

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062640.D
 Acq On : 7 Jun 2019 13:09
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 07 23:31:54 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	7.05	168	704901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	915495	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	814885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	418229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	1151168	112.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.48%	
35) Dibromofluoromethane	6.92	113	1112063	115.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	230.30%	
50) Toluene-d8	10.41	98	2459531	119.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	239.22%	
62) 4-Bromofluorobenzene	13.55	95	1111413	113.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	783766	86.387	ug/l	99
3) Chloromethane	1.75	50	643211	90.523	ug/l	97
4) Vinyl Chloride	1.85	62	732426	102.023	ug/l	97
5) Bromomethane	2.14	94	352636	97.923	ug/l	93
6) Chloroethane	2.25	64	370087	99.772	ug/l	94
7) Trichlorofluoromethane	2.52	101	1561146	95.682	ug/l	99
8) Diethyl Ether	2.87	74	237368	106.682	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	907346	100.280	ug/l	98
10) Methyl Iodide	3.29	142	1327165	115.056	ug/l	95
11) Tert butyl alcohol	4.08	59	220766	495.930	ug/l #	84
12) 1,1-Dichloroethene	3.12	96	641669	101.778	ug/l	98
13) Acrolein	3.03	56	65146	529.521	ug/l	97
14) Allyl chloride	3.61	41	1040471	107.344	ug/l	92
15) Acrylonitrile	4.20	53	532340	552.358	ug/l	99
16) Acetone	3.22	43	1019120	534.739	ug/l	95
17) Carbon Disulfide	3.36	76	2036492	108.102	ug/l	100
18) Methyl Acetate	3.63	43	288427	92.997	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	1634855	105.153	ug/l	97
20) Methylene Chloride	3.81	84	709196	99.782	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	756283	107.094	ug/l	96
22) Diisopropyl ether	5.12	45	2198259	110.804	ug/l	95
23) Vinyl Acetate	5.06	43	6795019	542.806	ug/l	98
24) 1,1-Dichloroethane	4.98	63	1434584	109.512	ug/l	98
25) 2-Butanone	6.07	43	1000265	538.469	ug/l	99
26) 2,2-Dichloropropane	6.01	77	1598462	105.474	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	815864	108.564	ug/l	97
28) Bromochloromethane	6.43	49	555857	118.501	ug/l	96
29) Tetrahydrofuran	6.45	42	443081	530.049	ug/l	99
30) Chloroform	6.66	83	1744714	103.466	ug/l	93
31) Cyclohexane	6.95	56	874839	108.962	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	1785696	104.711	ug/l	100
36) 1,1-Dichloropropene	7.14	75	1213910	111.333	ug/l	99
37) Ethyl Acetate	6.18	43	462358	97.270	ug/l #	94
38) Carbon Tetrachloride	7.10	117	1915830	111.320	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	997698	114.984	ug/l	95
40) Benzene	7.45	78	2374594	114.328	ug/l	98
41) Methacrylonitrile	6.44	41	601164	105.526	ug/l	96
42) 1,2-Dichloroethane	7.58	62	1348569	108.264	ug/l	97
43) Isopropyl Acetate	9.24	43	633736	113.542	ug/l	97
44) Trichloroethene	8.53	130	957456	111.676	ug/l	91
45) 1,2-Dichloropropane	8.94	63	562074	111.551	ug/l	98
46) Dibromomethane	9.06	93	494350	109.549	ug/l	90
47) Bromodichloromethane	9.37	83	1361571	111.134	ug/l	96
48) Methyl methacrylate	9.12	41	437171	105.213	ug/l #	92
49) 1,4-Dioxane	9.09	88	70594	2150.691	ug/l #	87
51) 4-Methyl-2-Pentanone	10.30	43	2167050	546.788	ug/l	98
52) Toluene	10.51	92	1561942	109.901	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	1165297	115.551	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	1167300	111.865	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	516787	108.823	ug/l	95
56) Ethyl methacrylate	11.04	69	601191	115.817	ug/l	95
57) 1,3-Dichloropropane	11.41	76	841446	112.665	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	1342563	514.625	ug/l	96
59) 2-Hexanone	11.53	43	1627596	545.589	ug/l	97
60) Dibromochloromethane	11.68	129	1055055	111.853	ug/l	98
61) 1,2-Dibromoethane	11.80	107	618622	107.415	ug/l	94
64) Tetrachloroethene	11.26	164	853578	110.330	ug/l	96
65) Chlorobenzene	12.40	112	1980043	108.465	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	890601	101.812	ug/l	95
67) Ethyl Benzene	12.52	91	3223583	99.325	ug/l	99
68) m/p-Xylenes	12.67	106	2345983	206.018	ug/l	96
69) o-Xylene	13.05	106	1164536	108.953	ug/l	94
70) Styrene	13.07	104	2059710	108.073	ug/l	97
71) Bromoform	13.24	173	666479	109.615	ug/l	97
73) Isopropylbenzene	13.40	105	3286957	107.935	ug/l	98
74) N-amyl acetate	13.27	43	913453	111.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	577838	112.151	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	661590	114.658	ug/l	99
77) Bromobenzene	13.67	156	935317	109.162	ug/l	96
78) n-propylbenzene	13.78	91	4029018	109.291	ug/l	94
79) 2-Chlorotoluene	13.84	91	2380476	110.682	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	2885177	108.552	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	179960	121.078	ug/l #	96
82) 4-Chlorotoluene	13.95	91	2757899	106.582	ug/l	99
83) tert-Butylbenzene	14.19	119	3091273	104.246	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	2613255	97.868	ug/l	96
85) sec-Butylbenzene	14.37	105	3289536	106.673	ug/l	98
86) p-Isopropyltoluene	14.49	119	3285539	109.820	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1659999	104.741	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	1579400	106.097	ug/l	97
89) n-Butylbenzene	14.79	91	2988173	109.623	ug/l	99
90) Hexachloroethane	15.01	117	884320	112.217	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	1435694	110.223	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	118693	104.318	ug/l #	42

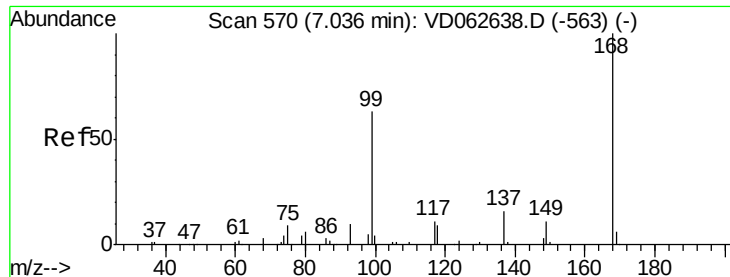
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	1131837	114.537	ug/l	96
94) Hexachlorobutadiene	16.03	225	886803	113.650	ug/l	99
95) Naphthalene	16.12	128	1599136	116.482	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	866624	115.754	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

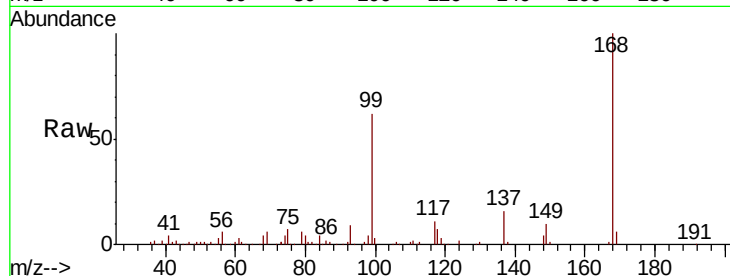
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 704901

Ion Ratio Lower Upper

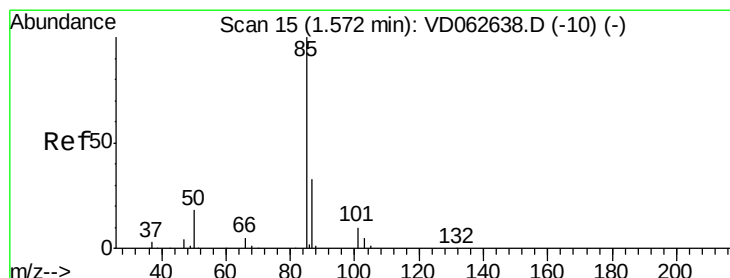
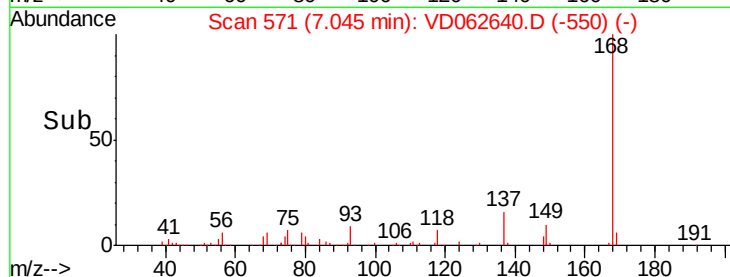
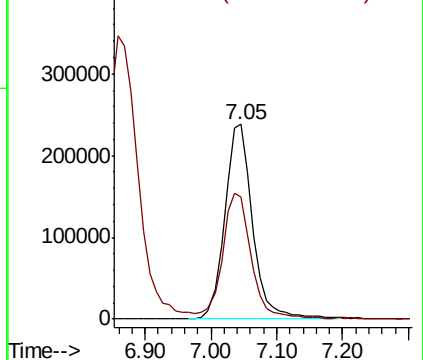
168 100

99 62.5 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 86.387 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062640.D

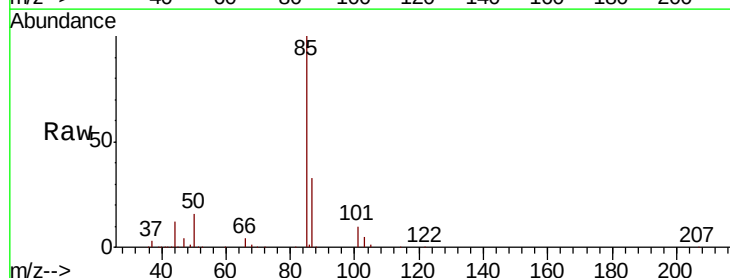
Acq: 7 Jun 2019 13:09

Tgt Ion: 85 Resp: 783766

Ion Ratio Lower Upper

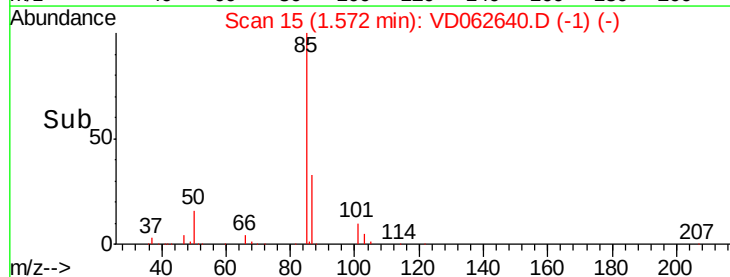
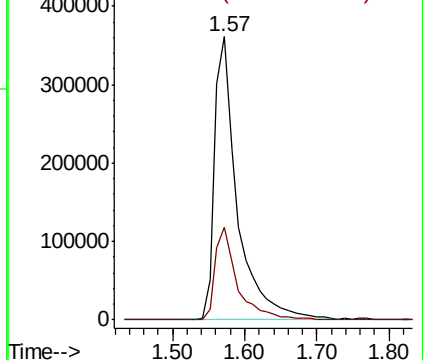
85 100

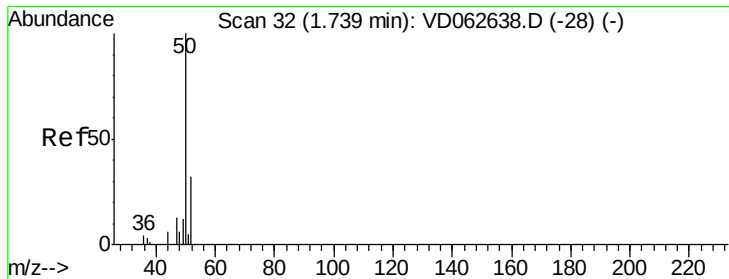
87 32.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 90.523 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

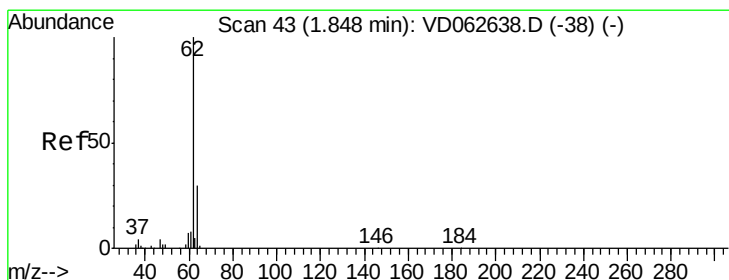
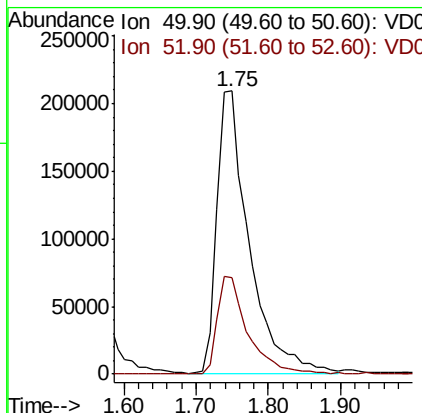
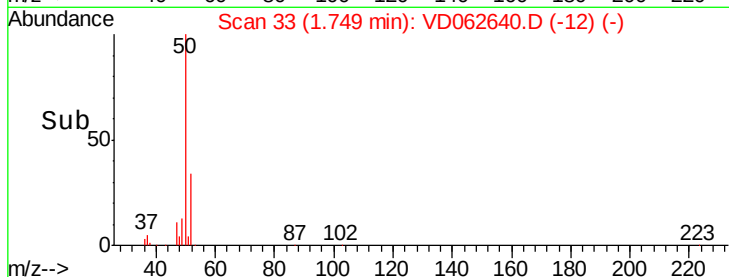
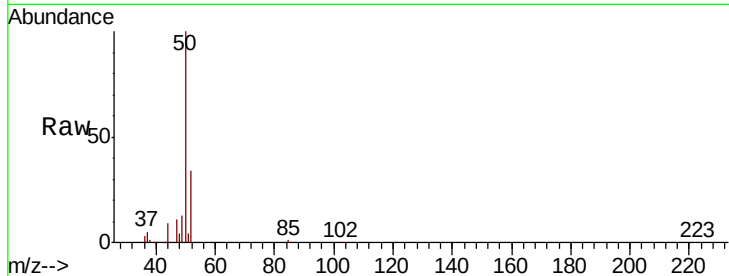
ClientSampleId :

Tot Ion: 50 Resp: 643211

Ion Ratio Lower Upper

50 100

52 34.1 25.8 38.8



#4

Vinyl Chloride

Concen: 102.023 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062640.D

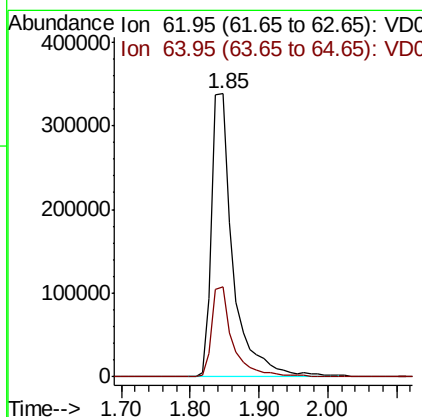
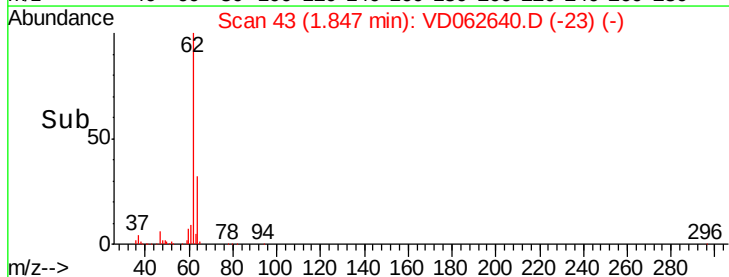
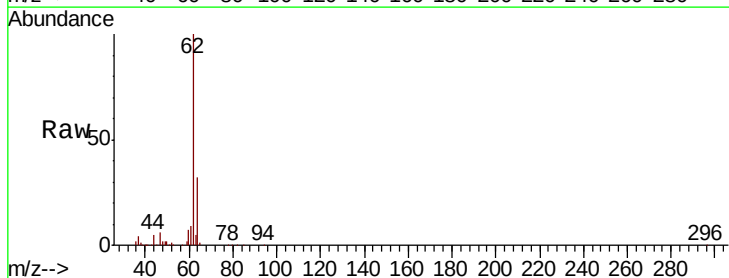
Acq: 7 Jun 2019 13:09

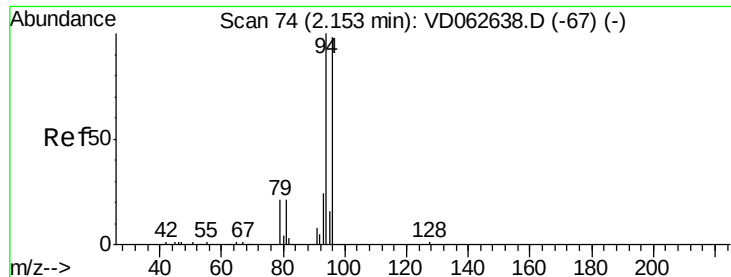
Tgt Ion: 62 Resp: 732426

Ion Ratio Lower Upper

62 100

64 32.1 24.2 36.4





#5

Bromomethane

Concen: 97.923 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampled :

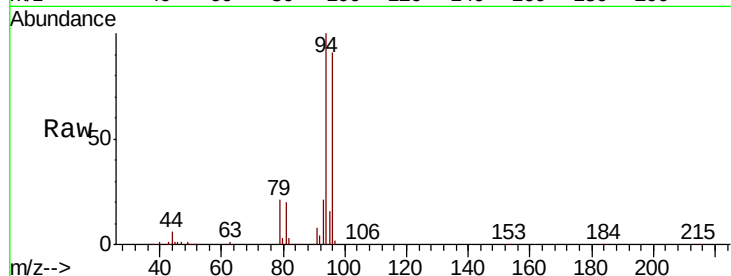
Tot Ion: 94 Resp: 352636

Ion Ratio Lower Upper

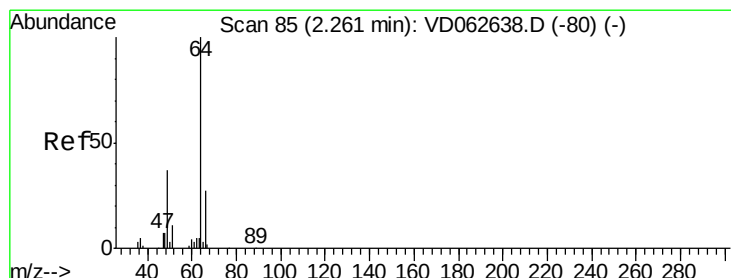
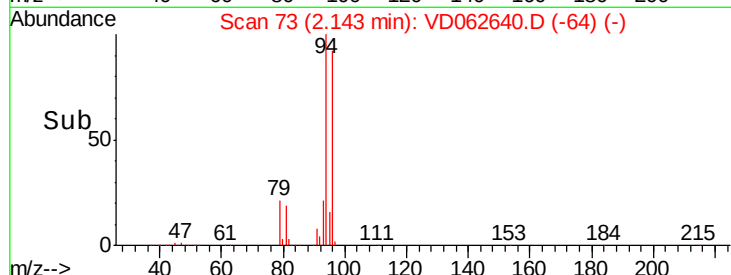
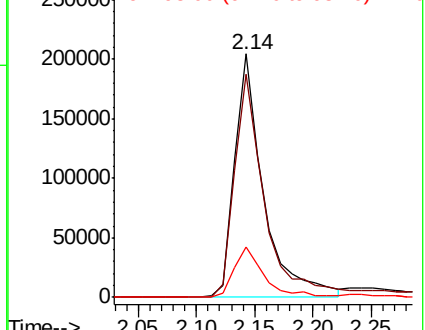
94 100

96 91.4 78.1 117.1

93 20.5 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: 99.772 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062640.D

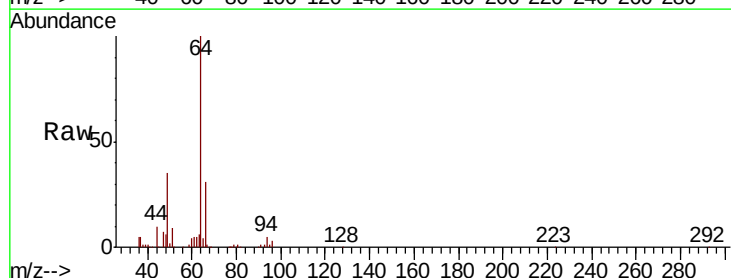
Acq: 7 Jun 2019 13:09

Tgt Ion: 64 Resp: 370087

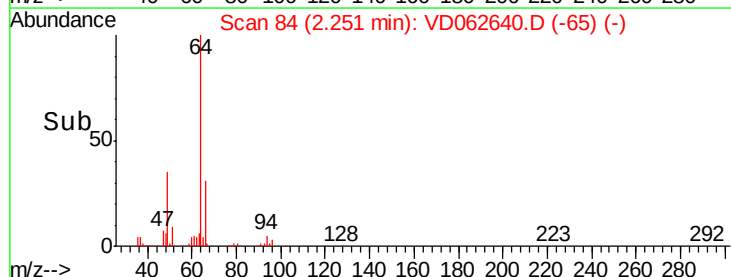
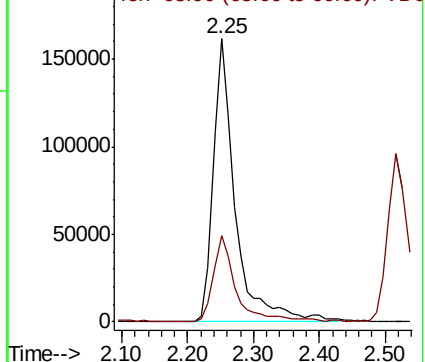
Ion Ratio Lower Upper

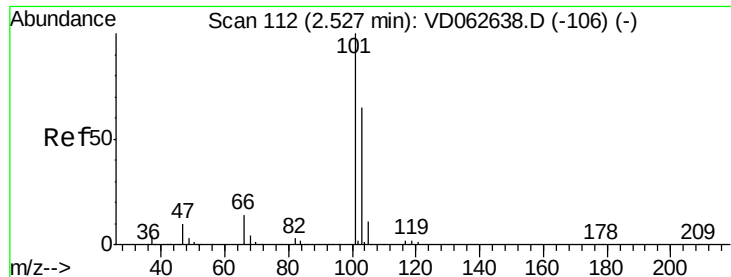
64 100

66 30.7 21.9 32.9



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



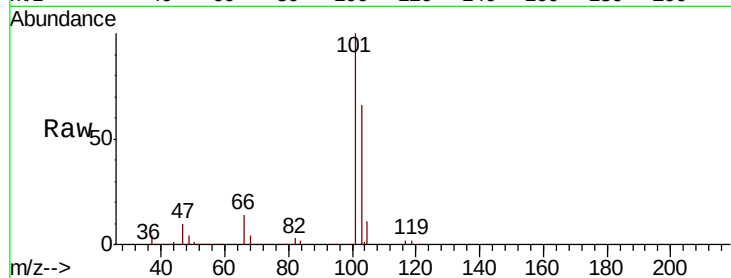


#7

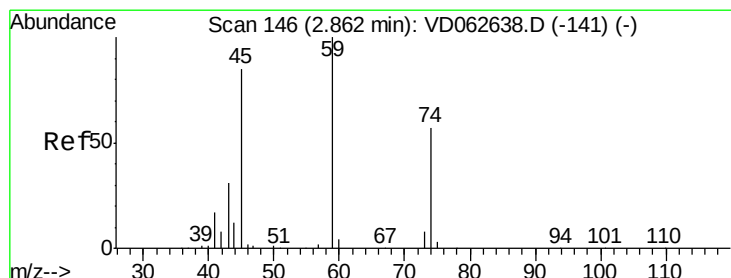
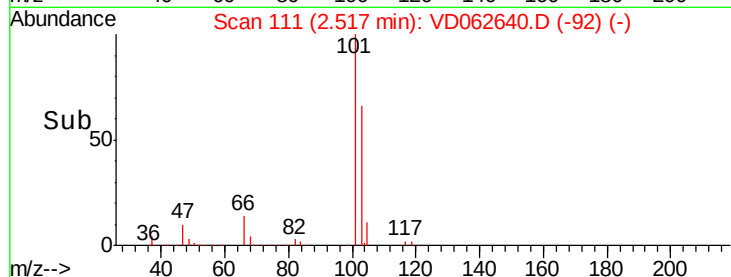
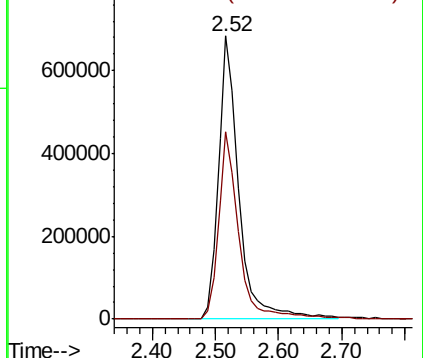
Trichlorofluoromethane
Concen: 95.682 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 1561146
Ion Ratio Lower Upper
101 100
103 66.2 52.2 78.2



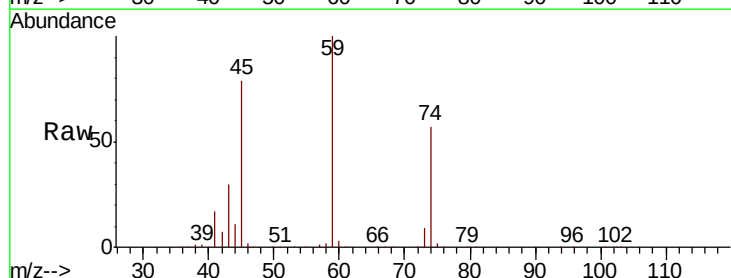
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



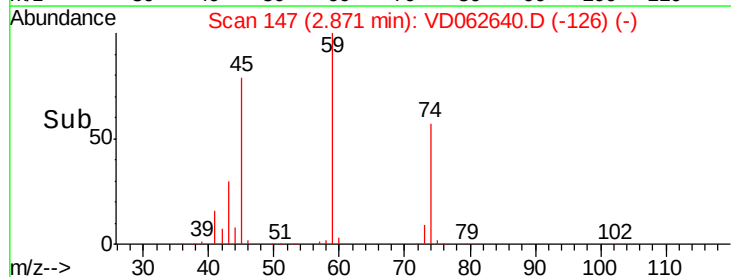
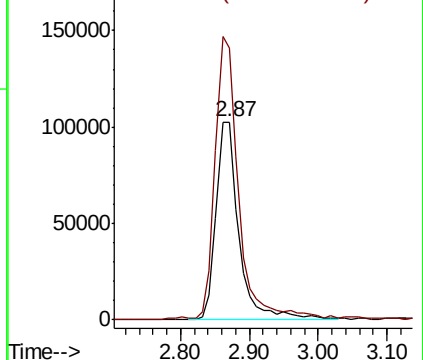
#8

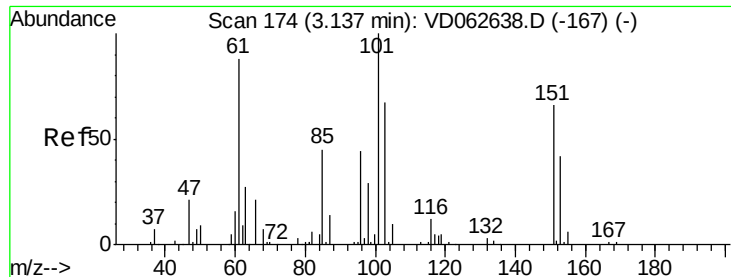
Diethyl Ether
Concen: 106.682 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 74 Resp: 237368
Ion Ratio Lower Upper
74 100
45 137.3 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: 100.280 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

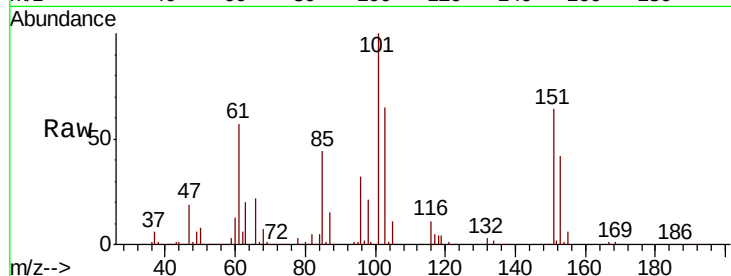
Tot Ion:101 Resp: 907346

Ion Ratio Lower Upper

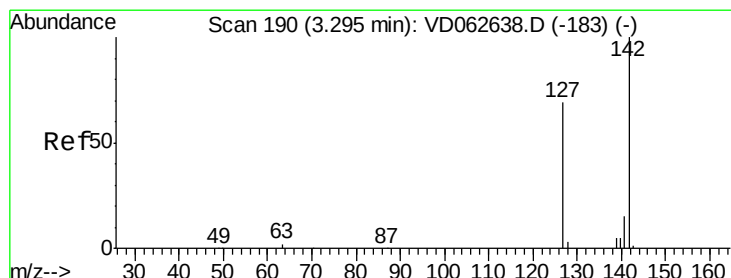
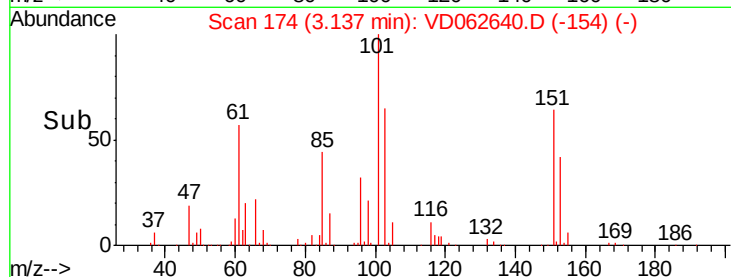
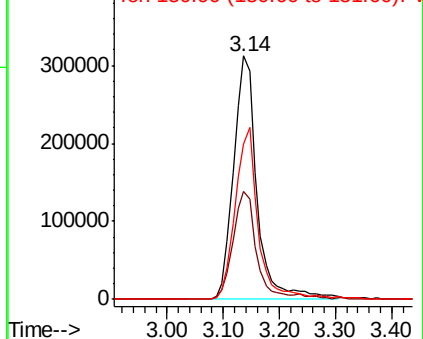
101 100

85 44.3 36.0 54.0

151 64.0 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: 115.056 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

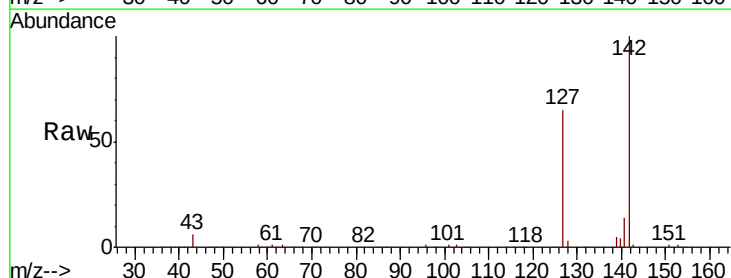
Tgt Ion:142 Resp: 1327165

Ion Ratio Lower Upper

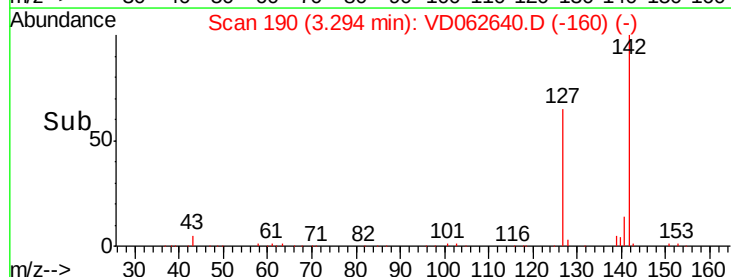
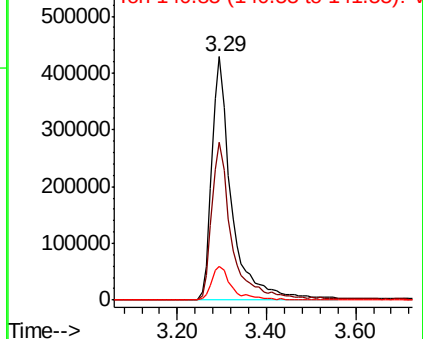
142 100

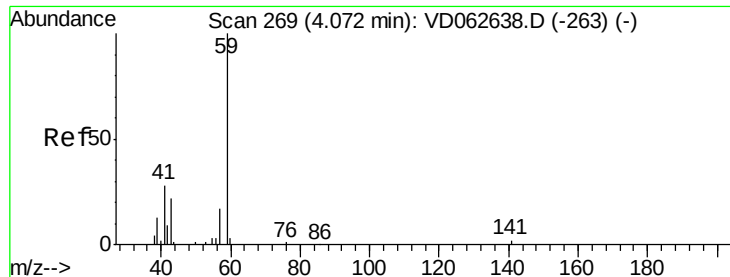
127 64.9 55.2 82.8

141 13.7 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



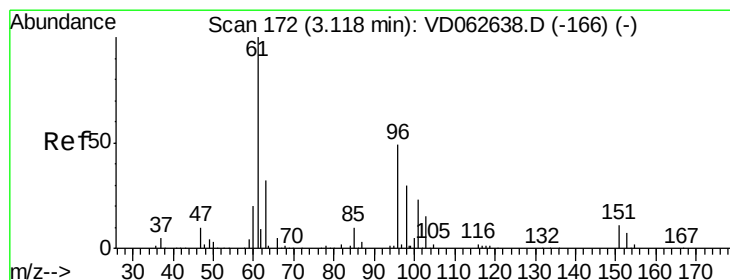
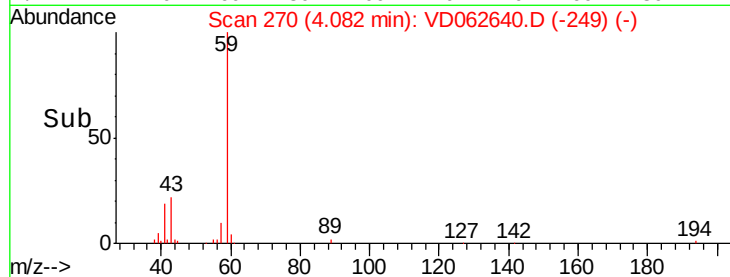
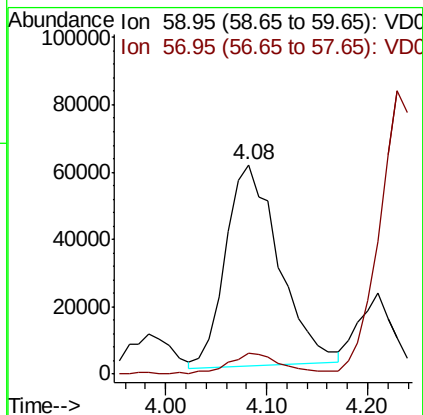
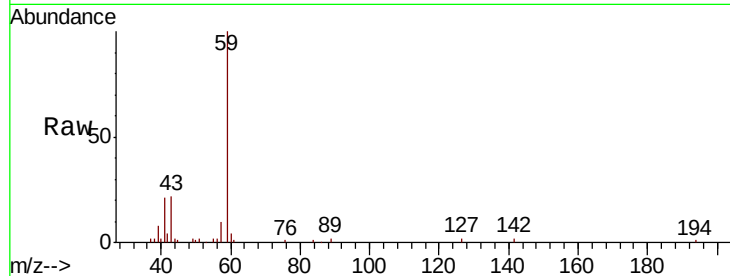


#11

Tert butyl alcohol
 Concen: 495.930 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.01 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :

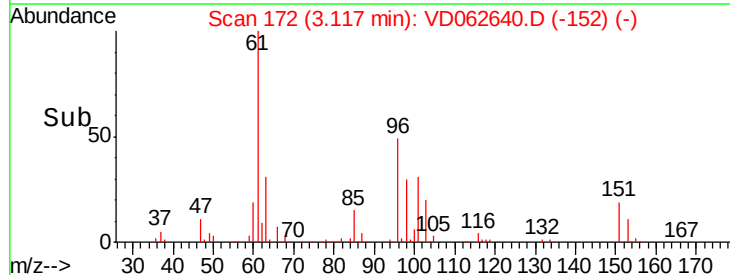
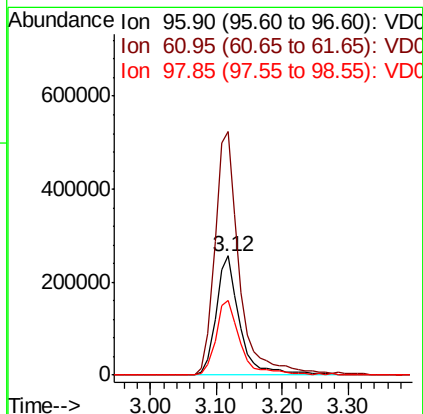
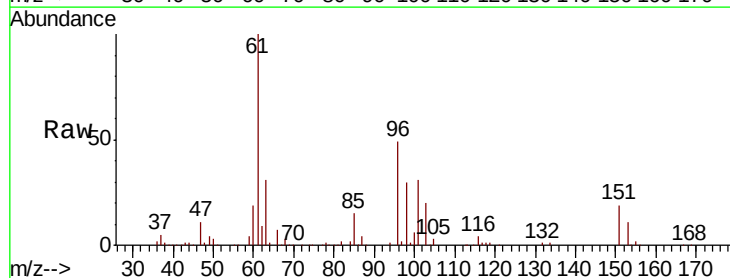
Tot Ion: 59 Resp: 220766
 Ion Ratio Lower Upper
 59 100
 57 10.3 13.7 20.5#

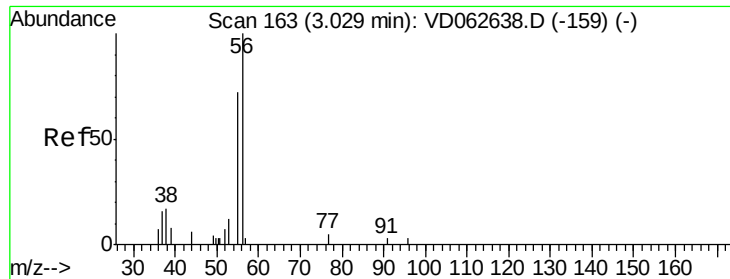


#12

1,1-Dichloroethene
 Concen: 101.778 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 96 Resp: 641669
 Ion Ratio Lower Upper
 96 100
 61 204.3 161.8 242.8
 98 62.3 48.2 72.4





#13

Acrolein

Concen: 529.521 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

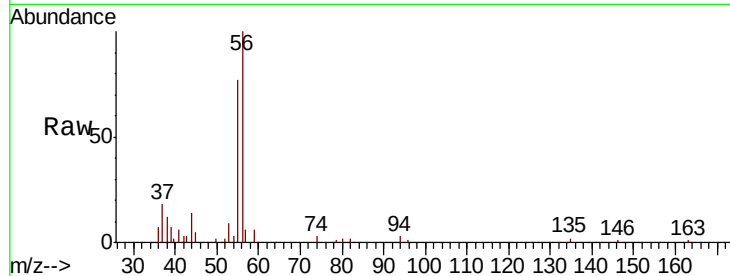
ClientSampleId :

Tot Ion: 56 Resp: 65146

Ion Ratio Lower Upper

56 100

55 76.6 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

25000

20000

15000

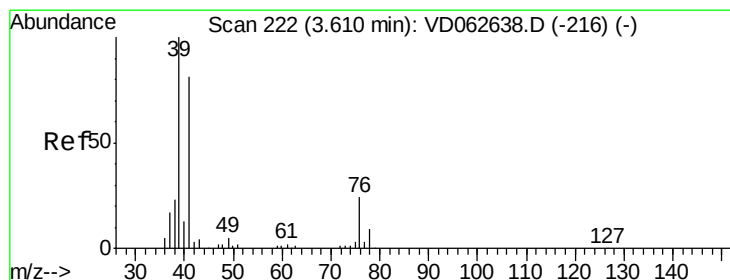
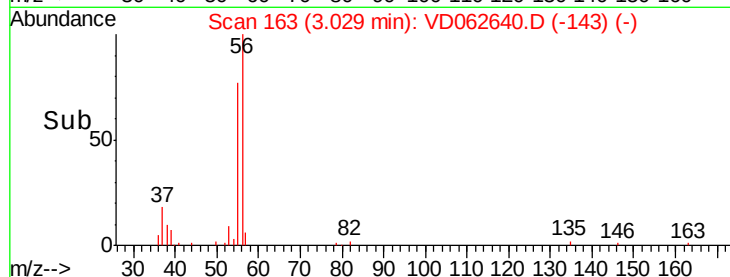
10000

5000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 107.344 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

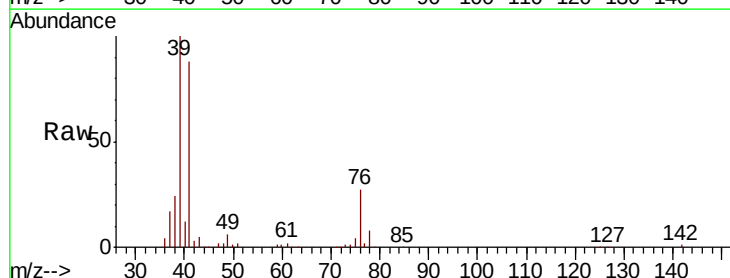
Tgt Ion: 41 Resp: 1040471

Ion Ratio Lower Upper

41 100

39 113.3 99.1 148.7

76 30.9 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

600000

500000

400000

300000

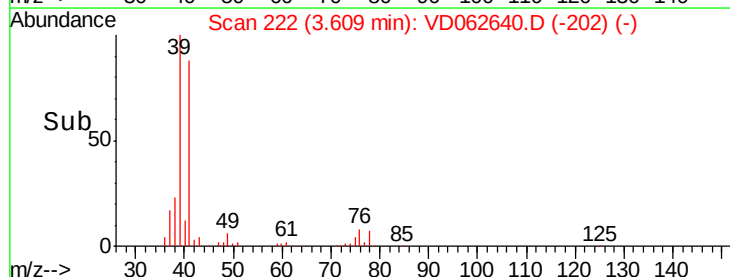
200000

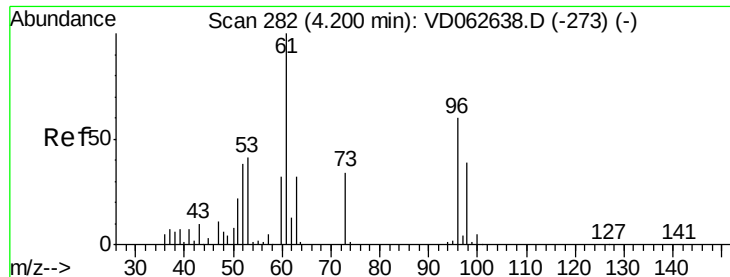
100000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 552.358 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

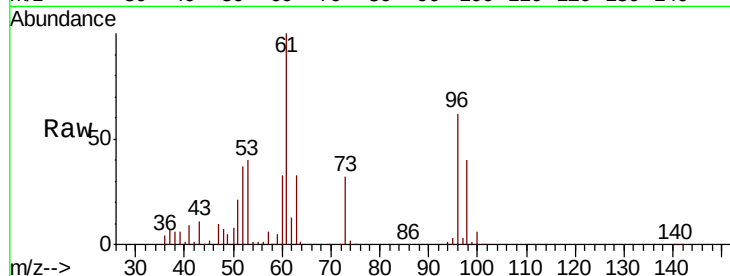
Tot Ion: 53 Resp: 532340

Ion Ratio Lower Upper

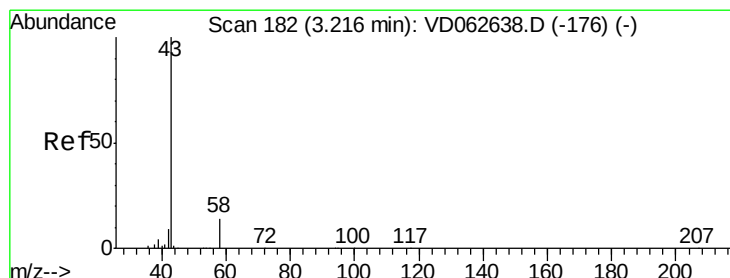
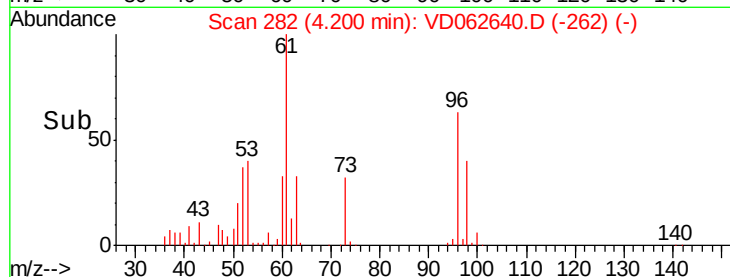
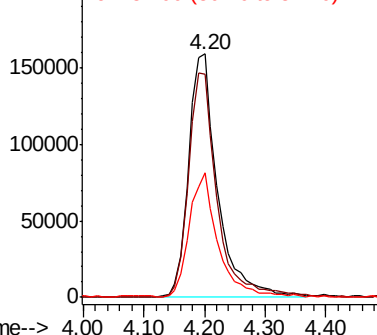
53 100

52 91.5 73.6 110.4

51 51.3 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: 534.739 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD062640.D

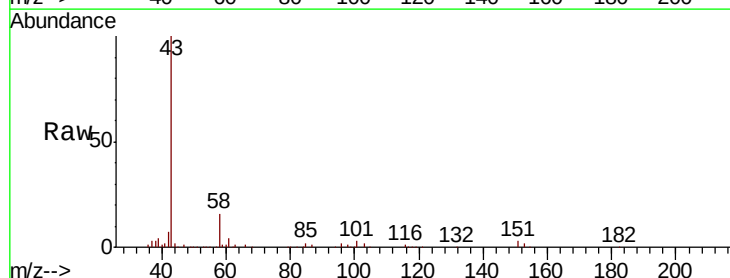
Acq: 7 Jun 2019 13:09

Tgt Ion: 43 Resp: 1019120

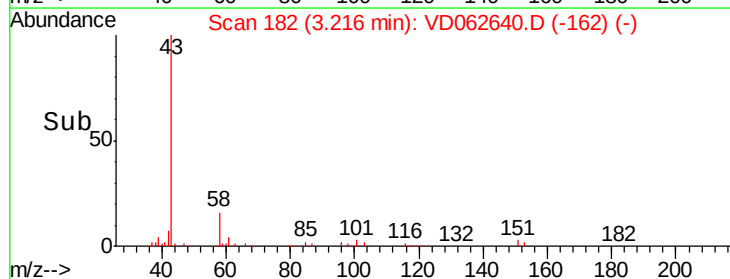
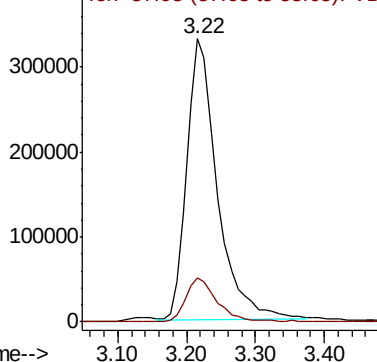
Ion Ratio Lower Upper

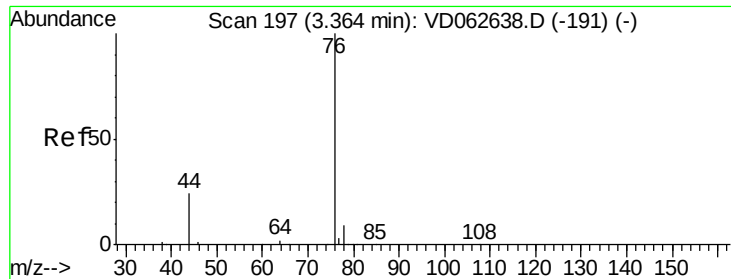
43 100

58 15.5 10.8 16.2



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

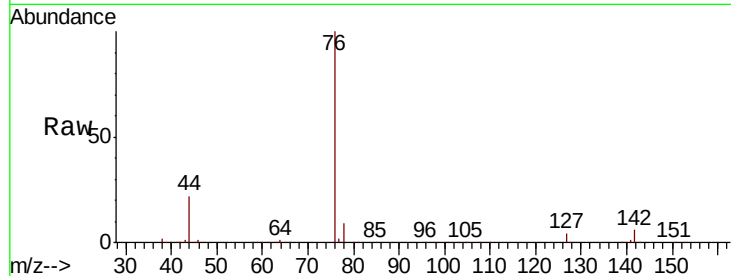




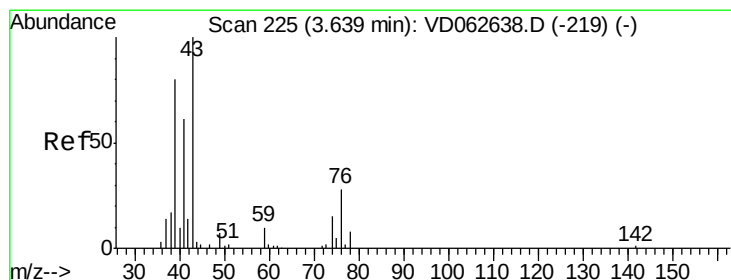
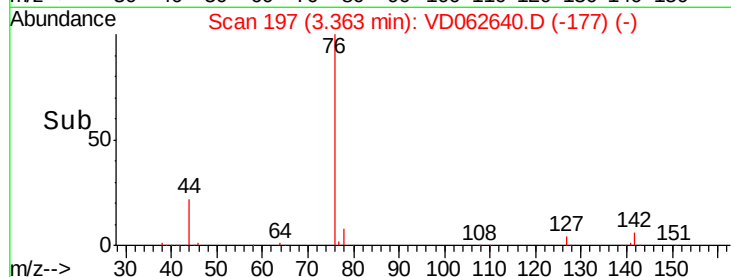
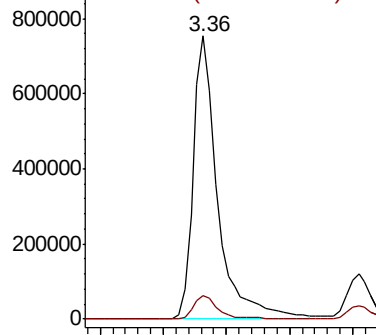
#17
Carbon Disulfide
Concen: 108.102 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 2036492
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4

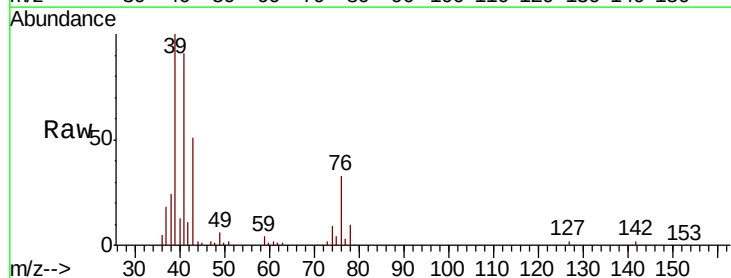


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

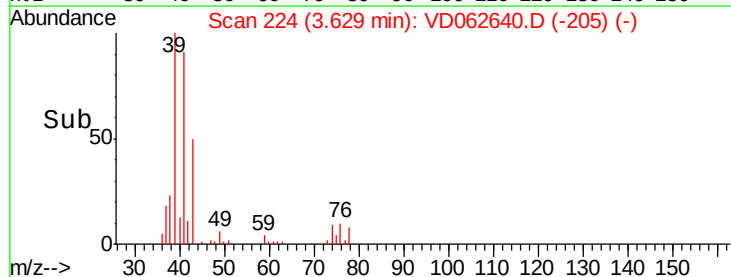
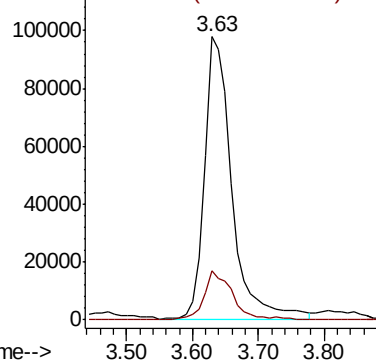


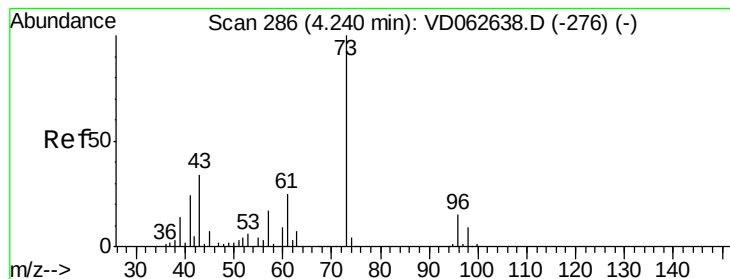
#18
Methyl Acetate
Concen: 92.997 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 43 Resp: 288427
Ion Ratio Lower Upper
43 100
74 17.2 12.1 18.1



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



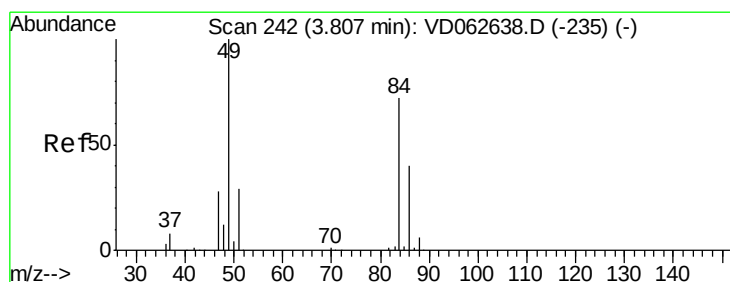
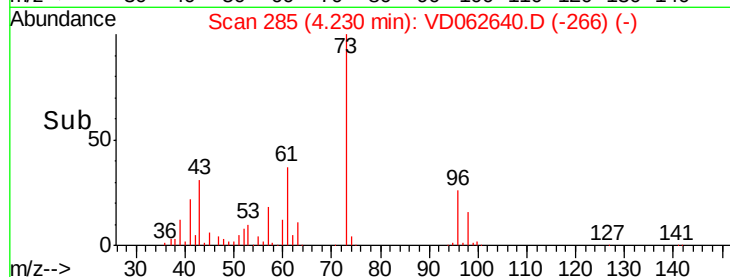
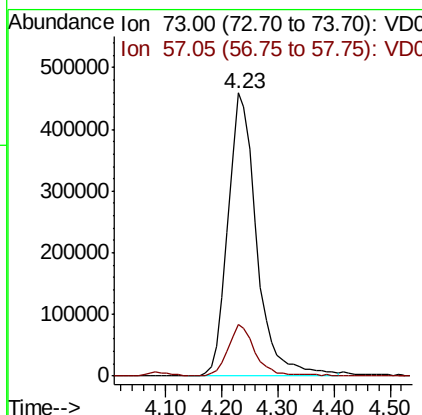
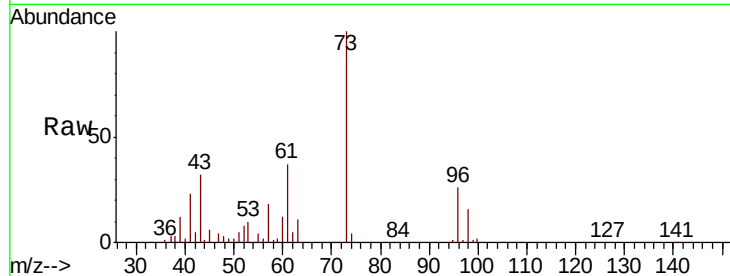


#19

Methyl tert-butyl Ether
 Concen: 105.153 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleID :

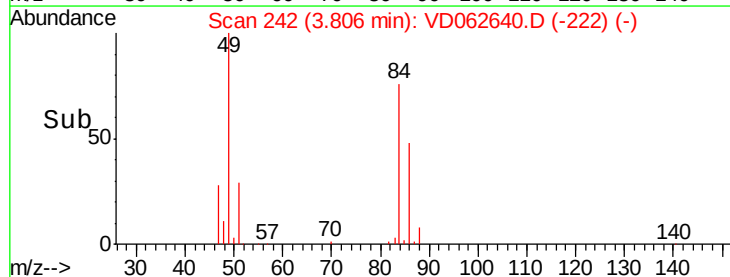
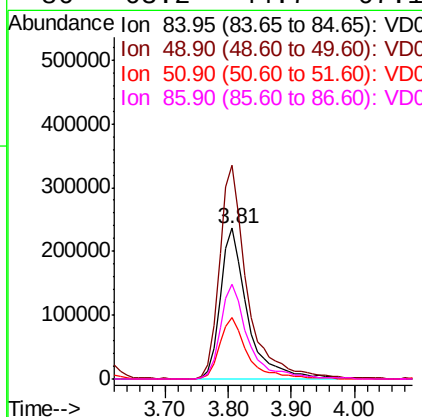
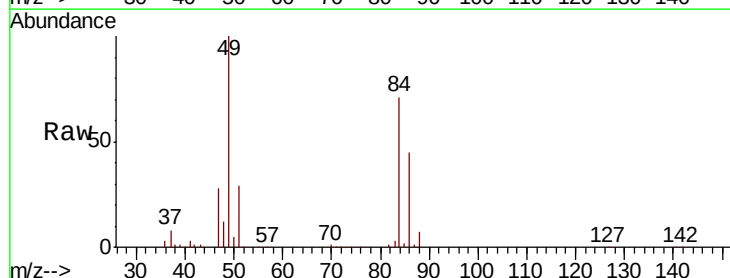
Tot Ion: 73 Resp: 1634855
 Ion Ratio Lower Upper
 73 100
 57 18.3 13.5 20.3

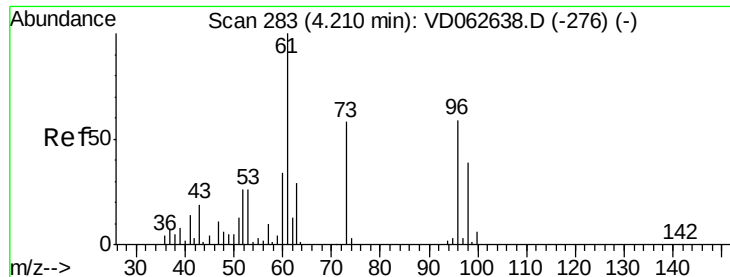


#20

Methylene Chloride
 Concen: 99.782 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 84 Resp: 709196
 Ion Ratio Lower Upper
 84 100
 49 141.7 111.2 166.8
 51 40.6 31.9 47.9
 86 63.2 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 107.094 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampled :

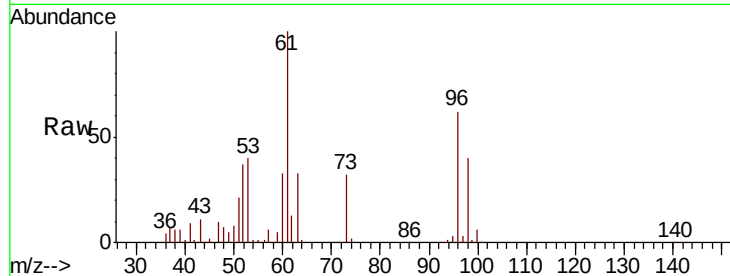
Tot Ion: 96 Resp: 756283

Ion Ratio Lower Upper

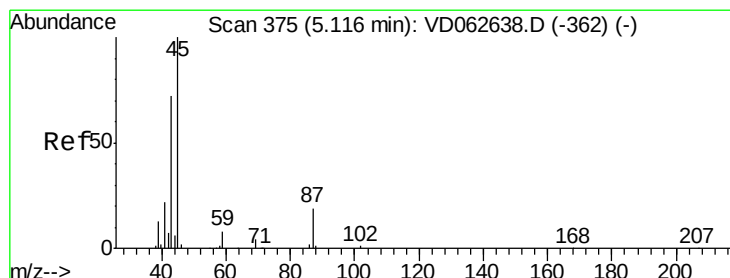
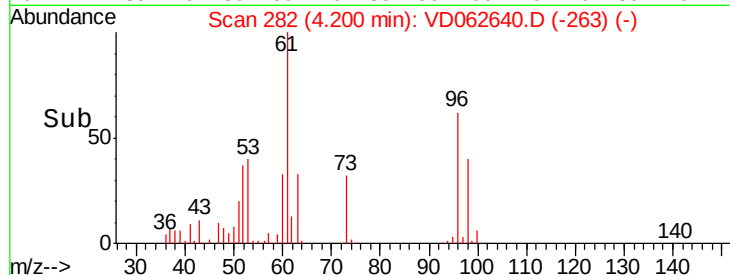
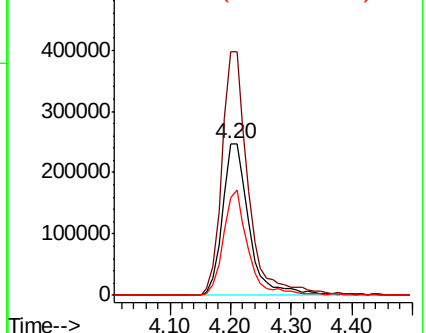
96 100

61 160.3 134.6 201.8

98 64.5 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: 110.804 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Tgt Ion: 45 Resp: 2198259

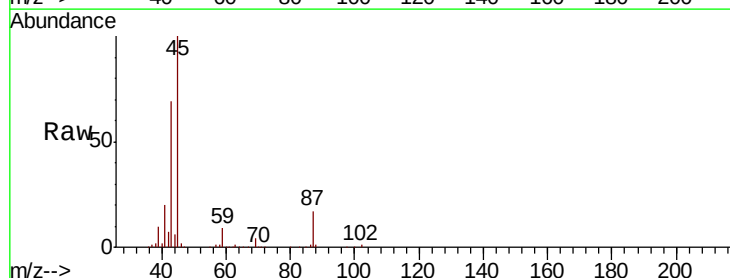
Ion Ratio Lower Upper

45 100

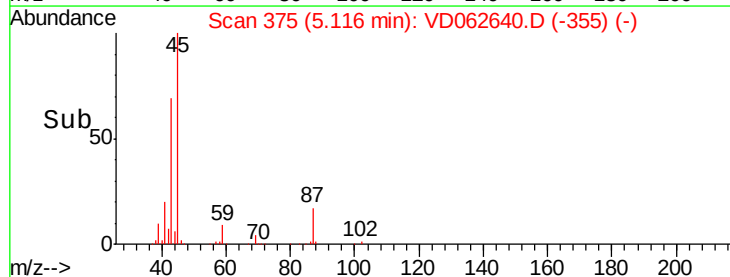
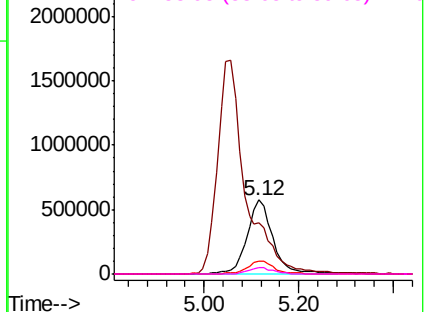
43 68.9 58.8 88.2

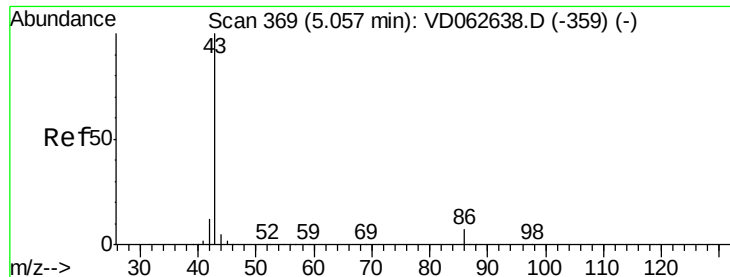
87 17.5 15.7 23.5

59 8.7 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: 542.806 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

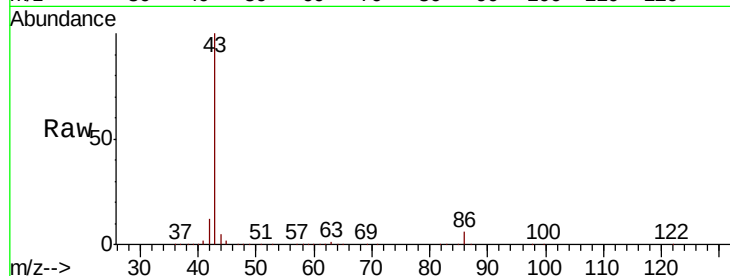
ClientSampleId :

Tot Ion: 43 Resp: 6795019

Ion Ratio Lower Upper

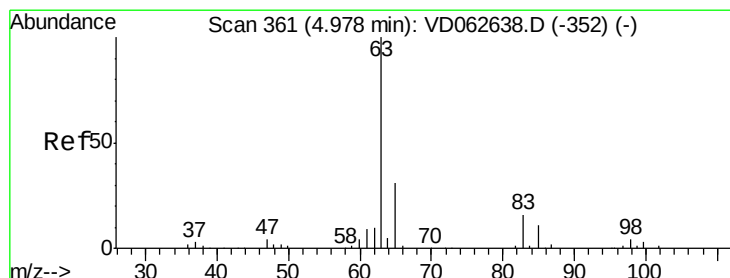
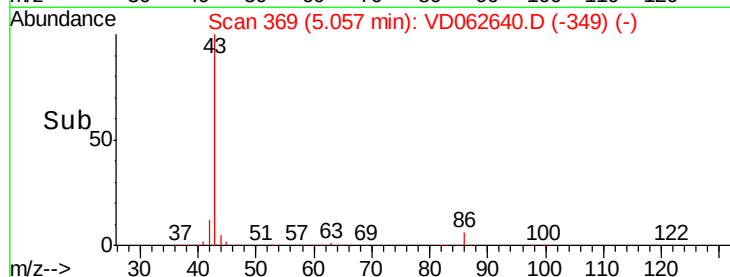
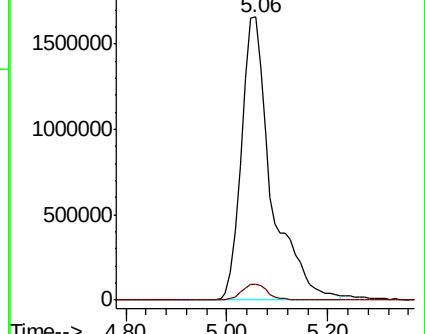
43 100

86 5.8 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: 109.512 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

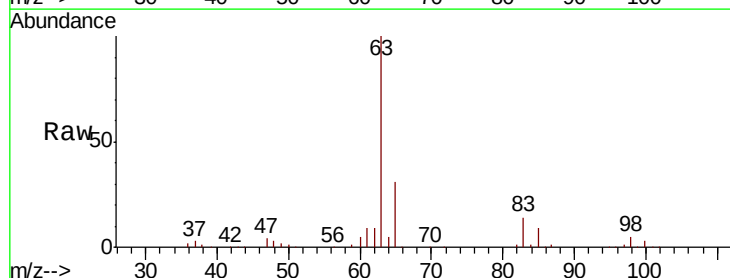
Tgt Ion: 63 Resp: 1434584

Ion Ratio Lower Upper

63 100

98 4.5 1.8 5.4

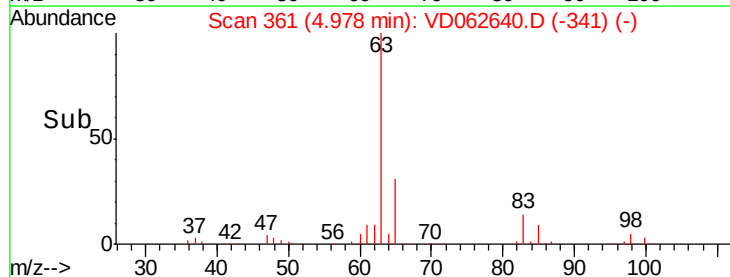
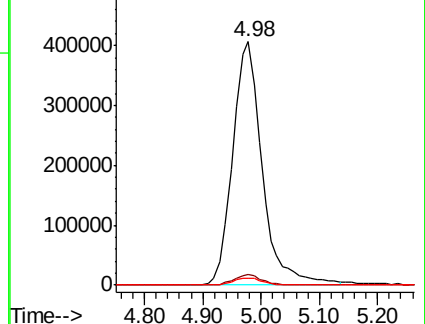
100 2.6 1.5 4.4

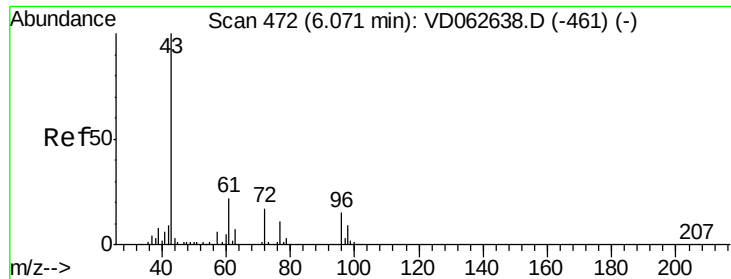


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 538.469 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

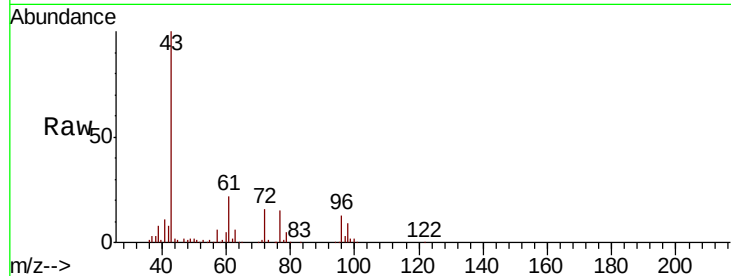
ClientSampleId :

Tot Ion: 43 Resp: 1000265

Ion Ratio Lower Upper

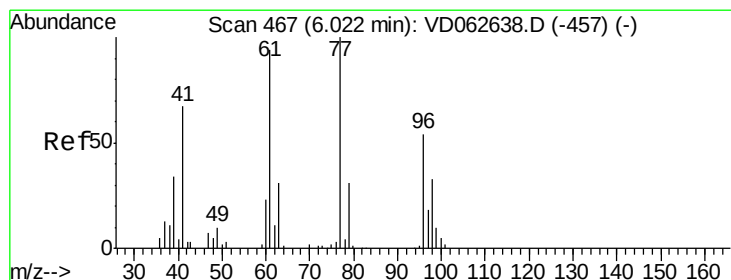
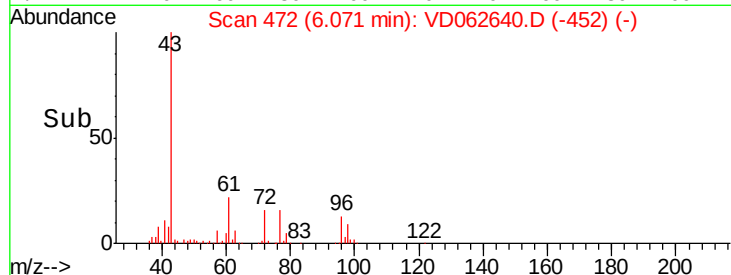
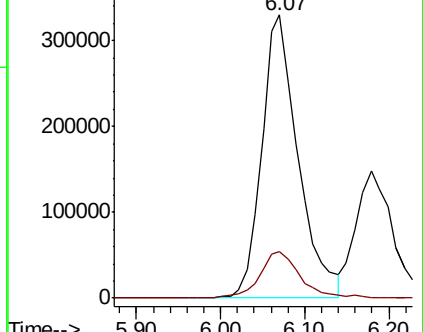
43 100

72 16.5 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: 105.474 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062640.D

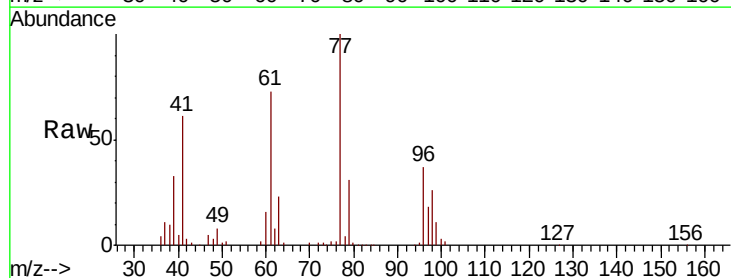
Acq: 7 Jun 2019 13:09

Tgt Ion: 77 Resp: 1598462

Ion Ratio Lower Upper

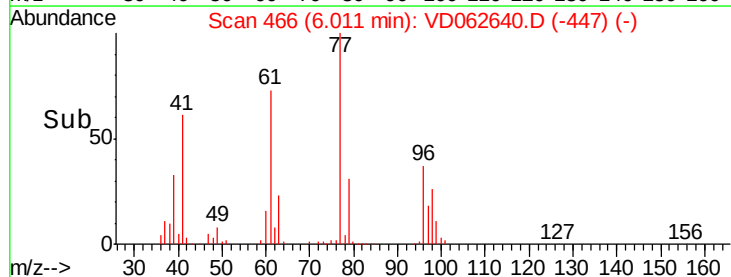
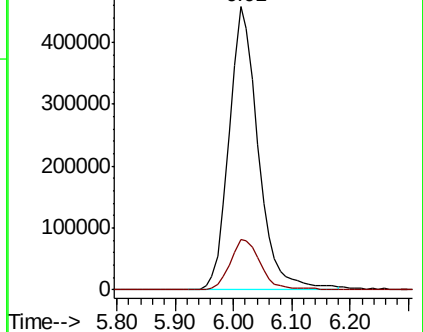
77 100

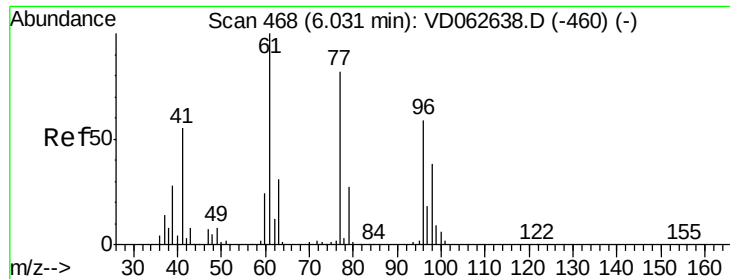
97 17.8 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

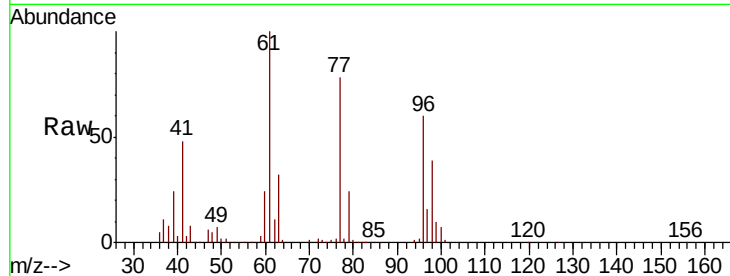




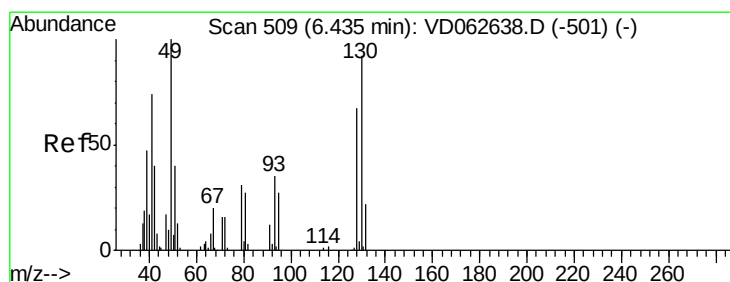
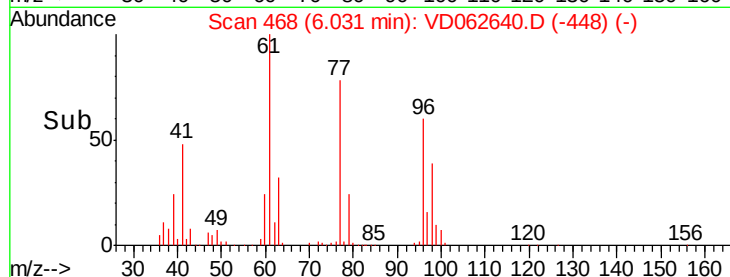
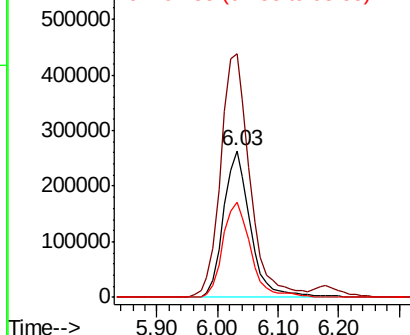
#27
 cis-1,2-Dichloroethene
 Concen: 108.564 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 815864
 Ion Ratio Lower Upper
 96 100
 61 165.8 0.0 340.0
 98 65.0 0.0 127.6

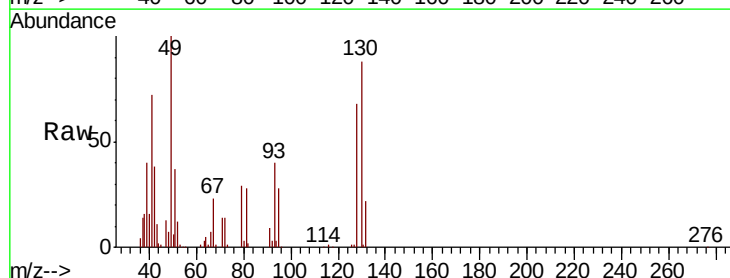


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

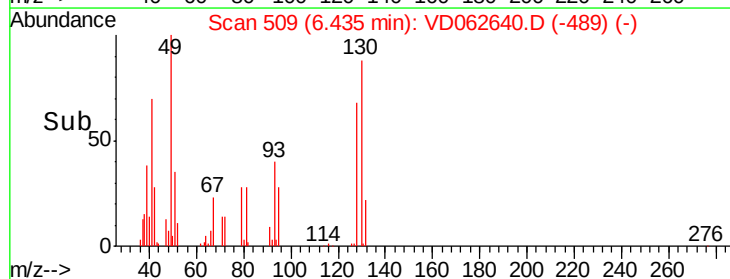
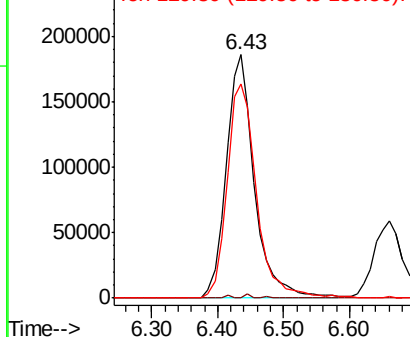


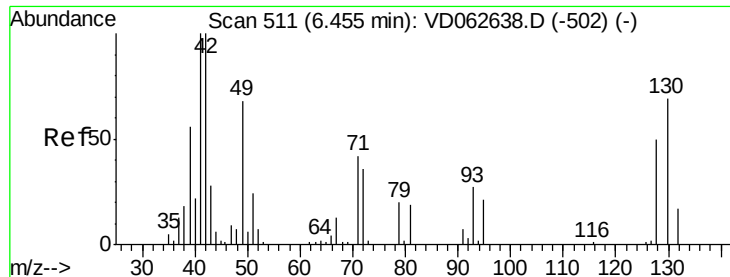
#28
 Bromochloromethane
 Concen: 118.501 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 49 Resp: 555857
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 8.2
 130 88.2 73.4 110.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

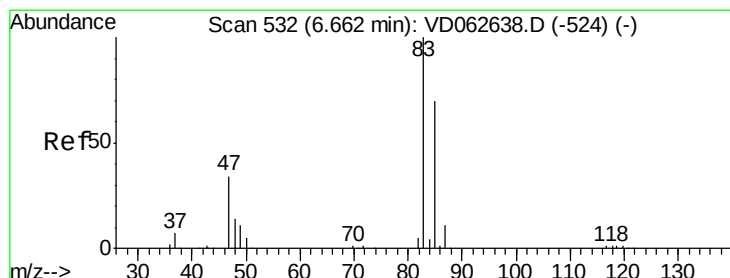
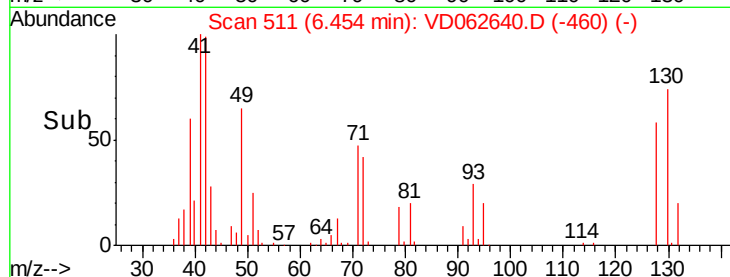
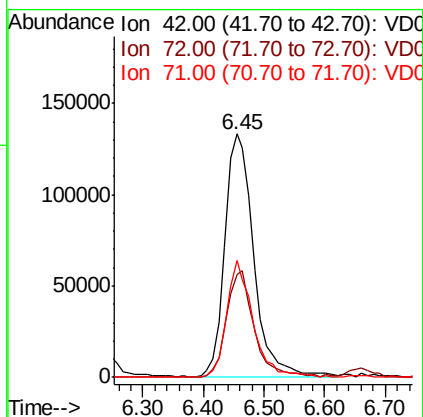
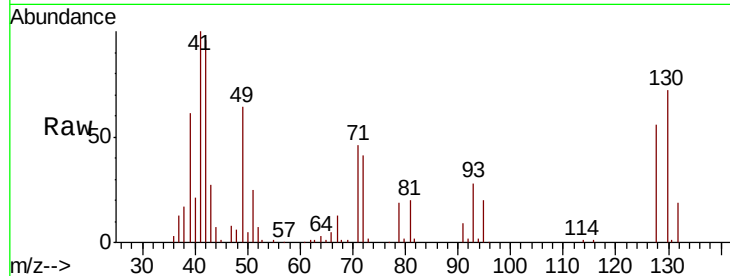




#29
Tetrahydrofuran
Concen: 530.049 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

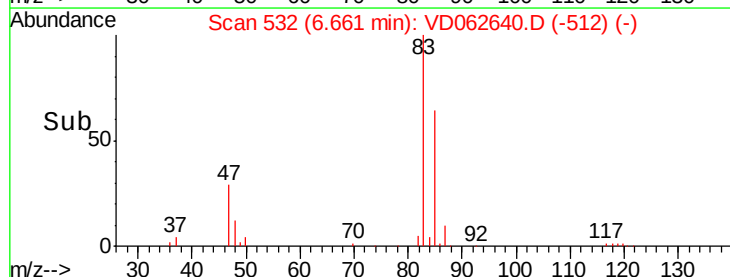
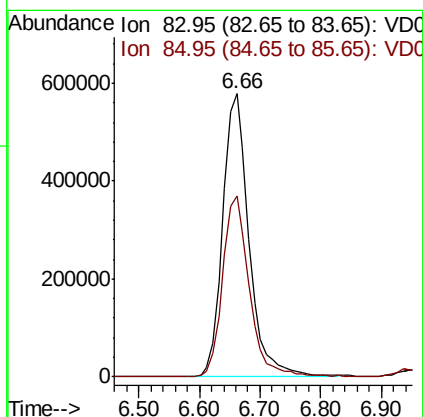
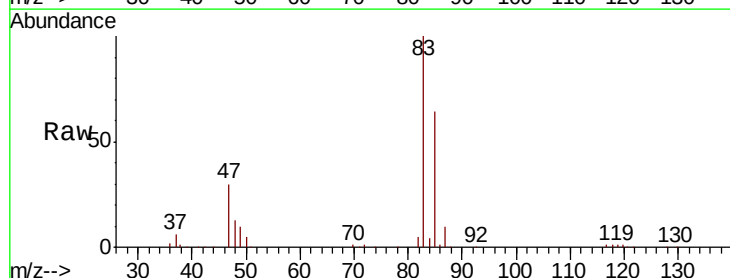
Instrument :
MSVOA_D
ClientSampleId :

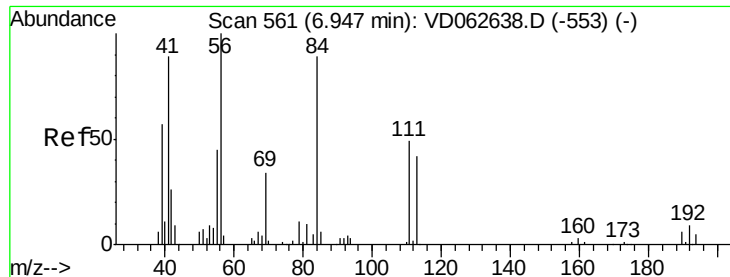
Tot Ion: 42 Resp: 443081
Ion Ratio Lower Upper
42 100
72 41.5 33.8 50.6
71 43.8 34.2 51.4



#30
Chloroform
Concen: 103.466 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 83 Resp: 1744714
Ion Ratio Lower Upper
83 100
85 63.8 55.8 83.6

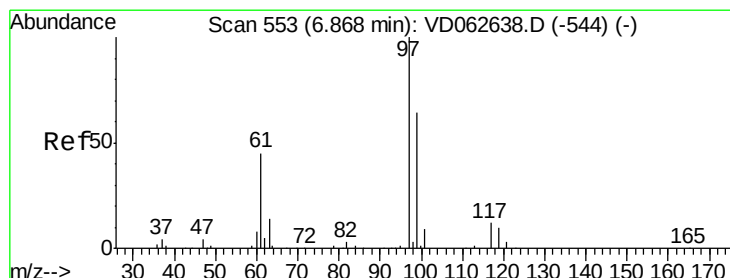
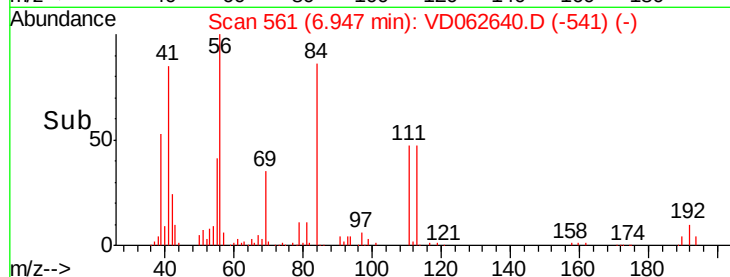
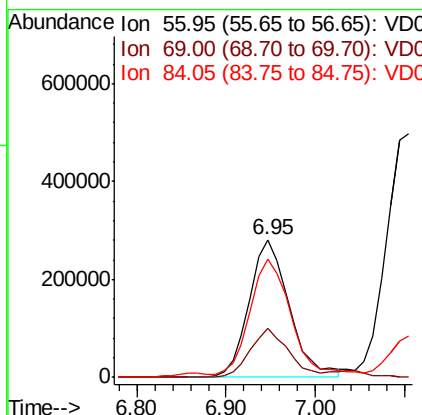
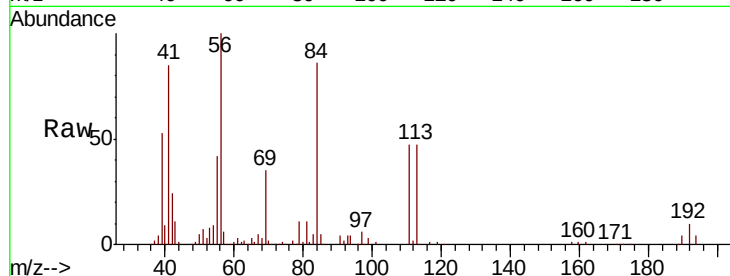




#31
Cyclohexane
Concen: 108.962 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

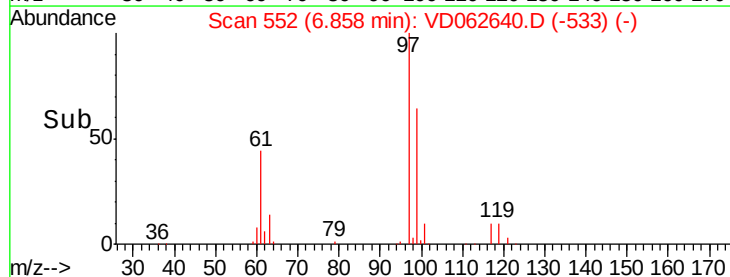
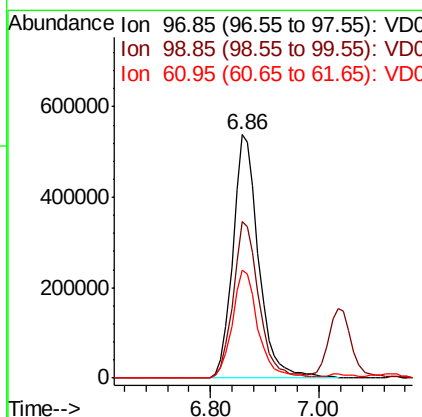
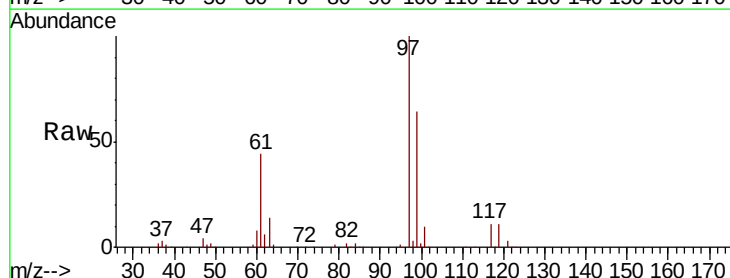
Instrument :
MSVOA_D
ClientSampled :

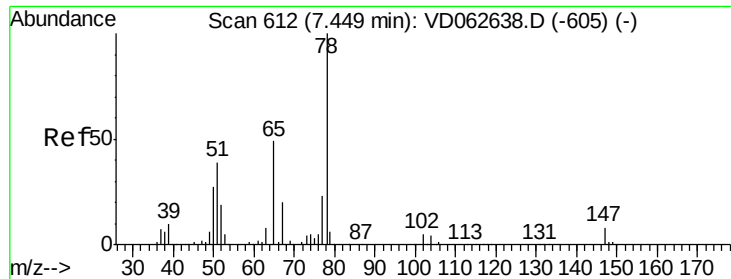
Tot Ion: 56 Resp: 874839
Ion Ratio Lower Upper
56 100
69 35.3 26.8 40.2
84 86.0 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 104.711 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 97 Resp: 1785696
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 44.1 35.6 53.4

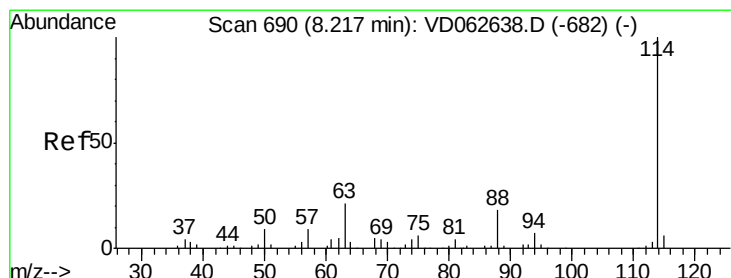
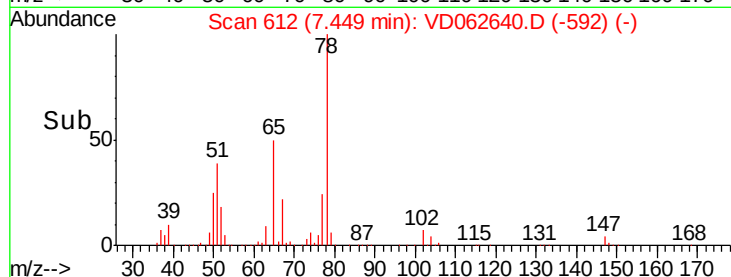
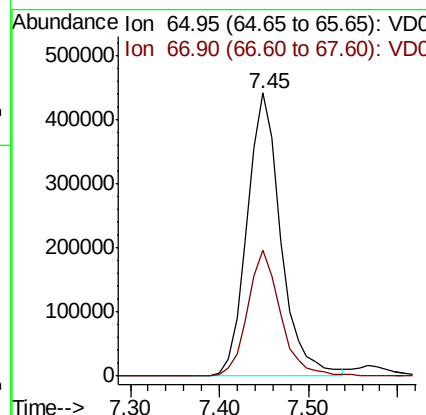
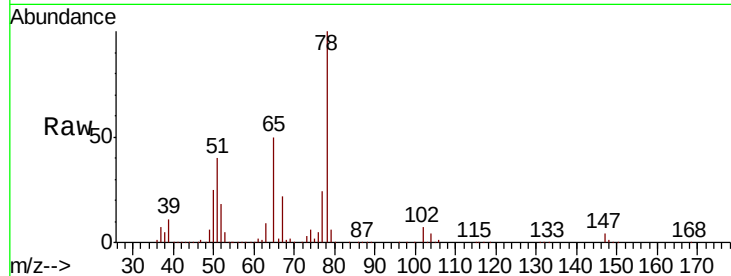




#33
 1,2-Dichloroethane-d4
 Concen: 112.236 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

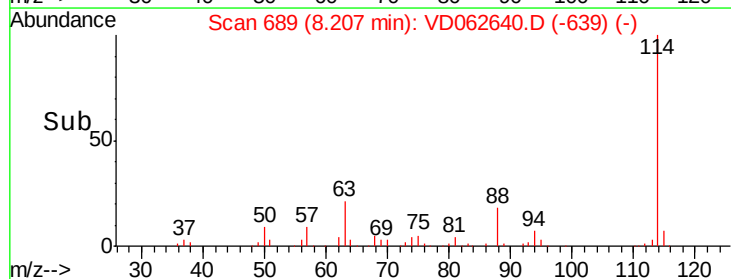
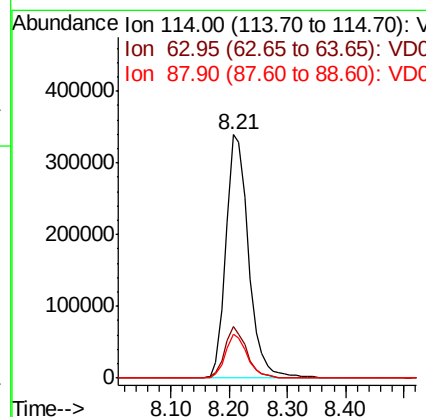
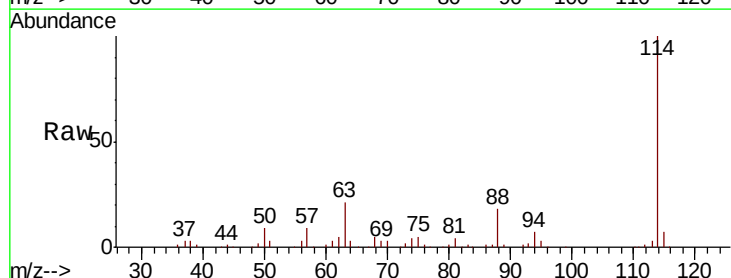
Instrument :
 MSVOA_D
 ClientSampled :

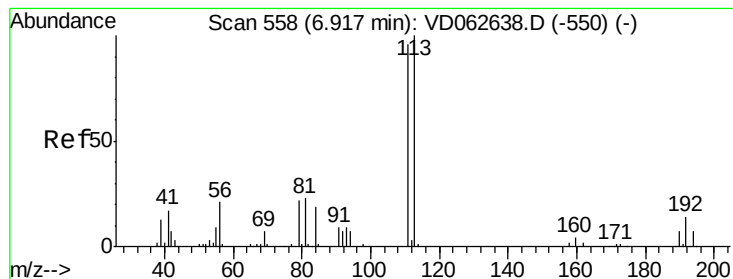
Tot Ion: 65 Resp: 1151168
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 114 Resp: 915495
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 18.1 0.0 36.8





#35

Dibromofluoromethane

Concen: 115.154 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

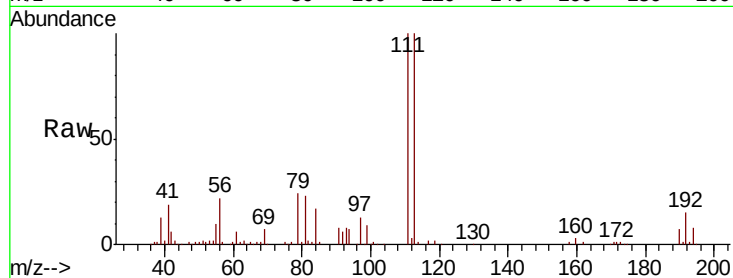
Tot Ion:113 Resp: 1112063

Ion	Ratio	Lower	Upper
113	100		
111	100.4	76.4	114.6
192	15.3	11.4	17.0

113 100

111 100.4 76.4 114.6

192 15.3 11.4 17.0

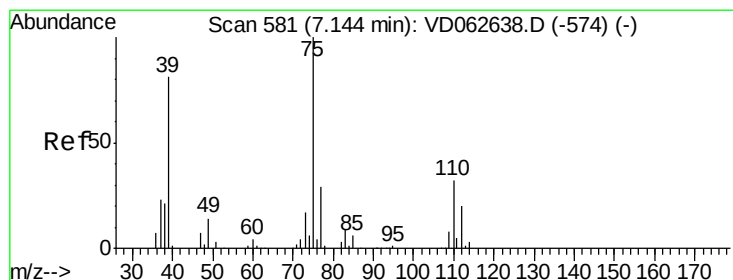
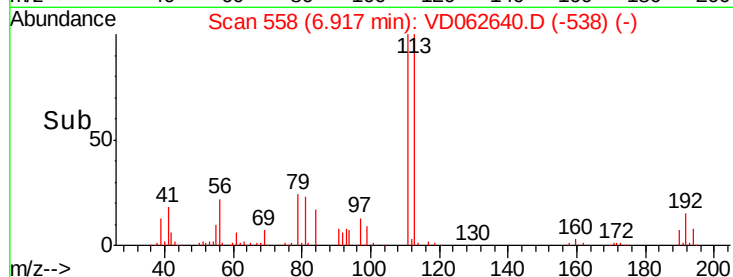
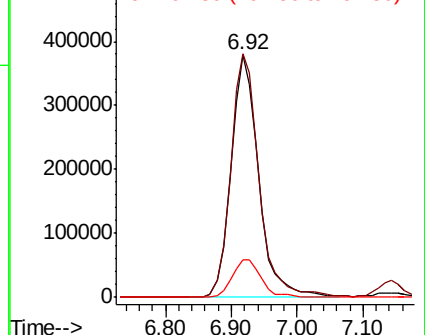


Abundance

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: 111.333 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

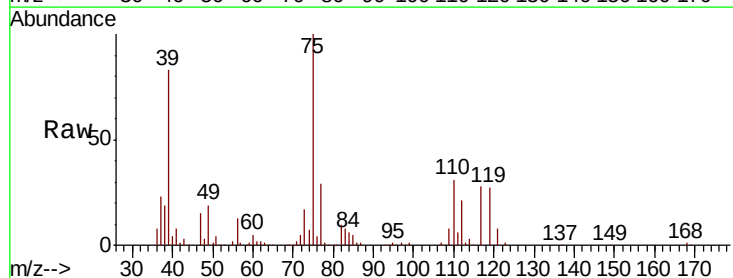
Tgt Ion: 75 Resp: 1213910

Ion	Ratio	Lower	Upper
75	100		
110	31.2	15.9	47.7
77	29.2	23.3	34.9

75 100

110 31.2 15.9 47.7

77 29.2 23.3 34.9

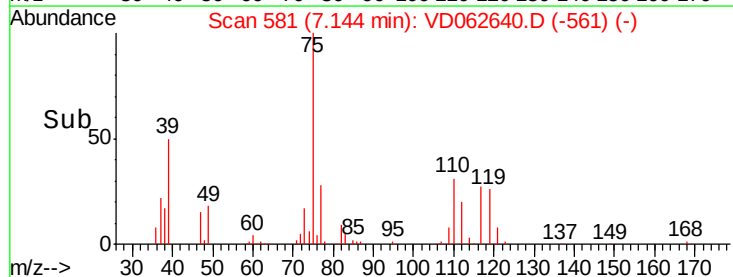
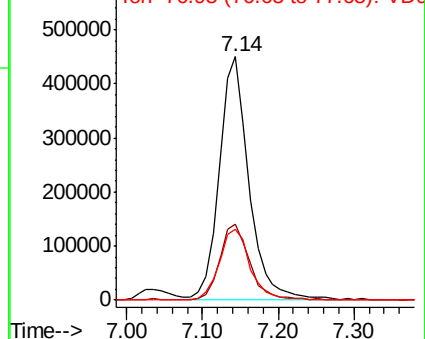


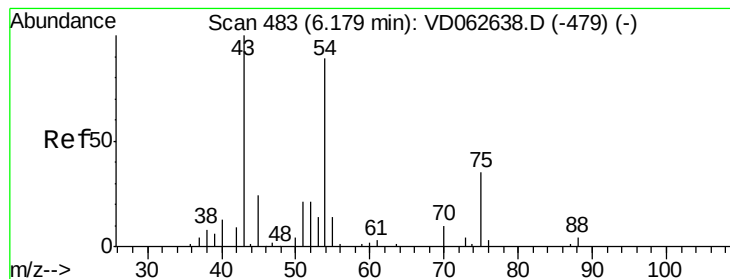
Abundance

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: 97.270 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

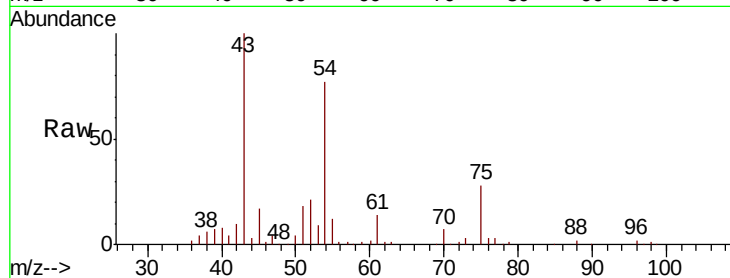
Tot Ion: 43 Resp: 462358

Ion Ratio Lower Upper

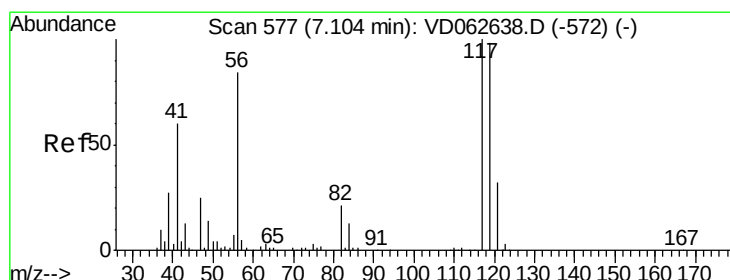
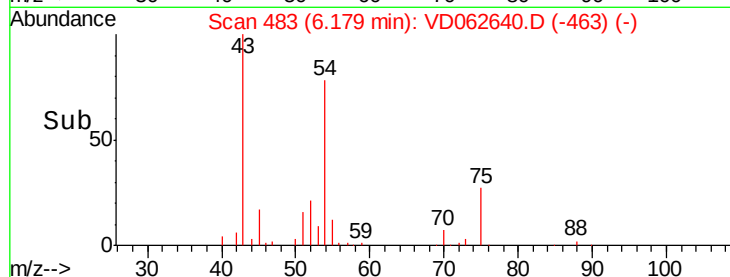
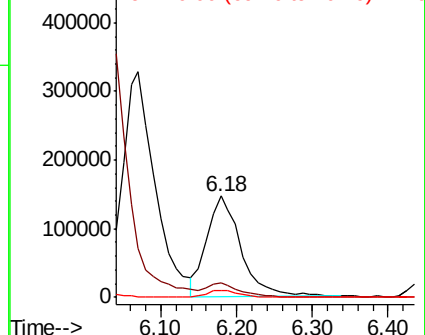
43 100

61 14.2 8.7 13.1#

70 7.3 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: 111.320 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

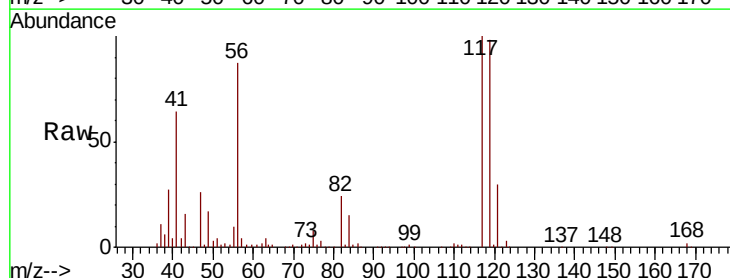
Tgt Ion: 117 Resp: 1915830

Ion Ratio Lower Upper

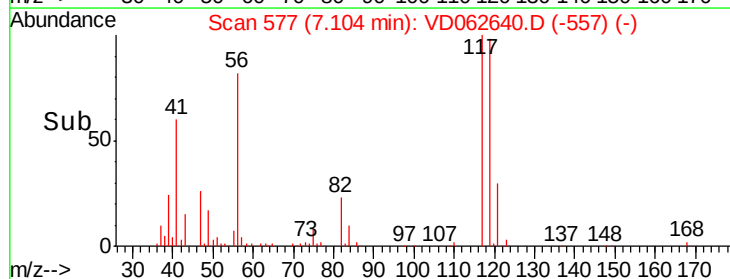
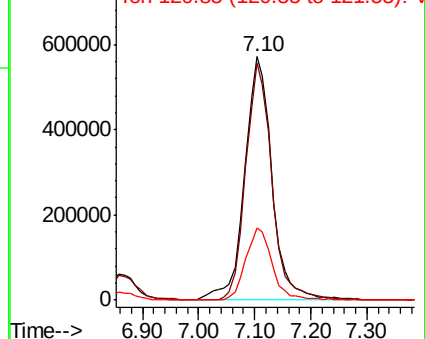
117 100

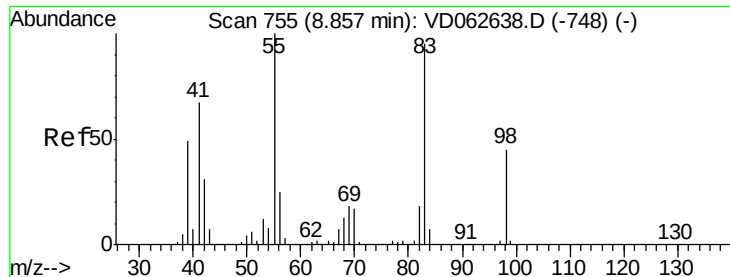
119 97.6 73.5 110.3

121 29.8 24.2 36.4



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

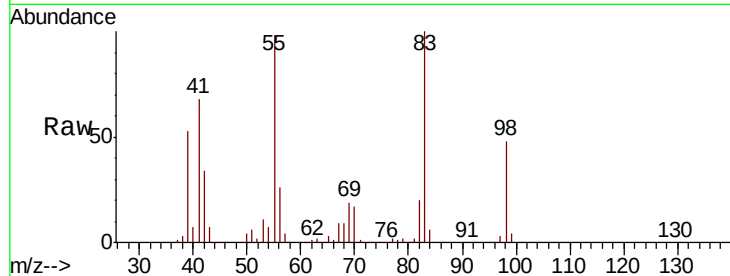




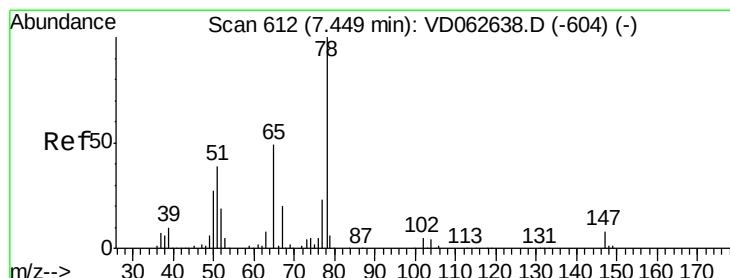
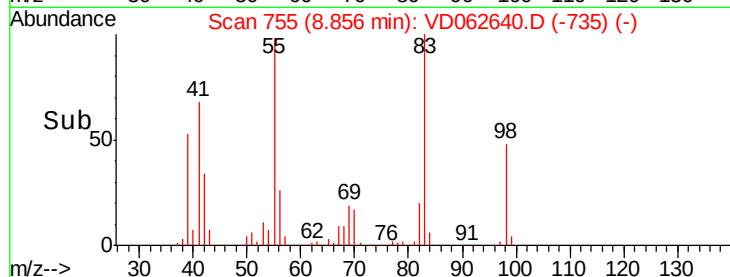
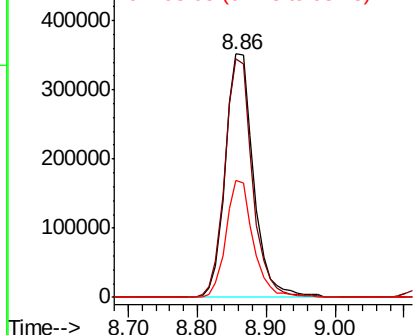
#39
Methylvlcyclohexane
Concen: 114.984 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 997698
Ion Ratio Lower Upper
83 100
55 98.1 84.6 127.0
98 48.1 38.2 57.4

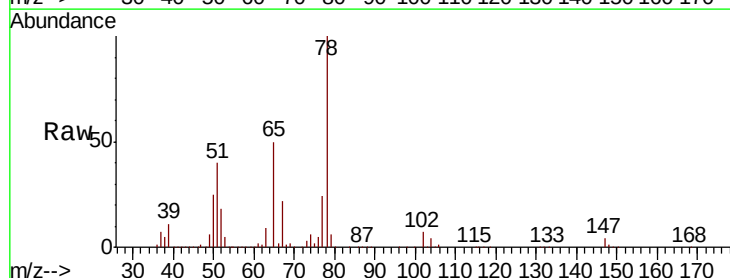


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

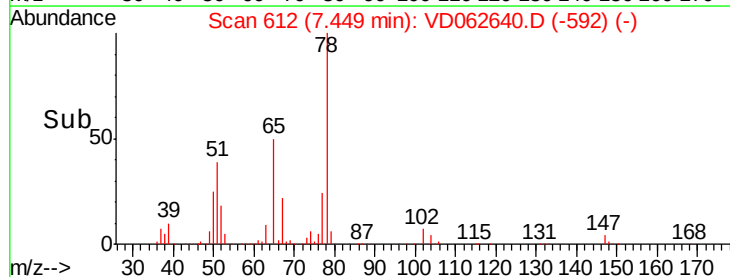
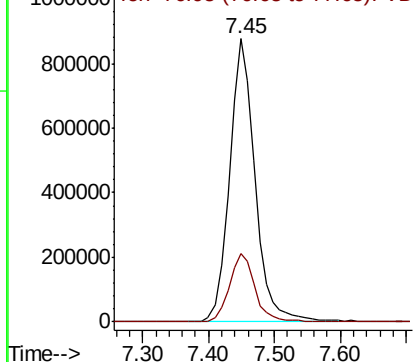


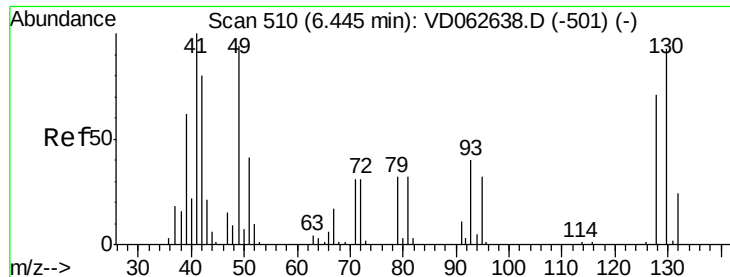
#40
Benzene
Concen: 114.328 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 78 Resp: 2374594
Ion Ratio Lower Upper
78 100
77 24.1 18.6 28.0



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

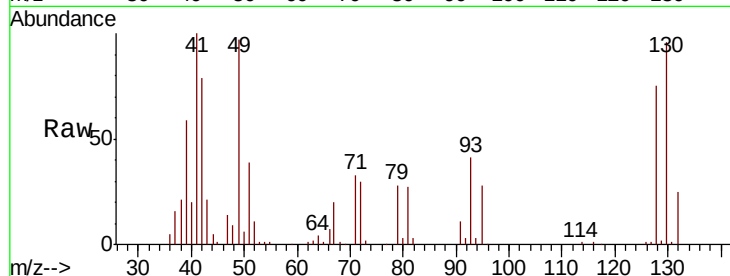




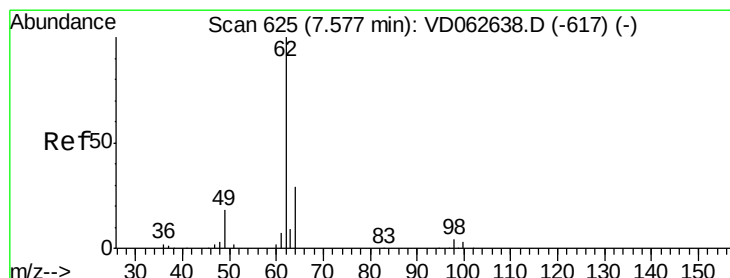
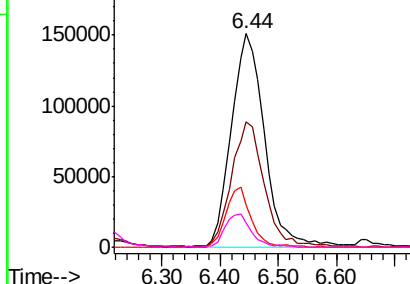
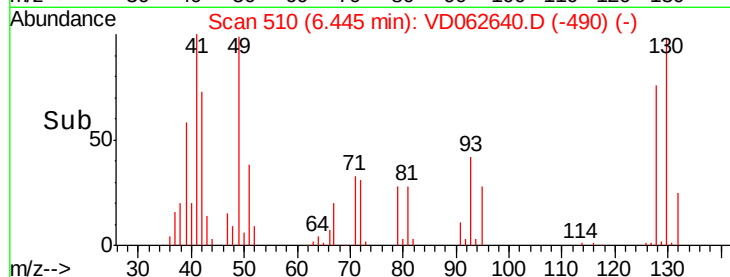
#41
Methacrylonitrile
Concen: 105.526 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 601164
Ion Ratio Lower Upper
41 100
39 58.8 49.2 73.8
67 19.8 13.9 20.9
52 11.3 7.6 11.4

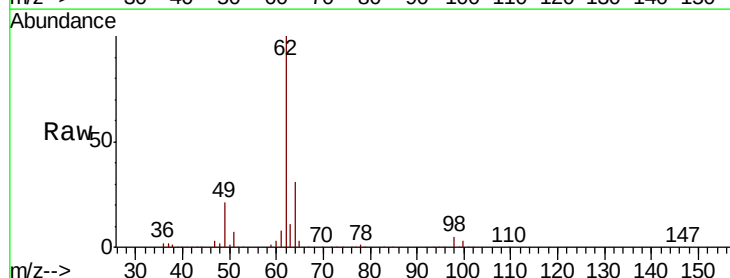


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

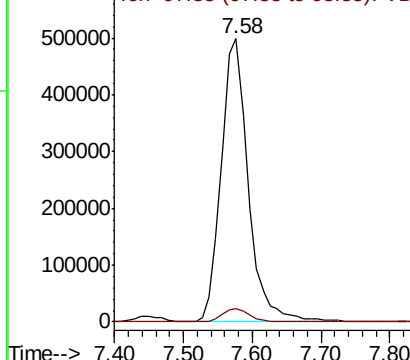
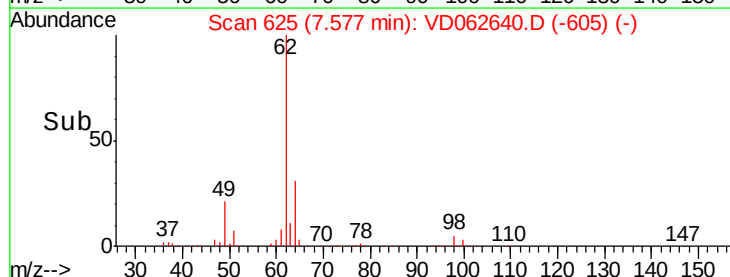


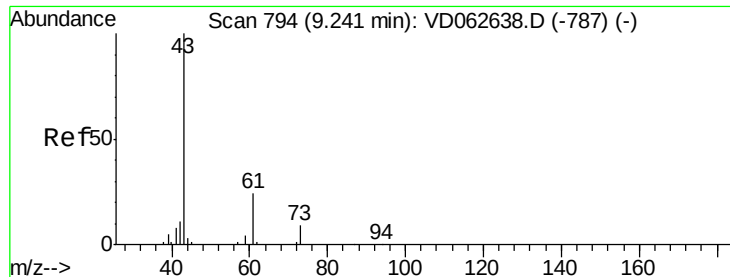
#42
1,2-Dichloroethane
Concen: 108.264 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 62 Resp: 1348569
Ion Ratio Lower Upper
62 100
98 4.8 0.0 7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 113.542 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

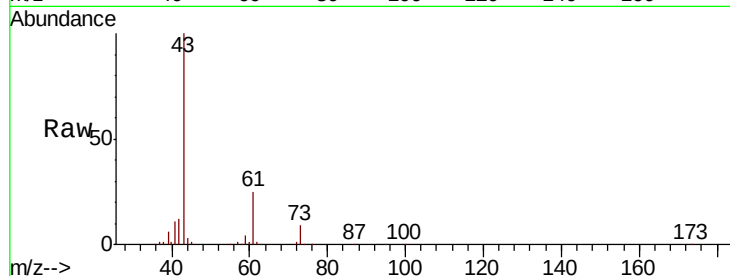
Tot Ion: 43 Resp: 633736

Ion Ratio Lower Upper

43 100

61 25.5 19.0 28.6

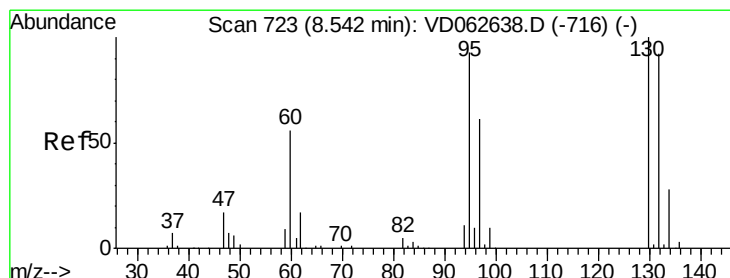
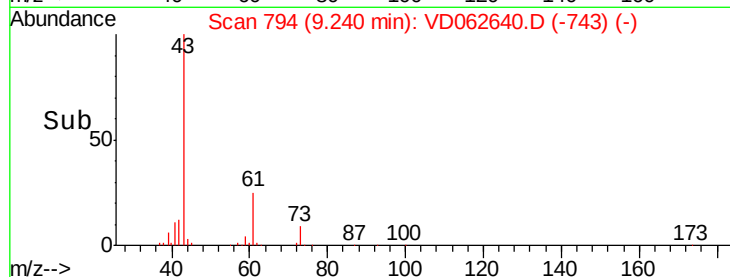
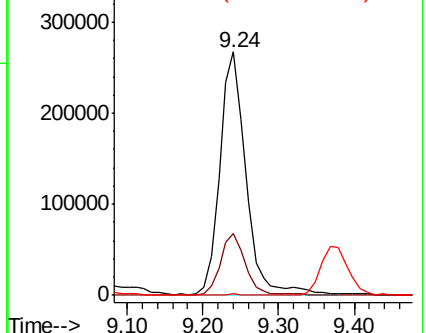
87 0.4 0.3 0.5



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: 111.676 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062640.D

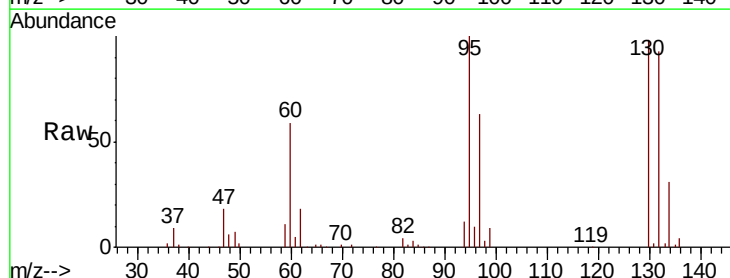
Acq: 7 Jun 2019 13:09

Tgt Ion:130 Resp: 957456

Ion Ratio Lower Upper

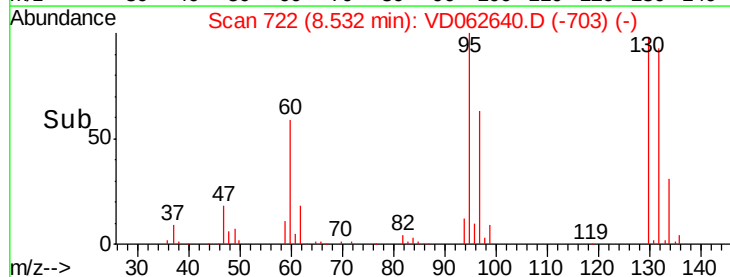
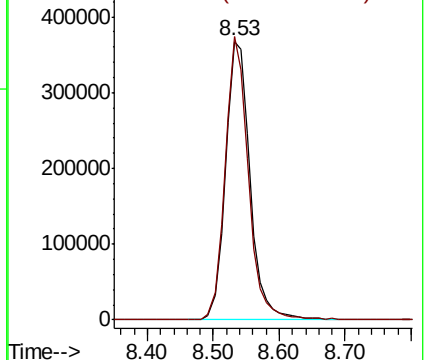
130 100

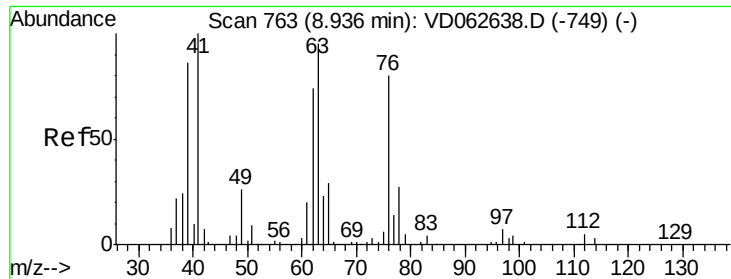
95 101.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

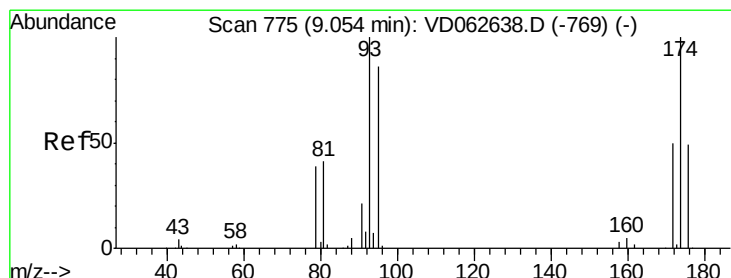
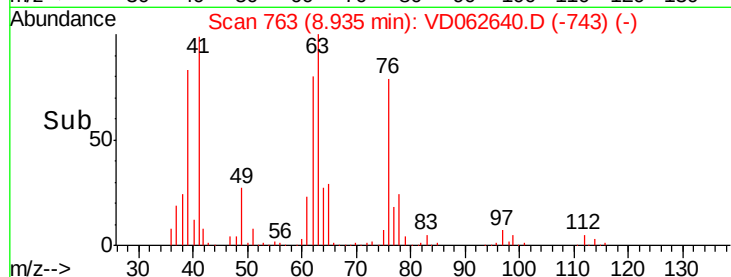
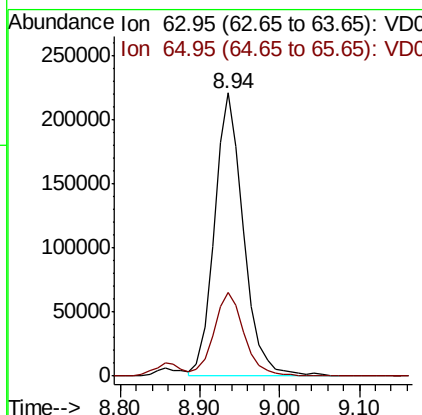
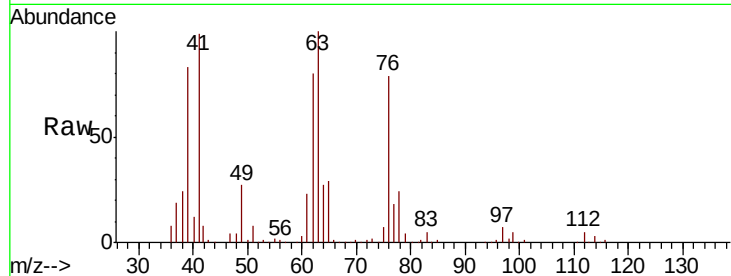




#45
1,2-Dichloropropane
Concen: 111.551 ug/l
RT: 8.94 min Scan# 763
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

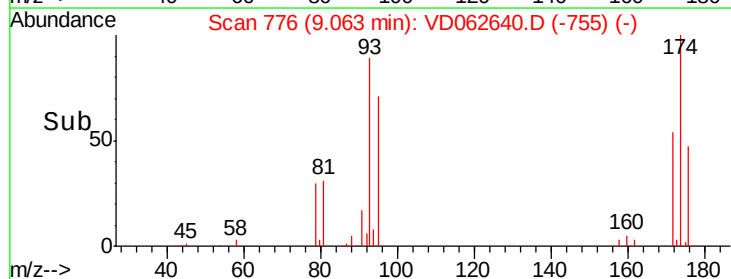
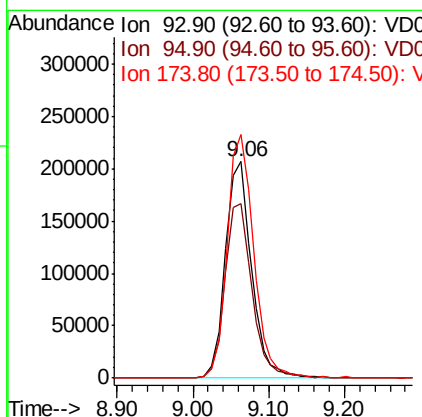
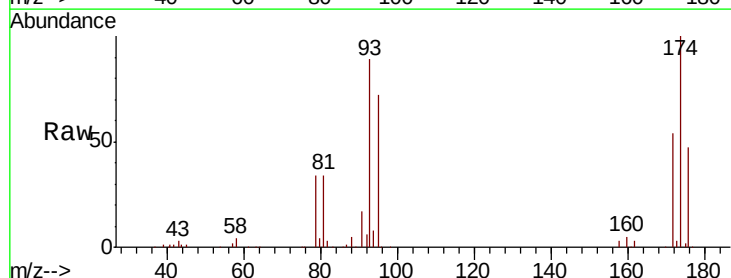
Instrument :
MSVOA_D
ClientSampled :

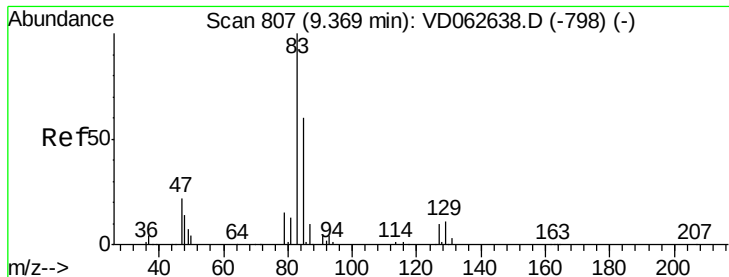
Tot Ion: 63 Resp: 562074
Ion Ratio Lower Upper
63 100
65 29.5 24.6 37.0



#46
Dibromomethane
Concen: 109.549 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 93 Resp: 494350
Ion Ratio Lower Upper
93 100
95 80.7 68.7 103.1
174 112.6 79.8 119.8





#47

Bromodichloromethane

Concen: 111.134 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

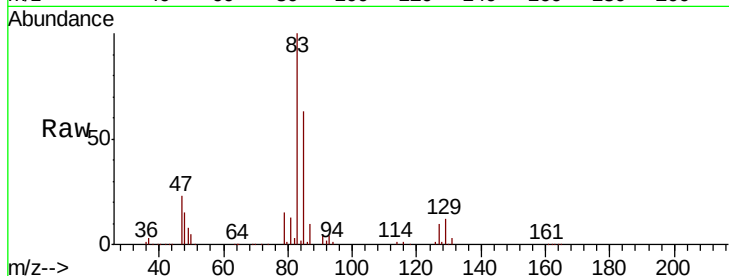
Tot Ion: 83 Resp: 1361571

Ion Ratio Lower Upper

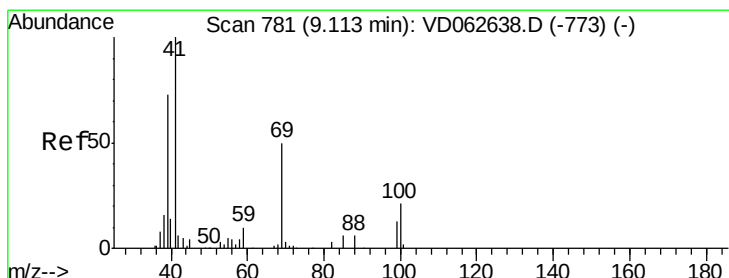
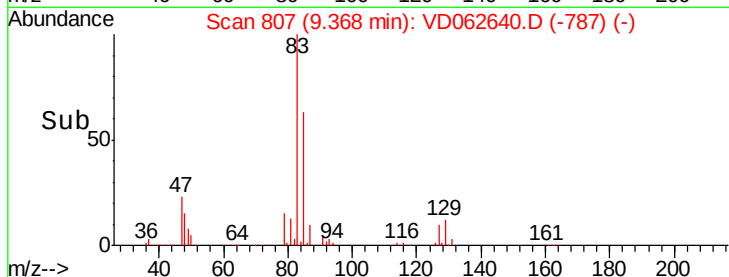
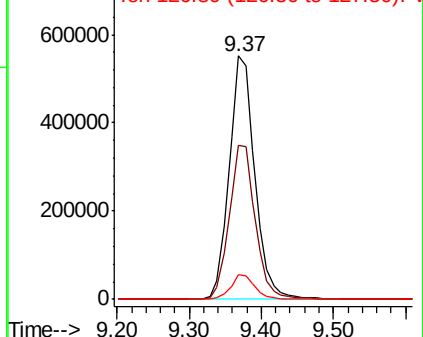
83 100

85 63.2 47.9 71.9

127 10.3 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: 105.213 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

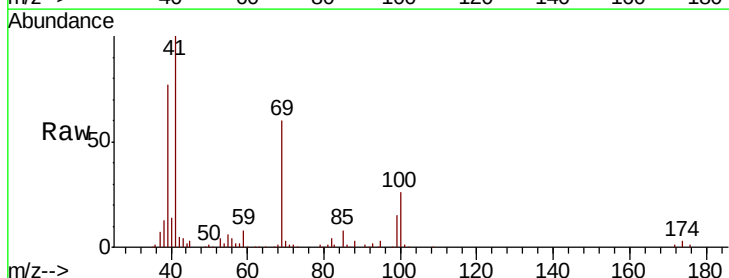
Tgt Ion: 41 Resp: 437171

Ion Ratio Lower Upper

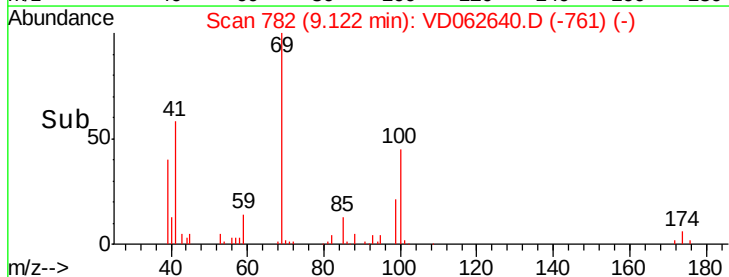
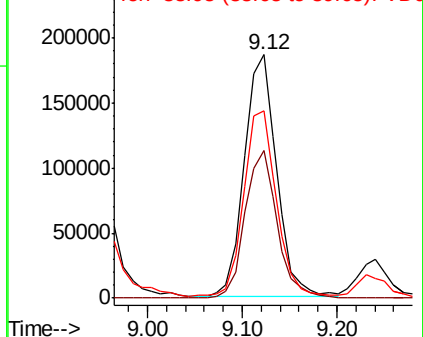
41 100

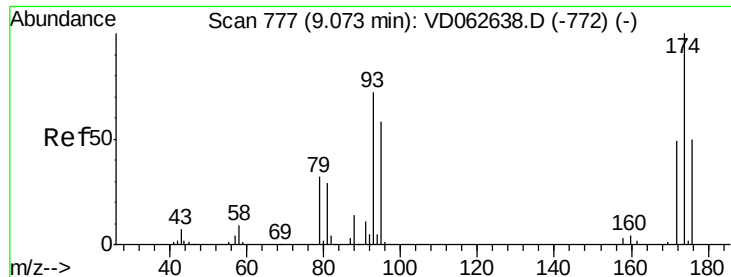
69 60.4 39.8 59.6#

39 77.0 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: 2150.691 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.02 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

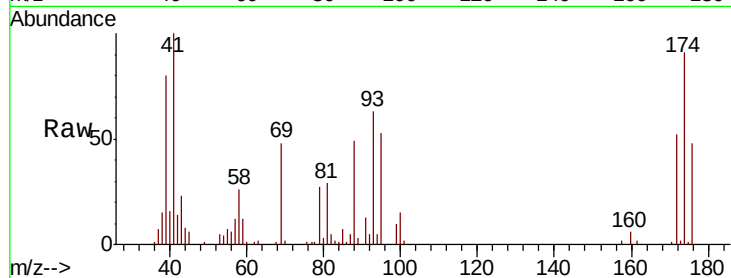
Tot Ion: 88 Resp: 70594

Ion Ratio Lower Upper

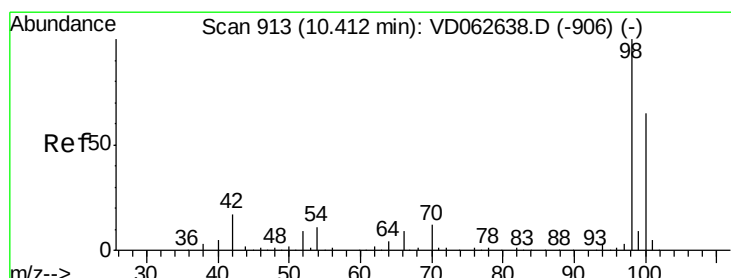
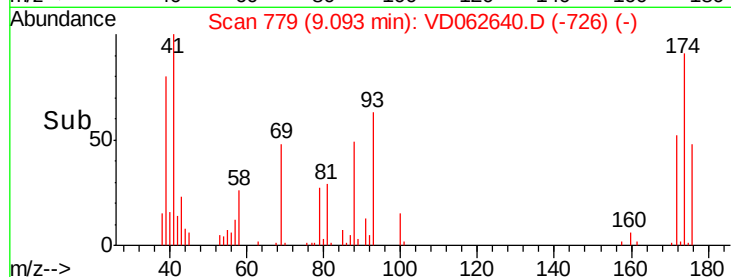
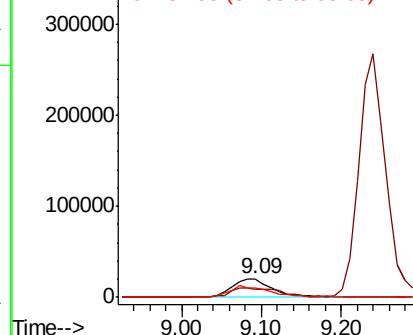
88 100

43 45.9 40.7 61.1

58 53.5 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: 119.611 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062640.D

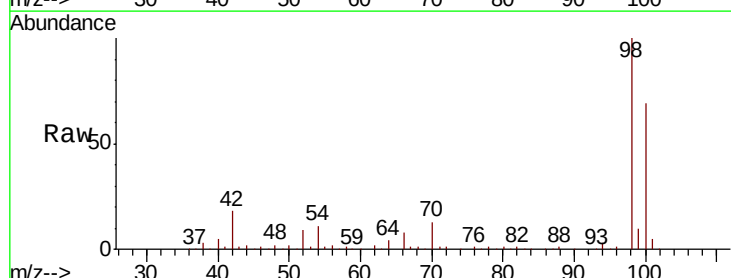
Acq: 7 Jun 2019 13:09

Tgt Ion: 98 Resp: 2459531

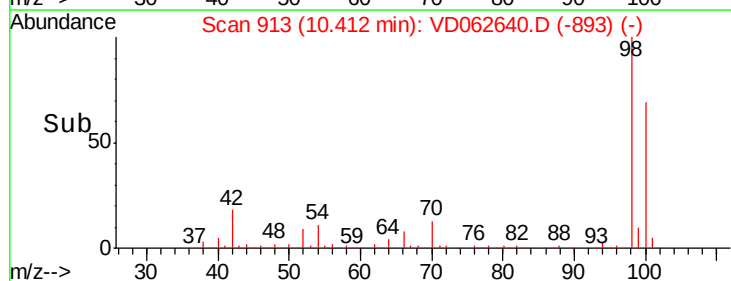
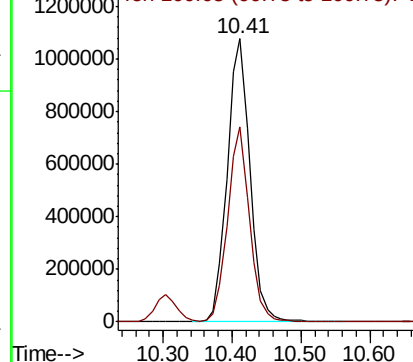
Ion Ratio Lower Upper

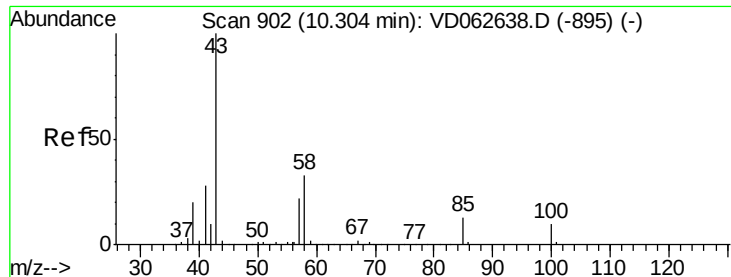
98 100

100 69.1 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: 546.788 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

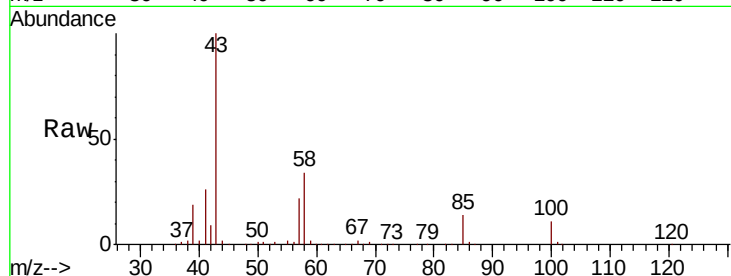
ClientSampleId :

Tot Ion: 43 Resp: 2167050

Ion Ratio Lower Upper

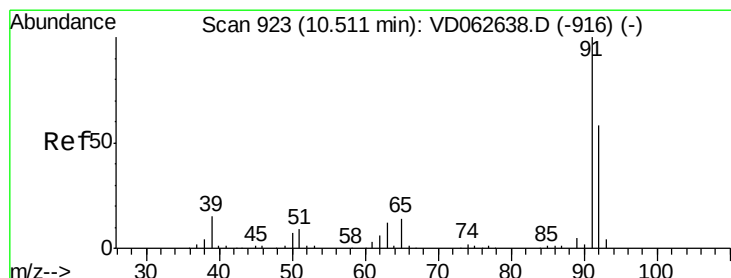
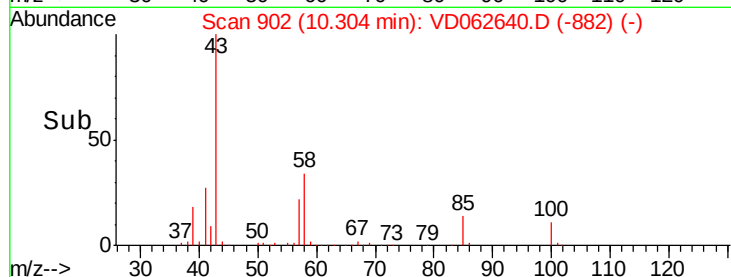
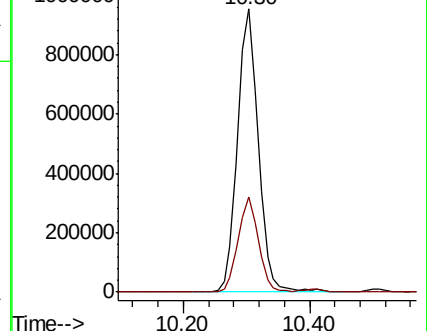
43 100

58 33.6 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: 109.901 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062640.D

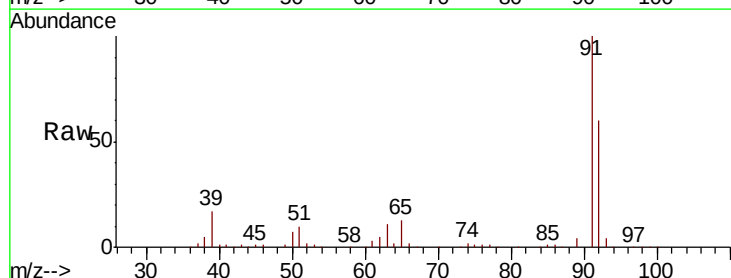
Acq: 7 Jun 2019 13:09

Tgt Ion: 92 Resp: 1561942

Ion Ratio Lower Upper

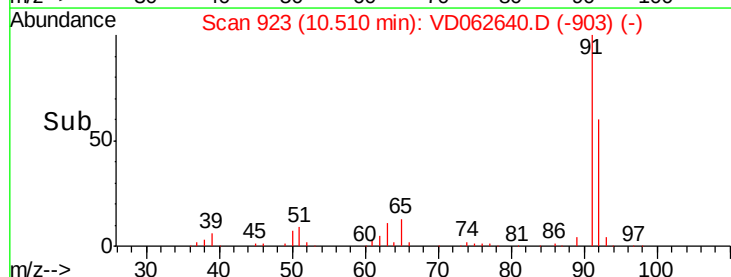
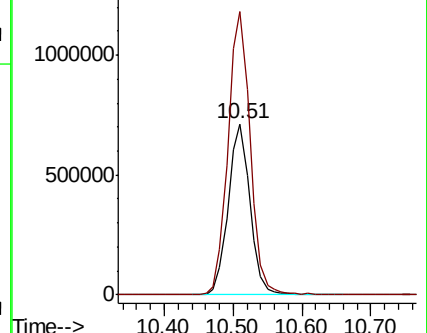
92 100

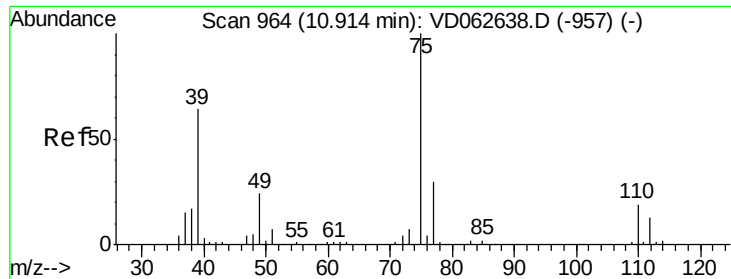
91 165.7 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

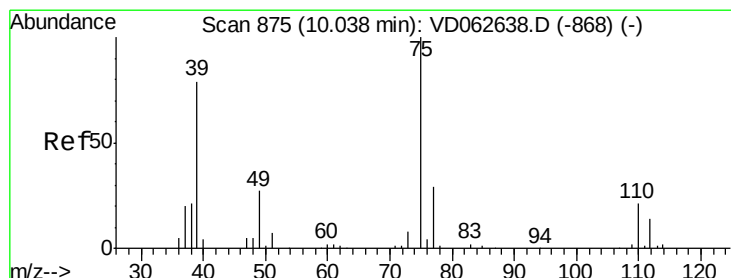
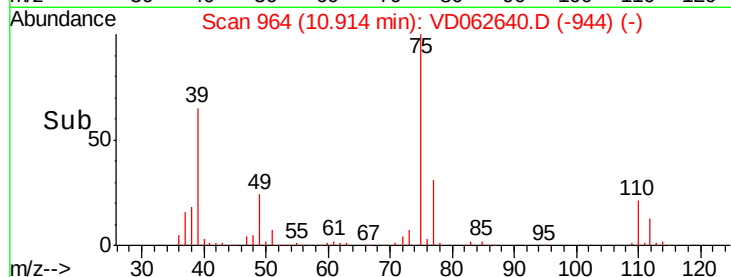
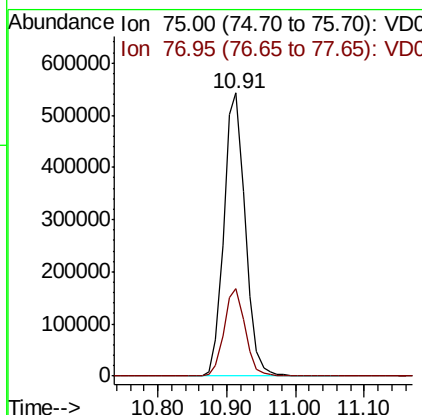
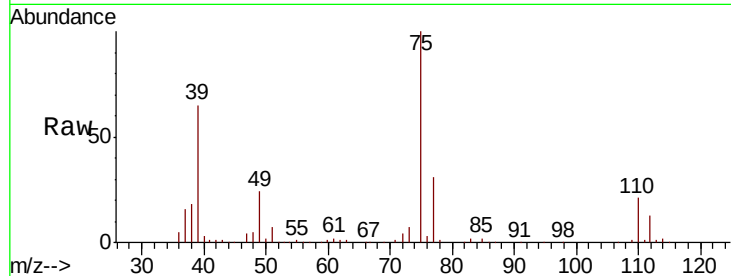




#53
 t-1,3-Dichloropropene
 Concen: 115.551 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

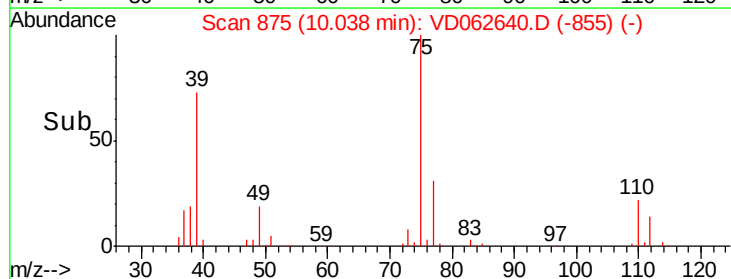
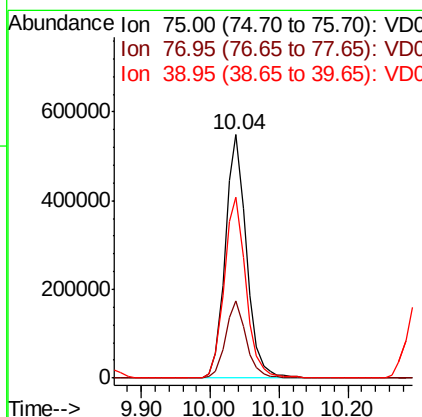
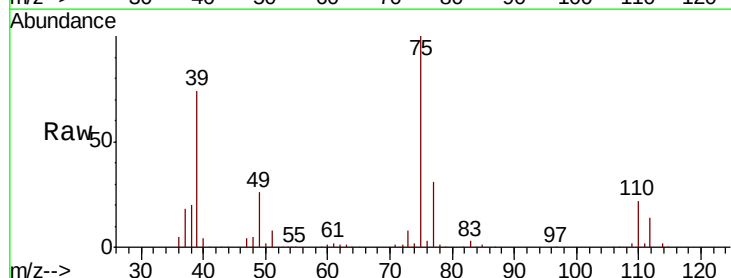
Instrument :
 MSVOA_D
 ClientSampleId :

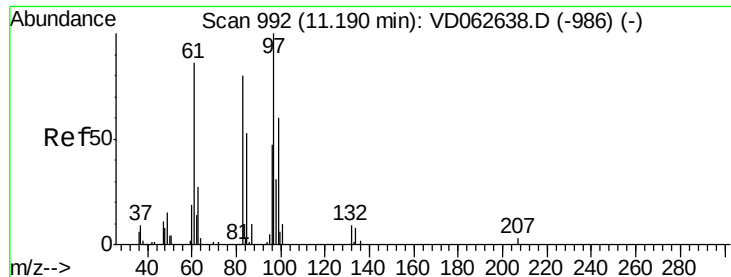
Tot Ion: 75 Resp: 1165297
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 111.865 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 75 Resp: 1167300
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.1 34.7
 39 74.5 63.4 95.2





#55

1,1,2-Trichloroethane

Concen: 108.823 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 516787

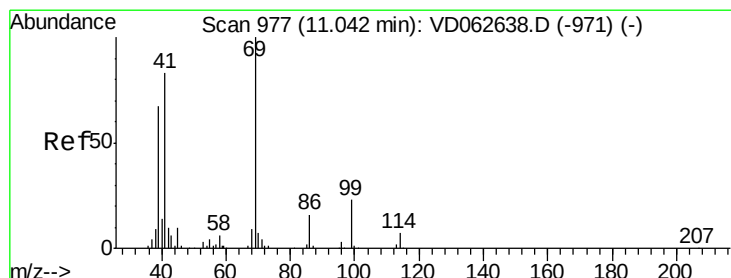
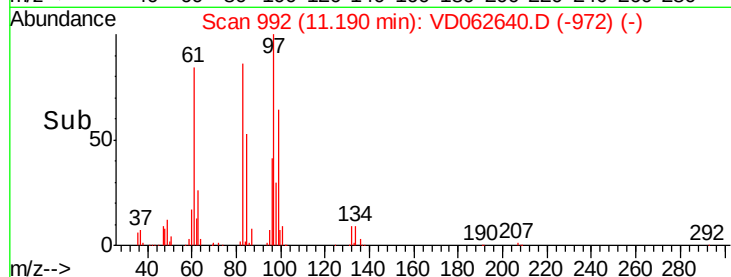
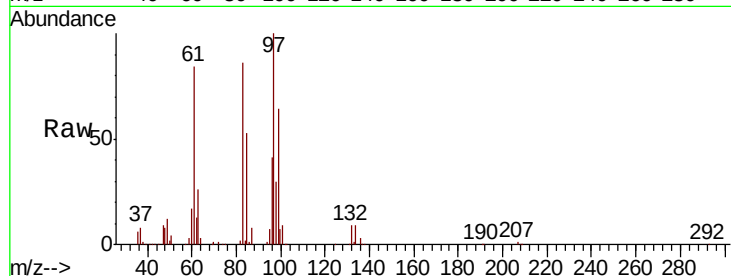
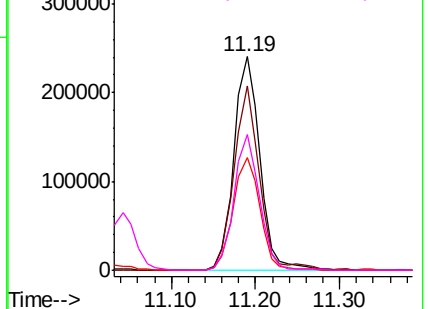
Ion	Ratio	Lower	Upper
97	100		
83	86.1	63.8	95.8
85	52.6	42.3	63.5
99	63.5	48.0	72.0

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: 115.817 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

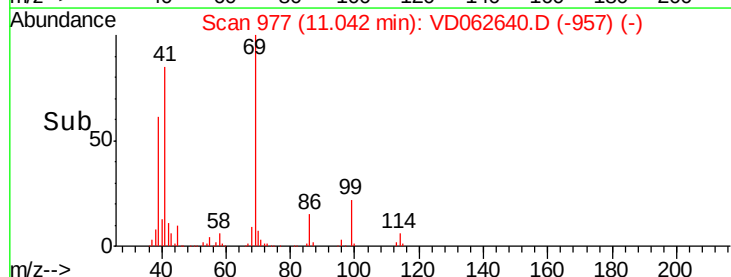
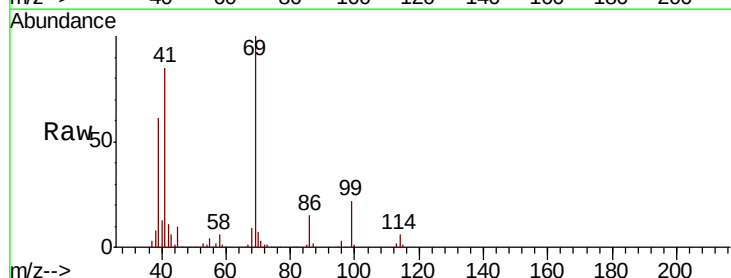
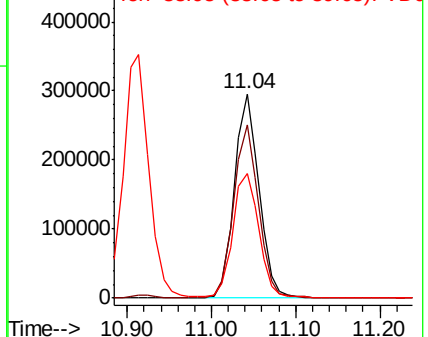
Tgt Ion: 69 Resp: 601191

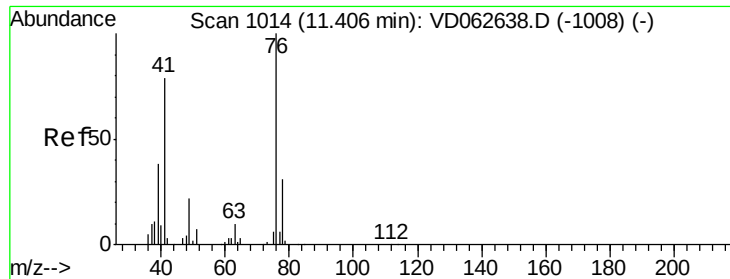
Ion	Ratio	Lower	Upper
69	100		
41	84.9	66.2	99.4
39	60.7	53.8	80.8

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

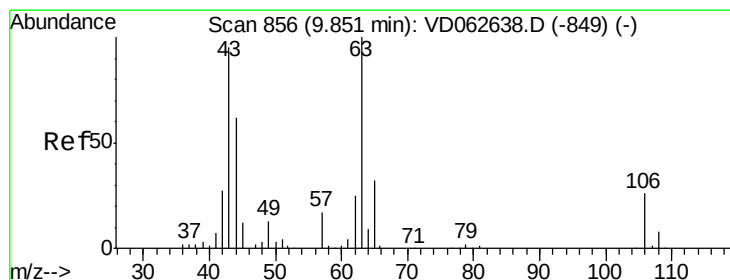
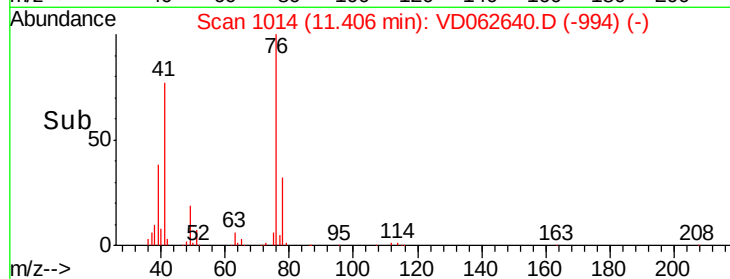
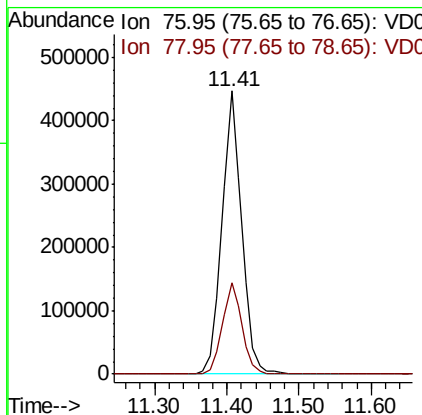
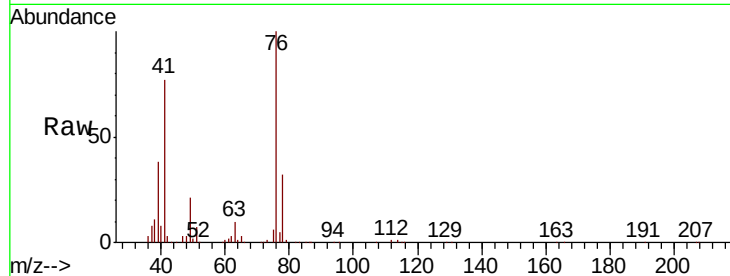




#57
 1,3-Dichloropropane
 Concen: 112.665 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

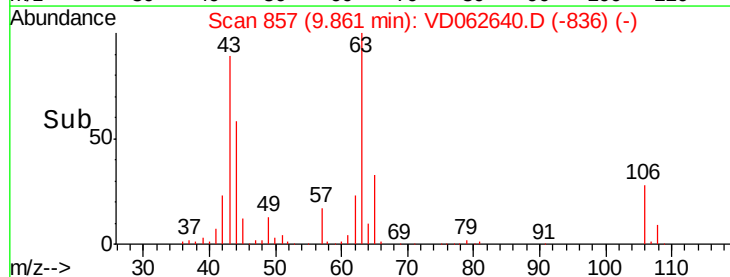
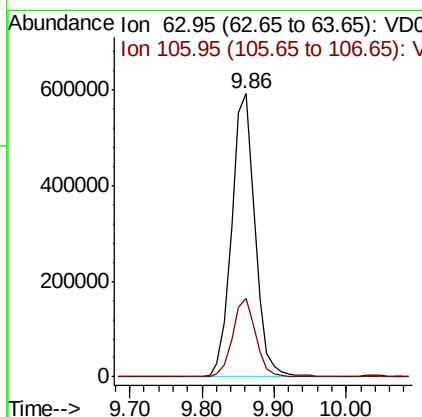
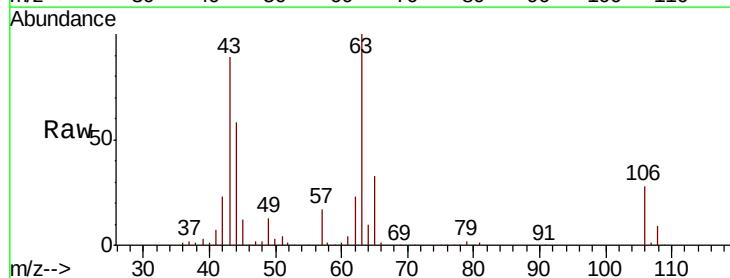
Instrument :
 MSVOA_D
 ClientSampleId :

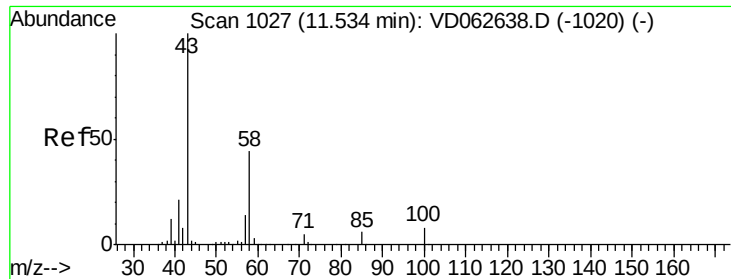
Tot Ion: 76 Resp: 841446
 Ion Ratio Lower Upper
 76 100
 78 32.1 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 514.625 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 63 Resp: 1342563
 Ion Ratio Lower Upper
 63 100
 106 27.8 20.5 30.7

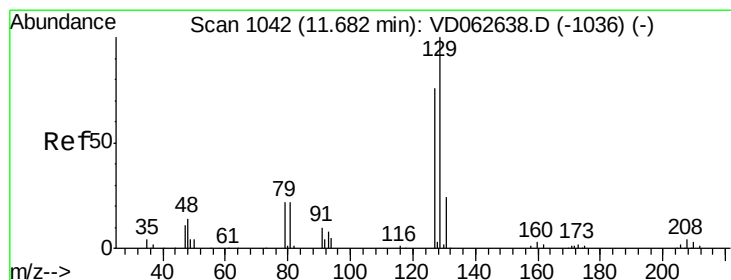
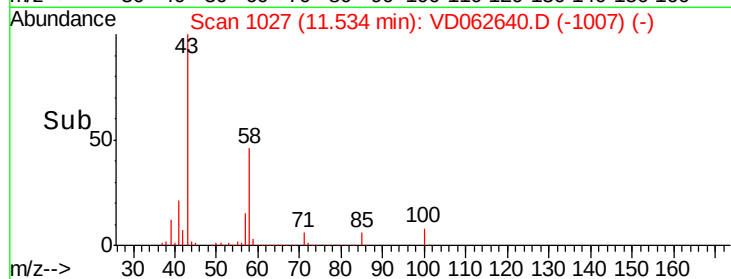
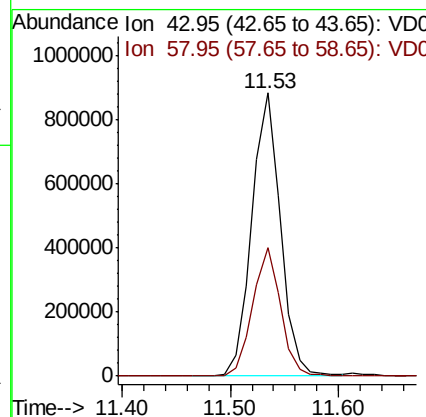
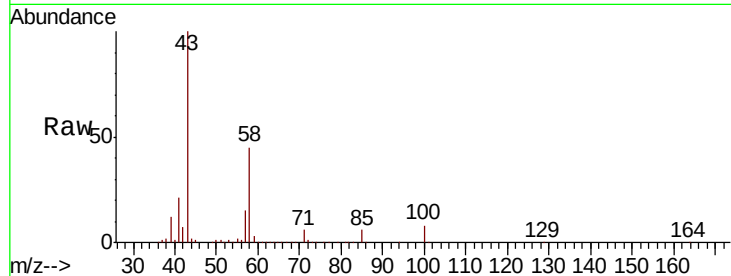




#59
2-Hexanone
Concen: 545.589 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

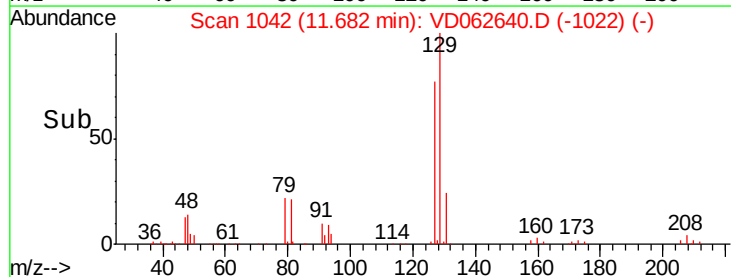
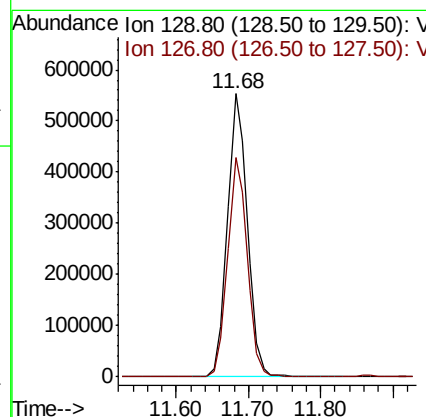
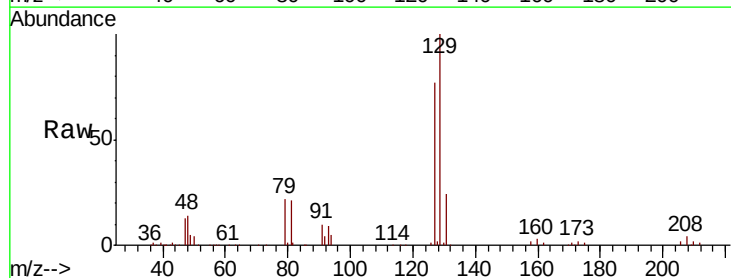
Instrument :
MSVOA_D
ClientSampleId :

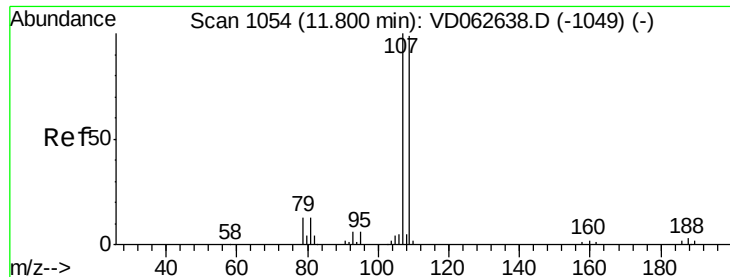
Tot Ion: 43 Resp: 1627596
Ion Ratio Lower Upper
43 100
58 45.4 21.8 65.4



#60
Dibromochloromethane
Concen: 111.853 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion:129 Resp: 1055055
Ion Ratio Lower Upper
129 100
127 77.4 38.0 114.1

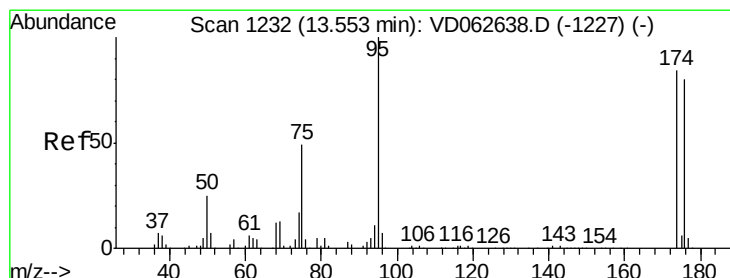
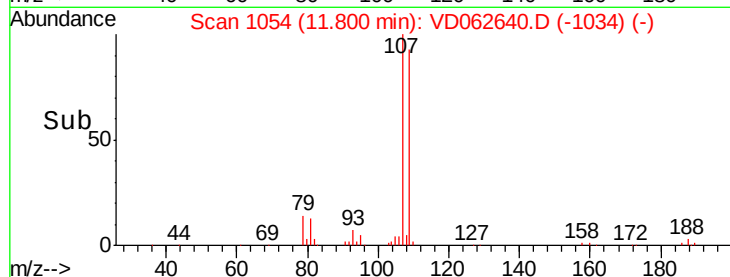
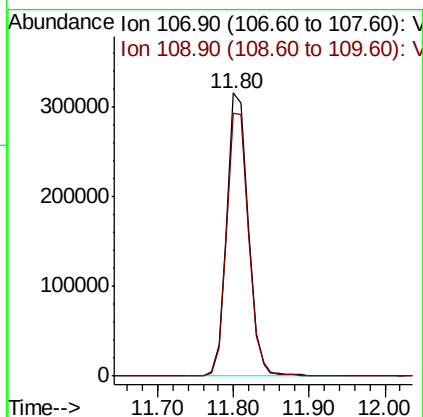
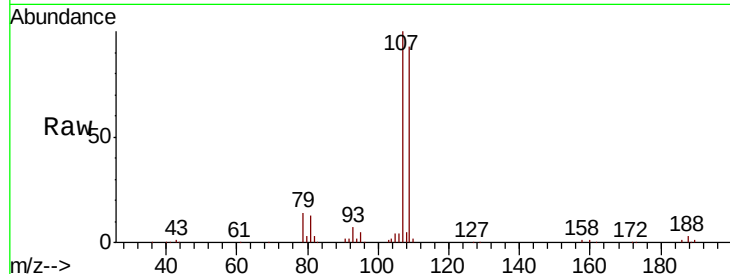




#61
 1,2-Dibromoethane
 Concen: 107.415 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

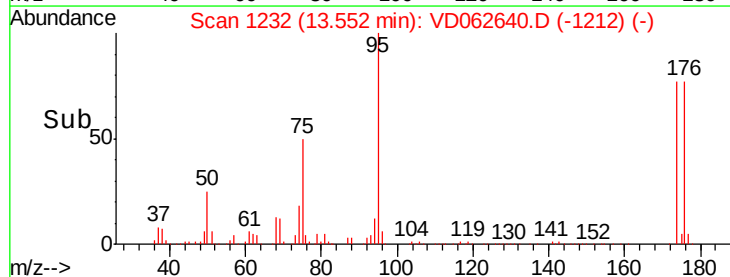
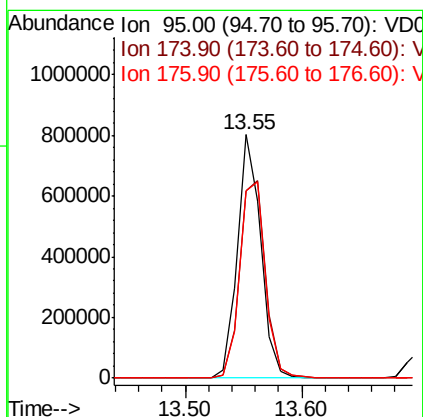
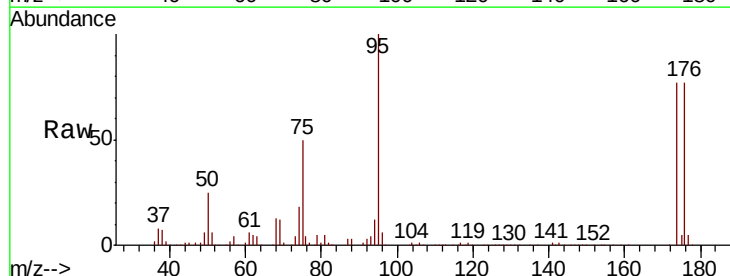
Instrument :
 MSVOA_D
 ClientSampleId :

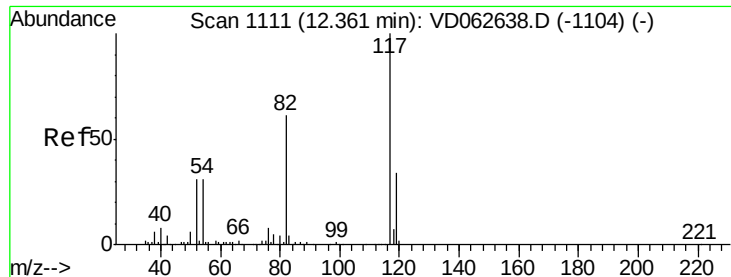
Tot Ion:107 Resp: 618622
 Ion Ratio Lower Upper
 107 100
 109 93.1 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 113.923 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 95 Resp: 1111413
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 167.0
 176 76.7 0.0 159.2

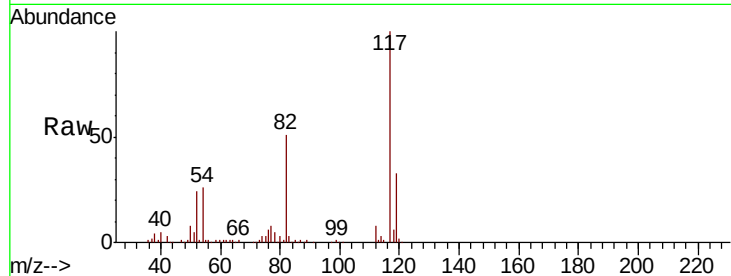




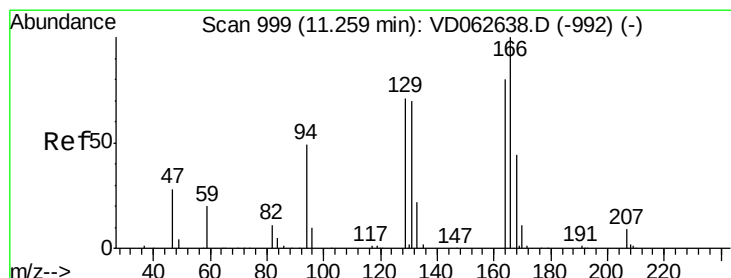
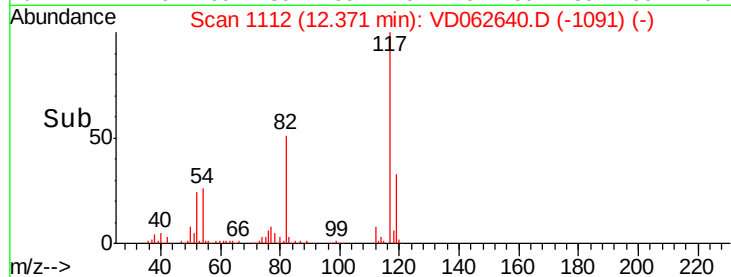
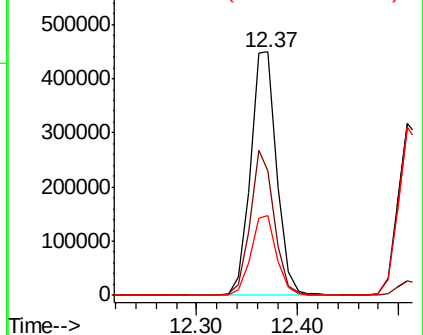
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 814885
Ion Ratio Lower Upper
117 100
82 51.3 48.7 73.1
119 33.0 27.0 40.6



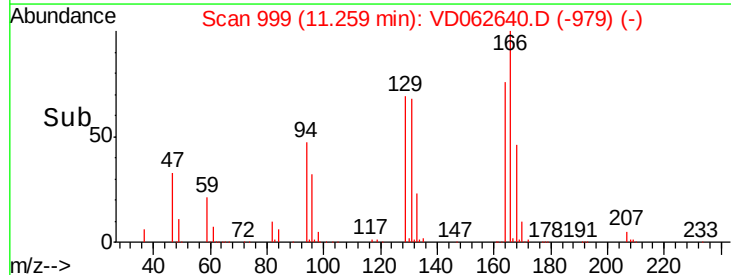
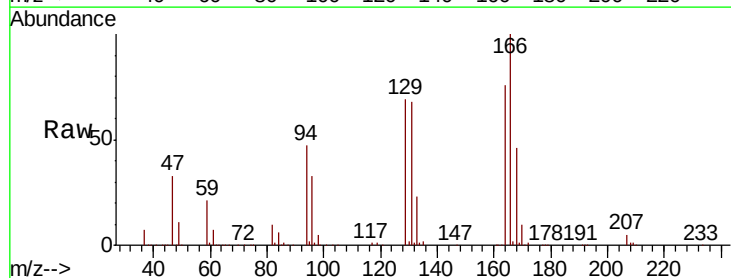
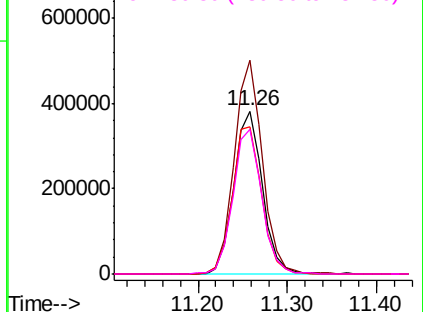
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

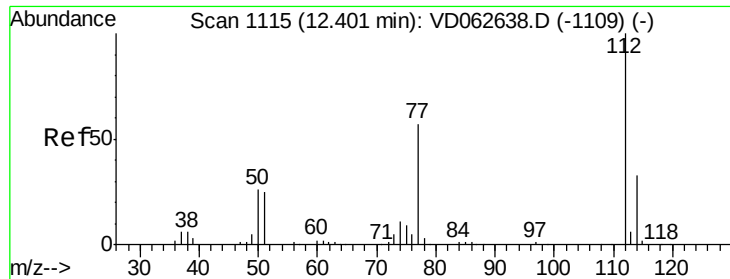


#64
Tetrachloroethene
Concen: 110.330 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion:164 Resp: 853578
Ion Ratio Lower Upper
164 100
166 130.9 99.4 149.2
129 90.3 70.2 105.4
131 89.0 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

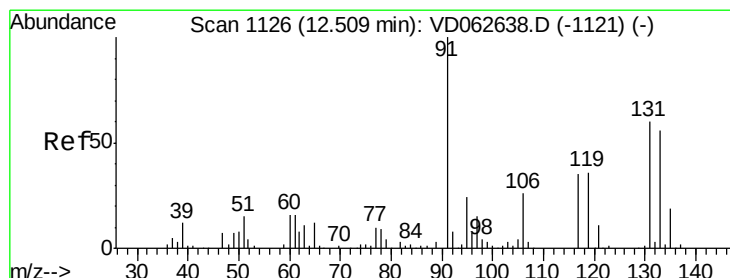
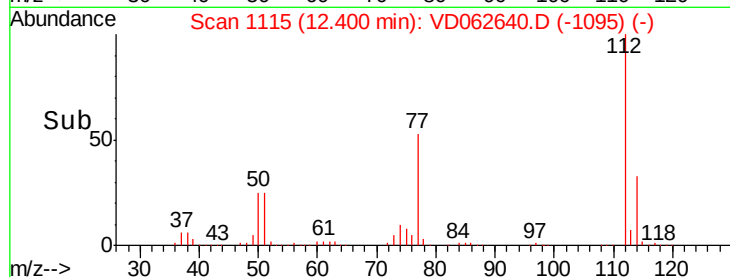
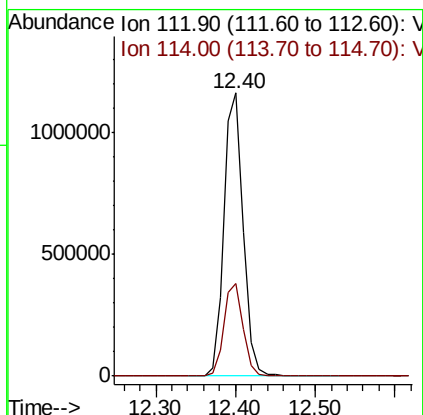
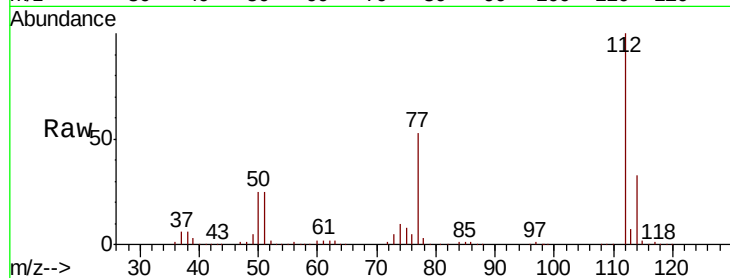




#65
Chlorobenzene
Concen: 108.465 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

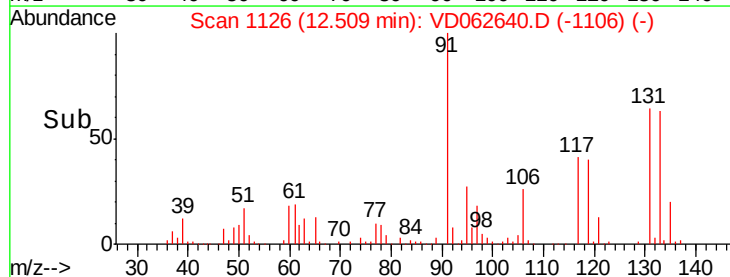
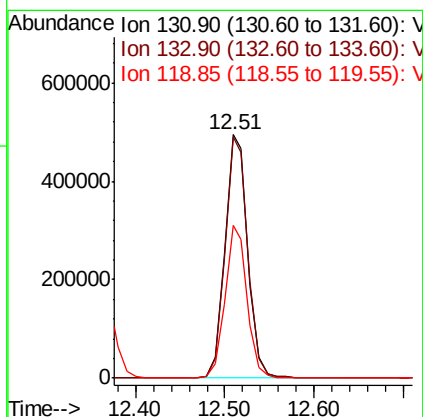
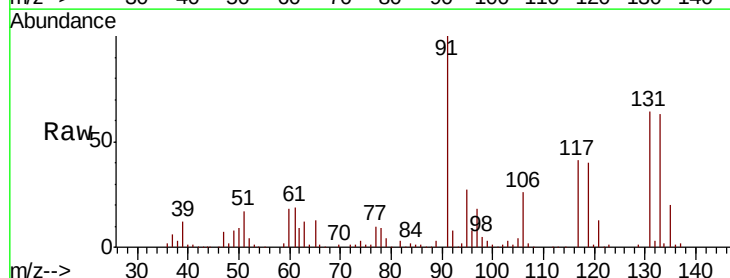
Instrument :
MSVOA_D
ClientSampleId :

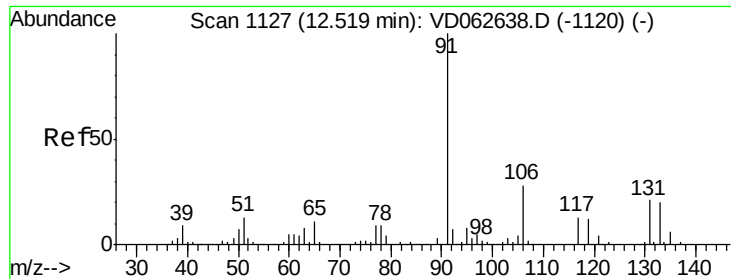
Tot Ion:112 Resp: 1980043
Ion Ratio Lower Upper
112 100
114 32.6 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 101.812 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion:131 Resp: 890601
Ion Ratio Lower Upper
131 100
133 99.3 46.8 140.3
119 62.9 29.9 89.8

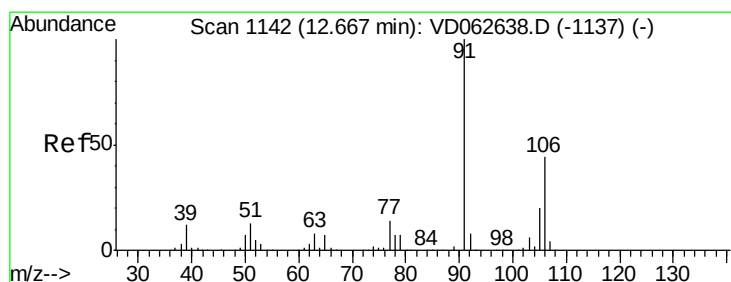
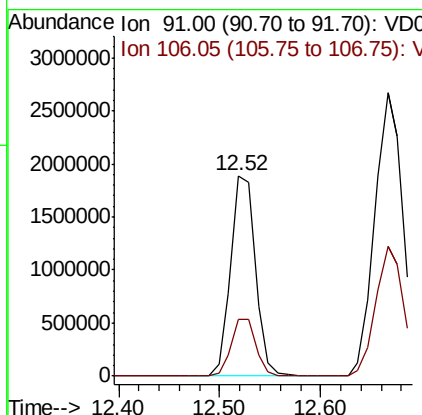
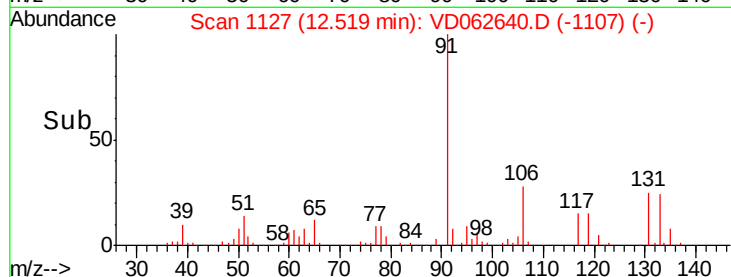
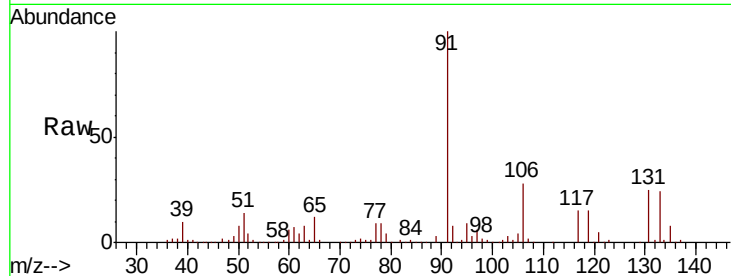




#67
Ethyl Benzene
Concen: 99.325 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

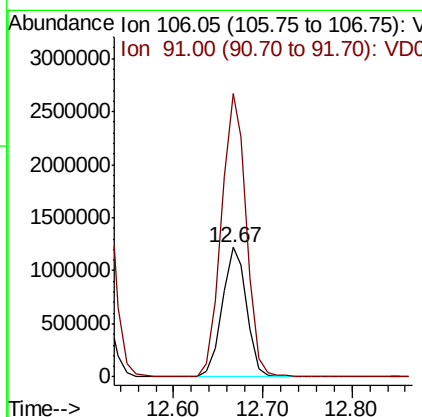
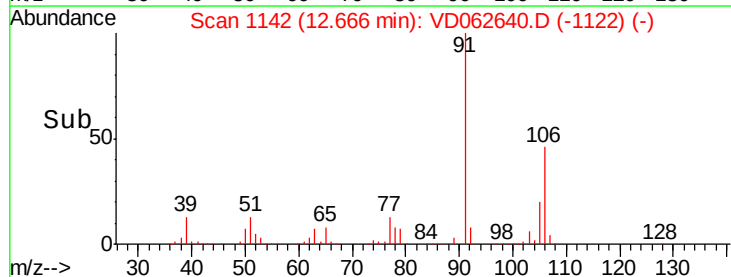
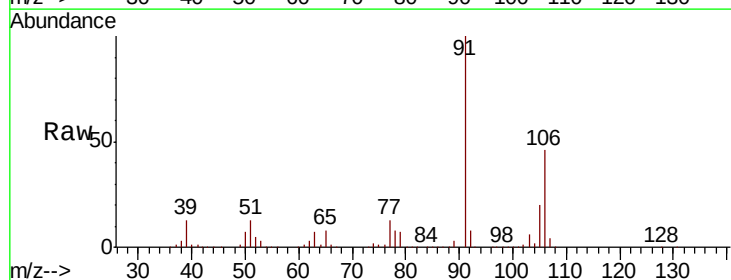
Instrument :
MSVOA_D
ClientSampleId :

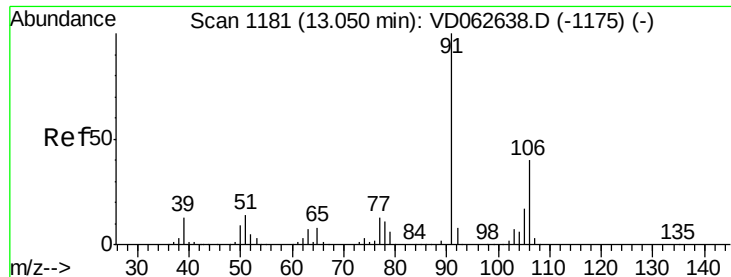
Tot Ion: 91 Resp: 3223583
Ion Ratio Lower Upper
91 100
106 28.3 22.1 33.1



#68
m/p-Xylenes
Concen: 206.018 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 106 Resp: 2345983
Ion Ratio Lower Upper
106 100
91 219.0 180.2 270.4

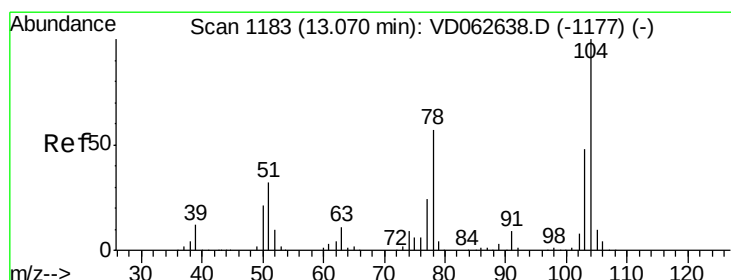
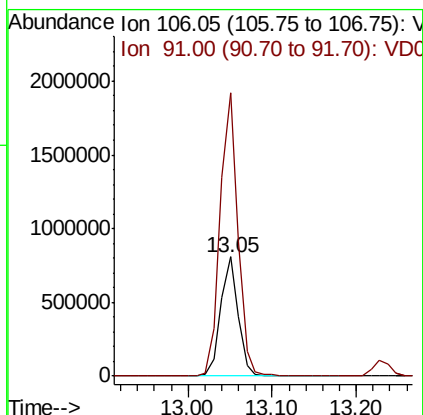
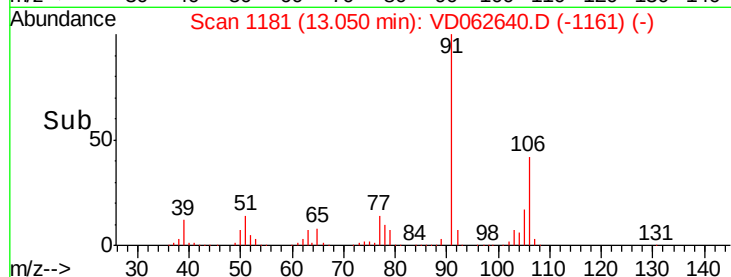
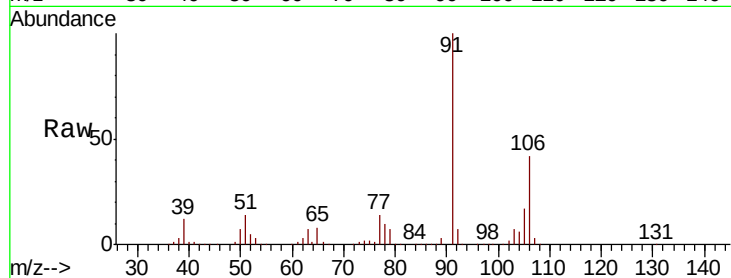




#69
o-Xylene
Concen: 108.953 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

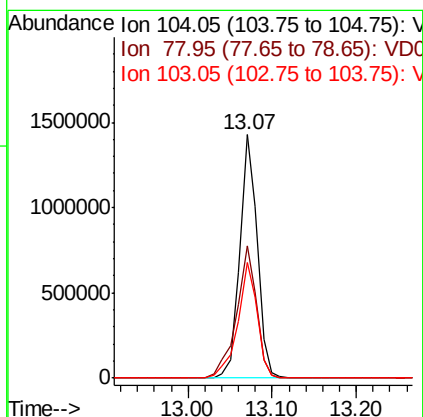
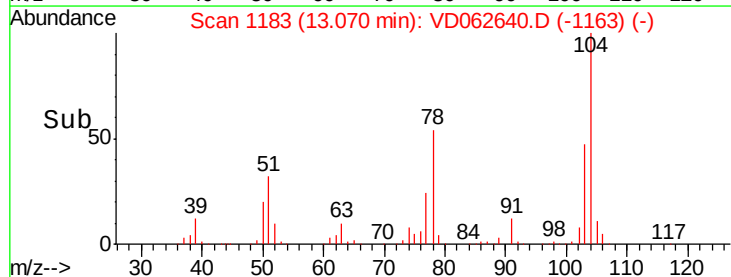
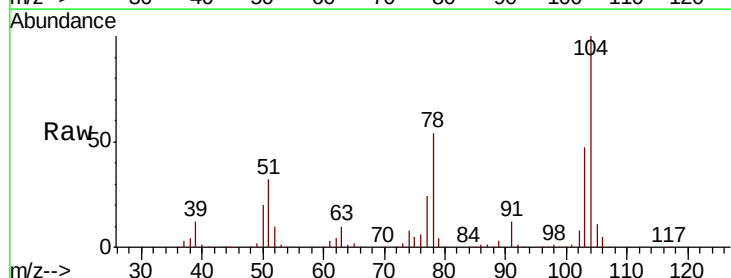
Instrument :
MSVOA_D
ClientSampled :

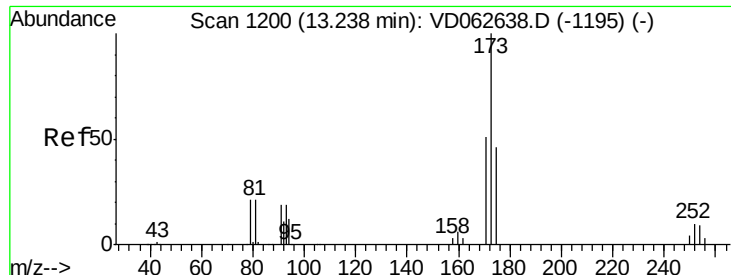
Tot Ion:106 Resp: 1164536
Ion Ratio Lower Upper
106 100
91 237.7 124.1 372.1



#70
Styrene
Concen: 108.073 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion:104 Resp: 2059710
Ion Ratio Lower Upper
104 100
78 54.4 45.9 68.9
103 47.4 38.4 57.6





#71

Bromoform

Concen: 109.615 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

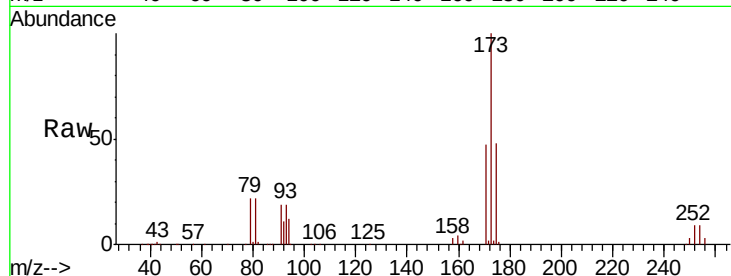
Tot Ion:173 Resp: 666479

Ion Ratio Lower Upper

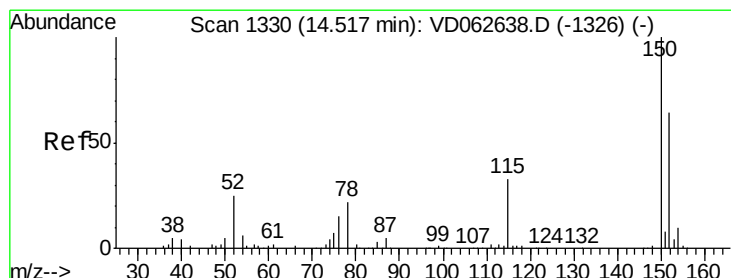
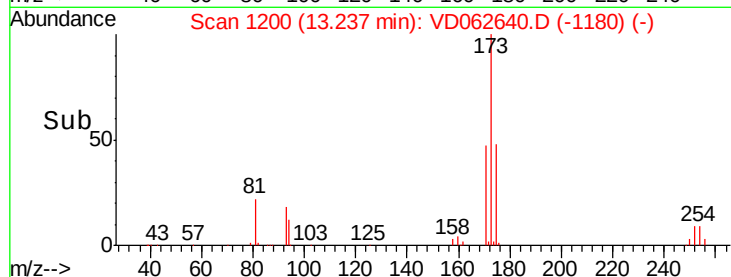
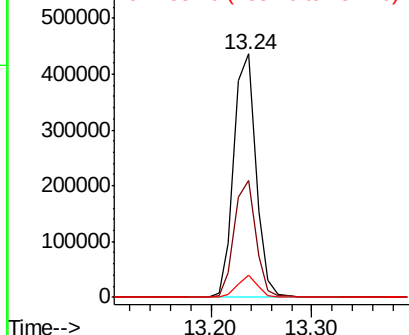
173 100

175 47.8 22.9 68.7

254 9.1 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: VD062640.D

Acq: 7 Jun 2019 13:09

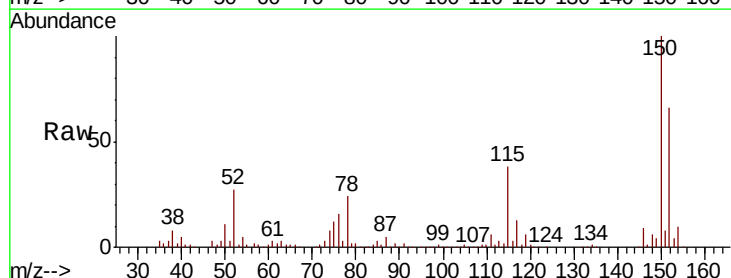
Tgt Ion:152 Resp: 418229

Ion Ratio Lower Upper

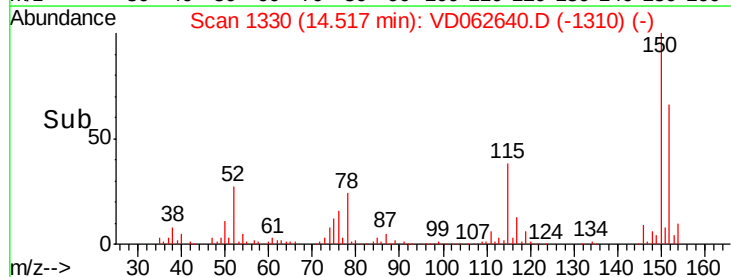
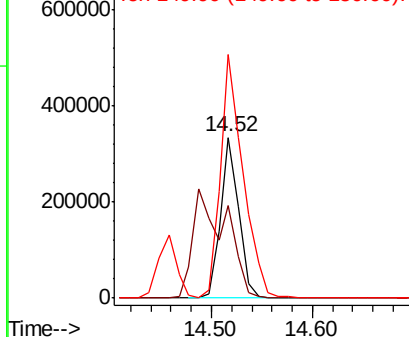
152 100

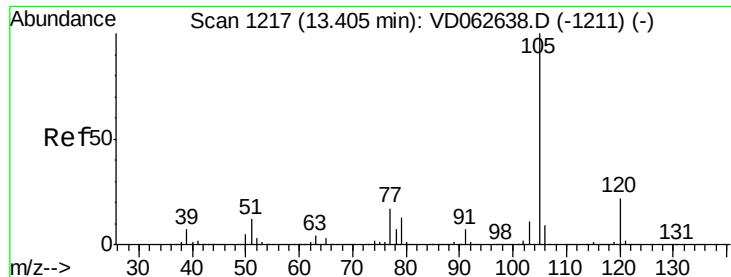
115 58.1 30.1 90.5

150 151.7 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: 107.935 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

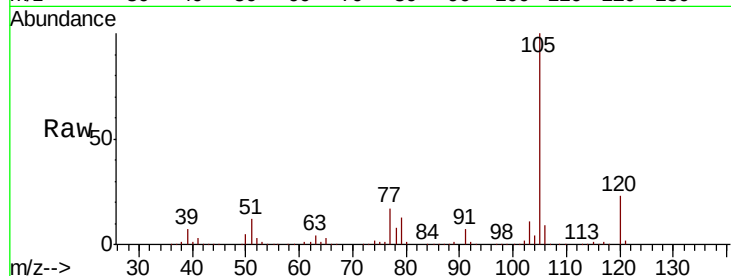
ClientSampleId :

Tot Ion:105 Resp: 3286957

Ion Ratio Lower Upper

105 100

120 22.9 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

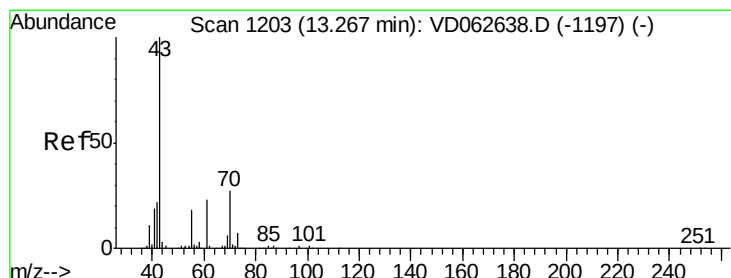
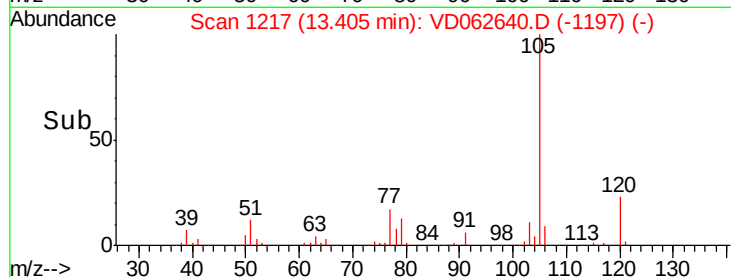
1000000

500000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 111.403 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Tgt Ion: 43 Resp: 913453

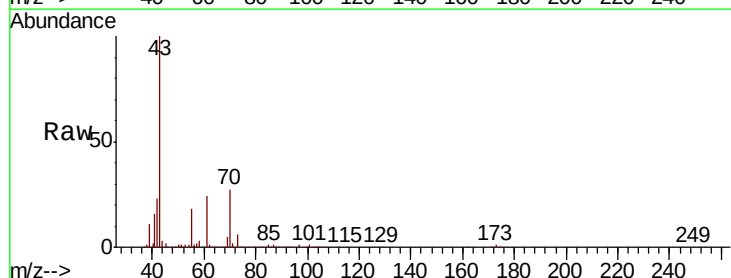
Ion Ratio Lower Upper

43 100

70 27.5 21.8 32.8

55 17.7 14.6 21.8

61 24.4 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

1000000

800000

600000

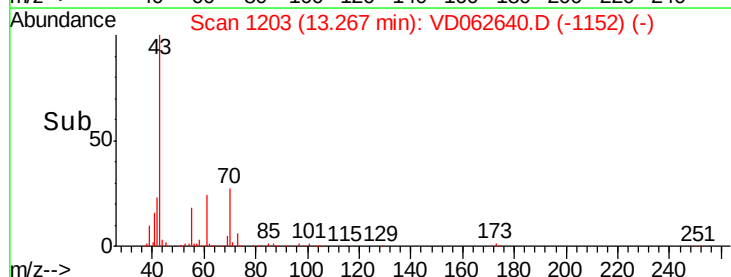
400000

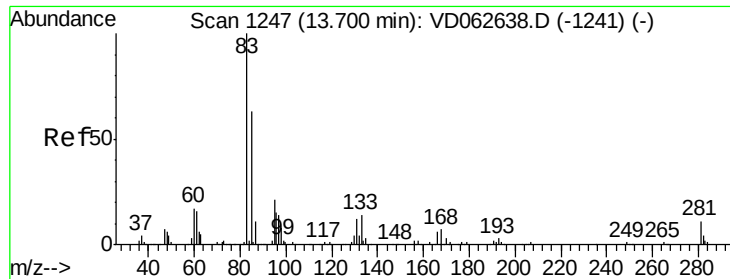
200000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 112.151 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

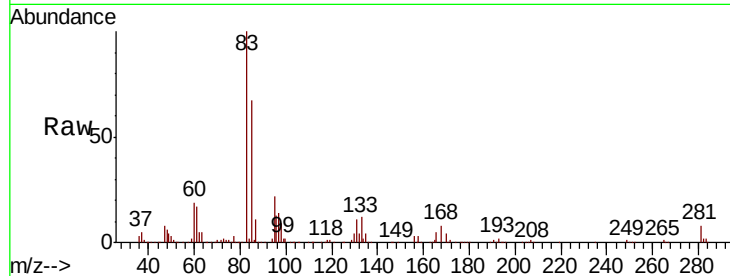
Tot Ion: 83 Resp: 577838

Ion Ratio Lower Upper

83 100

131 11.0 5.9 17.7

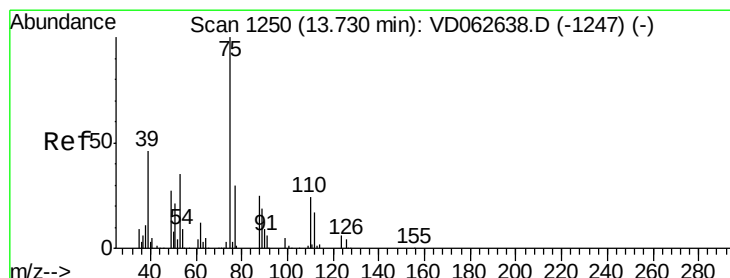
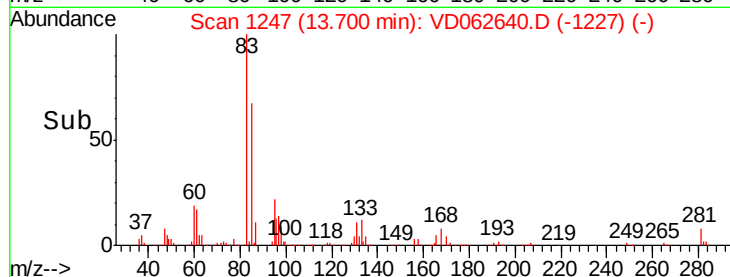
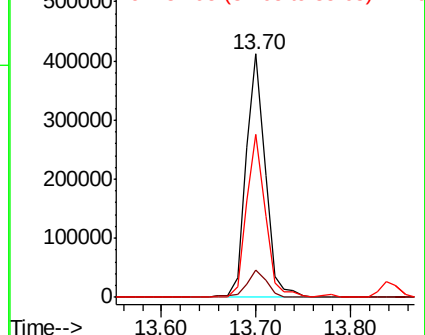
85 66.9 31.3 93.9



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: 114.658 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062640.D

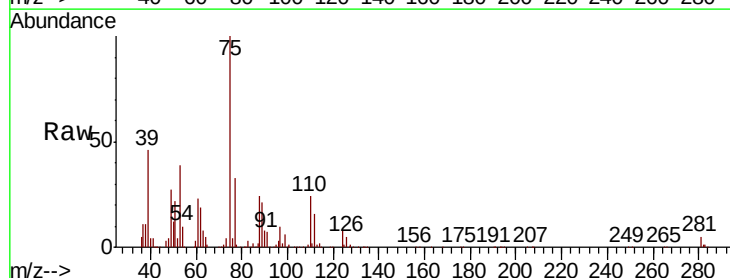
Acq: 7 Jun 2019 13:09

Tgt Ion: 75 Resp: 661590

Ion Ratio Lower Upper

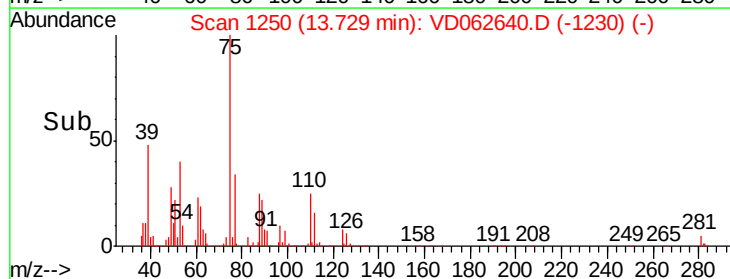
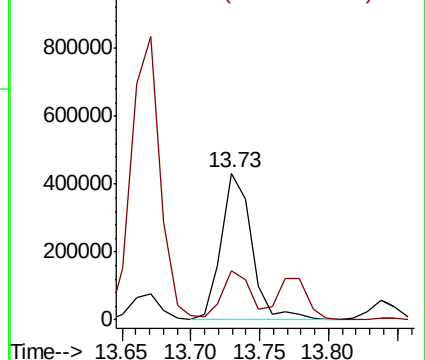
75 100

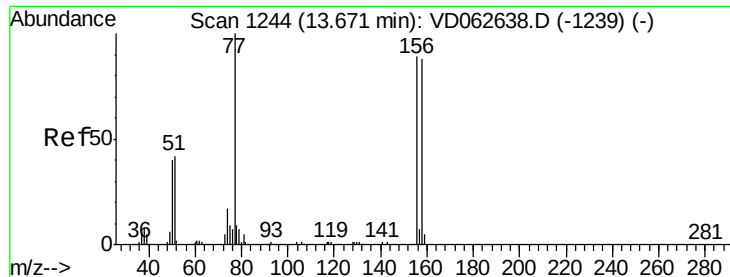
77 33.2 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 109.162 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

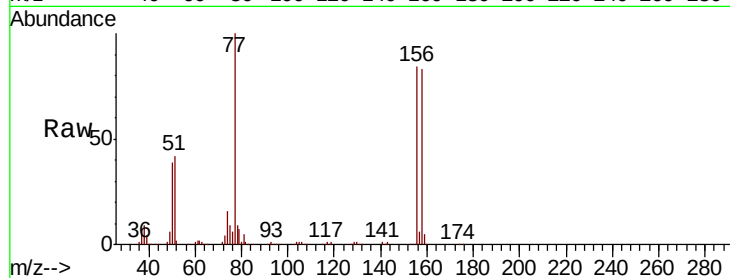
Tot Ion:156 Resp: 935317

Ion Ratio Lower Upper

156 100

77 119.5 56.3 168.8

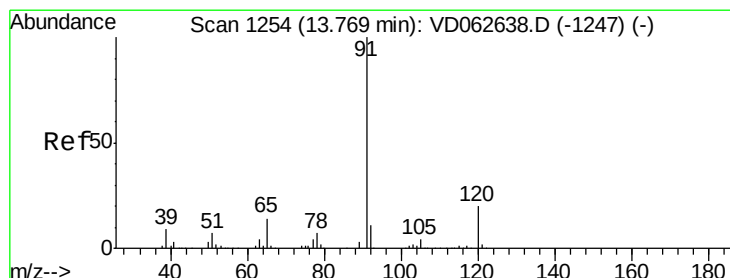
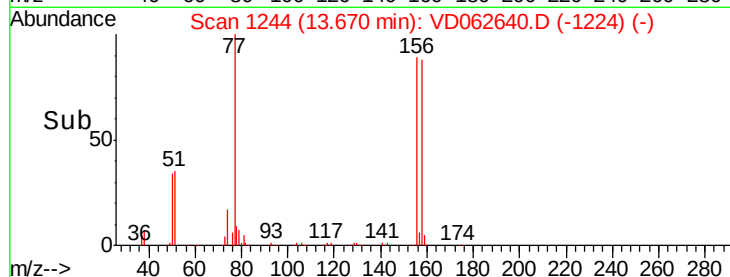
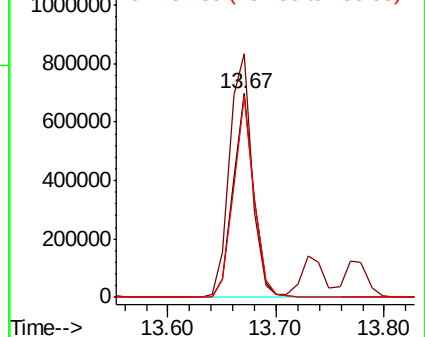
158 98.6 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 109.291 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062640.D

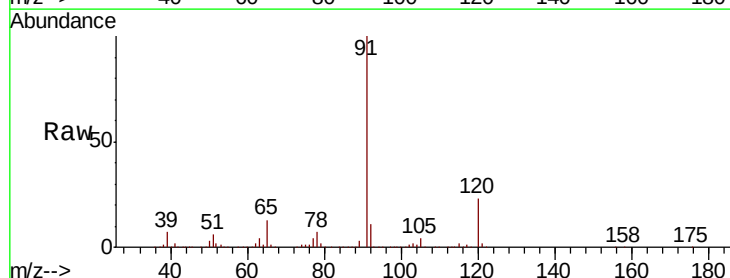
Acq: 7 Jun 2019 13:09

Tgt Ion: 91 Resp: 4029018

Ion Ratio Lower Upper

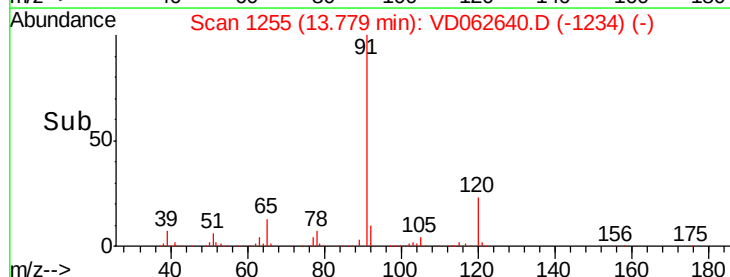
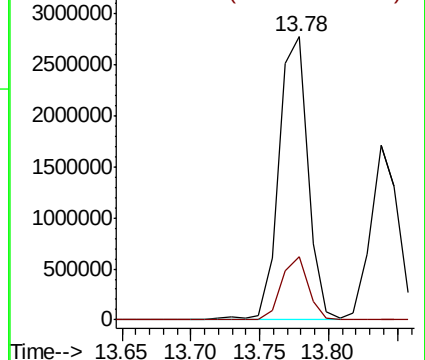
91 100

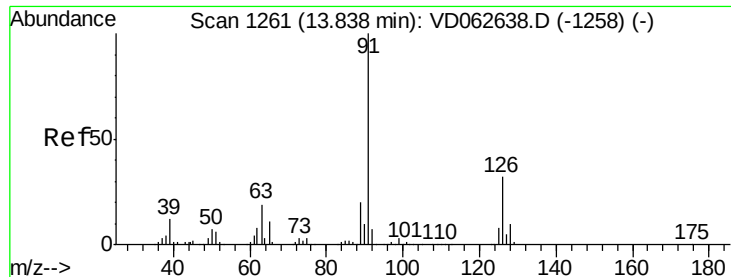
120 22.6 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 110.682 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

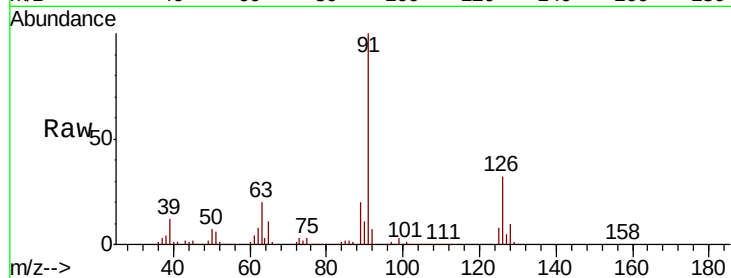
ClientSampleId :

Tot Ion: 91 Resp: 2380476

Ion Ratio Lower Upper

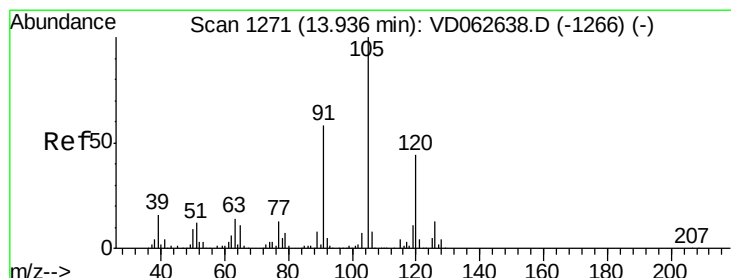
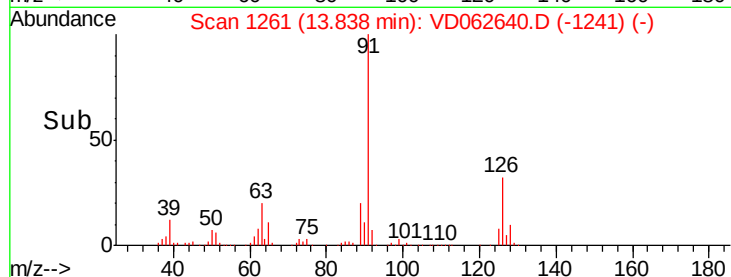
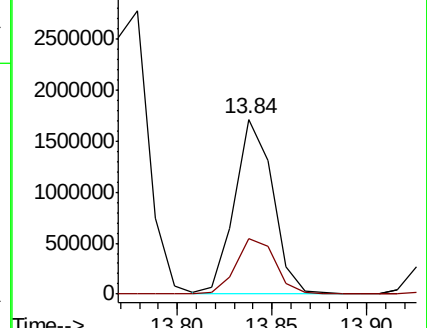
91 100

126 32.0 15.8 47.4



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

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



#80

1,3,5-Trimethylbenzene

Concen: 108.552 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062640.D

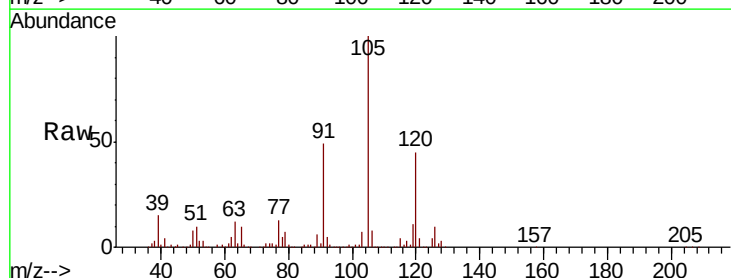
Acq: 7 Jun 2019 13:09

Tgt Ion:105 Resp: 2885177

Ion Ratio Lower Upper

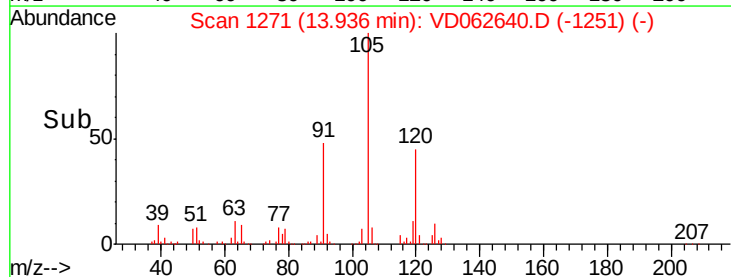
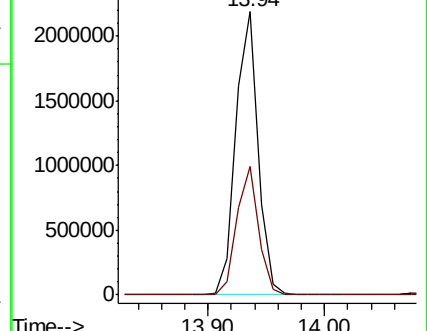
105 100

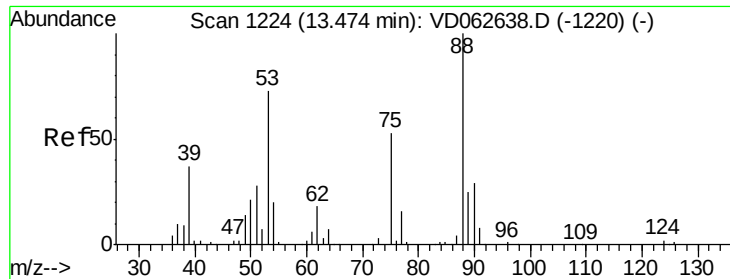
120 45.3 22.1 66.5



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 121.078 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

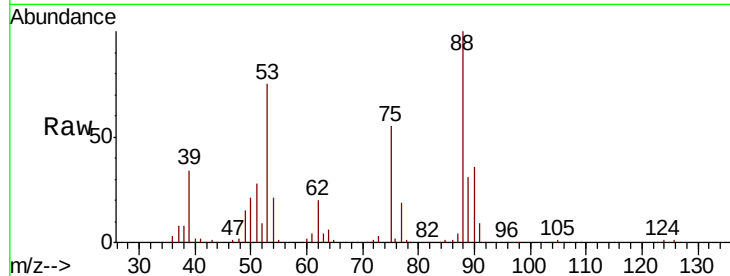
Tot Ion: 75 Resp: 179960

Ion Ratio Lower Upper

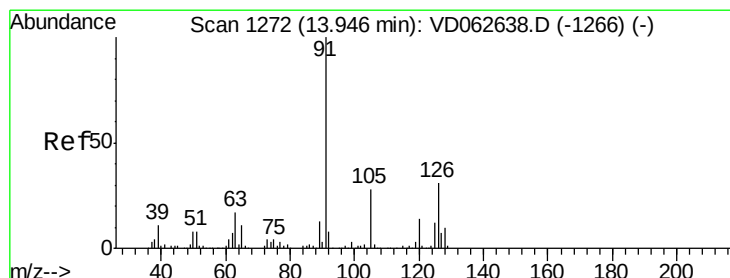
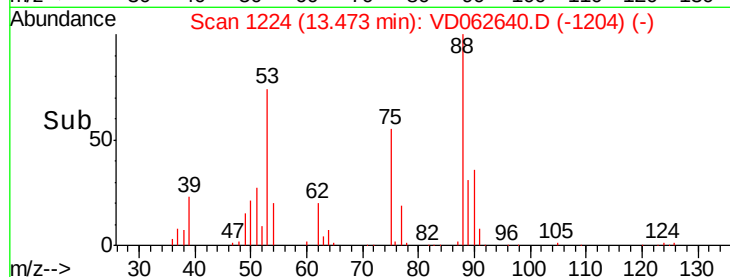
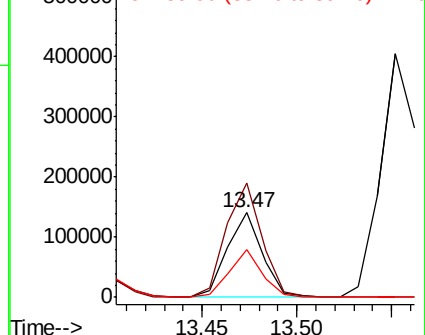
75 100

53 135.9 109.4 164.2

89 56.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 106.582 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062640.D

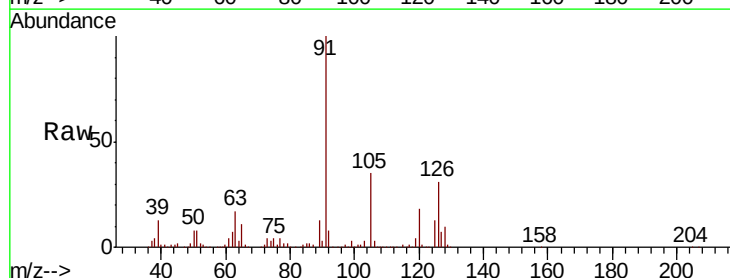
Acq: 7 Jun 2019 13:09

Tgt Ion: 91 Resp: 2757899

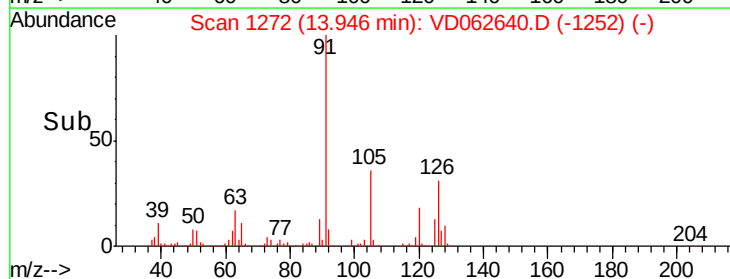
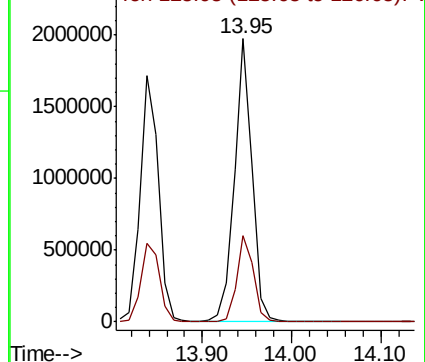
Ion Ratio Lower Upper

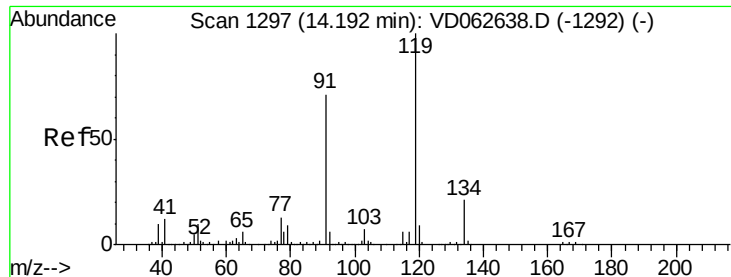
91 100

126 30.7 15.6 46.8



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

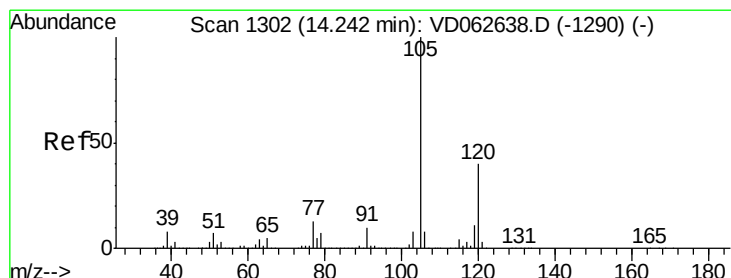
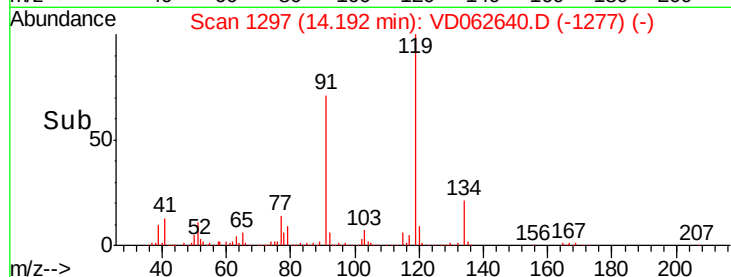
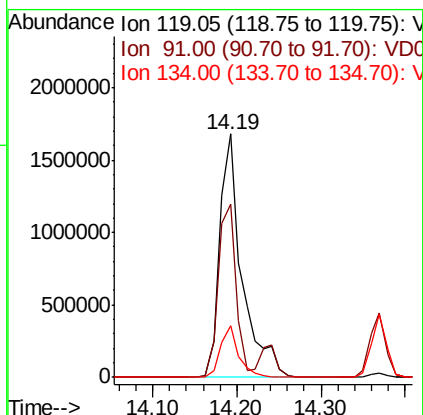
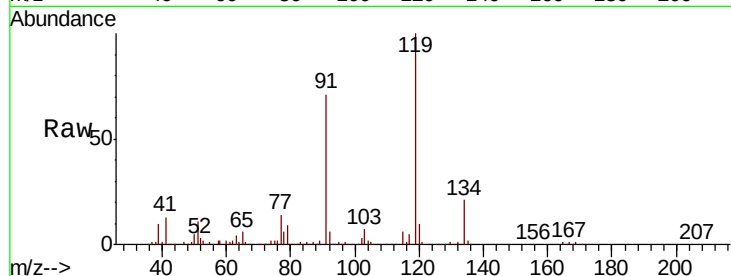




#83
 tert-Butylbenzene
 Concen: 104.246 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

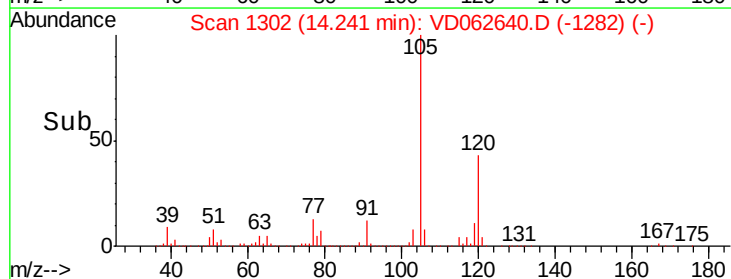
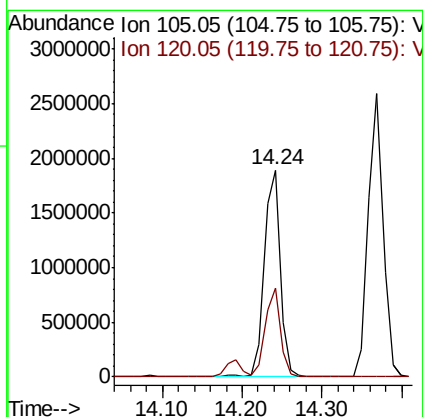
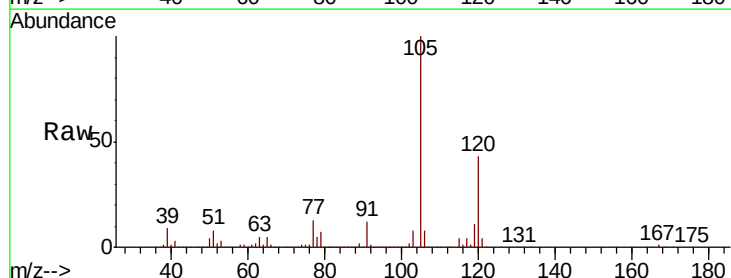
Instrument :
 MSVOA_D
 ClientSampled :

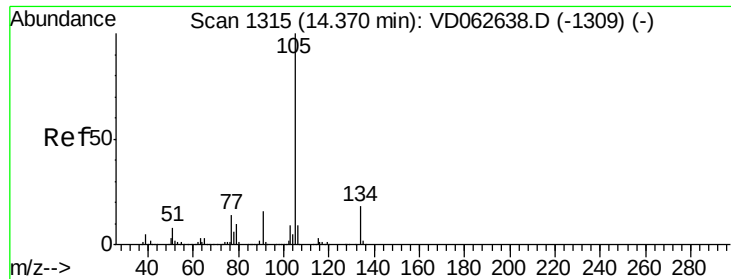
Tot Ion:119 Resp: 3091273
 Ion Ratio Lower Upper
 119 100
 91 71.3 35.4 106.1
 134 21.4 10.8 32.3



#84
 1,2,4-Trimethylbenzene
 Concen: 97.868 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion:105 Resp: 2613255
 Ion Ratio Lower Upper
 105 100
 120 43.0 20.3 60.8





#85

sec-Butylbenzene

Concen: 106.673 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

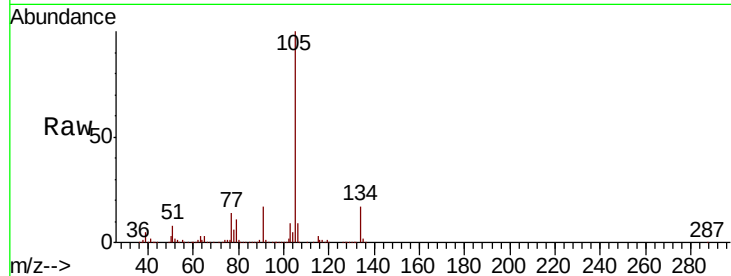
ClientSampled :

Tot Ion:105 Resp: 3289536

Ion Ratio Lower Upper

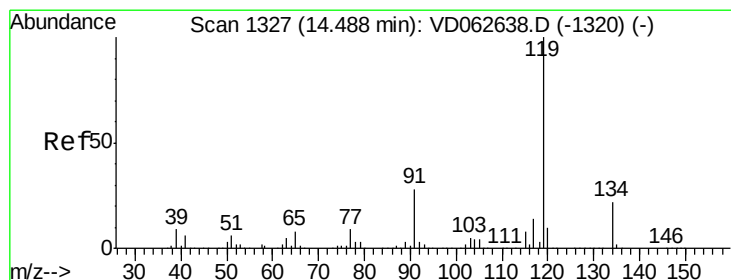
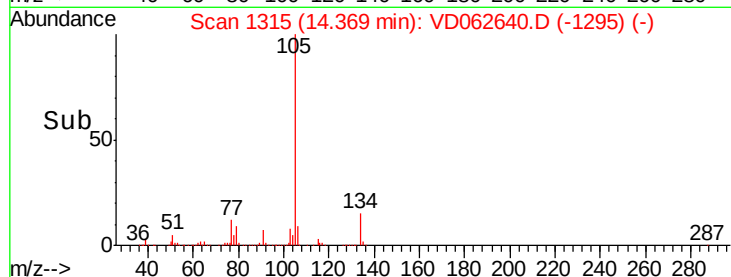
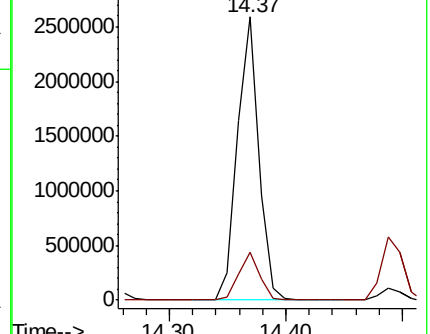
105 100

134 16.7 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 109.820 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

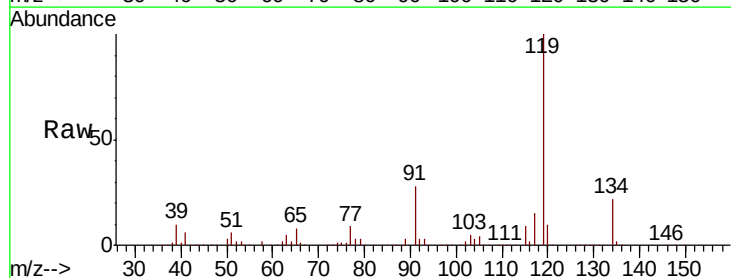
Tgt Ion:119 Resp: 3285539

Ion Ratio Lower Upper

119 100

134 22.4 10.9 32.6

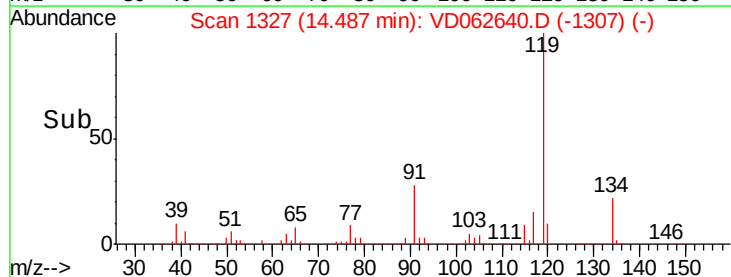
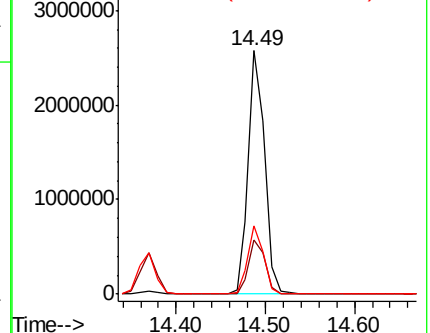
91 28.2 13.9 41.6

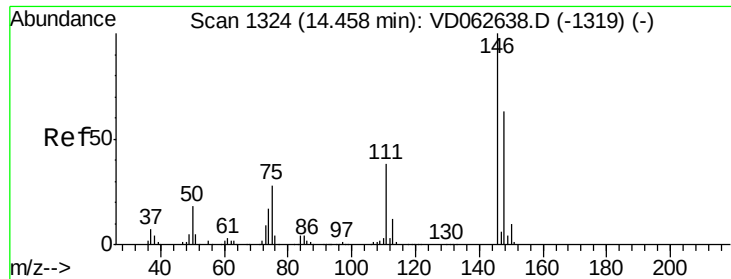


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

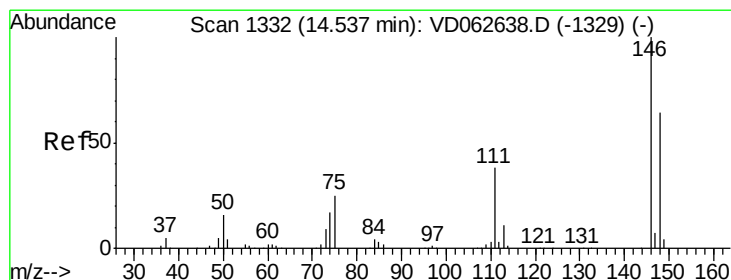
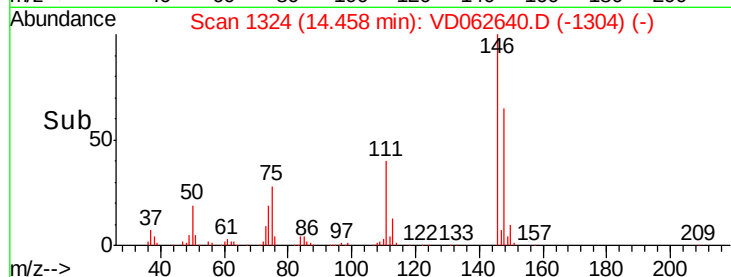
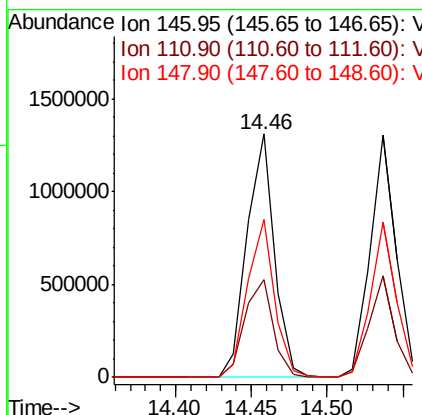
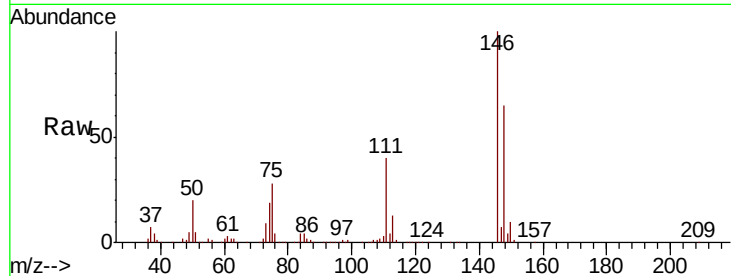




#87
 1,3-Dichlorobenzene
 Concen: 104.741 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

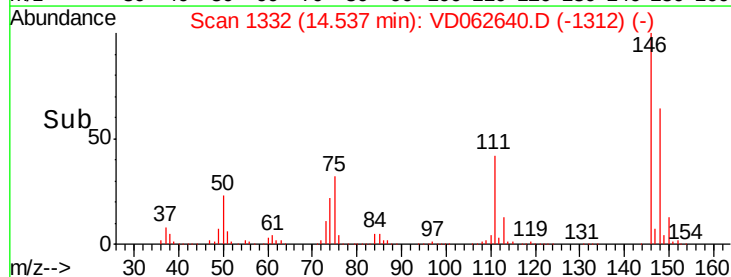
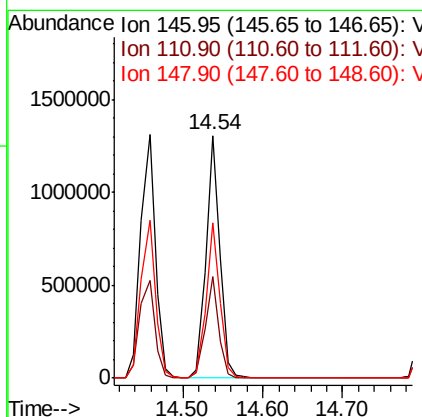
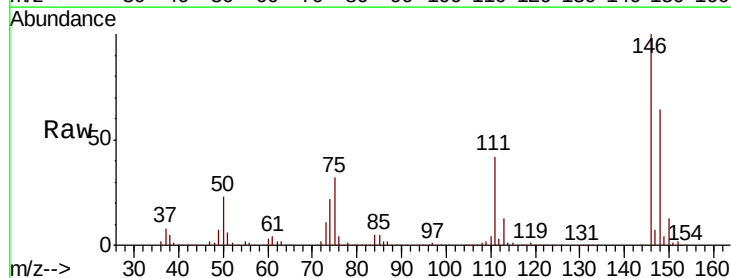
Instrument :
 MSVOA_D
 ClientSampleId :

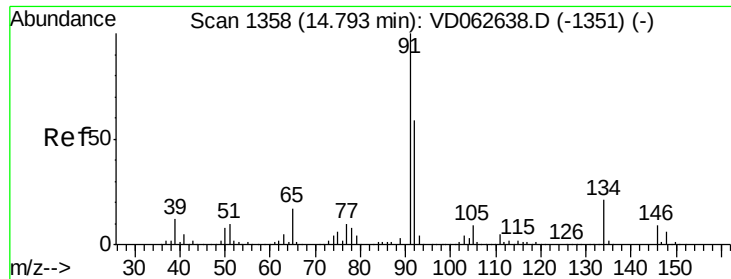
Tot Ion:146 Resp: 1659999
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.2 57.6
 148 65.0 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 106.097 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion:146 Resp: 1579400
 Ion Ratio Lower Upper
 146 100
 111 41.7 18.9 56.7
 148 63.9 32.3 96.8





#89

n-Butylbenzene

Concen: 109.623 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

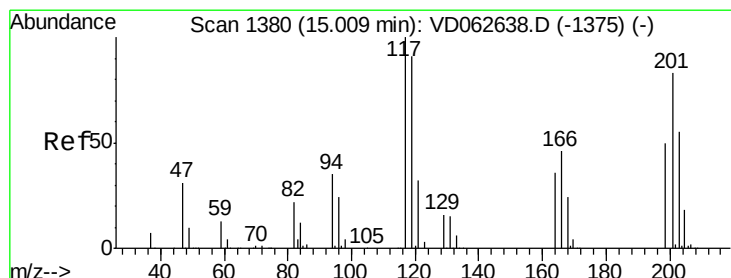
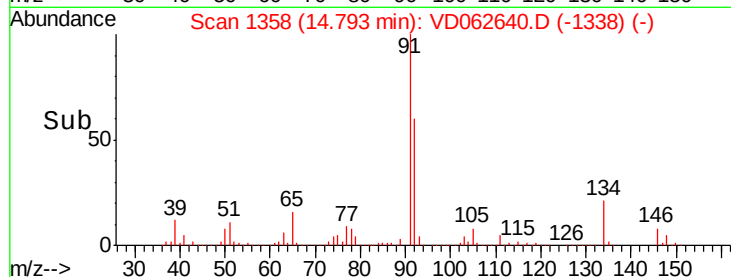
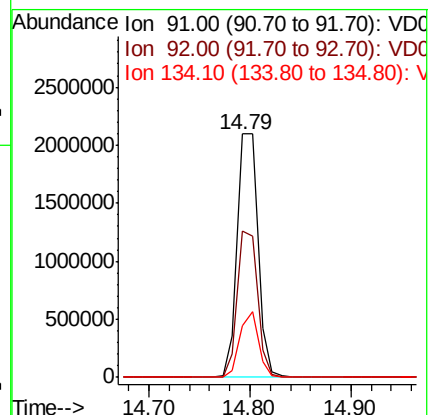
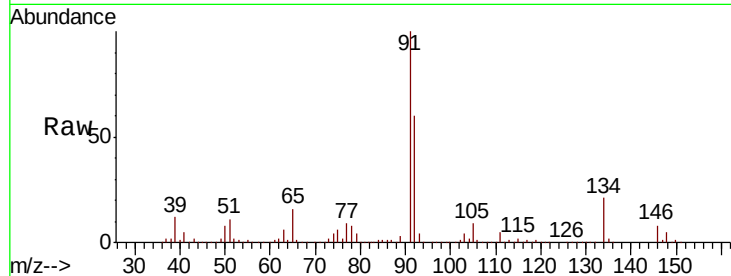
Tot Ion: 91 Resp: 2988173

Ion Ratio Lower Upper

91 100

92 60.1 29.4 88.3

134 20.9 10.4 31.2



#90

Hexachloroethane

Concen: 112.217 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062640.D

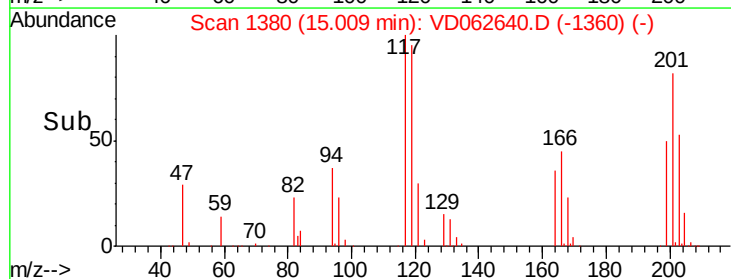
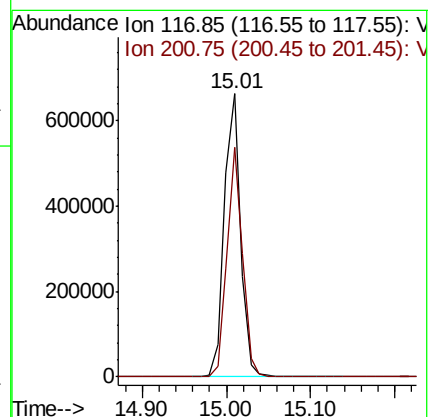
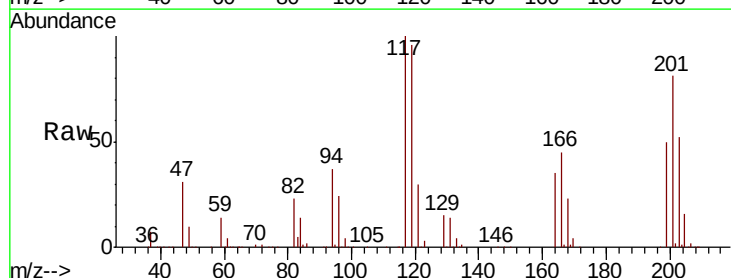
Acq: 7 Jun 2019 13:09

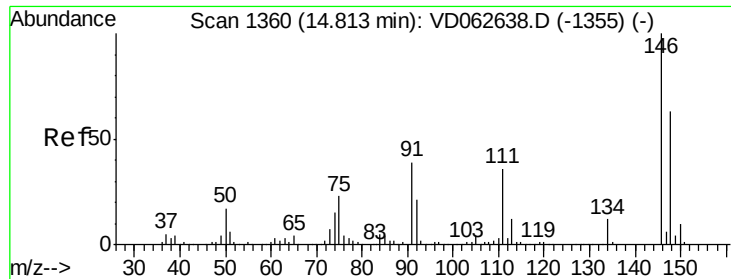
Tgt Ion: 117 Resp: 884320

Ion Ratio Lower Upper

117 100

201 81.3 41.5 124.6

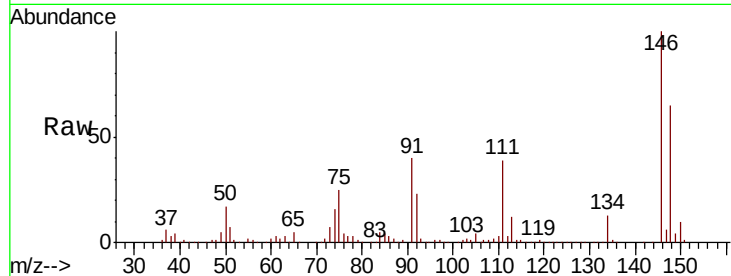




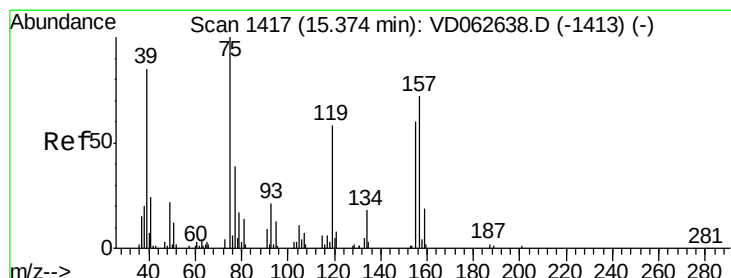
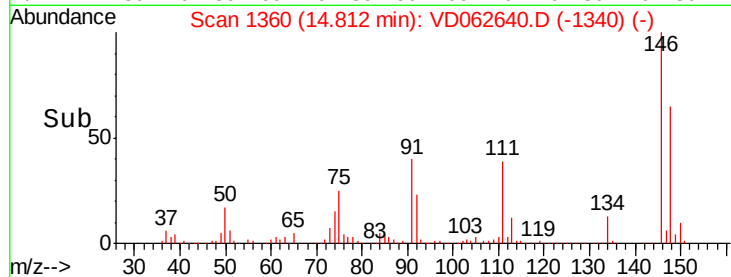
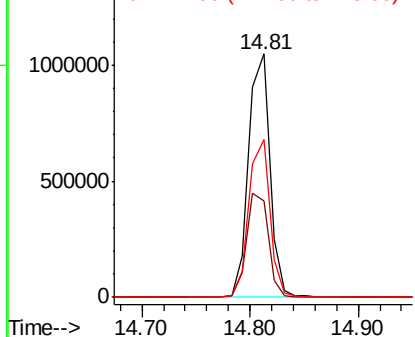
#91
 1,2-Dichlorobenzene
 Concen: 110.223 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 1435694
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.1 54.3
 148 64.9 31.4 94.0

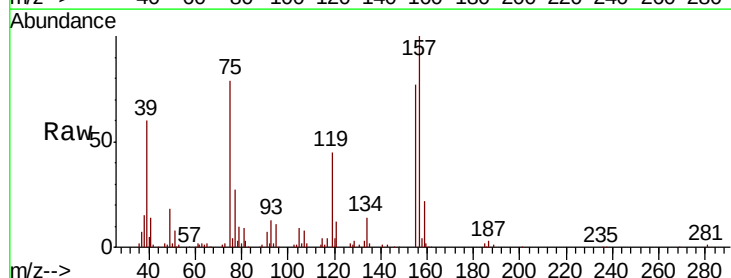


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

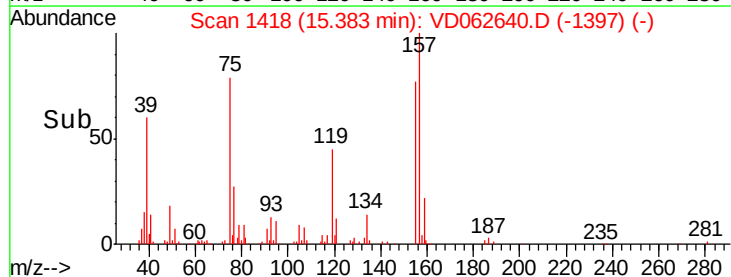
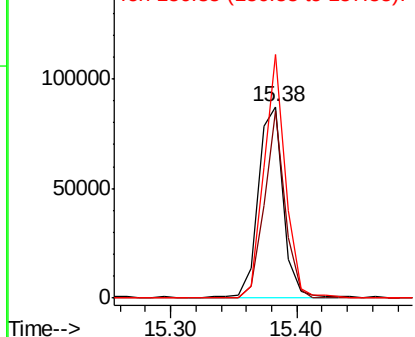


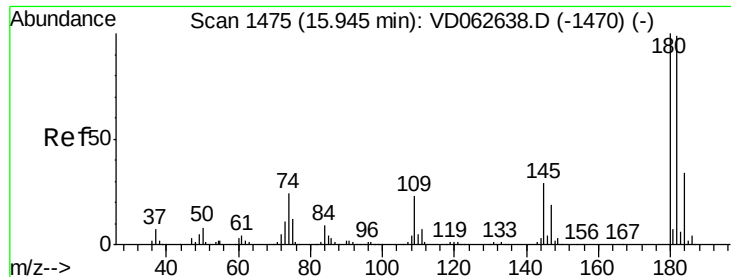
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.318 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 75 Resp: 118693
 Ion Ratio Lower Upper
 75 100
 155 97.5 30.1 90.5#
 157 127.0 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: 114.537 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

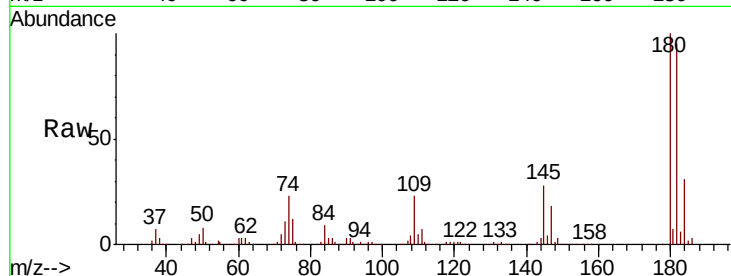
Tot Ion:180 Resp: 1131837

Ion	Ratio	Lower	Upper
180	100		
182	94.6	49.4	148.2
145	28.1	14.5	43.6

180 100

182 94.6 49.4 148.2

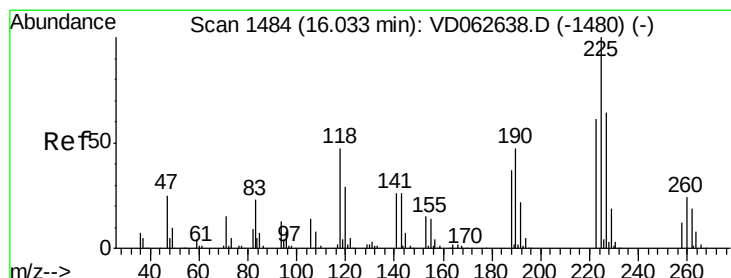
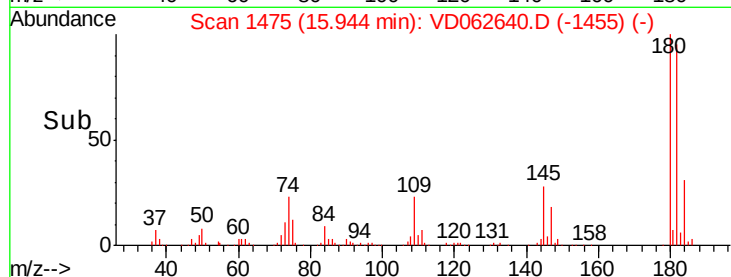
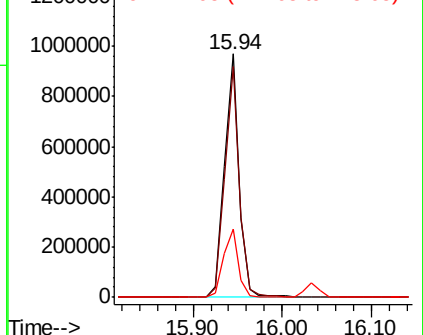
145 28.1 14.5 43.6



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: 113.650 ug/l

RT: 16.03 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

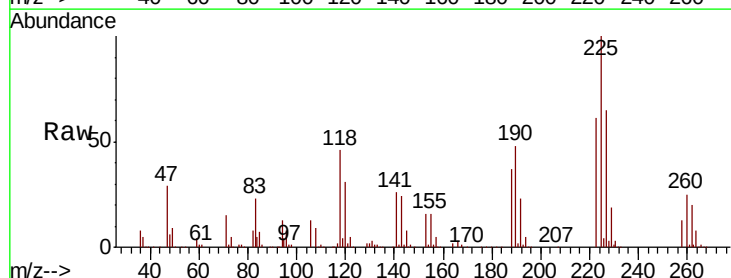
Tgt Ion:225 Resp: 886803

Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.3	91.0
227	64.9	31.8	95.4

225 100

223 61.2 30.3 91.0

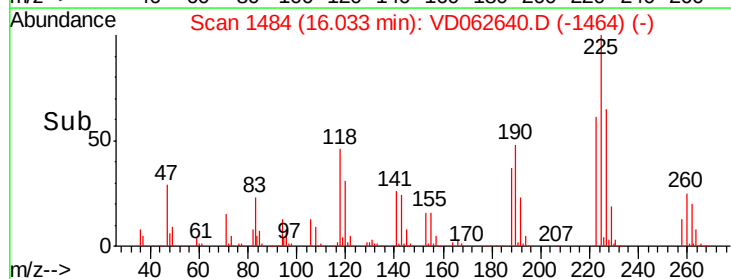
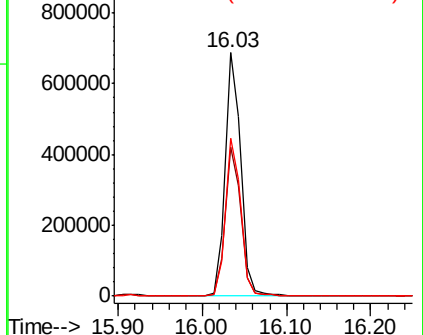
227 64.9 31.8 95.4

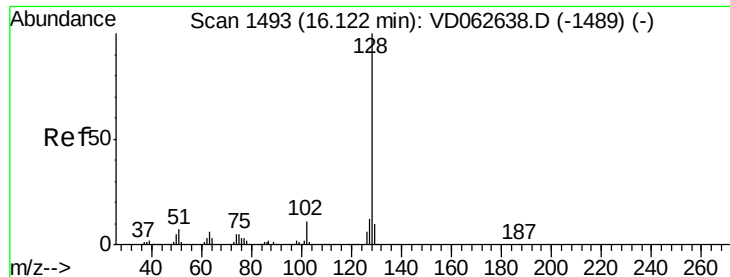


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

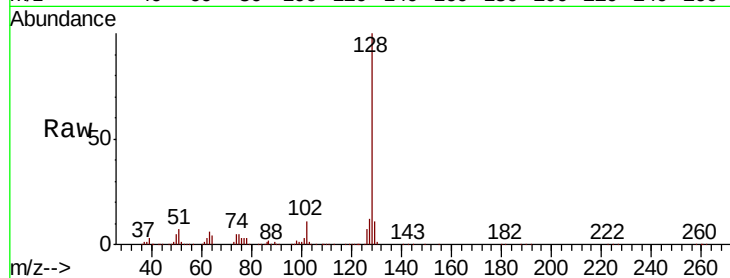




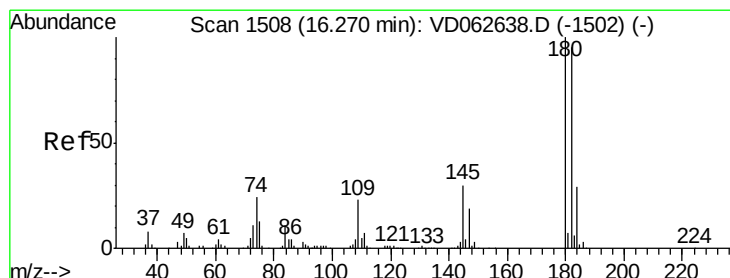
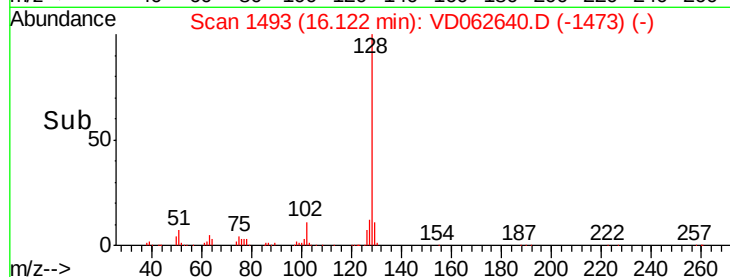
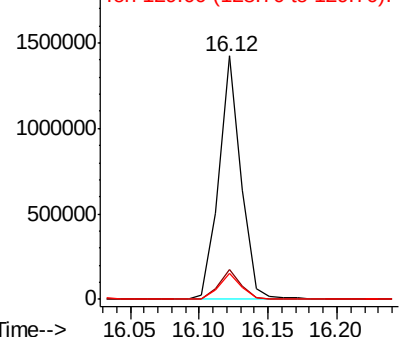
#95
Naphthalene
Concen: 116.482 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1599136
Ion Ratio Lower Upper
128 100
127 12.4 9.7 14.5
129 10.8 8.1 12.1

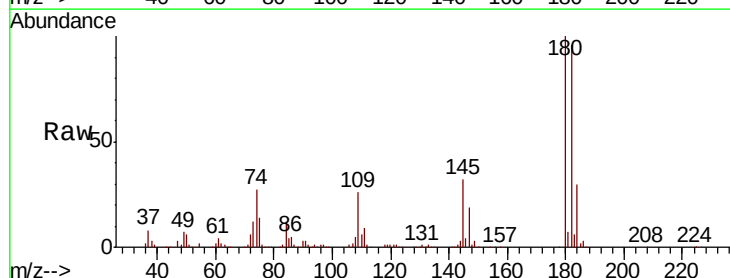


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 115.754 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion:180 Resp: 866624
Ion Ratio Lower Upper
180 100
182 96.4 47.7 143.1
145 32.1 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

