

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110819\
 Data File : VD064159.D
 Acq On : 08 Nov 2019 15:58
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 08 16:15:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	955209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1354399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1177640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	587169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	1114931	144.06	ug/l	0.00
Spiked Amount			Recovery	=	288.12%	
35) Dibromofluoromethane	7.92	113	1096301	132.11	ug/l	0.00
Spiked Amount			Recovery	=	264.22%	
50) Toluene-d8	10.34	98	4258513	128.99	ug/l	0.00
Spiked Amount			Recovery	=	257.98%	
62) 4-Bromofluorobenzene	12.64	95	1433627	131.03	ug/l	0.00
Spiked Amount			Recovery	=	262.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1110086	116.779	ug/l	99
3) Chloromethane	2.21	50	1144332	75.997	ug/l	98
4) Vinyl Chloride	2.36	62	1285114	79.017	ug/l	99
5) Bromomethane	2.75	94	825830	78.507	ug/l	97
6) Chloroethane	2.92	64	808673	79.722	ug/l	100
7) Trichlorofluoromethane	3.27	101	2057011	90.403	ug/l	100
8) Diethyl Ether	3.71	74	565878	133.271	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	1172488	134.327	ug/l	99
10) Methyl Iodide	4.30	142	1465514	138.260	ug/l	99
11) Tert butyl alcohol	5.25	59	384924	893.853	ug/l	96
12) 1,1-Dichloroethene	4.06	96	1124444	135.165	ug/l	97
13) Acrolein	3.93	56	367608	743.245	ug/l	100
14) Allyl chloride	4.71	41	1999297	189.433	ug/l	99
15) Acrylonitrile	5.43	53	1222604	768.904	ug/l	99
16) Acetone	4.17	43	1351761	897.157	ug/l	98
17) Carbon Disulfide	4.40	76	3554285	138.920	ug/l	99
18) Methyl Acetate	4.73	43	713171	174.840	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	2728670	157.304	ug/l	98
20) Methylene Chloride	4.97	84	1173797	114.193	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	1288722	138.262	ug/l	98
22) Diisopropyl ether	6.37	45	3704737	165.312	ug/l	98
23) Vinyl Acetate	6.31	43	10710433	868.763	ug/l	98
24) 1,1-Dichloroethane	6.27	63	2161583	146.588	ug/l	99
25) 2-Butanone	7.23	43	1716515	829.914	ug/l	98
26) 2,2-Dichloropropane	7.21	77	2073180	147.467	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	1394550	134.719	ug/l	97
28) Bromochloromethane	7.55	49	835670	157.586	ug/l	100
29) Tetrahydrofuran	7.57	42	1023490	841.147	ug/l	99
30) Chloroform	7.71	83	2195168	132.291	ug/l	100
31) Cyclohexane	7.98	56	2067909	143.253	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	2093448	135.277	ug/l	100
36) 1,1-Dichloropropene	8.11	75	1773141	138.874	ug/l	100
37) Ethyl Acetate	7.30	43	737608	178.906	ug/l	98
38) Carbon Tetrachloride	8.10	117	1943424	140.688	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	2270282	146.338	ug/l	98
40) Benzene	8.36	78	4888873	141.106	ug/l	97
41) Methacrylonitrile	7.53	41	494057	200.082	ug/l	96
42) 1,2-Dichloroethane	8.43	62	1448031	155.632	ug/l	100
43) Isopropyl Acetate	8.46	43	1539173	182.753	ug/l	100
44) Trichloroethene	9.11	130	1451228	138.846	ug/l	100
45) 1,2-Dichloropropane	9.39	63	1178702	145.270	ug/l	96
46) Dibromomethane	9.48	93	634585	133.222	ug/l	98
47) Bromodichloromethane	9.67	83	1708615	140.920	ug/l	98
48) Methyl methacrylate	9.46	41	729383	186.617	ug/l	99
49) 1,4-Dioxane	9.47	88	148169	2754.882	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	3642321	823.115	ug/l	100
52) Toluene	10.40	92	3257910	136.169	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	1739953	152.560	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	2004940	148.953	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	863196	128.963	ug/l	98
56) Ethyl methacrylate	10.67	69	1204004	159.613	ug/l	99
57) 1,3-Dichloropropane	10.95	76	1524867	136.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	2316455	751.988	ug/l	99
59) 2-Hexanone	10.99	43	2634444	840.306	ug/l	99
60) Dibromochloromethane	11.14	129	1211007	132.979	ug/l	100
61) 1,2-Dibromoethane	11.25	107	879234	131.751	ug/l	100
64) Tetrachloroethene	10.88	164	1273335	147.779	ug/l	98
65) Chlorobenzene	11.67	112	3413201	140.311	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	1310996	143.483	ug/l	99
67) Ethyl Benzene	11.75	91	6102370	140.625	ug/l	98
68) m/p-Xylenes	11.86	106	4767710	275.614	ug/l	96
69) o-Xylene	12.18	106	2209016	139.706	ug/l	99
70) Styrene	12.20	104	3873951	142.387	ug/l	100
71) Bromoform	12.37	173	755422	152.996	ug/l	100
73) Isopropylbenzene	12.48	105	5984642	144.060	ug/l	99
74) N-amyl acetate	12.29	43	1381840	187.768	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	900799	138.328	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	1259618	309.466	ug/l #	100
77) Bromobenzene	12.76	156	1478874	146.915	ug/l	100
78) n-propylbenzene	12.83	91	6804375	140.314	ug/l	98
79) 2-Chlorotoluene	12.91	91	3874333	147.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	4963364	143.679	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	342039	169.569	ug/l	96
82) 4-Chlorotoluene	13.01	91	4102498	147.286	ug/l	100
83) tert-Butylbenzene	13.23	119	4312713	139.359	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	4968669	143.533	ug/l	99
85) sec-Butylbenzene	13.40	105	5869855	139.040	ug/l	100
86) p-Isopropyltoluene	13.52	119	5644927	142.426	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	2785649	140.902	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	2700135	137.790	ug/l	99
89) n-Butylbenzene	13.85	91	5051193	138.471	ug/l	99
90) Hexachloroethane	14.11	117	1047150	140.444	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	2372487	139.341	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	159549	162.222	ug/l	99

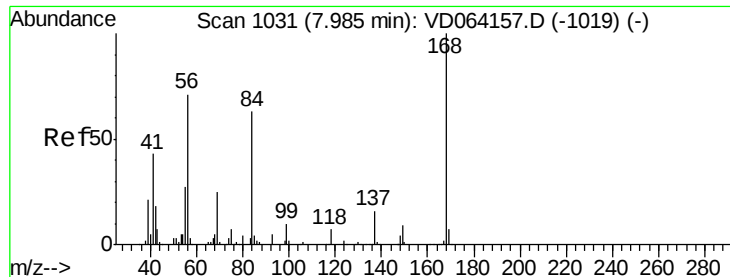
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	1829254	147.849	ug/l	99
94) Hexachlorobutadiene	15.27	225	1153205	156.772	ug/l	99
95) Naphthalene	15.41	128	2995448	148.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	1555426	144.821	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

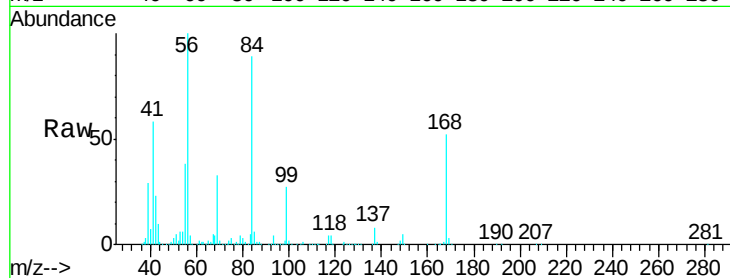
VSTDIC150

Tgt Ion:168 Resp: 955209

Ion Ratio Lower Upper

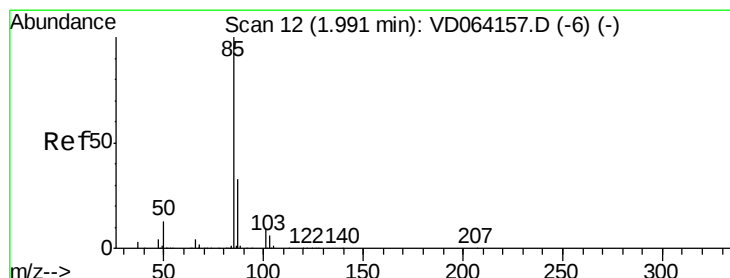
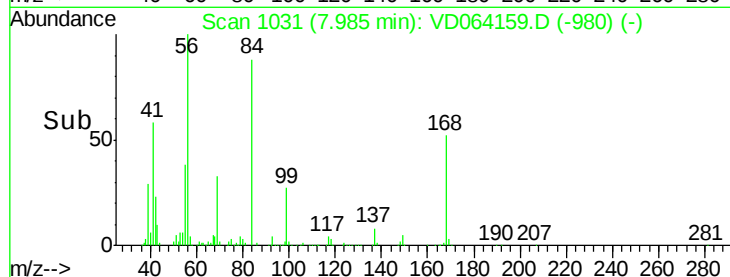
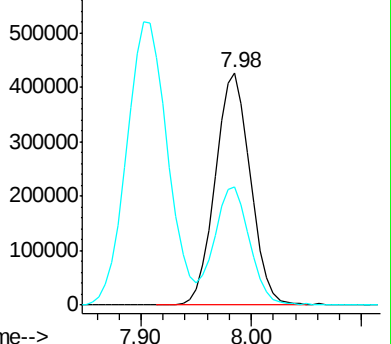
168 100

99 50.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 116.779 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064159.D

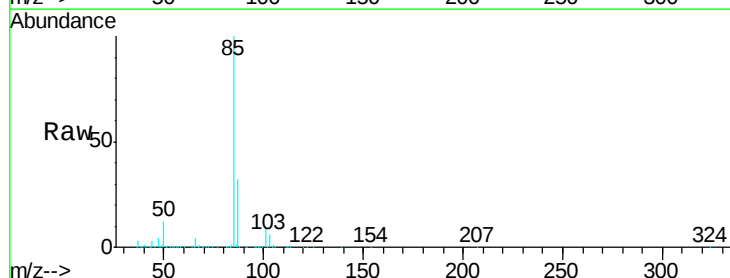
Acq: 08 Nov 2019 15:58

Tgt Ion: 85 Resp: 1110086

Ion Ratio Lower Upper

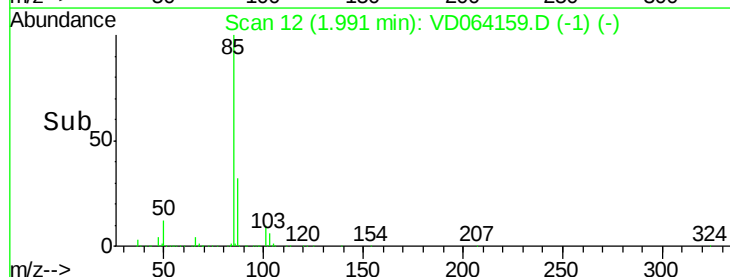
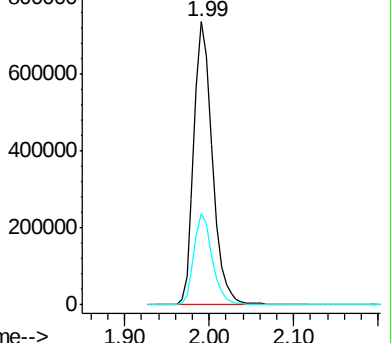
85 100

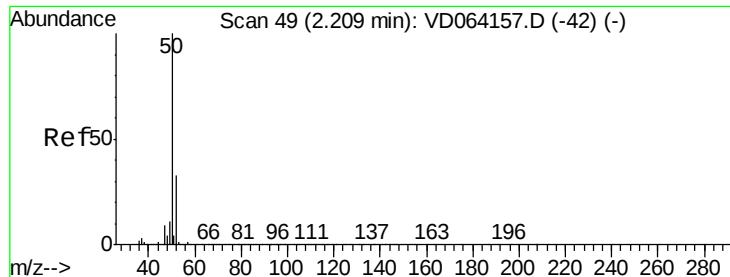
87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 75.997 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

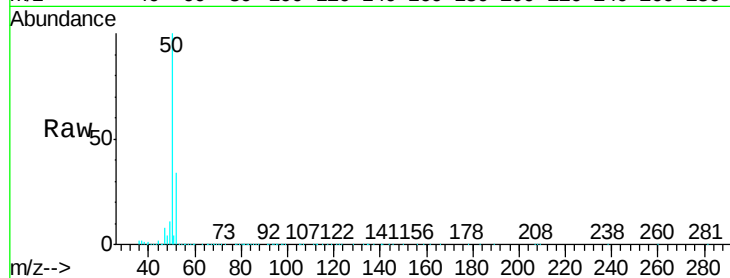
VSTDIC150

Tgt Ion: 50 Resp: 1144332

Ion Ratio Lower Upper

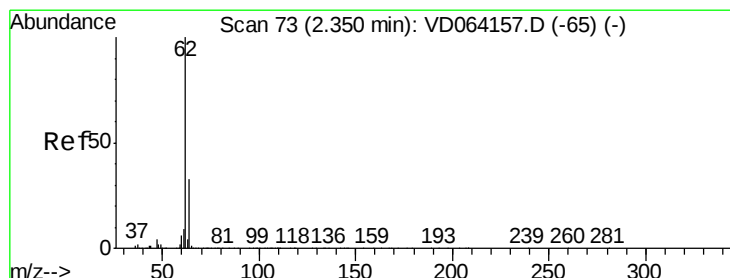
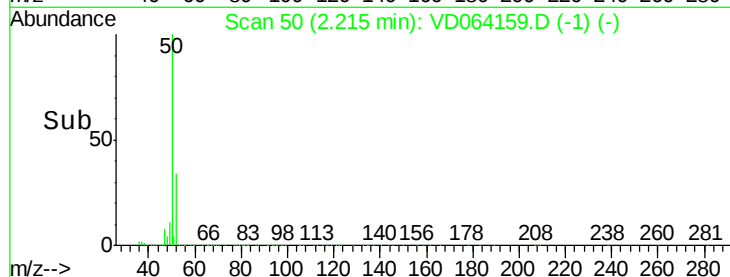
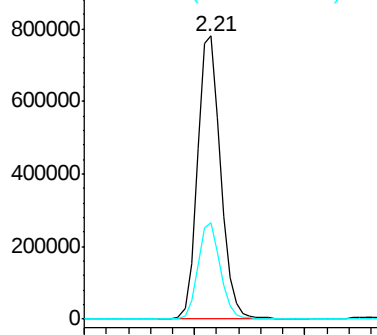
50 100

52 33.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 79.017 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064159.D

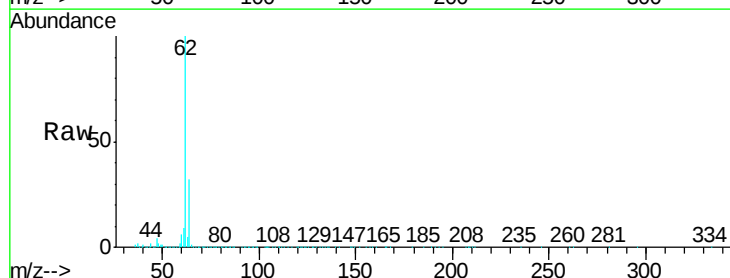
Acq: 08 Nov 2019 15:58

Tgt Ion: 62 Resp: 1285114

Ion Ratio Lower Upper

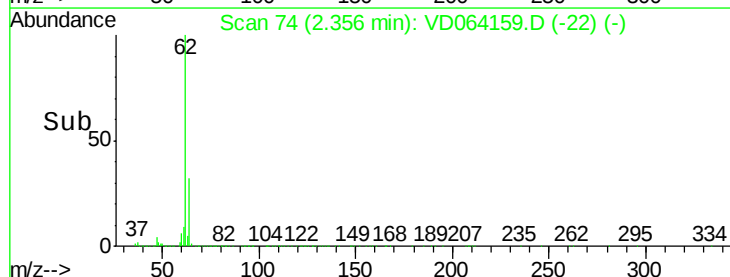
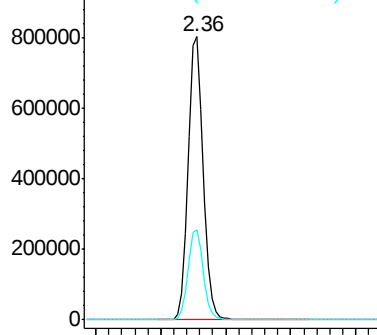
62 100

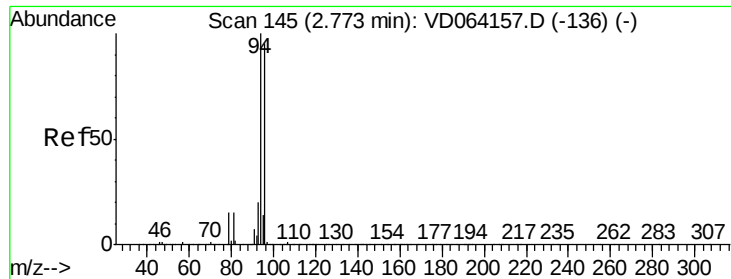
64 32.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 78.507 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

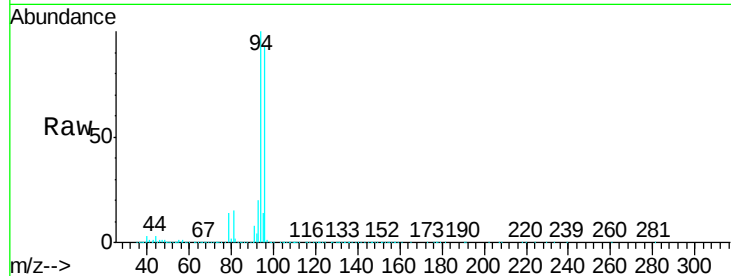
VSTDIC150

Tgt Ion: 94 Resp: 825830

Ion Ratio Lower Upper

94 100

96 92.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

400000

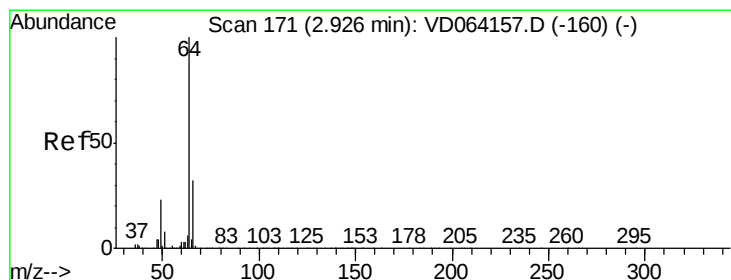
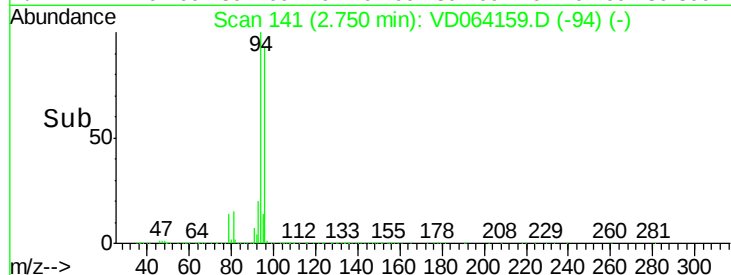
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 79.722 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064159.D

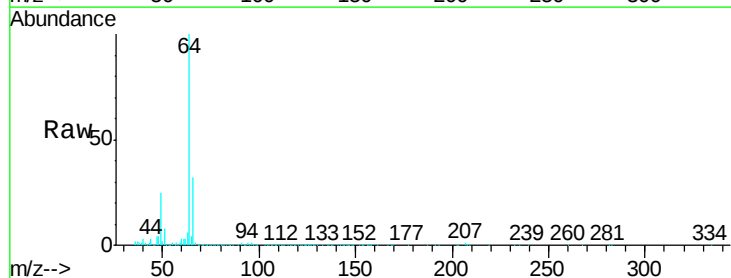
Acq: 08 Nov 2019 15:58

Tgt Ion: 64 Resp: 808673

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

400000

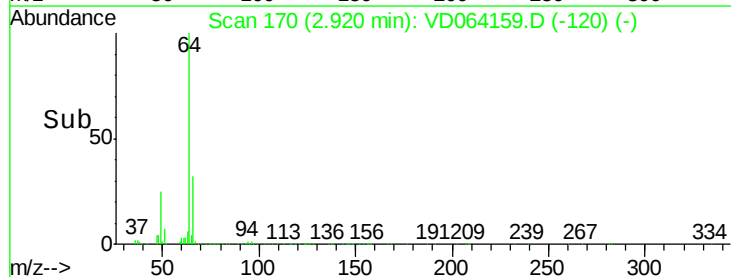
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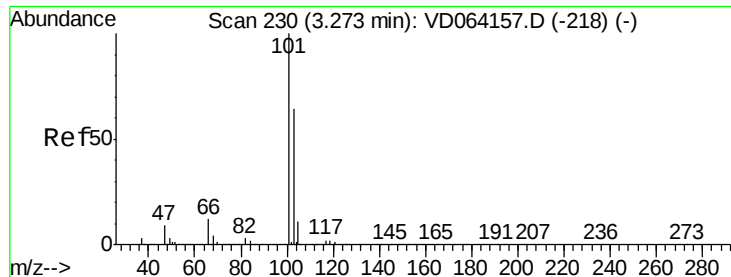
200000

100000

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Time-->



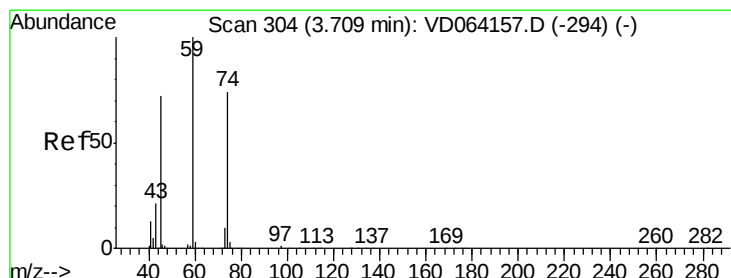
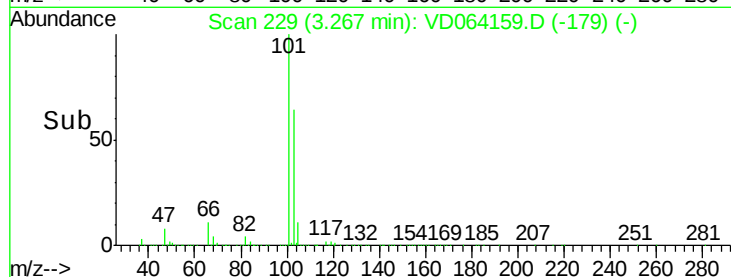
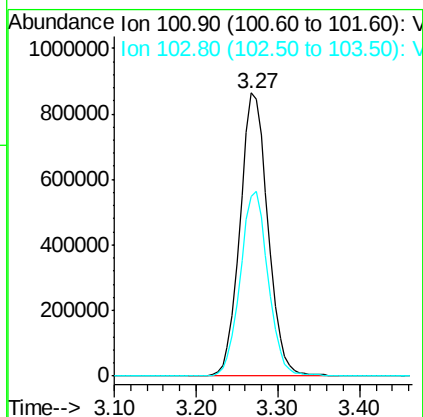
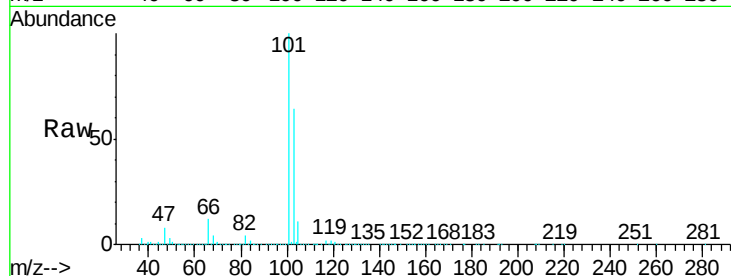


#7

Trichlorofluoromethane
Concen: 90.403 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
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VSTDIC150

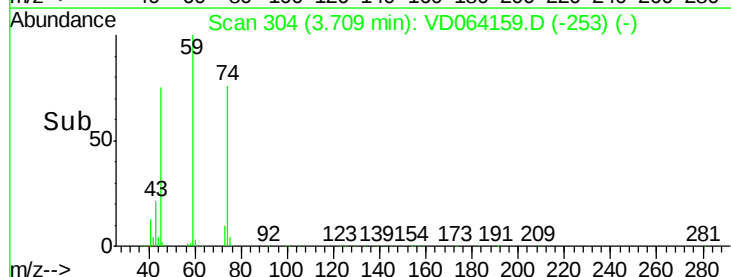
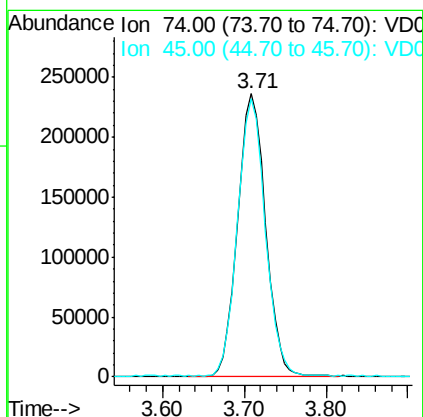
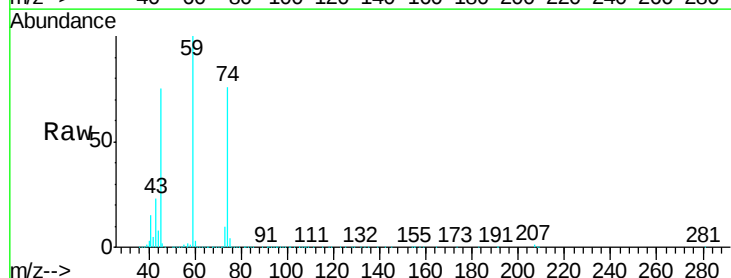
Tgt Ion:101 Resp: 2057011
Ion Ratio Lower Upper
101 100
103 63.6 50.8 76.2



#8

Diethyl Ether
Concen: 133.271 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 74 Resp: 565878
Ion Ratio Lower Upper
74 100
45 96.6 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.327 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

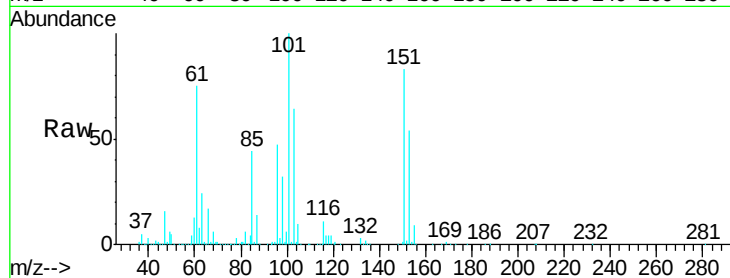
Tgt Ion:101 Resp: 1172488

Ion Ratio Lower Upper

101 100

85 43.3 34.4 51.6

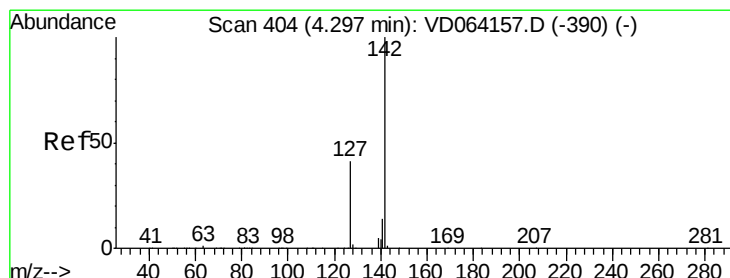
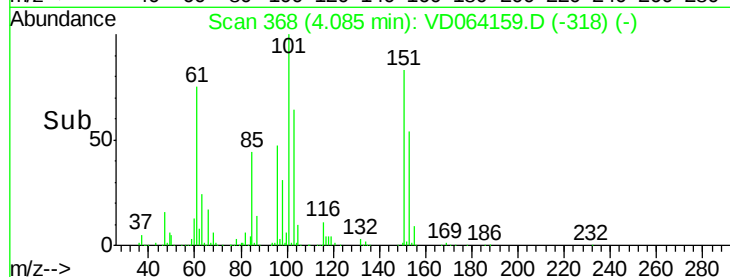
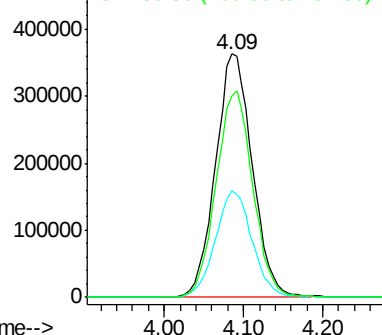
151 84.2 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 138.260 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

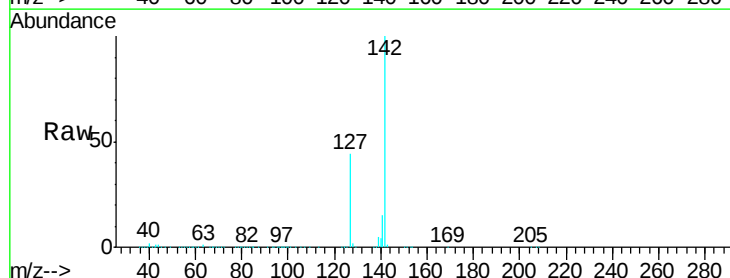
Tgt Ion:142 Resp: 1465514

Ion Ratio Lower Upper

142 100

127 42.6 34.4 51.6

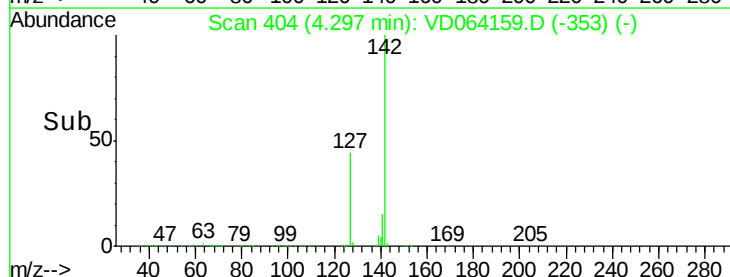
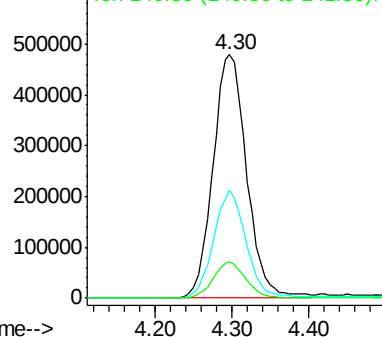
141 14.5 11.2 16.8

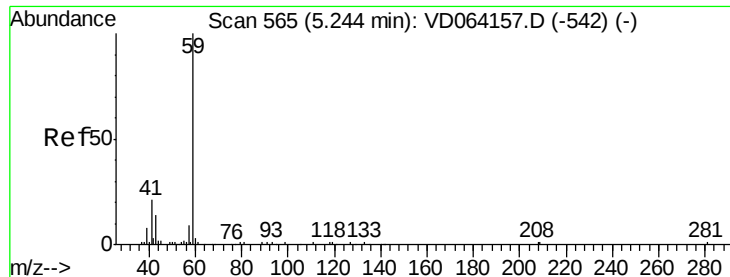


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



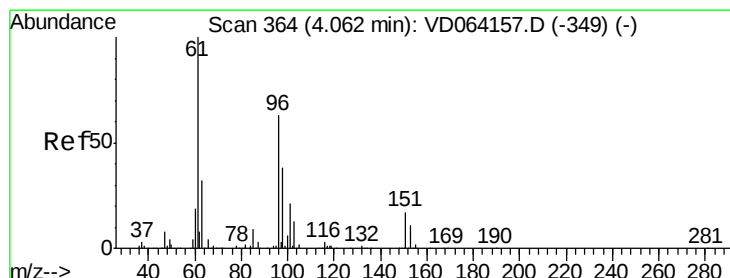
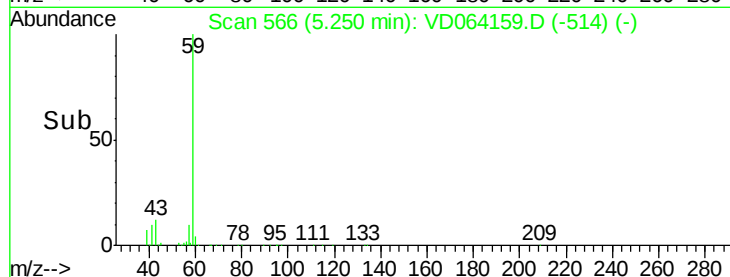
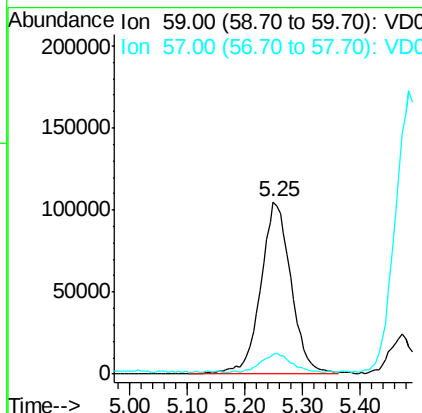
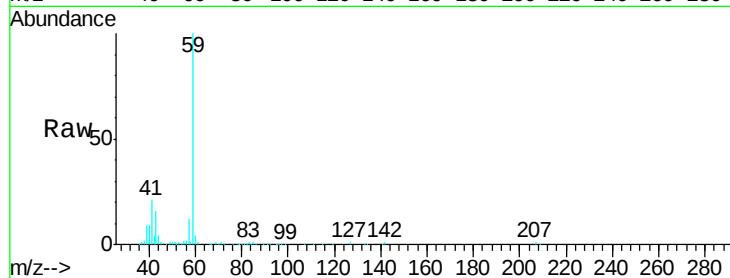


#11

Tert butyl alcohol
Concen: 893.853 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

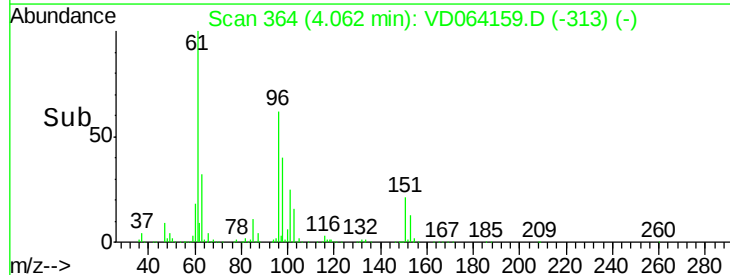
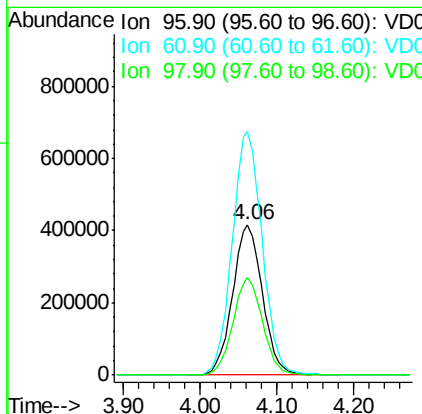
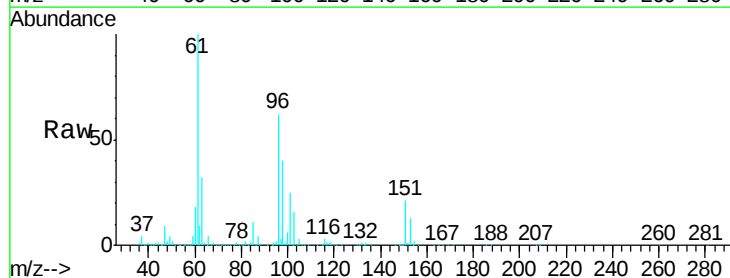
Tgt Ion: 59 Resp: 384924
Ion Ratio Lower Upper
59 100
57 10.3 9.4 14.2

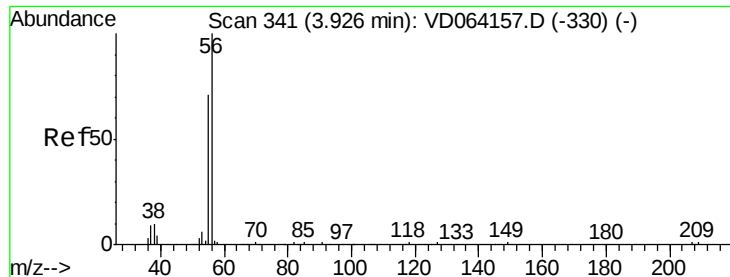


#12

1,1-Dichloroethene
Concen: 135.165 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 96 Resp: 1124444
Ion Ratio Lower Upper
96 100
61 161.7 127.4 191.2
98 64.5 48.1 72.1





#13

Acrolein

Concen: 743.245 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

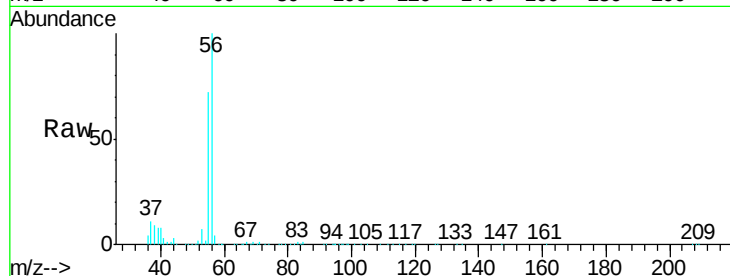
VSTDIC150

Tgt Ion: 56 Resp: 367608

Ion Ratio Lower Upper

56 100

55 70.2 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

150000

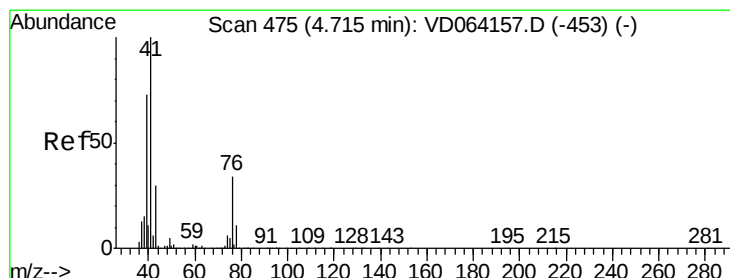
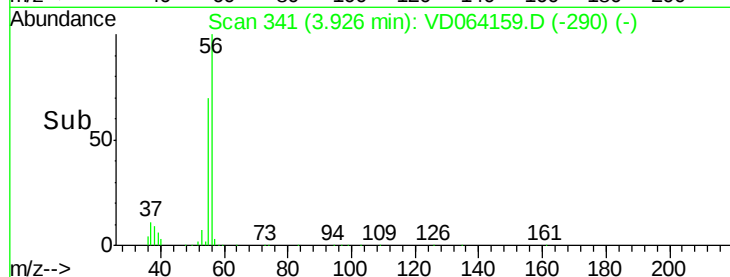
100000

50000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 189.433 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

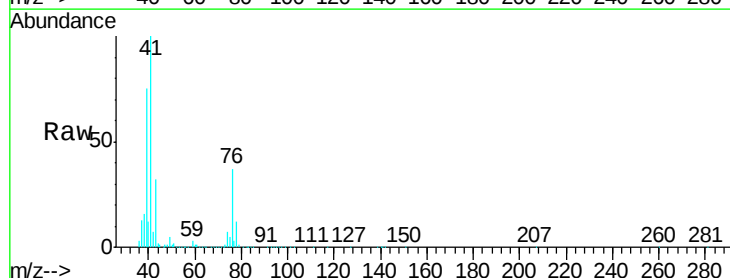
Tgt Ion: 41 Resp: 1999297

Ion Ratio Lower Upper

41 100

39 72.9 57.5 86.3

76 34.0 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

800000

600000

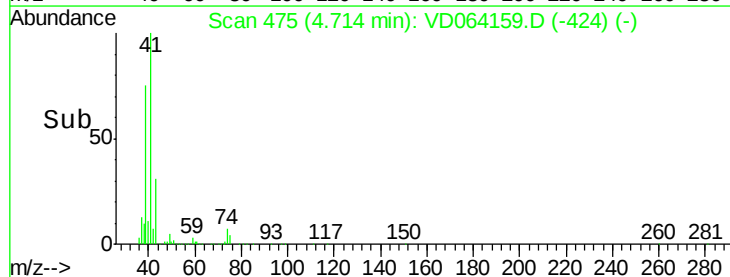
400000

200000

0

4.50 4.60 4.70 4.80 4.90

Time-->





#15

Acrylonitrile

Concen: 768.904 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

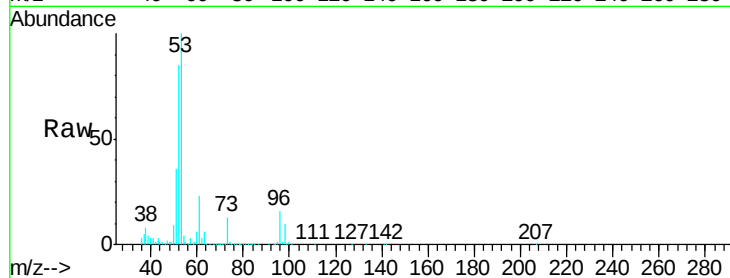
Tgt Ion: 53 Resp: 1222604

Ion Ratio Lower Upper

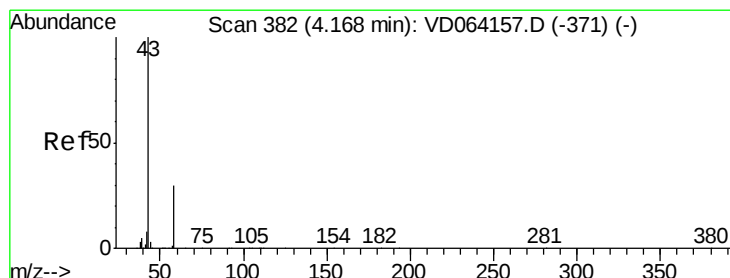
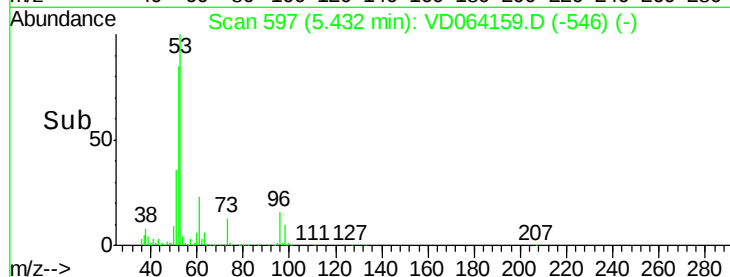
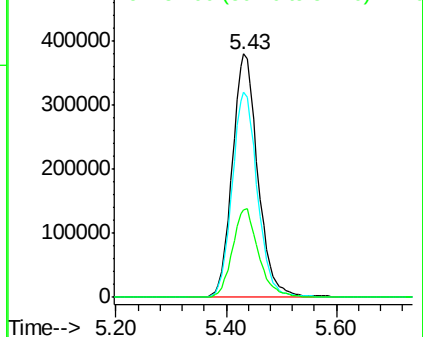
53 100

52 83.4 66.7 100.1

51 37.1 30.6 46.0



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: 897.157 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064159.D

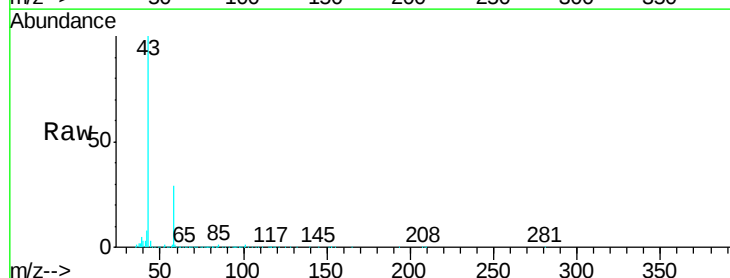
Acq: 08 Nov 2019 15:58

Tgt Ion: 43 Resp: 1351761

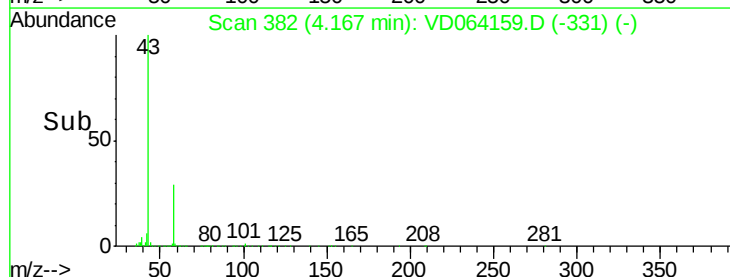
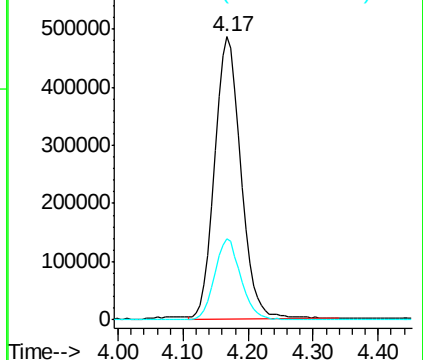
Ion Ratio Lower Upper

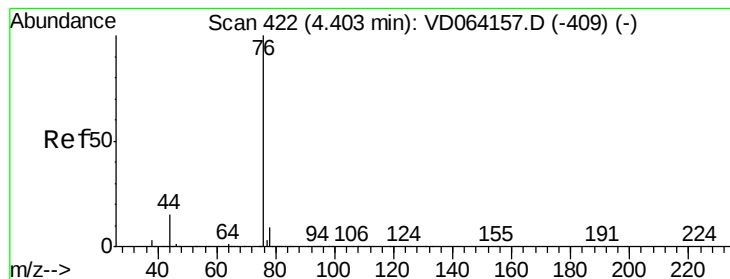
43 100

58 28.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 138.920 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

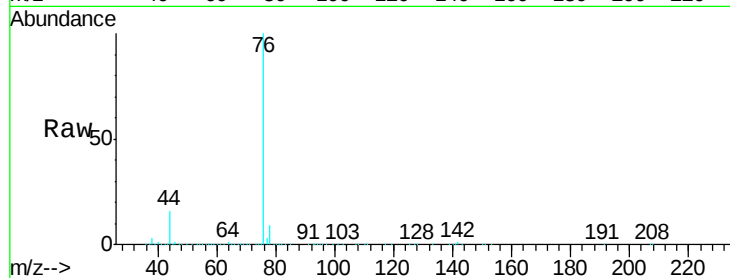
VSTDIC150

Tgt Ion: 76 Resp: 3554285

Ion Ratio Lower Upper

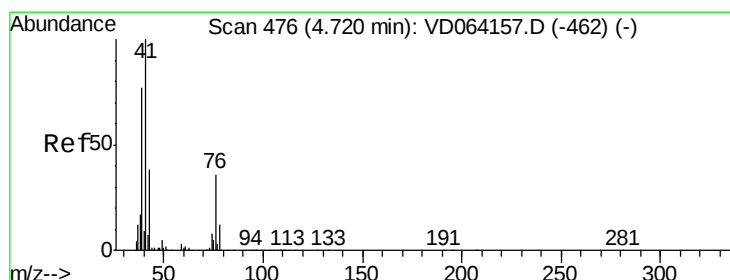
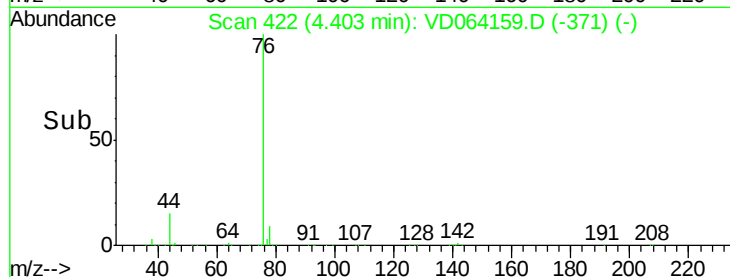
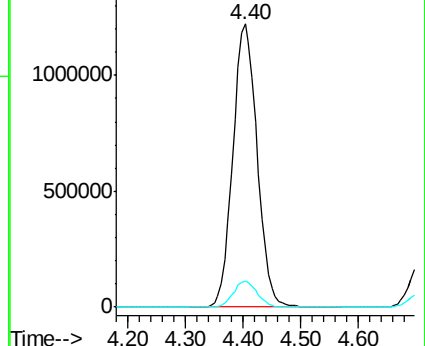
76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 174.840 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064159.D

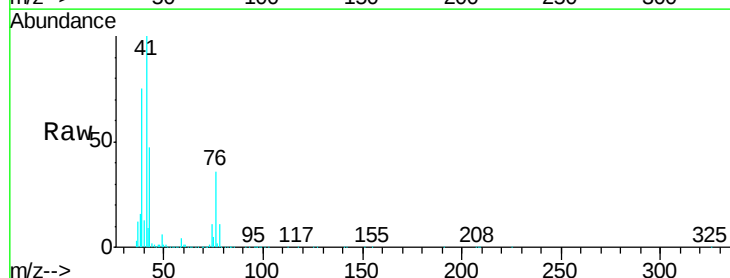
Acq: 08 Nov 2019 15:58

Tgt Ion: 43 Resp: 713171

Ion Ratio Lower Upper

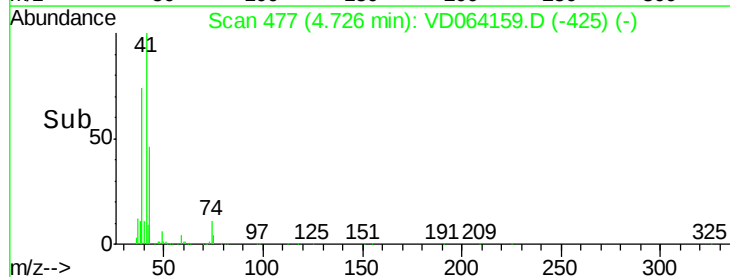
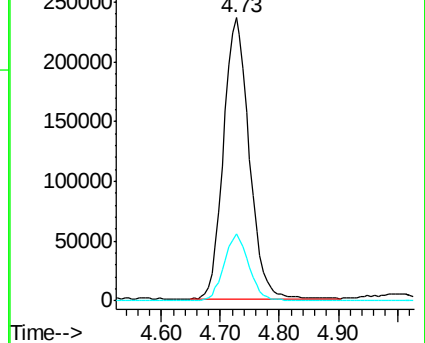
43 100

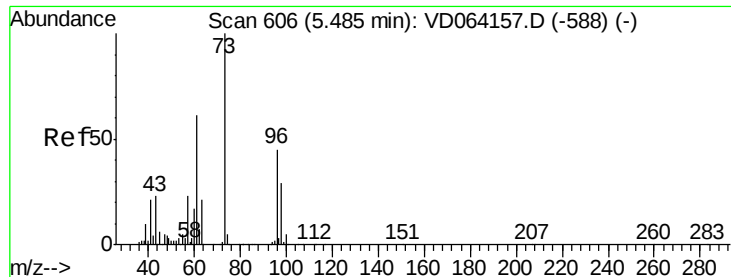
74 23.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



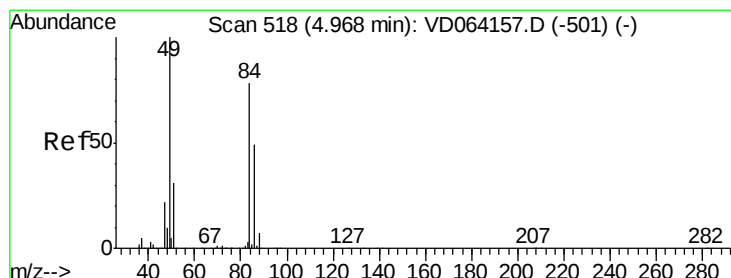
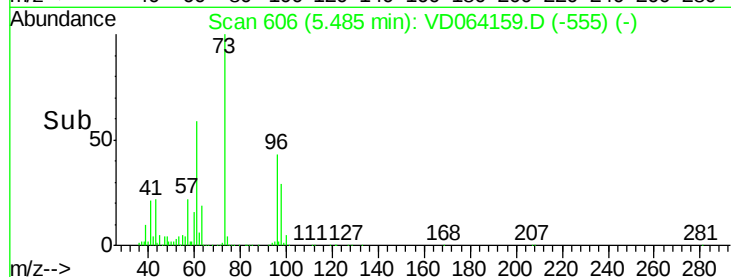
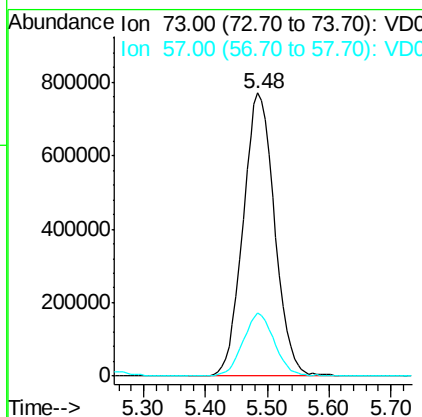
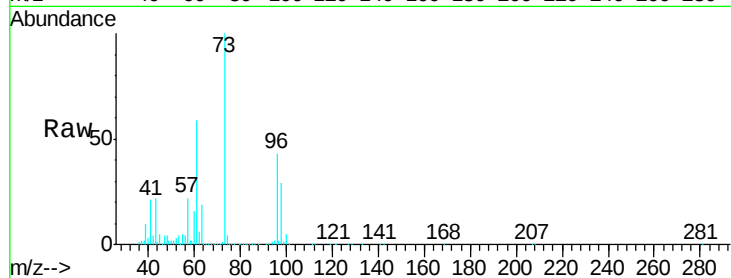


#19

Methyl tert-butyl Ether
Concen: 157.304 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

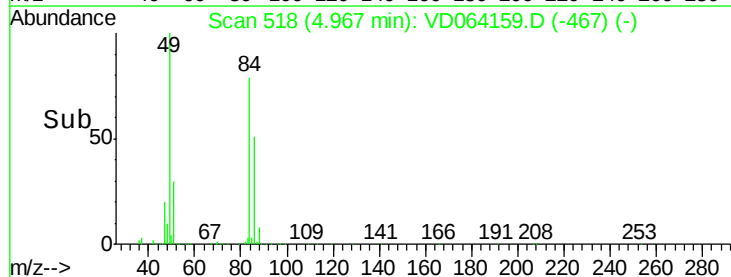
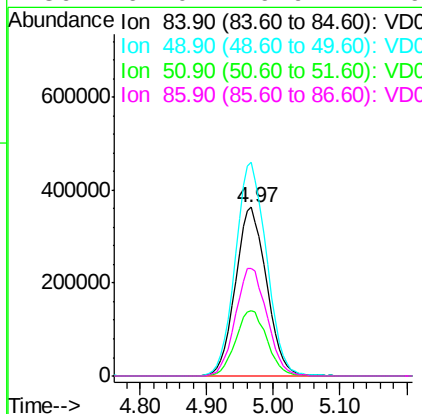
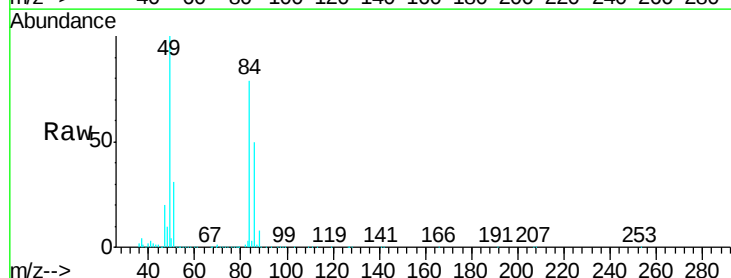
Tgt Ion: 73 Resp: 2728670
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6

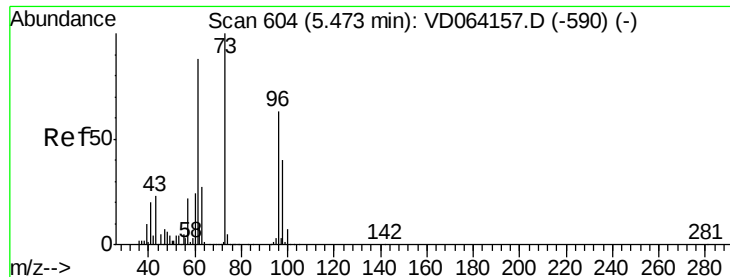


#20

Methylene Chloride
Concen: 114.193 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 84 Resp: 1173797
Ion Ratio Lower Upper
84 100
49 126.6 102.1 153.1
51 38.6 32.2 48.2
86 64.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 138.262 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

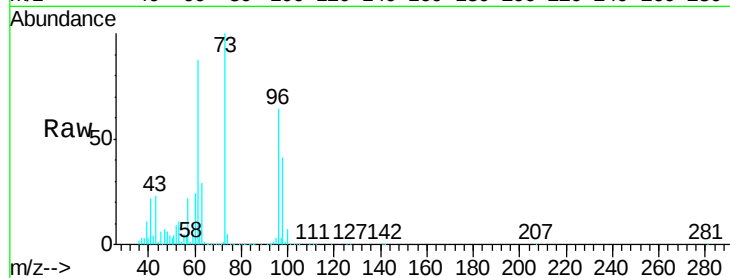
Tgt Ion: 96 Resp: 1288722

Ion Ratio Lower Upper

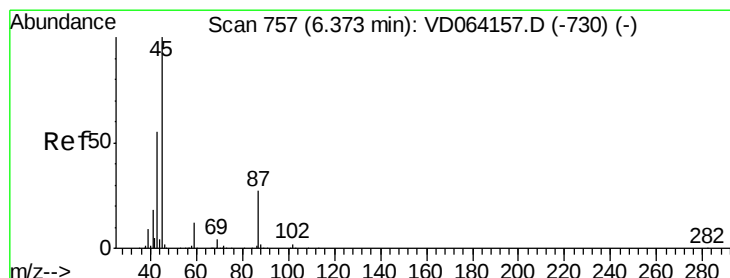
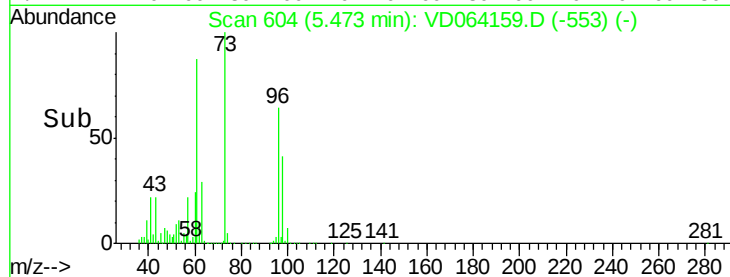
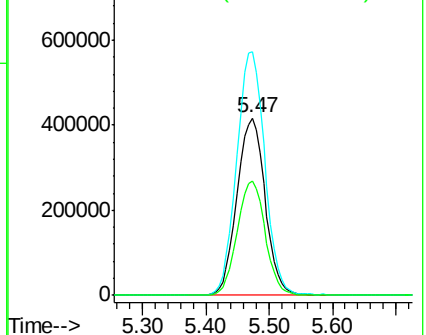
96 100

61 137.1 111.8 167.6

98 64.7 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 165.312 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Tgt Ion: 45 Resp: 3704737

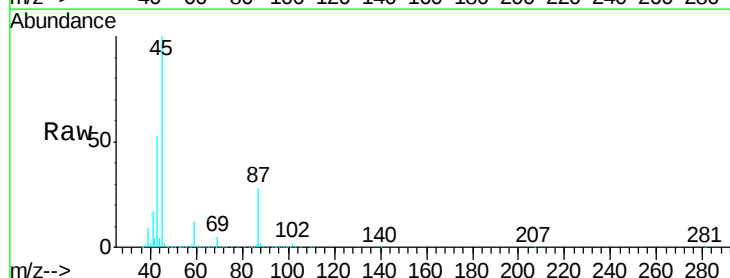
Ion Ratio Lower Upper

45 100

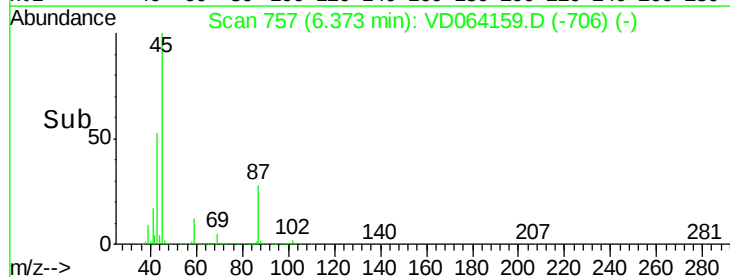
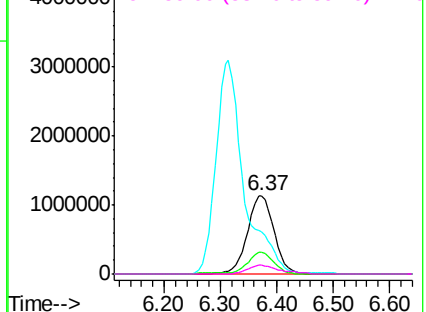
43 52.8 44.4 66.6

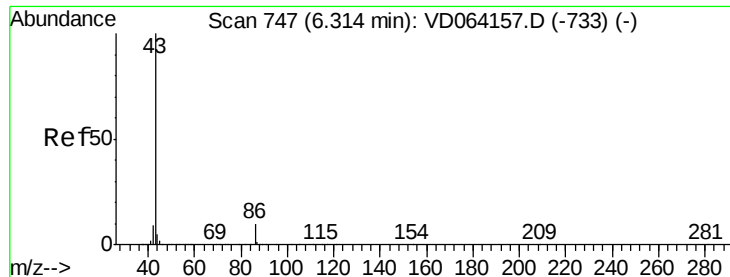
87 27.5 21.9 32.9

59 11.4 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 868.763 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

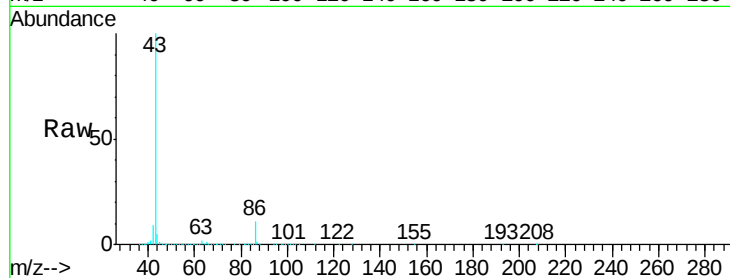
VSTDIC150

Tgt Ion: 43 Resp:10710433

Ion Ratio Lower Upper

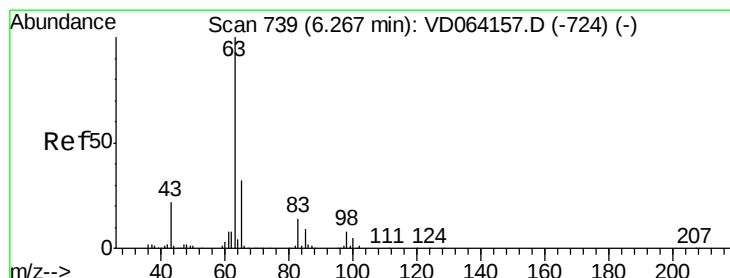
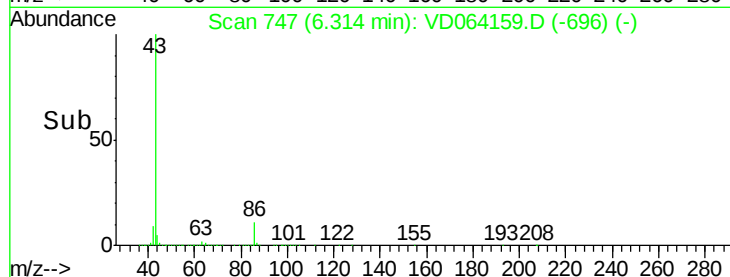
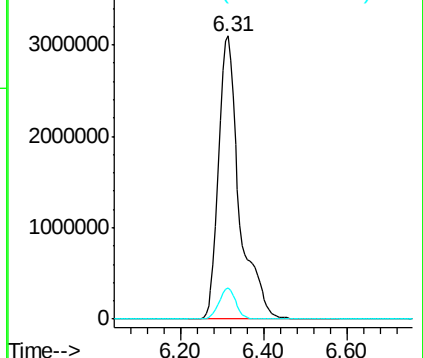
43 100

86 10.9 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 146.588 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

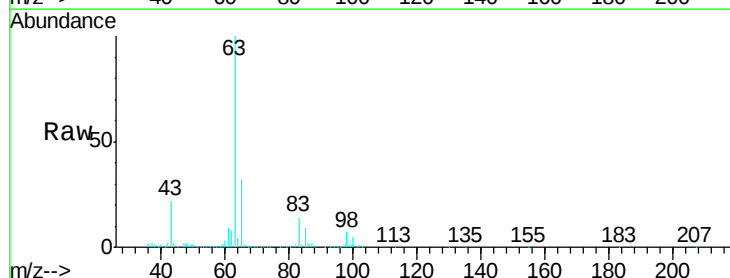
Tgt Ion: 63 Resp: 2161583

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

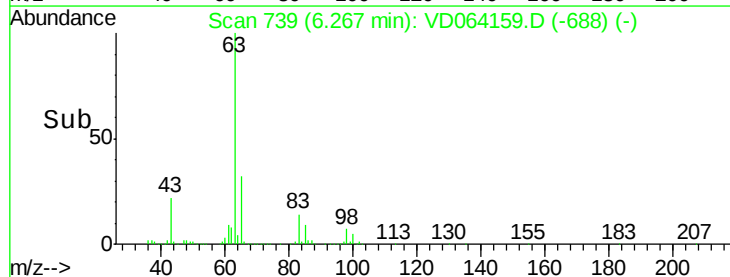
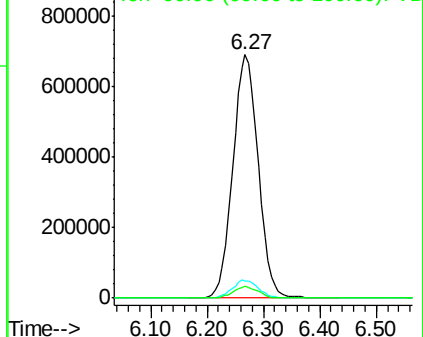
100 4.7 2.4 7.2

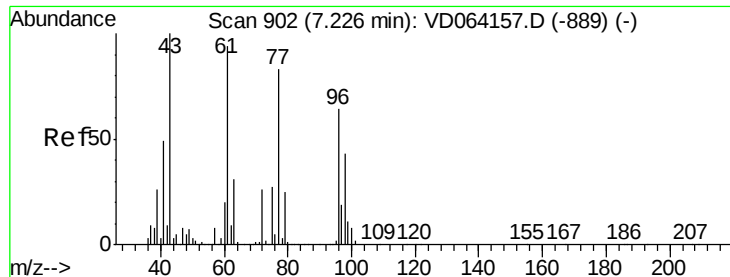


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 829.914 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

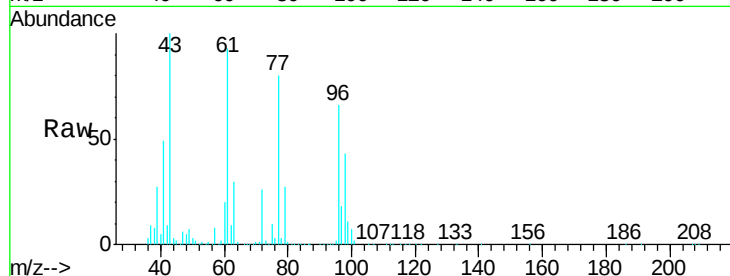
VSTDIC150

Tgt Ion: 43 Resp: 1716515

Ion Ratio Lower Upper

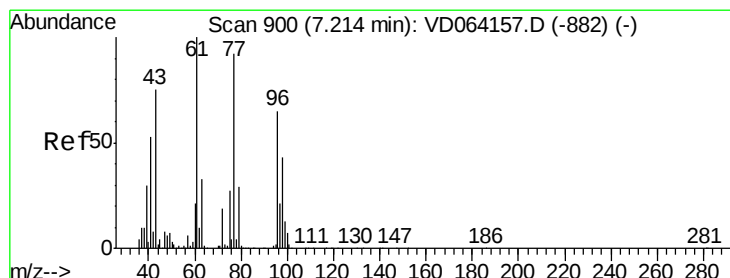
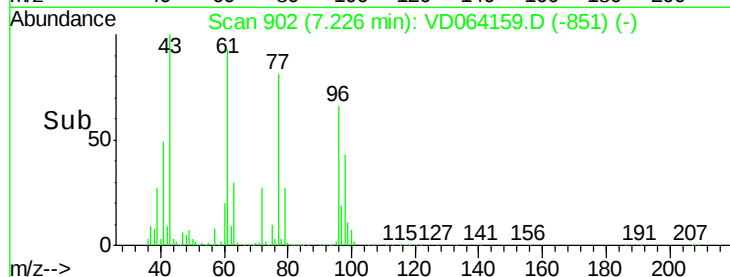
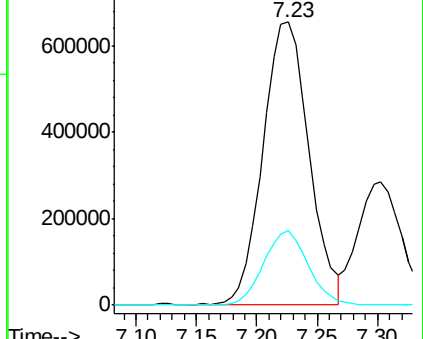
43 100

72 26.5 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 147.467 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064159.D

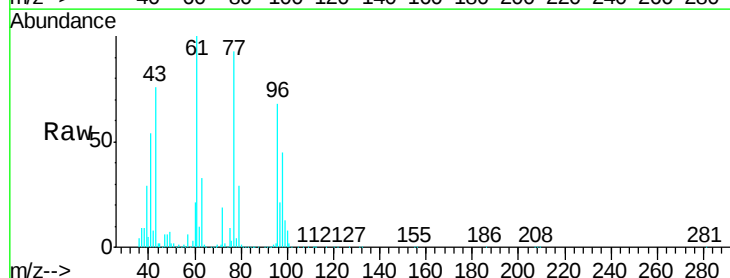
Acq: 08 Nov 2019 15:58

Tgt Ion: 77 Resp: 2073180

Ion Ratio Lower Upper

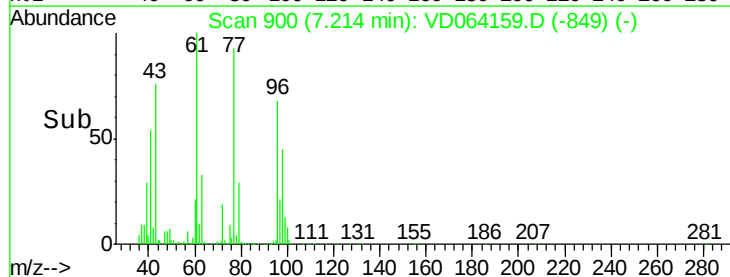
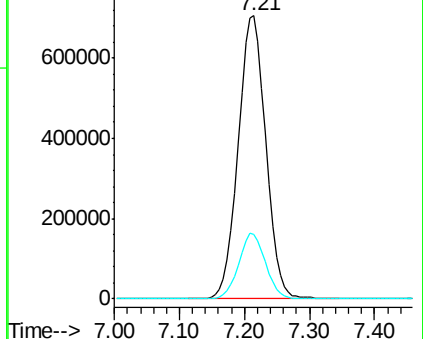
77 100

97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



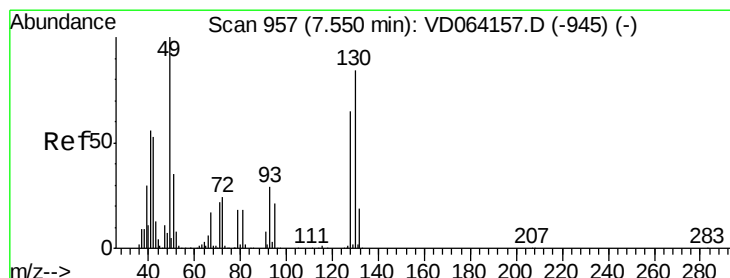
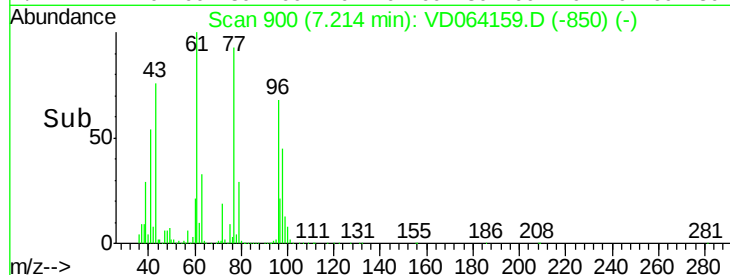
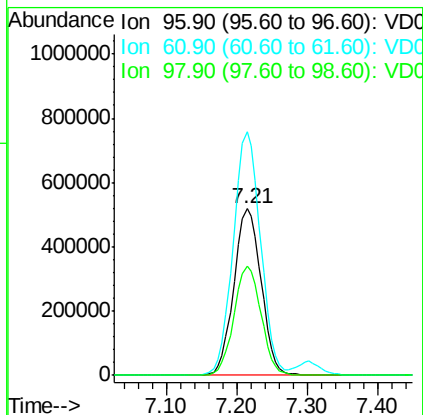
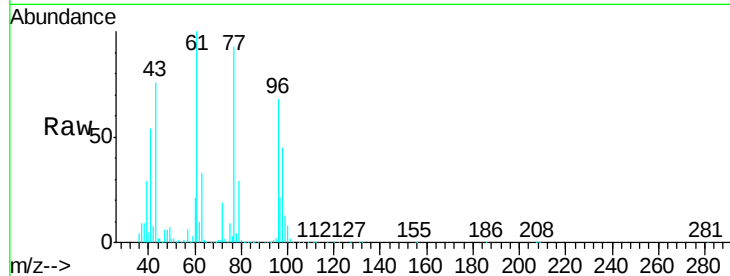


#27

cis-1,2-Dichloroethene
Concen: 134.719 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

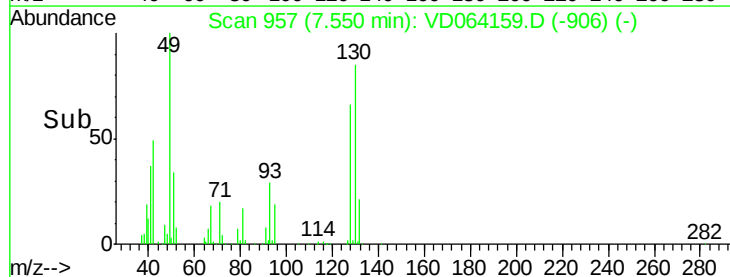
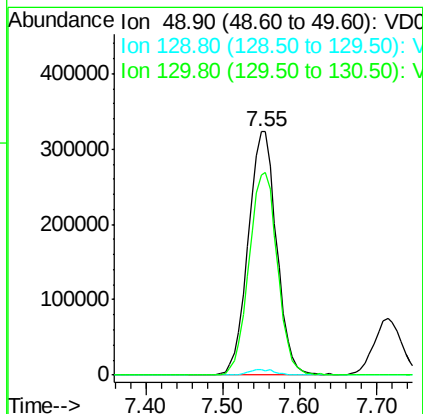
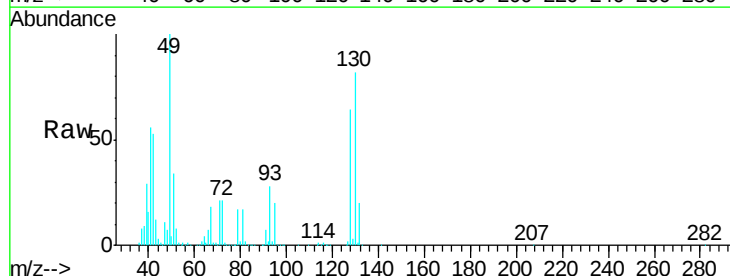
Tgt Ion: 96 Resp: 1394550
Ion Ratio Lower Upper
96 100
61 146.1 0.0 301.4
98 65.2 0.0 133.2

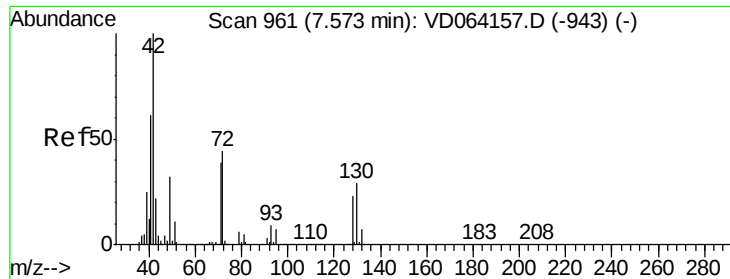


#28

Bromochloromethane
Concen: 157.586 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 49 Resp: 835670
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.4
130 83.5 66.8 100.2





#29

Tetrahydrofuran

Concen: 841.147 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

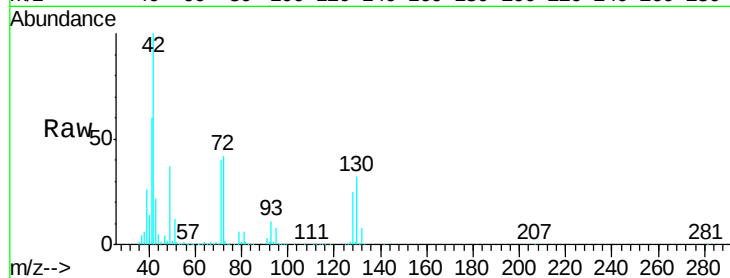
Tgt Ion: 42 Resp: 1023490

Ion Ratio Lower Upper

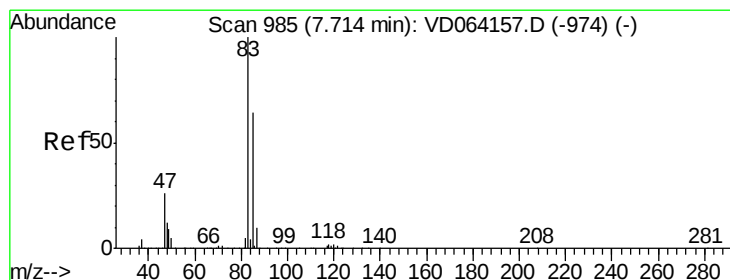
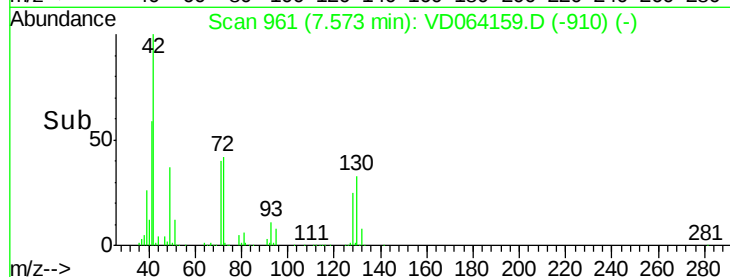
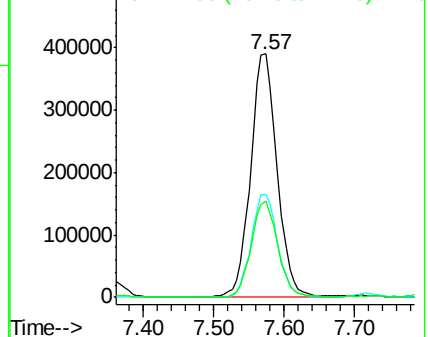
42 100

72 42.1 33.4 50.2

71 39.3 31.0 46.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 132.291 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064159.D

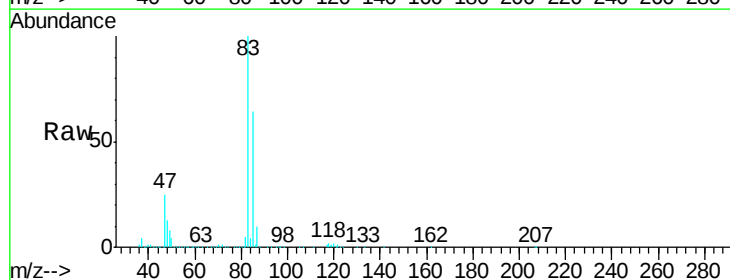
Acq: 08 Nov 2019 15:58

Tgt Ion: 83 Resp: 2195168

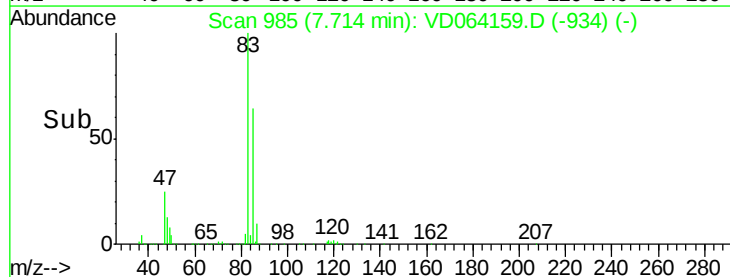
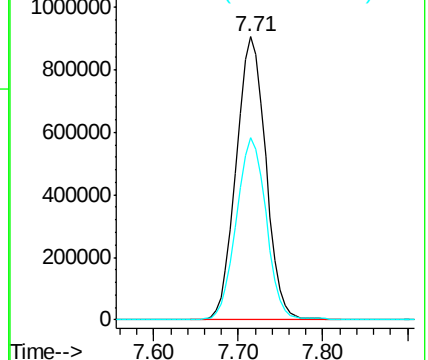
Ion Ratio Lower Upper

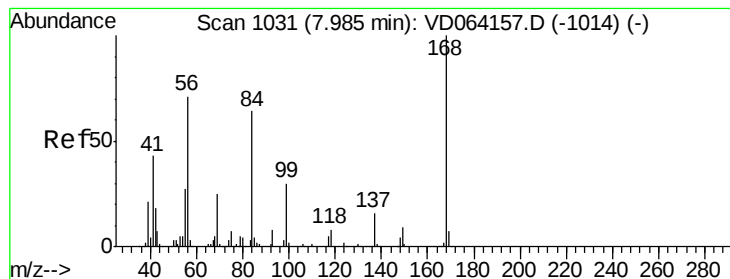
83 100

85 64.3 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 143.253 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

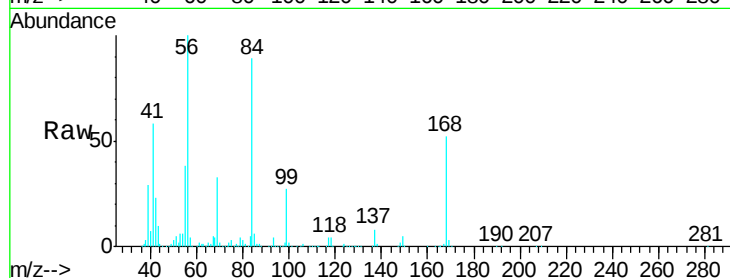
Tgt Ion: 56 Resp: 2067909

Ion Ratio Lower Upper

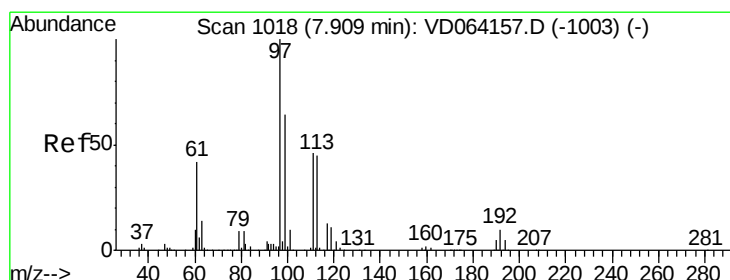
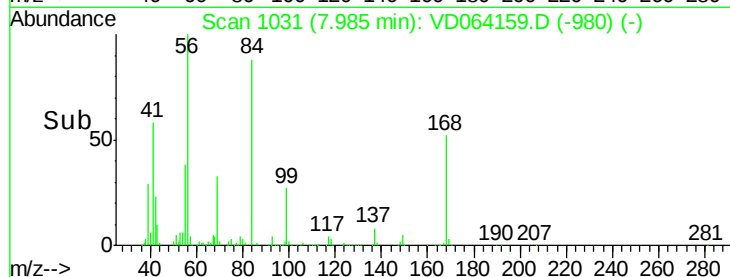
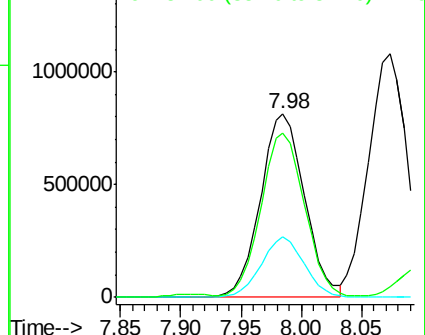
56 100

69 32.8 28.2 42.4

84 87.3 71.8 107.6



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 135.277 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

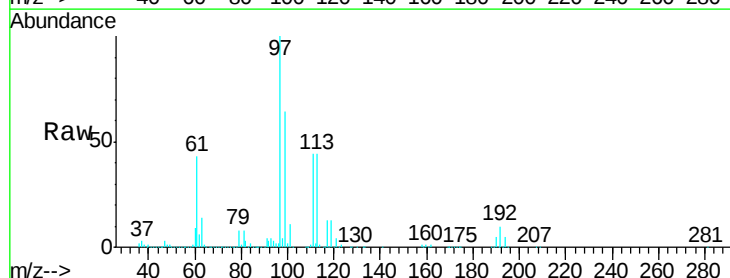
Tgt Ion: 97 Resp: 2093448

Ion Ratio Lower Upper

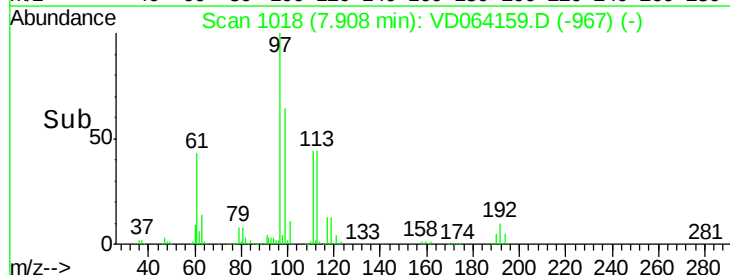
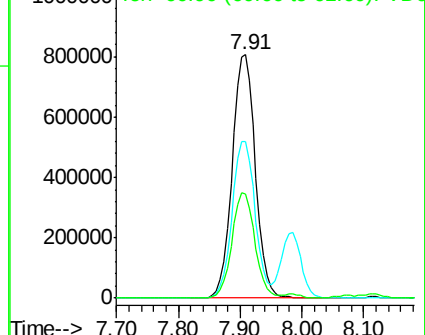
97 100

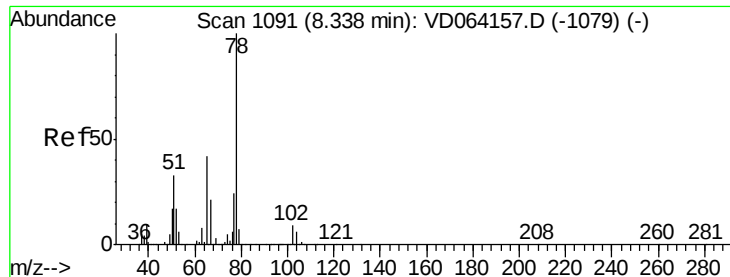
99 64.6 51.6 77.4

61 43.0 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

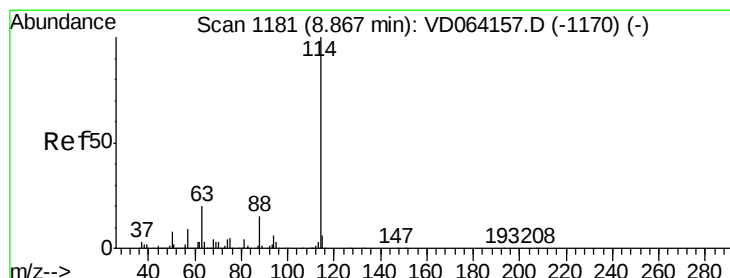
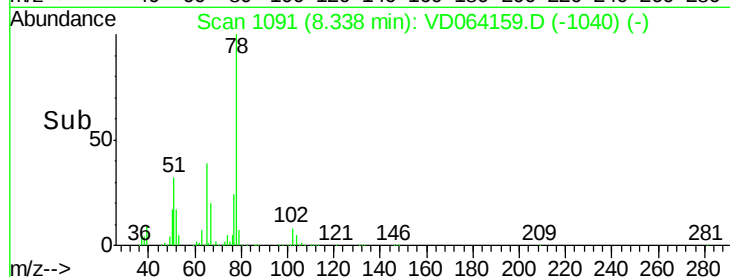
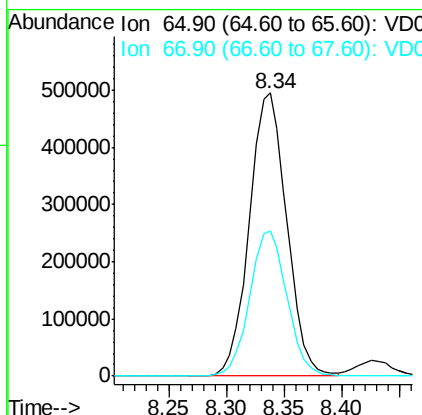
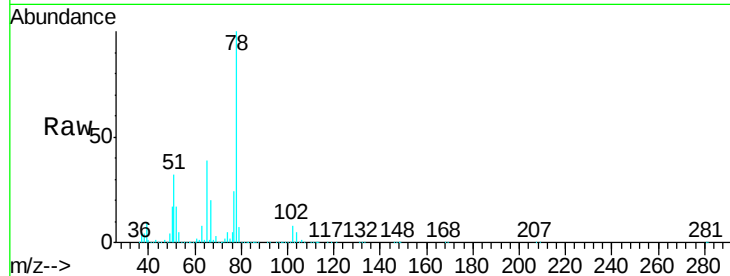




#33
 1,2-Dichloroethane-d4
 Concen: 144.055 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

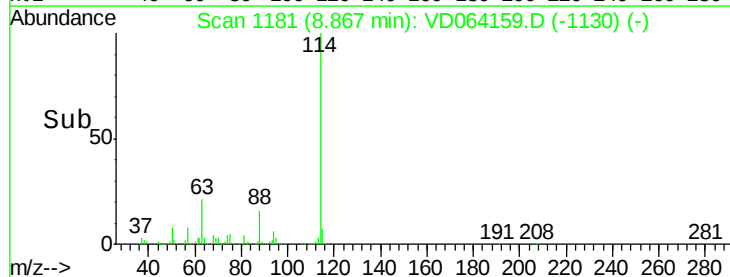
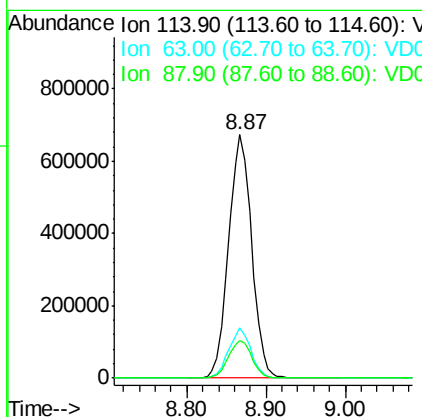
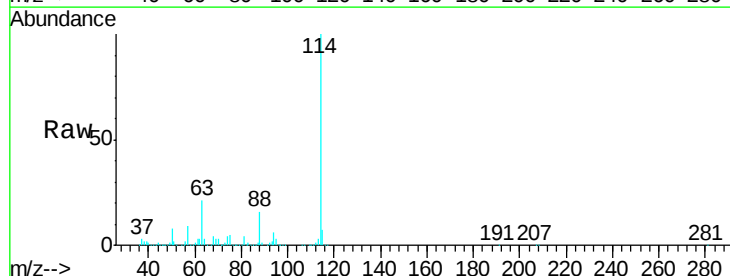
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

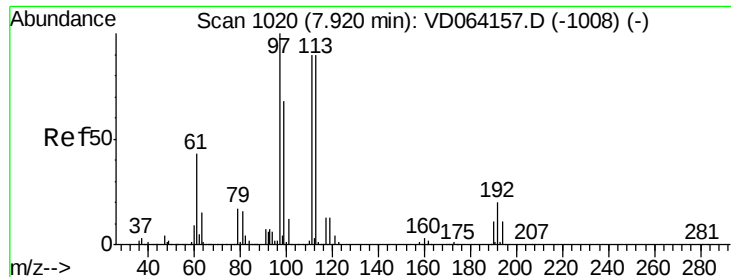
Tgt Ion: 65 Resp: 1114931
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion: 114 Resp: 1354399
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.0
 88 15.6 0.0 30.2

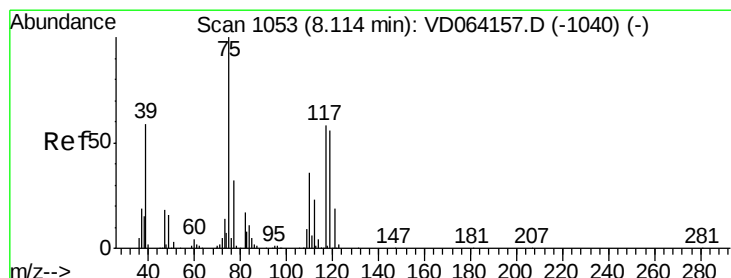
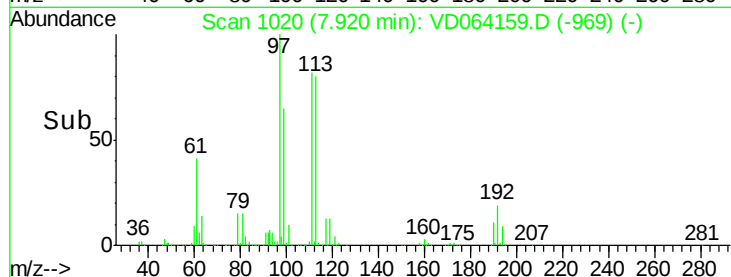
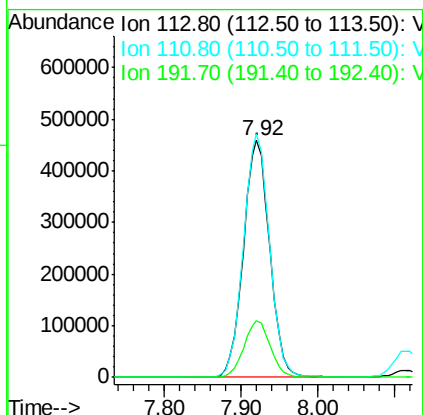
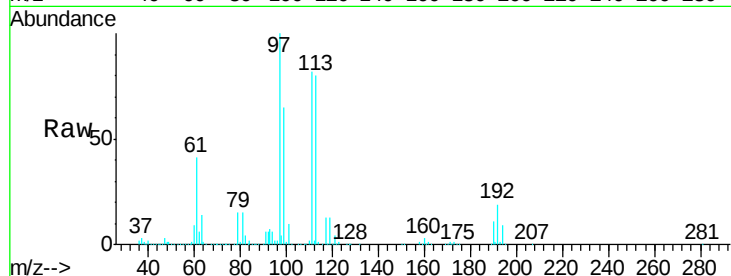




#35
 Dibromofluoromethane
 Concen: 132.107 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

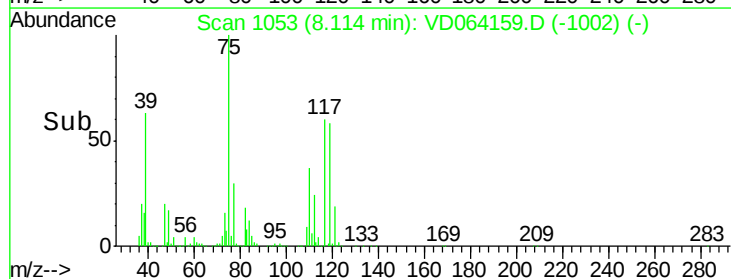
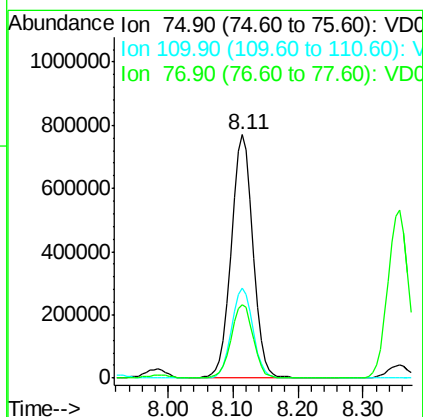
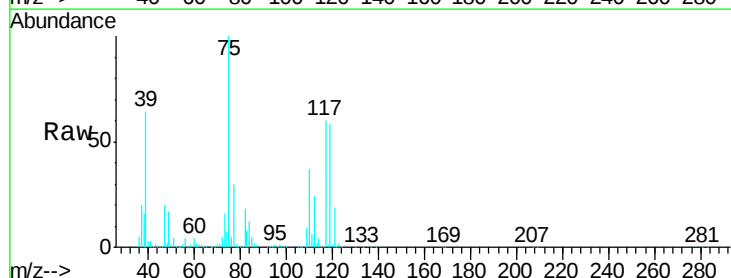
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

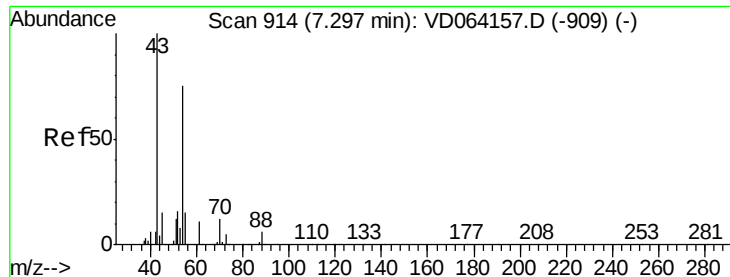
Tgt Ion: 113 Resp: 1096301
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.5 122.3
 192 24.0 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 138.874 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion: 75 Resp: 1773141
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.3 54.9
 77 30.9 25.0 37.6

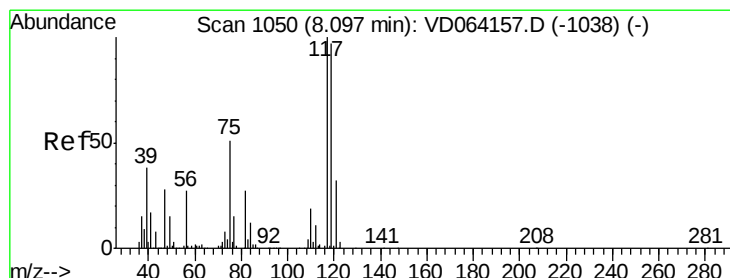
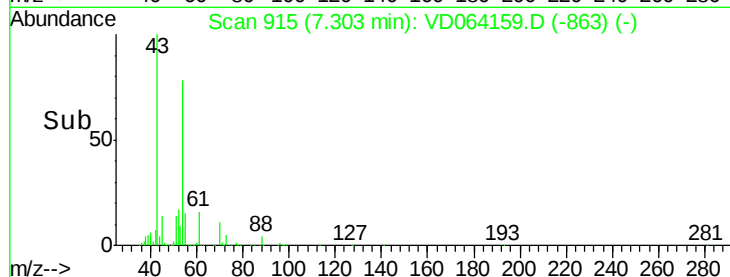
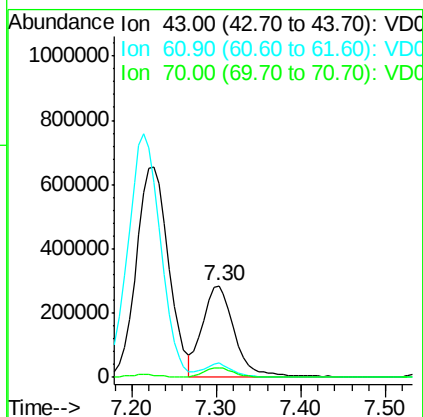
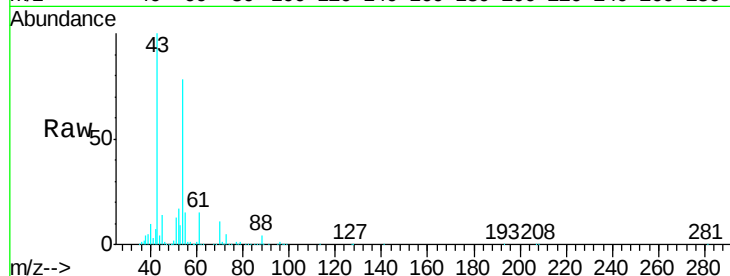




#37
 Ethyl Acetate
 Concen: 178.906 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

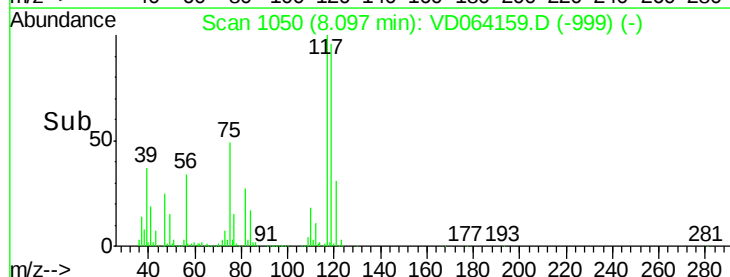
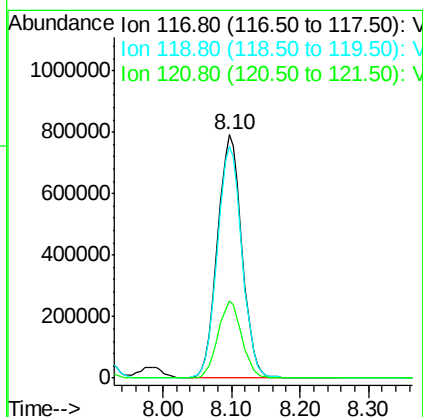
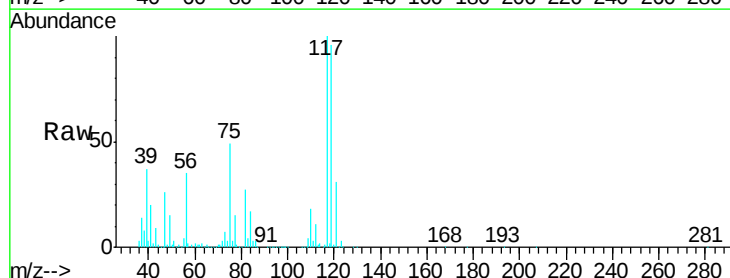
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

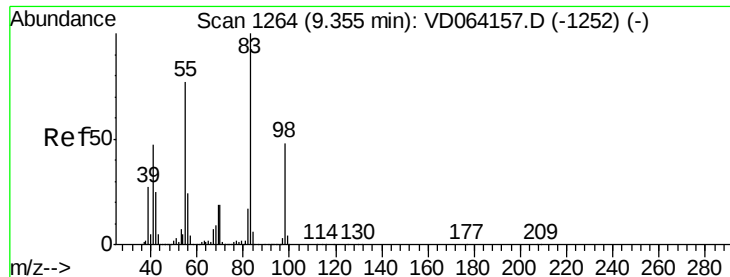
Tgt Ion: 43 Resp: 737608
 Ion Ratio Lower Upper
 43 100
 61 13.7 10.2 15.2
 70 9.9 8.5 12.7



#38
 Carbon Tetrachloride
 Concen: 140.688 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion: 117 Resp: 1943424
 Ion Ratio Lower Upper
 117 100
 119 95.5 77.2 115.8
 121 31.5 25.5 38.3

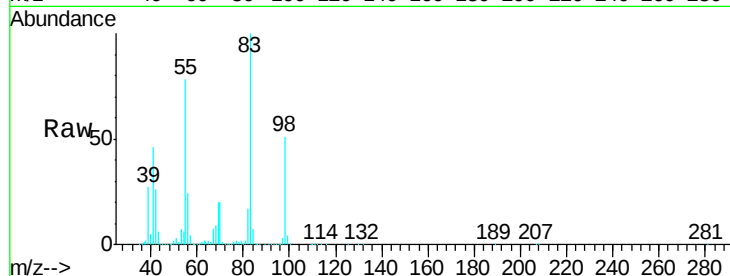




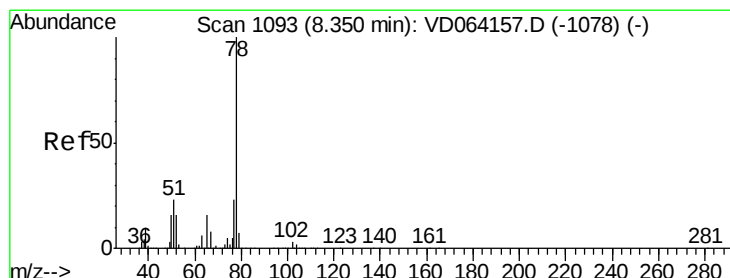
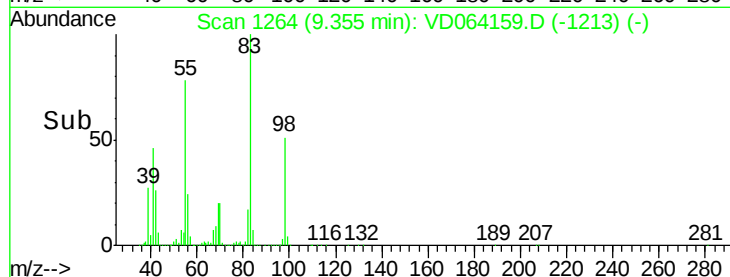
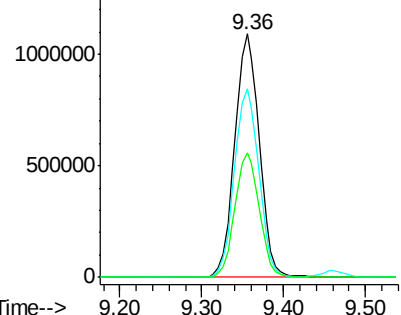
#39
Methylcyclohexane
Concen: 146.338 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 2270282
Ion Ratio Lower Upper
83 100
55 77.7 61.7 92.5
98 51.2 38.6 58.0

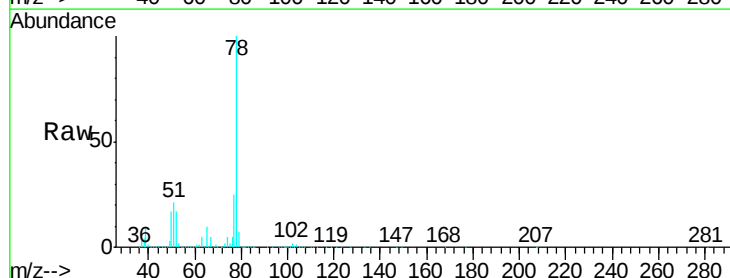


Abundance Ion 83.00 (82.70 to 83.70): VDC
1500000 Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

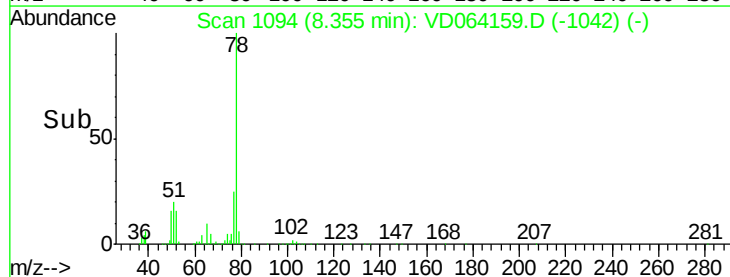
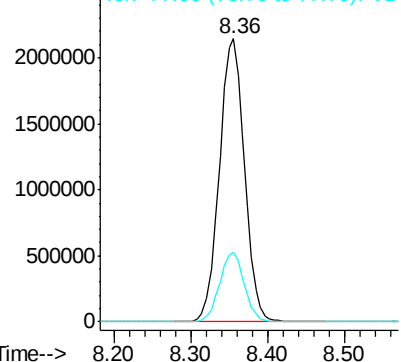


#40
Benzene
Concen: 141.106 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 78 Resp: 4888873
Ion Ratio Lower Upper
78 100
77 24.7 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
2500000 Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 200.082 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 494057

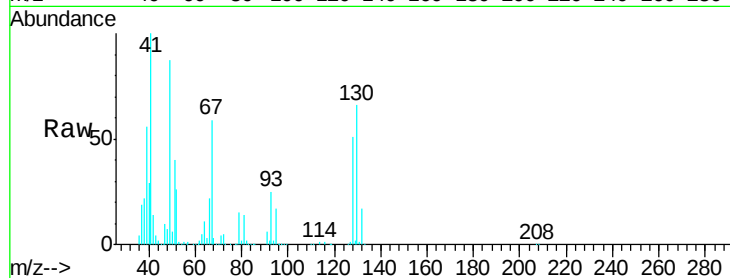
Ion Ratio Lower Upper

41 100

39 54.2 49.4 74.2

67 61.6 49.6 74.4

52 26.7 21.4 32.0

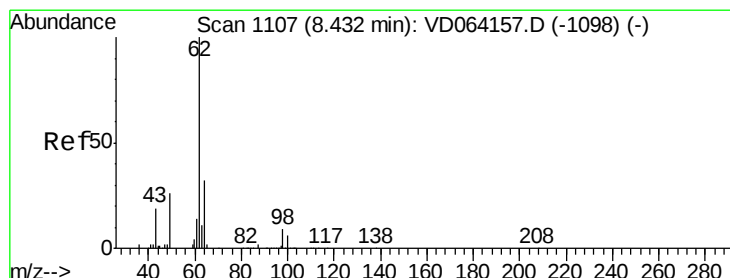
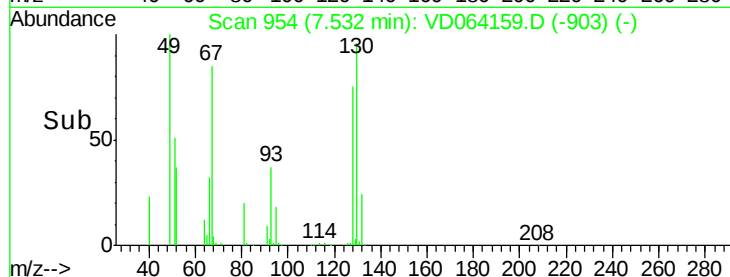
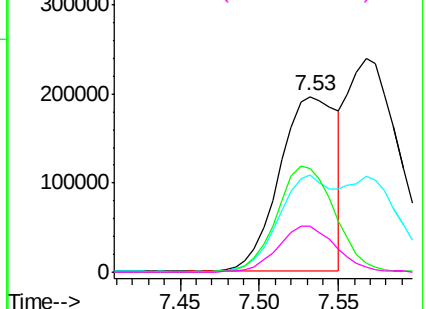


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 155.632 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064159.D

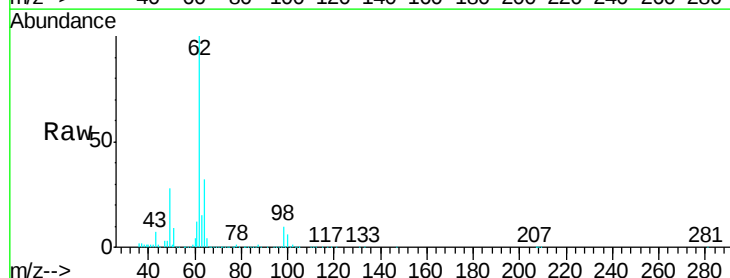
Acq: 08 Nov 2019 15:58

Tgt Ion: 62 Resp: 1448031

Ion Ratio Lower Upper

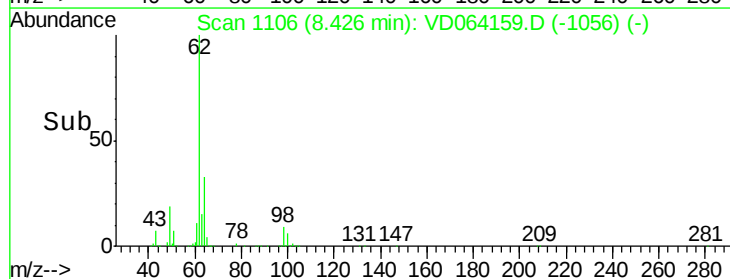
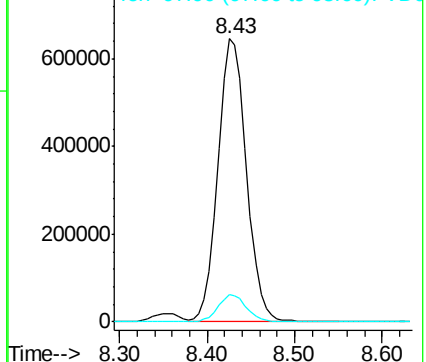
62 100

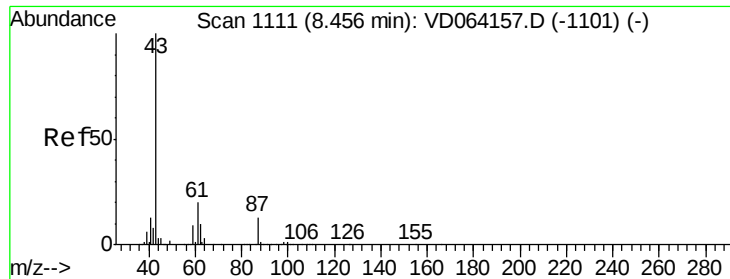
98 9.4 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 182.753 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

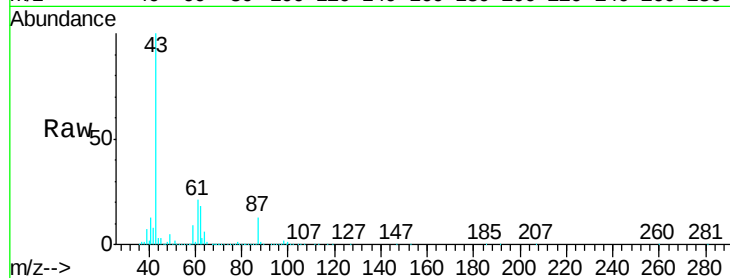
Tgt Ion: 43 Resp: 1539173

Ion Ratio Lower Upper

43 100

61 28.8 22.9 34.3

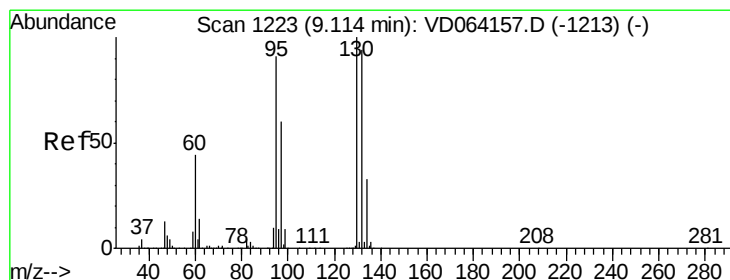
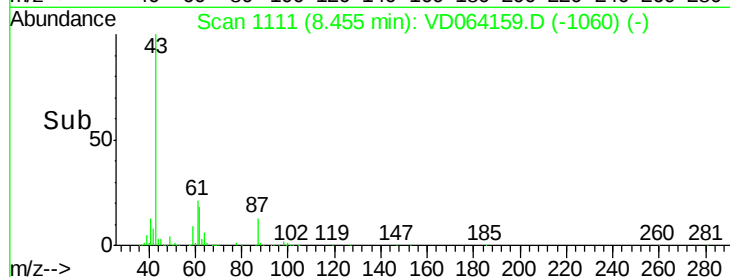
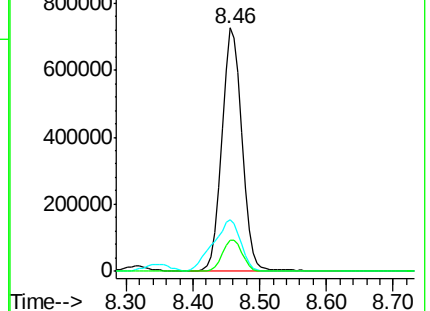
87 13.0 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 138.846 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064159.D

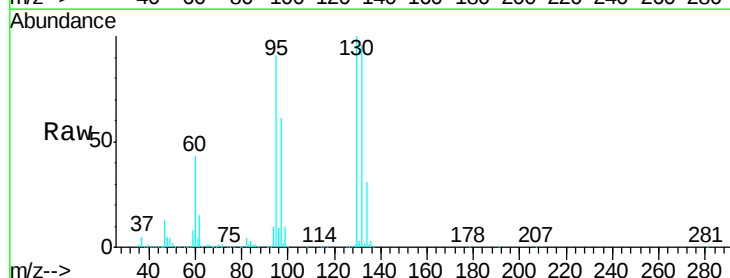
Acq: 08 Nov 2019 15:58

Tgt Ion:130 Resp: 1451228

Ion Ratio Lower Upper

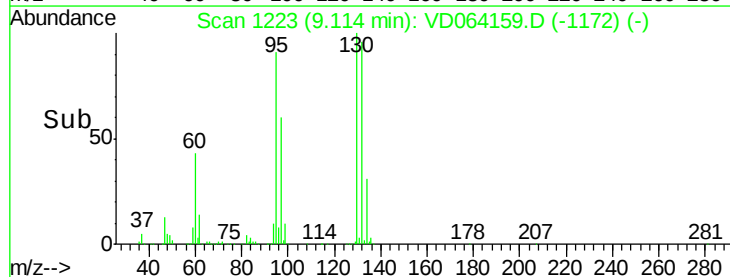
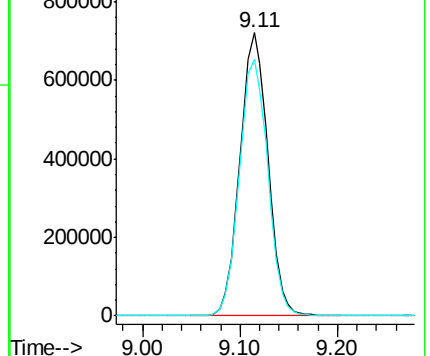
130 100

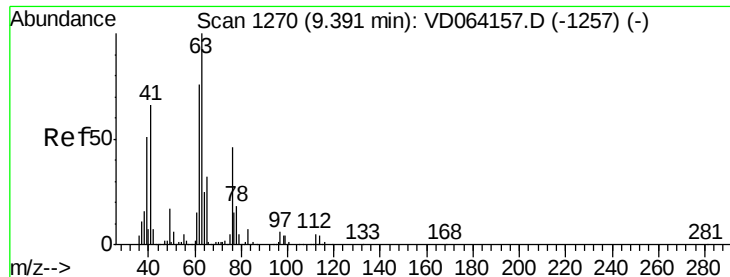
95 90.7 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

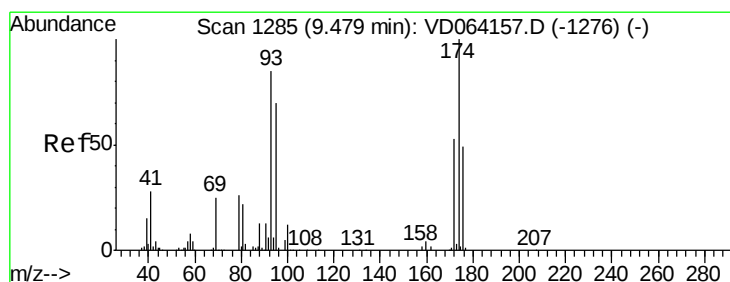
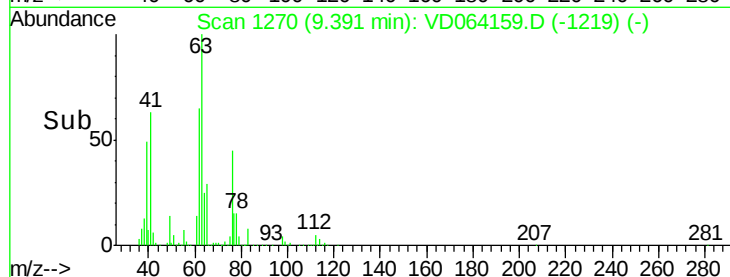
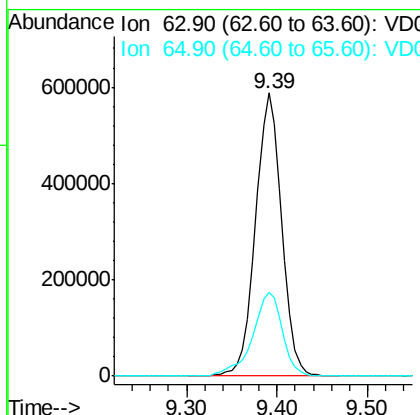
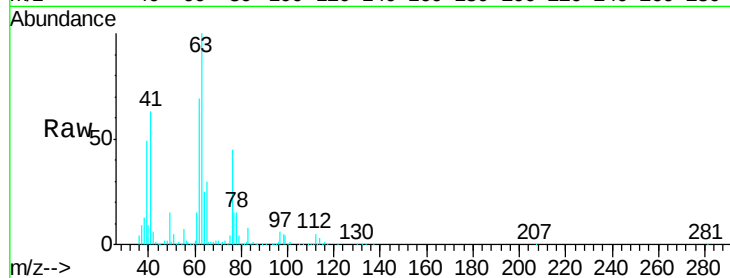




#45
 1,2-Dichloropropane
 Concen: 145.270 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

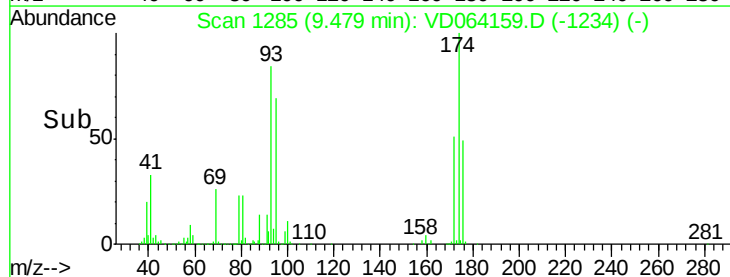
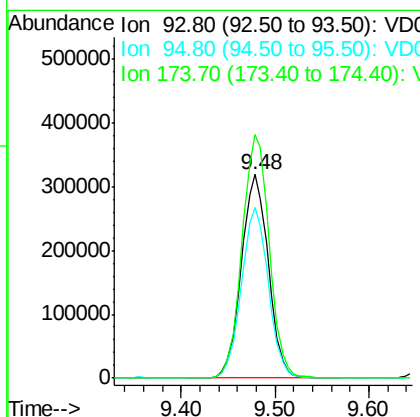
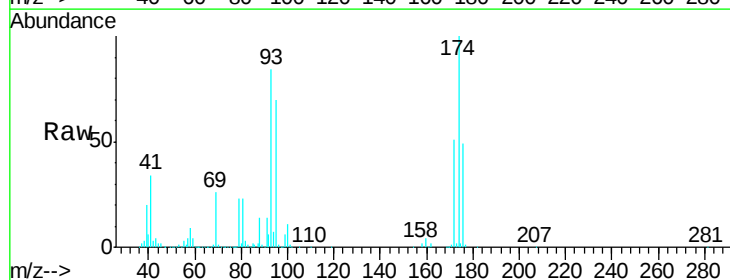
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

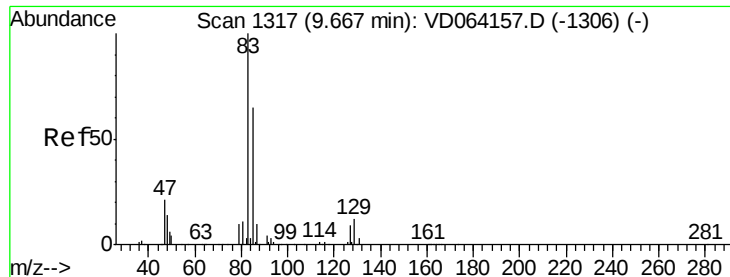
Tgt Ion: 63 Resp: 1178702
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.7 38.5



#46
 Dibromomethane
 Concen: 133.222 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion: 93 Resp: 634585
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.5 98.3
 174 120.1 93.9 140.9





#47

Bromodichloromethane

Concen: 140.920 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

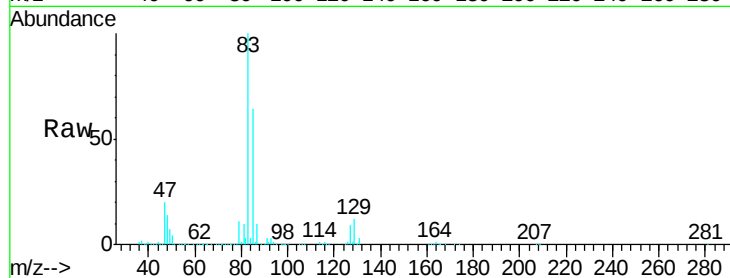
Tgt Ion: 83 Resp: 1708615

Ion Ratio Lower Upper

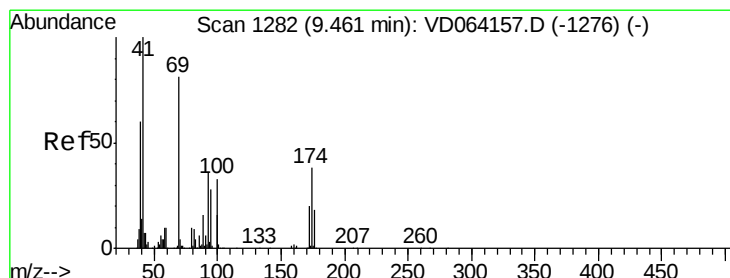
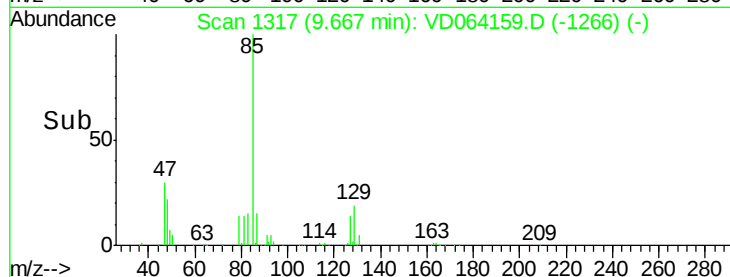
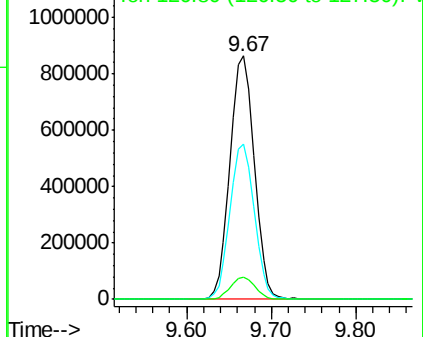
83 100

85 63.9 52.2 78.4

127 8.9 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 186.617 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

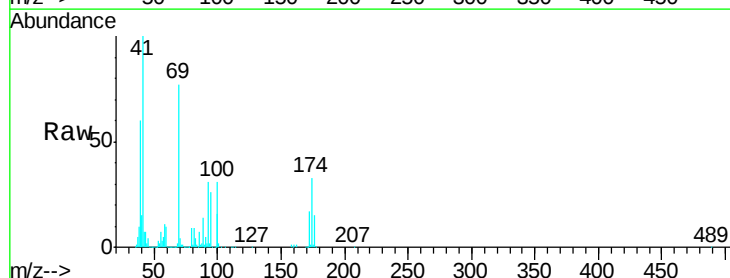
Tgt Ion: 41 Resp: 729383

Ion Ratio Lower Upper

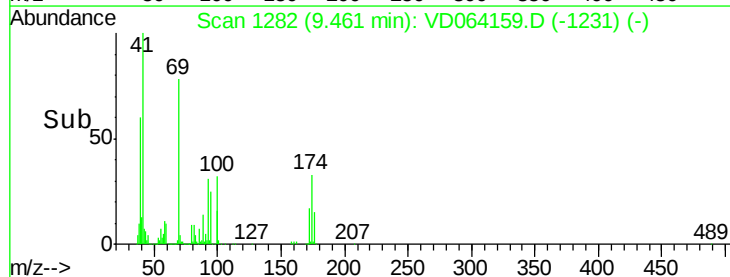
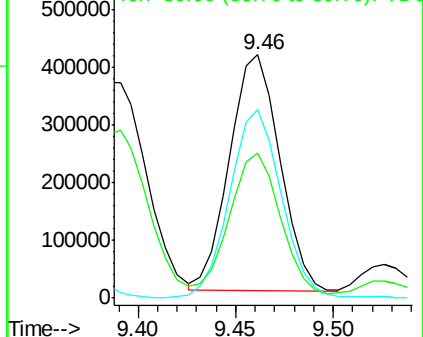
41 100

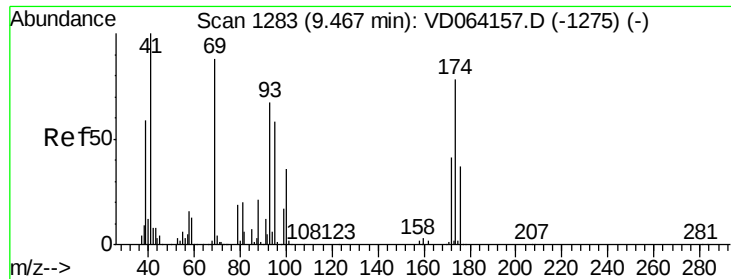
69 81.9 64.6 97.0

39 59.4 48.2 72.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

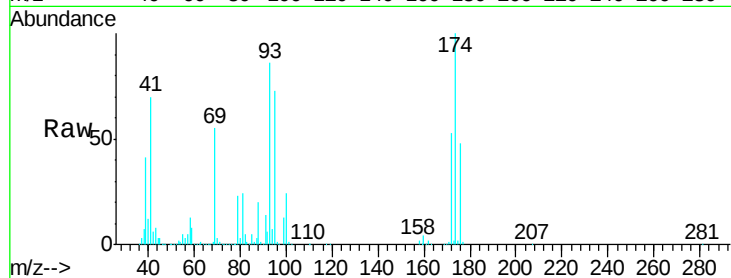




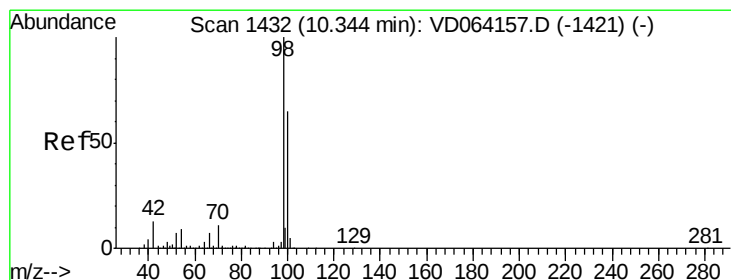
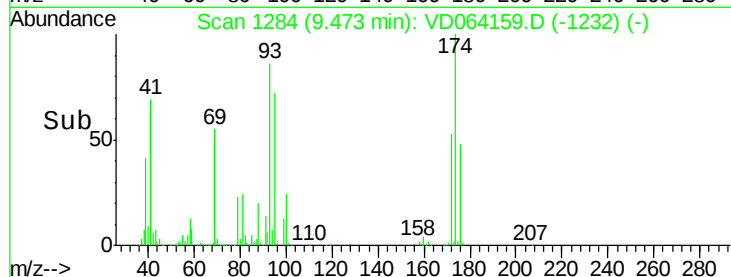
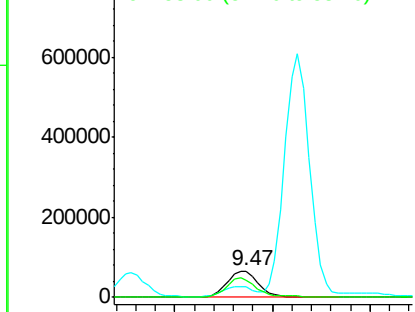
#49
1,4-Dioxane
Concen: 2754.882 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 88 Resp: 148169
Ion Ratio Lower Upper
88 100
43 36.2 29.8 44.8
58 72.5 58.1 87.1

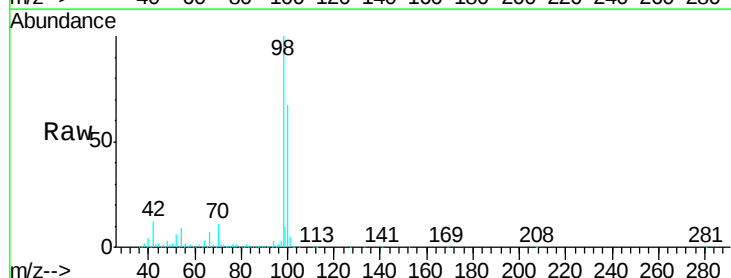


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

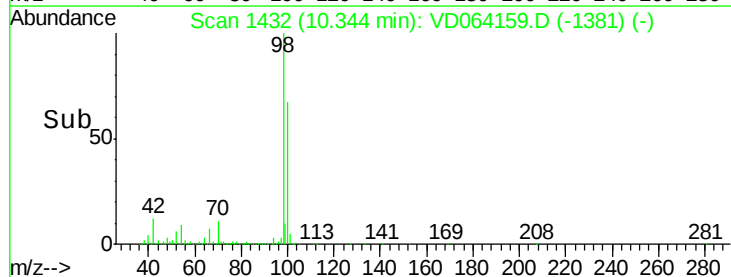
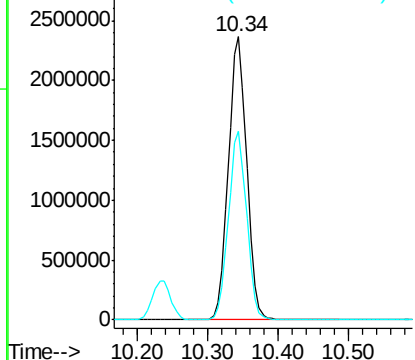


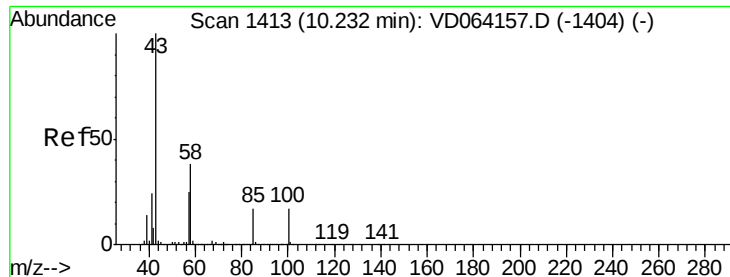
#50
Toluene-d8
Concen: 128.985 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 98 Resp: 4258513
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

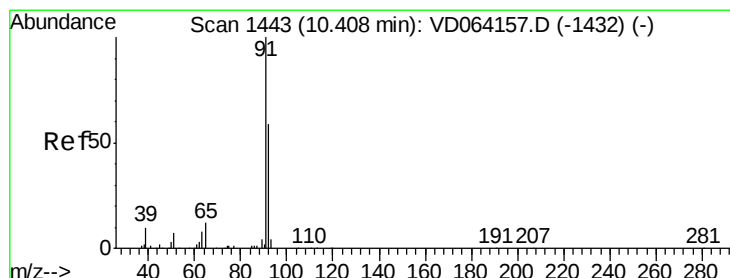
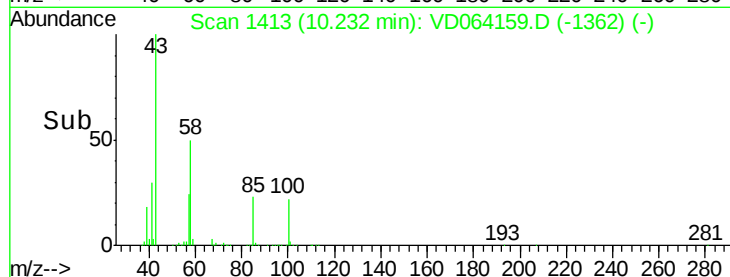
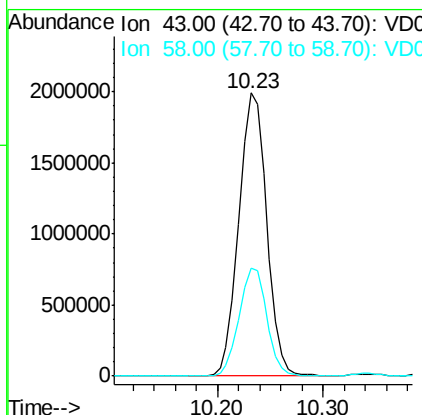
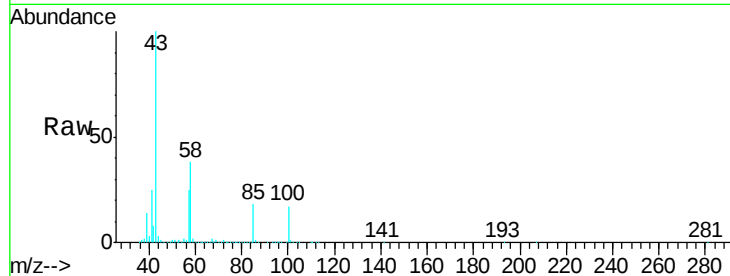




#51
 4-Methyl-2-Pentanone
 Concen: 823.115 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

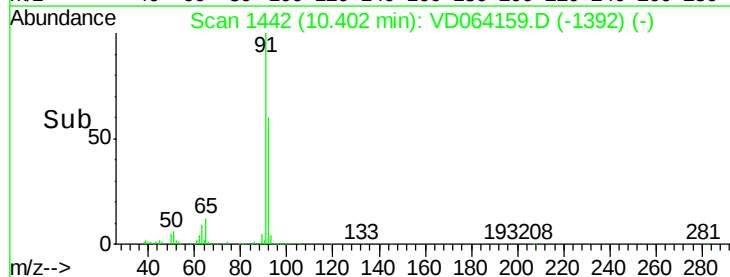
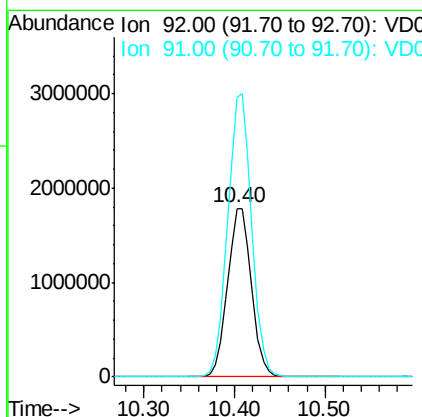
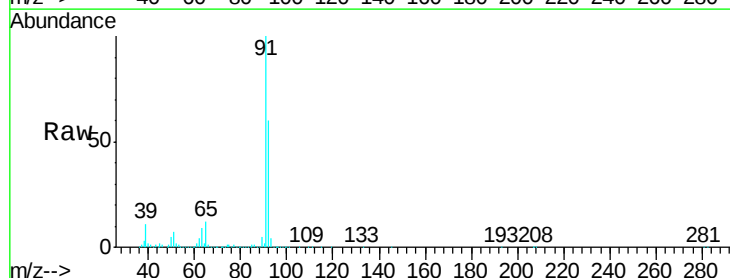
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

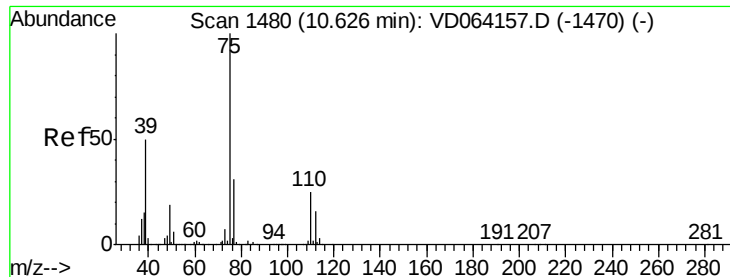
Tgt Ion: 43 Resp: 3642321
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.2 45.4



#52
 Toluene
 Concen: 136.169 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion: 92 Resp: 3257910
 Ion Ratio Lower Upper
 92 100
 91 168.9 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 152.560 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

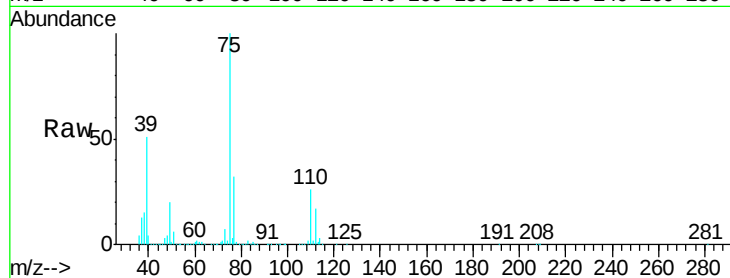
VSTDIC150

Tgt Ion: 75 Resp: 1739953

Ion Ratio Lower Upper

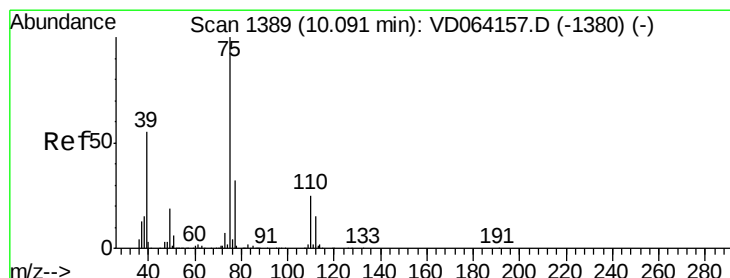
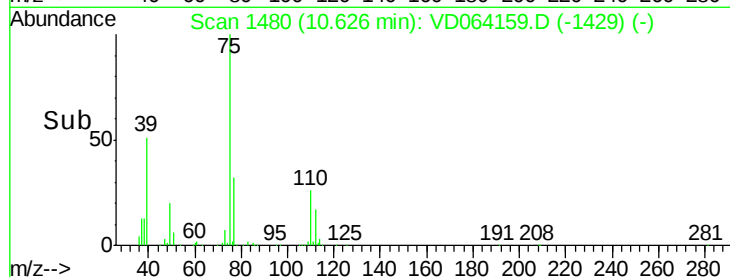
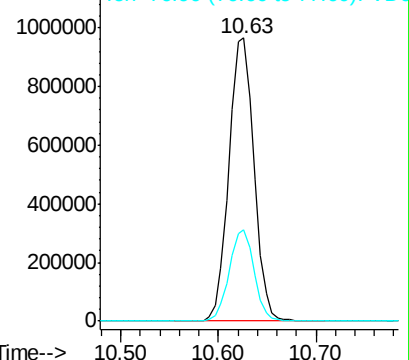
75 100

77 32.2 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 148.953 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

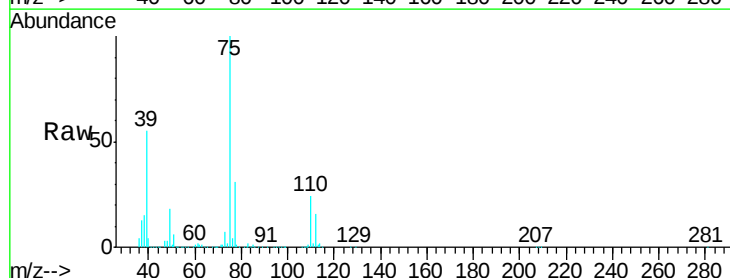
Tgt Ion: 75 Resp: 2004940

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

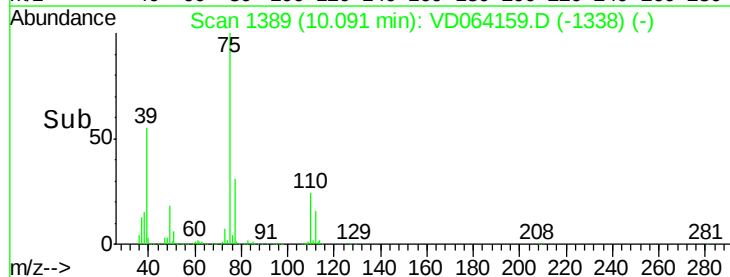
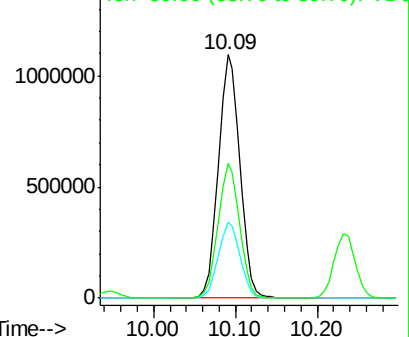
39 55.4 44.2 66.2

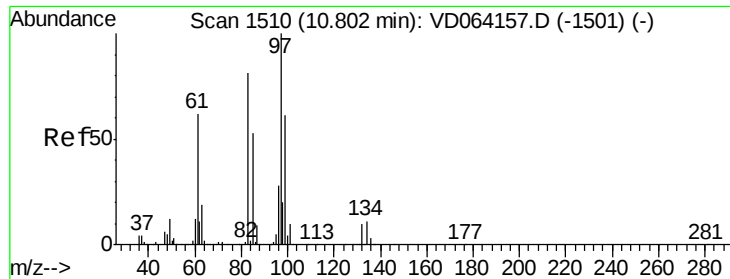


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

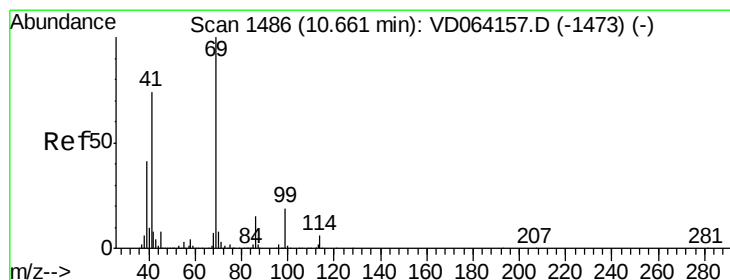
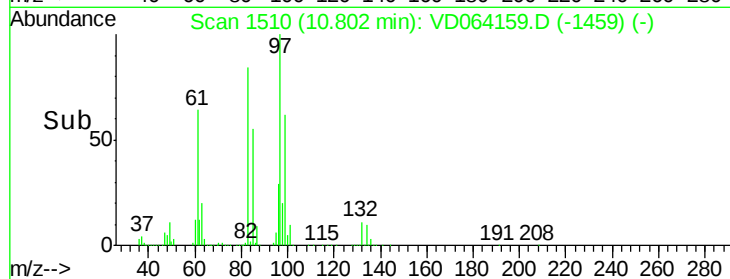
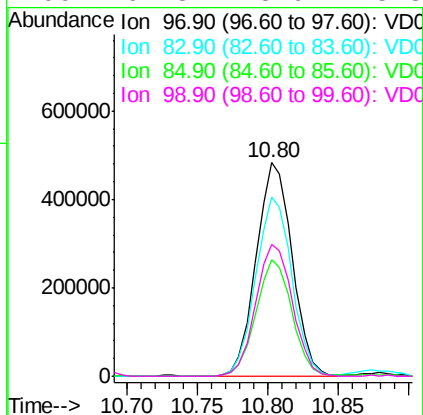
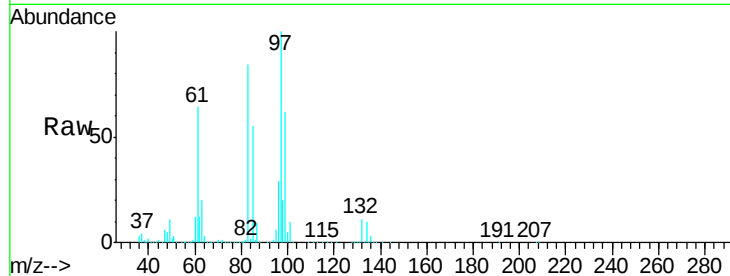




#55
 1,1,2-Trichloroethane
 Concen: 128.963 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

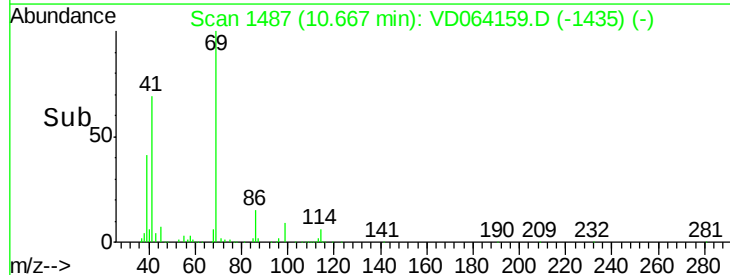
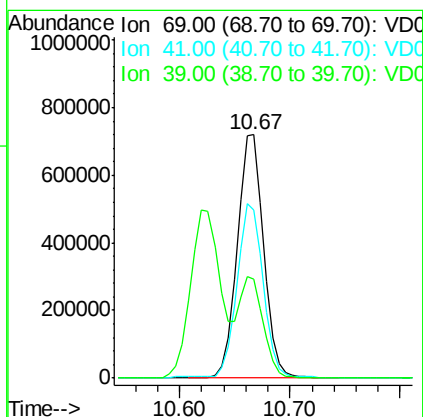
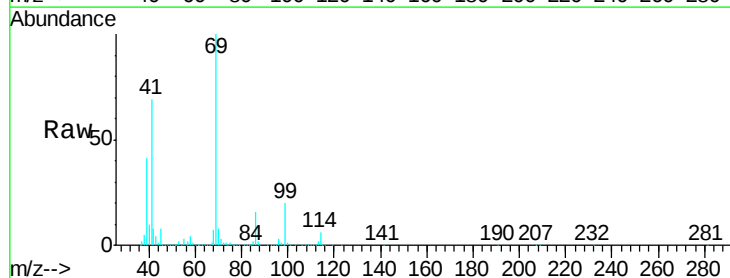
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

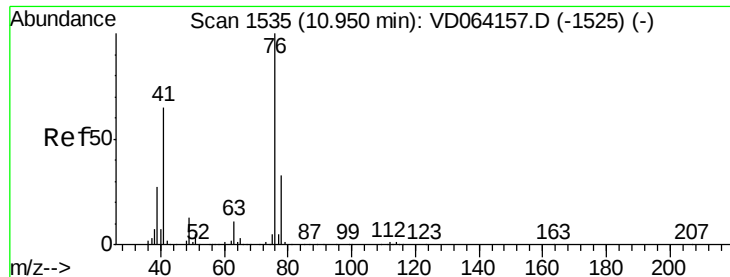
Tgt Ion:	97	Resp:	863196
Ion	Ratio	Lower	Upper
97	100		
83	84.0	65.1	97.7
85	54.5	42.0	63.0
99	61.8	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 159.613 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion:	69	Resp:	1204004
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.9	86.9
39	36.0	29.0	43.4





#57

1,3-Dichloropropane

Concen: 136.557 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

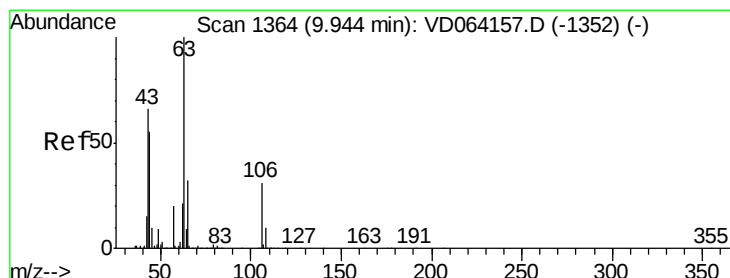
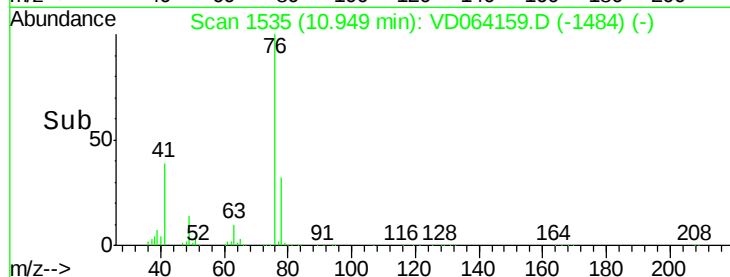
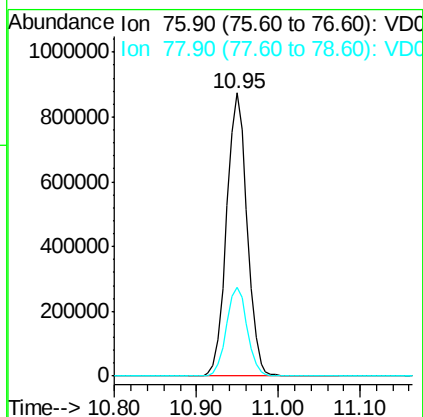
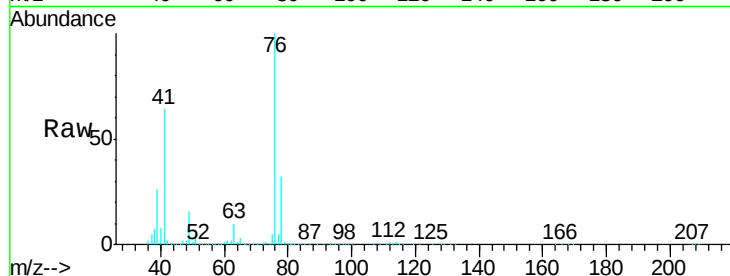
VSTDIC150

Tgt Ion: 76 Resp: 1524867

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 751.988 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064159.D

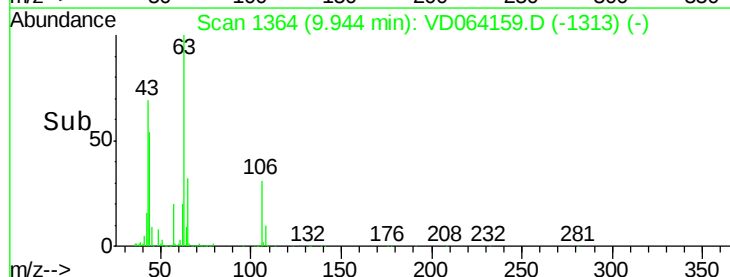
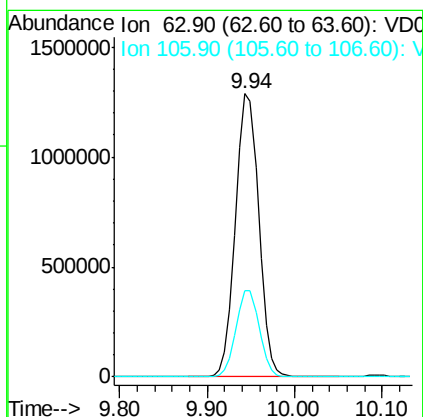
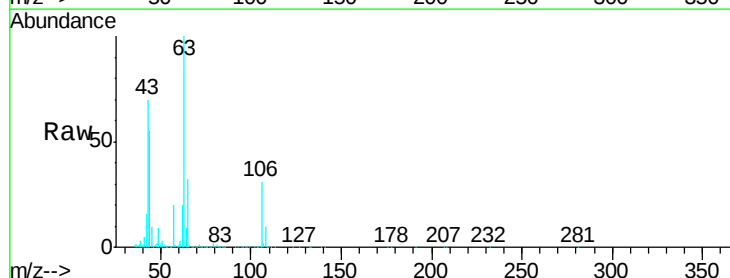
Acq: 08 Nov 2019 15:58

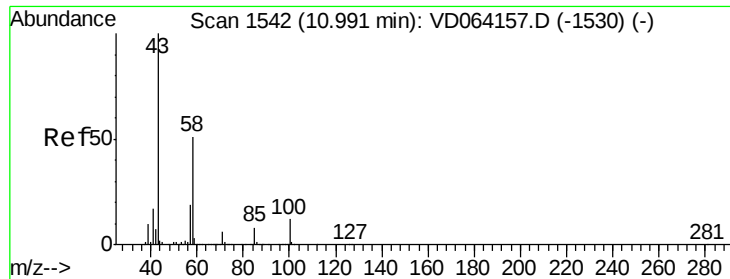
Tgt Ion: 63 Resp: 2316455

Ion Ratio Lower Upper

63 100

106 30.8 24.1 36.1

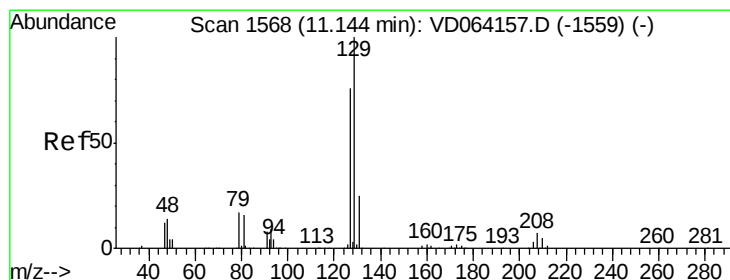
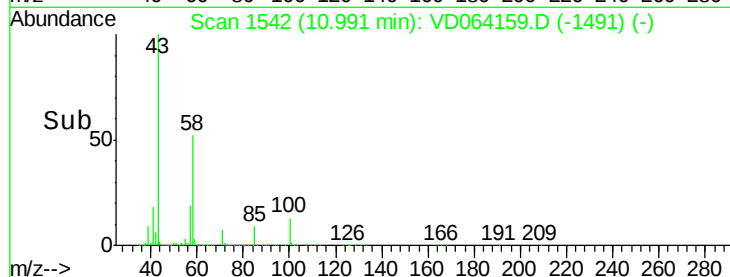
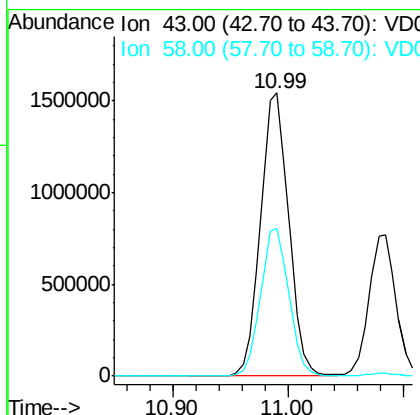
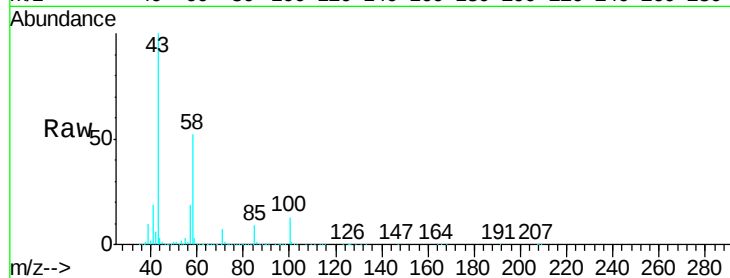




#59
2-Hexanone
Concen: 840.306 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

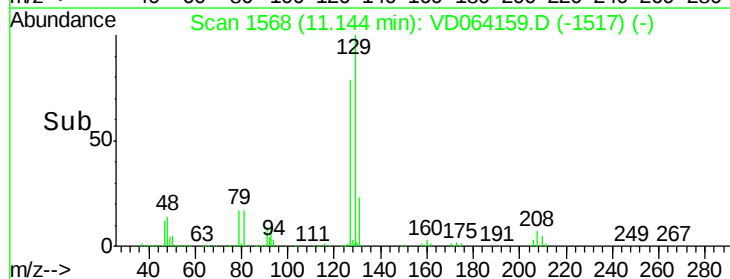
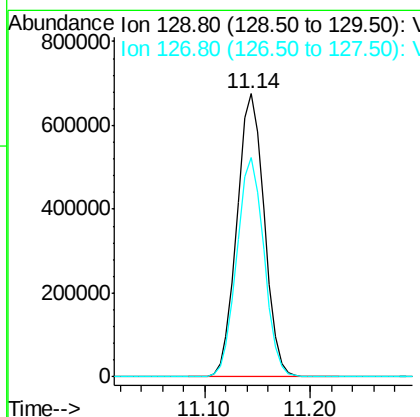
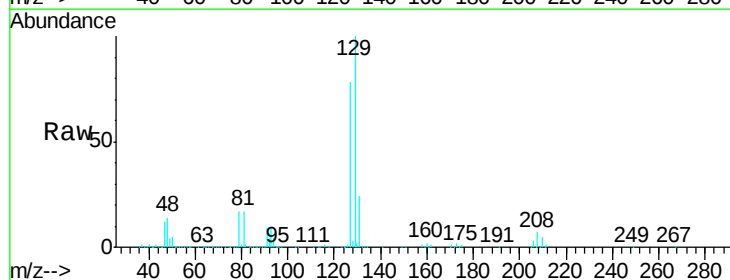
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

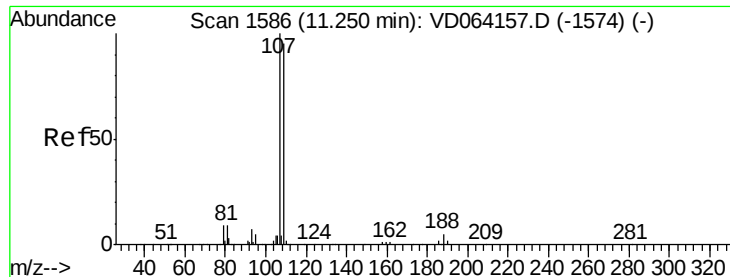
Tgt Ion: 43 Resp: 2634444
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7



#60
Dibromochloromethane
Concen: 132.979 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 129 Resp: 1211007
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

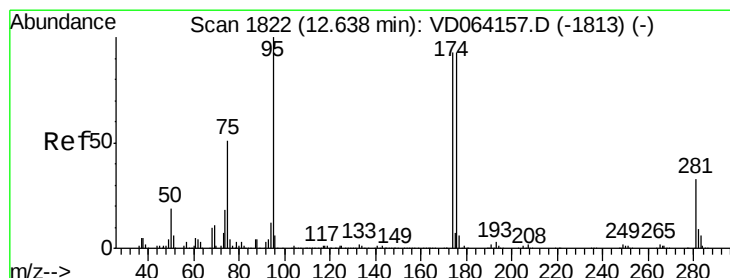
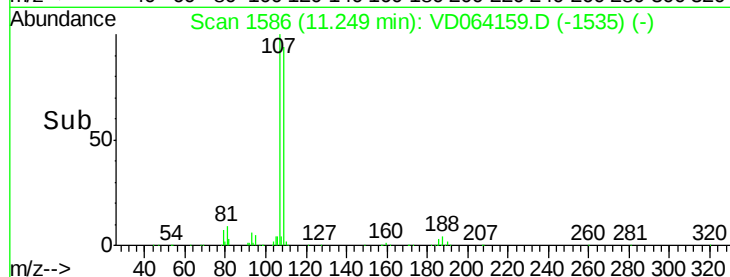
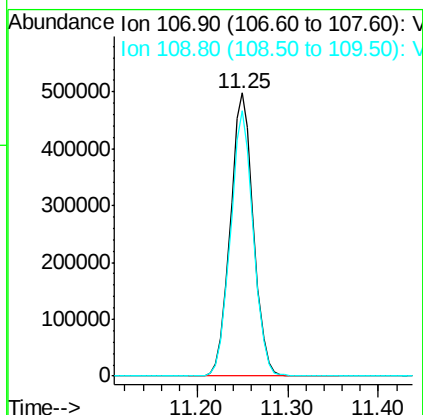
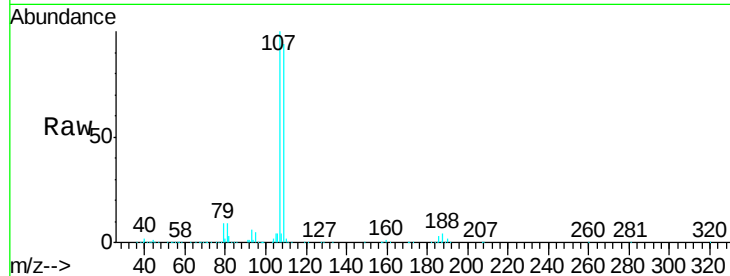




#61
 1,2-Dibromoethane
 Concen: 131.751 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

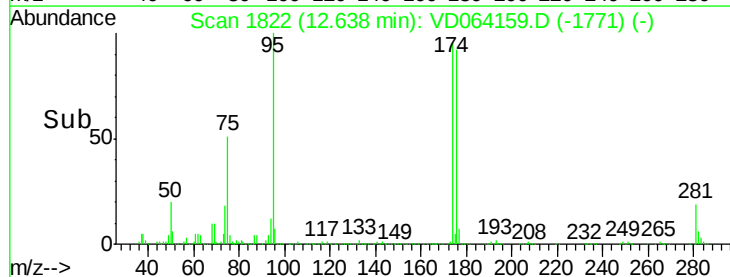
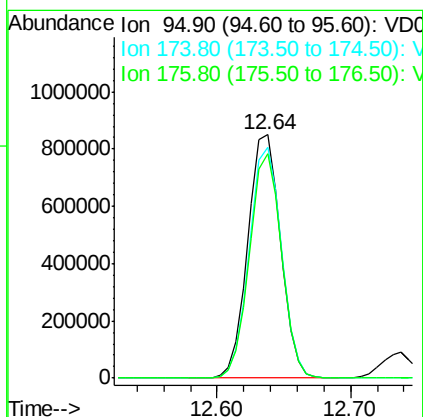
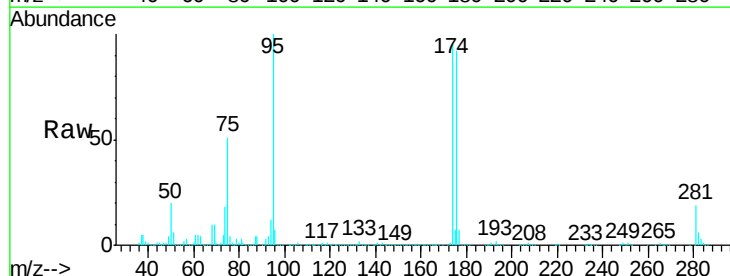
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

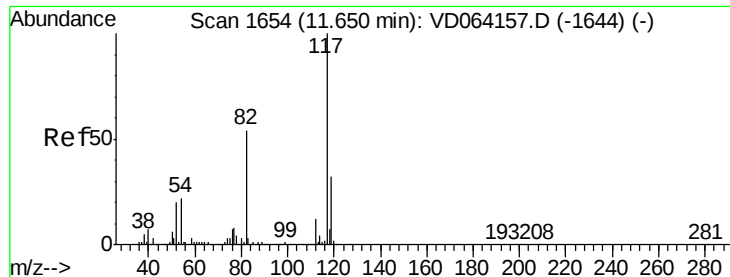
Tgt Ion: 107 Resp: 879234
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 131.031 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion: 95 Resp: 1433627
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 183.6
 176 90.3 0.0 180.2

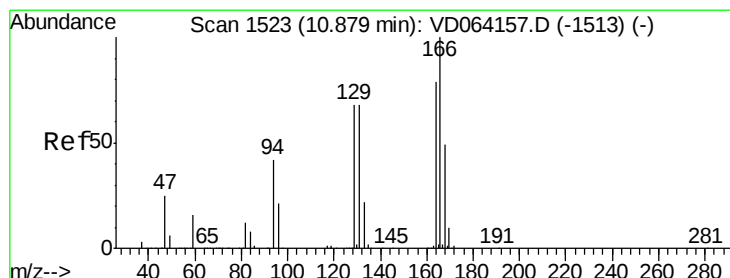
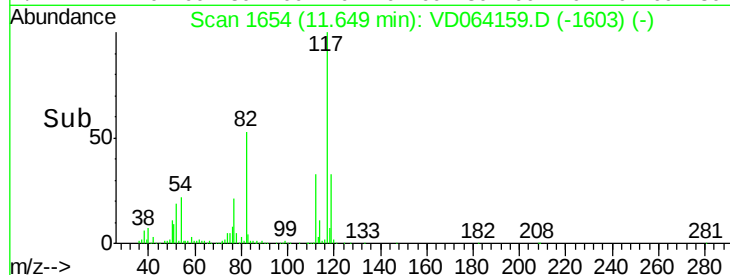
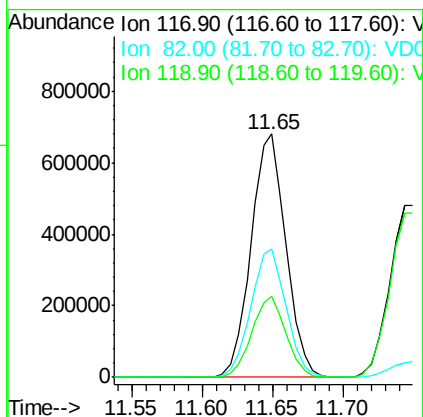
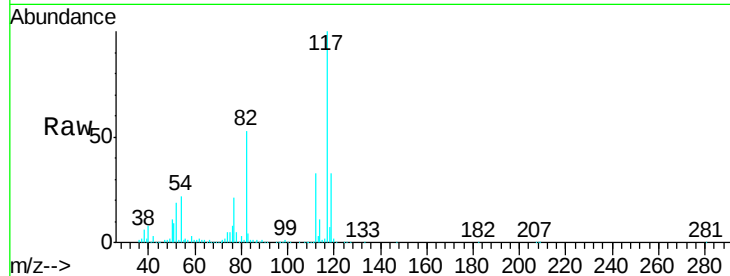




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

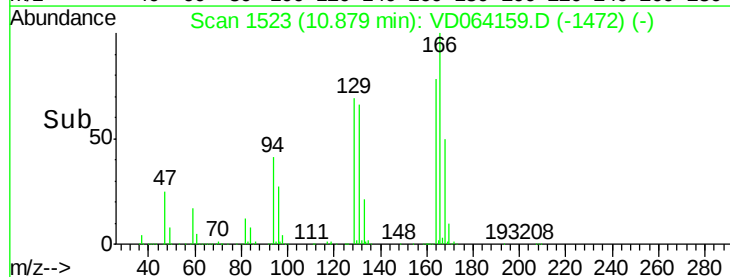
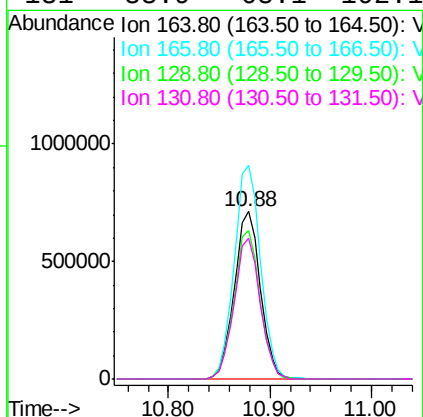
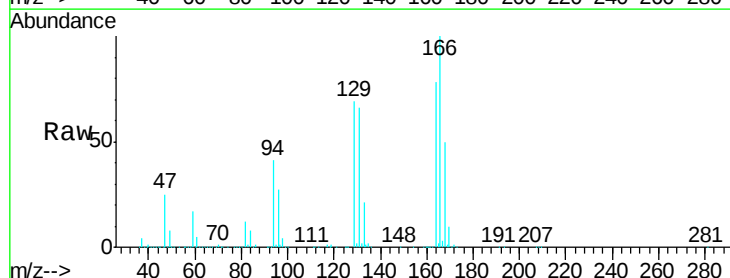
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

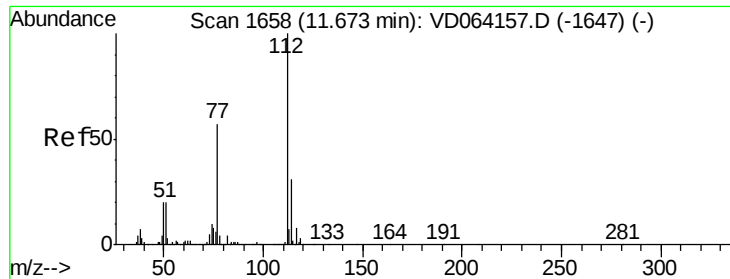
Tgt Ion:117 Resp: 1177640
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 33.0 25.6 38.4



#64
Tetrachloroethene
Concen: 147.779 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion:164 Resp: 1273335
Ion Ratio Lower Upper
164 100
166 127.4 100.8 151.2
129 88.3 68.7 103.1
131 83.9 68.1 102.1

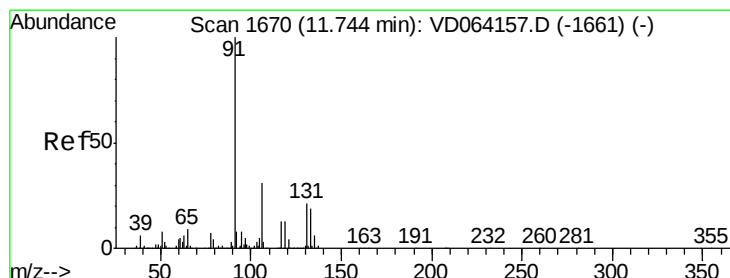
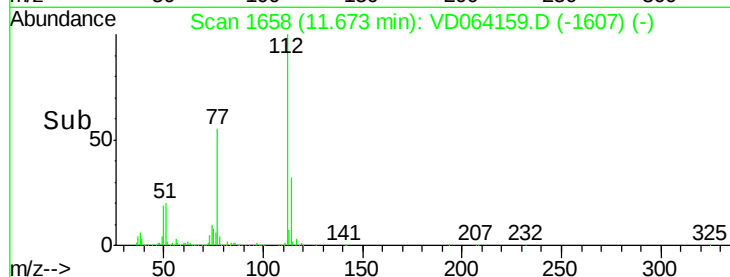
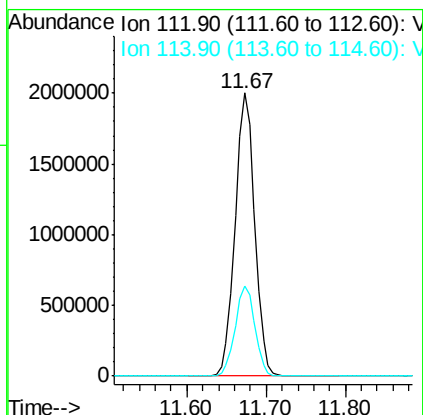
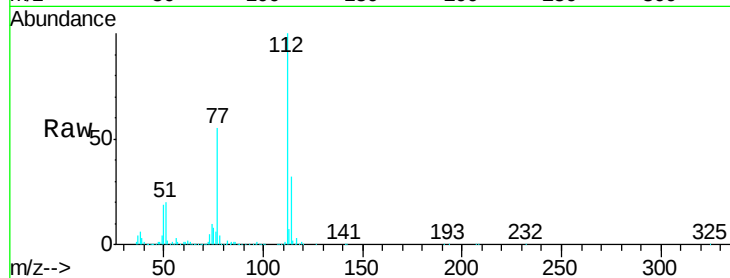




#65
Chlorobenzene
Concen: 140.311 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

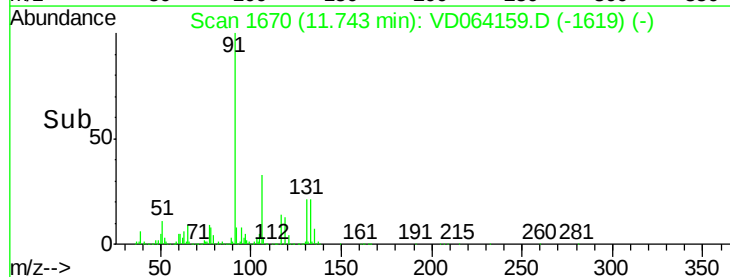
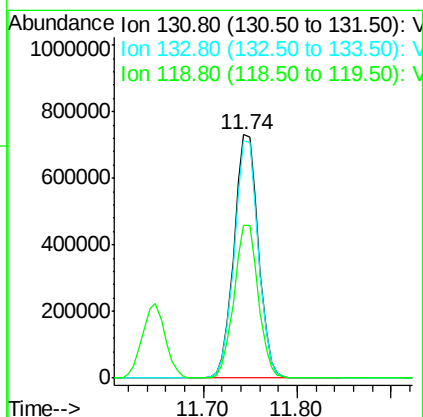
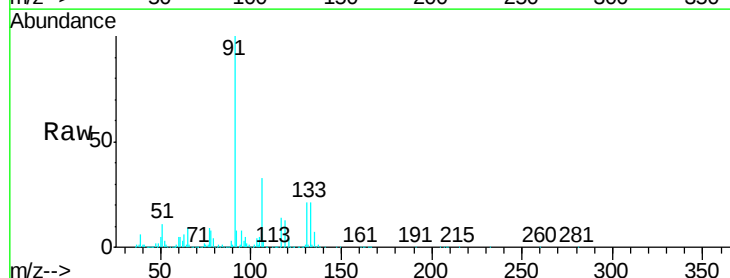
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

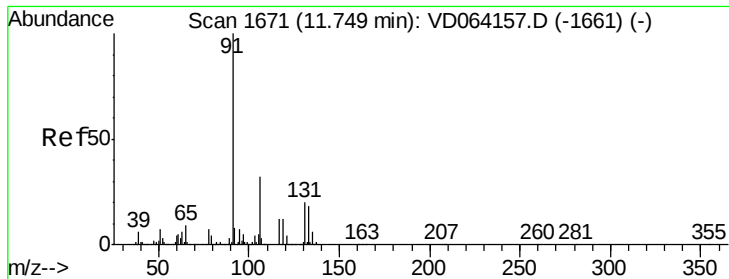
Tgt Ion:112 Resp: 3413201
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 143.483 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion:131 Resp: 1310996
Ion Ratio Lower Upper
131 100
133 96.4 47.3 141.9
119 62.7 31.1 93.3





#67

Ethyl Benzene

Concen: 140.625 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

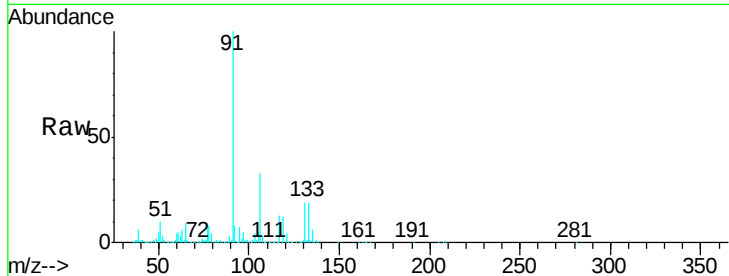
VSTDIC150

Tgt Ion: 91 Resp: 6102370

Ion Ratio Lower Upper

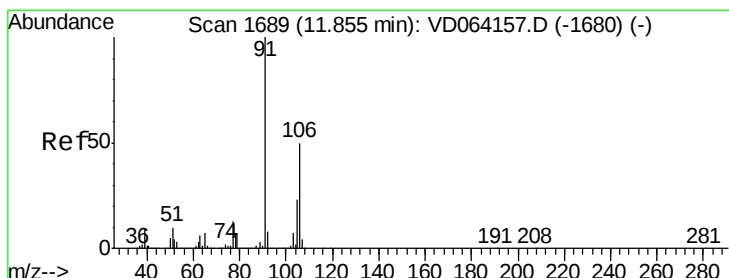
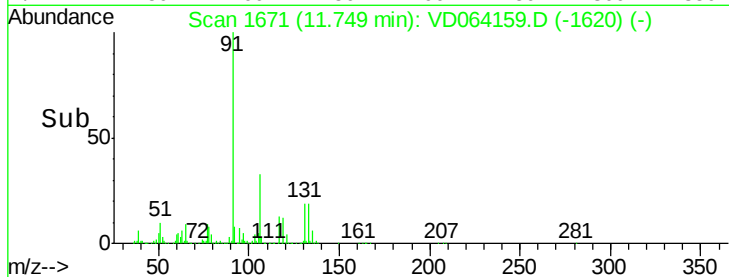
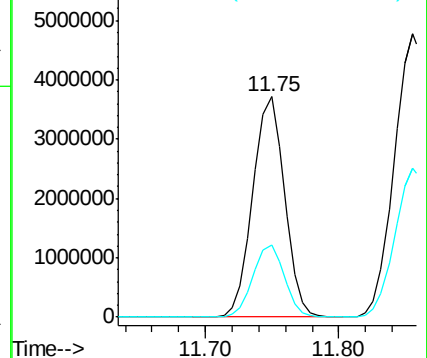
91 100

106 32.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 275.614 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064159.D

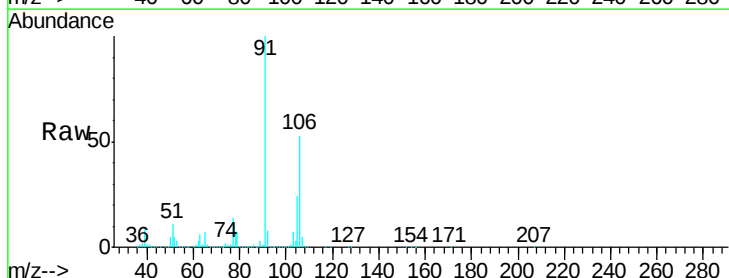
Acq: 08 Nov 2019 15:58

Tgt Ion: 106 Resp: 4767710

Ion Ratio Lower Upper

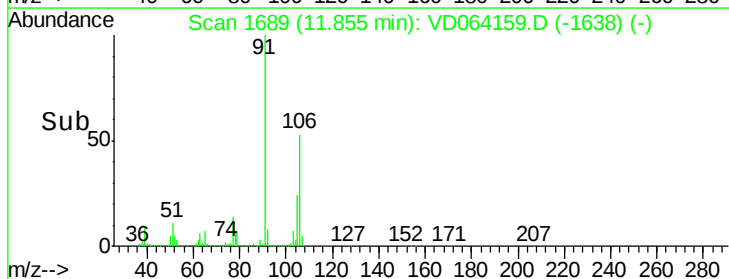
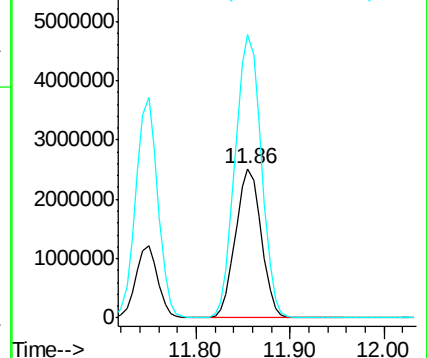
106 100

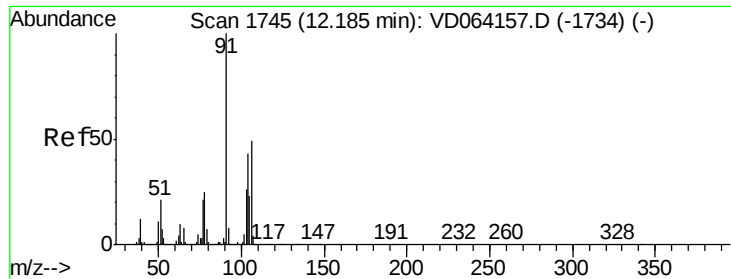
91 194.3 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

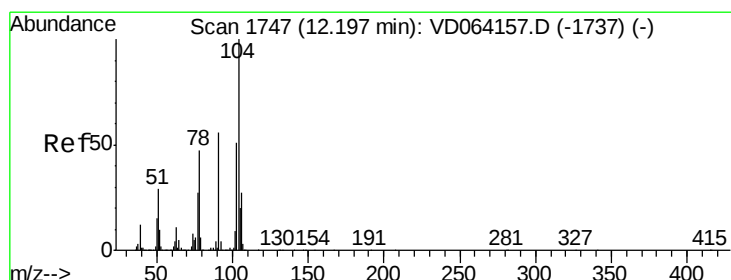
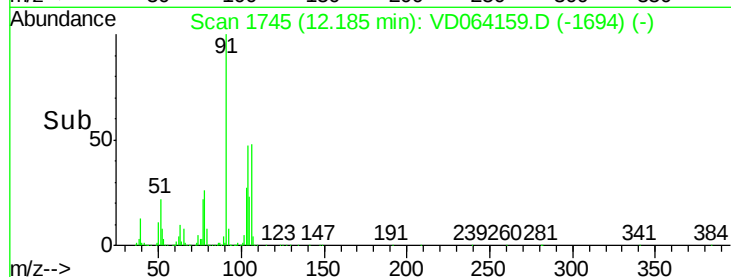
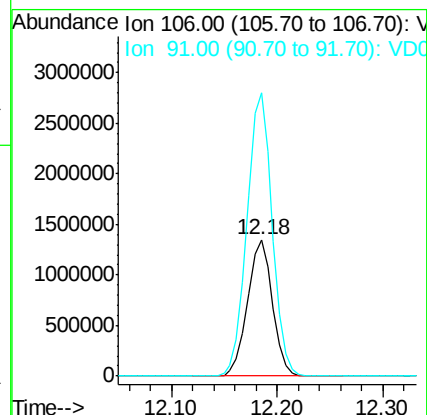
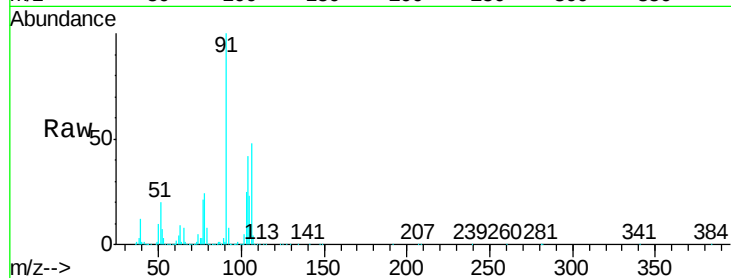




#69
o-Xylene
Concen: 139.706 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

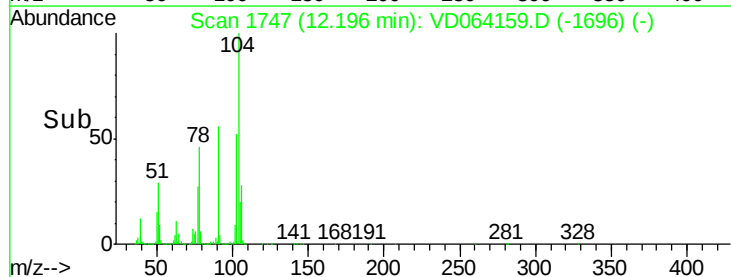
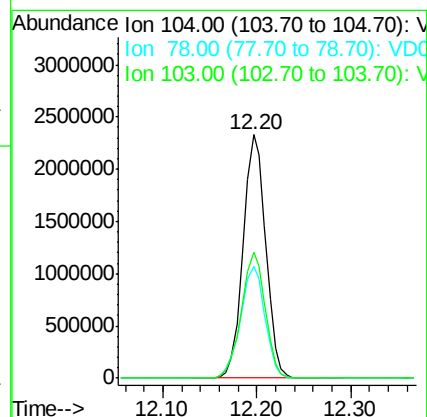
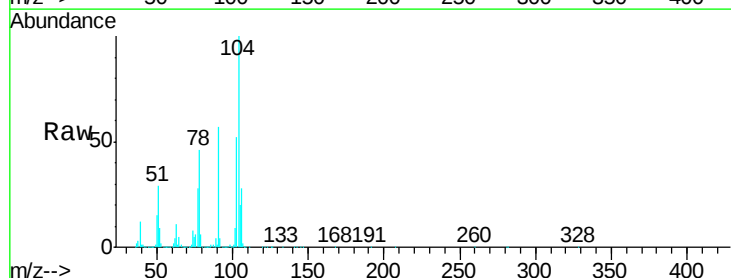
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

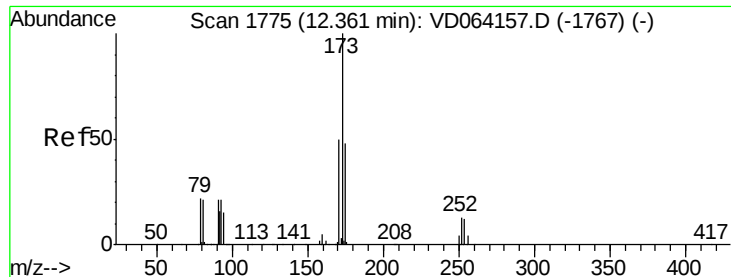
Tgt Ion:106 Resp: 2209016
Ion Ratio Lower Upper
106 100
91 209.4 105.1 315.3



#70
Styrene
Concen: 142.387 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion:104 Resp: 3873951
Ion Ratio Lower Upper
104 100
78 49.7 39.9 59.9
103 54.5 43.4 65.0





#71

Bromoform

Concen: 152.996 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

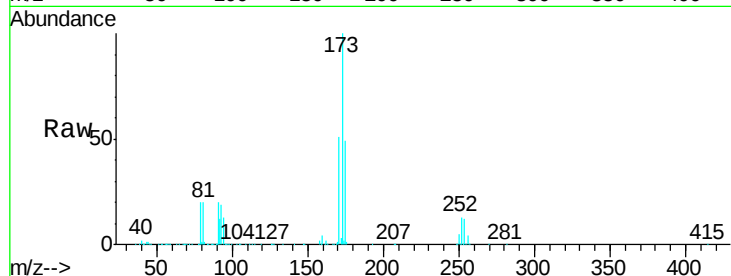
Tgt Ion:173 Resp: 755422

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.3

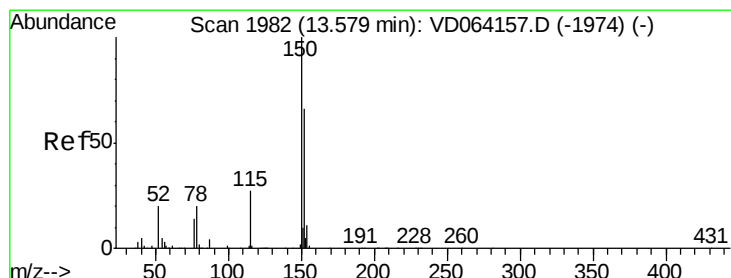
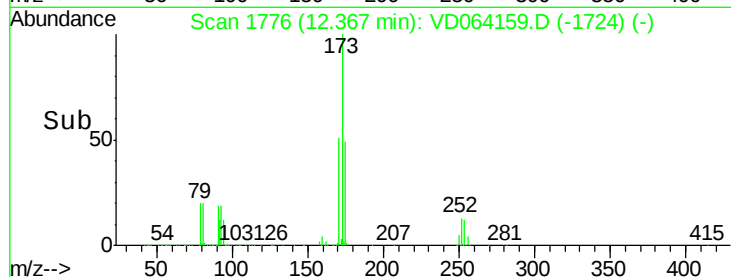
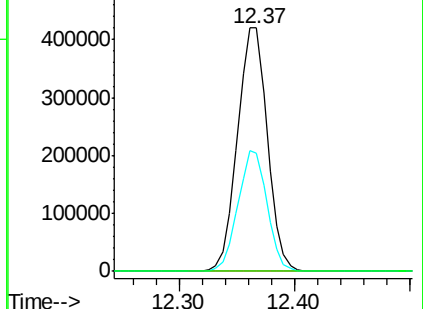
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

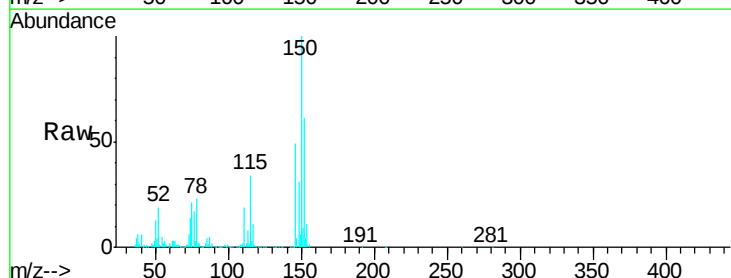
Tgt Ion:152 Resp: 587169

Ion Ratio Lower Upper

152 100

115 55.6 27.4 82.2

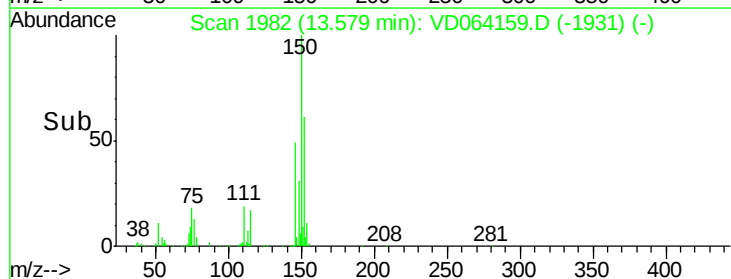
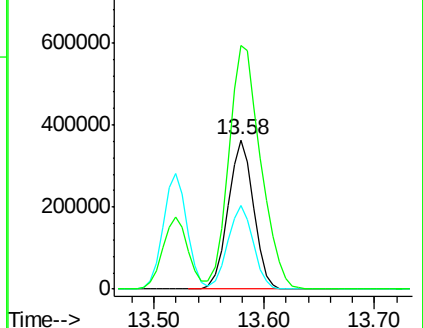
150 205.0 0.0 351.6

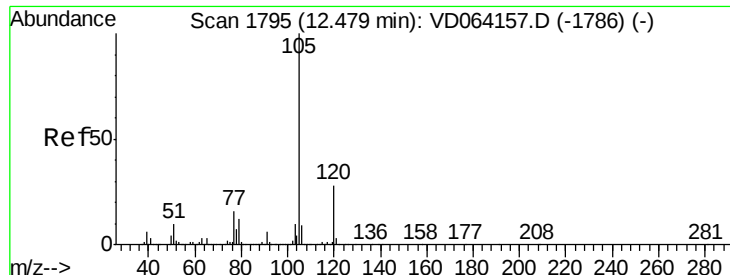


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 144.060 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

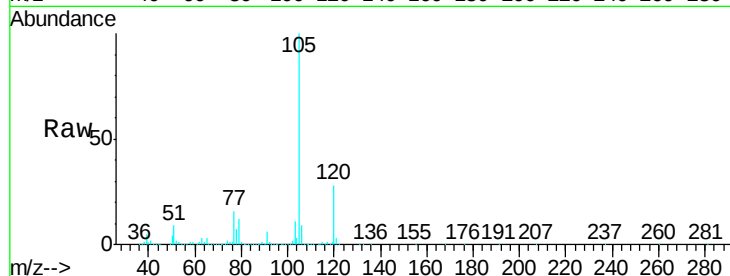
VSTDIC150

Tgt Ion:105 Resp: 5984642

Ion Ratio Lower Upper

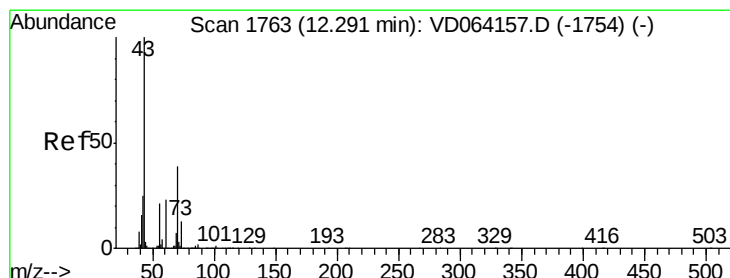
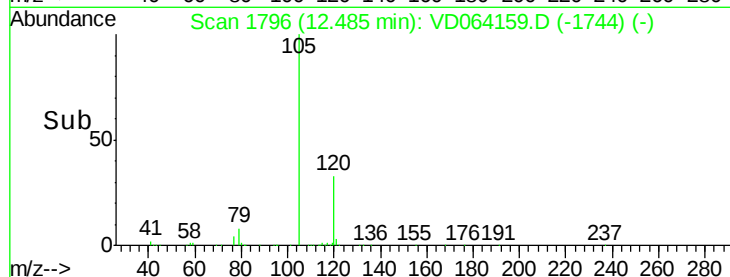
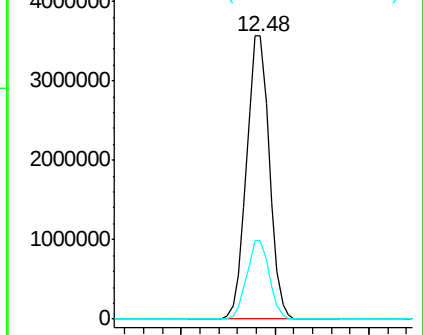
105 100

120 27.6 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 187.768 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Tgt Ion: 43 Resp: 1381840

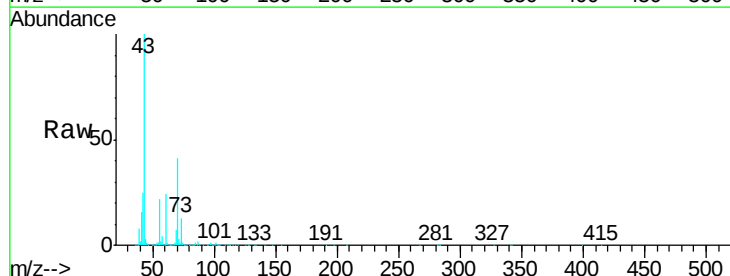
Ion Ratio Lower Upper

43 100

70 41.1 32.4 48.6

55 22.0 17.9 26.9

61 23.7 19.0 28.4

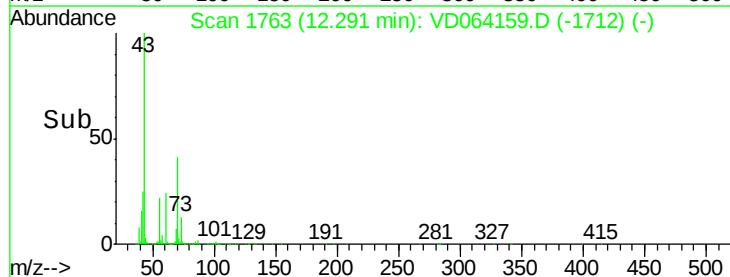
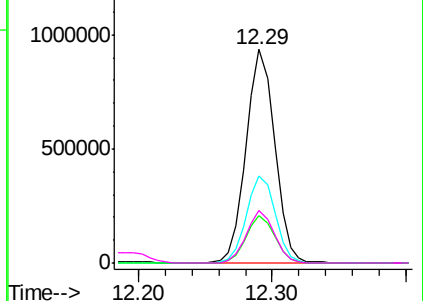


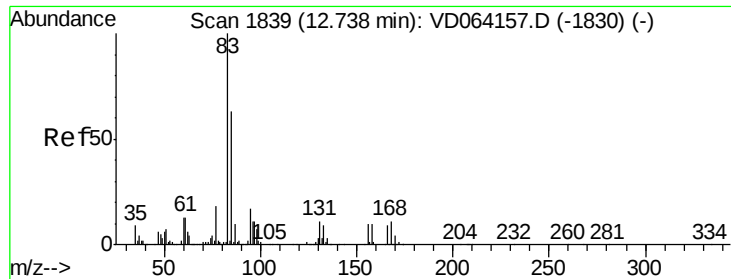
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 138.328 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

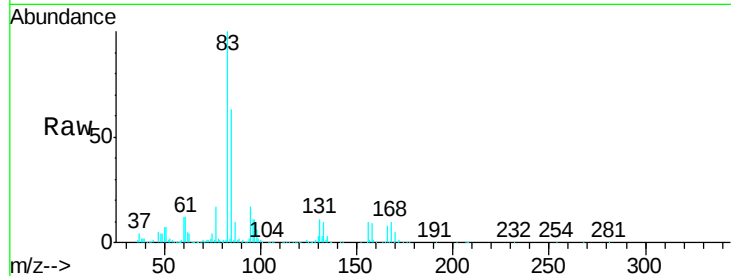
Tgt Ion: 83 Resp: 900799

Ion Ratio Lower Upper

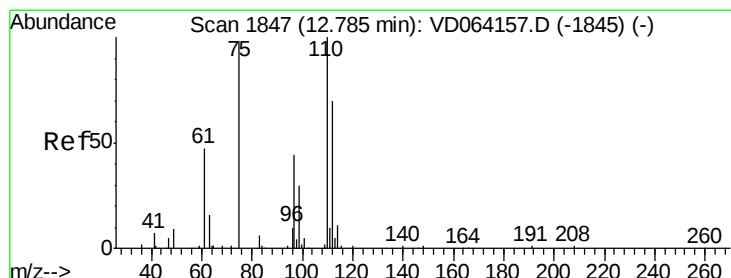
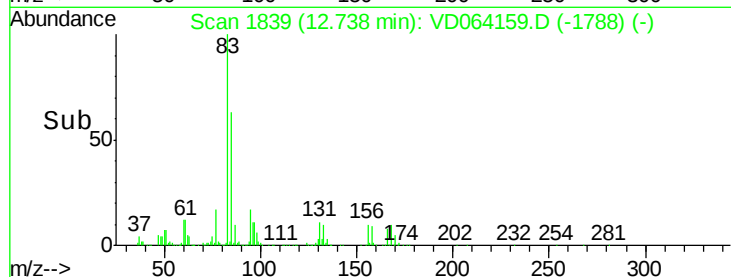
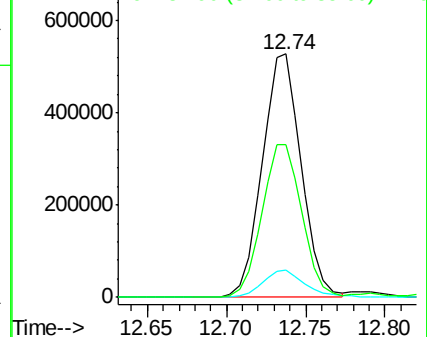
83 100

131 12.1 5.9 17.7

85 63.9 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 309.466 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064159.D

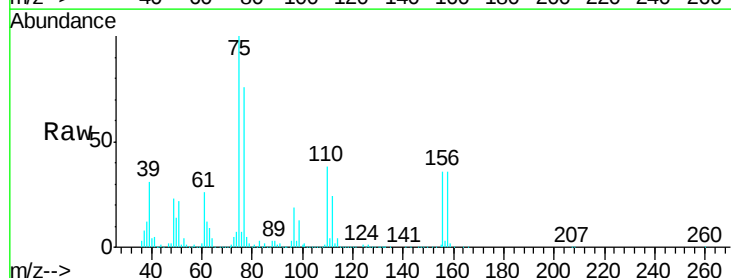
Acq: 08 Nov 2019 15:58

Tgt Ion: 75 Resp: 1259618

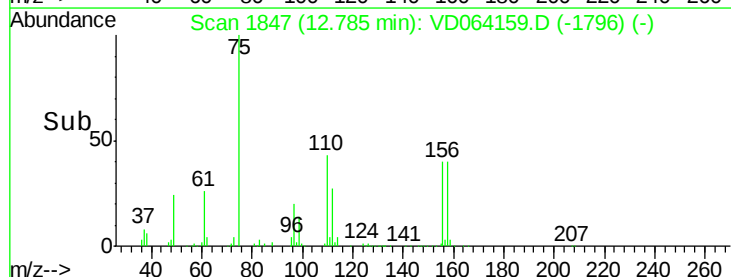
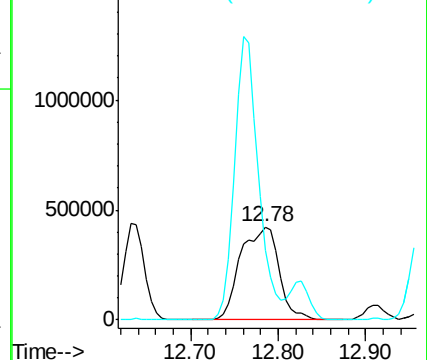
Ion Ratio Lower Upper

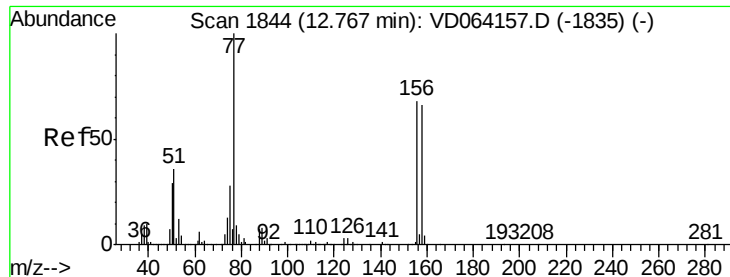
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 146.915 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

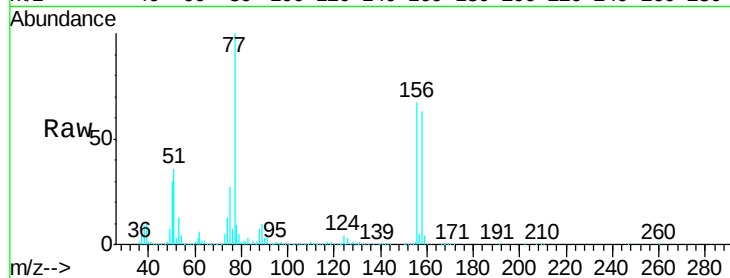
Tgt Ion:156 Resp: 1478874

Ion Ratio Lower Upper

156 100

77 162.0 81.2 243.4

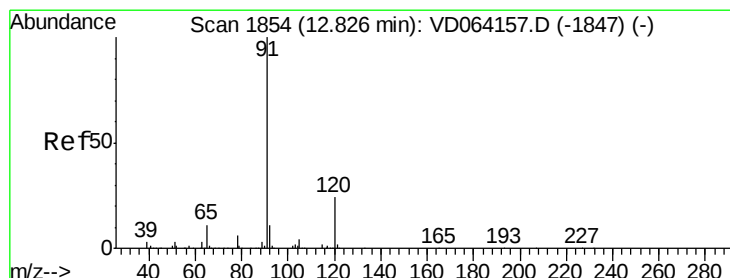
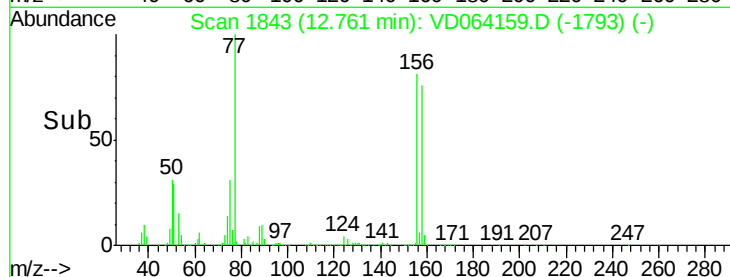
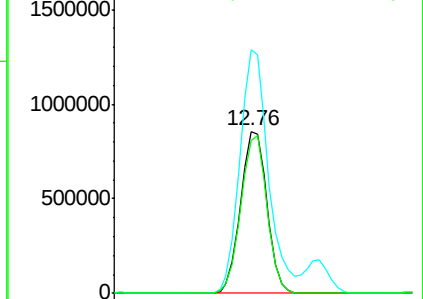
158 96.2 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 140.314 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064159.D

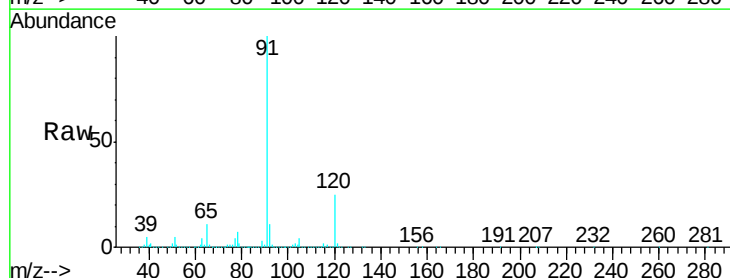
Acq: 08 Nov 2019 15:58

Tgt Ion: 91 Resp: 6804375

Ion Ratio Lower Upper

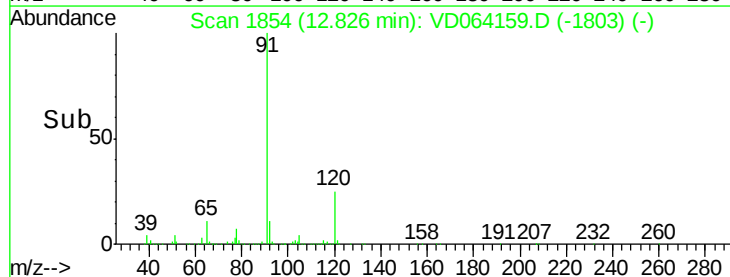
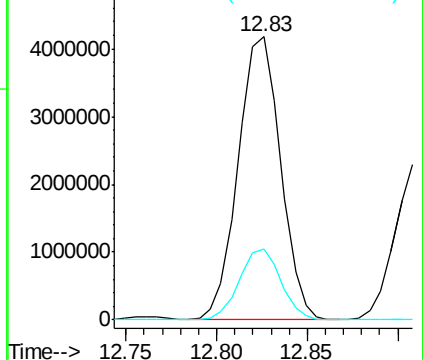
91 100

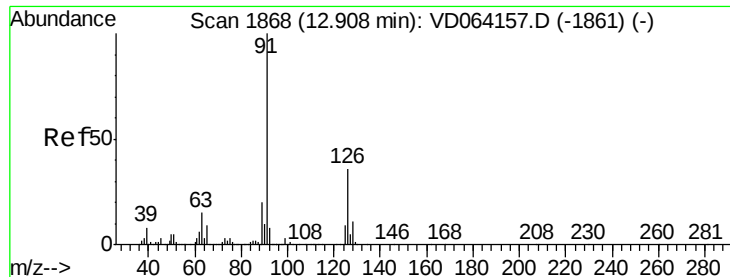
120 24.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 147.503 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

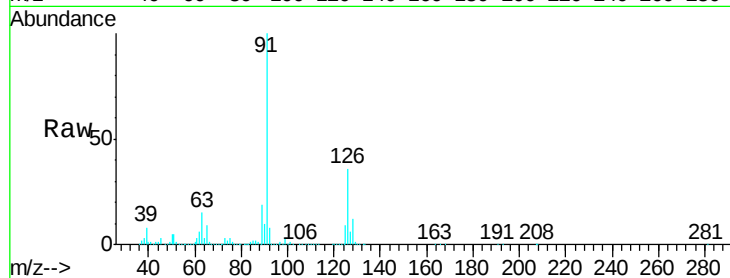
VSTDIC150

Tgt Ion: 91 Resp: 3874333

Ion Ratio Lower Upper

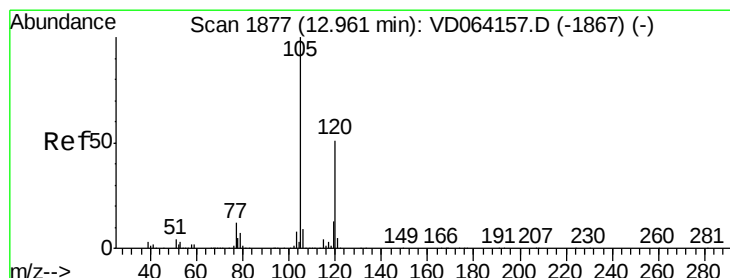
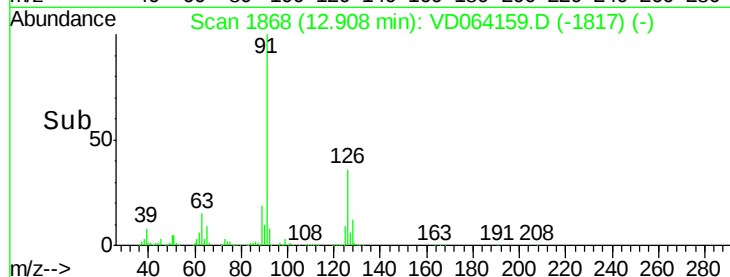
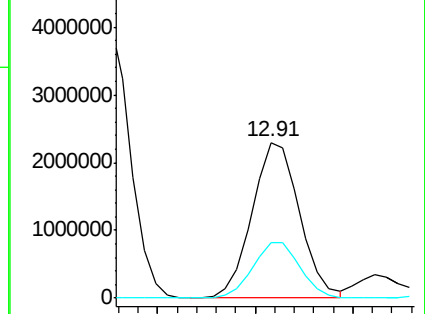
91 100

126 35.7 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 143.679 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD064159.D

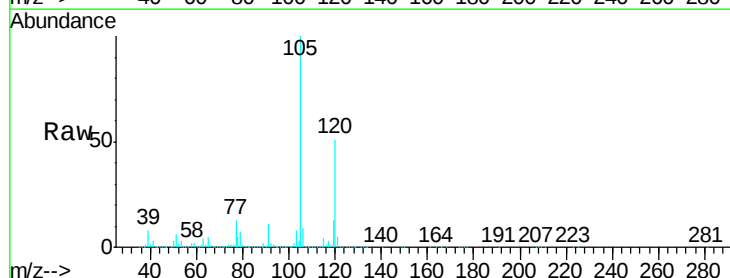
Acq: 08 Nov 2019 15:58

Tgt Ion: 105 Resp: 4963364

Ion Ratio Lower Upper

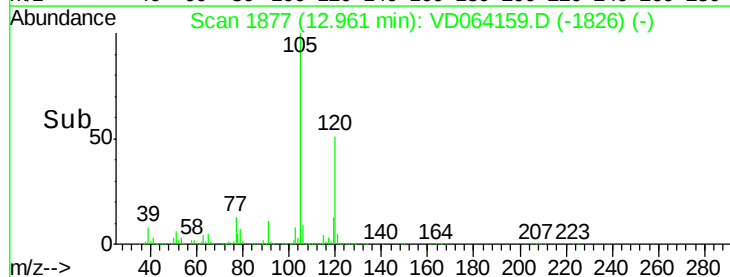
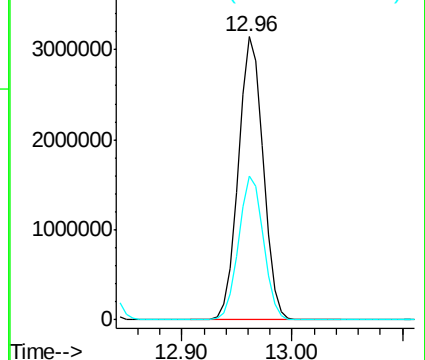
105 100

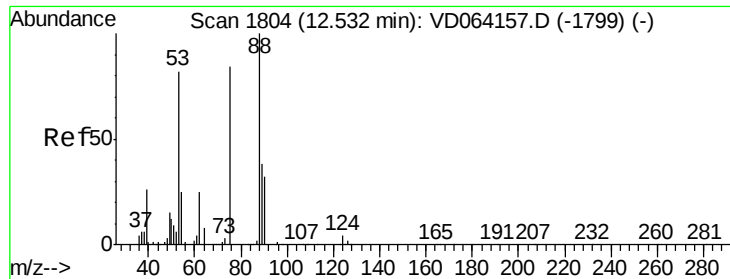
120 50.8 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 169.569 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

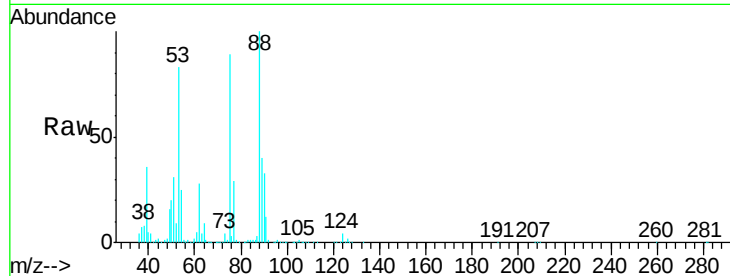
Tgt Ion: 75 Resp: 342039

Ion Ratio Lower Upper

75 100

53 94.3 79.4 119.0

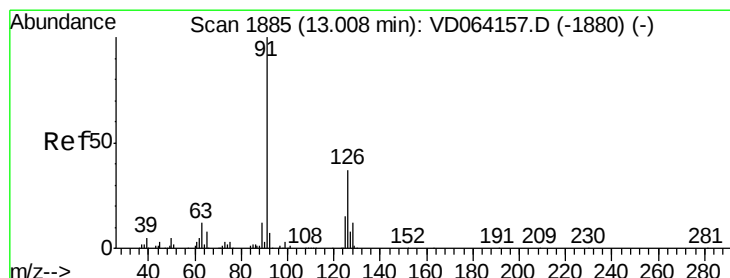
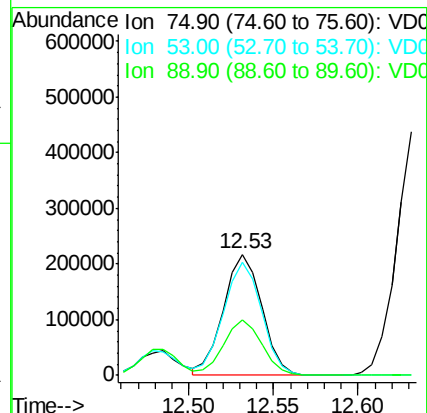
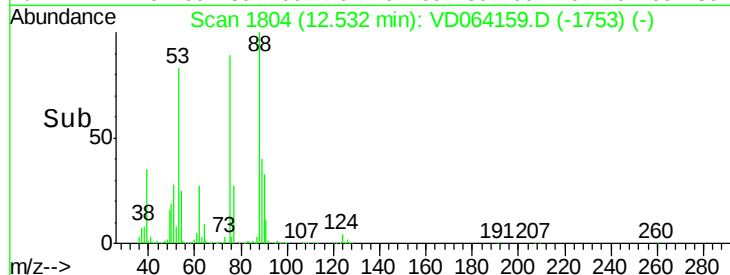
89 46.1 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 147.286 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD064159.D

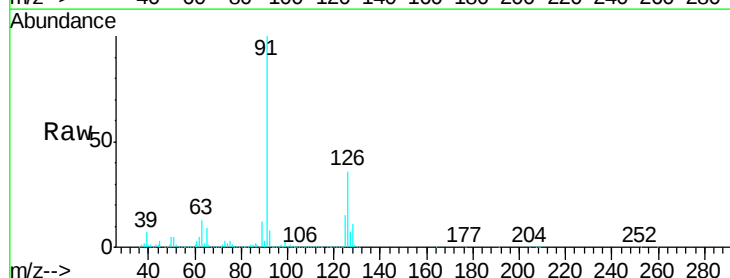
Acq: 08 Nov 2019 15:58

Tgt Ion: 91 Resp: 4102498

Ion Ratio Lower Upper

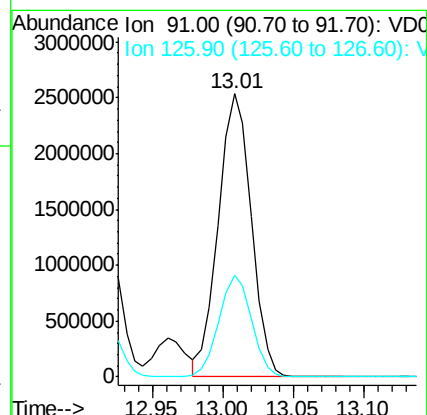
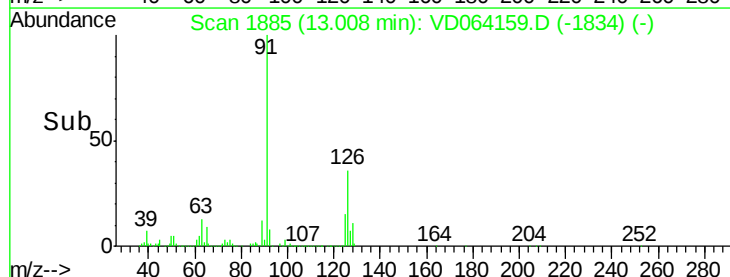
91 100

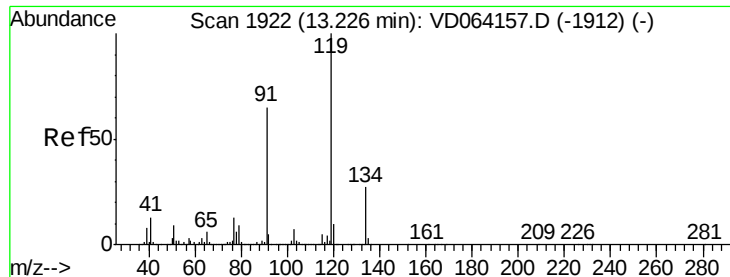
126 35.7 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

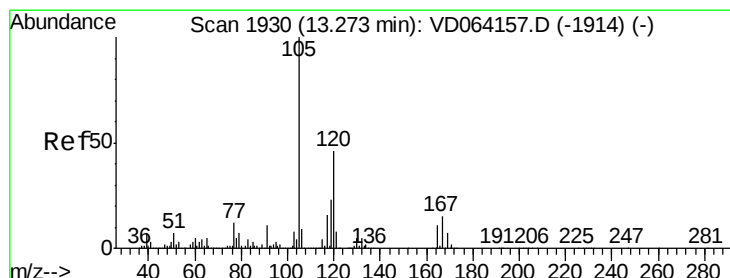
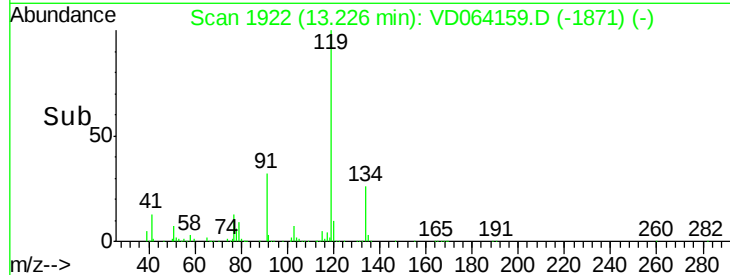
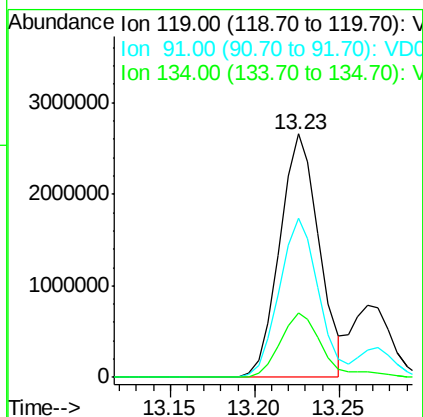
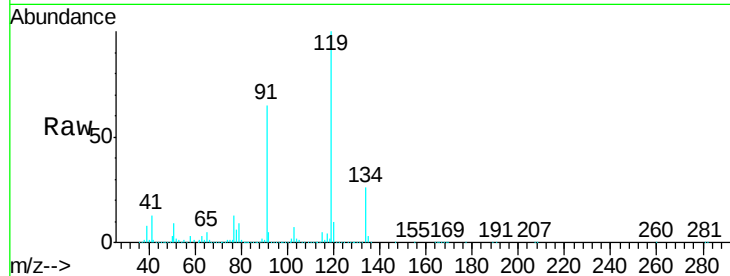




#83
 tert-Butylbenzene
 Concen: 139.359 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

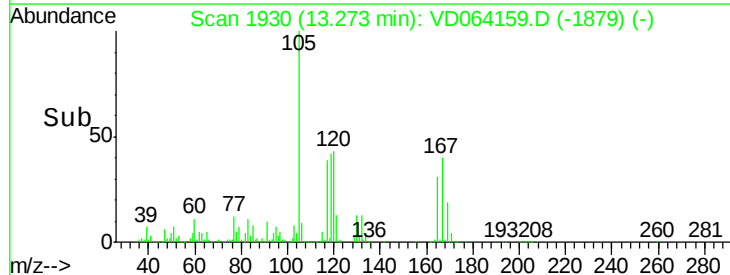
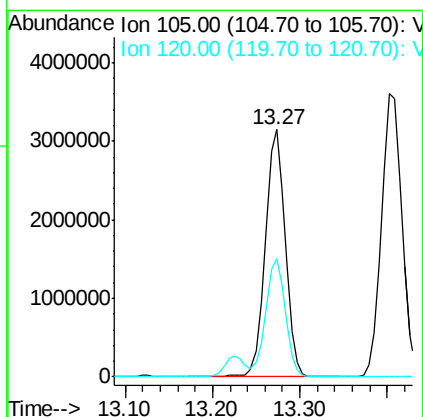
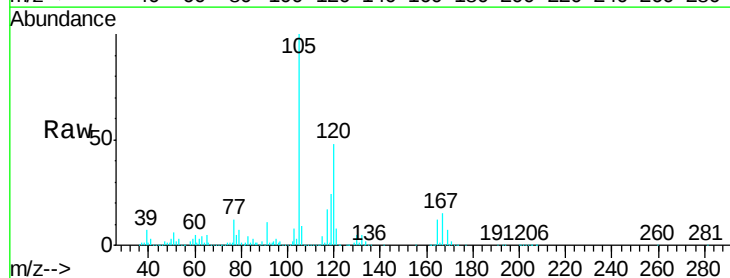
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

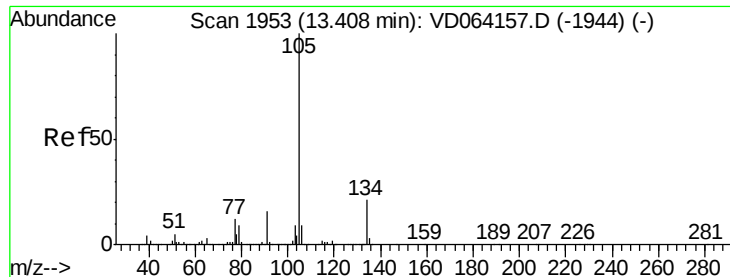
Tgt Ion:119 Resp: 4312713
 Ion Ratio Lower Upper
 119 100
 91 65.3 31.8 95.4
 134 28.4 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 143.533 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion:105 Resp: 4968669
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.3 69.8





#85

sec-Butylbenzene

Concen: 139.040 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

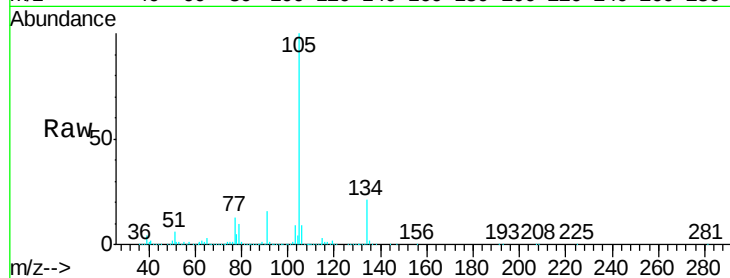
VSTDIC150

Tgt Ion:105 Resp: 5869855

Ion Ratio Lower Upper

105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

4000000

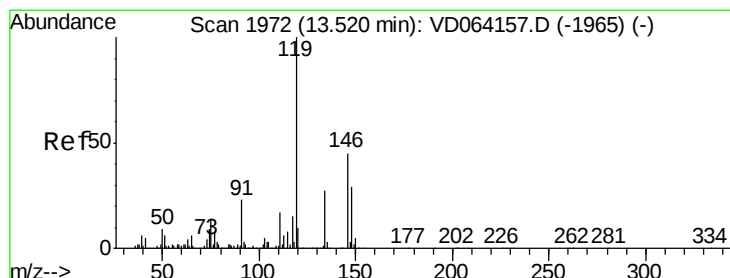
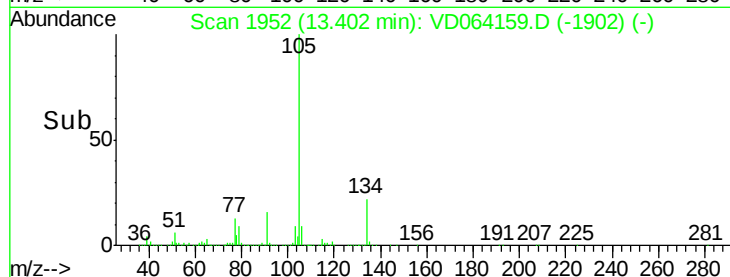
3000000

2000000

1000000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 142.426 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

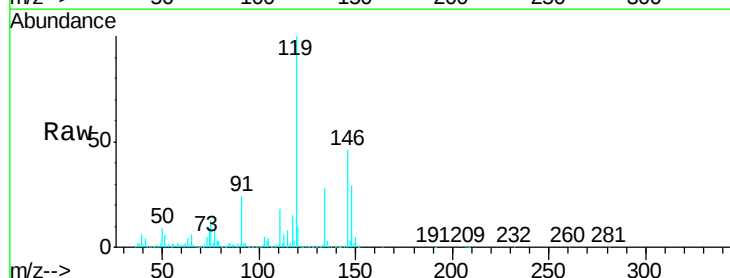
Tgt Ion:119 Resp: 5644927

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 23.2 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

5000000

4000000

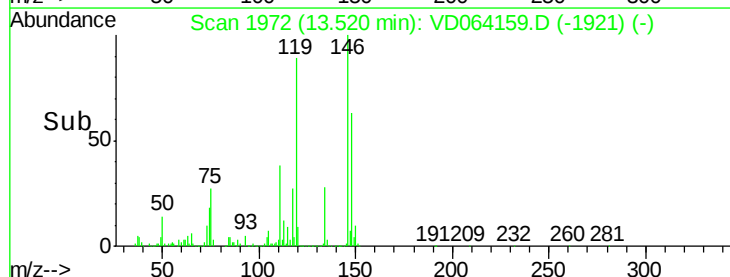
3000000

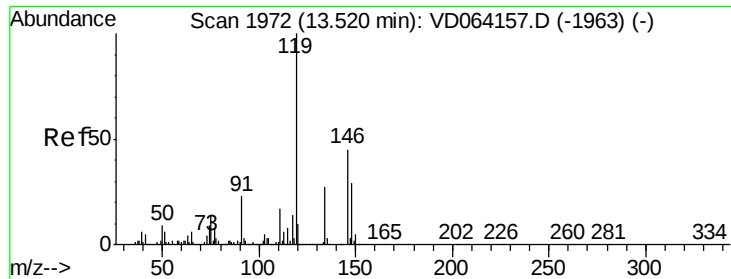
2000000

1000000

0

Time--> 13.50 13.60

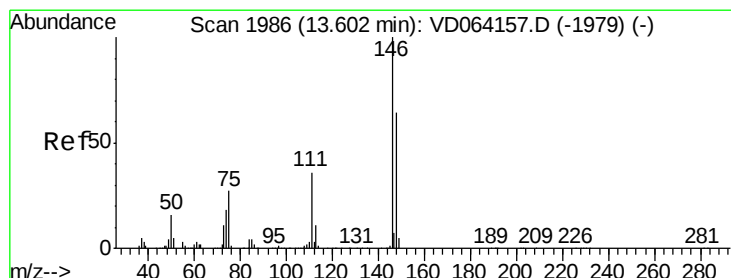
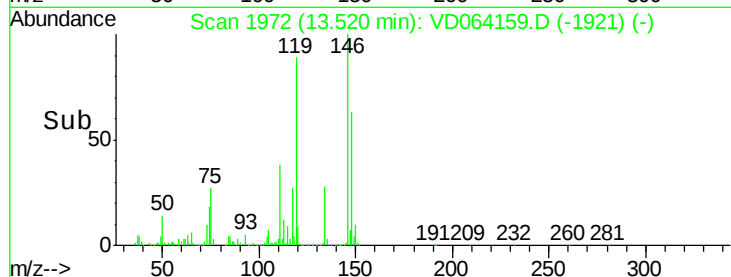
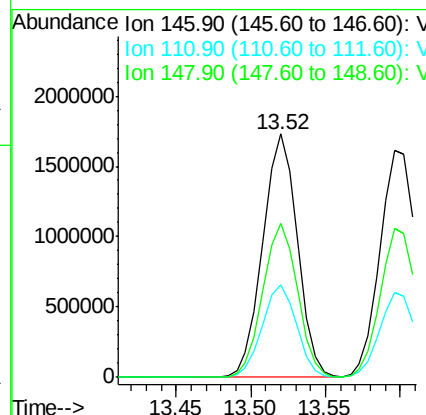
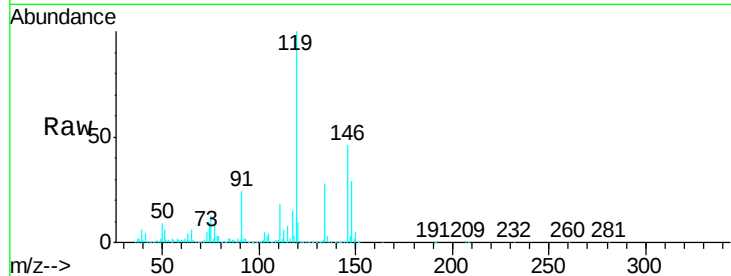




#87
 1,3-Dichlorobenzene
 Concen: 140.902 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

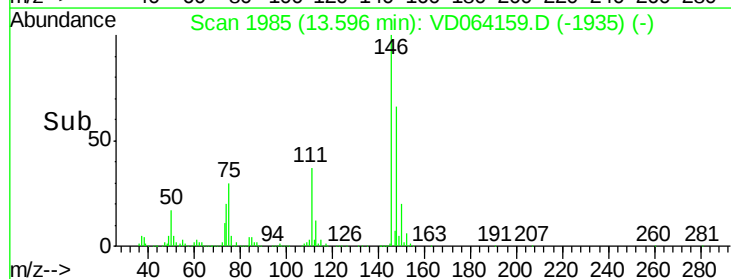
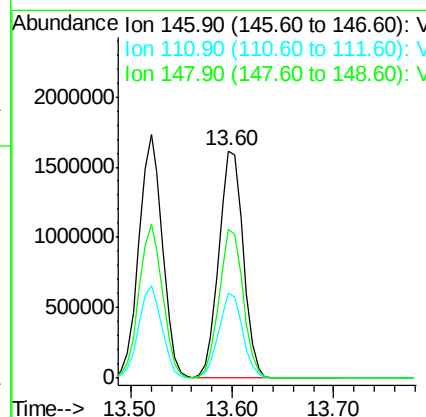
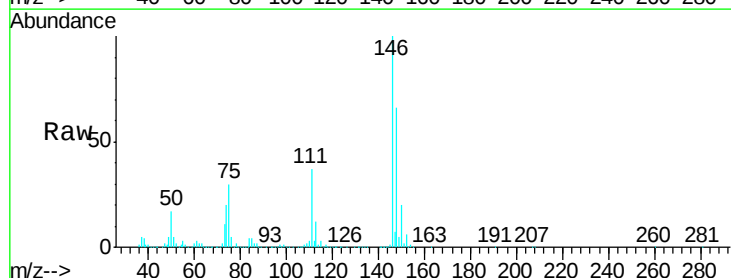
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

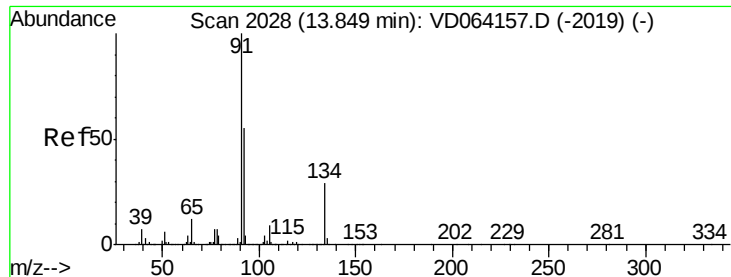
Tgt Ion:146 Resp: 2785649
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.9
 148 63.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 137.790 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion:146 Resp: 2700135
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.4
 148 64.5 31.9 95.7

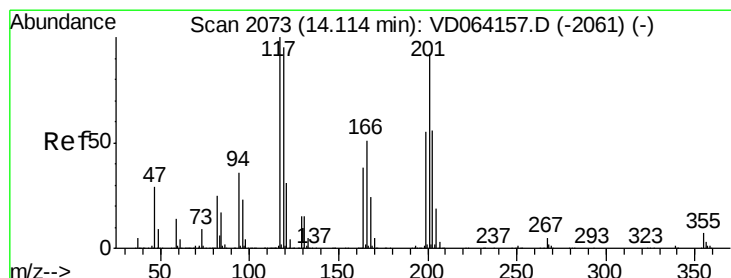
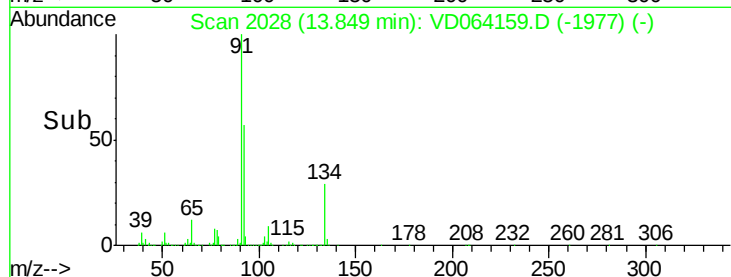
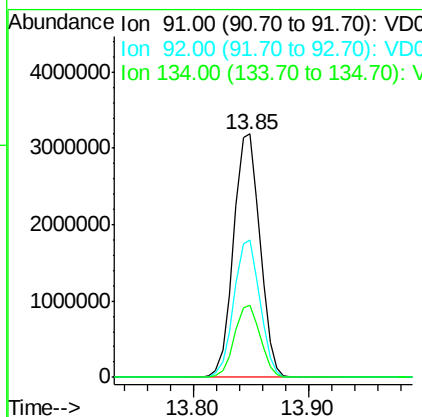
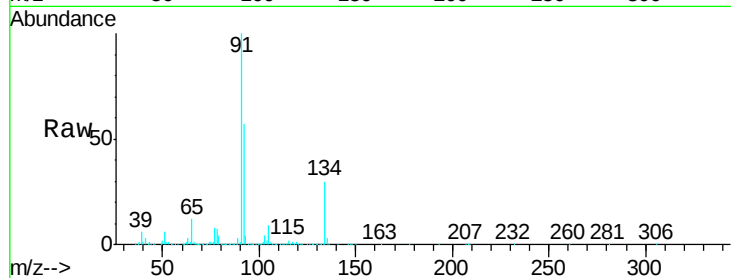




#89
n-Butylbenzene
Concen: 138.471 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

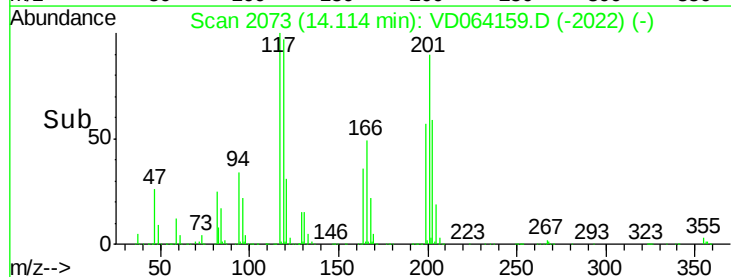
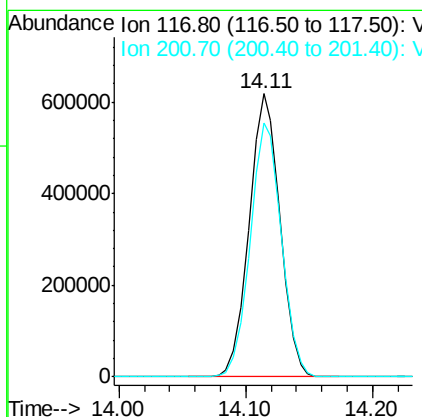
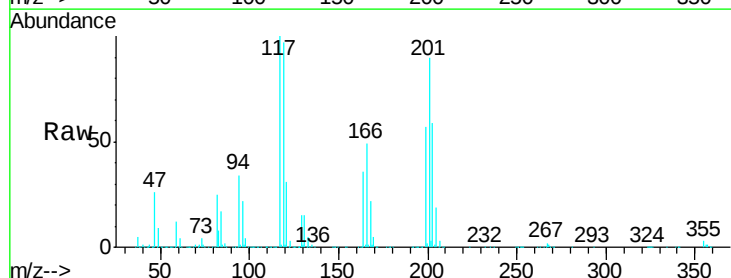
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 5051193
Ion Ratio Lower Upper
91 100
92 55.6 27.3 81.8
134 29.0 14.1 42.4



#90
Hexachloroethane
Concen: 140.444 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 117 Resp: 1047150
Ion Ratio Lower Upper
117 100
201 90.5 45.8 137.4

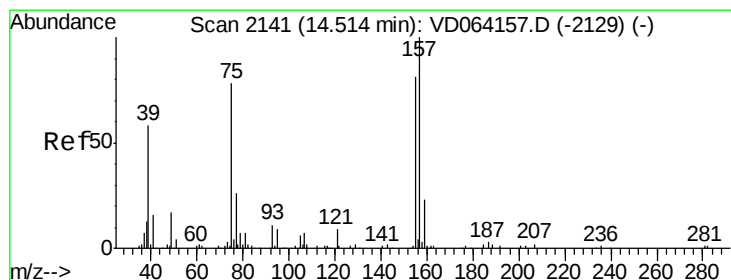
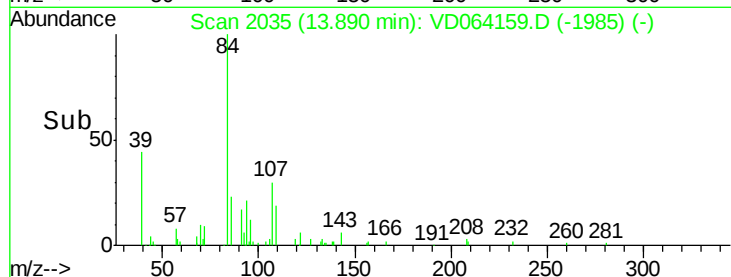
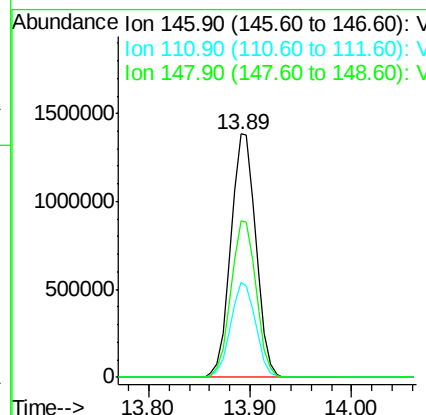
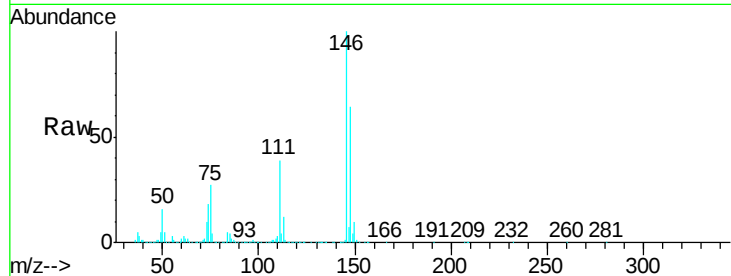




#91
 1,2-Dichlorobenzene
 Concen: 139.341 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

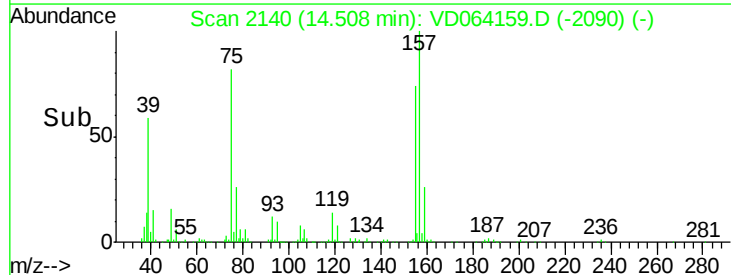
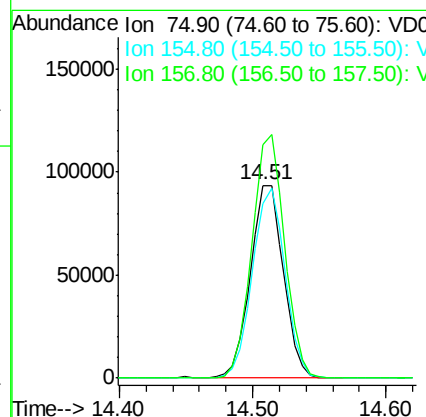
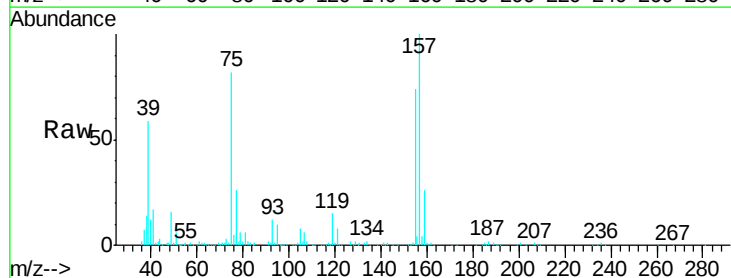
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 2372487
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 64.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 162.222 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion: 75 Resp: 159549
 Ion Ratio Lower Upper
 75 100
 155 97.3 48.0 144.0
 157 124.6 61.5 184.4

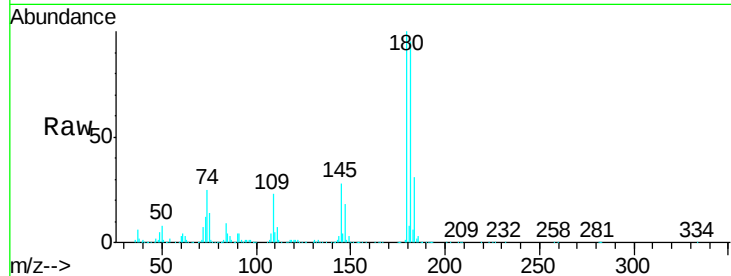




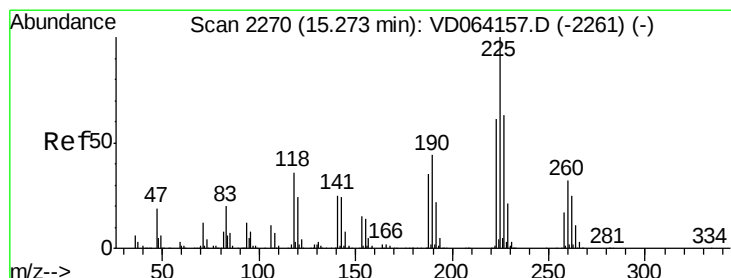
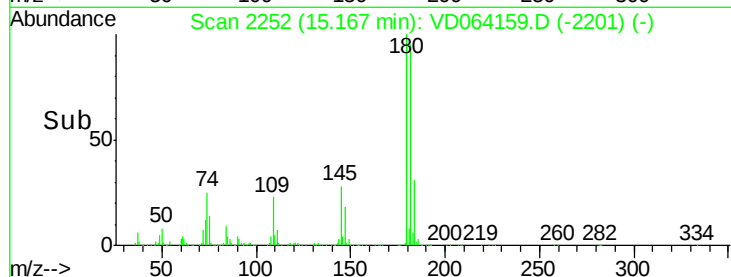
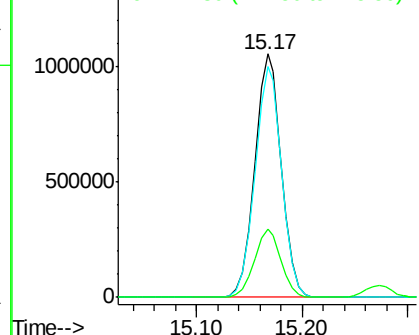
#93
 1,2,4-Trichlorobenzene
 Concen: 147.849 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1829254
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.5 142.5
 145 28.2 14.2 42.6

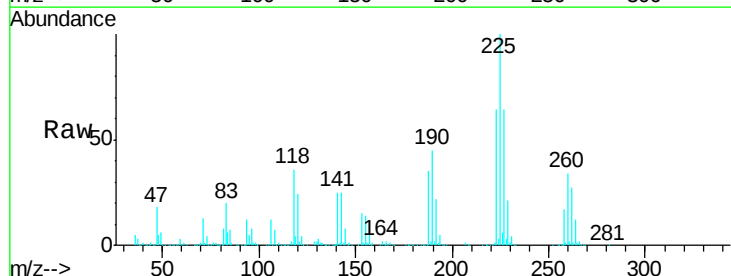


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

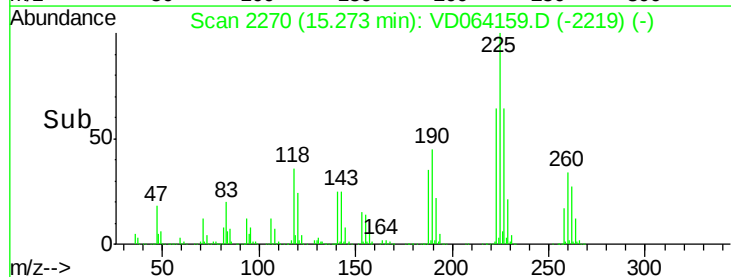
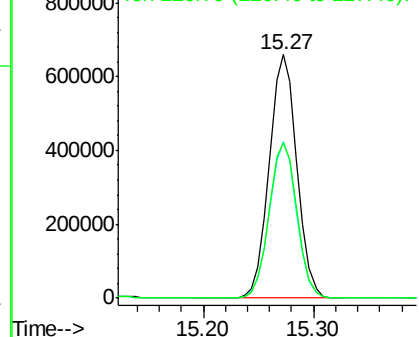


#94
 Hexachlorobutadiene
 Concen: 156.772 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion:225 Resp: 1153205
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.1 93.3
 227 64.4 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 148.982 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

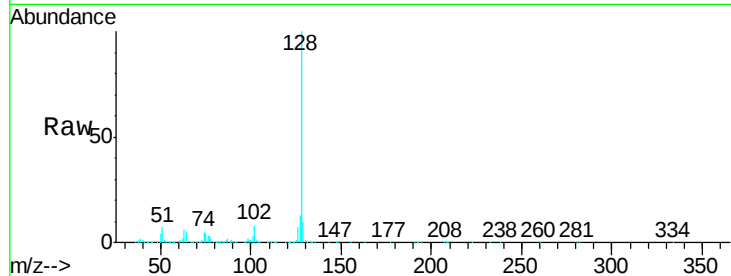
Tgt Ion:128 Resp: 2995448

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

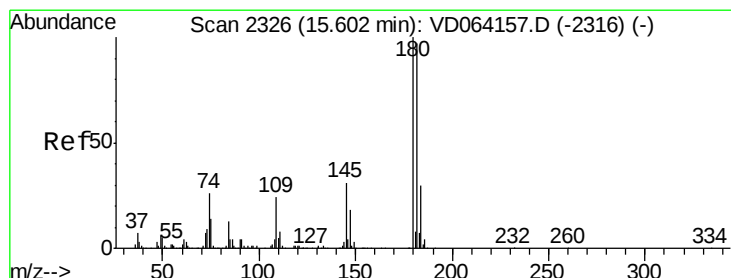
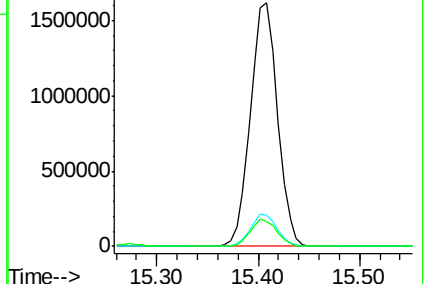
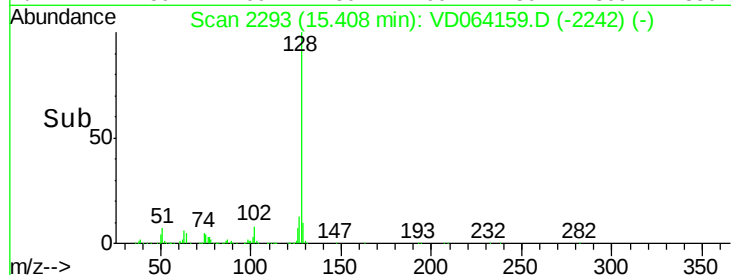
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 144.821 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

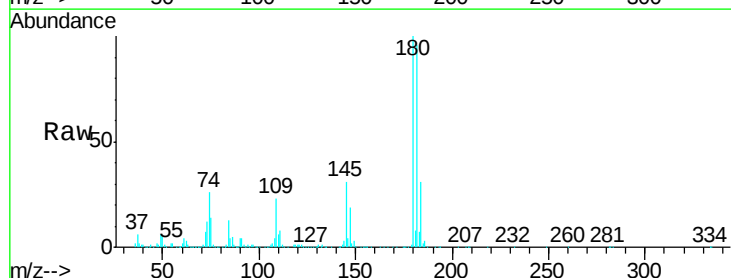
Tgt Ion:180 Resp: 1555426

Ion Ratio Lower Upper

180 100

182 96.1 48.3 144.9

145 30.4 15.3 45.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

