

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063121.D
 Acq On : 17 Jul 2019 10:15
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:54:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	689449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	916375	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	811502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	418858	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	405671	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
35) Dibromofluoromethane	6.92	113	450967	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	10.40	98	931093	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	13.55	95	446639	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	362830	49.447	ug/l	97
3) Chloromethane	1.74	50	314424	50.410	ug/l #	87
4) Vinyl Chloride	1.84	62	323177	43.920	ug/l	97
5) Bromomethane	2.14	94	145308	51.928	ug/l	92
6) Chloroethane	2.26	64	161674	47.300	ug/l #	87
7) Trichlorofluoromethane	2.52	101	678901	45.576	ug/l	96
8) Diethyl Ether	2.86	74	106355	50.757	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	385374	44.867	ug/l	98
10) Methyl Iodide	3.29	142	494757	46.920	ug/l	98
11) Tert butyl alcohol	4.07	59	124284	250.751	ug/l	96
12) 1,1-Dichloroethene	3.11	96	282055	46.244	ug/l	95
13) Acrolein	3.02	56	23823	159.251	ug/l	99
14) Allyl chloride	3.61	41	494873	51.625	ug/l	98
15) Acrylonitrile	4.19	53	290227	264.894	ug/l	98
16) Acetone	3.22	43	562565	271.201	ug/l	98
17) Carbon Disulfide	3.36	76	756850	43.352	ug/l	95
18) Methyl Acetate	3.63	43	155673	56.160	ug/l #	92
19) Methyl tert-butyl Ether	4.23	73	788562	51.216	ug/l	99
20) Methylene Chloride	3.80	84	335876	42.859	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	338989	50.066	ug/l	97
22) Diisopropyl ether	5.12	45	1108405	53.182	ug/l	97
23) Vinyl Acetate	5.05	43	3456571	284.273	ug/l	98
24) 1,1-Dichloroethane	4.97	63	646391	50.349	ug/l	98
25) 2-Butanone	6.06	43	508030	256.472	ug/l	97
26) 2,2-Dichloropropane	6.01	77	651258	45.836	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	363168	47.151	ug/l	90
28) Bromochloromethane	6.43	49	224561	48.214	ug/l	99
29) Tetrahydrofuran	6.46	42	226468	252.212	ug/l	96
30) Chloroform	6.65	83	791820	50.080	ug/l	95
31) Cyclohexane	6.95	56	401852	49.150	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	753212	48.310	ug/l	98
36) 1,1-Dichloropropene	7.14	75	489458	47.491	ug/l	92
37) Ethyl Acetate	6.17	43	229982	52.140	ug/l	97
38) Carbon Tetrachloride	7.11	117	803959	51.336	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	400889	44.992	ug/l	95
40) Benzene	7.45	78	1063195	49.255	ug/l	100
41) Methacrylonitrile	6.45	41	303639	50.776	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	554602	48.226	ug/l	98
43) Isopropyl Acetate	9.23	43	320328	50.667	ug/l #	98
44) Trichloroethene	8.53	130	421177	50.488	ug/l	100
45) 1,2-Dichloropropane	8.94	63	279071	51.855	ug/l	98
46) Dibromomethane	9.05	93	232222	50.214	ug/l	93
47) Bromodichloromethane	9.37	83	606353	50.244	ug/l #	94
48) Methyl methacrylate	9.11	41	205495	49.495	ug/l	95
49) 1,4-Dioxane	9.07	88	41951	1171.615	ug/l #	82
51) 4-Methyl-2-Pentanone	10.30	43	1167688	278.466	ug/l	99
52) Toluene	10.50	92	714285	49.554	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	501005	48.456	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	551005	51.540	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	275595	55.326	ug/l	94
56) Ethyl methacrylate	11.03	69	297285	53.414	ug/l	98
57) 1,3-Dichloropropane	11.41	76	401297	52.943	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	884476	285.409	ug/l	99
59) 2-Hexanone	11.53	43	922928	285.392	ug/l	97
60) Dibromochloromethane	11.68	129	488838	51.195	ug/l	98
61) 1,2-Dibromoethane	11.80	107	313341	52.551	ug/l	97
64) Tetrachloroethene	11.25	164	363375	46.147	ug/l	98
65) Chlorobenzene	12.39	112	916774	48.059	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	437829	49.504	ug/l	95
67) Ethyl Benzene	12.52	91	1596854	48.178	ug/l	99
68) m/p-Xylenes	12.67	106	1136222	95.709	ug/l	98
69) o-Xylene	13.04	106	543136	48.249	ug/l	94
70) Styrene	13.07	104	947683	48.096	ug/l	98
71) Bromoform	13.23	173	312542	50.476	ug/l	97
73) Isopropylbenzene	13.40	105	1612769	49.858	ug/l	96
74) N-amyl acetate	13.26	43	435073	48.227	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	295956	50.287	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	312935	48.568	ug/l	100
77) Bromobenzene	13.66	156	473554	51.624	ug/l	78
78) n-propylbenzene	13.77	91	1870570	50.251	ug/l	98
79) 2-Chlorotoluene	13.84	91	1061771	47.175	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1333292	47.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	89486	52.740	ug/l	92
82) 4-Chlorotoluene	13.95	91	1310391	49.859	ug/l	98
83) tert-Butylbenzene	14.18	119	1552498	48.703	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1390898	49.487	ug/l	95
85) sec-Butylbenzene	14.36	105	1684844	49.746	ug/l	93
86) p-Isopropyltoluene	14.49	119	1370138	43.365	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	806389	49.225	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	775710	49.392	ug/l	99
89) n-Butylbenzene	14.79	91	1437092	49.348	ug/l	99
90) Hexachloroethane	15.00	117	417100	49.382	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	737260	50.541	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59224	52.499	ug/l	94

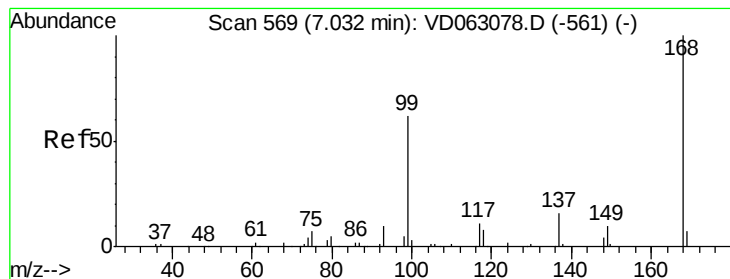
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071719\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	535605	48.872	ug/l	99
94) Hexachlorobutadiene	16.03	225	393087	48.662	ug/l	99
95) Naphthalene	16.12	128	801391	49.990	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	391482	44.405	ug/l	99

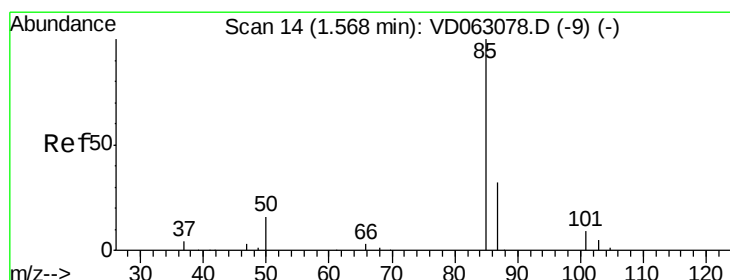
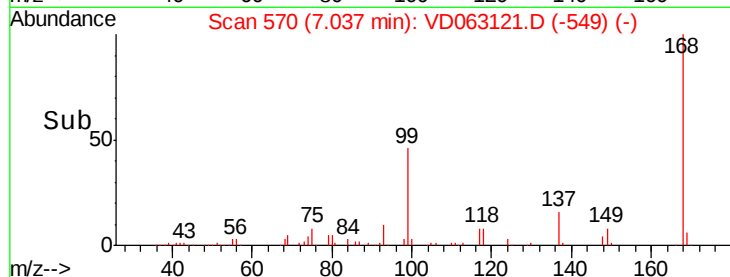
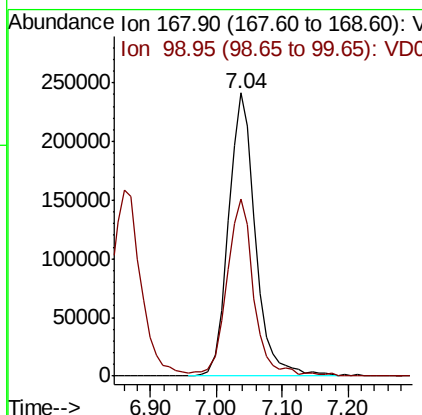
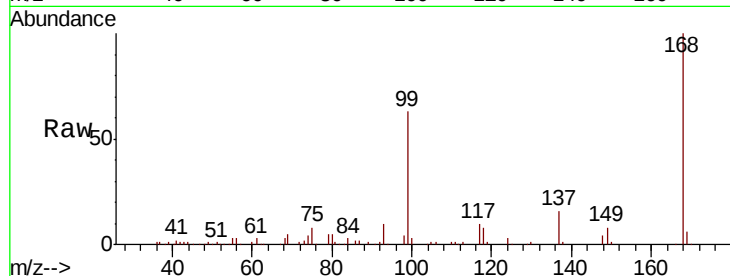
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

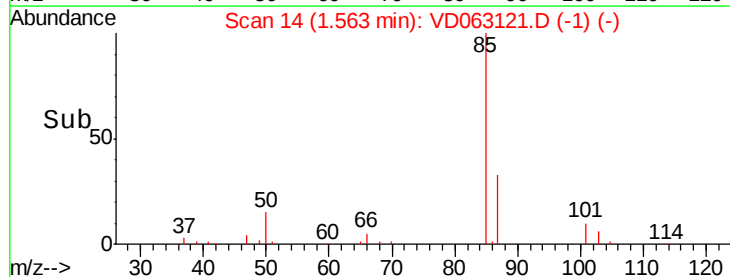
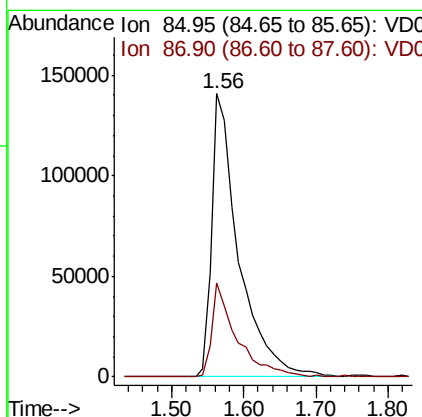
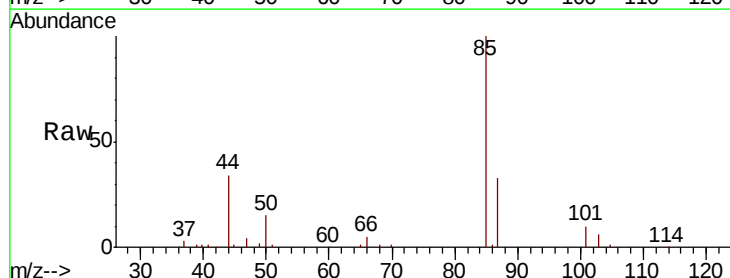
Instrument :
MSVOA_D
ClientSampled :

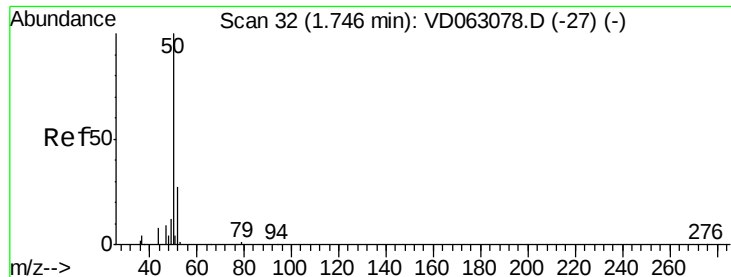
Tot Ion:168 Resp: 689449
Ion Ratio Lower Upper
168 100
99 62.5 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 49.447 ug/l
RT: 1.56 min Scan# 14
Delta R.T. -0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 85 Resp: 362830
Ion Ratio Lower Upper
85 100
87 33.3 15.9 47.7

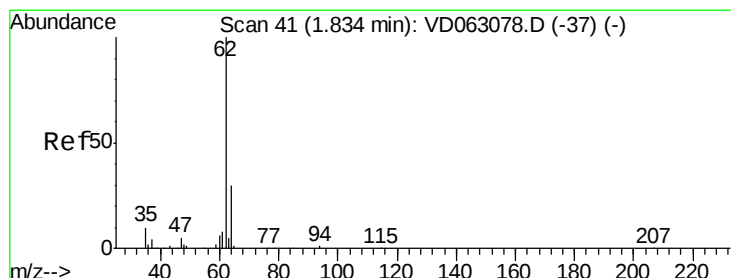
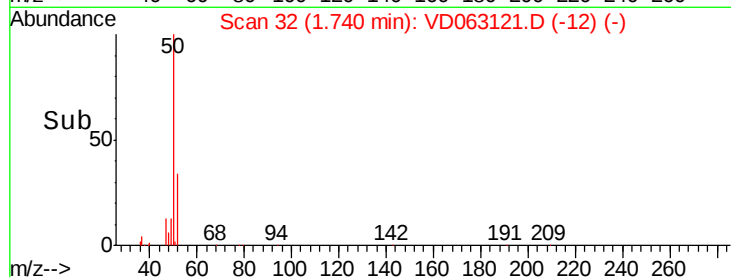
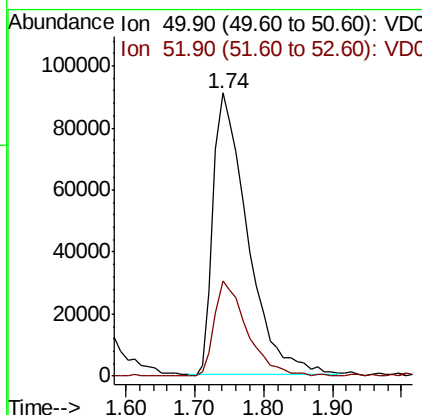
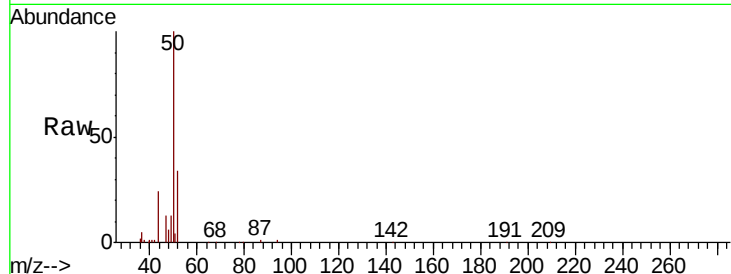




#3
Chloromethane
Concen: 50.410 ug/l
RT: 1.74 min Scan# 32
Delta R.T. -0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

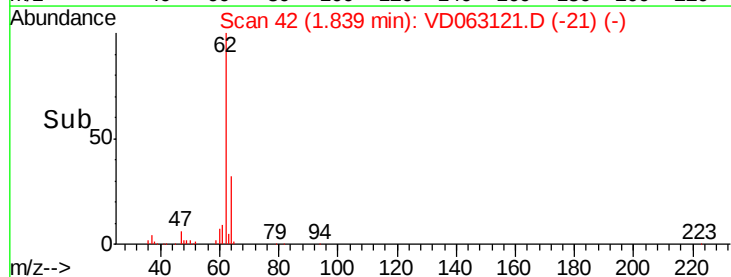
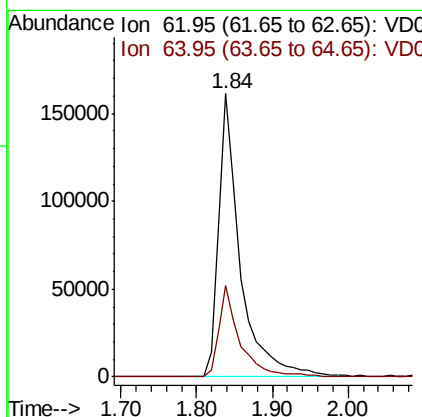
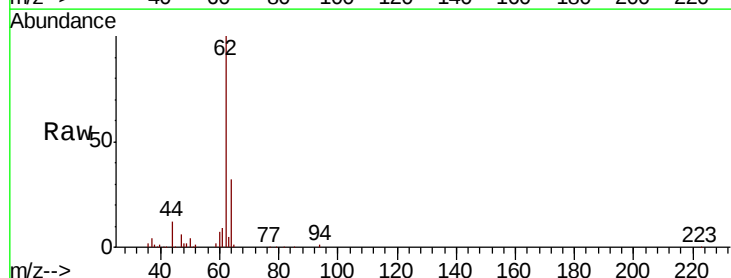
Instrument :
MSVOA_D
ClientSampled :

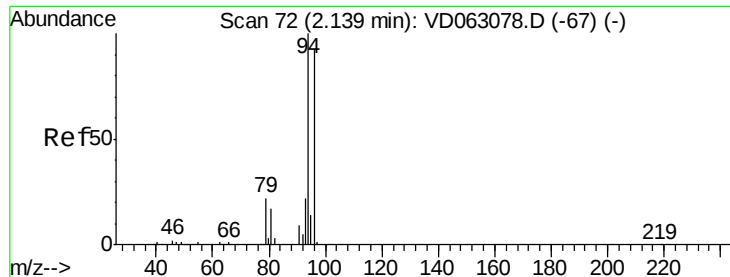
Tot Ion: 50 Resp: 314424
Ion Ratio Lower Upper
50 100
52 33.6 21.4 32.2#



#4
Vinyl Chloride
Concen: 43.920 ug/l
RT: 1.84 min Scan# 42
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 62 Resp: 323177
Ion Ratio Lower Upper
62 100
64 32.2 24.4 36.6





#5

Bromomethane

Concen: 51.928 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

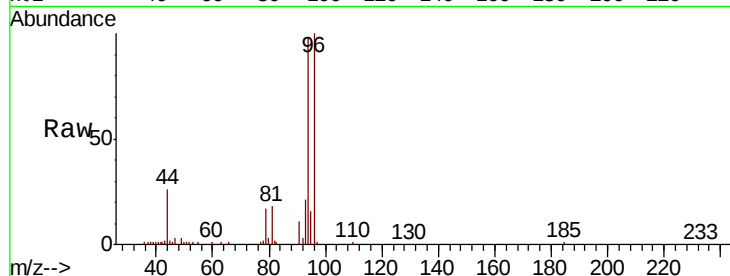
Tot Ion: 94 Resp: 145308

Ion Ratio Lower Upper

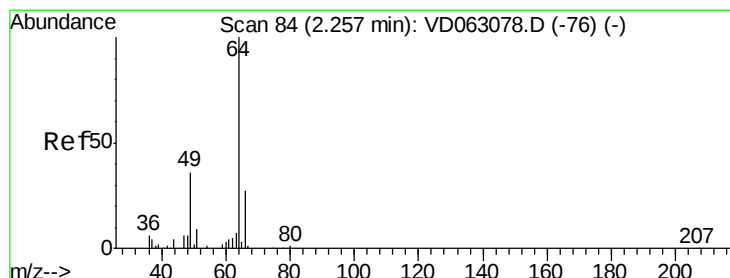
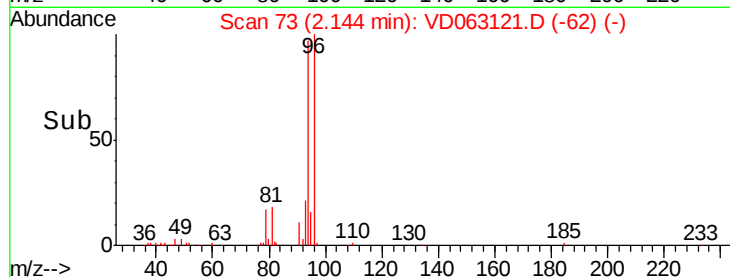
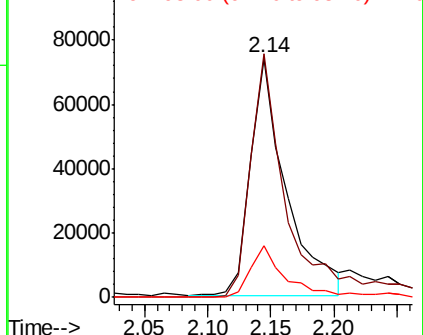
94 100

96 101.8 74.2 111.2

93 21.9 17.8 26.6



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: 47.300 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063121.D

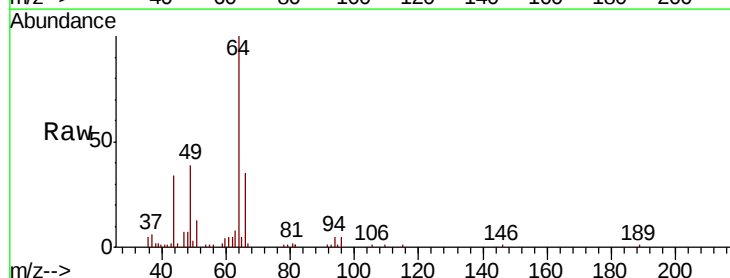
Acq: 17 Jul 2019 10:15

Tgt Ion: 64 Resp: 161674

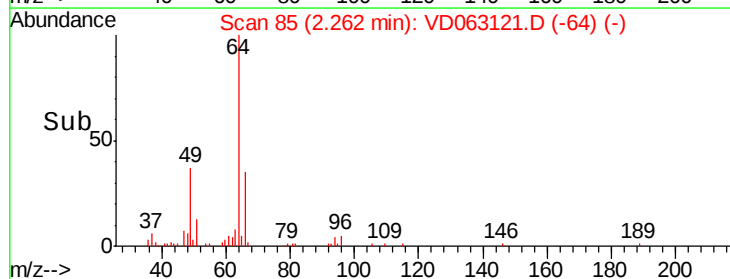
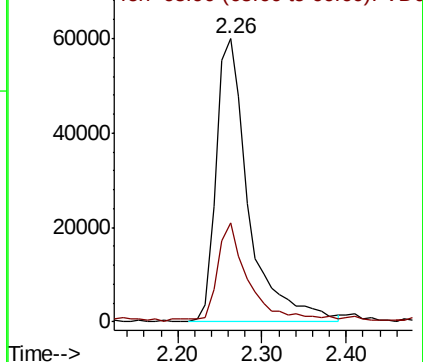
Ion Ratio Lower Upper

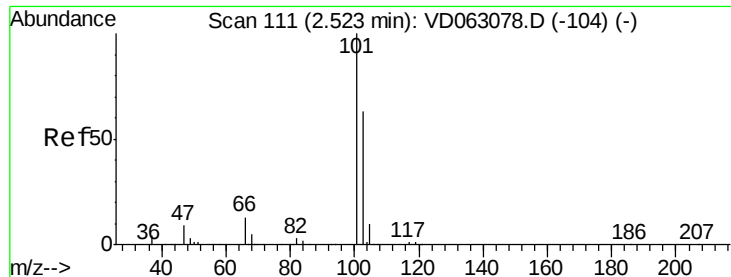
64 100

66 35.1 22.5 33.7#



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



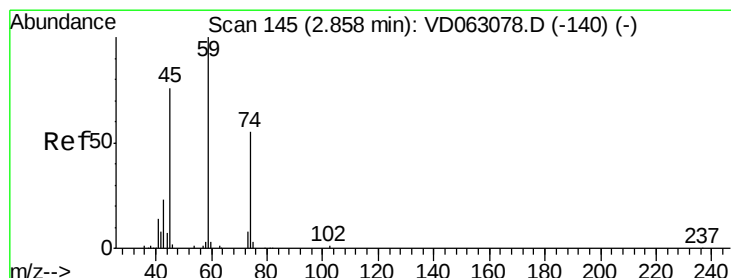
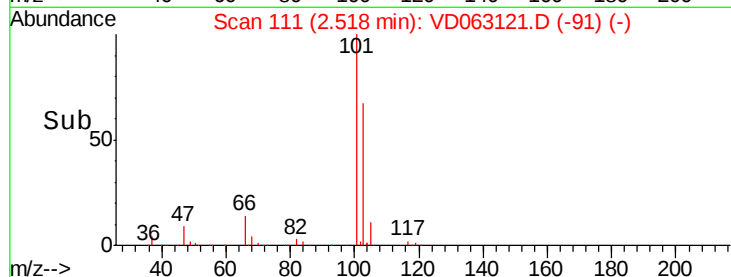
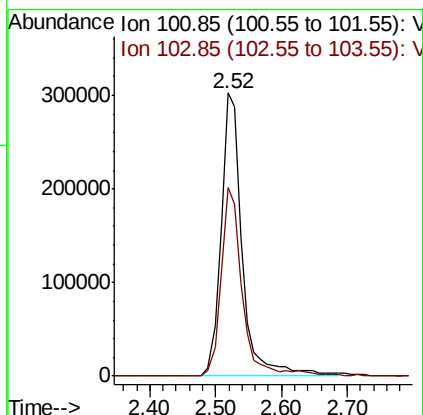
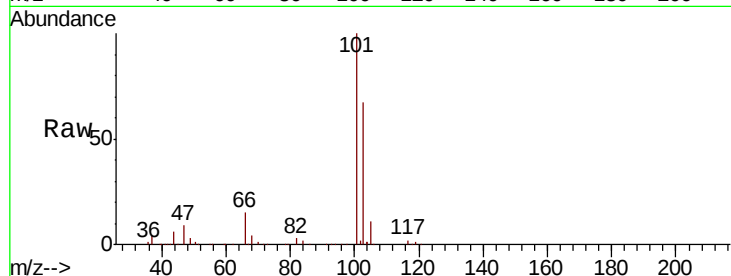


#7

Trichlorofluoromethane
 Concen: 45.576 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
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 ClientSampleId :

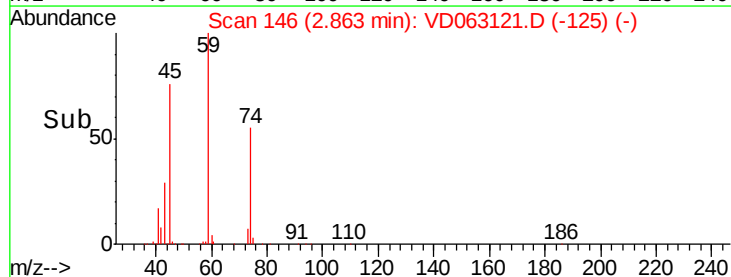
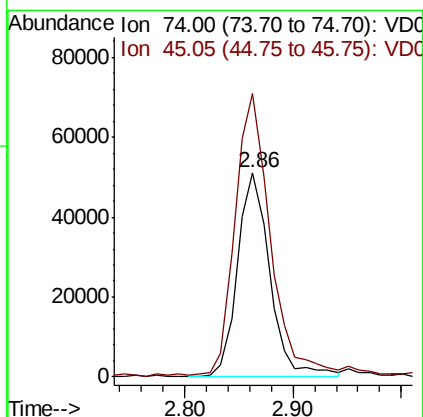
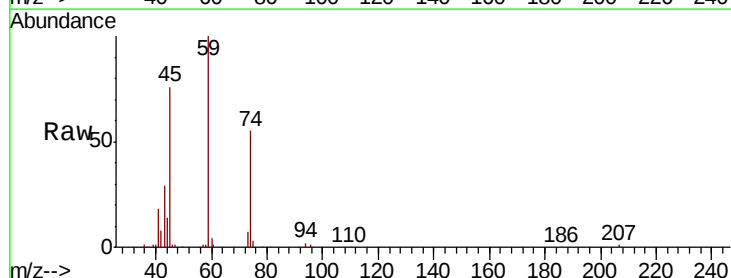
Tot Ion:101 Resp: 678901
 Ion Ratio Lower Upper
 101 100
 103 66.7 50.6 76.0

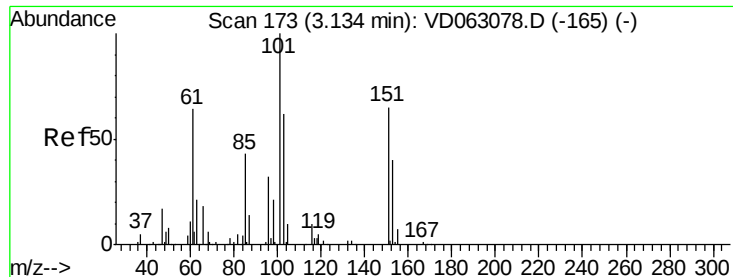


#8

Diethyl Ether
 Concen: 50.757 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion: 74 Resp: 106355
 Ion Ratio Lower Upper
 74 100
 45 138.7 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.867 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

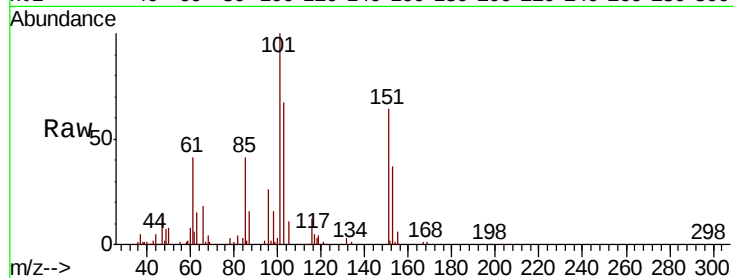
Tot Ion:101 Resp: 385374

Ion Ratio Lower Upper

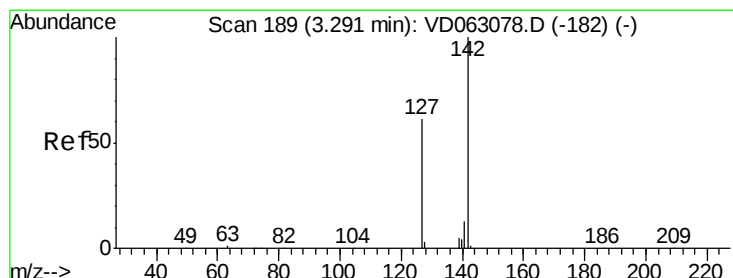
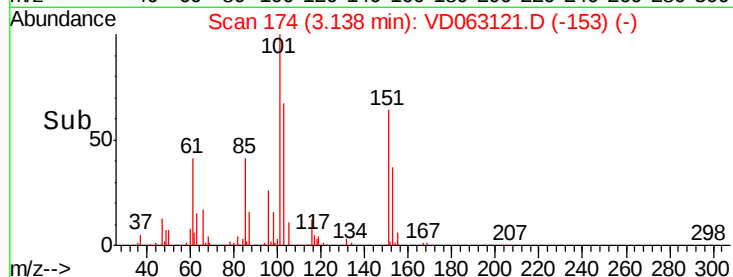
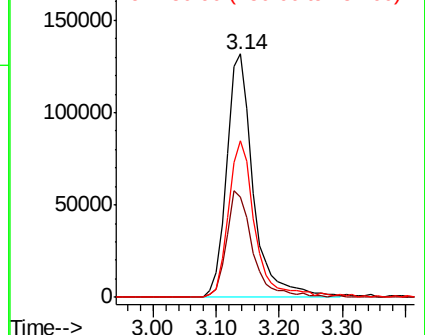
101 100

85 41.4 34.6 51.8

151 64.5 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 46.920 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

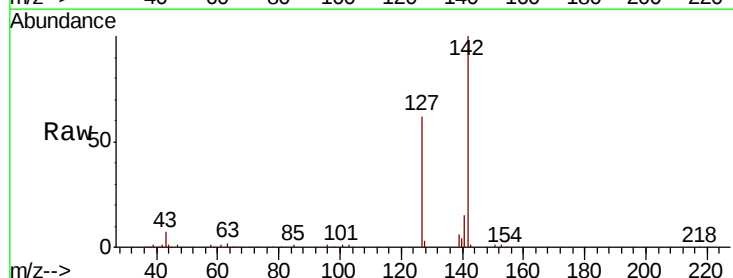
Tgt Ion:142 Resp: 494757

Ion Ratio Lower Upper

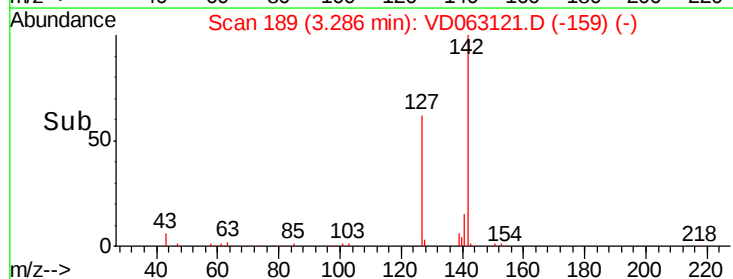
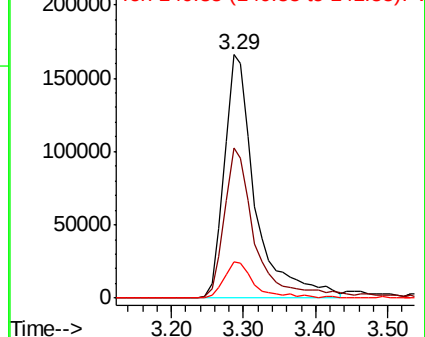
142 100

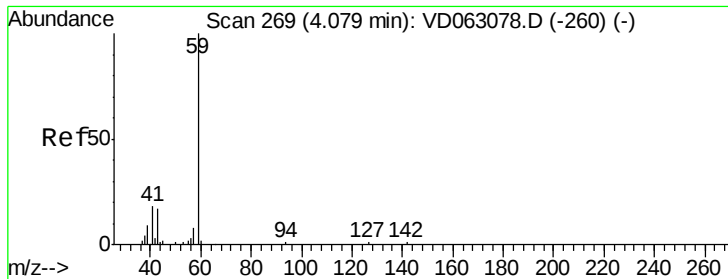
127 61.6 48.6 73.0

141 15.1 10.6 16.0



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

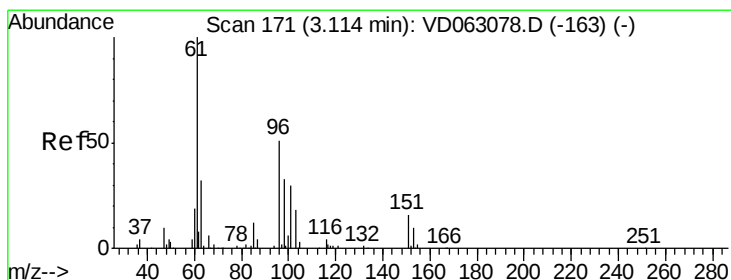
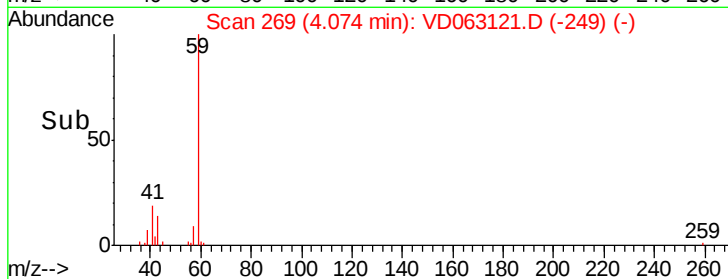
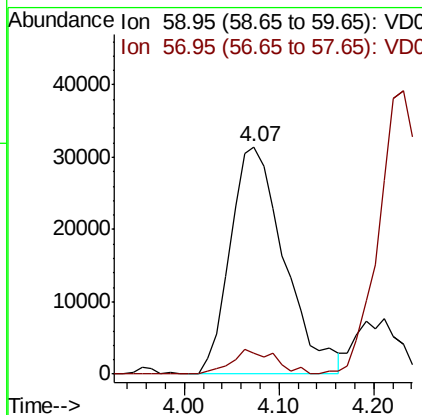
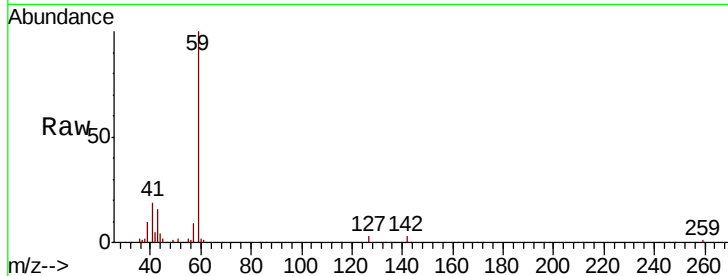




#11
Tert butyl alcohol
Concen: 250.751 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

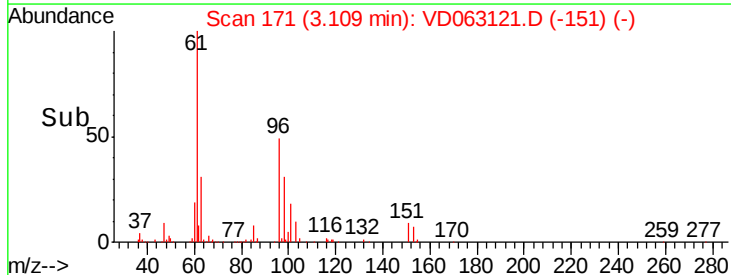
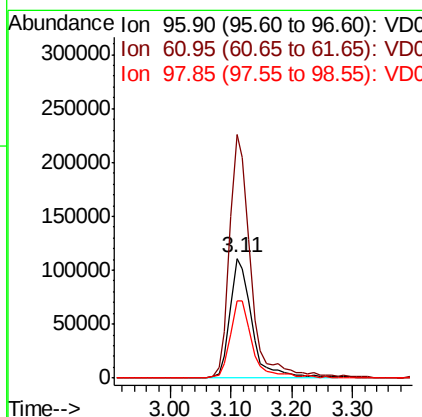
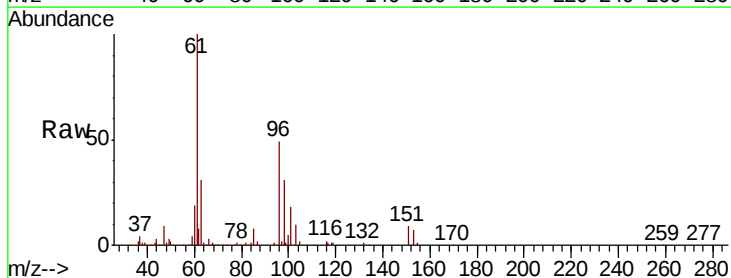
Instrument :
MSVOA_D
ClientSampleId :

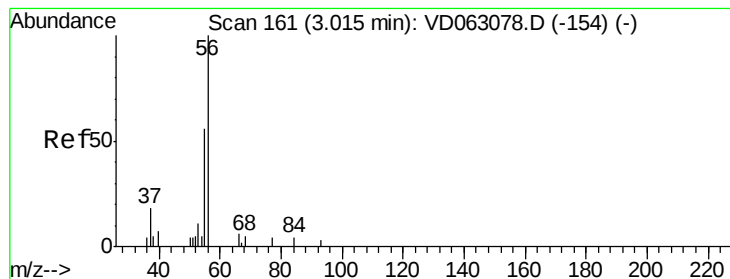
Tot Ion: 59 Resp: 124284
Ion Ratio Lower Upper
59 100
57 9.2 6.4 9.6



#12
1,1-Dichloroethene
Concen: 46.244 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 96 Resp: 282055
Ion Ratio Lower Upper
96 100
61 203.1 155.5 233.3
98 63.9 51.5 77.3





#13

Acrolein

Concen: 159.251 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

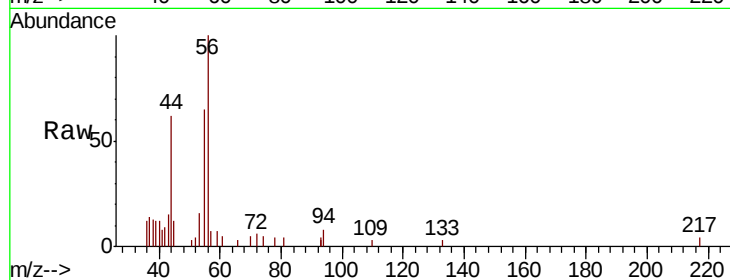
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 23823

Ion Ratio Lower Upper

56 100

55 65.5 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

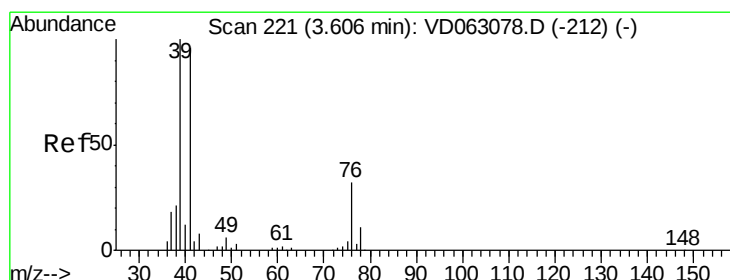
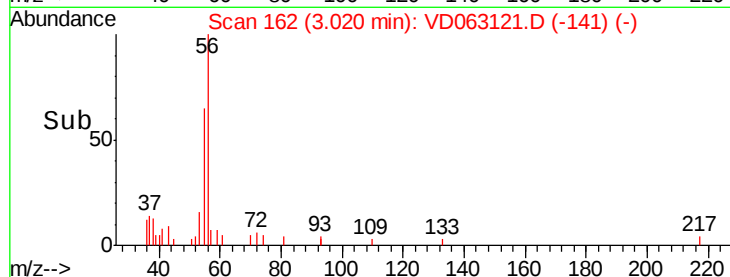
2000

0

Time-->

2.90 3.00 3.10

3.02



#14

Allyl chloride

Concen: 51.625 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

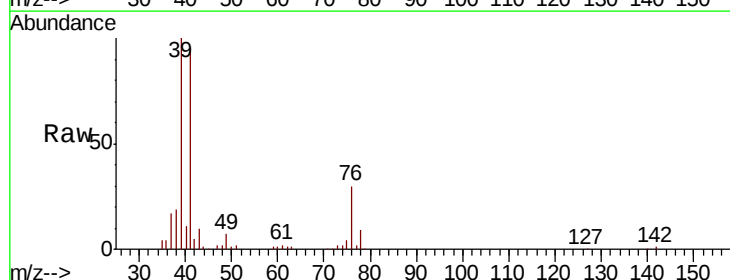
Tgt Ion: 41 Resp: 494873

Ion Ratio Lower Upper

41 100

39 105.5 83.5 125.3

76 32.0 27.8 41.8



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

250000

200000

150000

100000

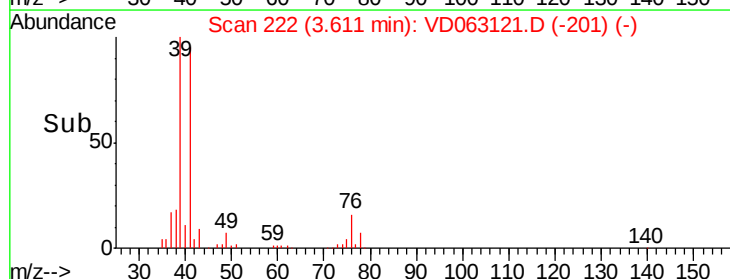
50000

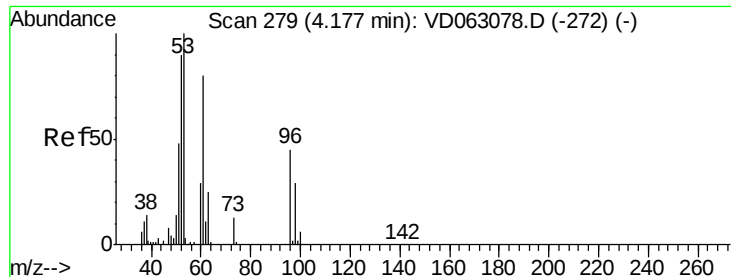
0

Time-->

3.50 3.60 3.70 3.80

3.61





#15

Acrylonitrile

Concen: 264.894 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

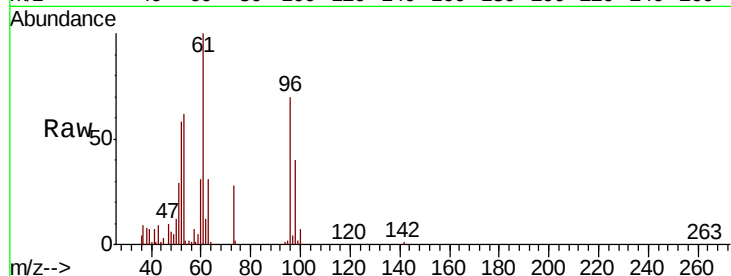
Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 53 Resp: 290227

Ion	Ratio	Lower	Upper
53	100		
52	92.7	72.3	108.5
51	47.0	38.0	57.0

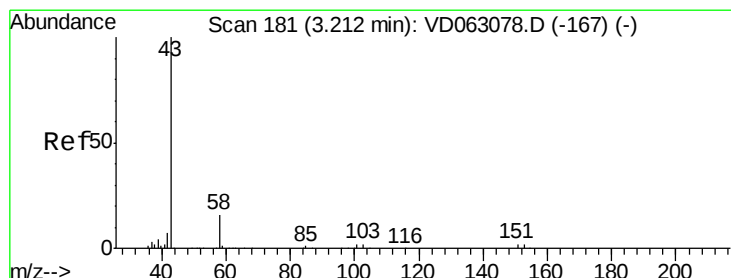
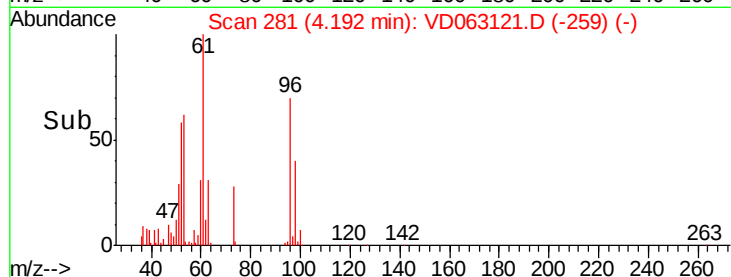
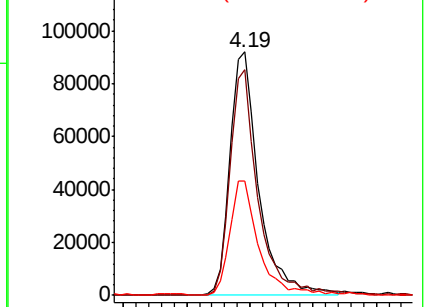


Abundance

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: 271.201 ug/l

RT: 3.22 min Scan# 182

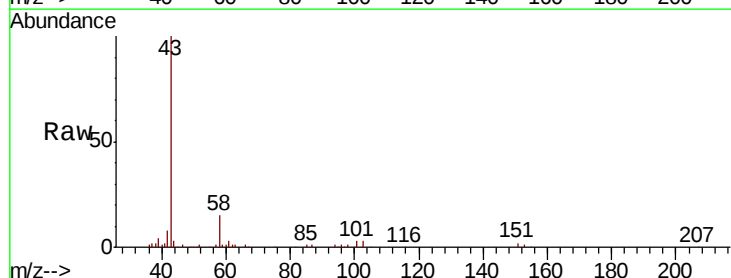
Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Tgt Ion: 43 Resp: 562565

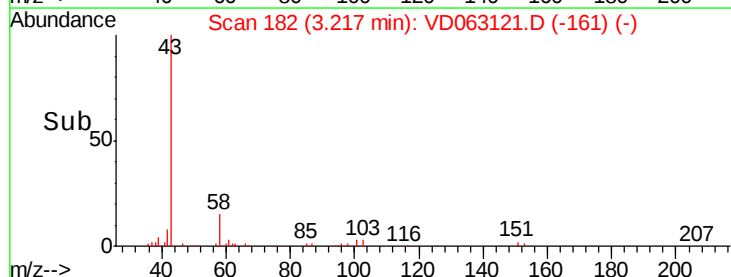
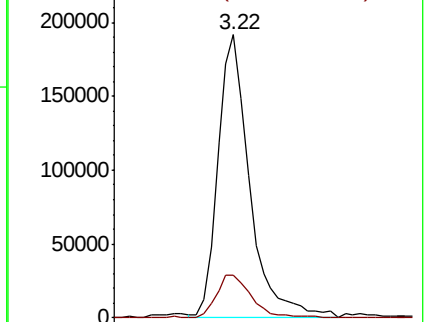
Ion	Ratio	Lower	Upper
43	100		
58	15.2	13.0	19.4

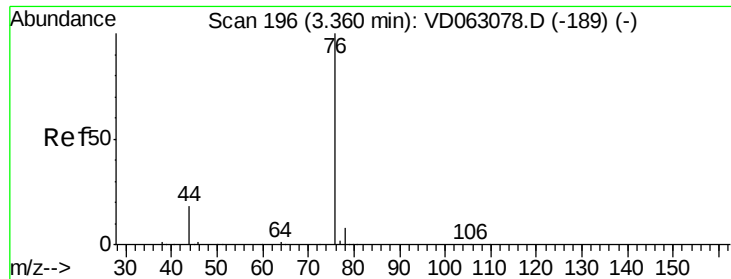


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

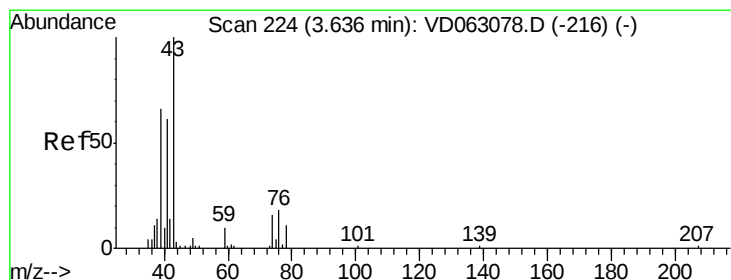
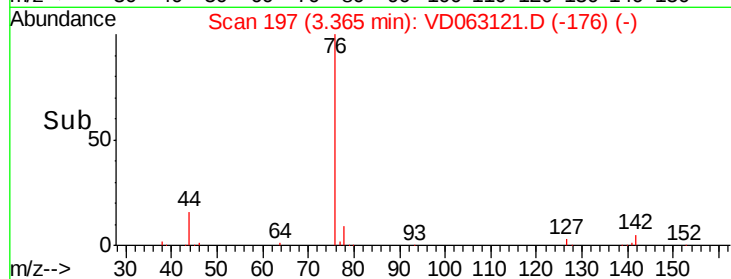
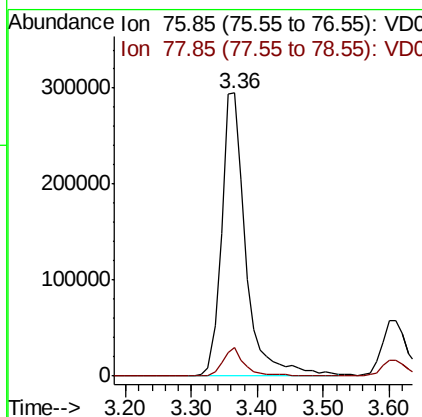
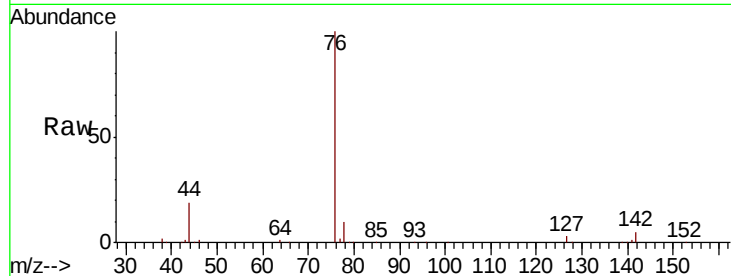




#17
Carbon Disulfide
Concen: 43.352 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

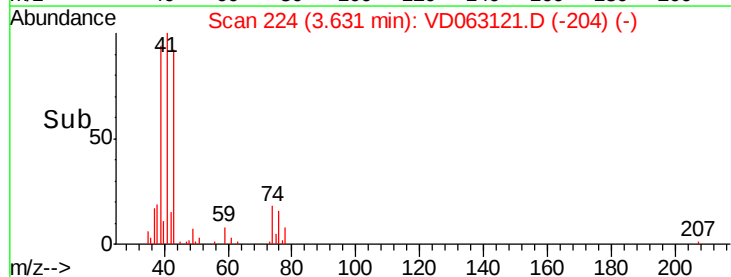
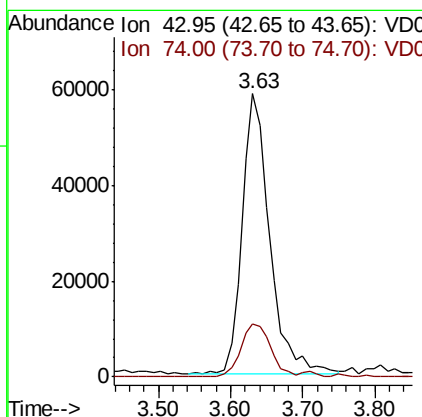
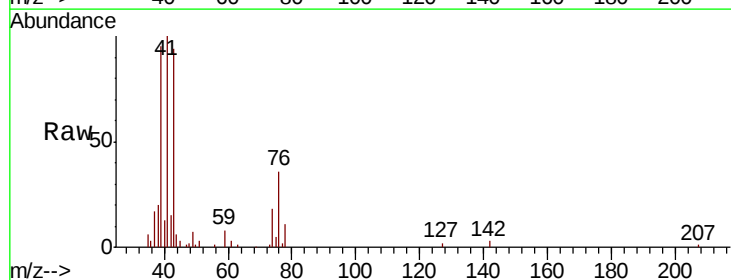
Instrument :
MSVOA_D
ClientSampleId :

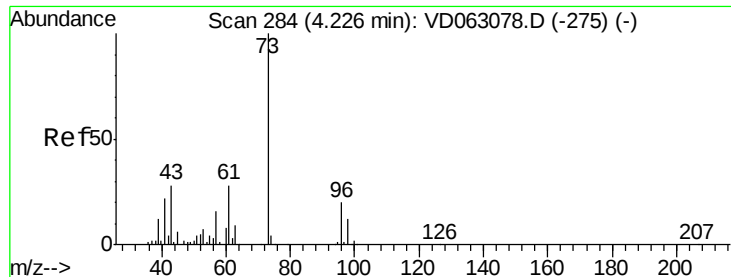
Tot Ion: 76 Resp: 756850
Ion Ratio Lower Upper
76 100
78 10.0 6.7 10.1



#18
Methyl Acetate
Concen: 56.160 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 43 Resp: 155673
Ion Ratio Lower Upper
43 100
74 18.8 12.5 18.7#



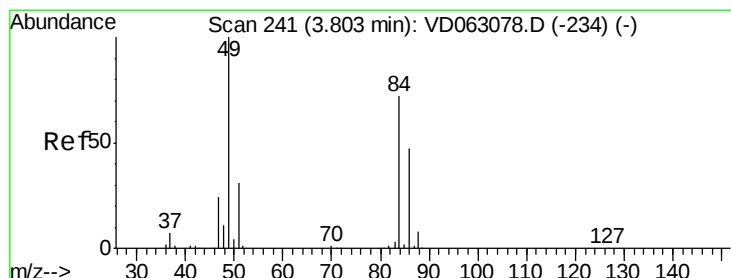
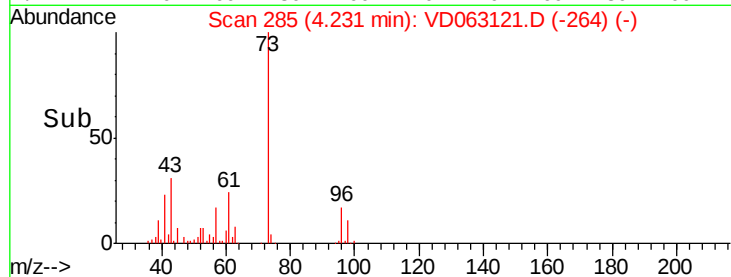
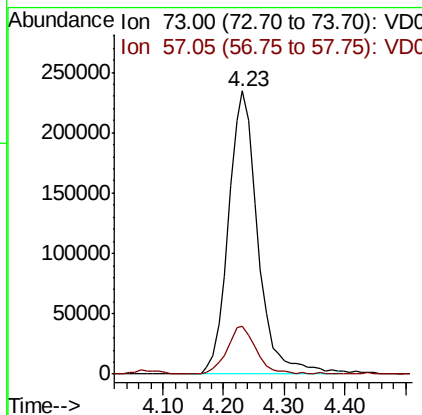
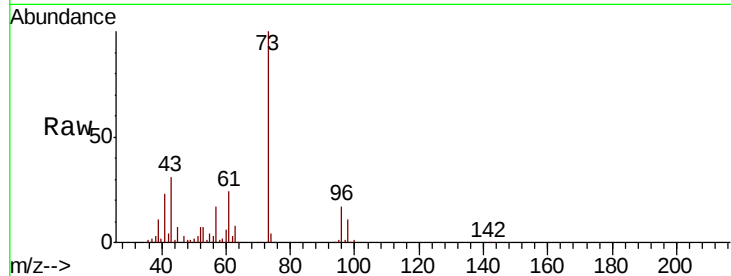


#19

Methyl tert-butyl Ether
 Concen: 51.216 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleID :

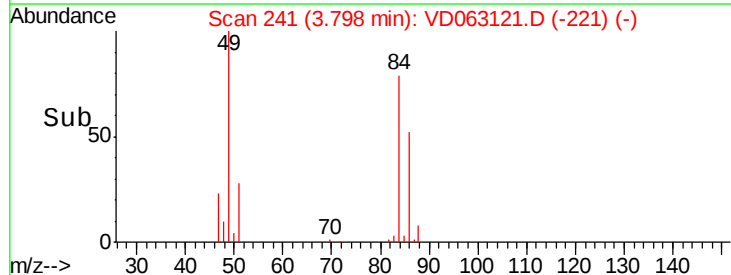
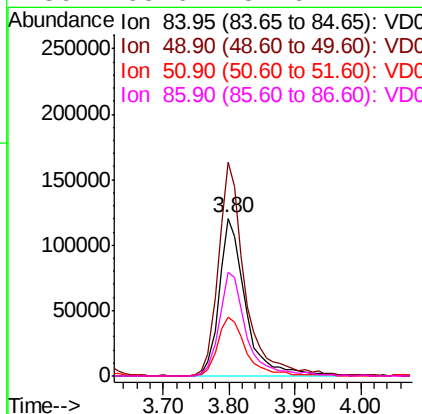
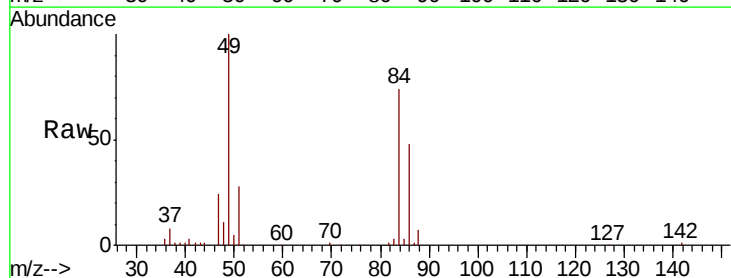
Tot Ion: 73 Resp: 788562
 Ion Ratio Lower Upper
 73 100
 57 16.7 13.1 19.7

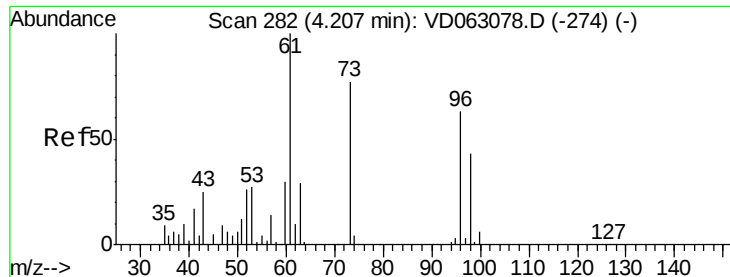


#20

Methylene Chloride
 Concen: 42.859 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion: 84 Resp: 335876
 Ion Ratio Lower Upper
 84 100
 49 135.6 110.5 165.7
 51 37.4 34.6 51.8
 86 65.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.066 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

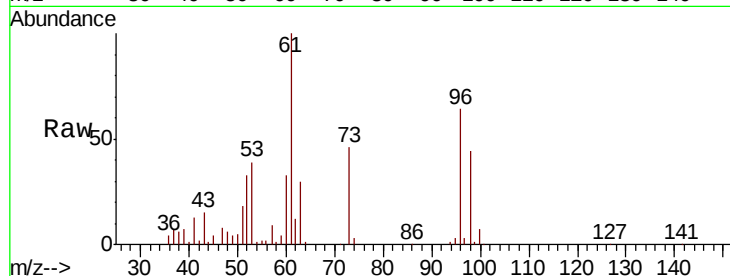
Tot Ion: 96 Resp: 338989

Ion Ratio Lower Upper

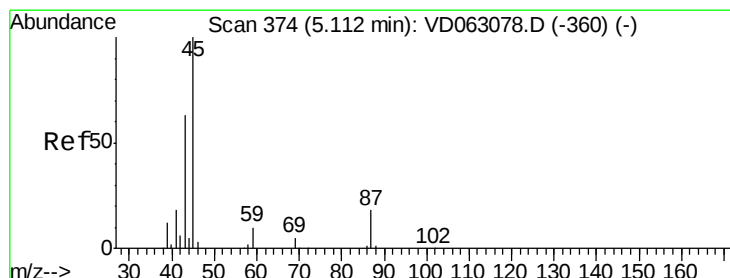
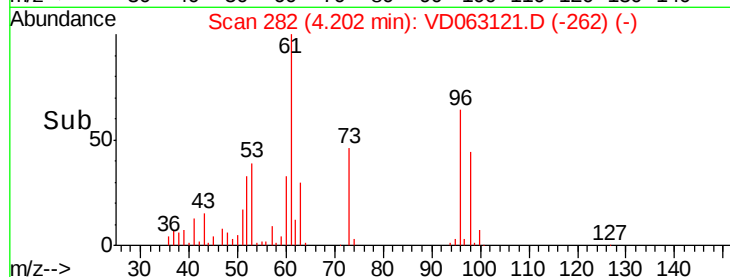
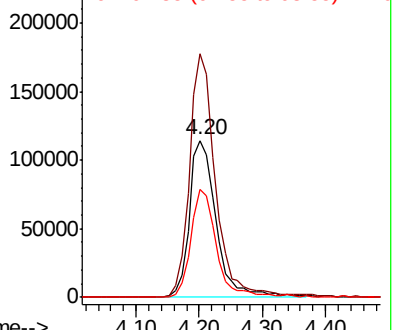
96 100

61 155.1 128.0 192.0

98 68.9 55.2 82.8



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: 53.182 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Tgt Ion: 45 Resp: 1108405

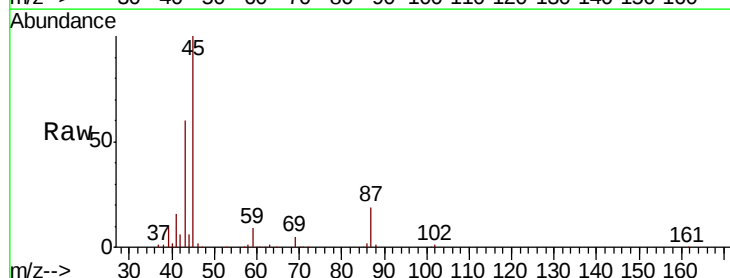
Ion Ratio Lower Upper

45 100

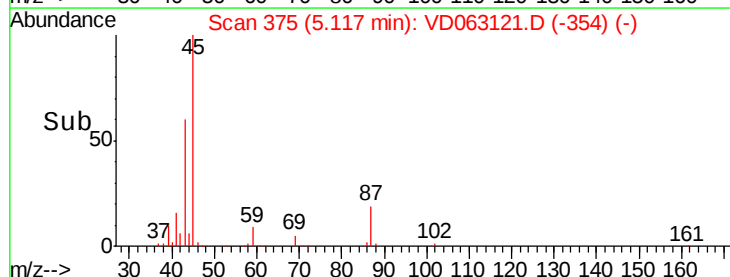
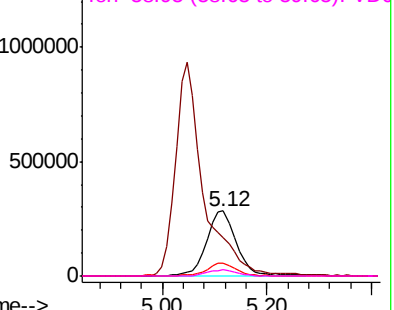
43 60.3 50.5 75.7

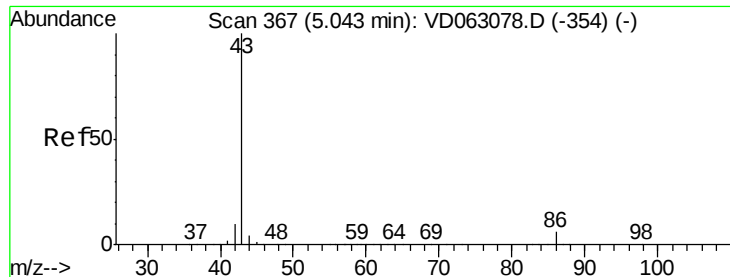
87 19.0 15.1 22.7

59 9.1 7.6 11.4



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: 284.273 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

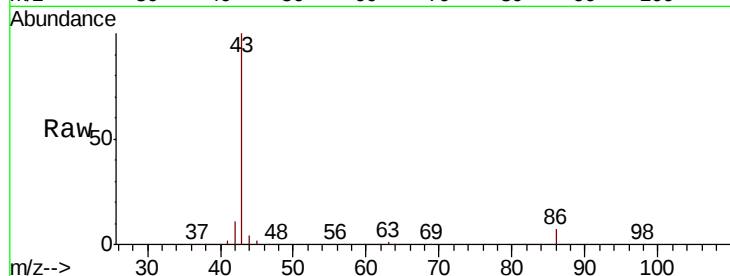
ClientSampleId :

Tot Ion: 43 Resp: 3456571

Ion Ratio Lower Upper

43 100

86 6.9 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

1000000

800000

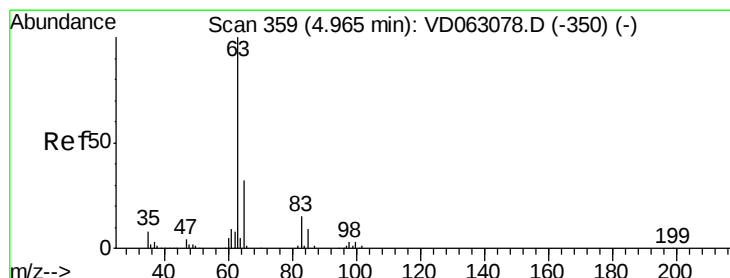
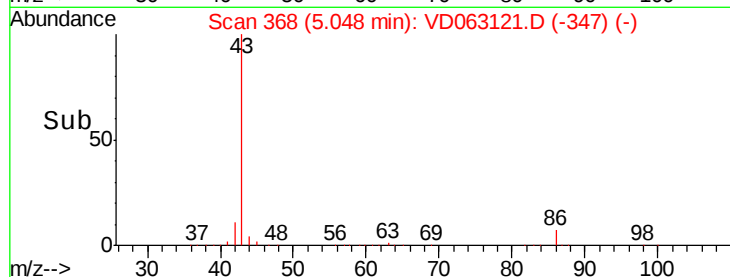
600000

400000

200000

0

Time--> 4.80 5.00 5.20



#24

1,1-Dichloroethane

Concen: 50.349 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

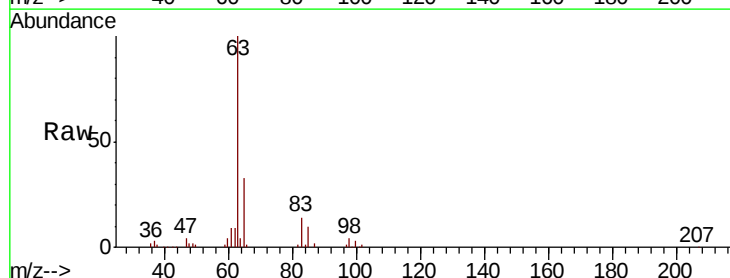
Tgt Ion: 63 Resp: 646391

Ion Ratio Lower Upper

63 100

98 4.2 1.7 5.1

100 2.6 1.5 4.5



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

250000

200000

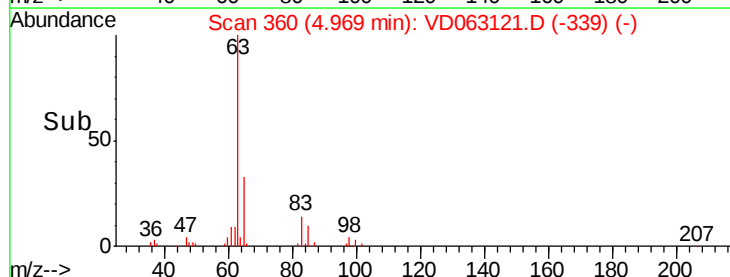
150000

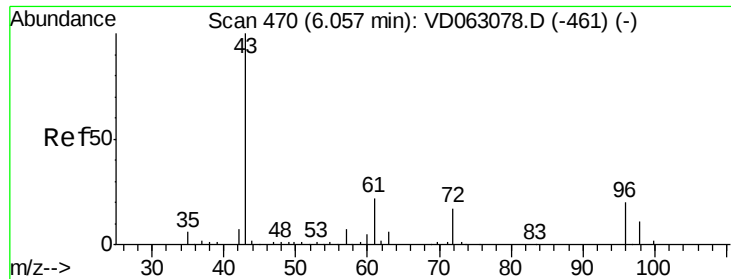
100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20

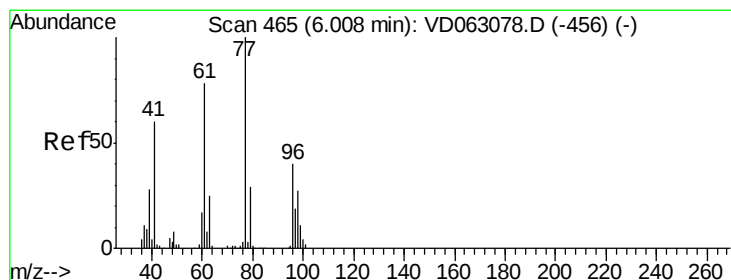
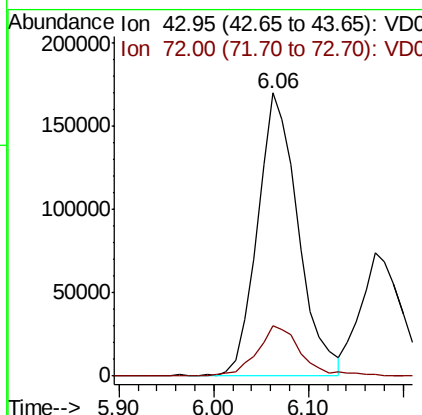
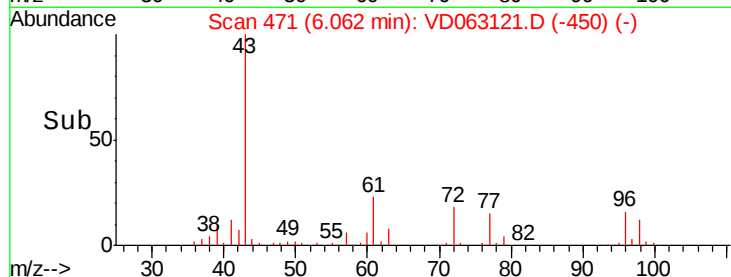
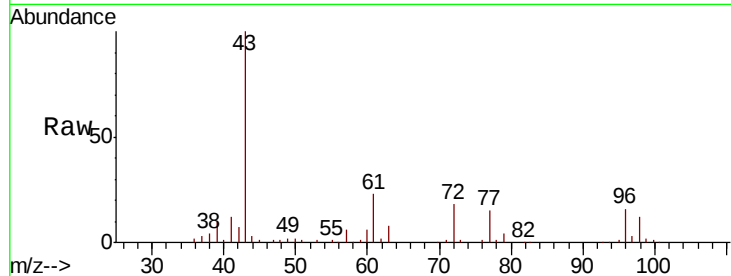




#25
2-Butanone
Concen: 256.472 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

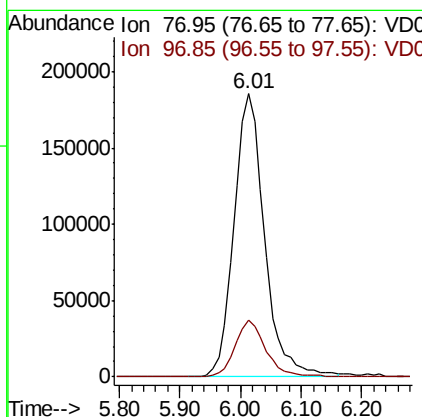
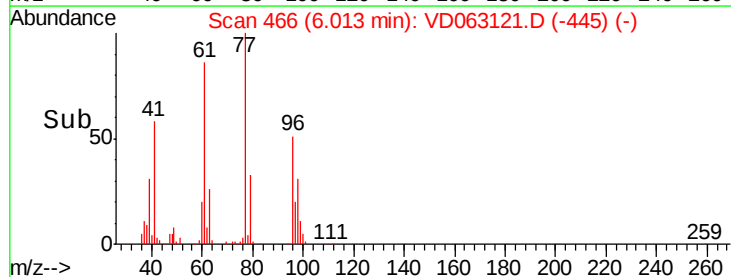
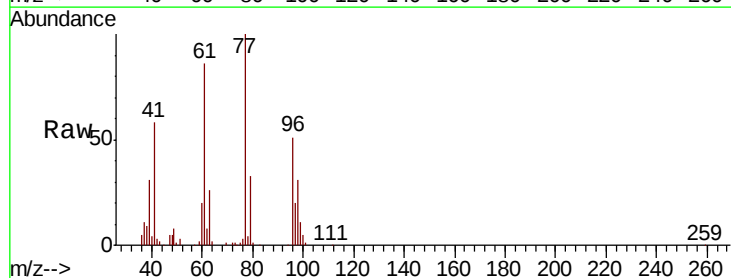
Instrument :
MSVOA_D
ClientSampleId :

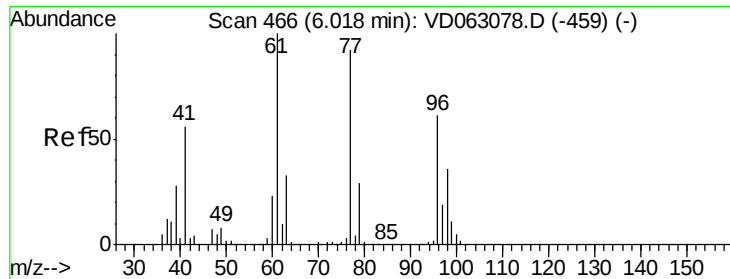
Tot Ion: 43 Resp: 508030
Ion Ratio Lower Upper
43 100
72 18.0 13.4 20.0



#26
2,2-Dichloropropane
Concen: 45.836 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 77 Resp: 651258
Ion Ratio Lower Upper
77 100
97 20.1 9.3 27.9



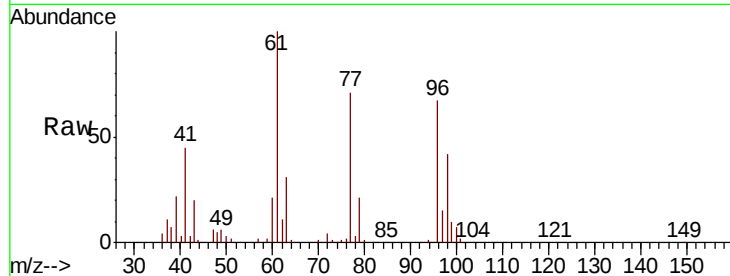


#27

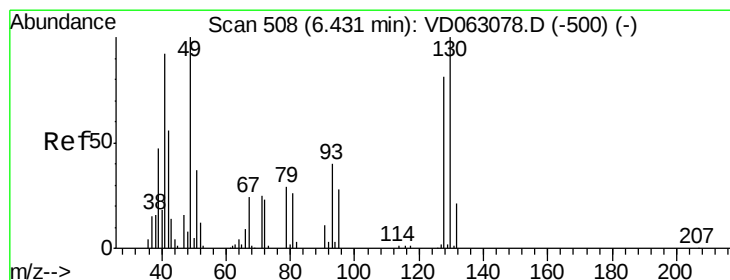
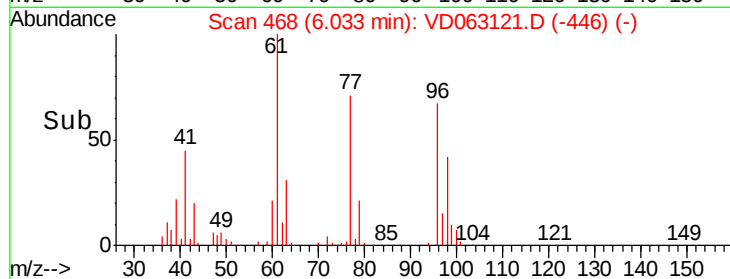
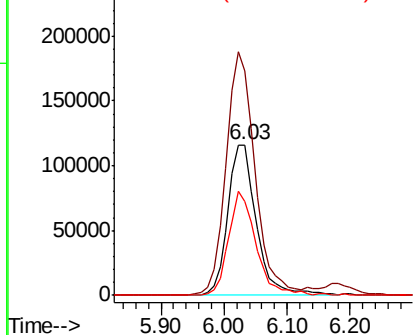
cis-1,2-Dichloroethene
Concen: 47.151 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 363168
Ion Ratio Lower Upper
96 100
61 148.9 0.0 329.6
98 62.1 0.0 118.4



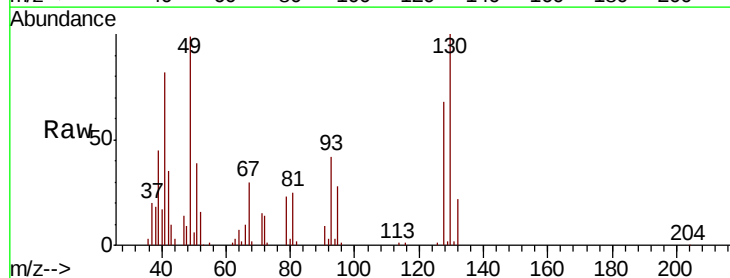
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



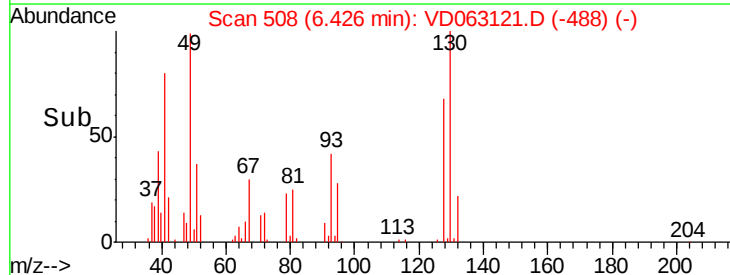
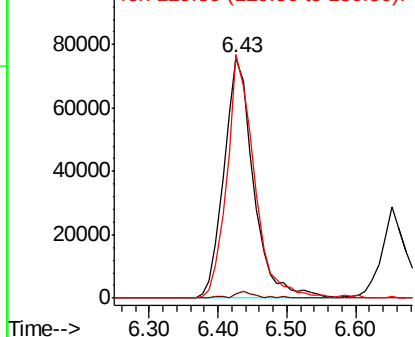
#28

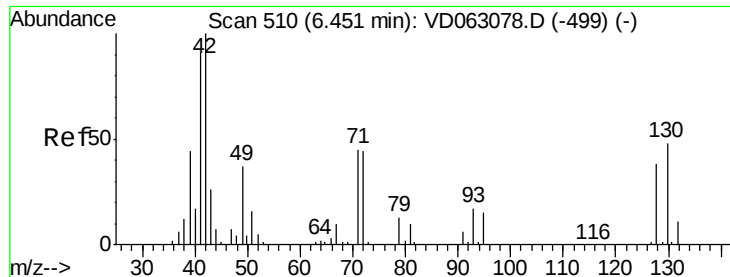
Bromochloromethane
Concen: 48.214 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 49 Resp: 224561
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.6
130 101.3 80.3 120.5



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

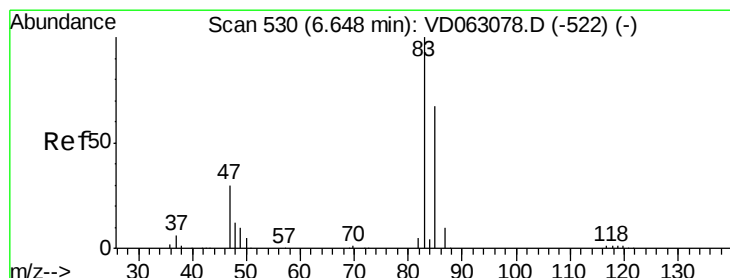
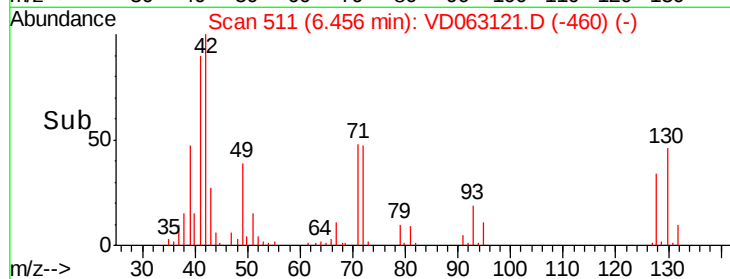
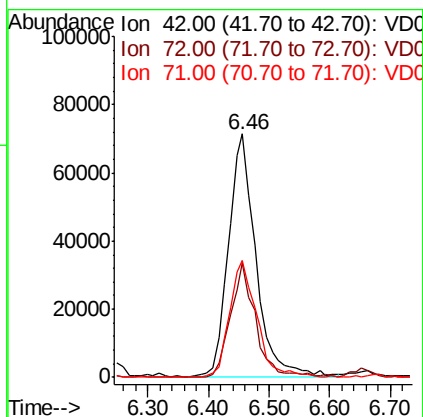
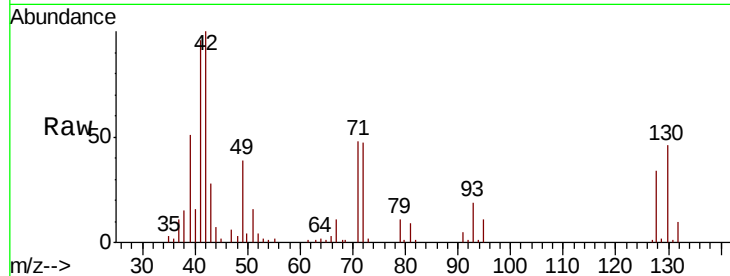




#29
Tetrahydrofuran
Concen: 252.212 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

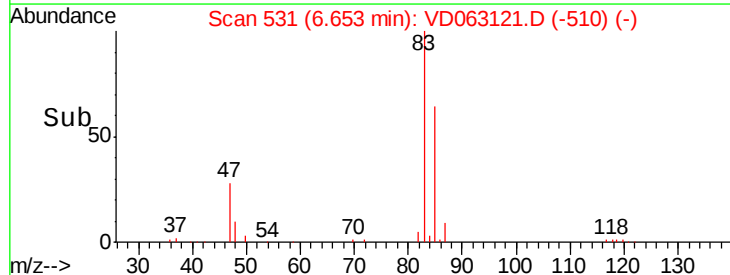
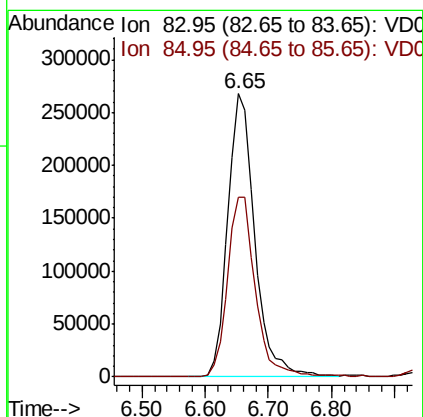
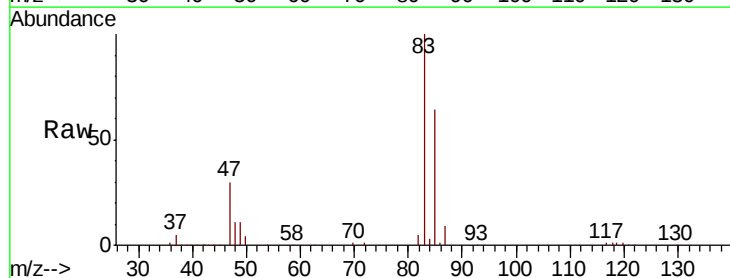
Instrument :
MSVOA_D
ClientSampled :

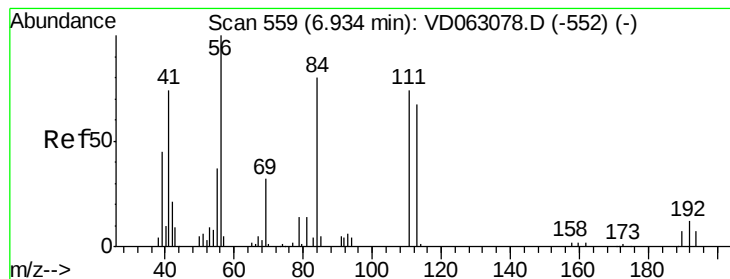
Tot Ion: 42 Resp: 226468
Ion Ratio Lower Upper
42 100
72 42.8 33.7 50.5
71 47.3 34.2 51.2



#30
Chloroform
Concen: 50.080 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 83 Resp: 791820
Ion Ratio Lower Upper
83 100
85 63.7 53.8 80.8





#31

Cyclohexane

Concen: 49.150 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampled :

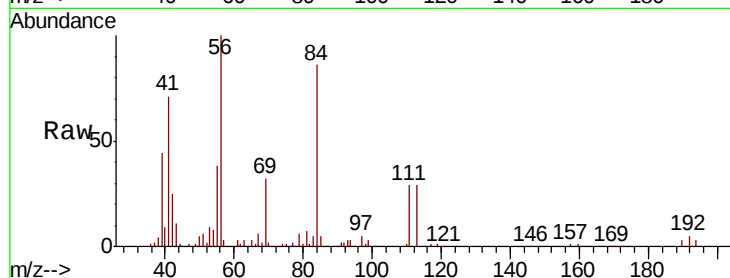
Tot Ion: 56 Resp: 401852

Ion Ratio Lower Upper

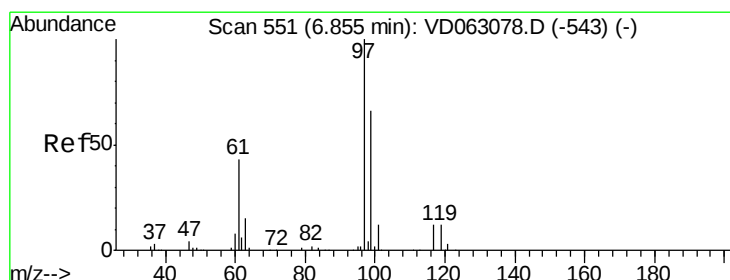
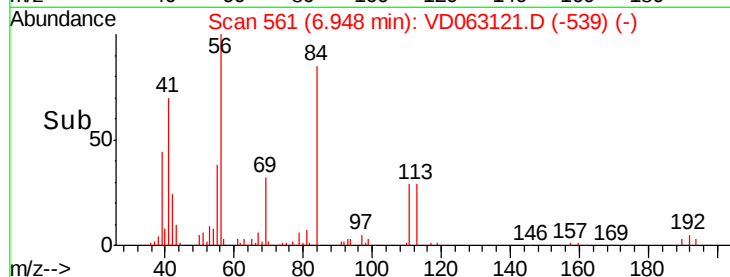
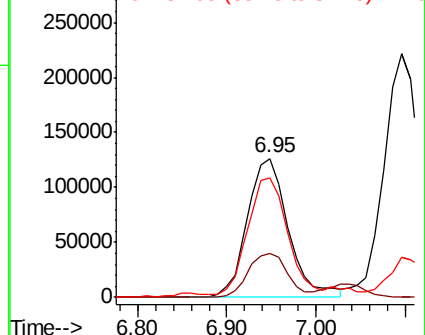
56 100

69 32.1 25.3 37.9

84 85.8 64.2 96.4



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



#32

1,1,1-Trichloroethane

Concen: 48.310 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

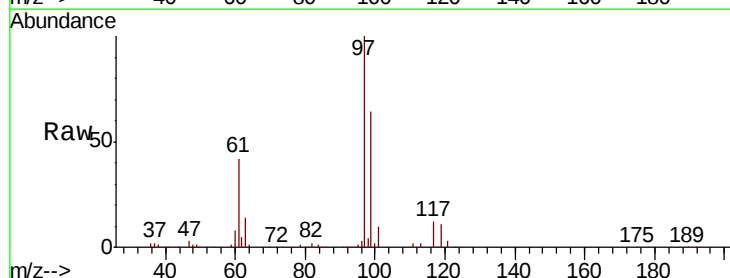
Tgt Ion: 97 Resp: 753212

Ion Ratio Lower Upper

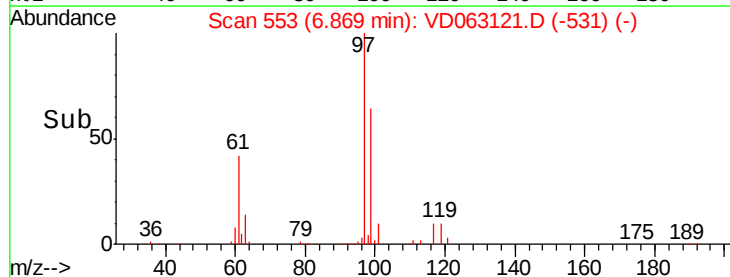
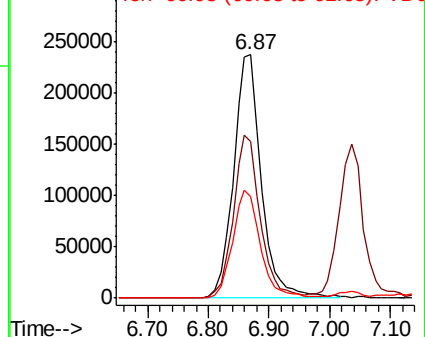
97 100

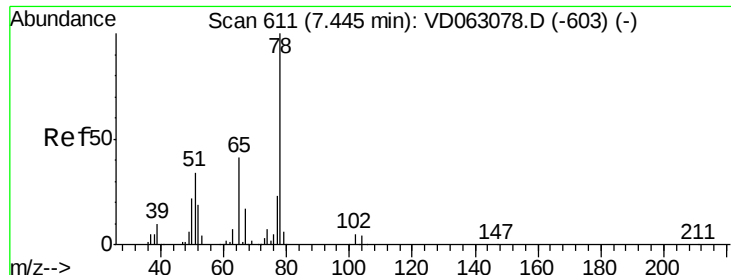
99 64.2 52.9 79.3

61 41.6 34.4 51.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 47.235 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

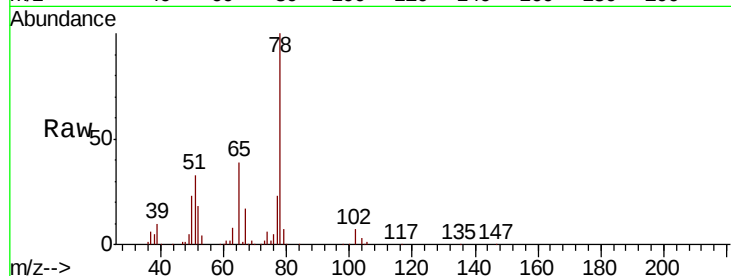
ClientSampleId :

Tot Ion: 65 Resp: 405671

Ion Ratio Lower Upper

65 100

67 43.8 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

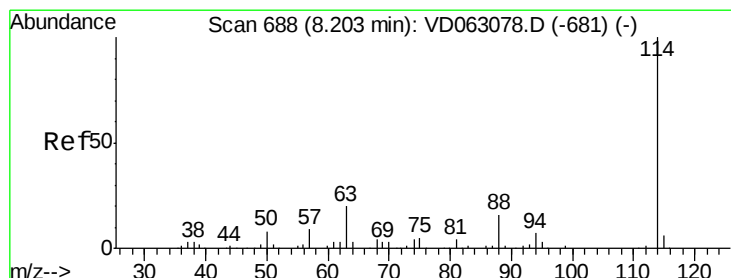
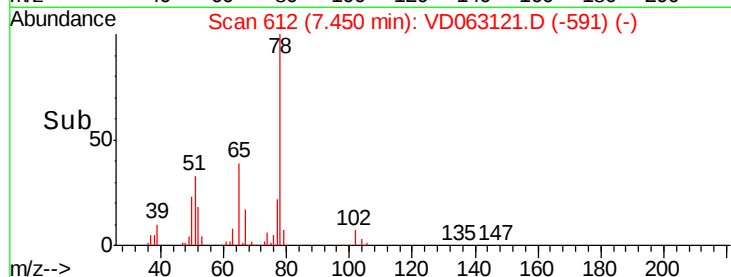
100000

50000

0

7.40 7.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

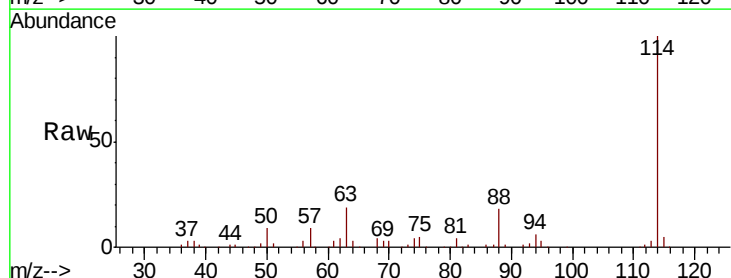
Tgt Ion: 114 Resp: 916375

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.6

88 17.6 0.0 32.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

400000

300000

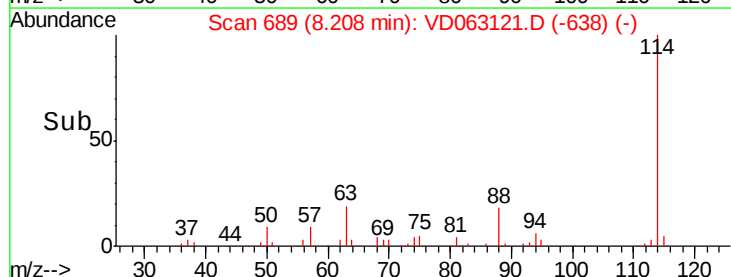
200000

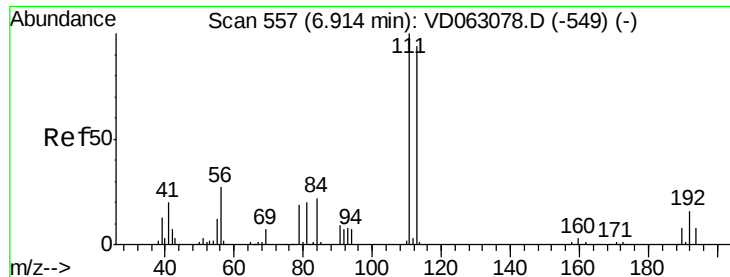
100000

0

8.10 8.20 8.30 8.40

Time-->

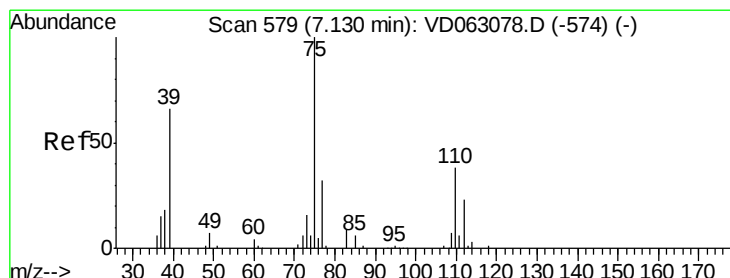
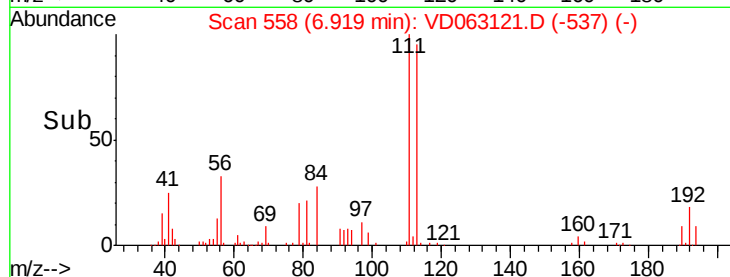
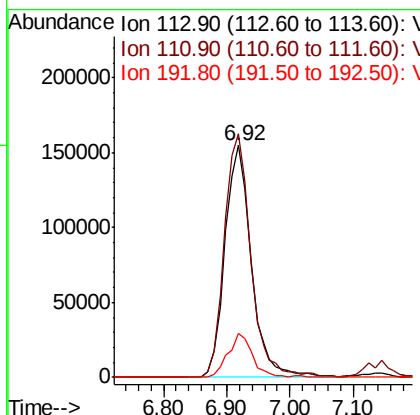
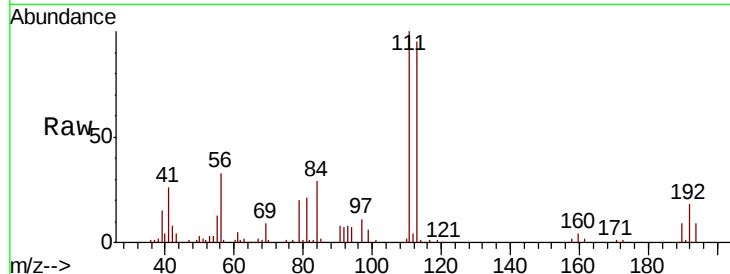




#35
Dibromofluoromethane
Concen: 49.409 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

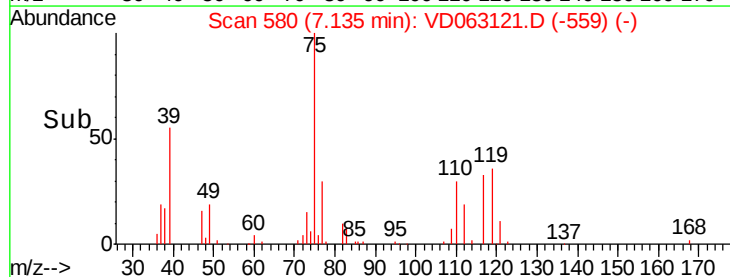
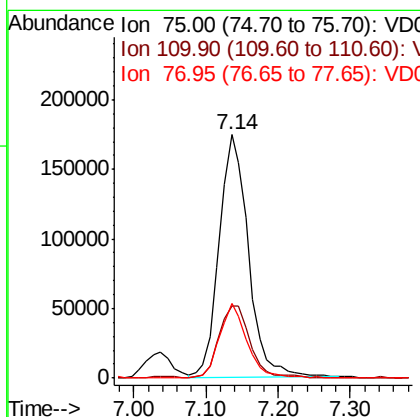
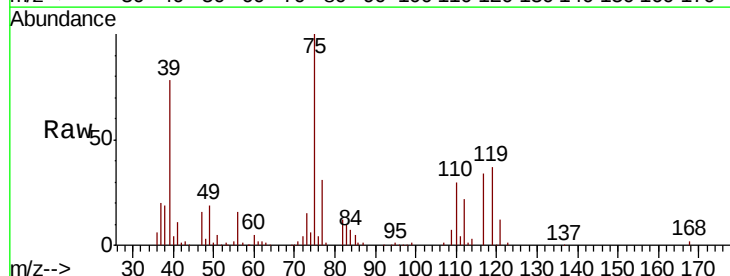
Instrument :
MSVOA_D
ClientSampleId :

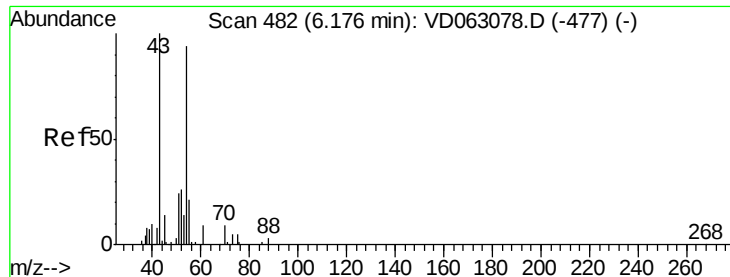
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	84.8	127.2
192	19.1	13.4	20.0



#36
1,1-Dichloropropene
Concen: 47.491 ug/l
RT: 7.14 min Scan# 580
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.8	18.9	56.5
77	30.7	25.2	37.8

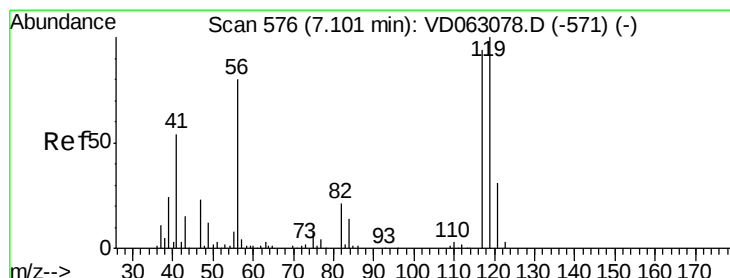
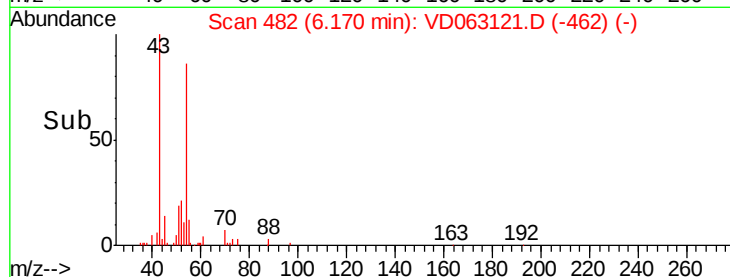
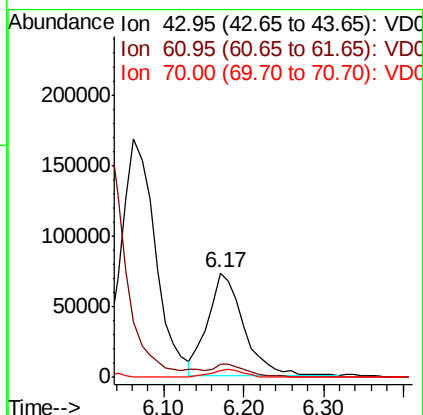
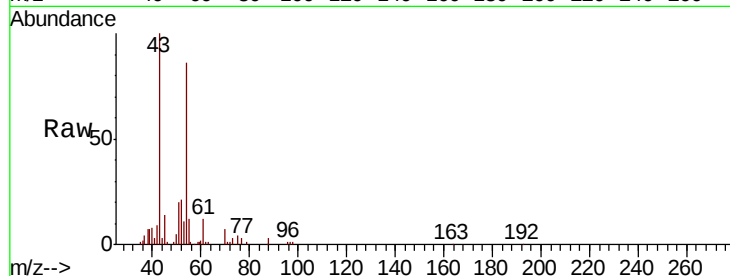




#37
Ethyl Acetate
Concen: 52.140 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

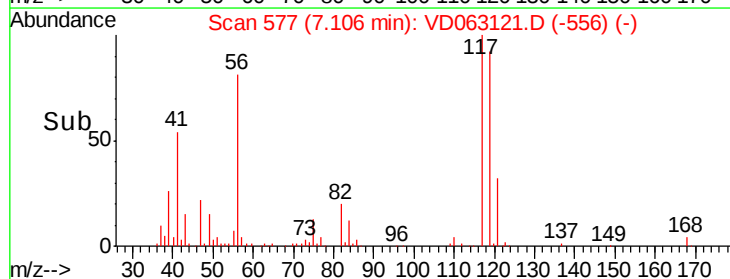
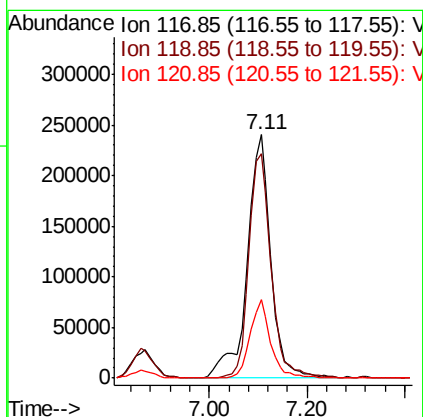
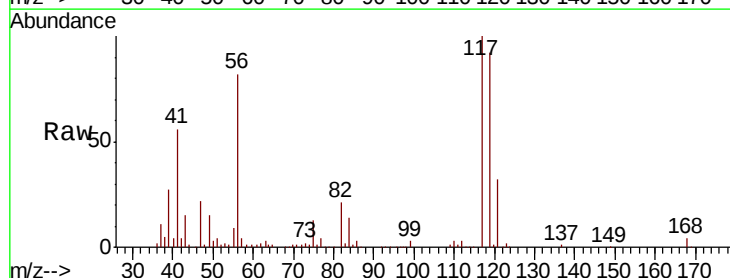
Instrument :
MSVOA_D
ClientSampled :

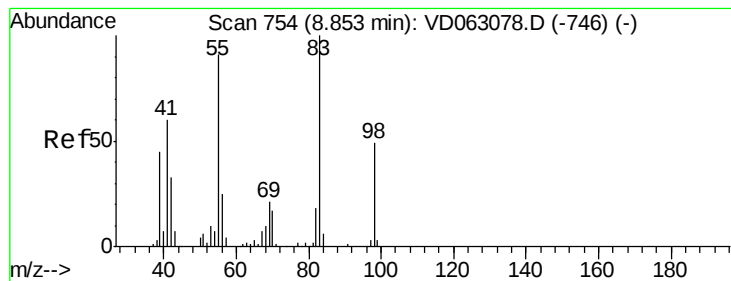
Tot Ion: 43 Resp: 229982
Ion Ratio Lower Upper
43 100
61 12.3 10.6 16.0
70 7.0 6.6 9.8



#38
Carbon Tetrachloride
Concen: 51.336 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 117 Resp: 803959
Ion Ratio Lower Upper
117 100
119 92.0 80.0 120.0
121 32.1 25.0 37.4





#39

Methvlcvclohexane

Concen: 44.992 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :

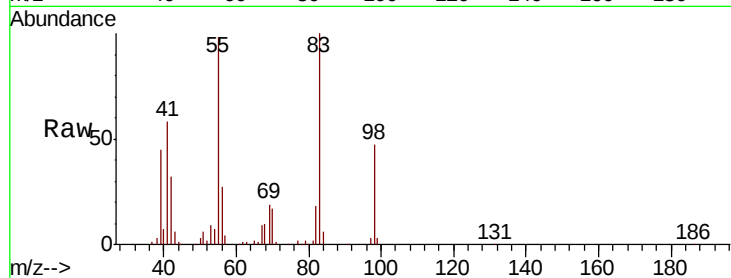
Tot Ion: 83 Resp: 400889

Ion Ratio Lower Upper

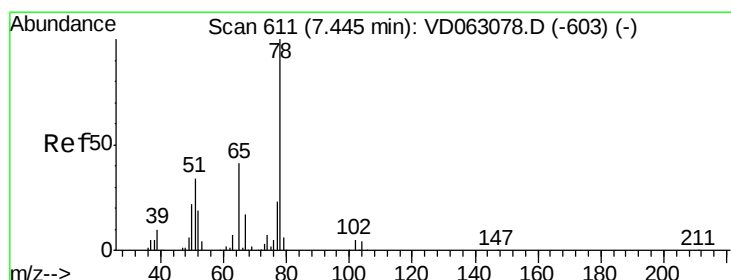
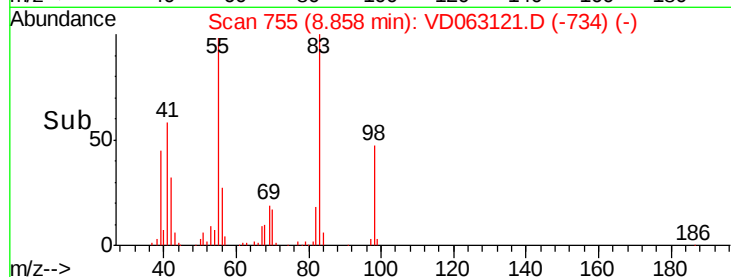
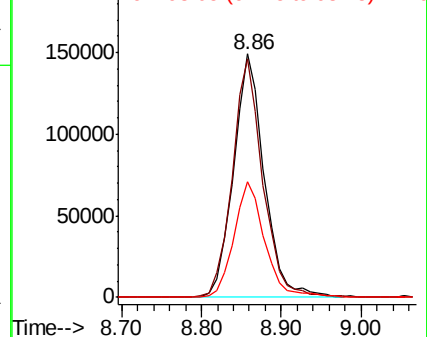
83 100

55 97.7 73.0 109.4

98 47.4 39.4 59.0



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



#40

Benzene

Concen: 49.255 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD063121.D

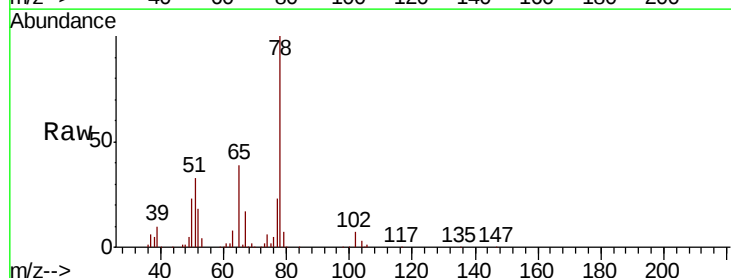
Acq: 17 Jul 2019 10:15

Tgt Ion: 78 Resp: 1063195

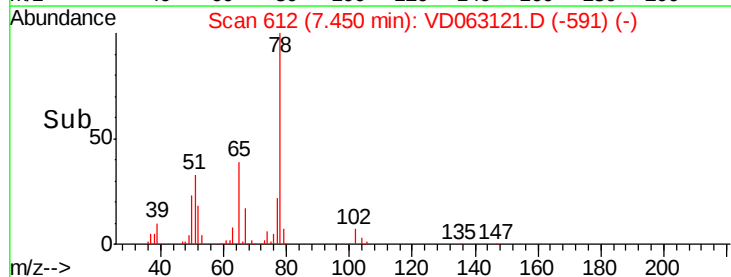
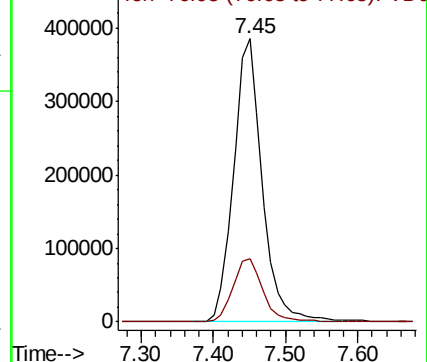
Ion Ratio Lower Upper

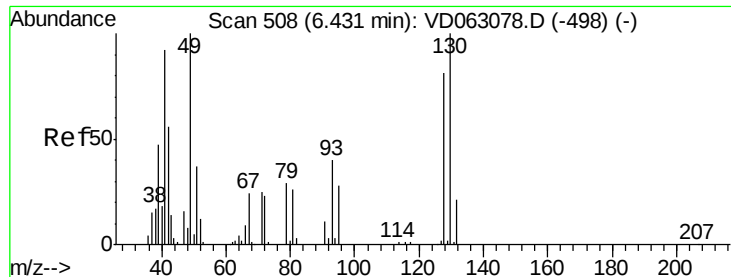
78 100

77 22.5 18.1 27.1



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





#41

Methacrylonitrile

Concen: 50.776 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 303639

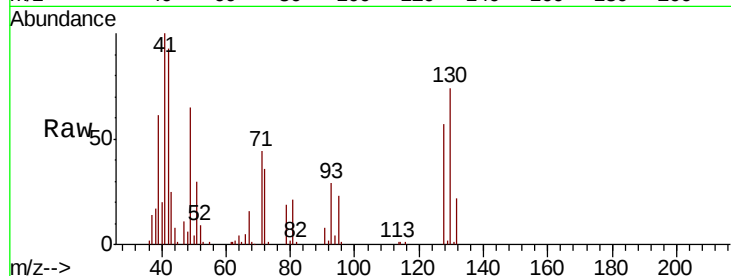
Ion Ratio Lower Upper

41 100

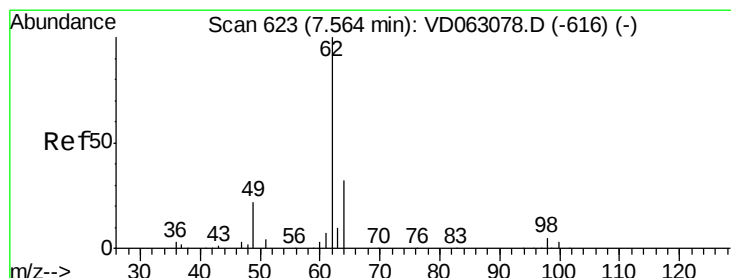
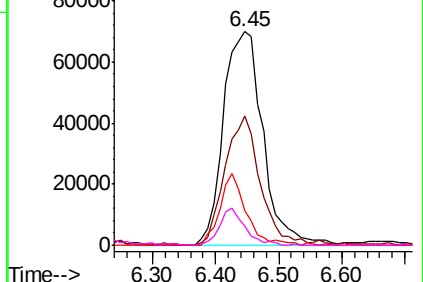
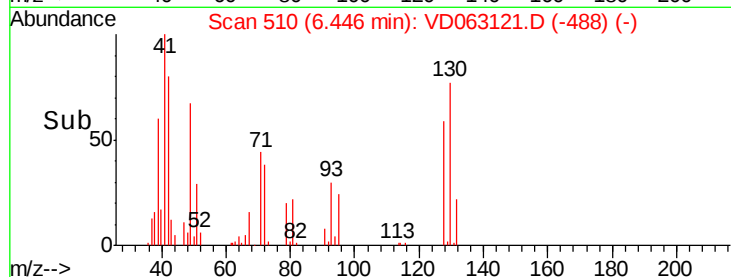
39 60.7 41.0 61.6

67 15.9 21.3 31.9#

52 9.1 10.5 15.7#



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: 48.226 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063121.D

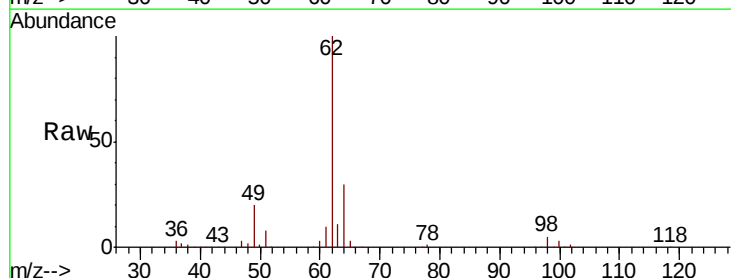
Acq: 17 Jul 2019 10:15

Tgt Ion: 62 Resp: 554602

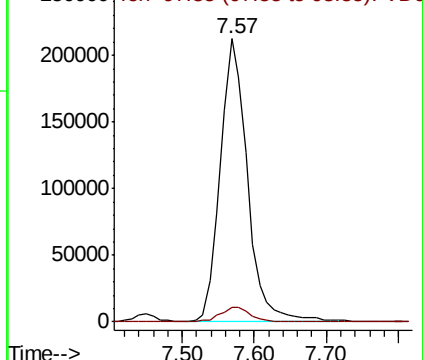
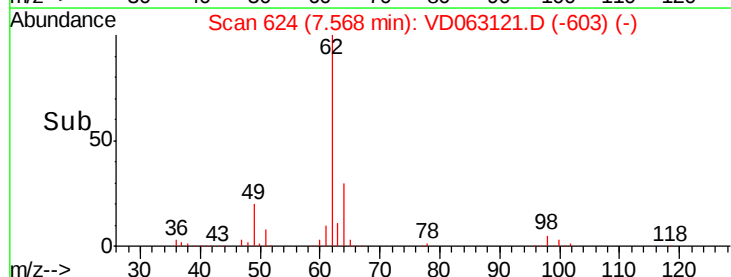
Ion Ratio Lower Upper

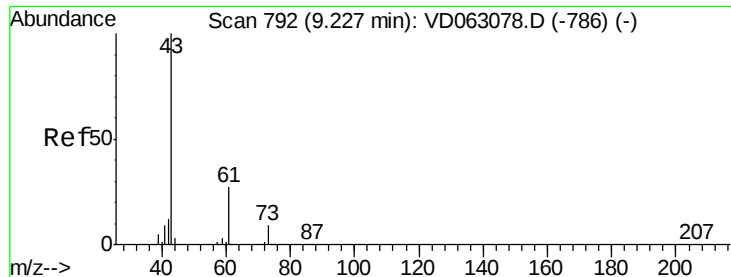
62 100

98 5.4 0.0 9.6



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





#43

Isopropyl Acetate

Concen: 50.667 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

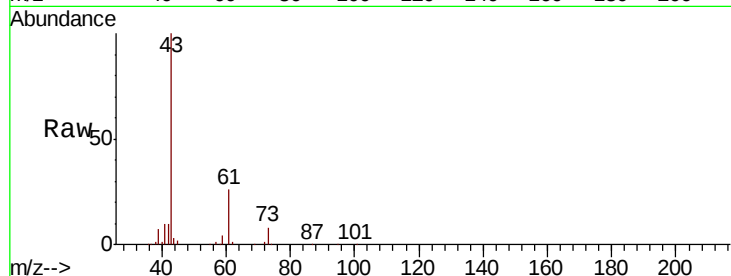
Tot Ion: 43 Resp: 320328

Ion Ratio Lower Upper

43 100

61 26.0 21.7 32.5

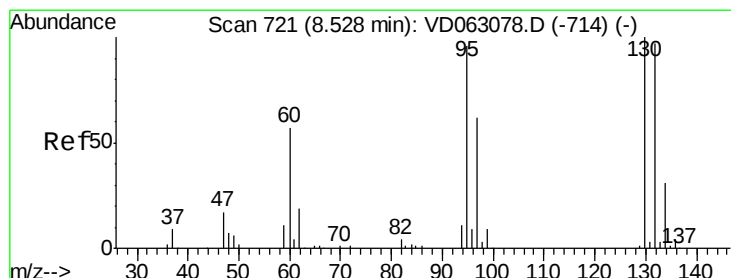
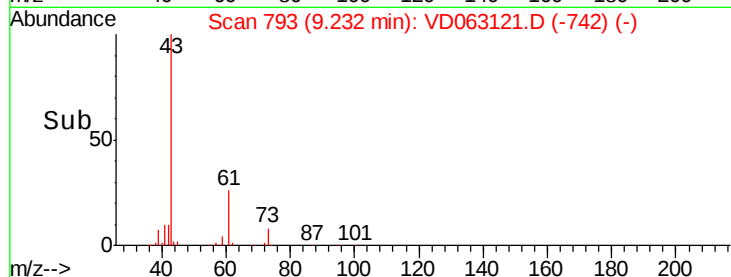
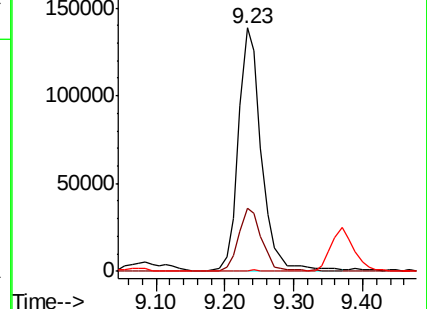
87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.488 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063121.D

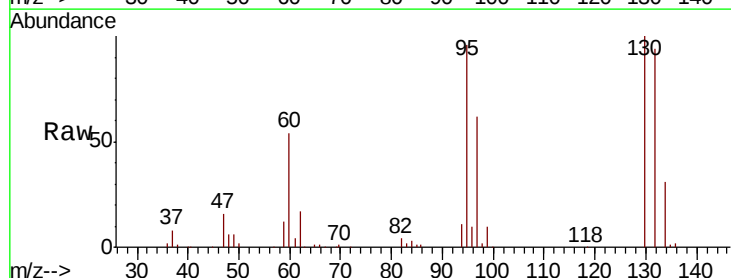
Acq: 17 Jul 2019 10:15

Tgt Ion:130 Resp: 421177

Ion Ratio Lower Upper

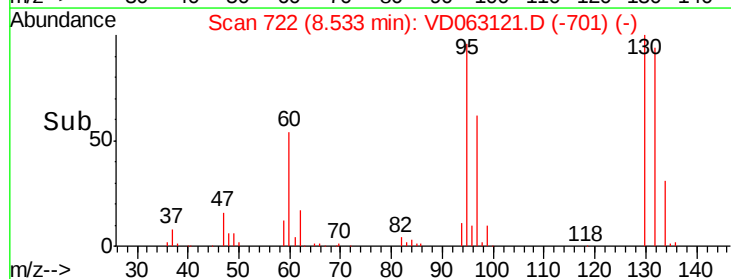
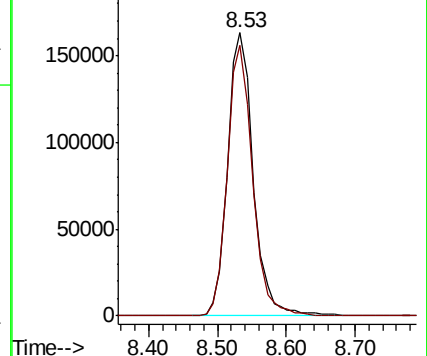
130 100

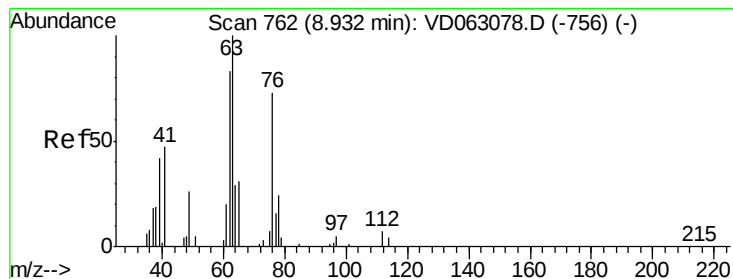
95 95.6 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.855 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

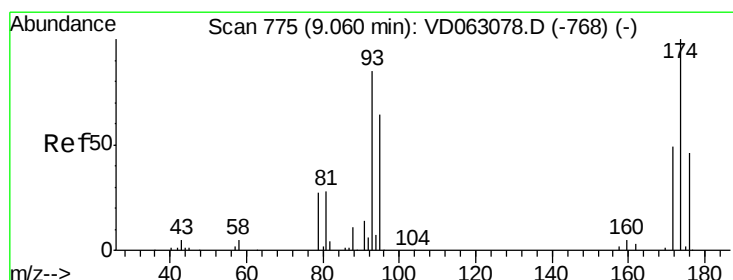
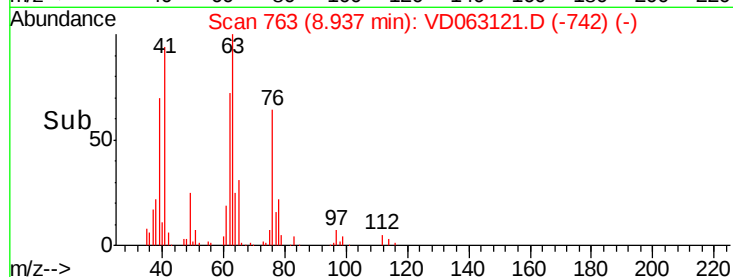
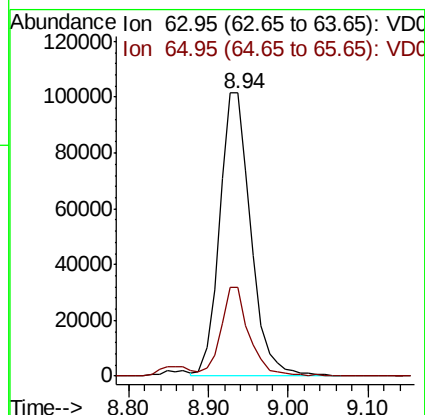
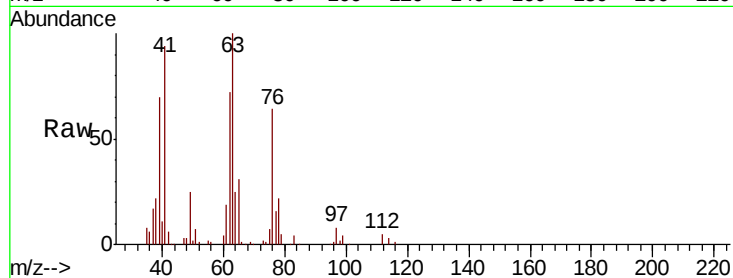
ClientSampled :

Tot Ion: 63 Resp: 279071

Ion Ratio Lower Upper

63 100

65 31.5 26.3 39.5



#46

Dibromomethane

Concen: 50.214 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

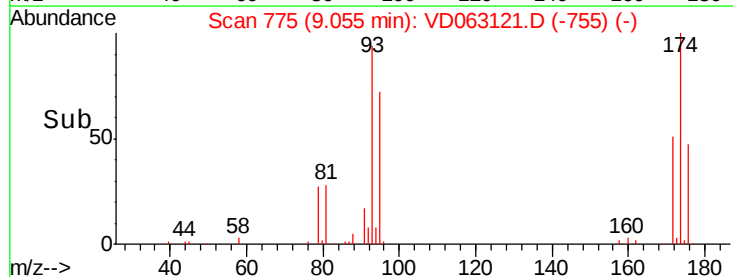
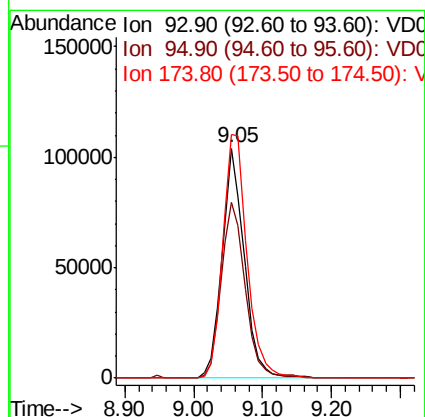
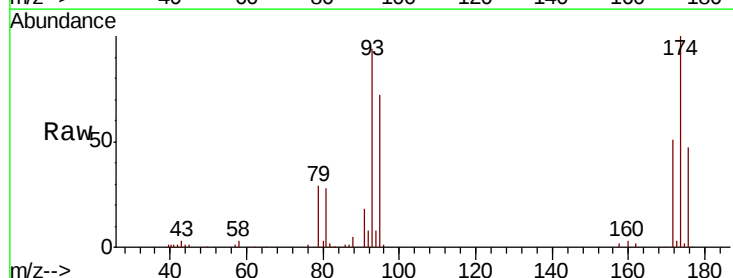
Tgt Ion: 93 Resp: 232222

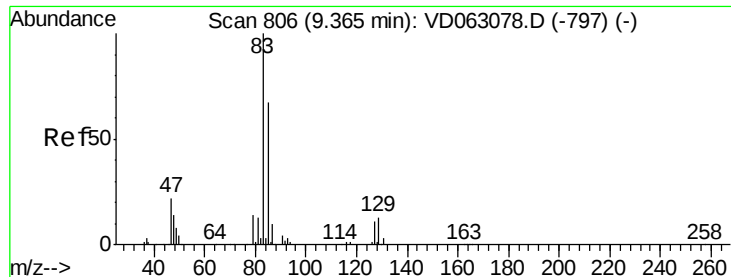
Ion Ratio Lower Upper

93 100

95 76.4 59.7 89.5

174 105.9 93.9 140.9





#47

Bromodichloromethane

Concen: 50.244 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

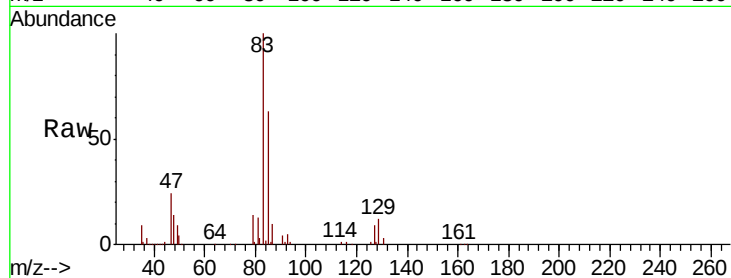
Tot Ion: 83 Resp: 606353

Ion Ratio Lower Upper

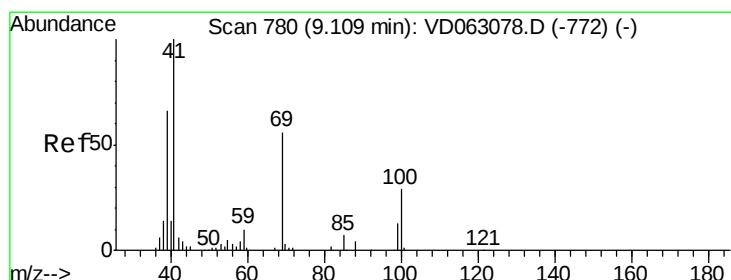
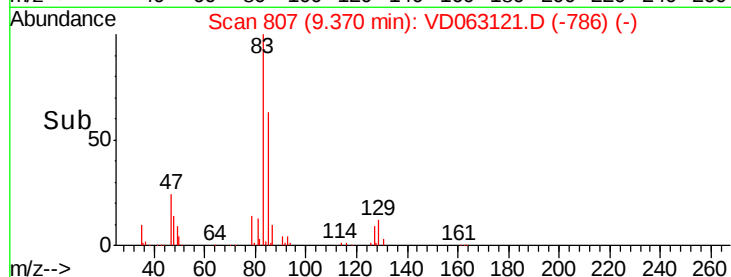
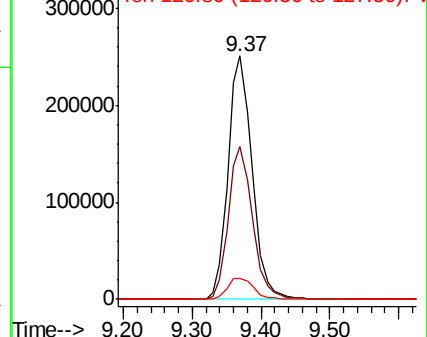
83 100

85 62.7 53.7 80.5

127 8.8 9.0 13.6#



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



#48

Methyl methacrylate

Concen: 49.495 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

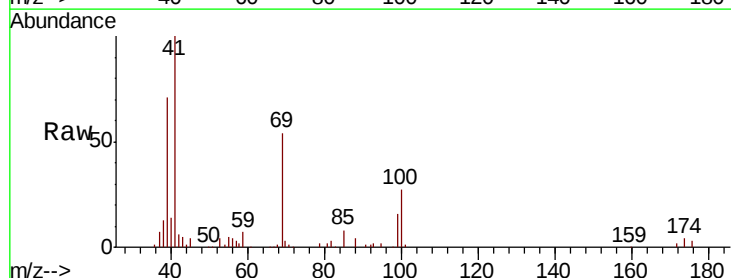
Tgt Ion: 41 Resp: 205495

Ion Ratio Lower Upper

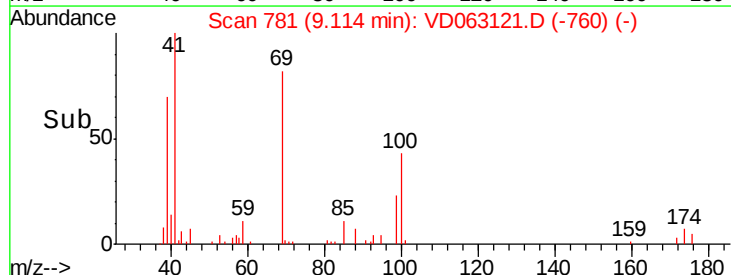
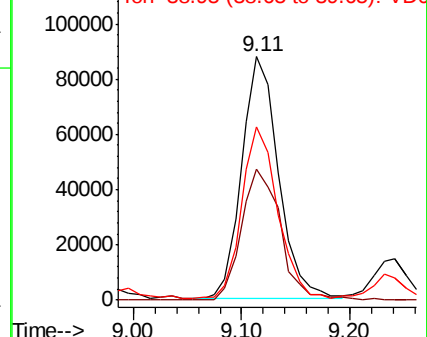
41 100

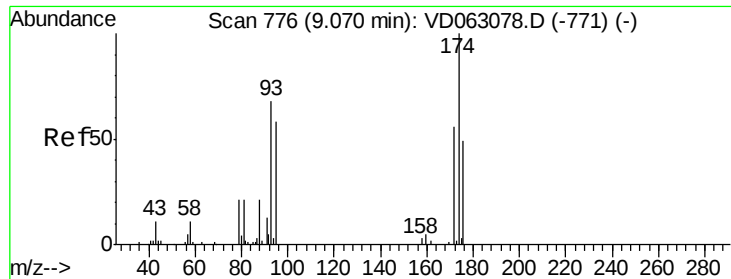
69 53.7 44.3 66.5

39 71.2 52.6 78.8



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

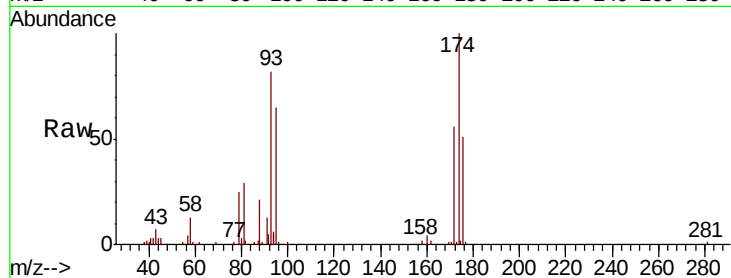




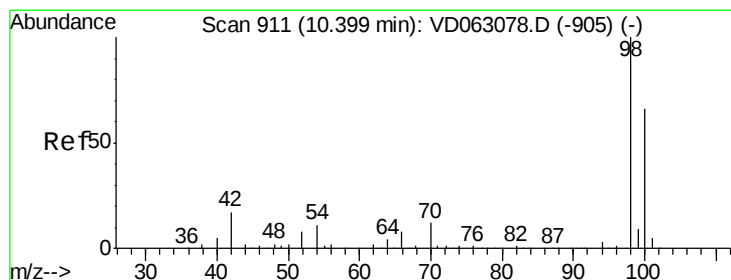
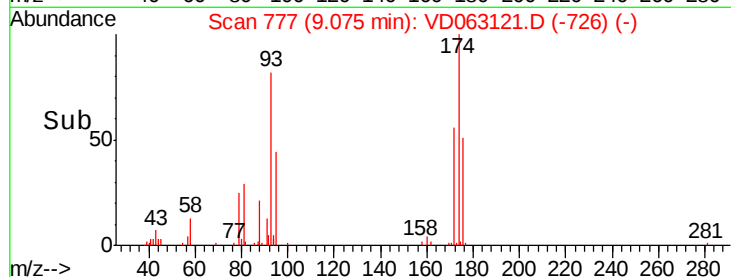
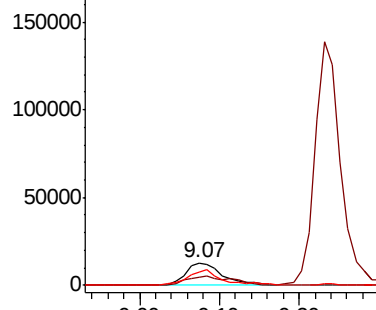
#49
1,4-Dioxane
Concen: 1171.615 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 41951
Ion Ratio Lower Upper
88 100
43 34.2 40.2 60.4#
58 61.3 41.6 62.4

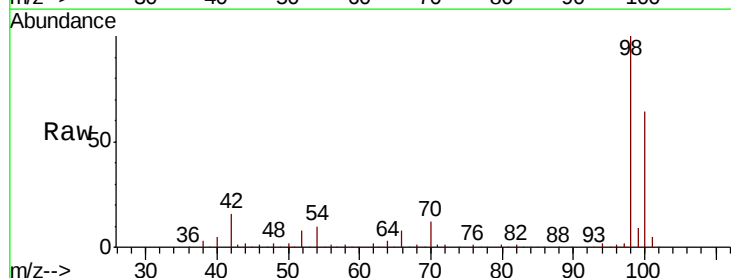


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

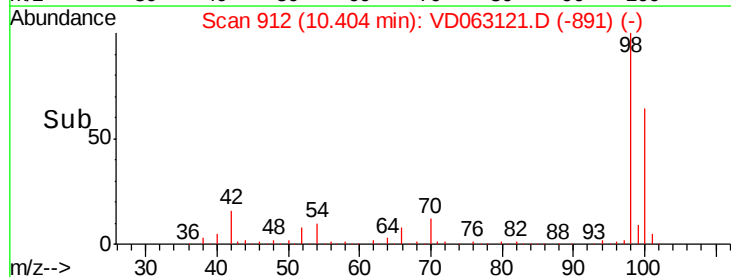
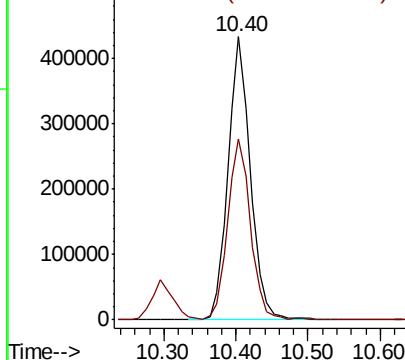


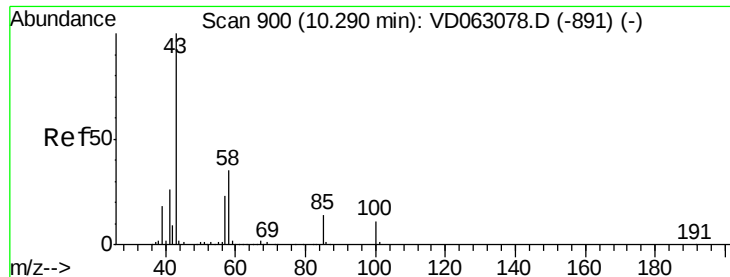
#50
Toluene-d8
Concen: 47.491 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 98 Resp: 931093
Ion Ratio Lower Upper
98 100
100 64.1 53.5 80.3



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: 278.466 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

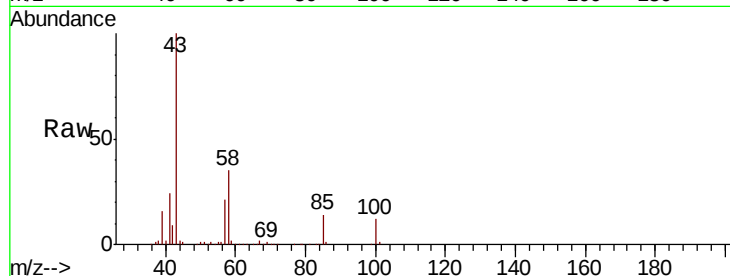
ClientSampled :

Tot Ion: 43 Resp: 1167688

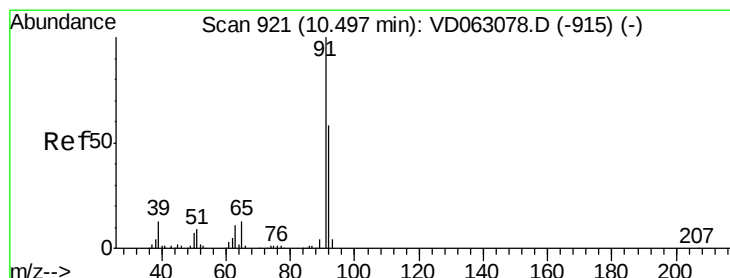
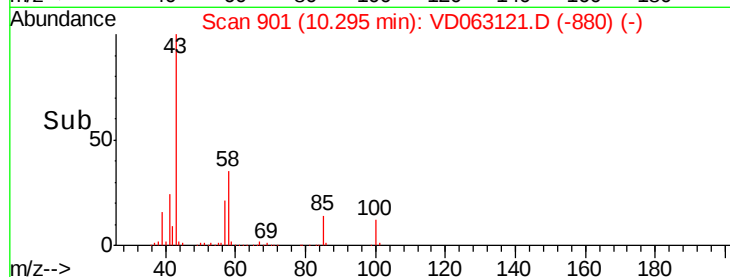
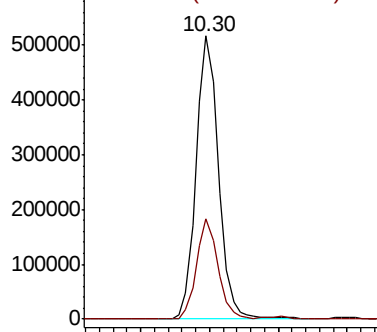
Ion Ratio Lower Upper

43 100

58 35.4 27.8 41.6



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



#52

Toluene

Concen: 49.554 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063121.D

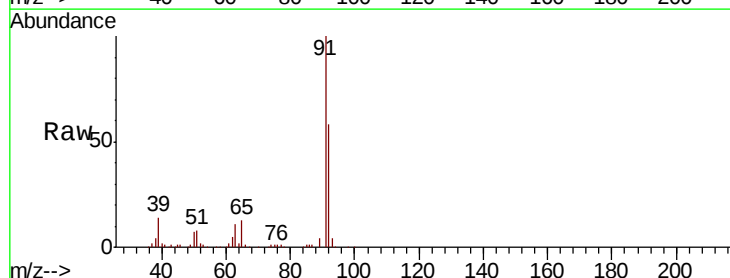
Acq: 17 Jul 2019 10:15

Tgt Ion: 92 Resp: 714285

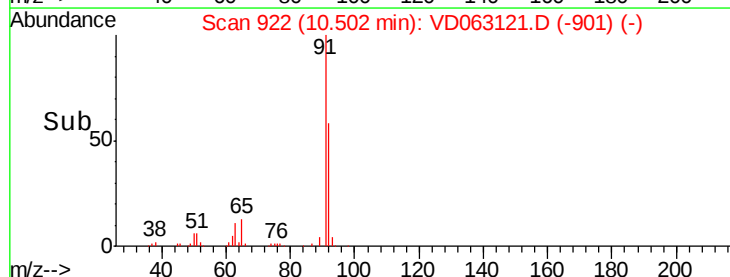
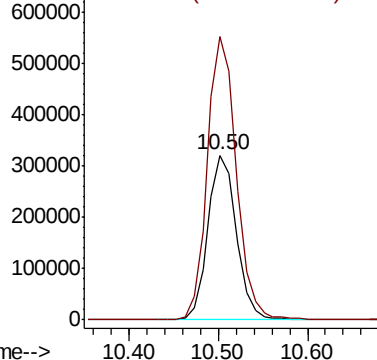
Ion Ratio Lower Upper

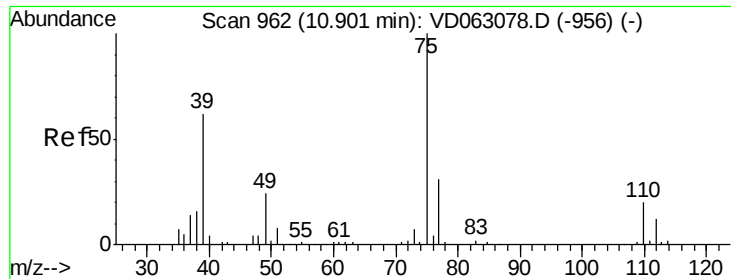
92 100

91 171.9 137.9 206.9



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: 48.456 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

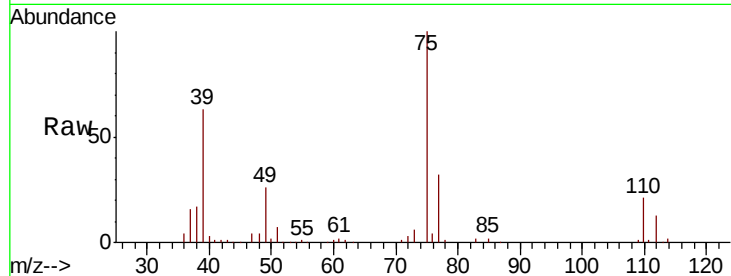
ClientSampleId :

Tot Ion: 75 Resp: 501005

Ion Ratio Lower Upper

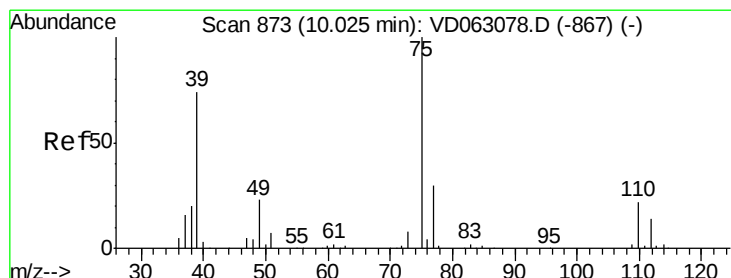
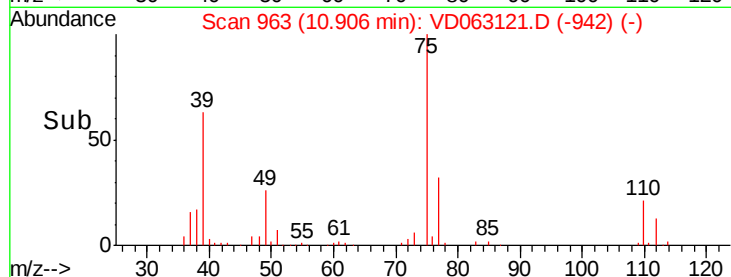
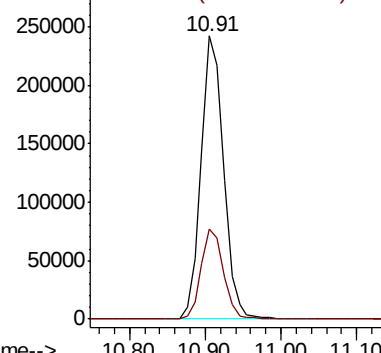
75 100

77 32.0 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.540 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

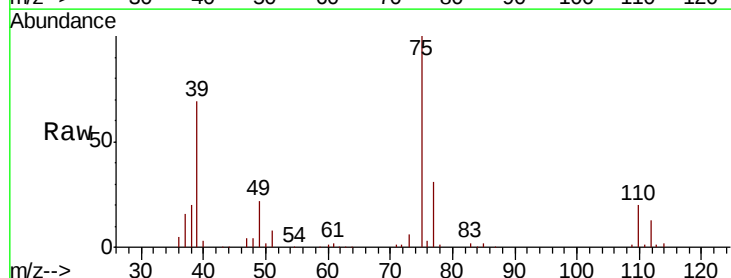
Tgt Ion: 75 Resp: 551005

Ion Ratio Lower Upper

75 100

77 30.8 23.9 35.9

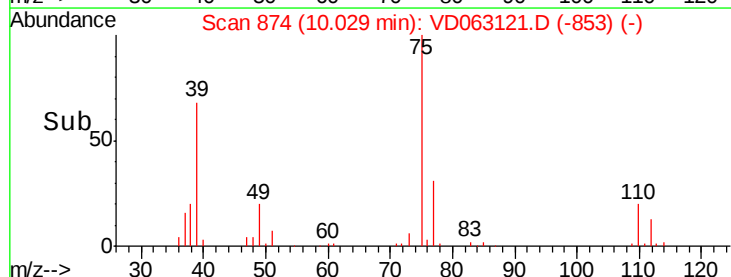
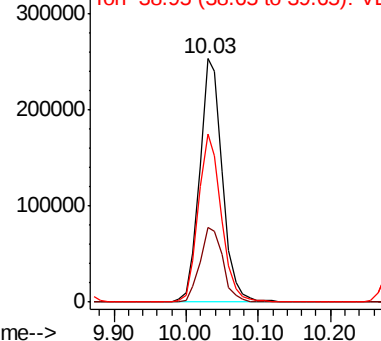
39 69.3 59.4 89.0

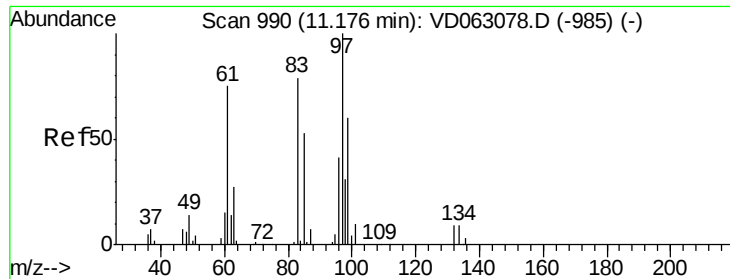


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

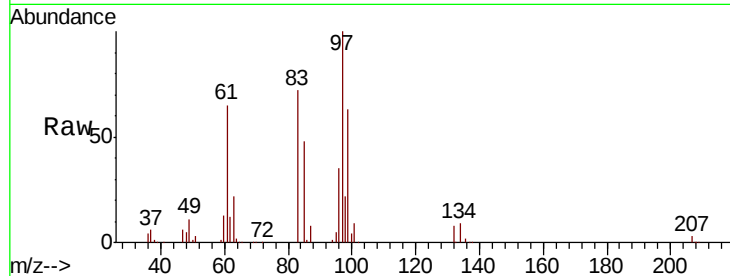




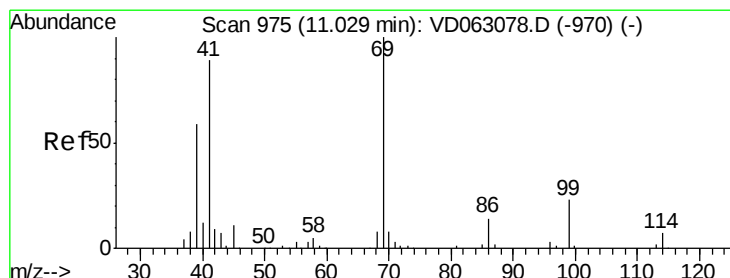
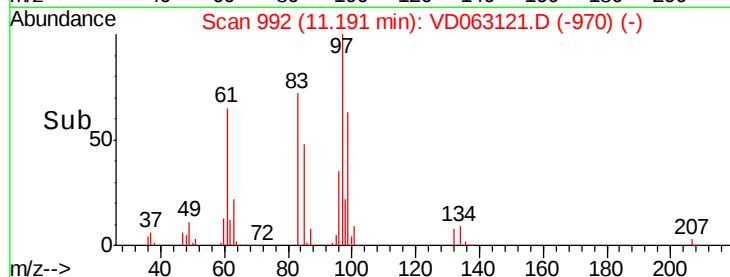
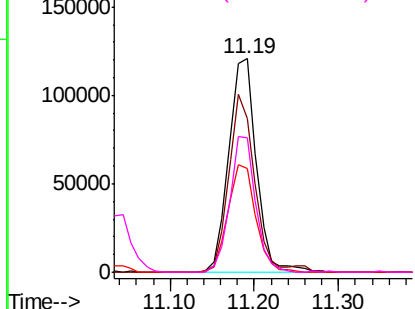
#55
1,1,2-Trichloroethane
Concen: 55.326 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 275595
Ion Ratio Lower Upper
97 100
83 71.9 63.2 94.8
85 48.4 42.0 63.0
99 63.0 48.3 72.5

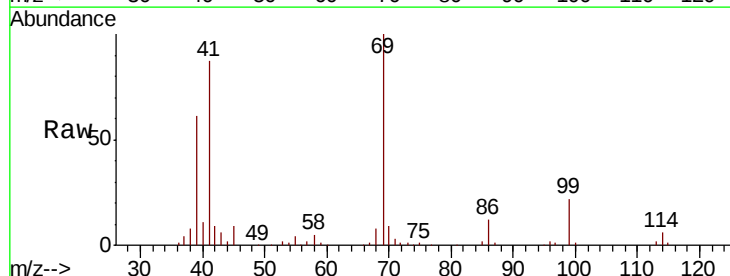


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

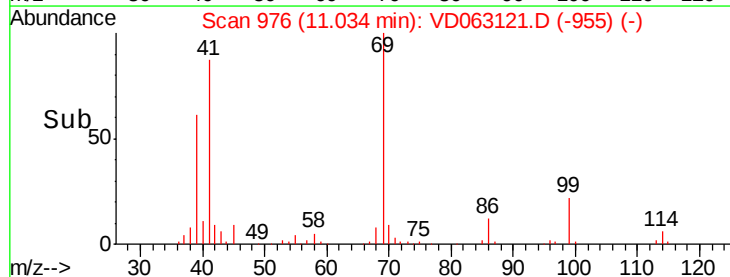
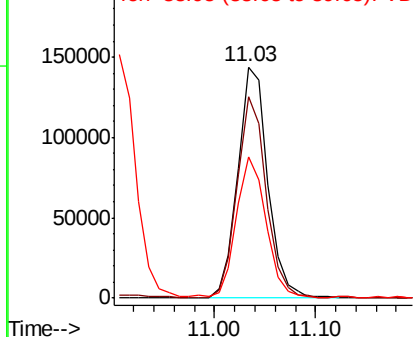


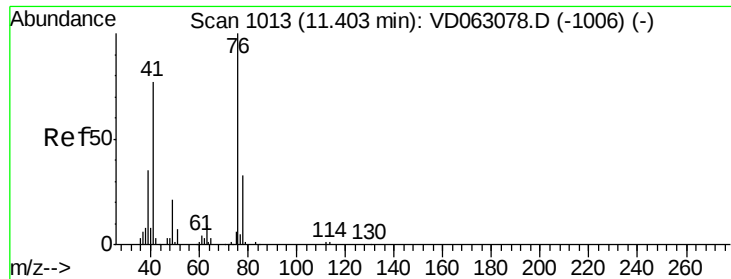
#56
Ethyl methacrylate
Concen: 53.414 ug/l
RT: 11.03 min Scan# 976
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 69 Resp: 297285
Ion Ratio Lower Upper
69 100
41 87.3 71.0 106.4
39 61.0 47.7 71.5



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: 52.943 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

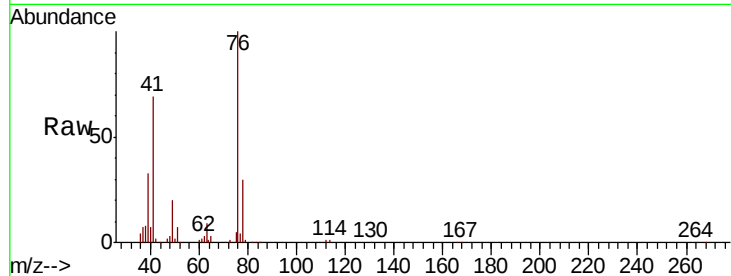
ClientSampleId :

Tot Ion: 76 Resp: 401297

Ion Ratio Lower Upper

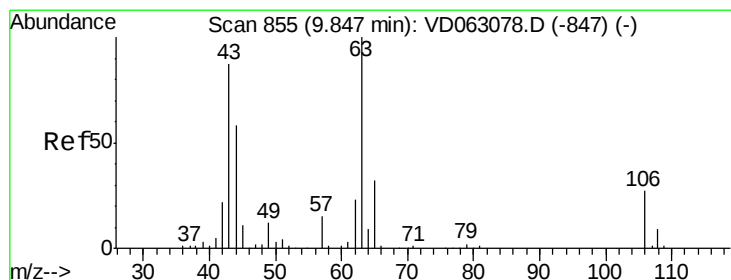
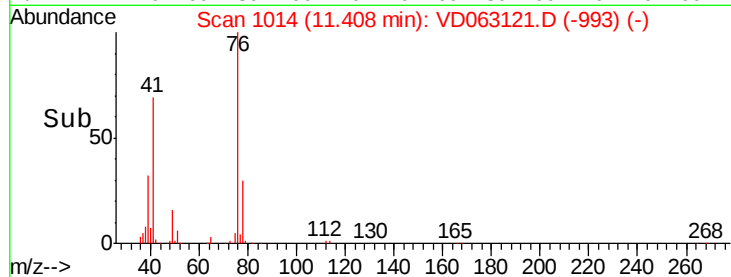
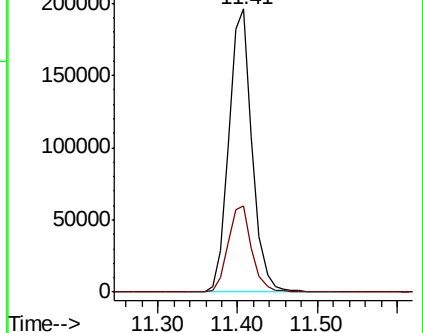
76 100

78 30.3 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 285.409 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063121.D

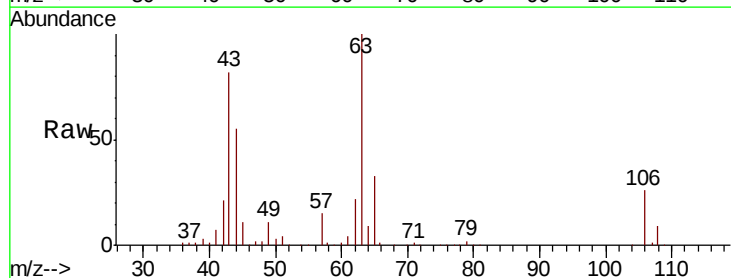
Acq: 17 Jul 2019 10:15

Tgt Ion: 63 Resp: 884476

Ion Ratio Lower Upper

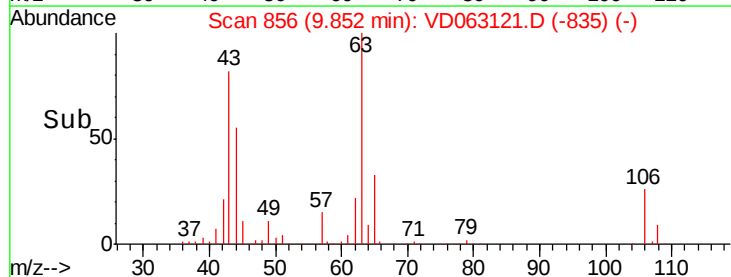
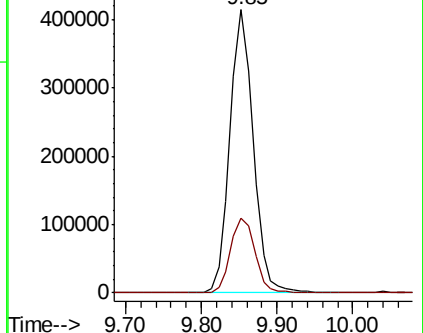
63 100

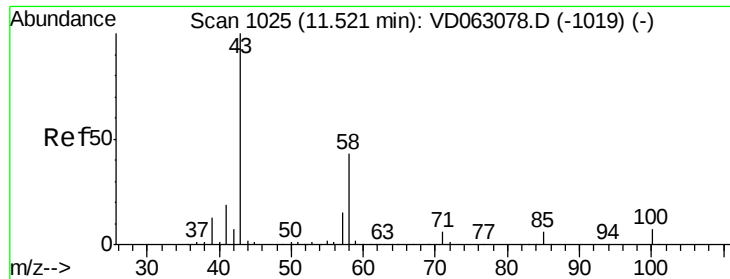
106 26.2 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

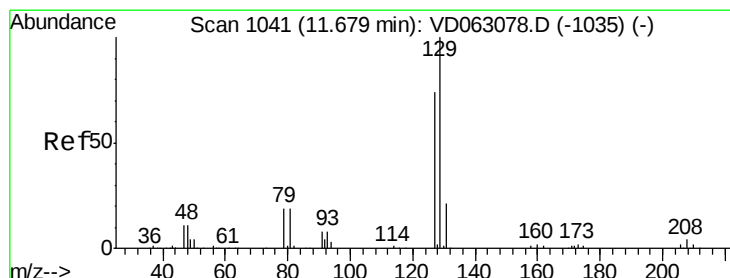
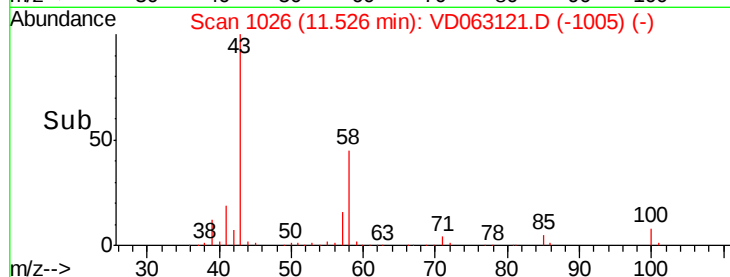
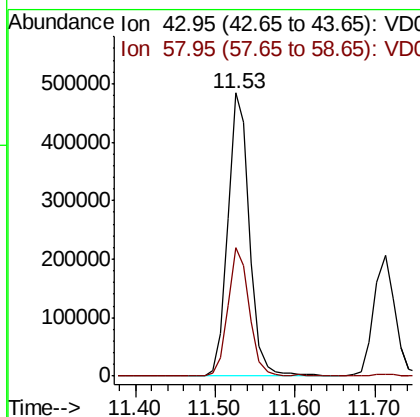
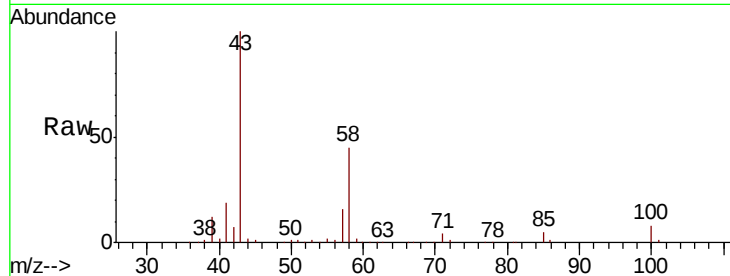




#59
2-Hexanone
Concen: 285.392 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

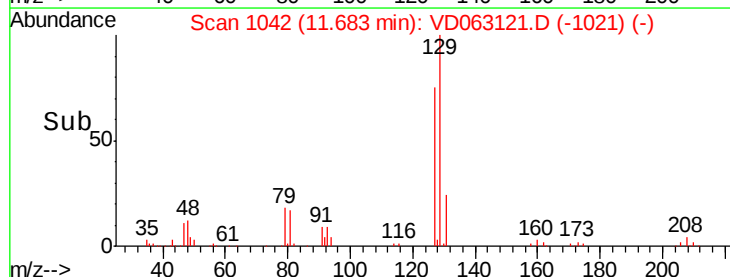
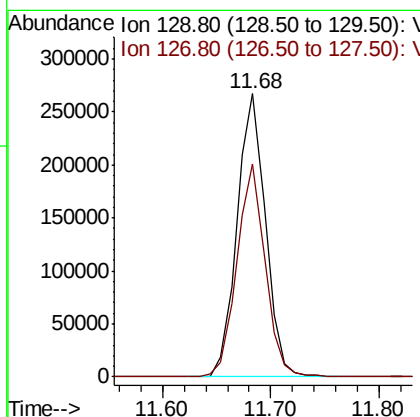
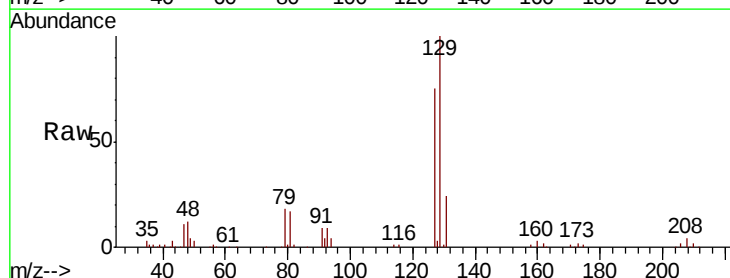
Instrument :
MSVOA_D
ClientSampleId :

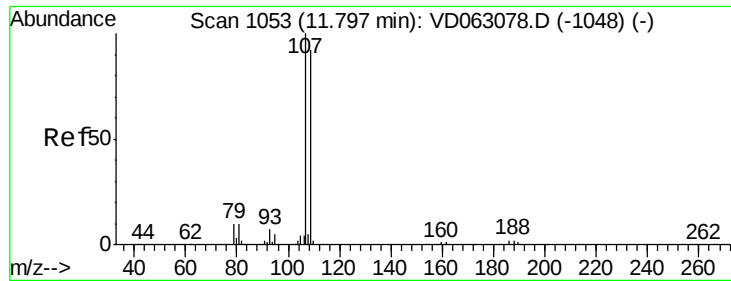
Tot Ion: 43 Resp: 922928
Ion Ratio Lower Upper
43 100
58 45.3 21.7 65.1



#60
Dibromochloromethane
Concen: 51.195 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 129 Resp: 488838
Ion Ratio Lower Upper
129 100
127 75.4 37.0 110.9

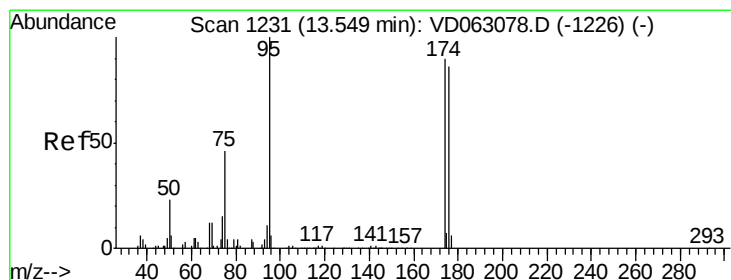
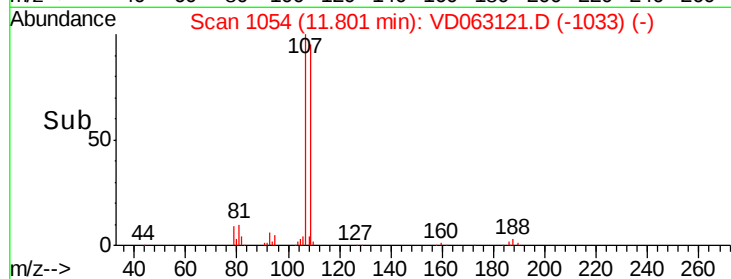
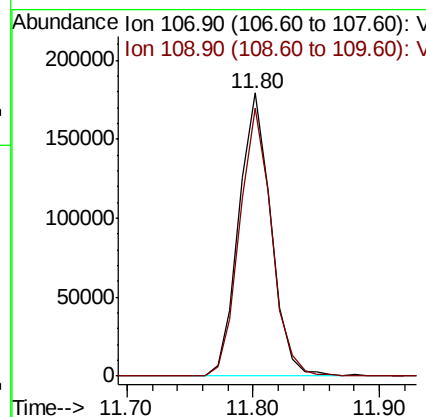
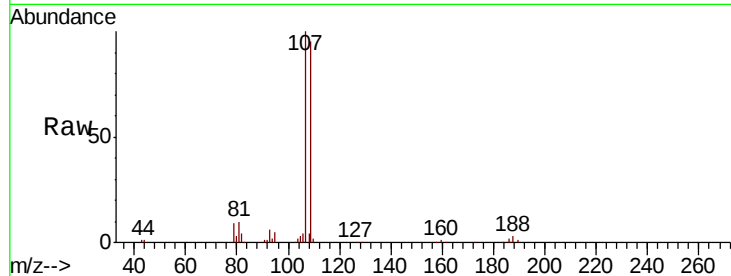




#61
 1,2-Dibromoethane
 Concen: 52.551 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

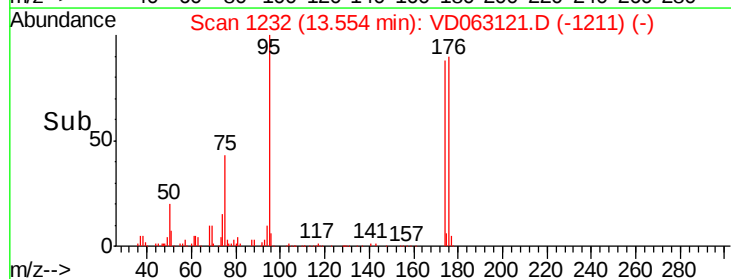
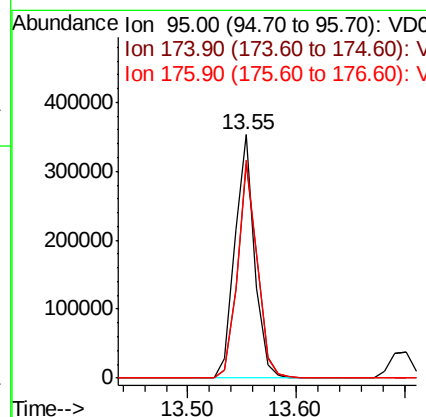
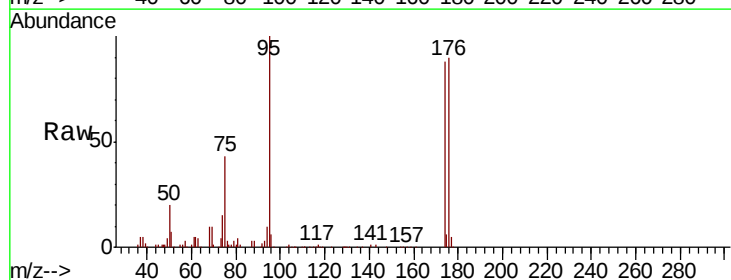
Instrument :
 MSVOA_D
 ClientSampleId :

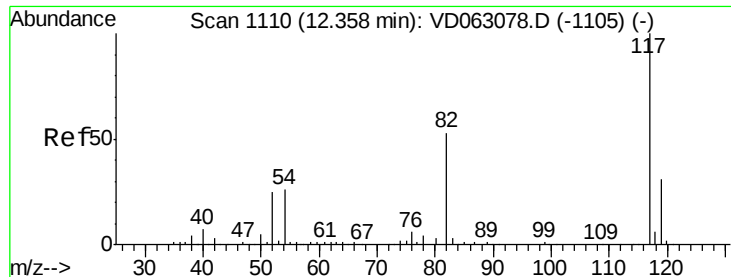
Tot Ion:107 Resp: 313341
 Ion Ratio Lower Upper
 107 100
 109 94.7 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 49.242 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion: 95 Resp: 446639
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 180.6
 176 89.6 0.0 172.2

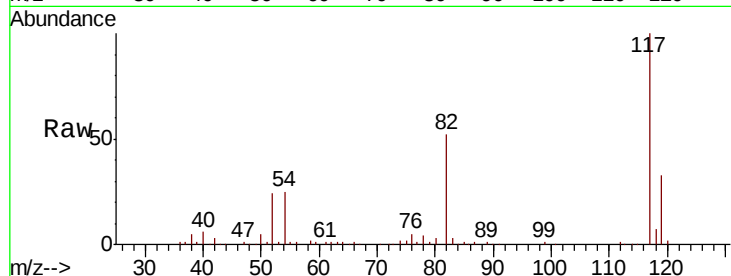




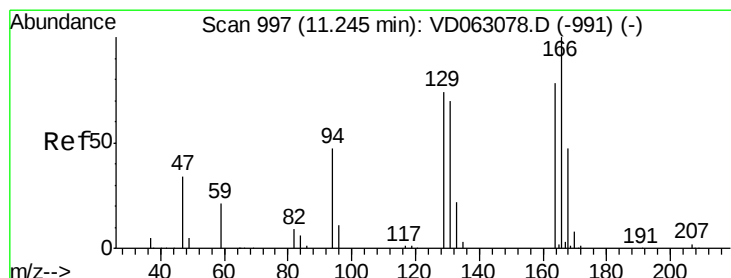
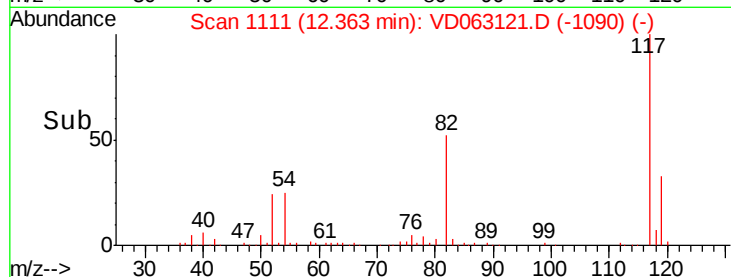
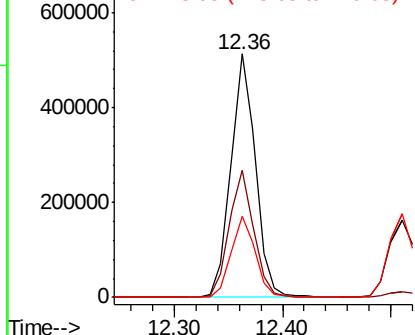
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 811502
Ion Ratio Lower Upper
117 100
82 52.0 42.3 63.5
119 33.5 25.2 37.8

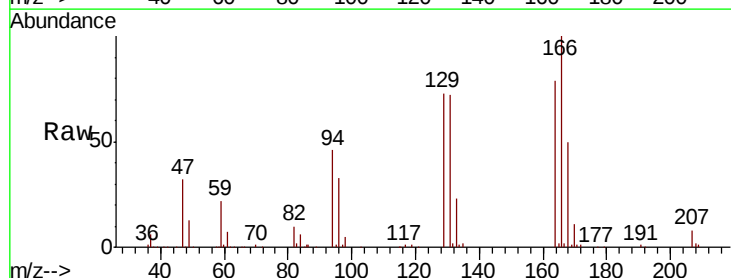


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

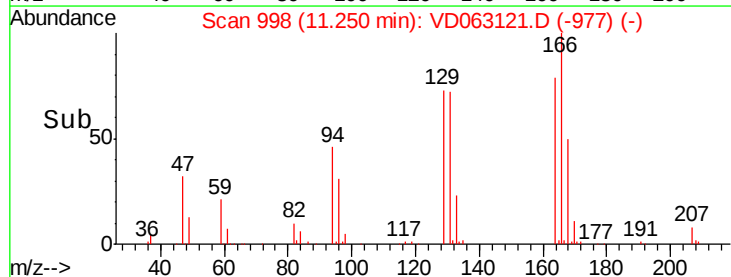
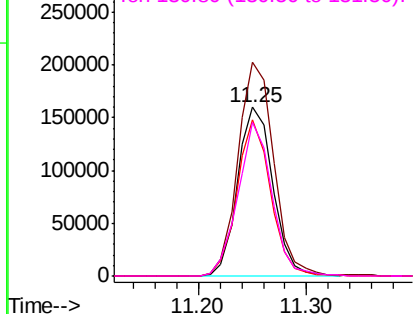


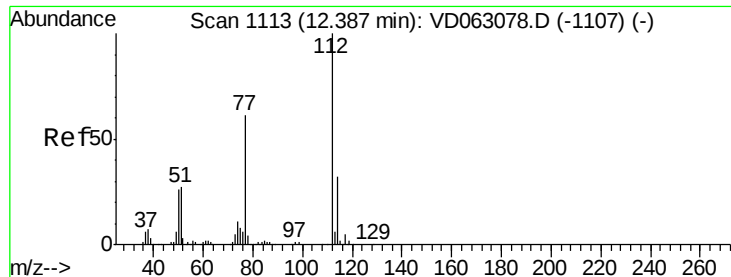
#64
Tetrachloroethene
Concen: 46.147 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion:164 Resp: 363375
Ion Ratio Lower Upper
164 100
166 126.8 102.8 154.2
129 93.0 76.4 114.6
131 91.4 71.7 107.5



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

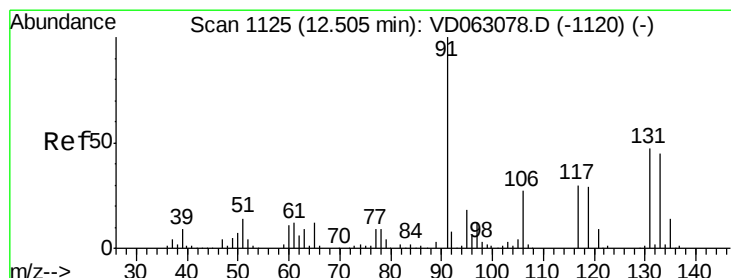
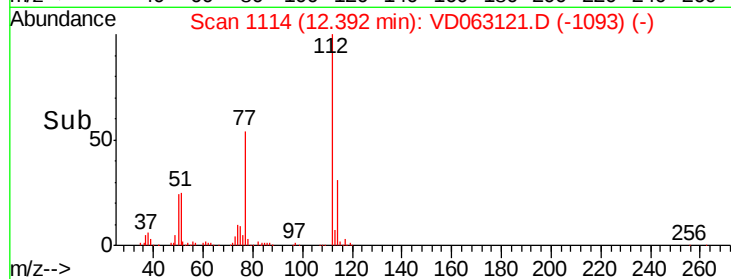
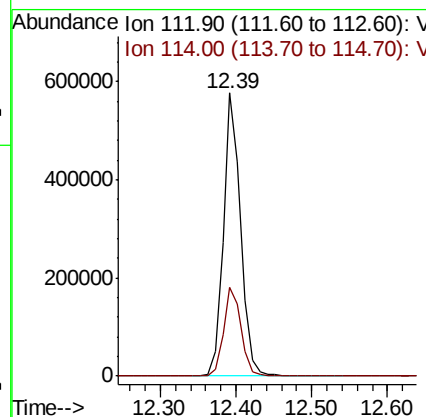
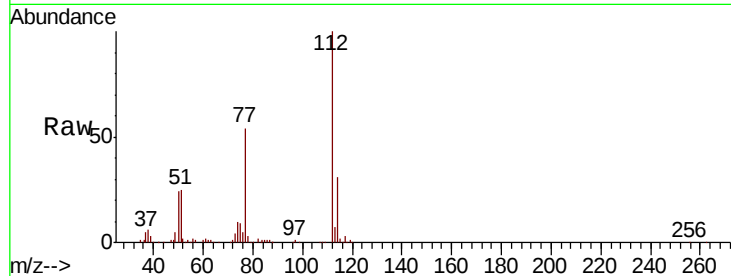




#65
Chlorobenzene
Concen: 48.059 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

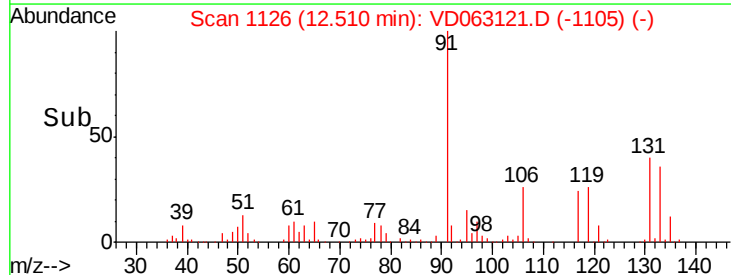
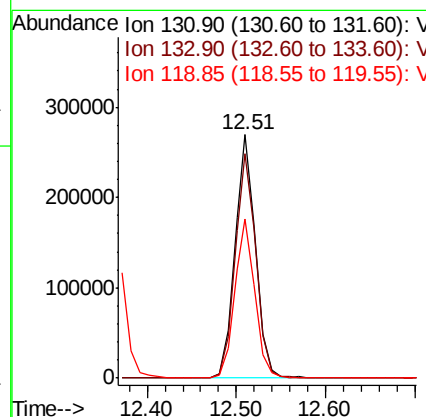
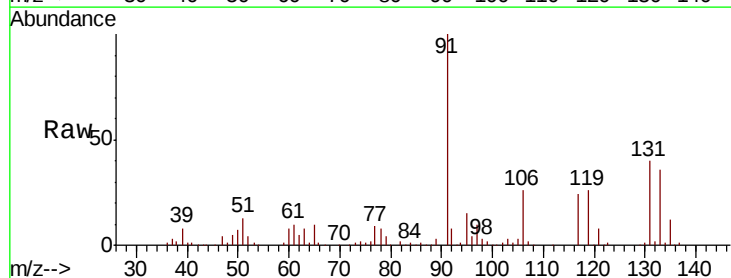
Instrument :
MSVOA_D
ClientSampleId :

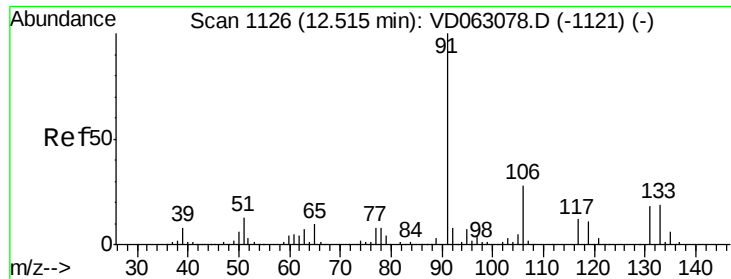
Tot Ion:112 Resp: 916774
Ion Ratio Lower Upper
112 100
114 31.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.504 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion:131 Resp: 437829
Ion Ratio Lower Upper
131 100
133 92.1 48.5 145.6
119 65.3 30.8 92.3

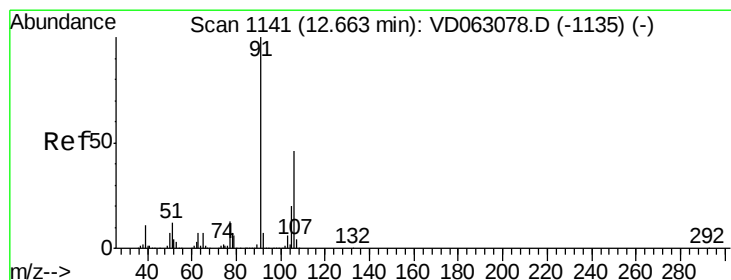
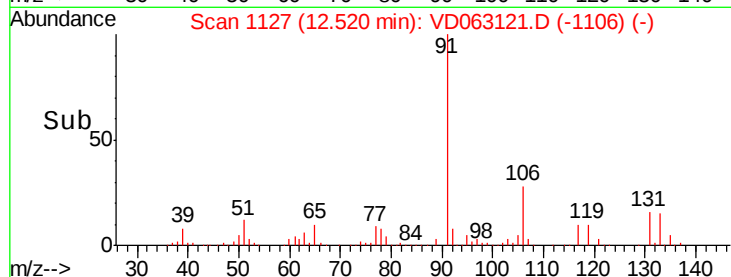
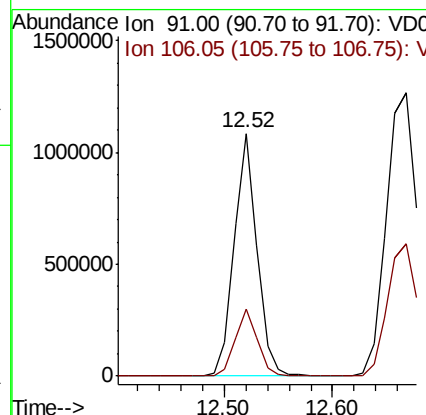
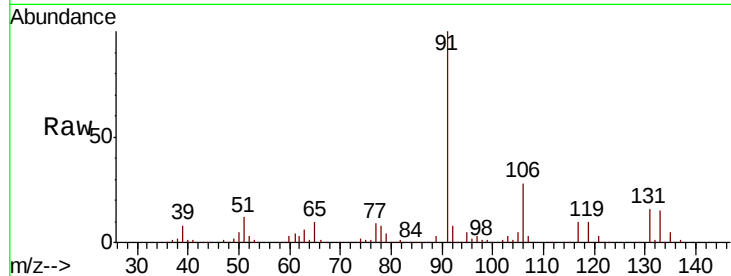




#67
Ethyl Benzene
Concen: 48.178 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

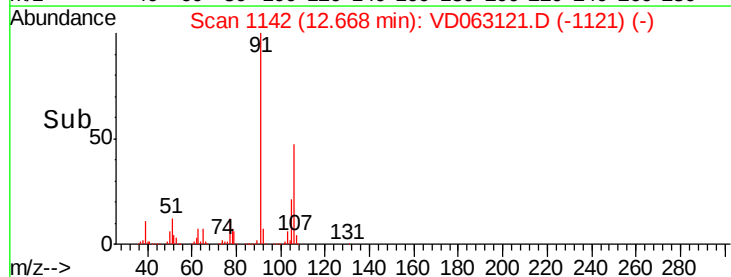
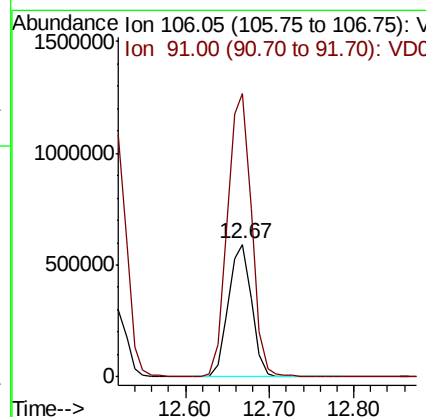
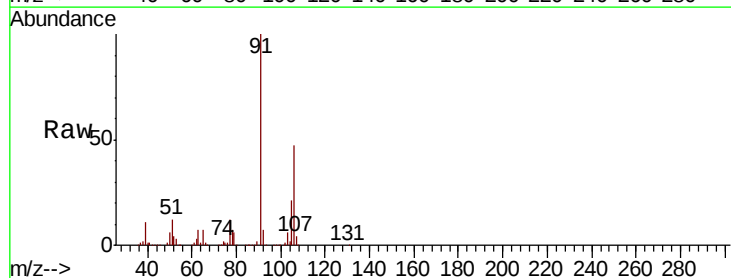
Instrument :
MSVOA_D
ClientSampleId :

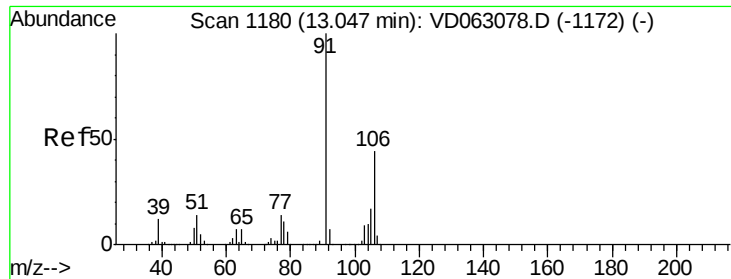
Tot Ion: 91 Resp: 1596854
Ion Ratio Lower Upper
91 100
106 27.6 22.5 33.7



#68
m/p-Xylenes
Concen: 95.709 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 106 Resp: 1136222
Ion Ratio Lower Upper
106 100
91 213.1 173.0 259.6

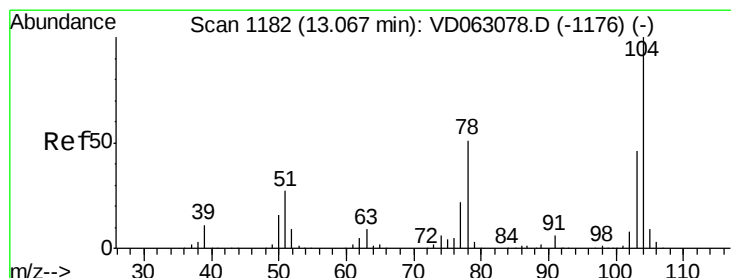
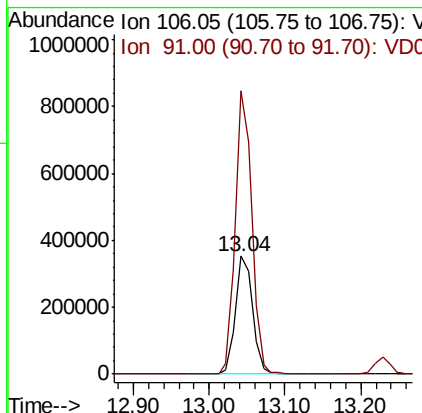
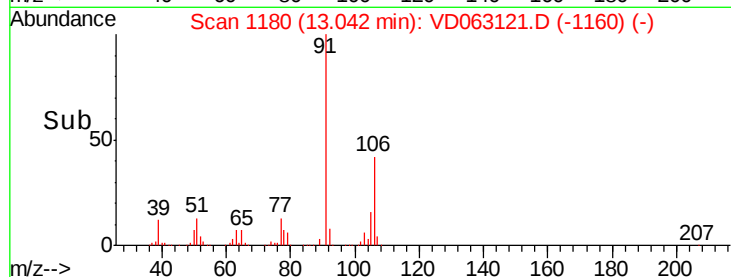
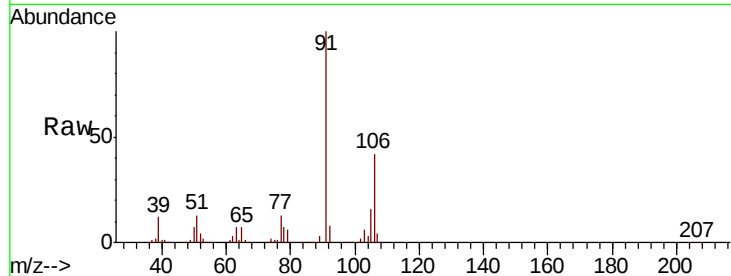




#69
o-Xylene
Concen: 48.249 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

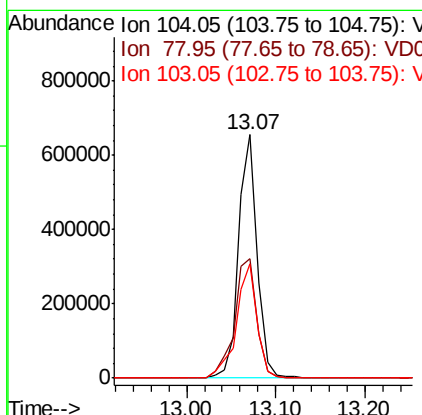
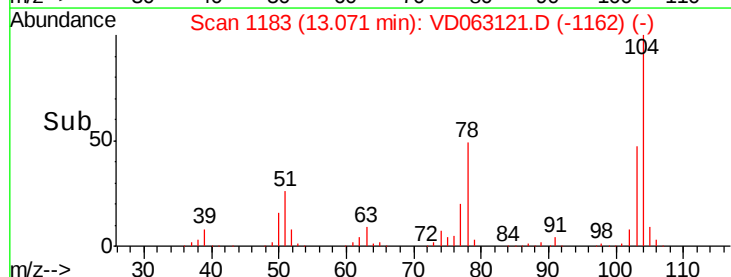
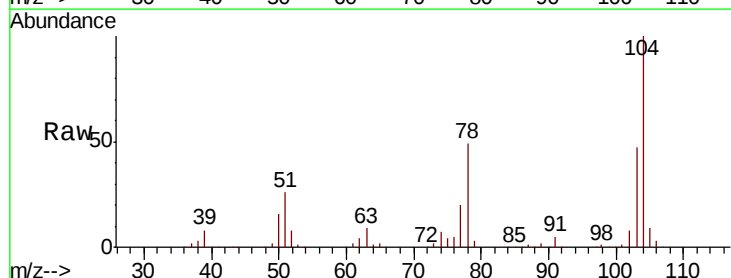
Instrument :
MSVOA_D
ClientSampled :

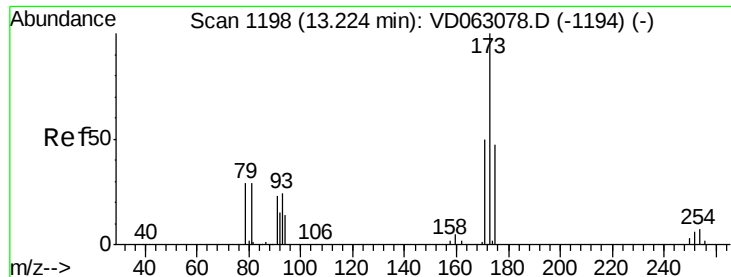
Tot Ion:106 Resp: 543136
Ion Ratio Lower Upper
106 100
91 239.5 114.9 344.7



#70
Styrene
Concen: 48.096 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion:104 Resp: 947683
Ion Ratio Lower Upper
104 100
78 48.9 41.1 61.7
103 47.0 37.0 55.6





#71

Bromoform

Concen: 50.476 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

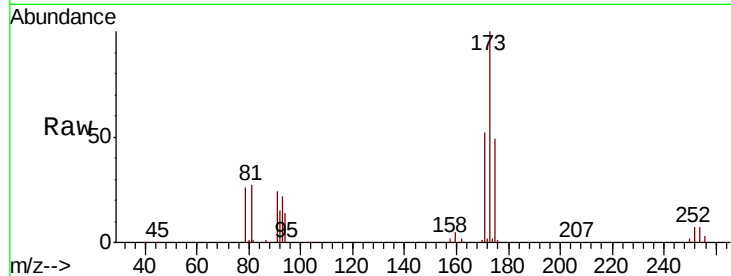
Tot Ion:173 Resp: 312542

Ion Ratio Lower Upper

173 100

175 48.9 23.4 70.2

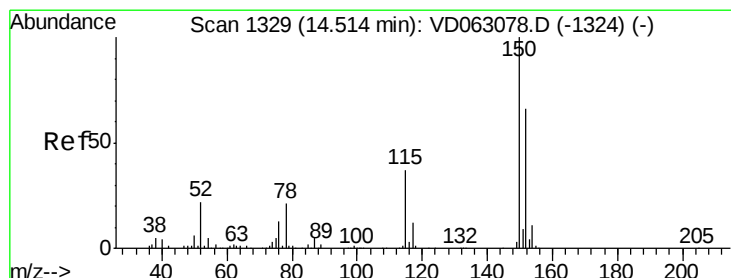
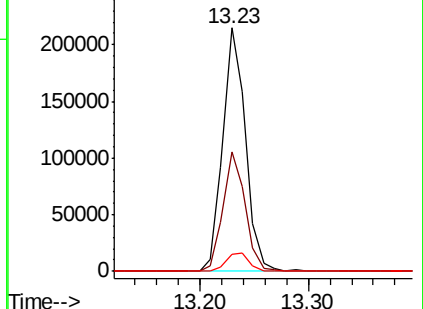
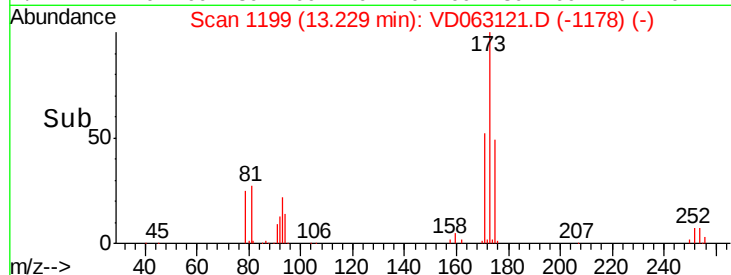
254 6.9 5.4 8.0



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: VD063121.D

Acq: 17 Jul 2019 10:15

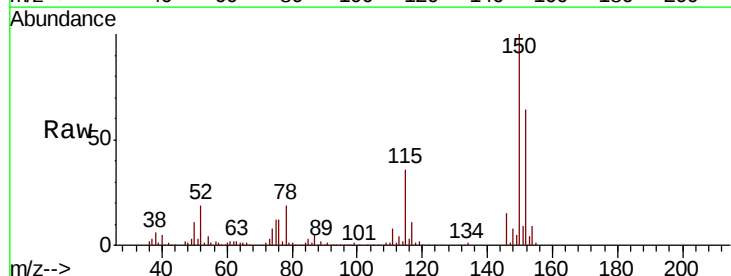
Tgt Ion:152 Resp: 418858

Ion Ratio Lower Upper

152 100

115 55.6 28.9 86.8

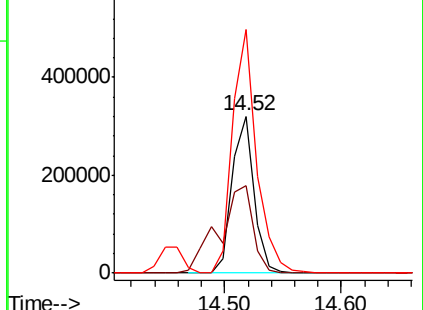
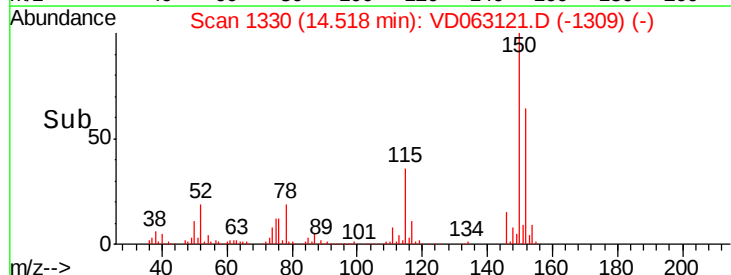
150 155.1 0.0 313.8

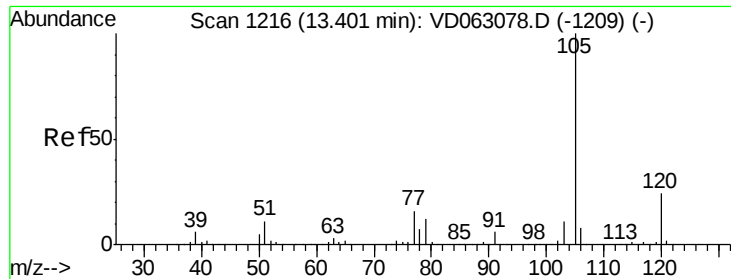


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.858 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

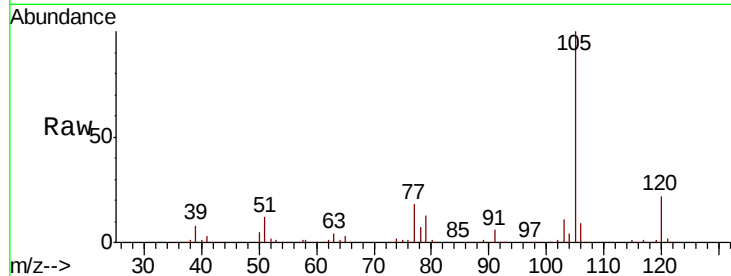
ClientSampled :

Tot Ion:105 Resp: 1612769

Ion Ratio Lower Upper

105 100

120 22.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

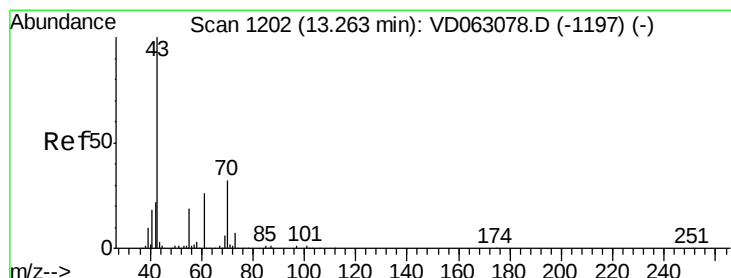
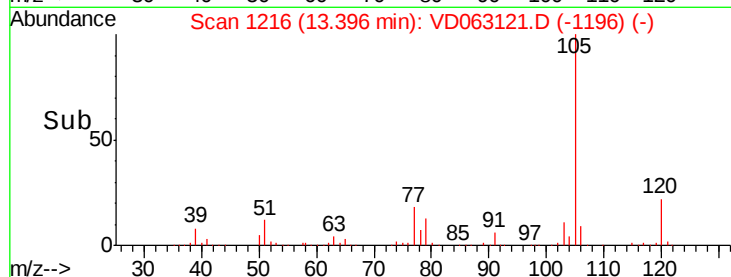
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 48.227 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Tgt Ion: 43 Resp: 435073

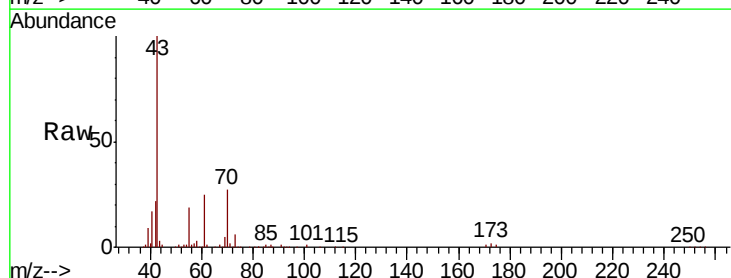
Ion Ratio Lower Upper

43 100

70 27.1 25.5 38.3

55 18.7 15.4 23.0

61 24.9 20.6 31.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

300000

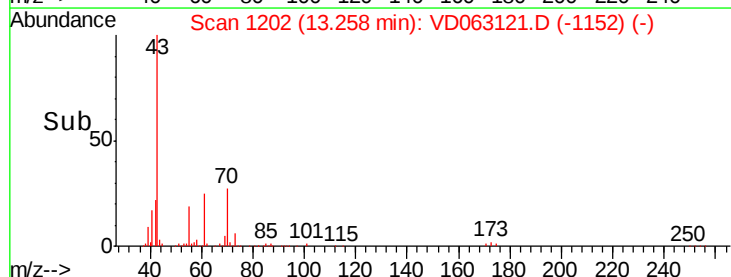
200000

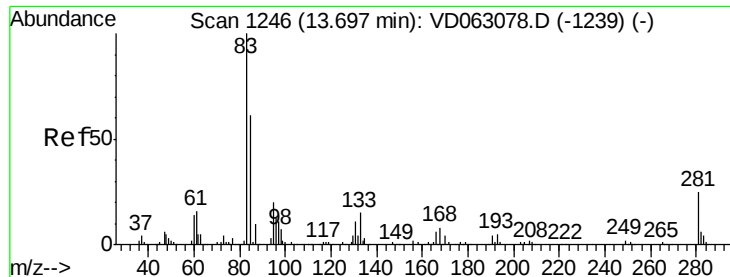
100000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.287 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

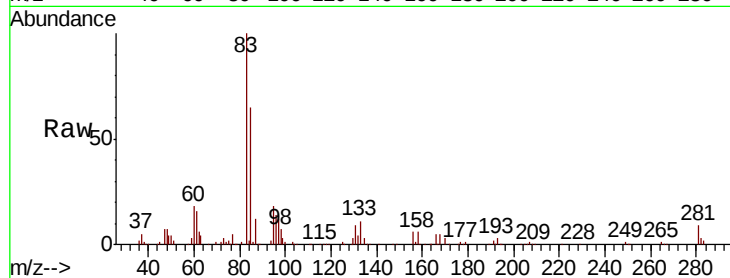
Tot Ion: 83 Resp: 295956

Ion Ratio Lower Upper

83 100

131 9.5 5.5 16.7

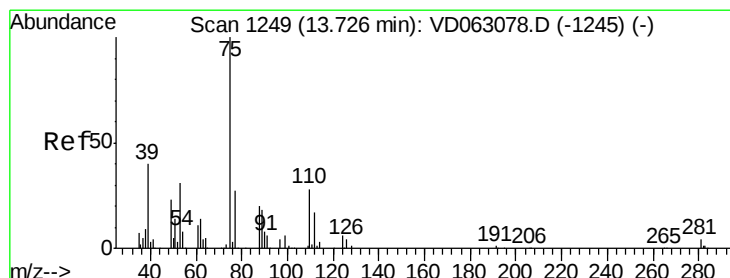
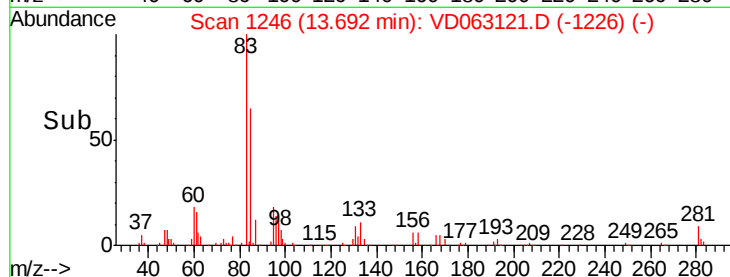
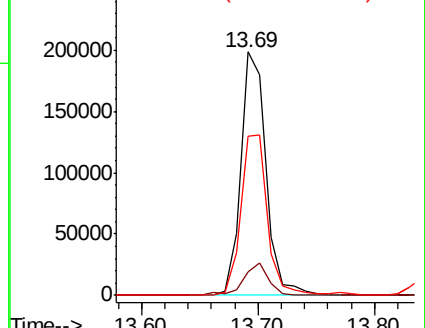
85 65.4 30.7 92.1



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: 48.568 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063121.D

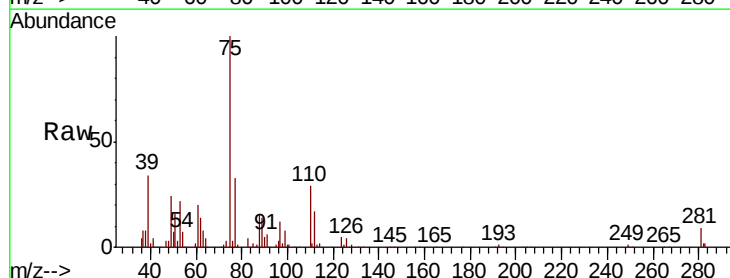
Acq: 17 Jul 2019 10:15

Tgt Ion: 75 Resp: 312935

Ion Ratio Lower Upper

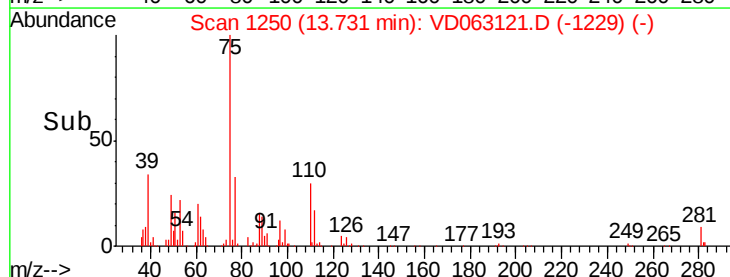
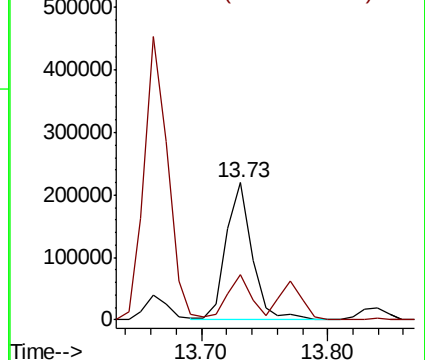
75 100

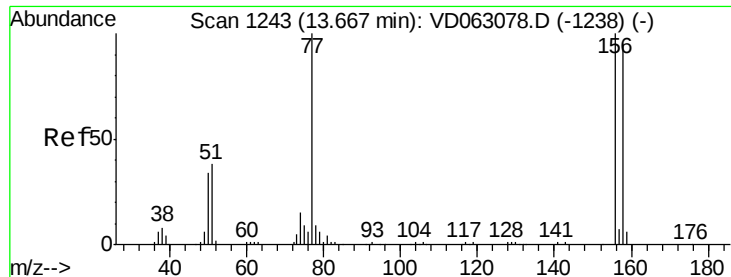
77 32.6 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.624 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampled :

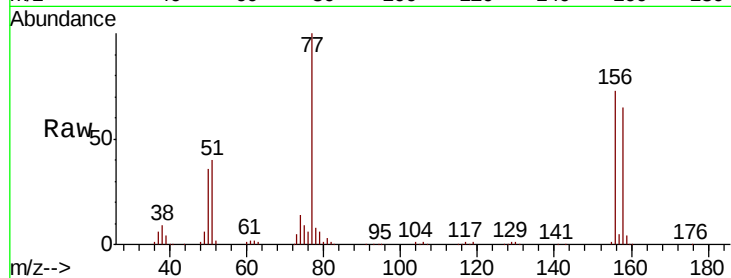
Tot Ion:156 Resp: 473554

Ion Ratio Lower Upper

156 100

77 137.8 50.2 150.7

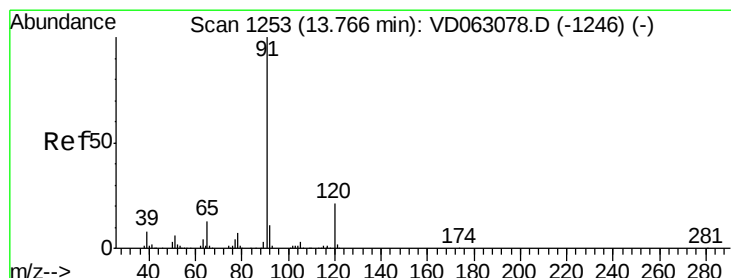
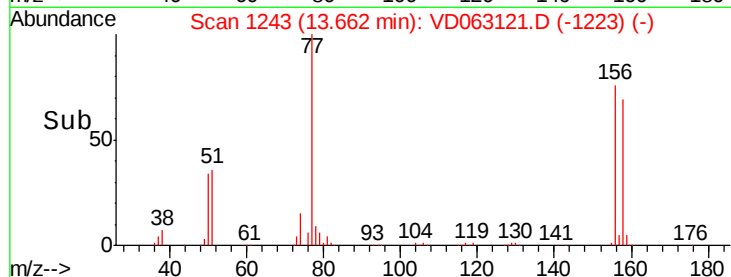
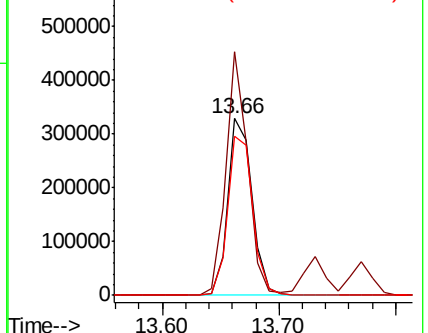
158 90.2 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.251 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063121.D

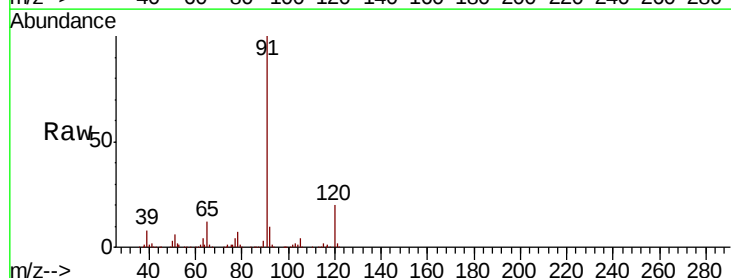
Acq: 17 Jul 2019 10:15

Tgt Ion: 91 Resp: 1870570

Ion Ratio Lower Upper

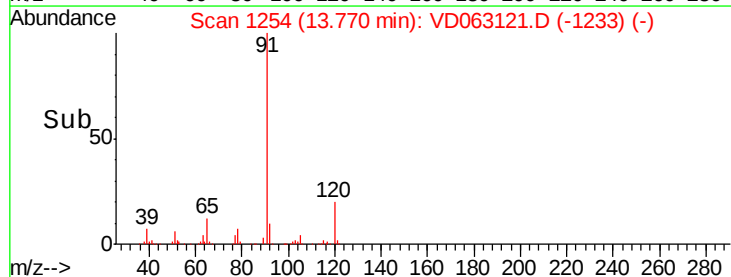
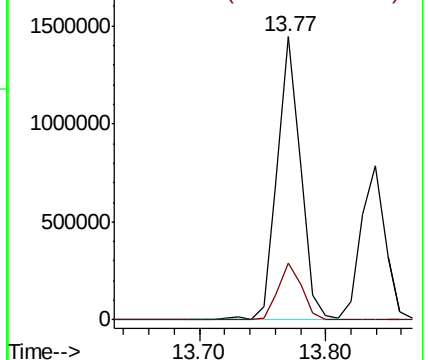
91 100

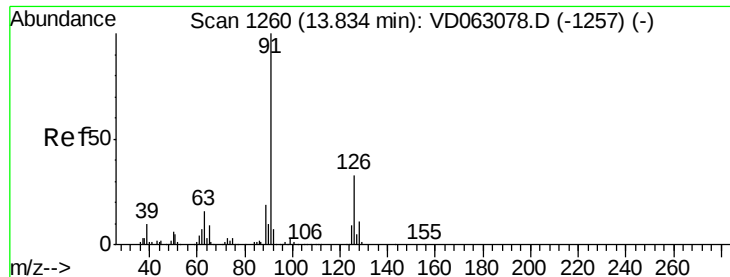
120 20.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

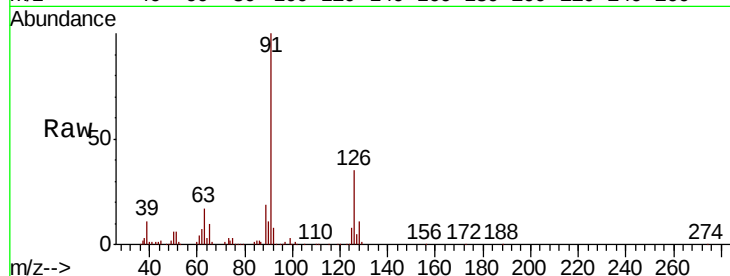




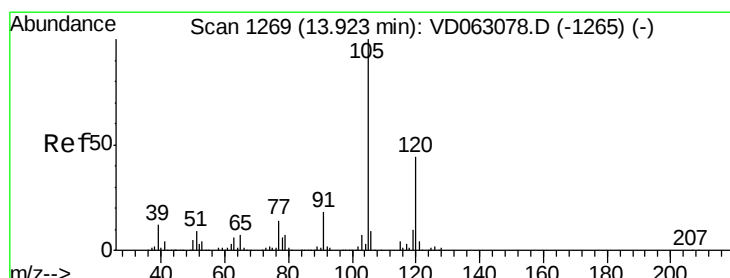
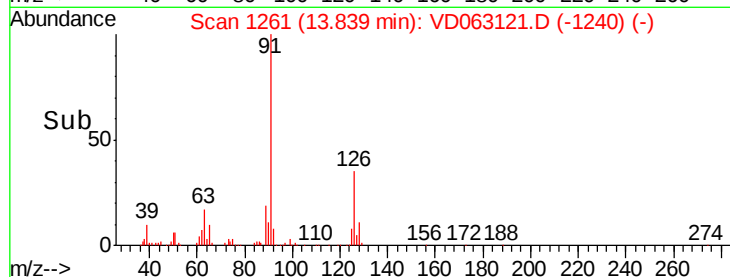
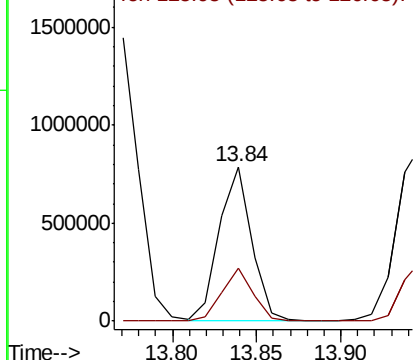
#79
2-Chlorotoluene
Concen: 47.175 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1061771
Ion Ratio Lower Upper
91 100
126 34.5 16.4 49.2

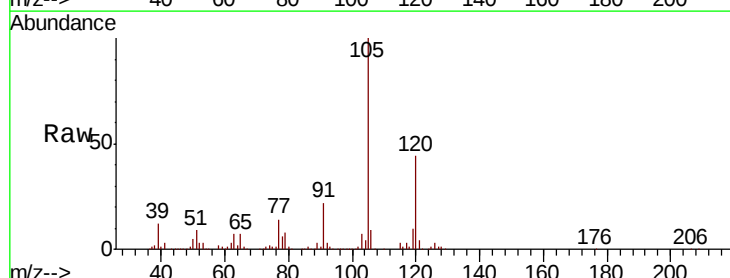


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

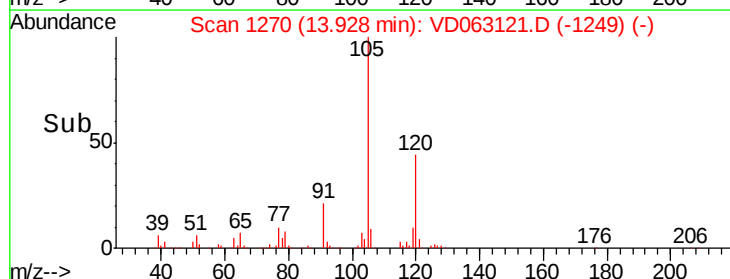
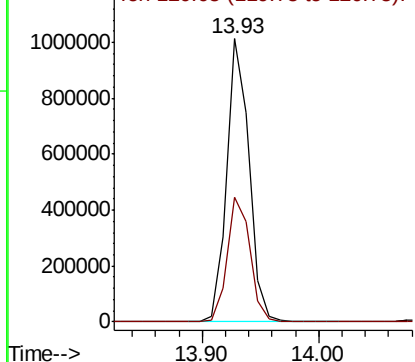


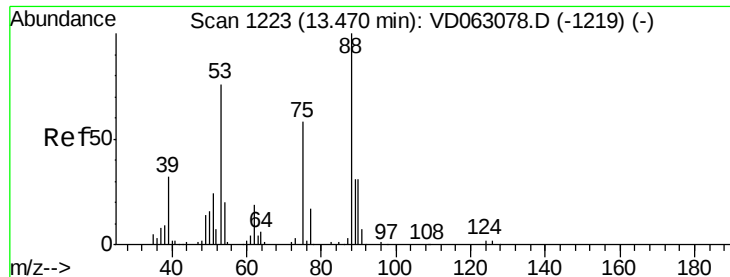
#80
1,3,5-Trimethylbenzene
Concen: 47.293 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 105 Resp: 1333292
Ion Ratio Lower Upper
105 100
120 43.9 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.740 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampled :

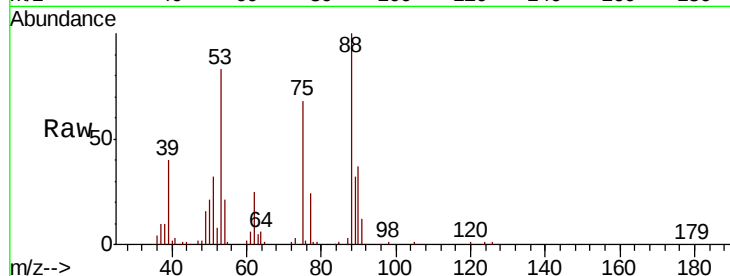
Tot Ion: 75 Resp: 89486

Ion Ratio Lower Upper

75 100

53 121.1 104.4 156.6

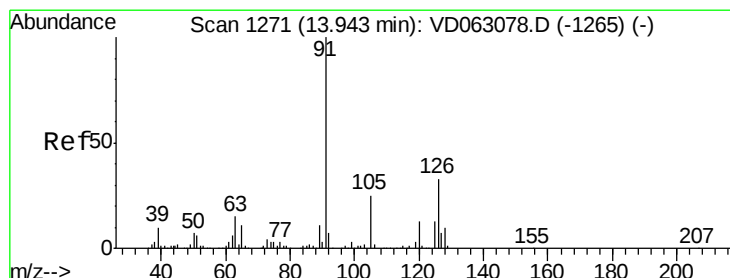
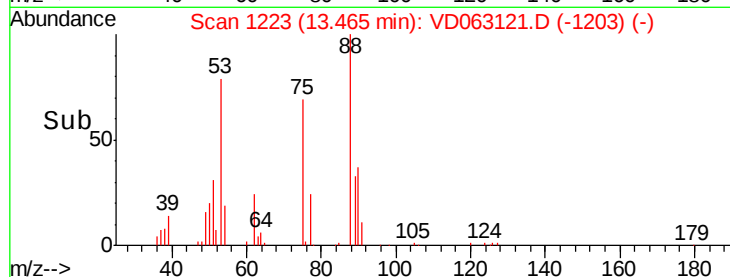
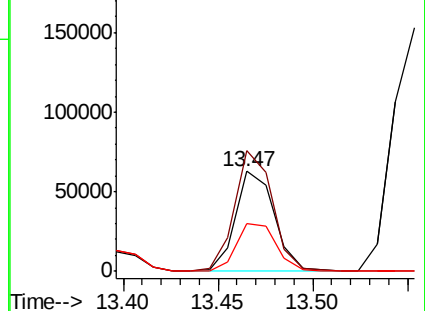
89 47.3 43.1 64.7



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: 49.859 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063121.D

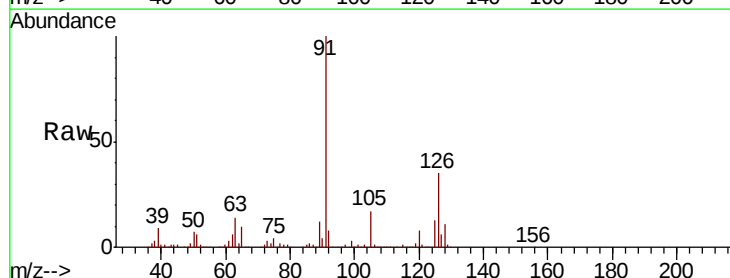
Acq: 17 Jul 2019 10:15

Tgt Ion: 91 Resp: 1310391

Ion Ratio Lower Upper

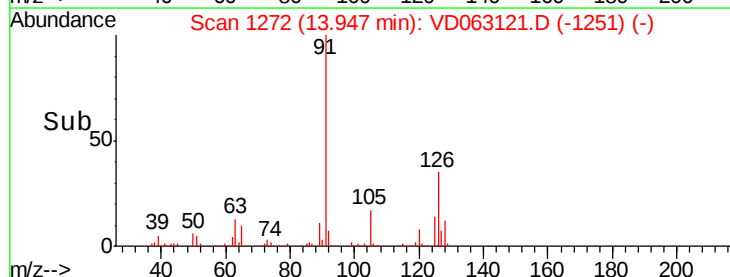
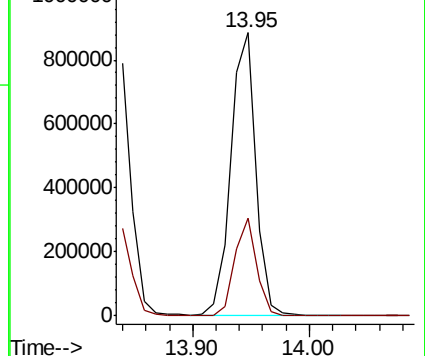
91 100

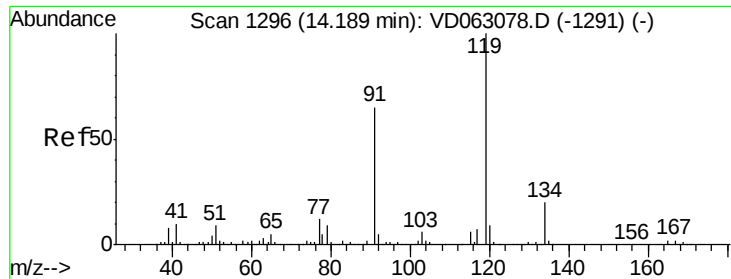
126 34.7 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

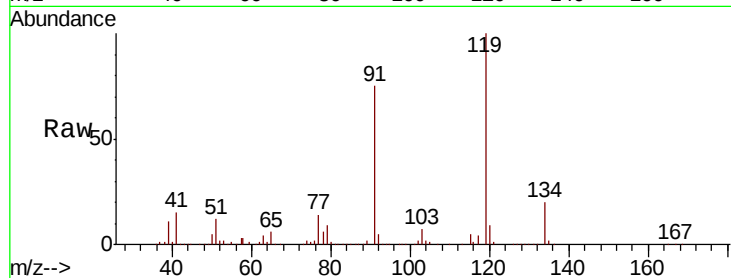




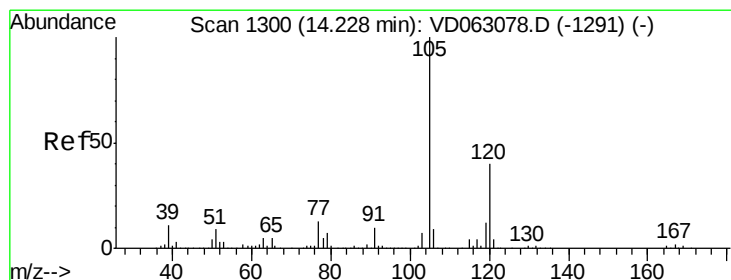
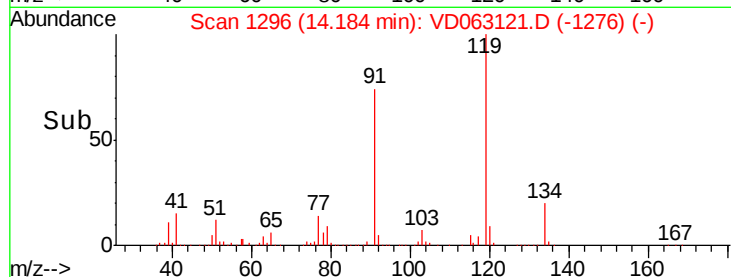
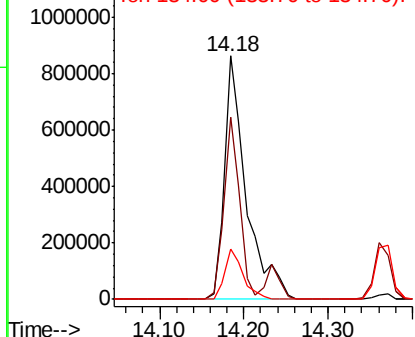
#83
 tert-Butylbenzene
 Concen: 48.703 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:119 Resp: 1552498
 Ion Ratio Lower Upper
 119 100
 91 74.7 32.4 97.2
 134 20.5 10.2 30.6

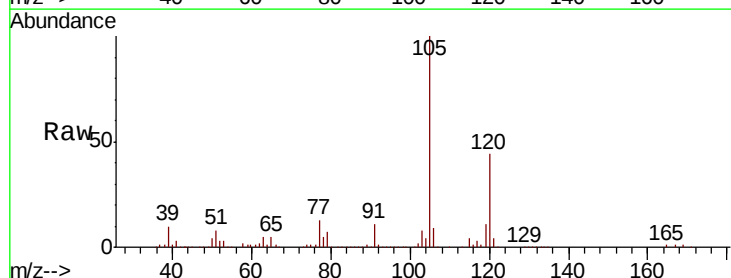


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

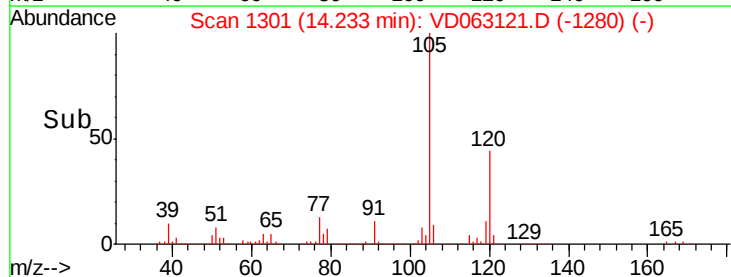
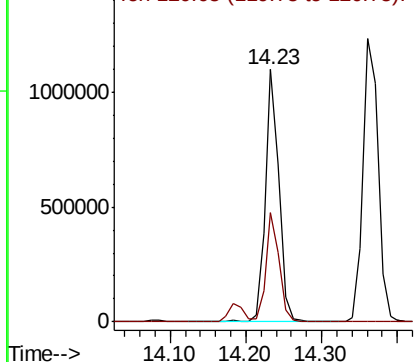


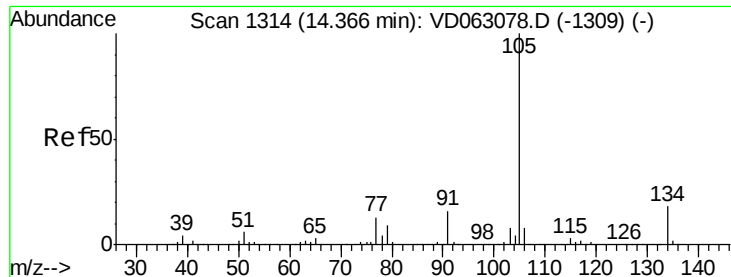
#84
 1,2,4-Trimethylbenzene
 Concen: 49.487 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion:105 Resp: 1390898
 Ion Ratio Lower Upper
 105 100
 120 43.5 20.2 60.6



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

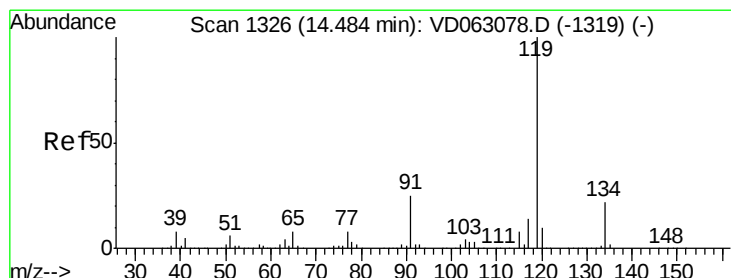
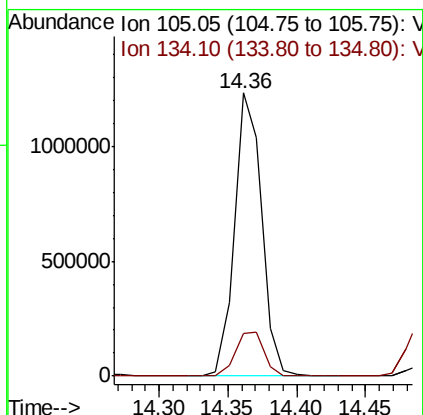
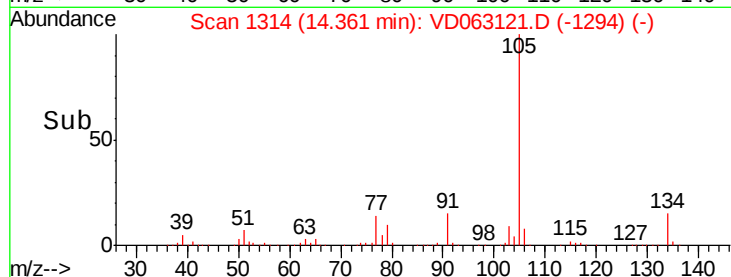
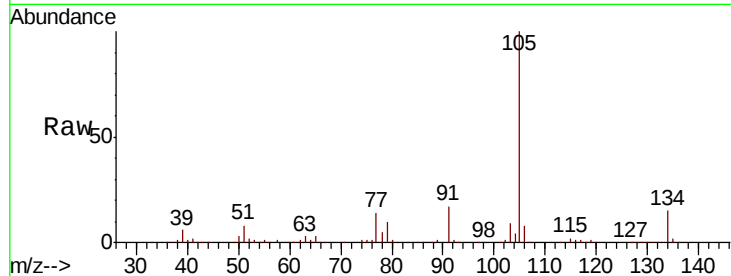




#85
 sec-Butylbenzene
 Concen: 49.746 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

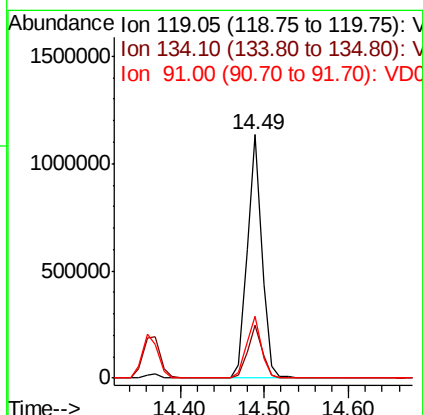
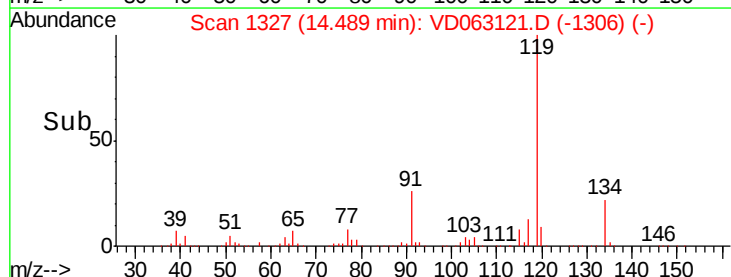
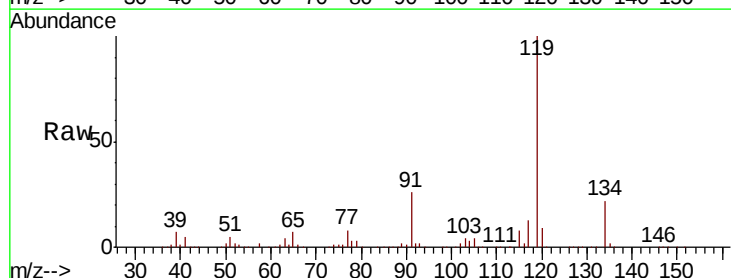
Instrument :
 MSVOA_D
 ClientSampled :

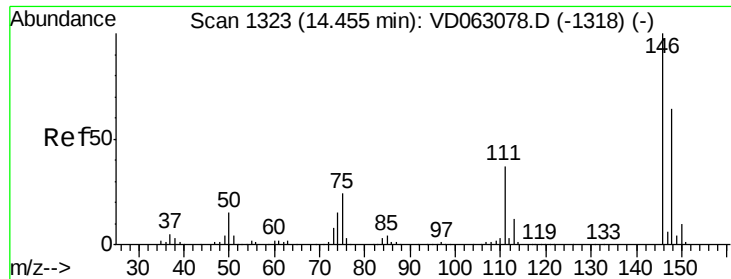
Tot Ion:105 Resp: 1684844
 Ion Ratio Lower Upper
 105 100
 134 15.0 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 43.365 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion:119 Resp: 1370138
 Ion Ratio Lower Upper
 119 100
 134 21.9 10.8 32.4
 91 25.6 12.5 37.5

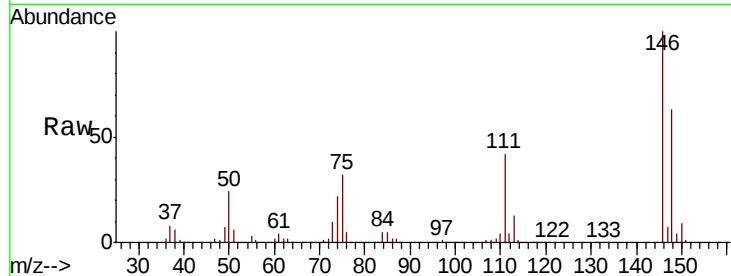




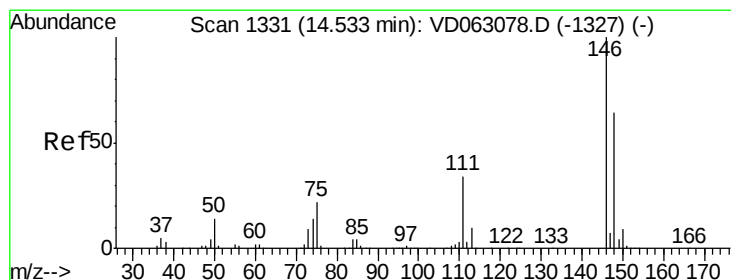
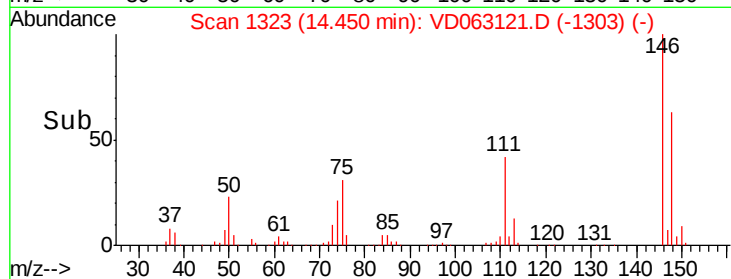
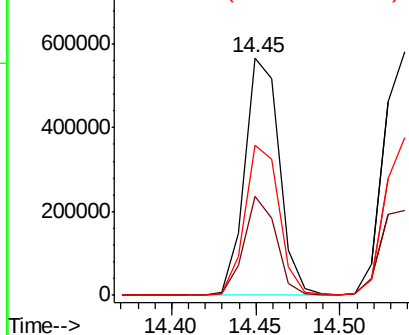
#87
 1,3-Dichlorobenzene
 Concen: 49.225 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 806389
 Ion Ratio Lower Upper
 146 100
 111 41.7 18.6 55.6
 148 63.0 32.0 96.0

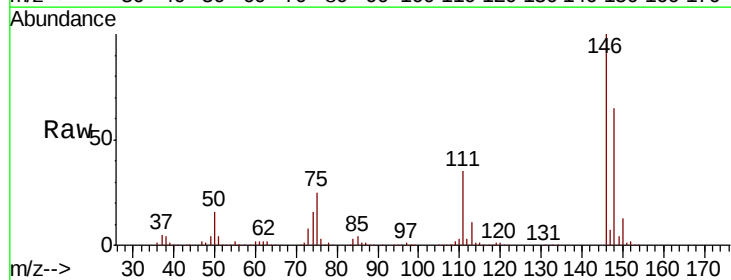


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

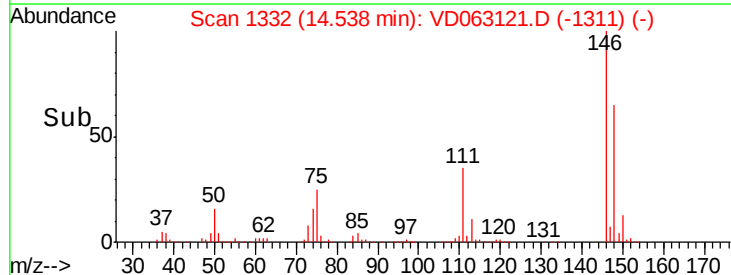
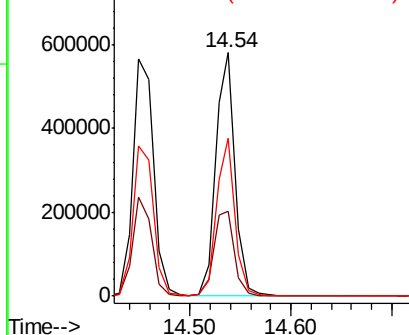


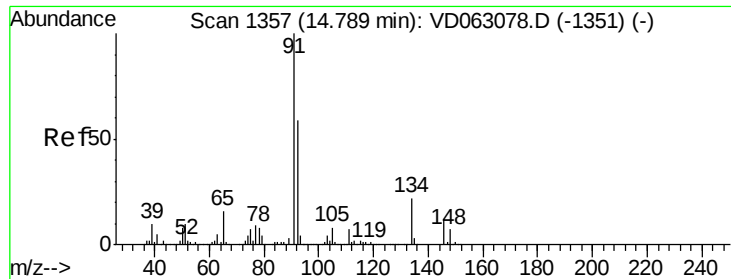
#88
 1,4-Dichlorobenzene
 Concen: 49.392 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion:146 Resp: 775710
 Ion Ratio Lower Upper
 146 100
 111 34.6 17.0 51.0
 148 64.8 32.0 96.2



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





#89

n-Butylbenzene

Concen: 49.348 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampled :

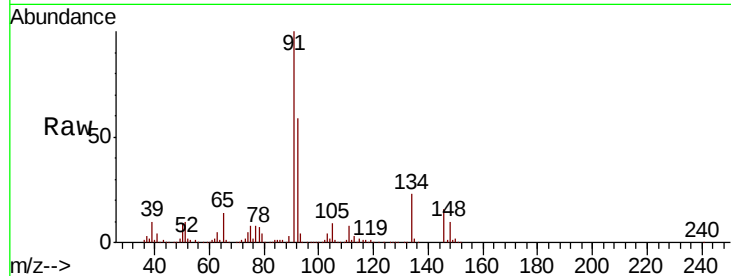
Tot Ion: 91 Resp: 1437092

Ion Ratio Lower Upper

91 100

92 59.5 29.4 88.3

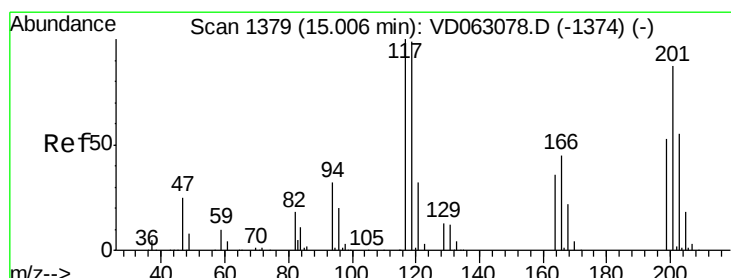
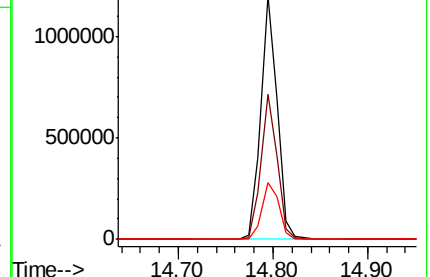
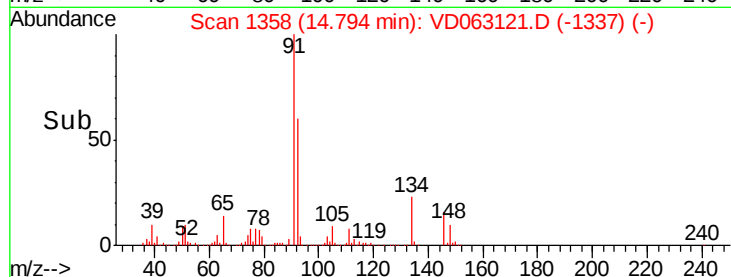
134 23.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 49.382 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063121.D

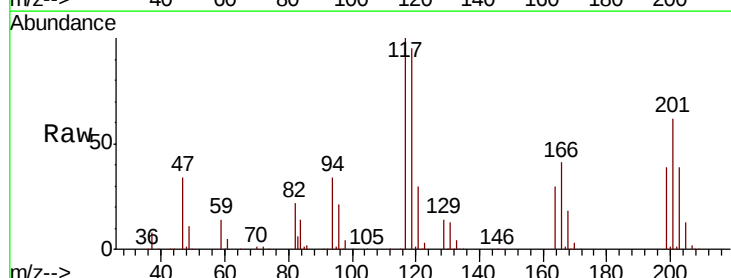
Acq: 17 Jul 2019 10:15

Tgt Ion: 117 Resp: 417100

Ion Ratio Lower Upper

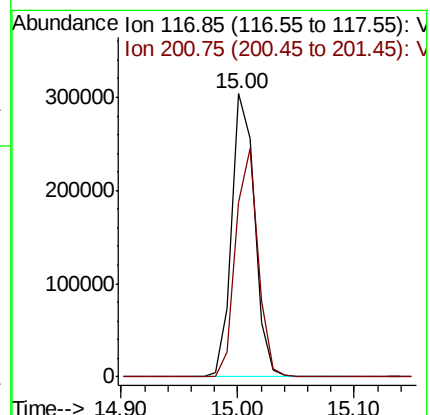
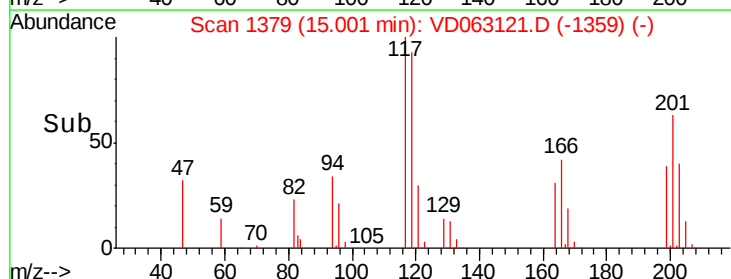
117 100

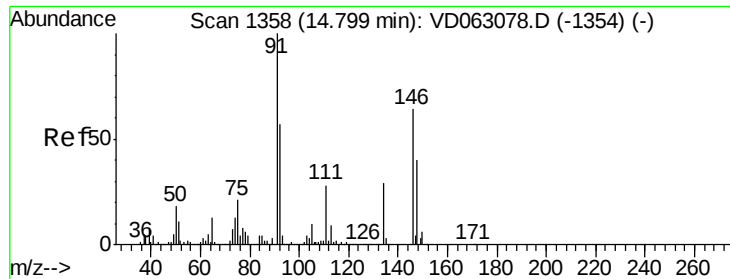
201 61.9 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 50.541 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

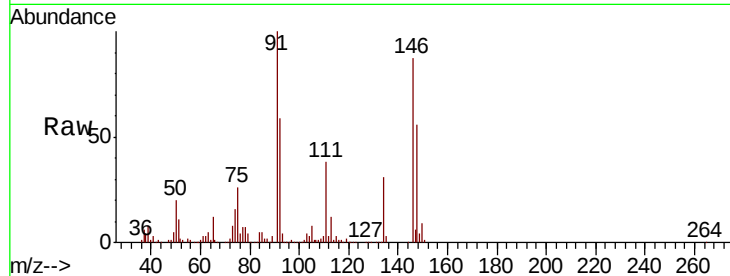
Tot Ion:146 Resp: 737260

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.5

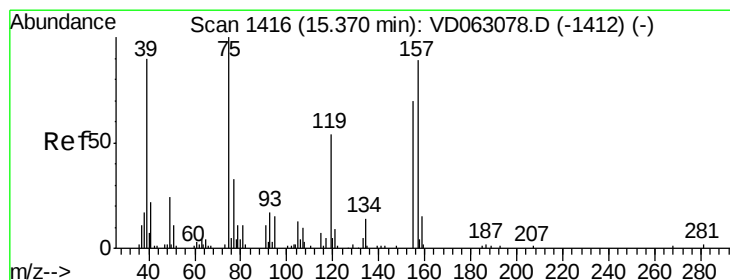
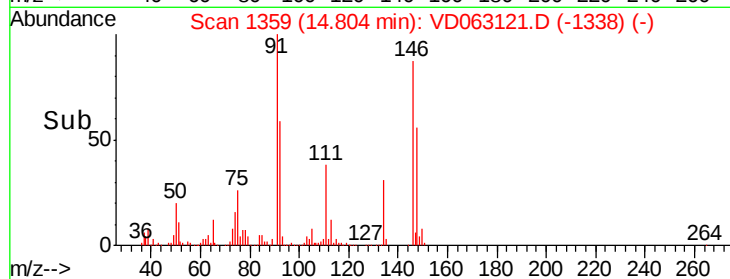
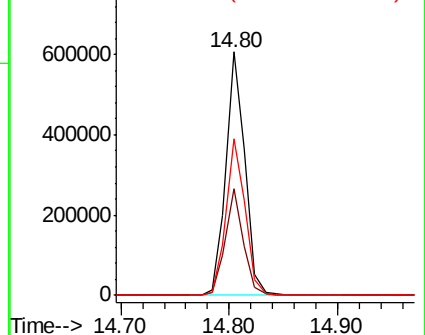
148 64.3 31.5 94.5



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: 52.499 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

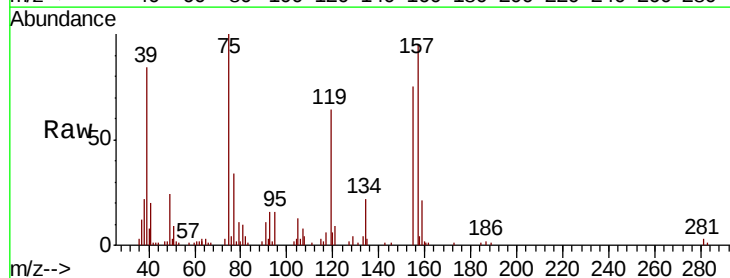
Tgt Ion: 75 Resp: 59224

Ion Ratio Lower Upper

75 100

155 74.9 34.8 104.3

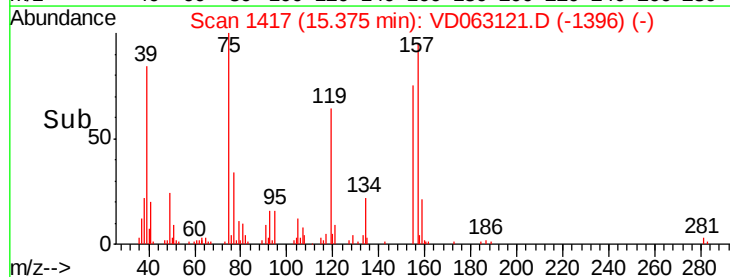
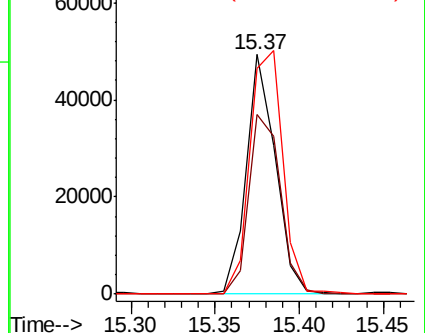
157 94.5 44.7 134.1

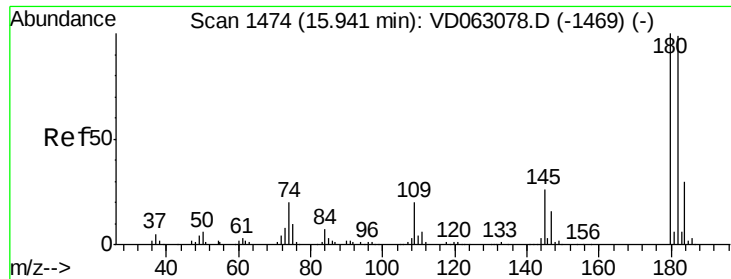


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

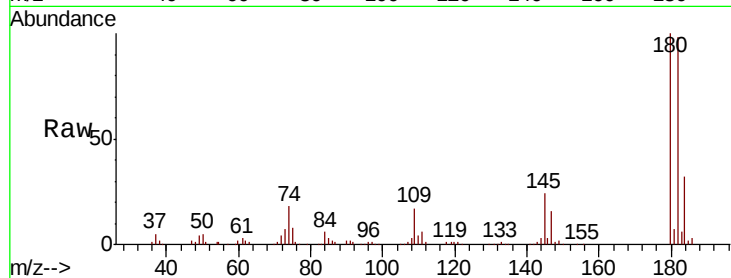




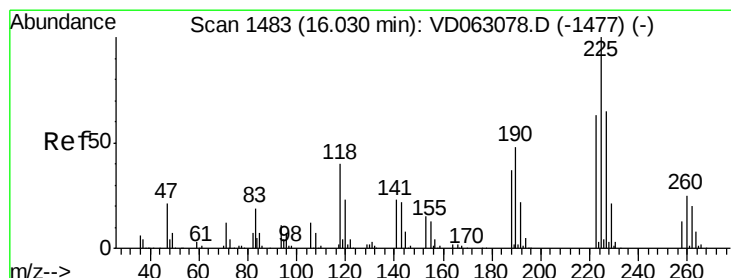
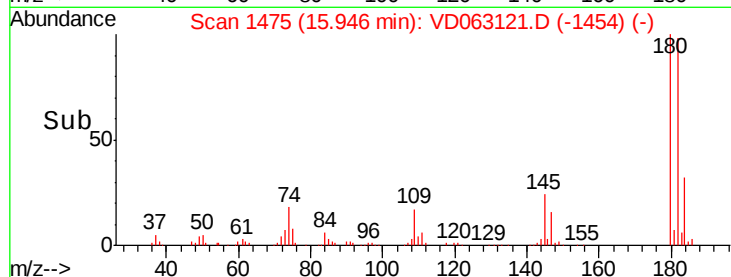
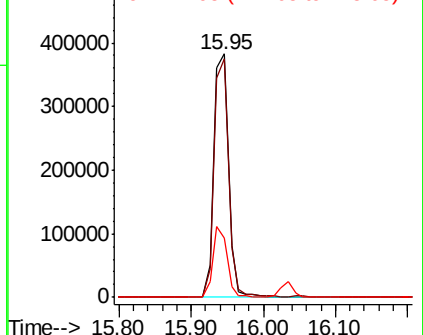
#93
 1,2,4-Trichlorobenzene
 Concen: 48.872 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 535605
 Ion Ratio Lower Upper
 180 100
 182 98.0 49.5 148.3
 145 24.3 12.8 38.4

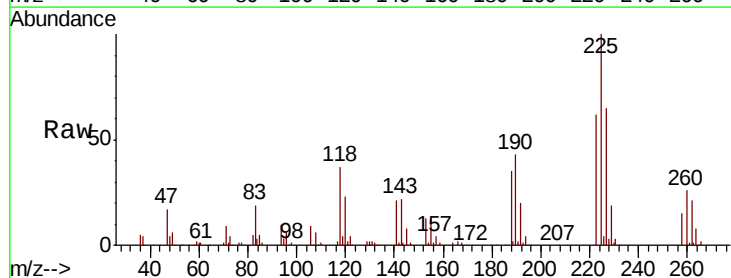


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

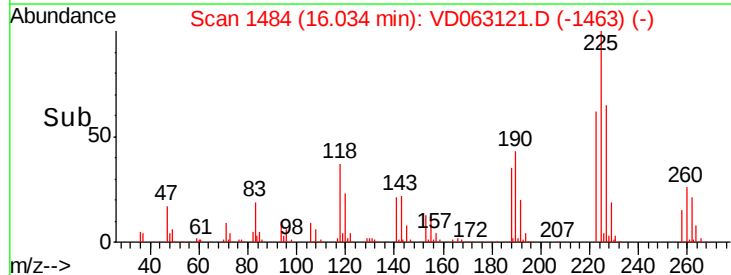
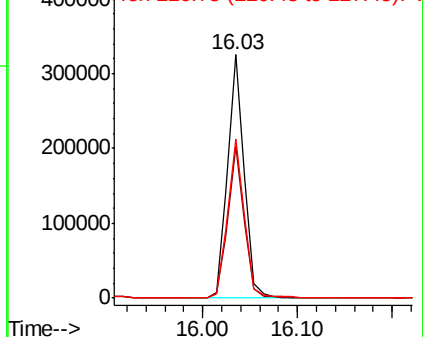


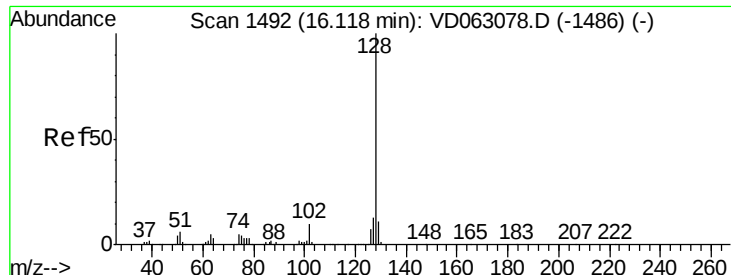
#94
 Hexachlorobutadiene
 Concen: 48.662 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion:225 Resp: 393087
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.4 94.2
 227 65.3 32.6 97.8



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

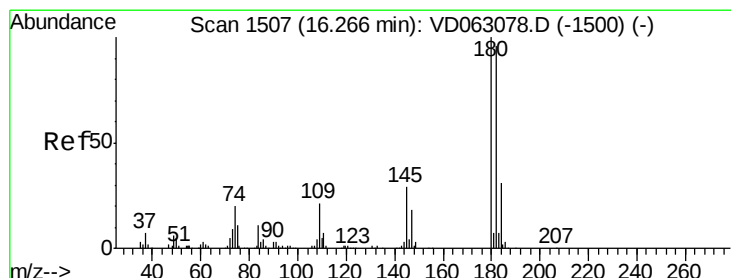
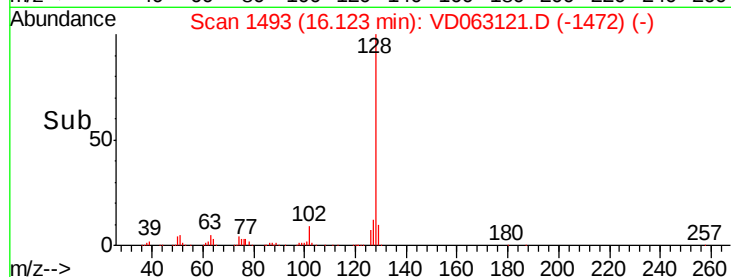
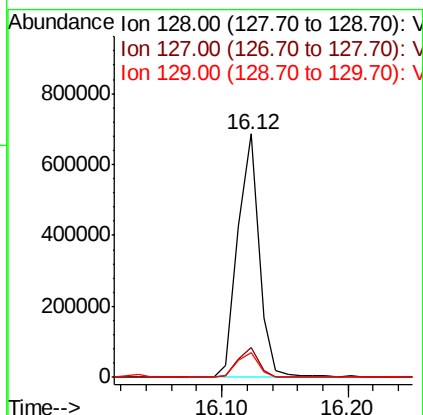
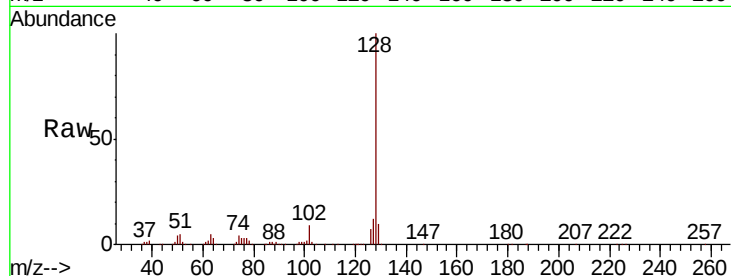




#95
Naphthalene
Concen: 49.990 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 801391
Ion Ratio Lower Upper
128 100
127 12.1 10.7 16.1
129 10.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 44.405 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion:180 Resp: 391482
Ion Ratio Lower Upper
180 100
182 96.8 47.9 143.6
145 27.5 14.4 43.4

