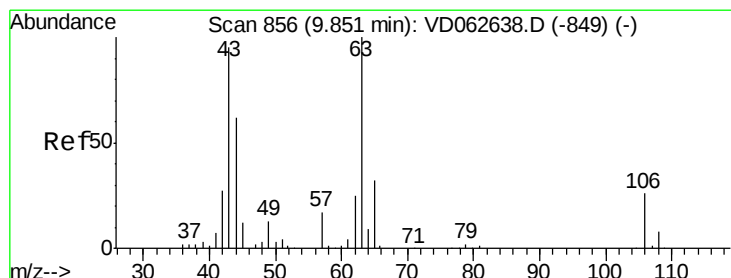
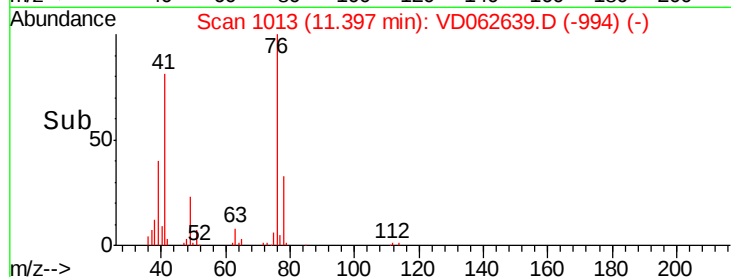
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 316.547 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD062639.D

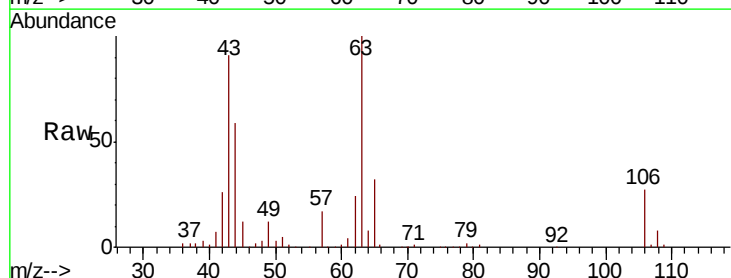
Acq: 7 Jun 2019 12:42

Tgt Ion: 63 Resp: 882538

Ion Ratio Lower Upper

63 100

106 27.3 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

400000

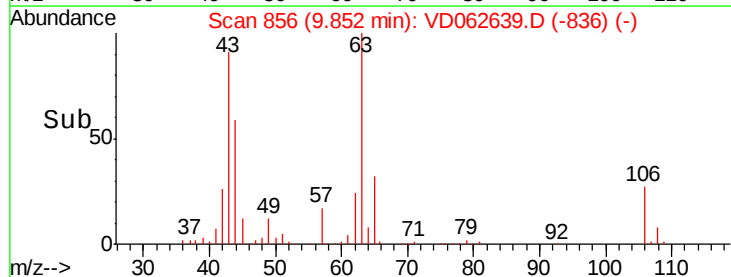
300000

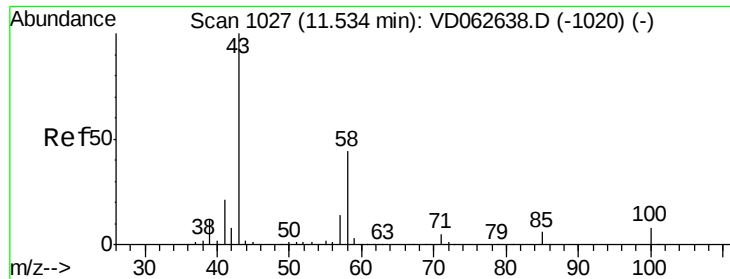
200000

100000

0

Time-->

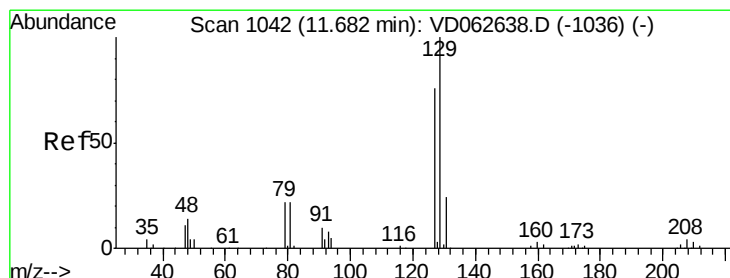
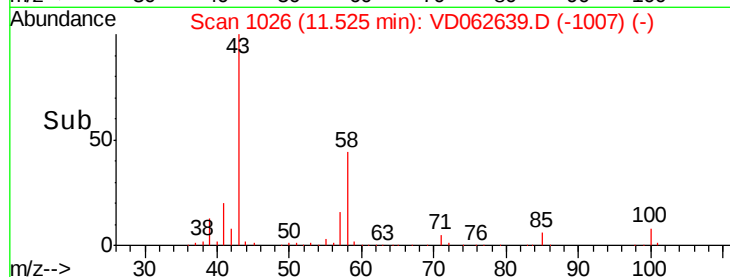
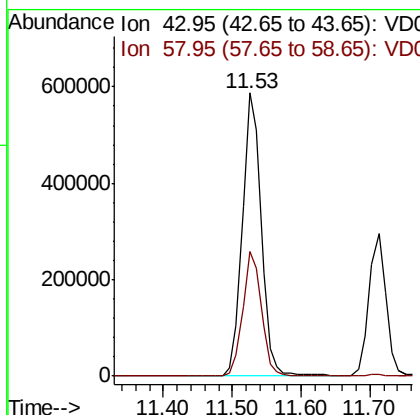
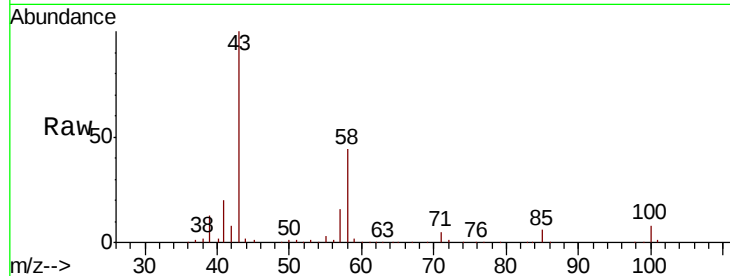




#59
2-Hexanone
Concen: 352.103 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

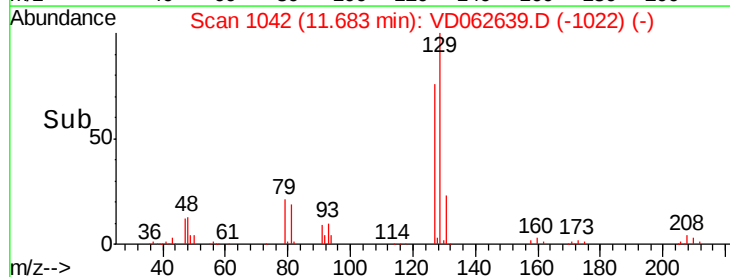
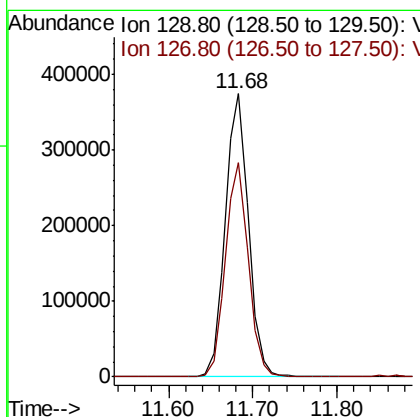
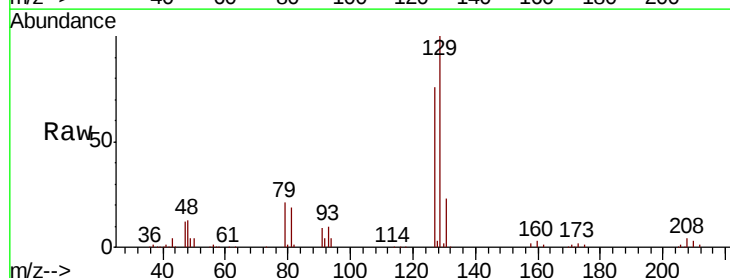
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

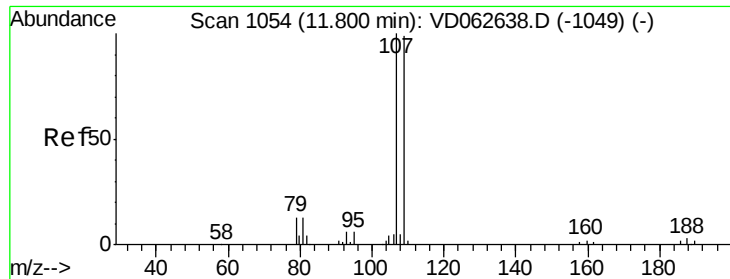
Tot Ion: 43 Resp: 1122542
Ion Ratio Lower Upper
43 100
58 44.2 21.8 65.4



#60
Dibromochloromethane
Concen: 70.931 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion:129 Resp: 715013
Ion Ratio Lower Upper
129 100
127 75.7 38.0 114.1

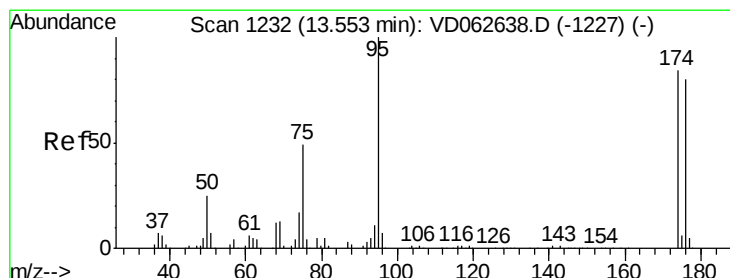
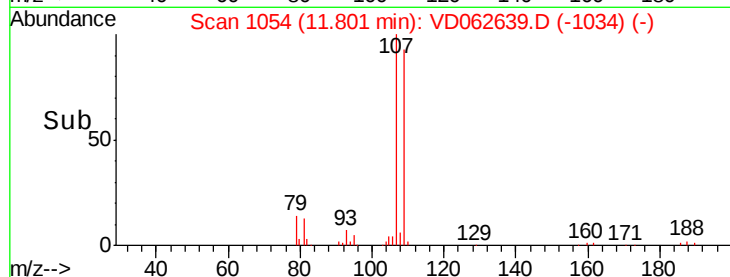
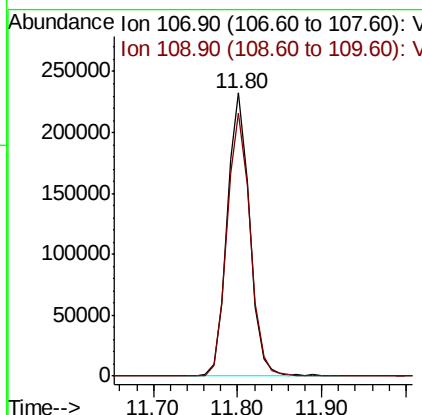
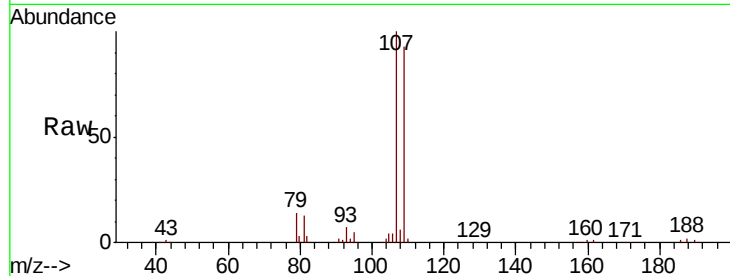




#61
 1,2-Dibromoethane
 Concen: 69.612 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

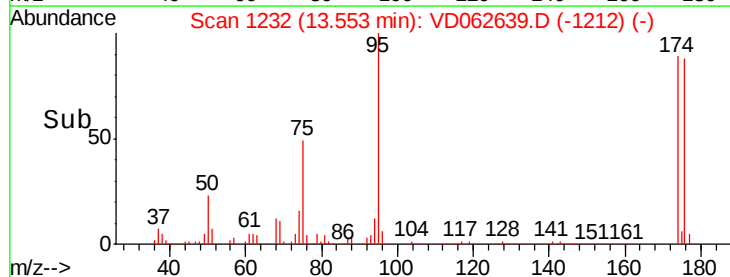
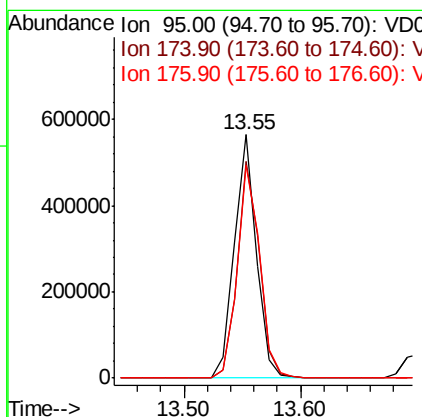
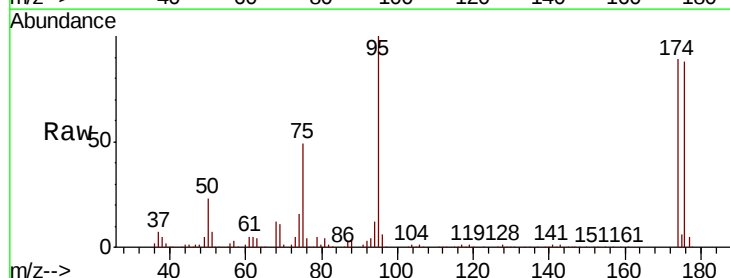
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

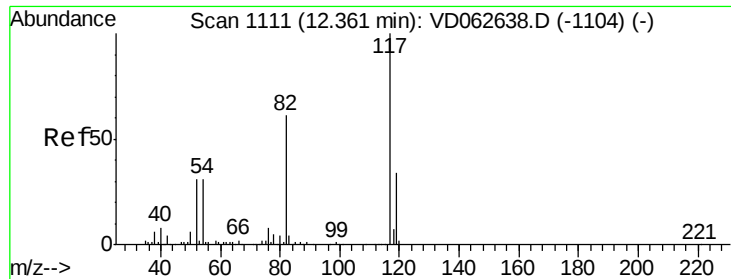
Tot Ion:107 Resp: 428449
 Ion Ratio Lower Upper
 107 100
 109 93.1 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 70.576 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion: 95 Resp: 735825
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 167.0
 176 87.6 0.0 159.2

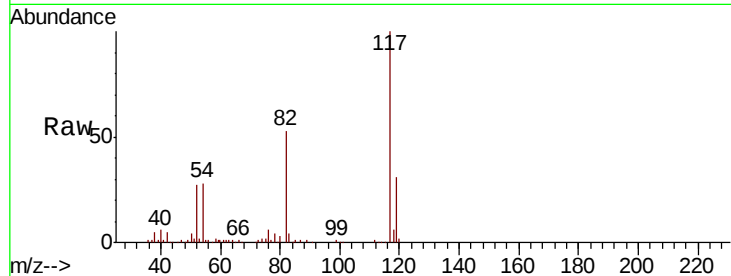




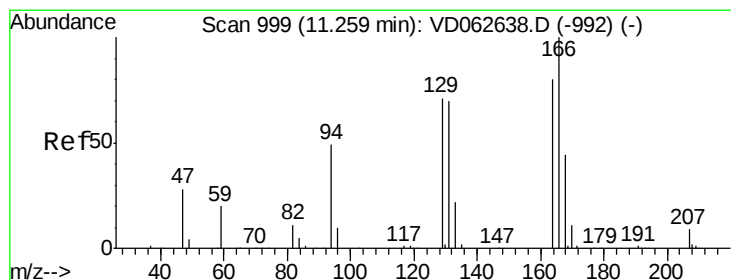
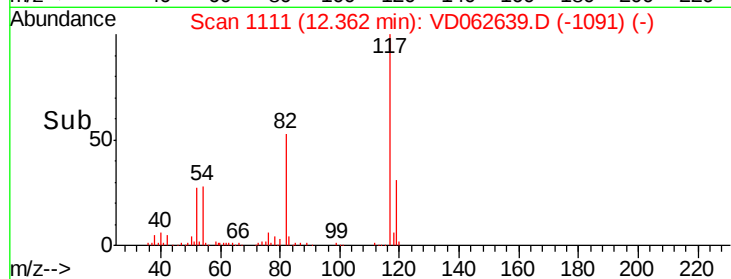
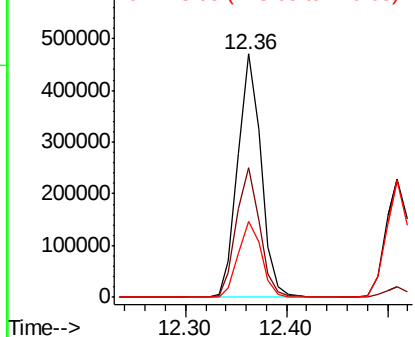
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 758084
Ion Ratio Lower Upper
117 100
82 53.3 48.7 73.1
119 31.1 27.0 40.6

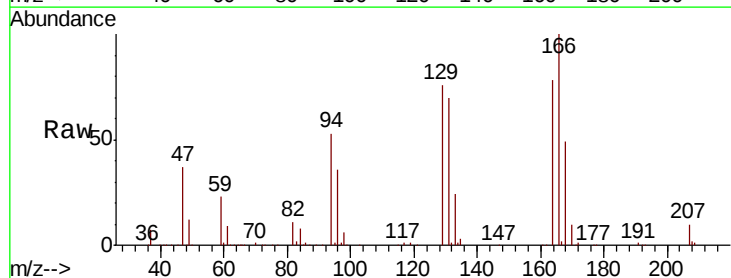


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

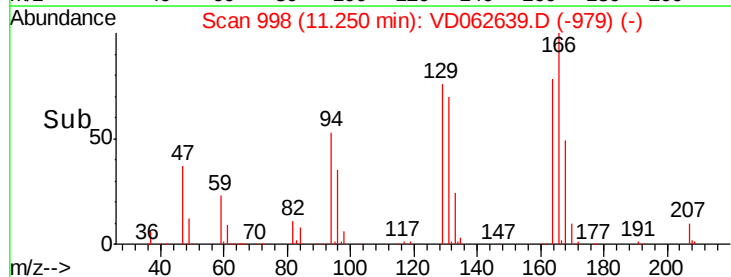
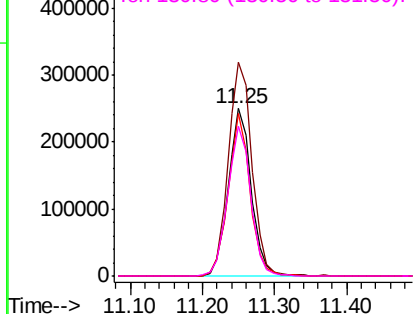


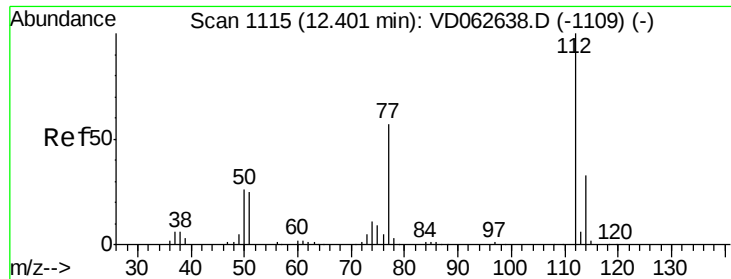
#64
Tetrachloroethene
Concen: 76.647 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion:164 Resp: 551653
Ion Ratio Lower Upper
164 100
166 127.6 99.4 149.2
129 97.1 70.2 105.4
131 89.6 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

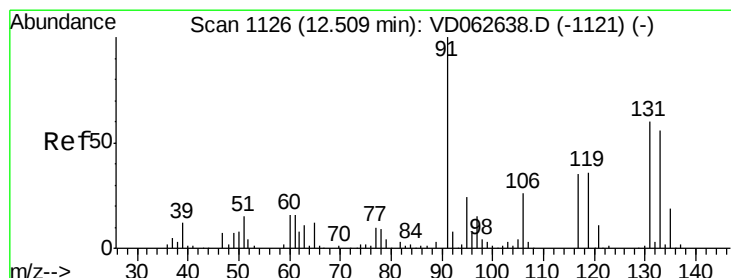
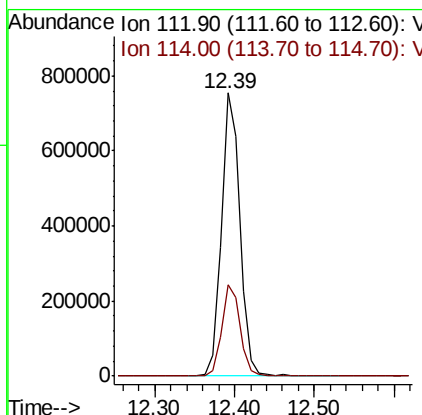
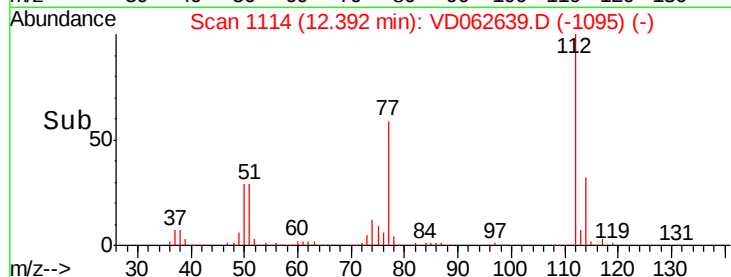
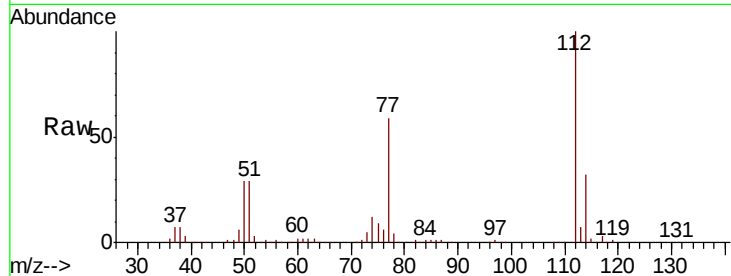




#65
Chlorobenzene
Concen: 72.686 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

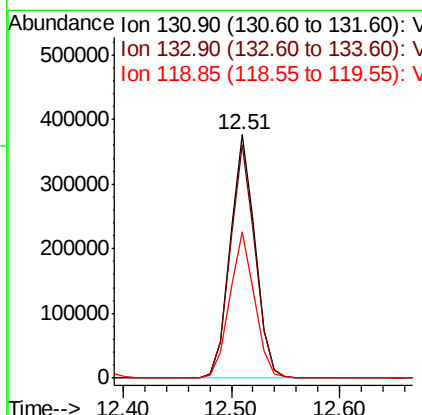
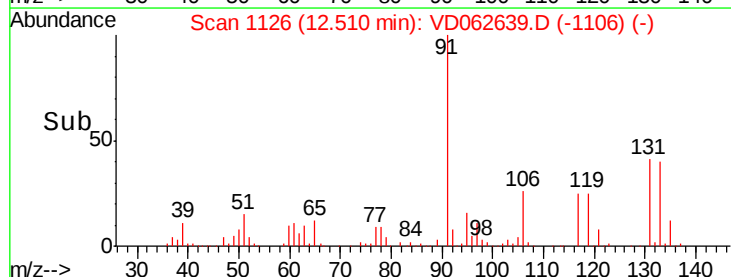
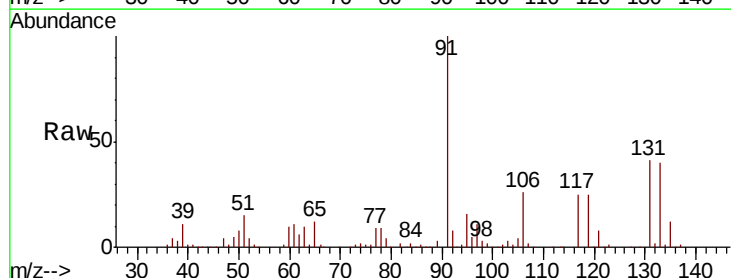
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

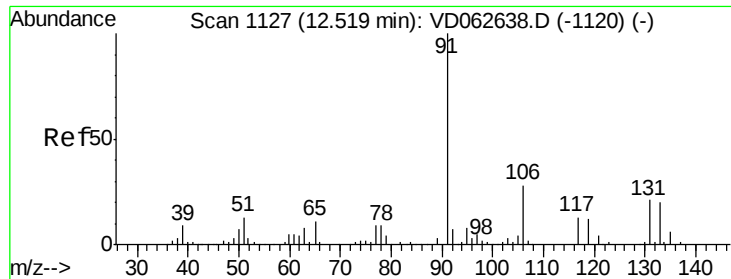
Tot Ion:112 Resp: 1234401
Ion Ratio Lower Upper
112 100
114 32.4 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 74.013 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion:131 Resp: 602300
Ion Ratio Lower Upper
131 100
133 95.7 46.8 140.3
119 59.9 29.9 89.8

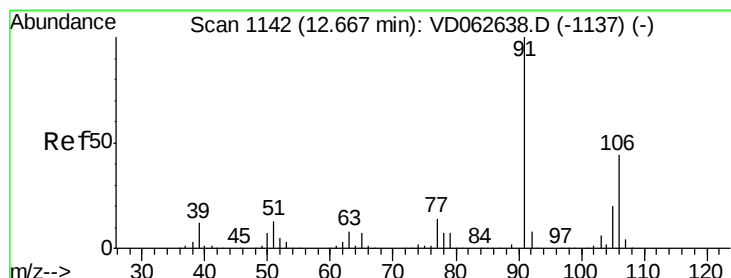
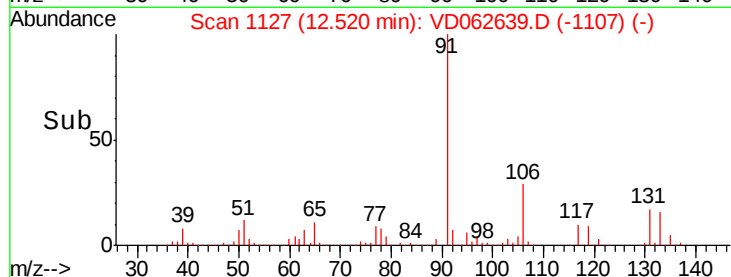
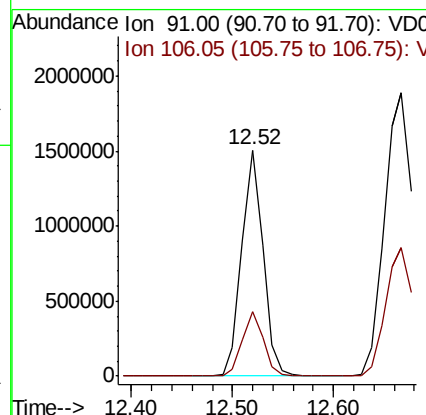
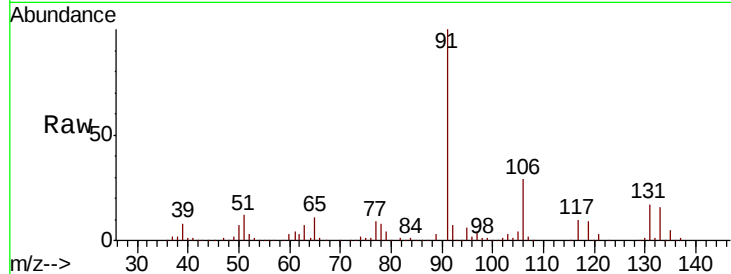




#67
Ethyl Benzene
Concen: 73.650 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

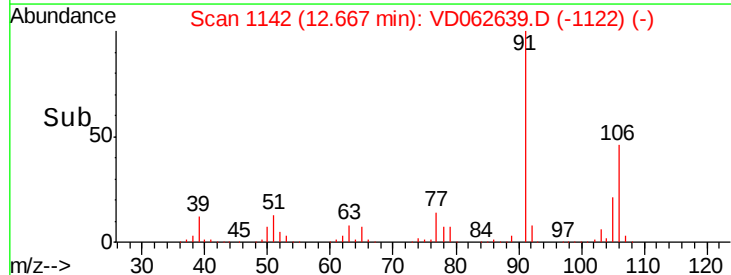
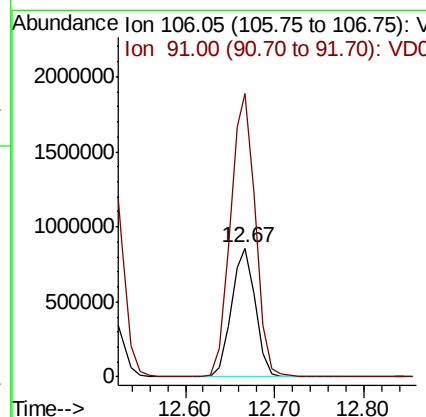
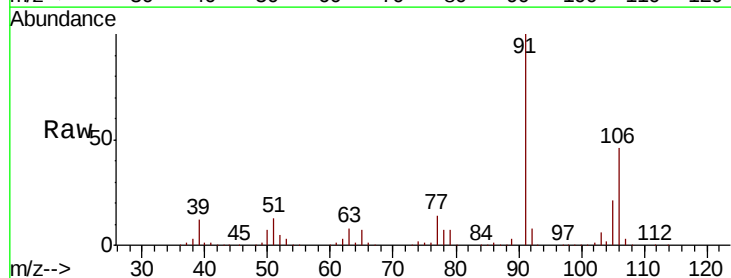
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

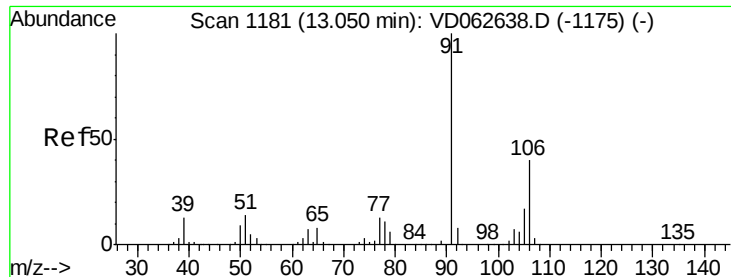
Tot Ion: 91 Resp: 2223689
Ion Ratio Lower Upper
91 100
106 28.8 22.1 33.1



#68
m/p-Xylenes
Concen: 153.560 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 106 Resp: 1626743
Ion Ratio Lower Upper
106 100
91 219.3 180.2 270.4

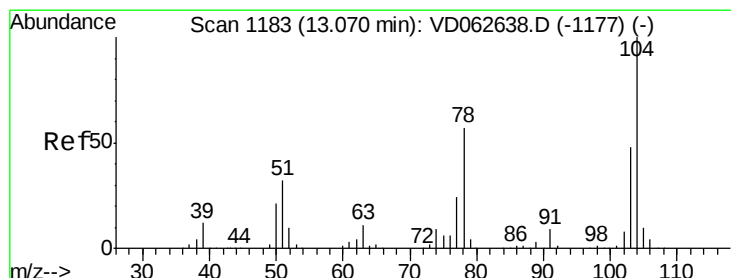
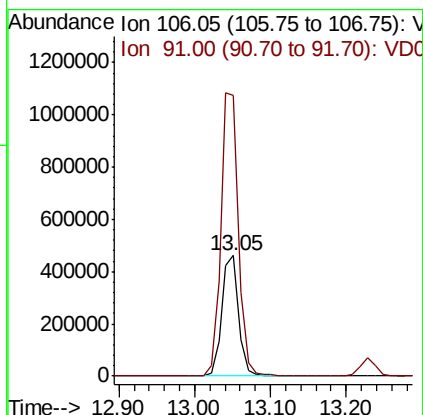
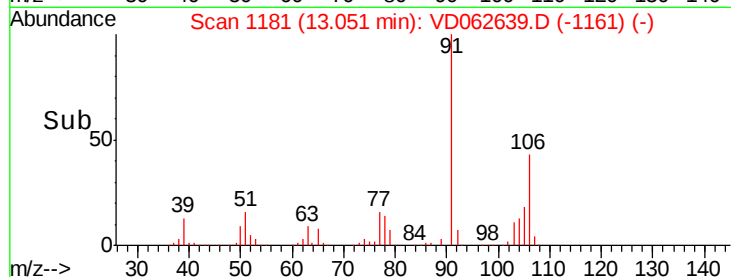
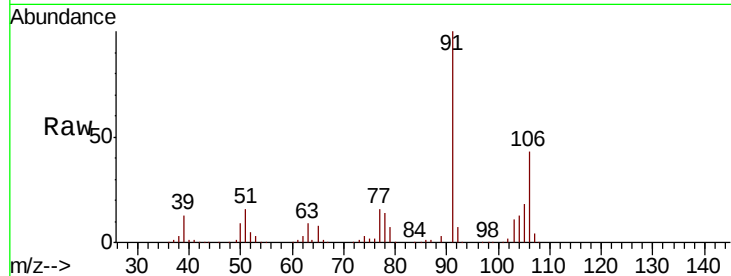




#69
o-Xylene
Concen: 71.513 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

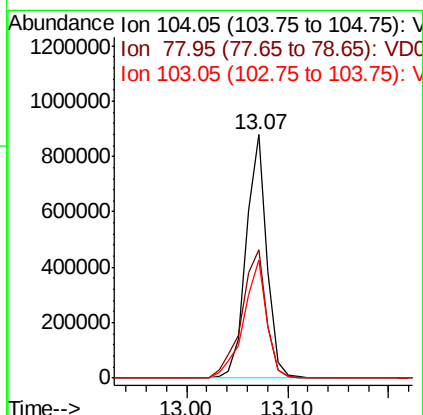
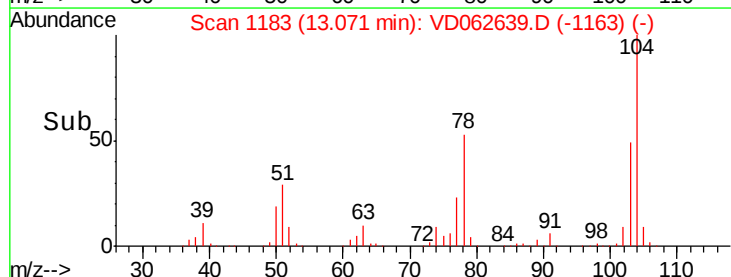
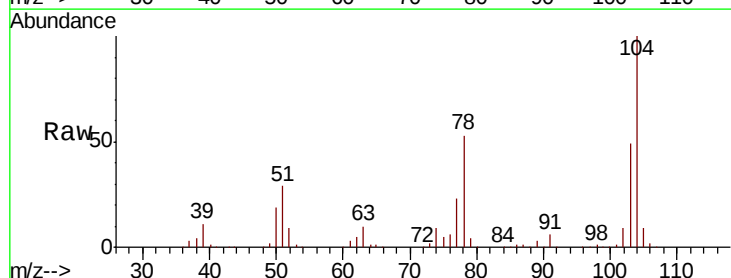
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

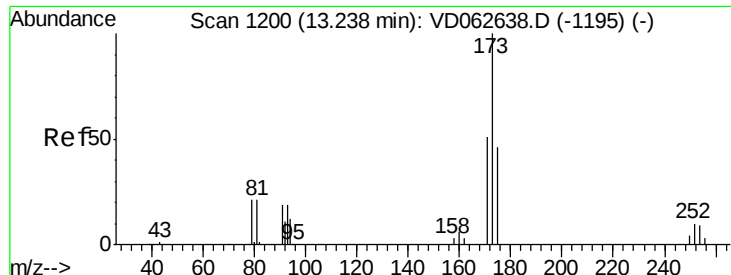
Tot Ion:106 Resp: 711085
Ion Ratio Lower Upper
106 100
91 232.9 124.1 372.1



#70
Styrene
Concen: 70.735 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion:104 Resp: 1254141
Ion Ratio Lower Upper
104 100
78 52.8 45.9 68.9
103 48.7 38.4 57.6





#71

Bromoform

Concen: 74.421 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

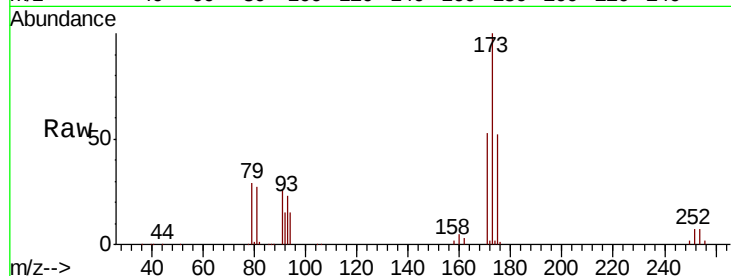
Tot Ion:173 Resp: 420952

Ion Ratio Lower Upper

173 100

175 51.9 22.9 68.7

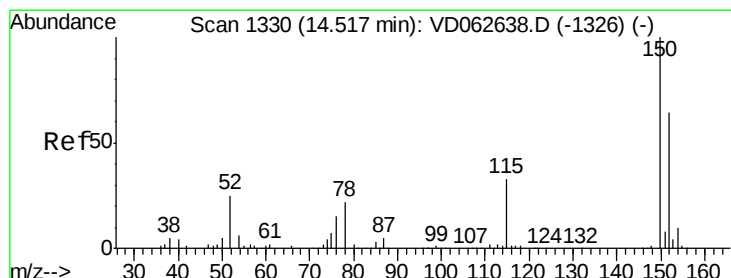
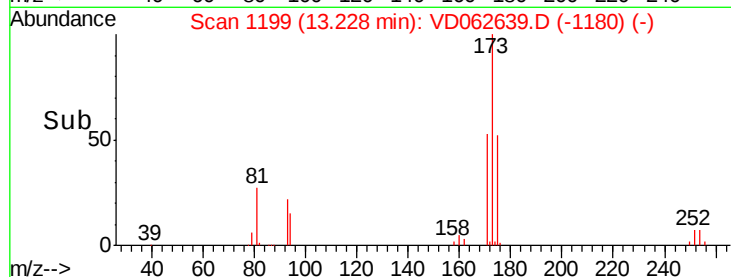
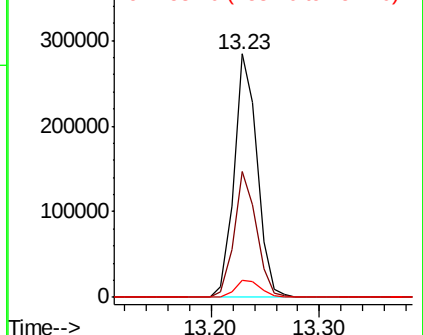
254 6.9 7.0 10.4#



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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

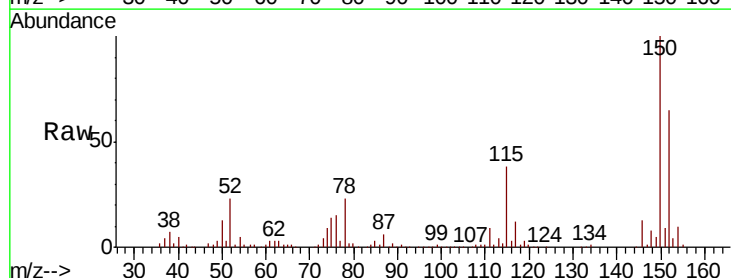
Tgt Ion:152 Resp: 463098

Ion Ratio Lower Upper

152 100

115 58.1 30.1 90.5

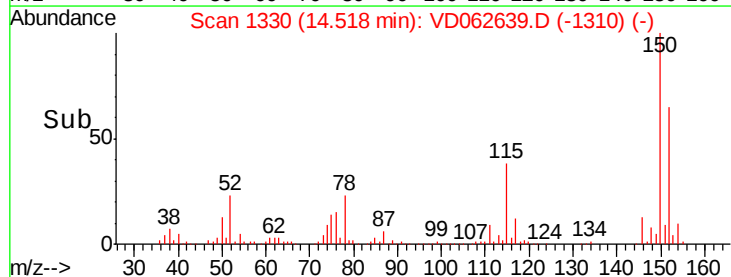
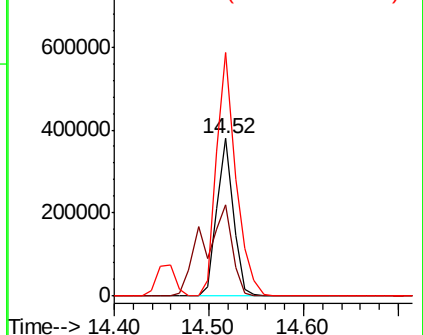
150 154.4 0.0 314.0

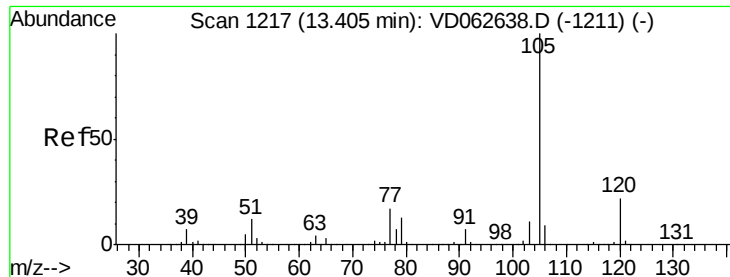


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 68.683 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

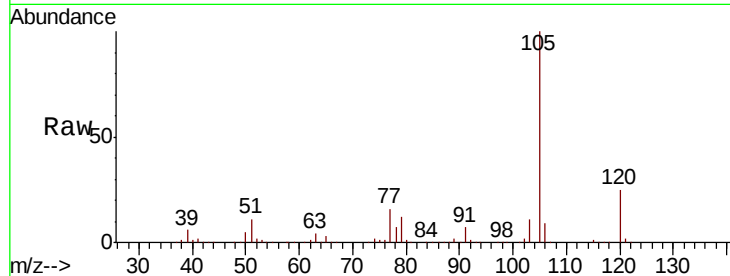
VSTDIC075

Tot Ion:105 Resp: 2315999

Ion Ratio Lower Upper

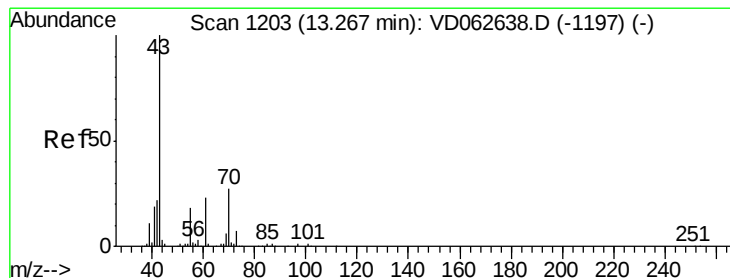
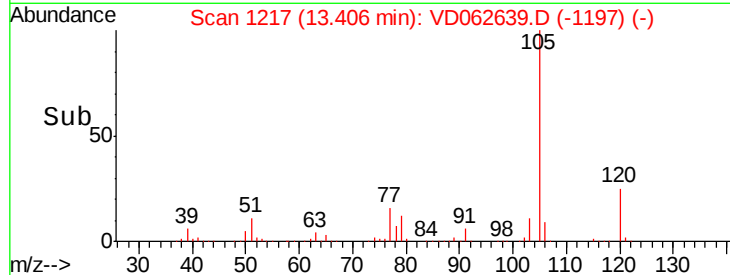
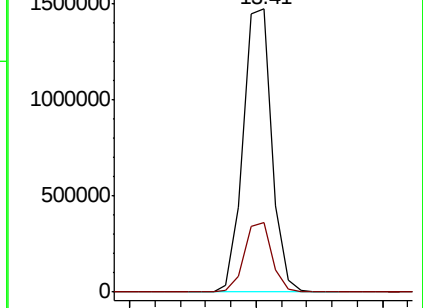
105 100

120 24.5 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 70.100 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion: 43 Resp: 636454

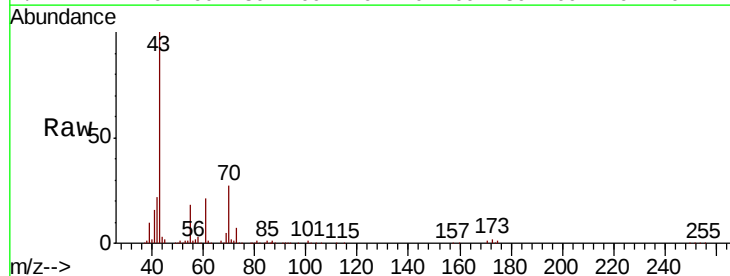
Ion Ratio Lower Upper

43 100

70 27.3 21.8 32.8

55 17.5 14.6 21.8

61 21.5 18.4 27.6

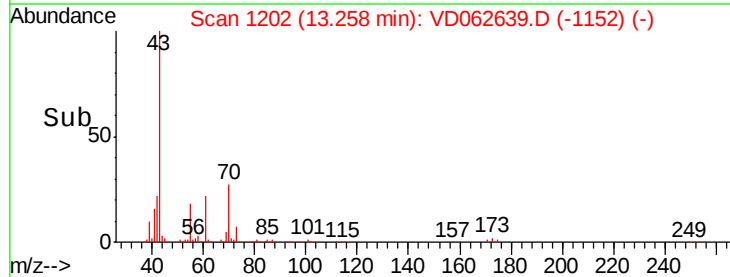
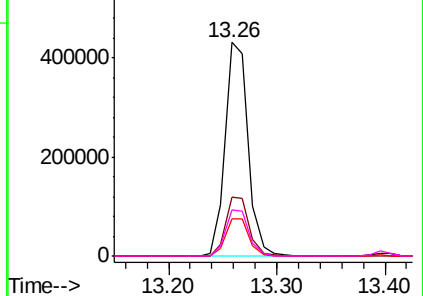


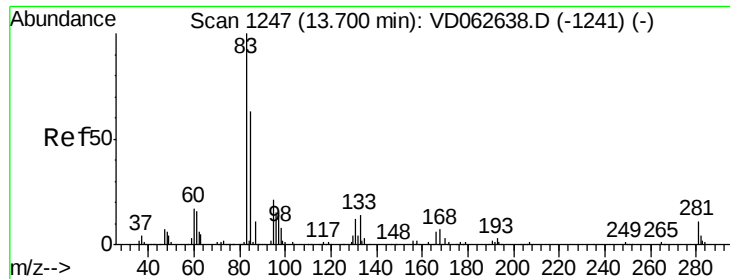
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 68.944 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

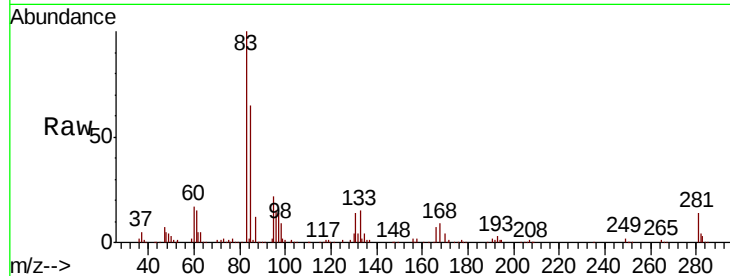
Tot Ion: 83 Resp: 393334

Ion Ratio Lower Upper

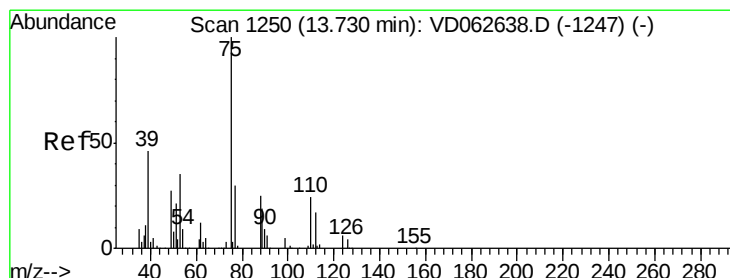
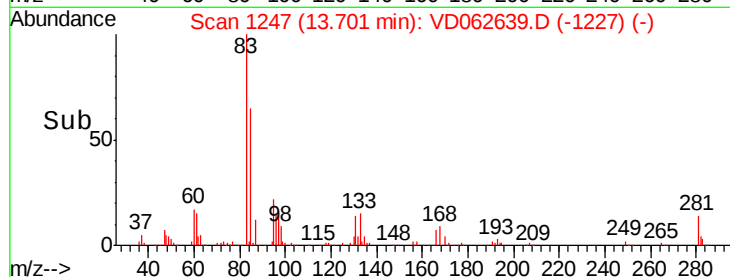
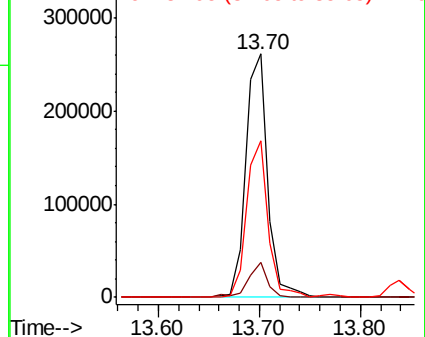
83 100

131 14.2 5.9 17.7

85 64.6 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: 65.997 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062639.D

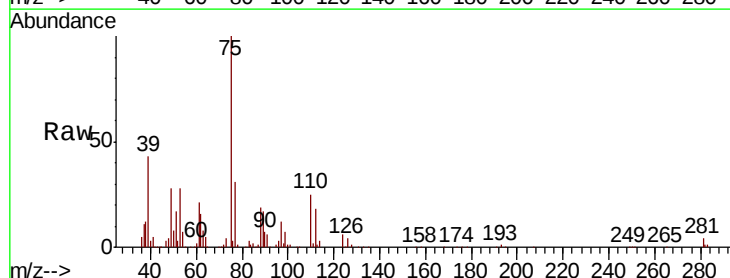
Acq: 7 Jun 2019 12:42

Tgt Ion: 75 Resp: 421661

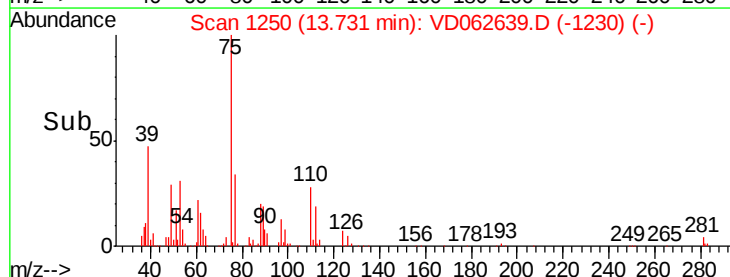
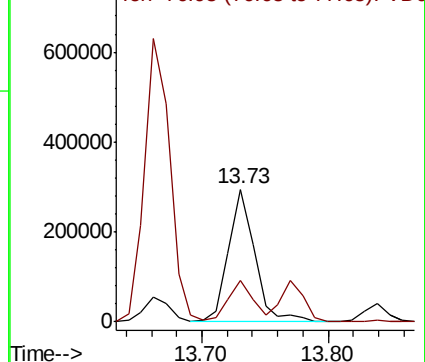
Ion Ratio Lower Upper

75 100

77 31.2 16.2 48.6



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

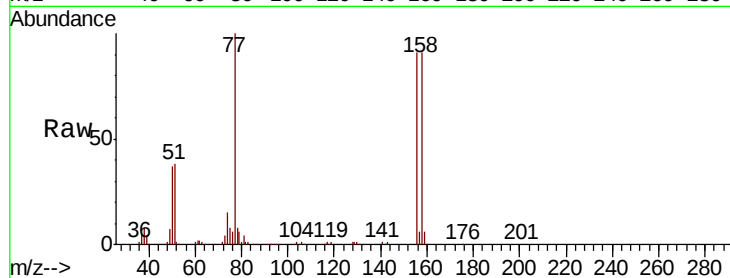




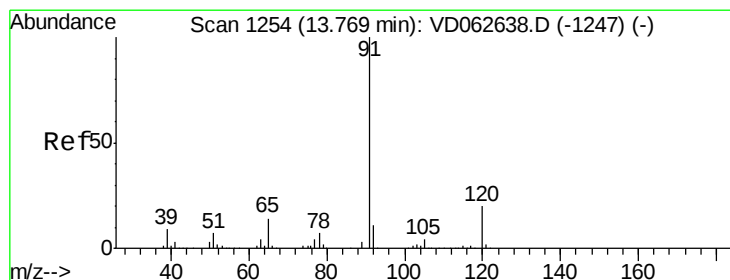
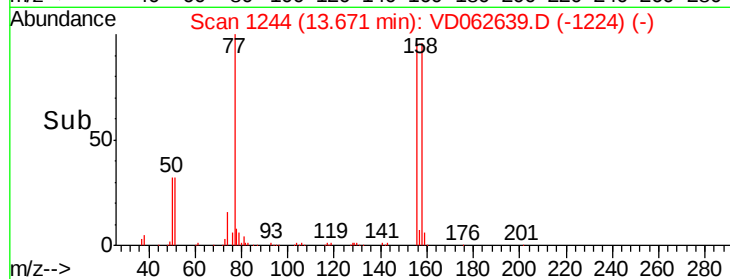
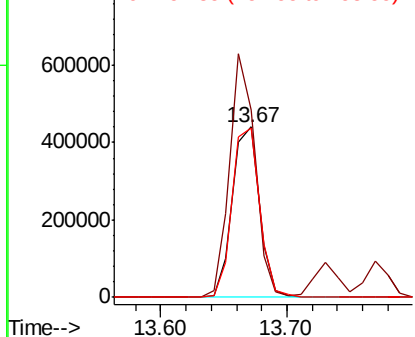
#77
Bromobenzene
Concen: 69.104 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:156 Resp: 655623
Ion Ratio Lower Upper
156 100
77 110.1 56.3 168.8
158 99.7 49.6 148.8

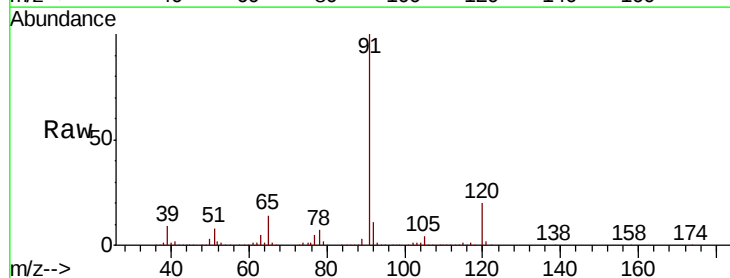


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

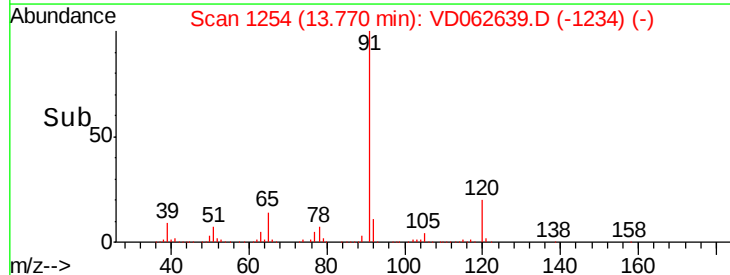
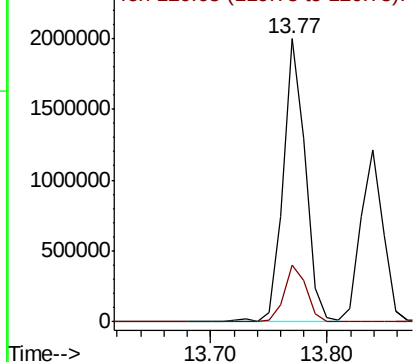


#78
n-propylbenzene
Concen: 63.883 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 91 Resp: 2607690
Ion Ratio Lower Upper
91 100
120 20.1 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

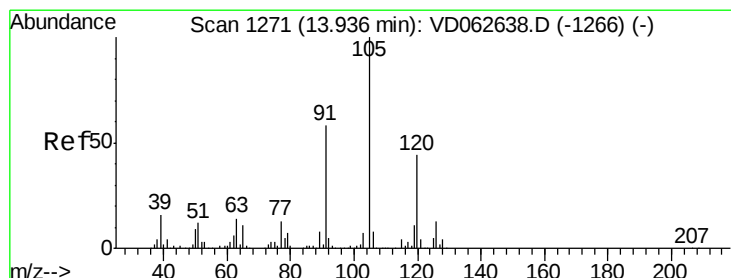
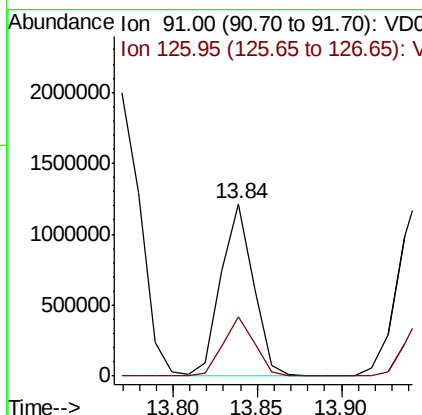
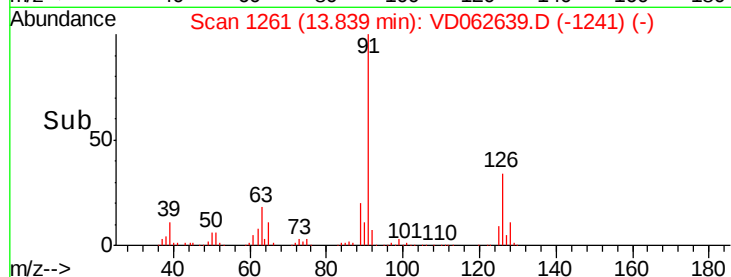
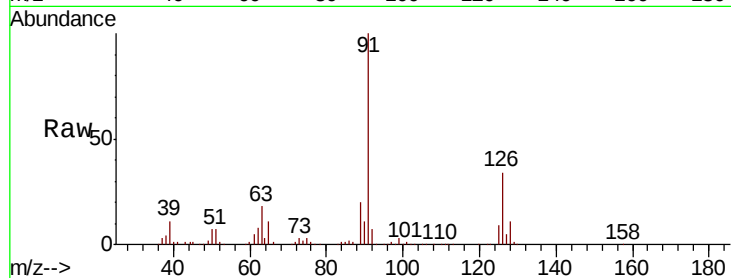




#79
2-Chlorotoluene
Concen: 68.107 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

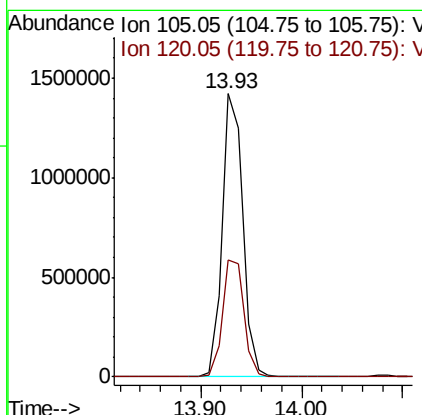
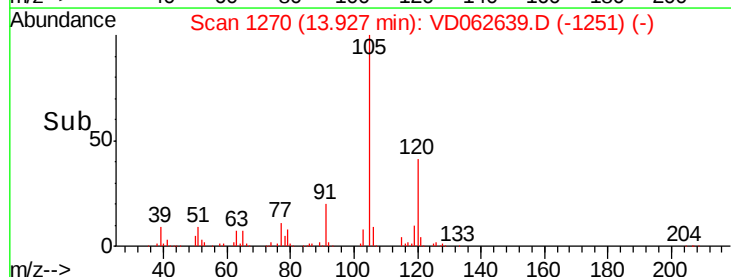
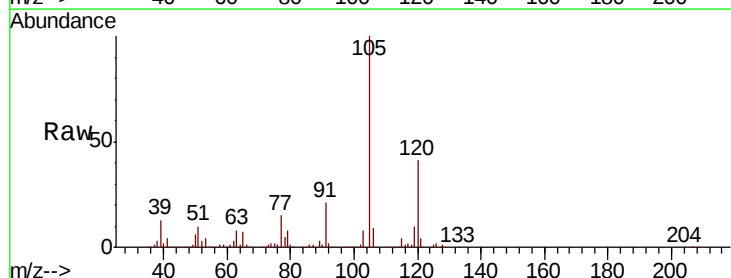
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

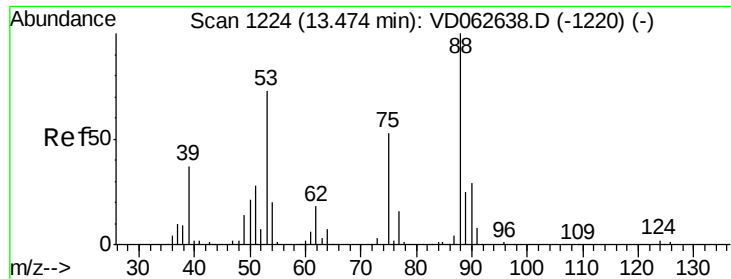
Tot Ion: 91 Resp: 1621935
Ion Ratio Lower Upper
91 100
126 34.3 15.8 47.4



#80
1,3,5-Trimethylbenzene
Concen: 68.549 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 105 Resp: 2017426
Ion Ratio Lower Upper
105 100
120 41.3 22.1 66.5

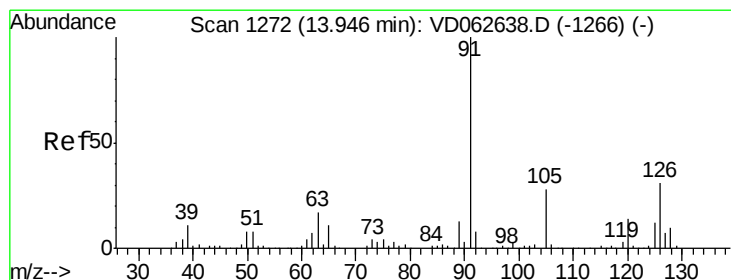
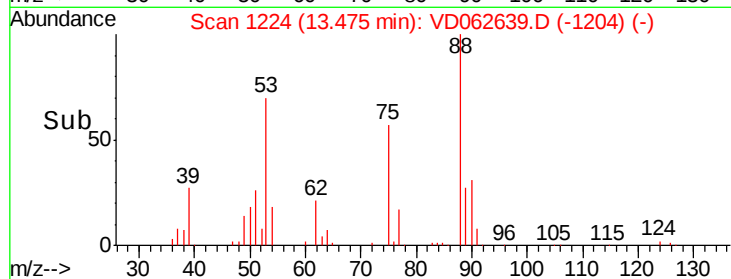
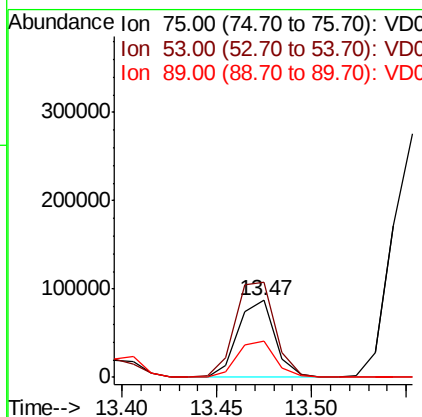
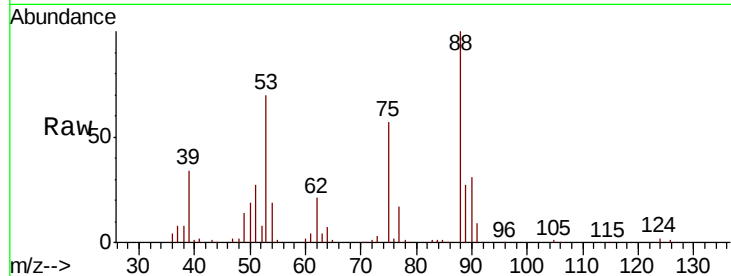




#81
trans-1,4-Dichloro-2-butene
Concen: 72.418 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

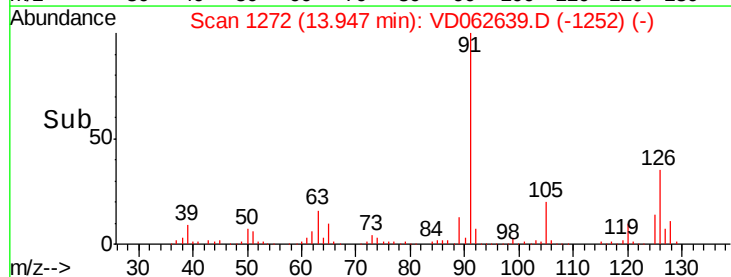
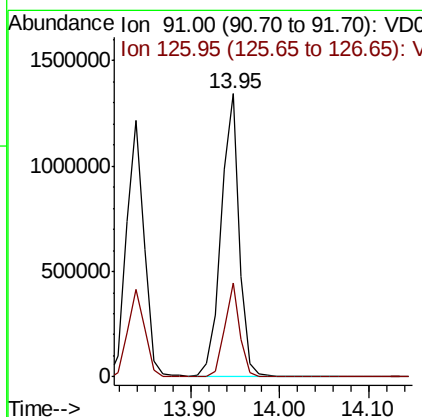
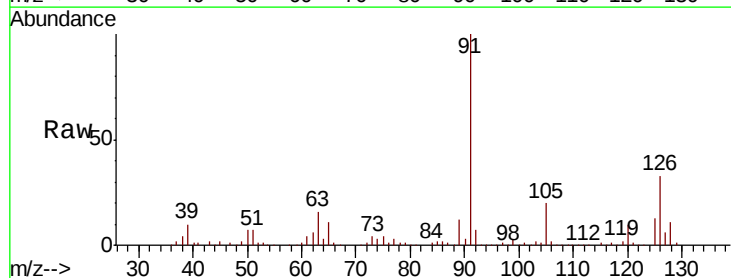
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

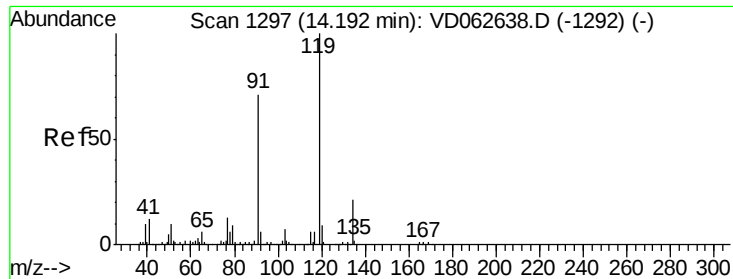
Tot Ion: 75 Resp: 119184
Ion Ratio Lower Upper
75 100
53 123.4 109.4 164.2
89 48.0 37.0 55.6



#82
4-Chlorotoluene
Concen: 67.005 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 91 Resp: 1919821
Ion Ratio Lower Upper
91 100
126 33.0 15.6 46.8

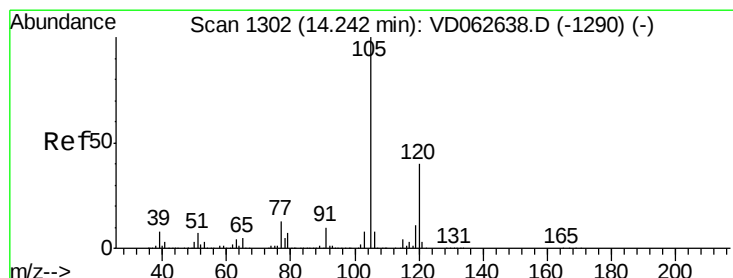
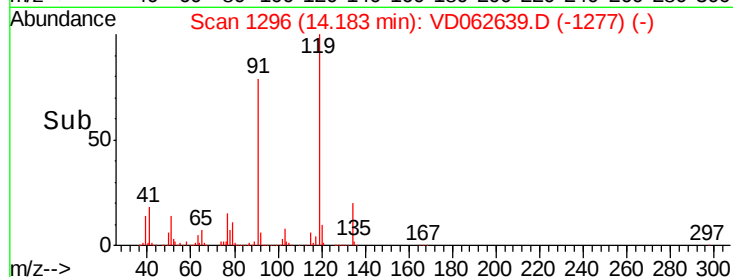
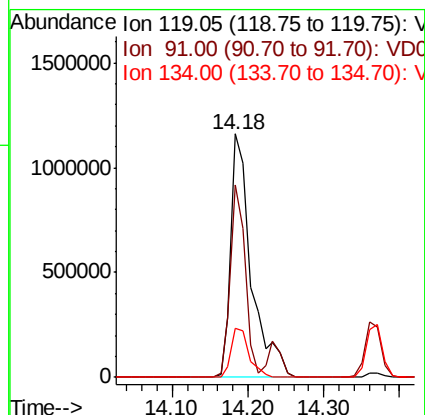
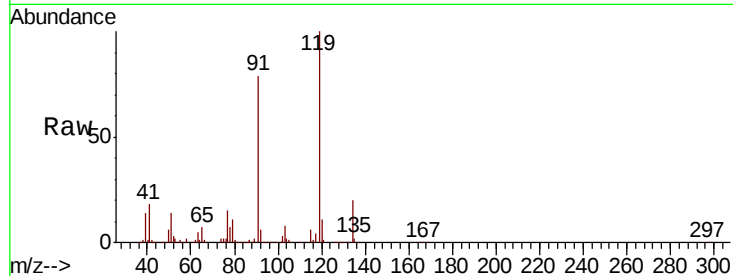




#83
 tert-Butylbenzene
 Concen: 66.171 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

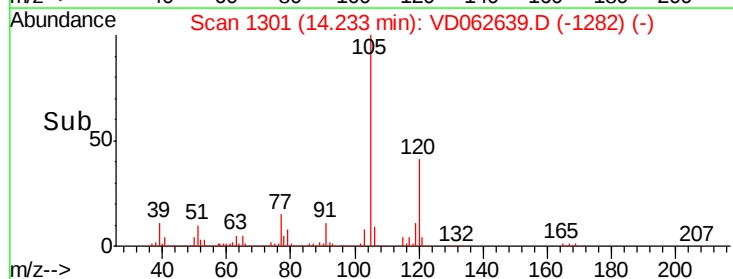
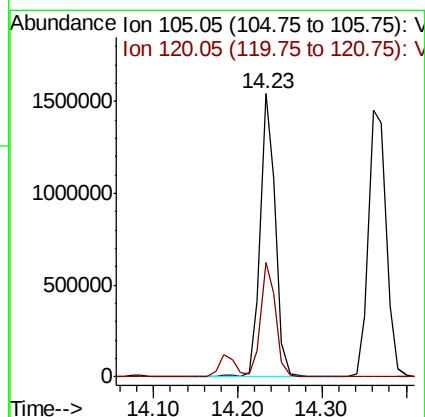
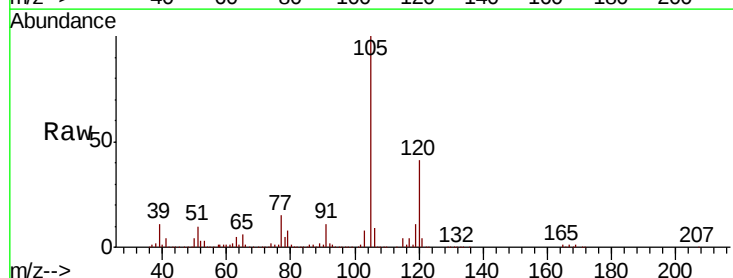
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

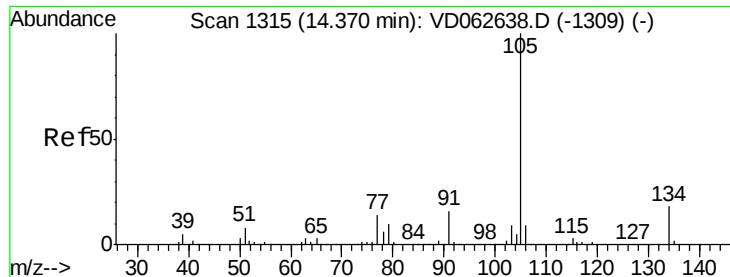
Tot Ion:119 Resp: 2172736
 Ion Ratio Lower Upper
 119 100
 91 79.1 35.4 106.1
 134 20.0 10.8 32.3



#84
 1,2,4-Trimethylbenzene
 Concen: 66.073 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion:105 Resp: 1953538
 Ion Ratio Lower Upper
 105 100
 120 40.7 20.3 60.8





#85

sec-Butylbenzene

Concen: 62.789 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

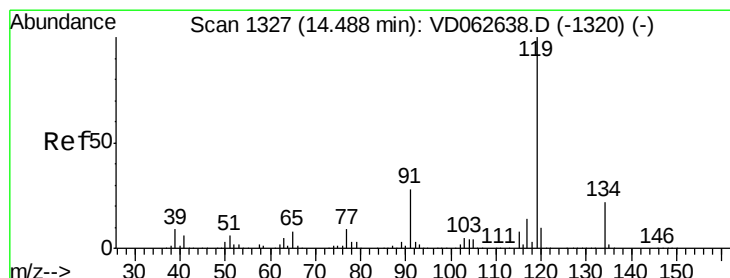
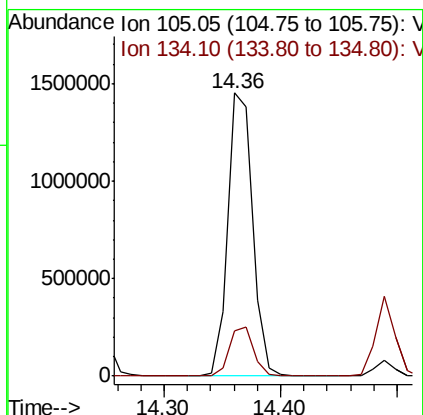
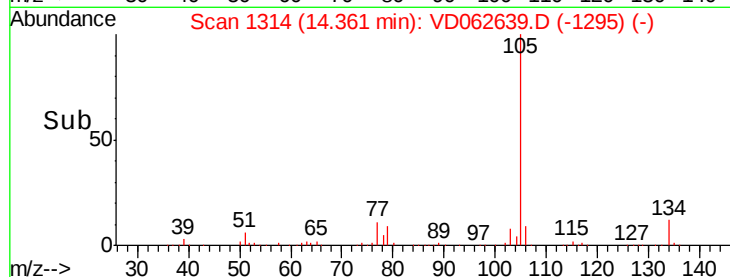
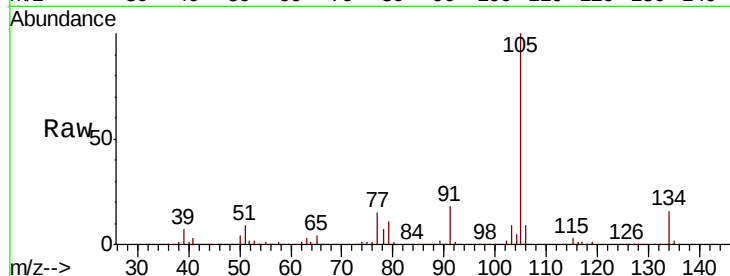
VSTDIC075

Tot Ion:105 Resp: 2143991

Ion Ratio Lower Upper

105 100

134 15.9 8.8 26.2



#86

p-Isopropyltoluene

Concen: 66.602 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

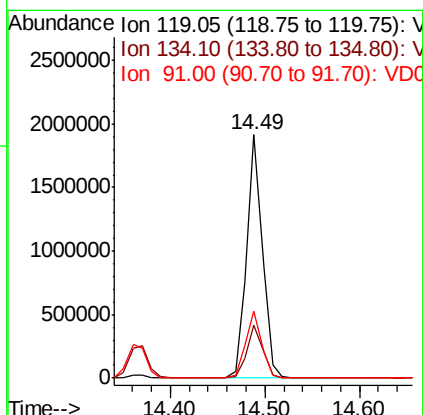
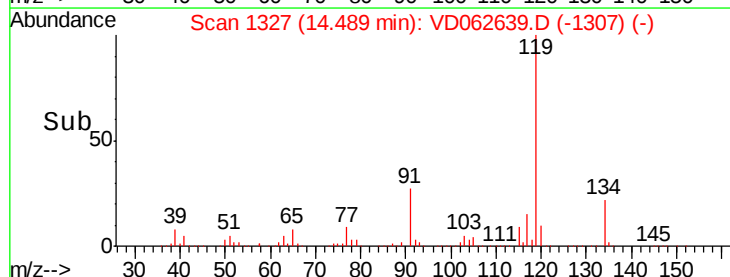
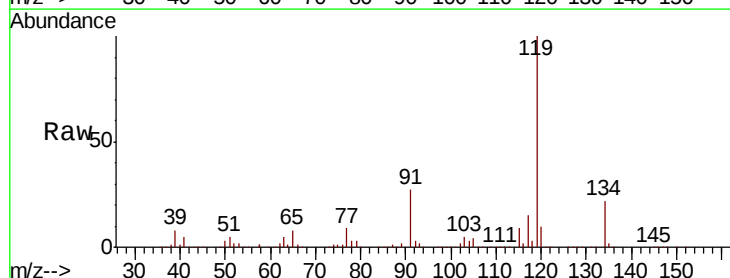
Tgt Ion:119 Resp: 2206329

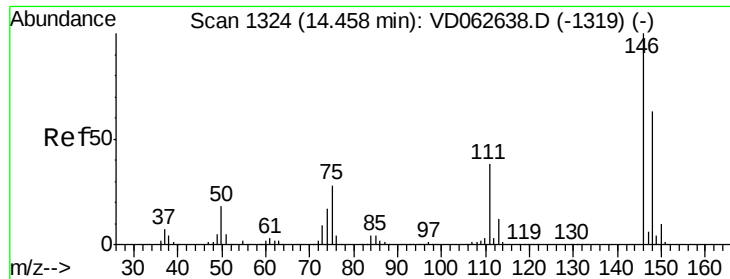
Ion Ratio Lower Upper

119 100

134 21.5 10.9 32.6

91 27.3 13.9 41.6

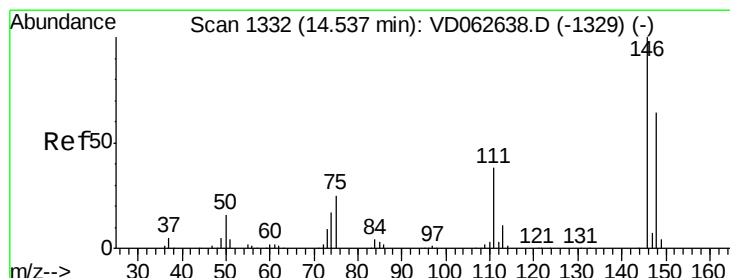
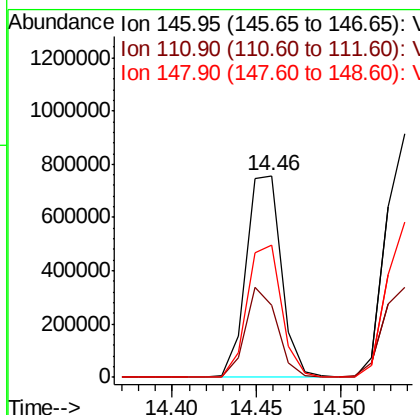
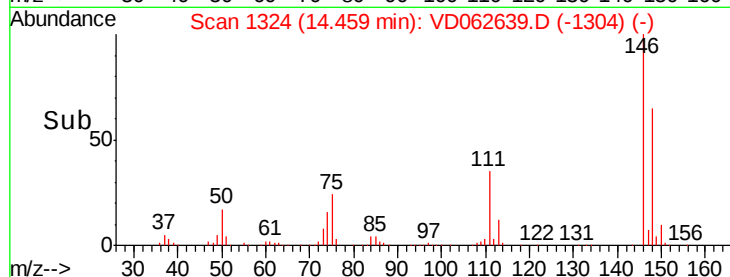
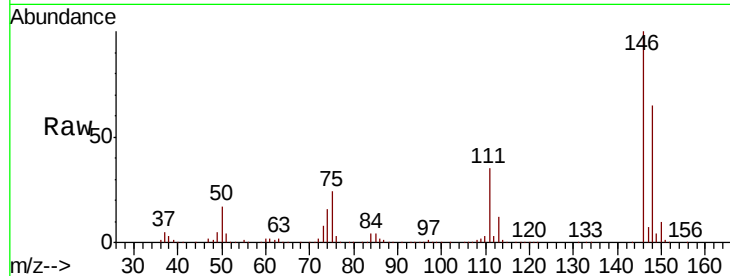




#87
 1,3-Dichlorobenzene
 Concen: 62.664 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

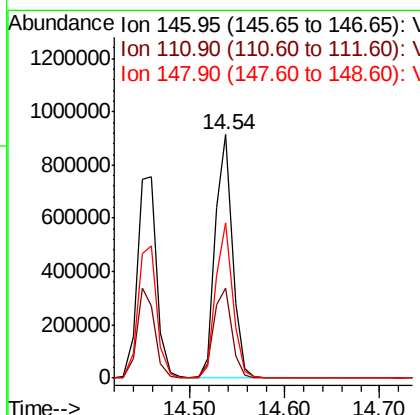
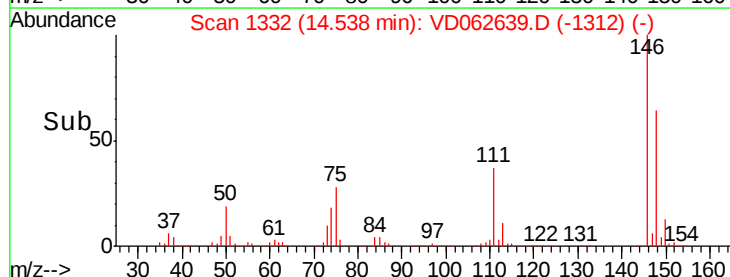
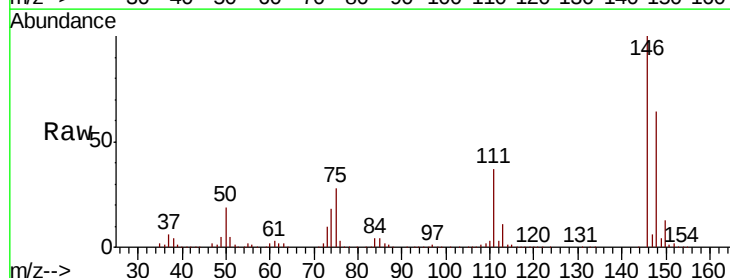
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1099691
 Ion Ratio Lower Upper
 146 100
 111 35.4 19.2 57.6
 148 65.3 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 70.436 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion:146 Resp: 1161020
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.7
 148 63.8 32.3 96.8





#89

n-Butylbenzene

Concen: 67.499 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

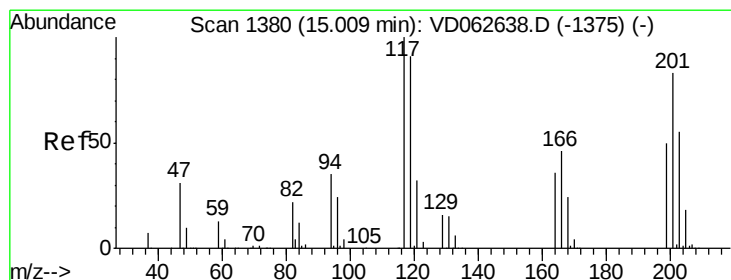
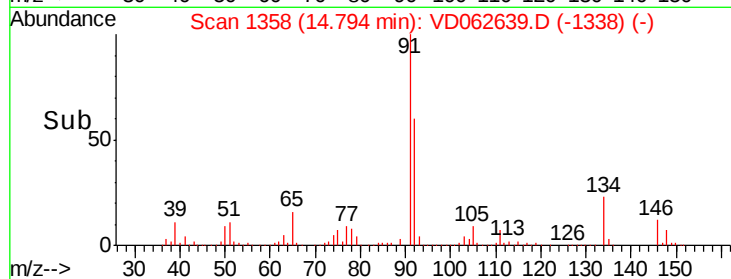
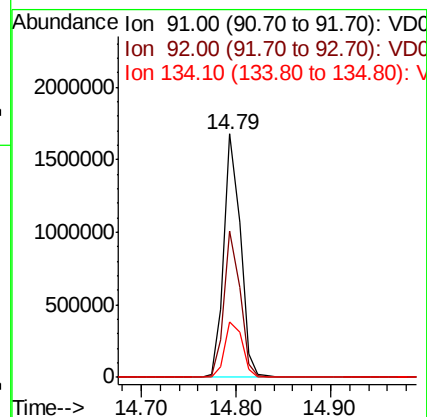
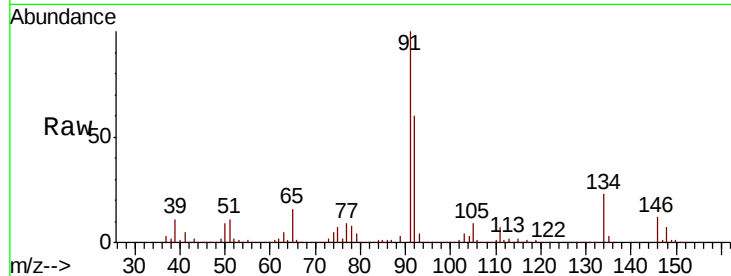
Tot Ion: 91 Resp: 2037337

Ion Ratio Lower Upper

91 100

92 60.0 29.4 88.3

134 22.6 10.4 31.2



#90

Hexachloroethane

Concen: 63.201 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062639.D

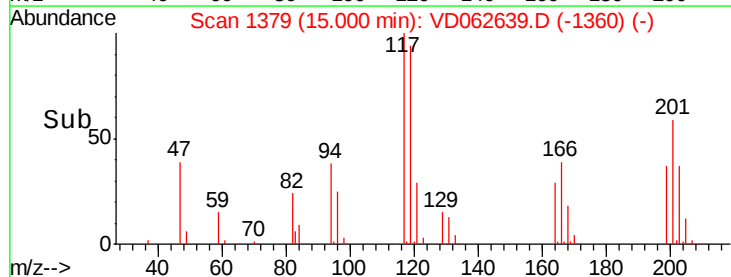
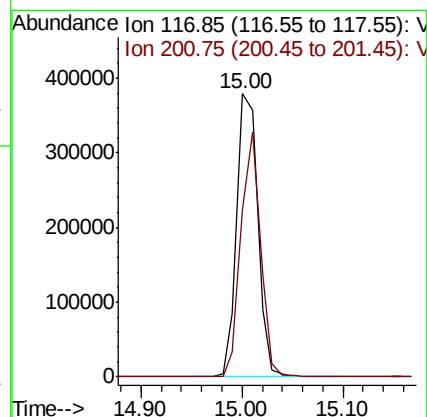
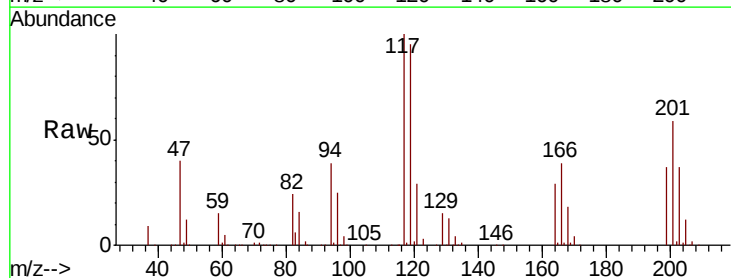
Acq: 7 Jun 2019 12:42

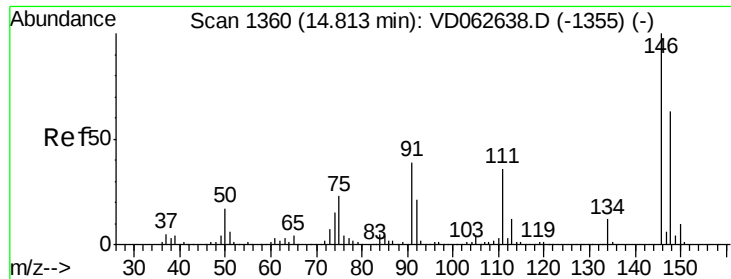
Tgt Ion: 117 Resp: 551487

Ion Ratio Lower Upper

117 100

201 58.9 41.5 124.6





#91

1,2-Dichlorobenzene

Concen: 67.237 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

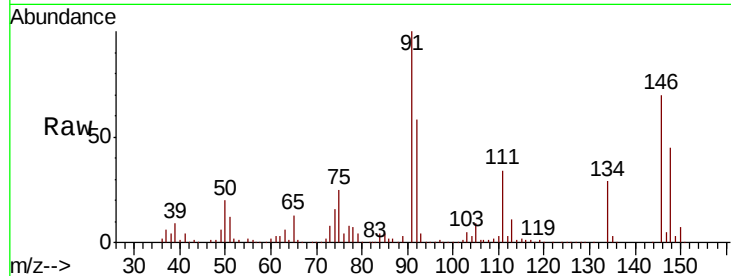
Tot Ion:146 Resp: 969750

Ion Ratio Lower Upper

146 100

111 48.2 18.1 54.3

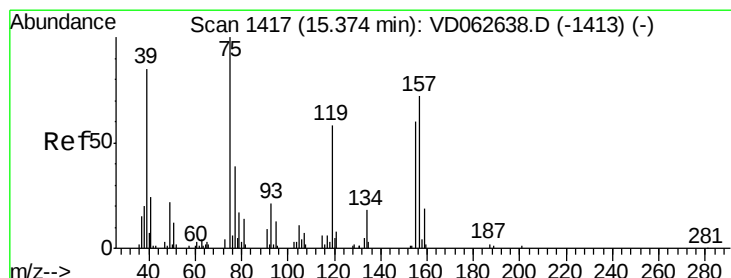
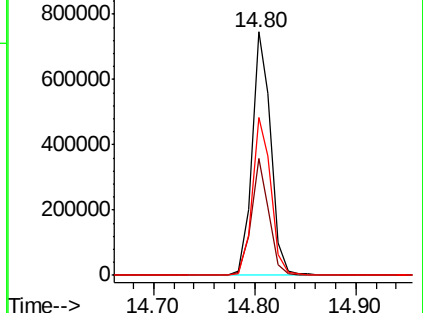
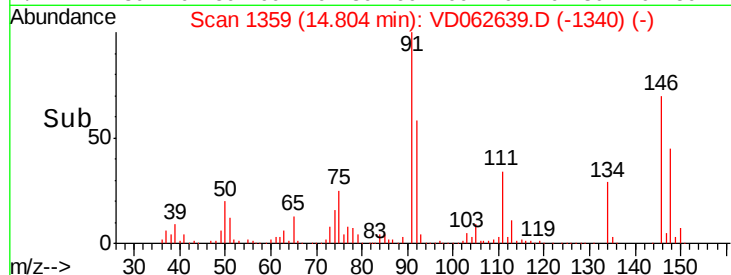
148 64.7 31.4 94.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 66.130 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

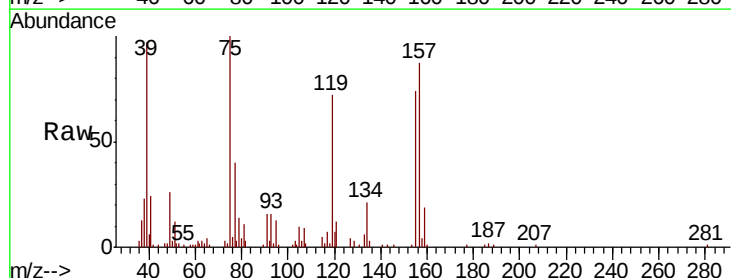
Tgt Ion: 75 Resp: 83315

Ion Ratio Lower Upper

75 100

155 74.1 30.1 90.5

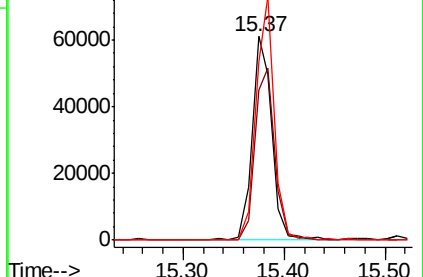
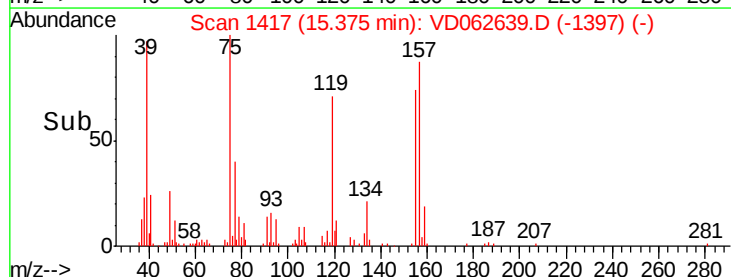
157 87.4 35.9 107.8

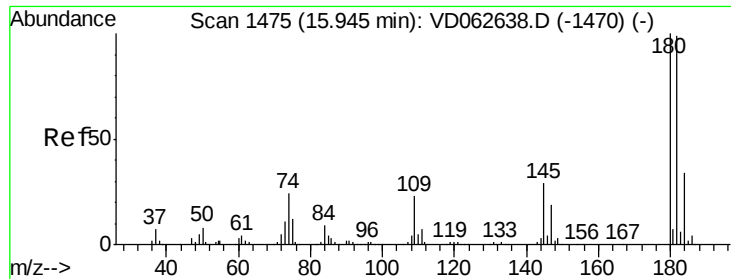


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

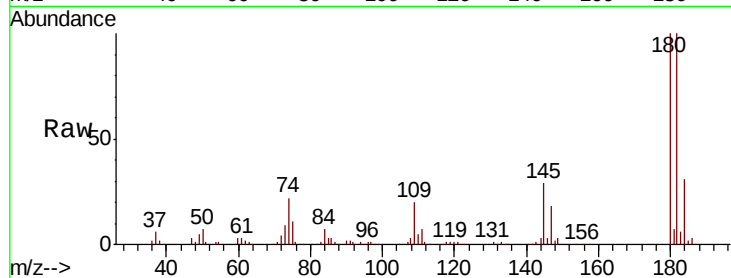




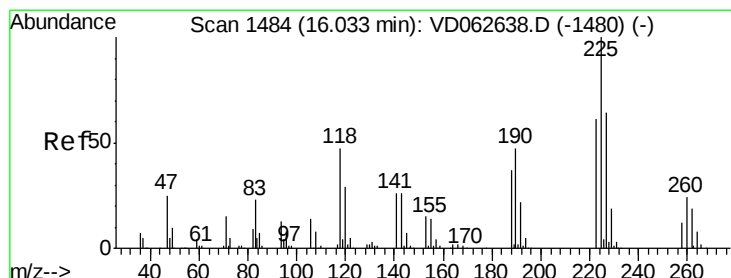
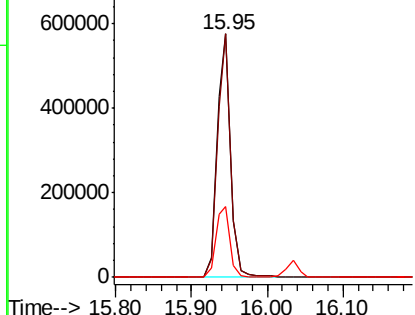
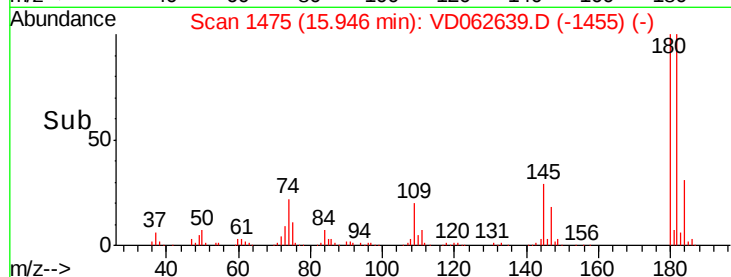
#93
 1,2,4-Trichlorobenzene
 Concen: 66.508 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 727726
 Ion Ratio Lower Upper
 180 100
 182 100.0 49.4 148.2
 145 28.9 14.5 43.6

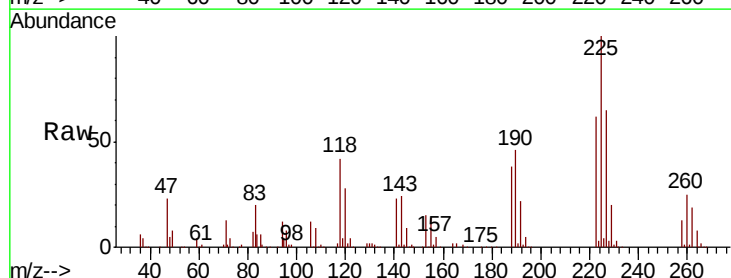


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

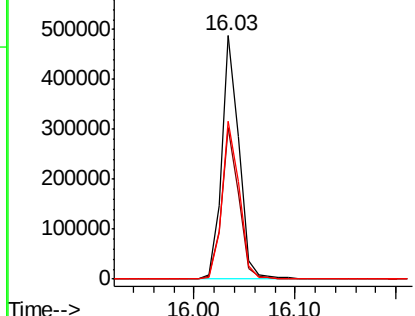
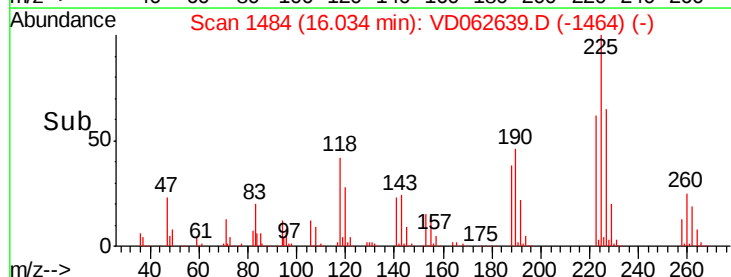


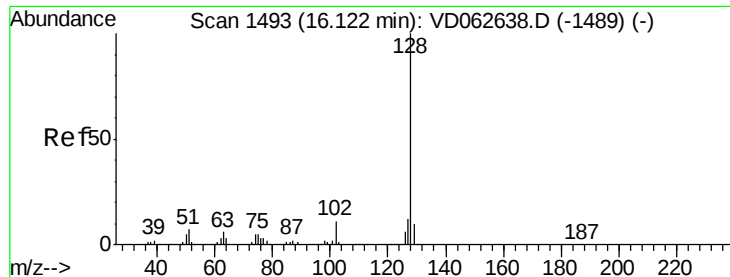
#94
 Hexachlorobutadiene
 Concen: 67.930 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion:225 Resp: 586915
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.3 91.0
 227 64.7 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: 71.023 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

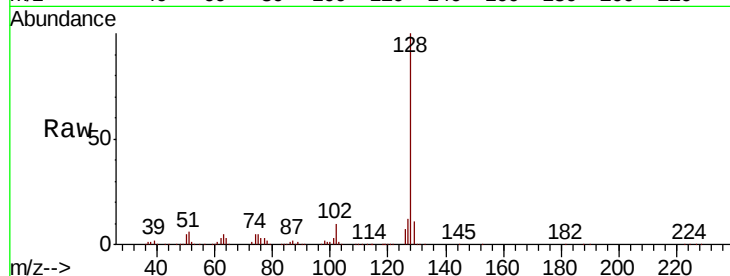
Tot Ion:128 Resp: 1079652

Ion Ratio Lower Upper

128 100

127 12.2 9.7 14.5

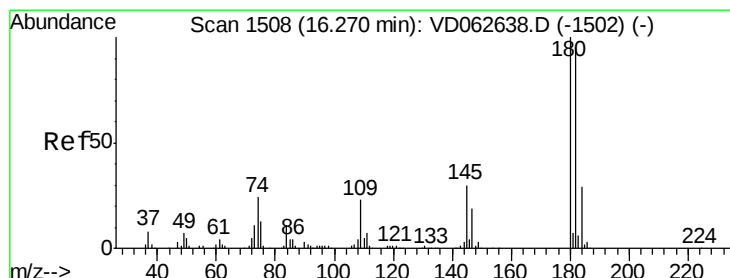
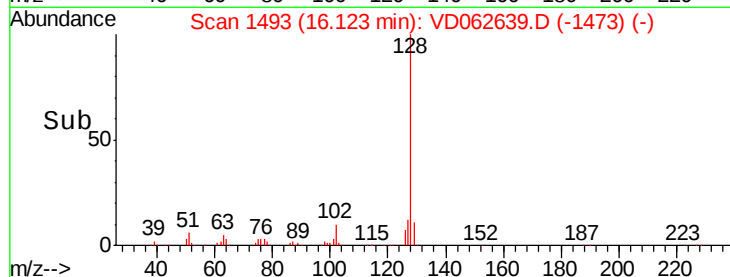
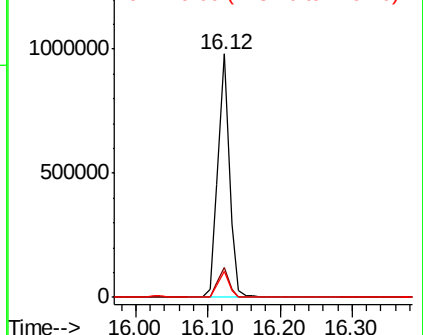
129 10.7 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 70.424 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

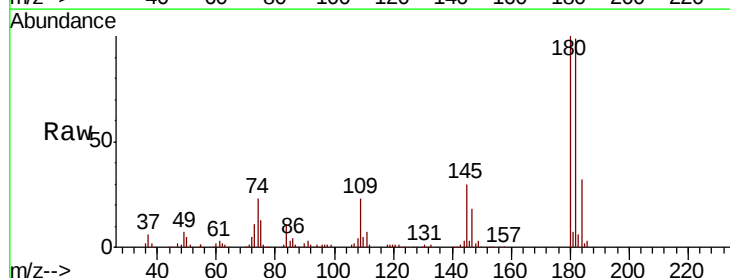
Tgt Ion:180 Resp: 583816

Ion Ratio Lower Upper

180 100

182 99.4 47.7 143.1

145 29.8 15.0 45.0



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

