

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110819\
 Data File : VD064157.D
 Acq On : 08 Nov 2019 15:03
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 08 15:36:20 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	909185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1293769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1110839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	540677	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	412305	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	7.92	113	408378	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	10.34	98	1550019	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.64	95	522375	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	388884	42.981	ug/l 100
3) Chloromethane	2.21	50	409873	28.598	ug/l 100
4) Vinyl Chloride	2.35	62	453424	29.291	ug/l 100
5) Bromomethane	2.77	94	288088	28.773	ug/l 100
6) Chloroethane	2.93	64	291061	30.146	ug/l 100
7) Trichlorofluoromethane	3.27	101	732851	33.838	ug/l 100
8) Diethyl Ether	3.71	74	199373	49.332	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	407259	49.020	ug/l 100
10) Methyl Iodide	4.30	142	491225	48.689	ug/l 100
11) Tert butyl alcohol	5.24	59	139103	339.370	ug/l 100
12) 1,1-Dichloroethene	4.06	96	397674	50.223	ug/l 100
13) Acrolein	3.93	56	132252	280.928	ug/l 100
14) Allyl chloride	4.71	41	716267	71.302	ug/l 100
15) Acrylonitrile	5.43	53	421672	278.617	ug/l 100
16) Acetone	4.17	43	482109	336.171	ug/l 100
17) Carbon Disulfide	4.40	76	1259931	51.737	ug/l 100
18) Methyl Acetate	4.72	43	246426	63.472	ug/l 100
19) Methyl tert-butyl Ether	5.49	73	954603	57.817	ug/l 100
20) Methylene Chloride	4.97	84	430673	44.019	ug/l 100
21) trans-1,2-Dichloroethene	5.47	96	449222	50.635	ug/l 100
22) Diisopropyl ether	6.37	45	1304991	61.179	ug/l 100
23) Vinyl Acetate	6.31	43	3774408	321.654	ug/l 100
24) 1,1-Dichloroethane	6.27	63	766465	54.609	ug/l 100
25) 2-Butanone	7.23	43	599567	304.558	ug/l 100
26) 2,2-Dichloropropane	7.21	77	738553	55.193	ug/l 100
27) cis-1,2-Dichloroethene	7.22	96	479725	48.689	ug/l 100
28) Bromochloromethane	7.55	49	278245	55.126	ug/l 100
29) Tetrahydrofuran	7.57	42	360150	310.970	ug/l 100
30) Chloroform	7.71	83	777040	49.198	ug/l 100
31) Cyclohexane	7.98	56	720207	52.418	ug/l 100
32) 1,1,1-Trichloroethane	7.91	97	737667	50.080	ug/l 100
36) 1,1-Dichloropropene	8.11	75	624965	51.242	ug/l 100
37) Ethyl Acetate	7.30	43	257994	65.509	ug/l 100
38) Carbon Tetrachloride	8.10	117	670088	50.782	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110819\
 Data File : VD064157.D
 Acq On : 08 Nov 2019 15:03
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 08 15:36:20 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)
39) Methylcyclohexane	9.36	83	777048	52.434	ug/l	100
40) Benzene	8.35	78	1715423	51.832	ug/l	100
41) Methacrylonitrile	7.53	41	172839	73.276	ug/l	100
42) 1,2-Dichloroethane	8.43	62	506872	57.031	ug/l	100
43) Isopropyl Acetate	8.46	43	538524	66.938	ug/l	100
44) Trichloroethene	9.11	130	511997	51.281	ug/l	100
45) 1,2-Dichloropropane	9.39	63	414053	53.422	ug/l	100
46) Dibromomethane	9.48	93	221276	48.631	ug/l	100
47) Bromodichloromethane	9.67	83	596139	51.471	ug/l	100
48) Methyl methacrylate	9.46	41	256886	68.806	ug/l	100
49) 1,4-Dioxane	9.47	88	51090	994.424	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	1278320	302.421	ug/l	100
52) Toluene	10.41	92	1117980	48.917	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	598839	54.967	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	699345	54.391	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	300065	46.931	ug/l	100
56) Ethyl methacrylate	10.66	69	419951	58.281	ug/l	100
57) 1,3-Dichloropropane	10.95	76	522719	49.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	848723	288.432	ug/l	100
59) 2-Hexanone	10.99	43	927727	309.784	ug/l	100
60) Dibromochloromethane	11.14	129	415356	47.747	ug/l	100
61) 1,2-Dibromoethane	11.25	107	300273	47.104	ug/l	100
64) Tetrachloroethene	10.88	164	448620	55.196	ug/l	100
65) Chlorobenzene	11.67	112	1170988	51.032	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	445479	51.688	ug/l	100
67) Ethyl Benzene	11.75	91	2121272	51.823	ug/l	100
68) m/p-Xylenes	11.86	106	1640447	100.535	ug/l	100
69) o-Xylene	12.18	106	757628	50.796	ug/l	100
70) Styrene	12.20	104	1324766	51.620	ug/l	100
71) Bromoform	12.36	173	255279	54.811	ug/l #	100
73) Isopropylbenzene	12.48	105	2069558	54.101	ug/l	100
74) N-amyl acetate	12.29	43	480254	70.870	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	307358	51.257	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	428485	114.323	ug/l #	100
77) Bromobenzene	12.77	156	503597	54.330	ug/l	100
78) n-propylbenzene	12.83	91	2381115	53.324	ug/l	100
79) 2-Chlorotoluene	12.91	91	1335504	55.217	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1694114	53.258	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	114233	61.502	ug/l	100
82) 4-Chlorotoluene	13.01	91	1384488	53.979	ug/l	100
83) tert-Butylbenzene	13.23	119	1507330	52.895	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1677843	52.637	ug/l	100
85) sec-Butylbenzene	13.41	105	2028292	52.175	ug/l	100
86) p-Isopropyltoluene	13.52	119	1914595	52.461	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	921849	50.638	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	927675	51.411	ug/l	100
89) n-Butylbenzene	13.85	91	1745825	51.975	ug/l	100
90) Hexachloroethane	14.11	117	351797	51.240	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	792466	50.545	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	53568	59.149	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110819\
Data File : VD064157.D
Acq On : 08 Nov 2019 15:03
Operator : VA/SY
Sample : VSTDICCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Quant Time: Nov 08 15:36:20 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

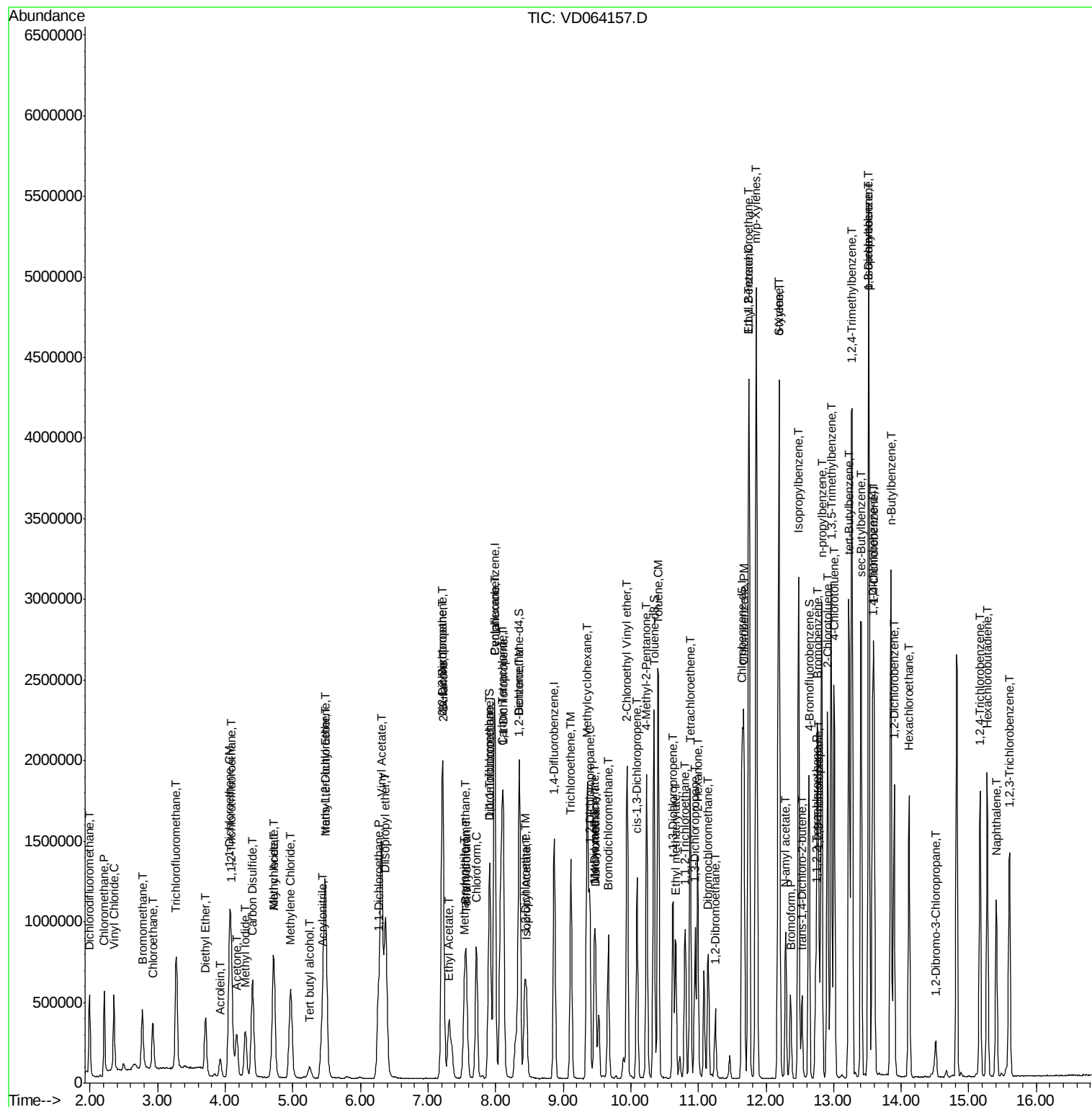
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	616038	54.073	ug/l	100
94) Hexachlorobutadiene	15.27	225	396497	58.537	ug/l	100
95) Naphthalene	15.41	128	997088	53.856	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	516610	52.236	ug/l	100

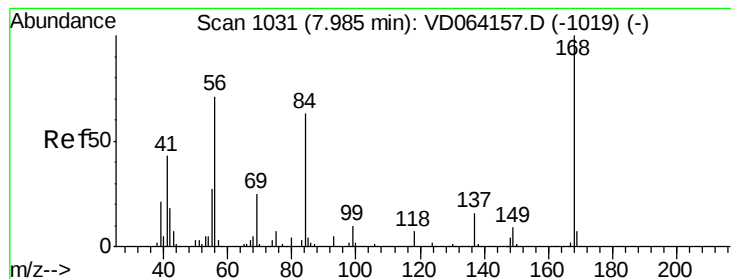
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD110819\
Data File : VD064157.D
Acq On : 08 Nov 2019 15:03
Operator : VA/SY
Sample : VSTDICCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Quant Time: Nov 08 15:36:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 08 15:32:18 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

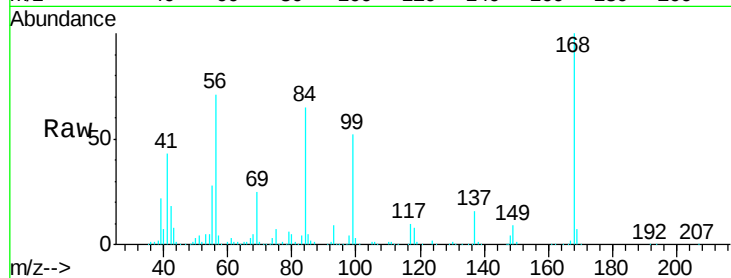
VSTDICCC050

Tgt Ion:168 Resp: 909185

Ion Ratio Lower Upper

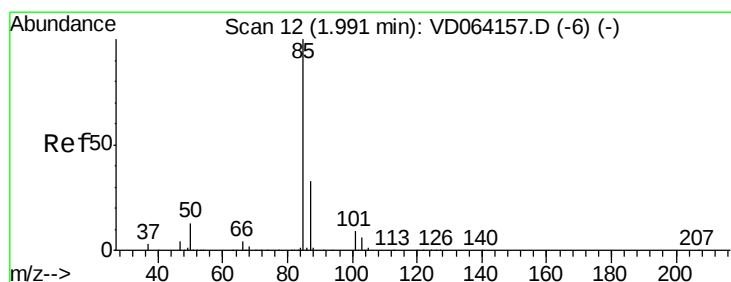
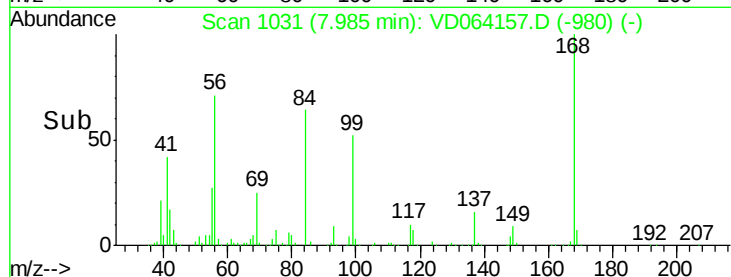
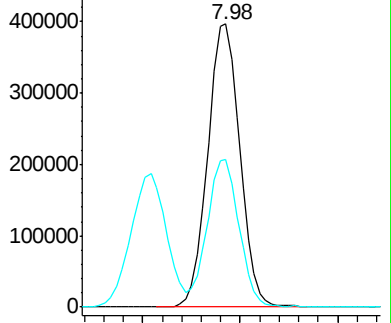
168 100

99 52.0 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: 42.981 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064157.D

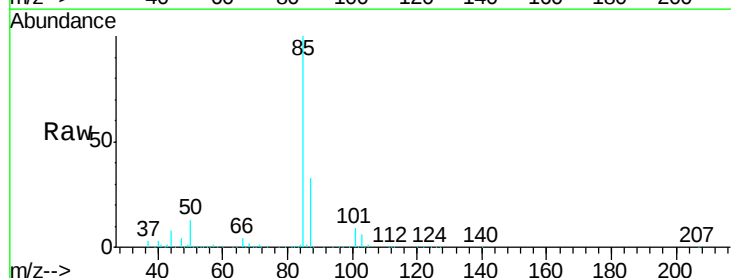
Acq: 08 Nov 2019 15:03

Tgt Ion: 85 Resp: 388884

Ion Ratio Lower Upper

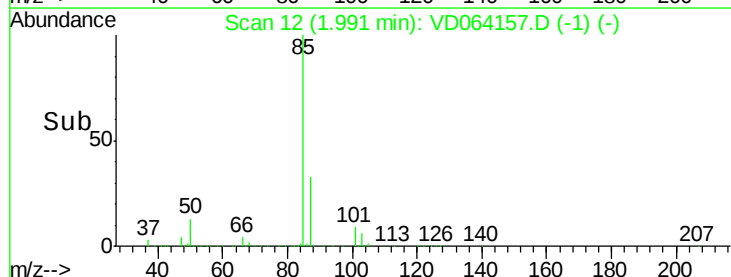
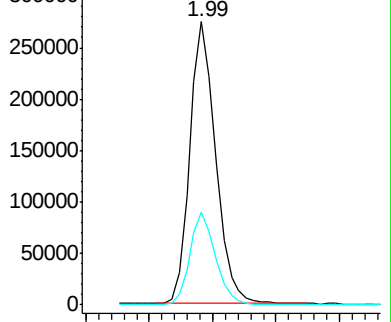
85 100

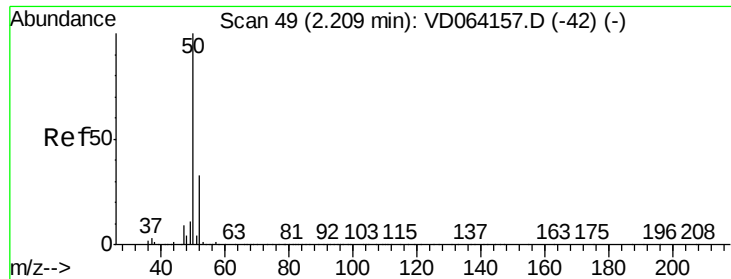
87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 28.598 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

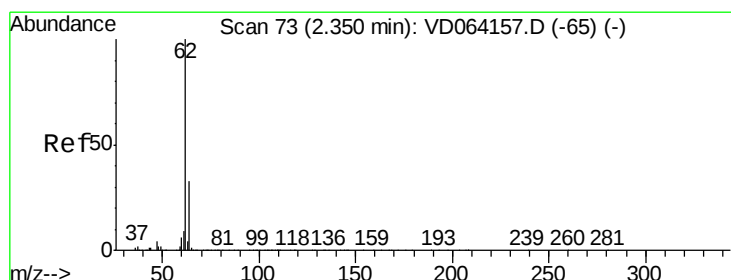
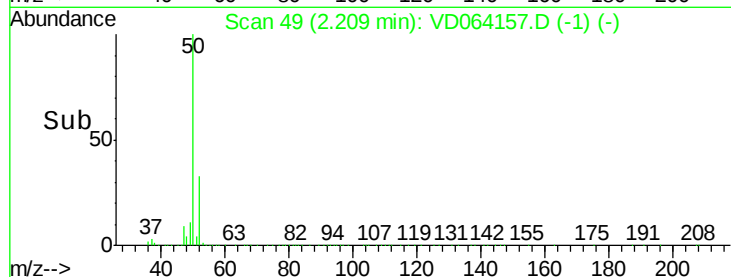
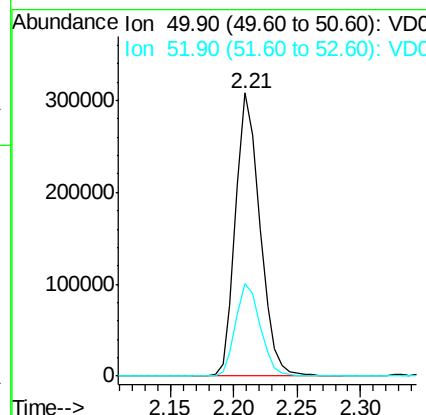
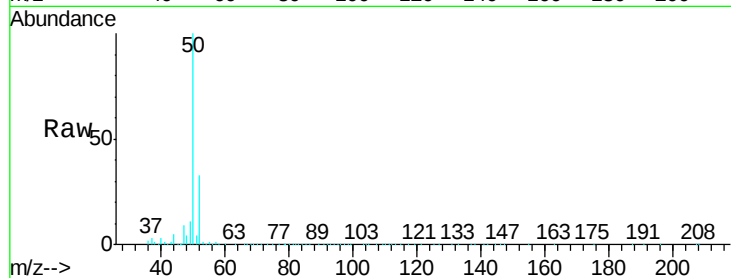
VSTDICCC050

Tgt Ion: 50 Resp: 409873

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 29.291 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064157.D

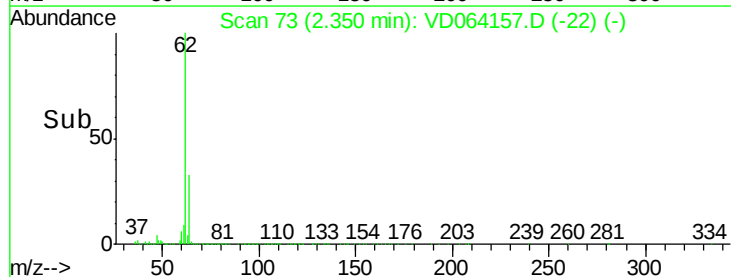
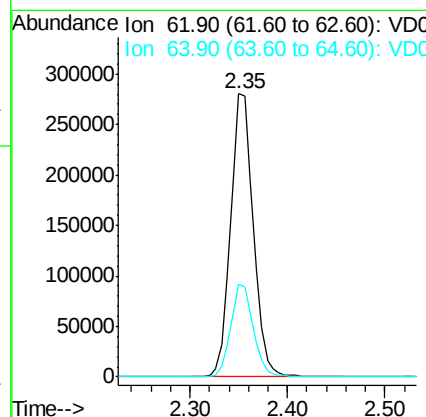
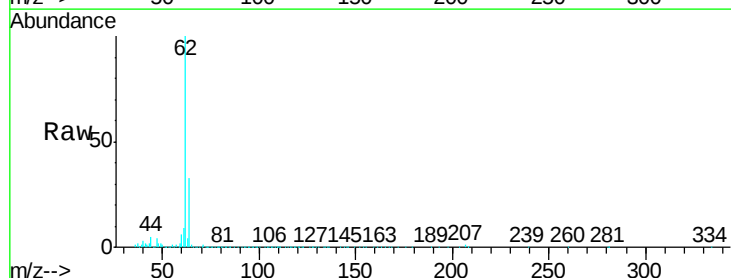
Acq: 08 Nov 2019 15:03

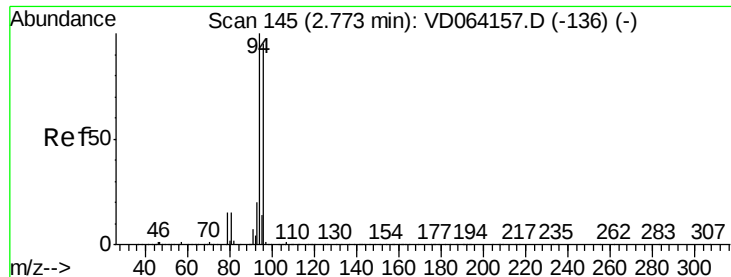
Tgt Ion: 62 Resp: 453424

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2





#5

Bromomethane

Concen: 28.773 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

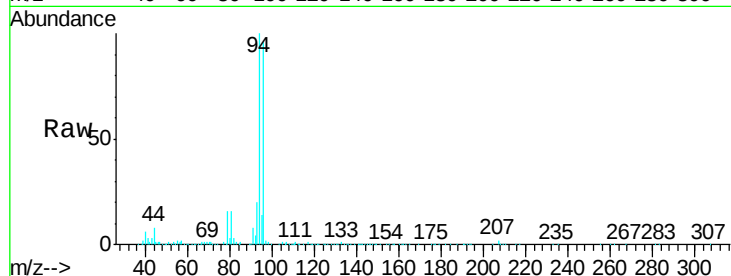
VSTDICCC050

Tgt Ion: 94 Resp: 288088

Ion Ratio Lower Upper

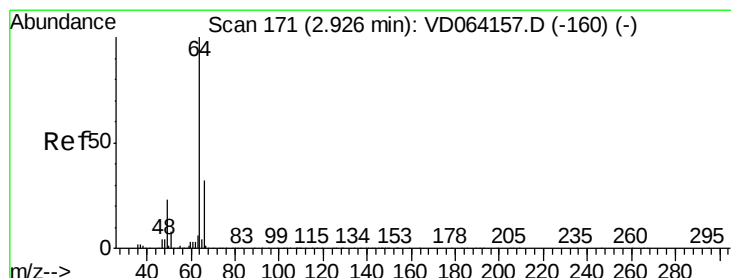
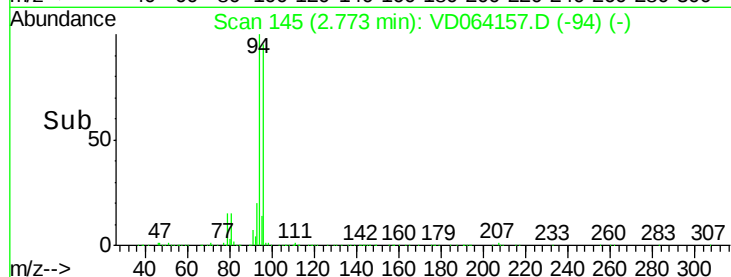
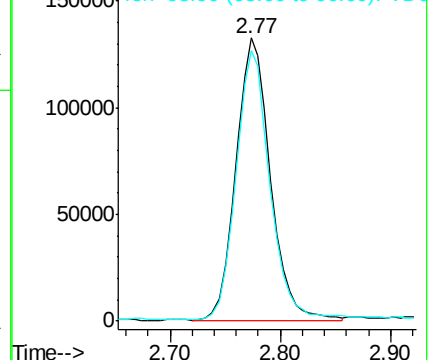
94 100

96 95.3 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 30.146 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064157.D

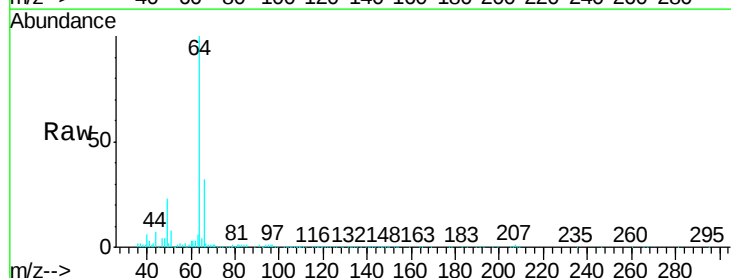
Acq: 08 Nov 2019 15:03

Tgt Ion: 64 Resp: 291061

Ion Ratio Lower Upper

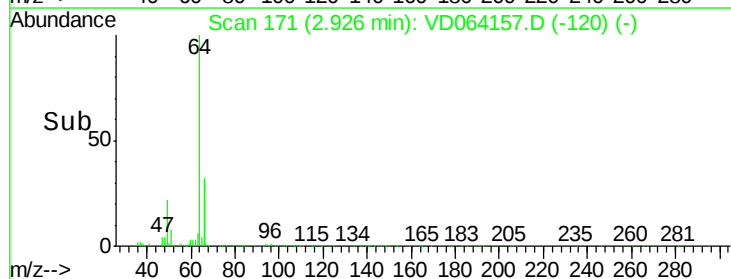
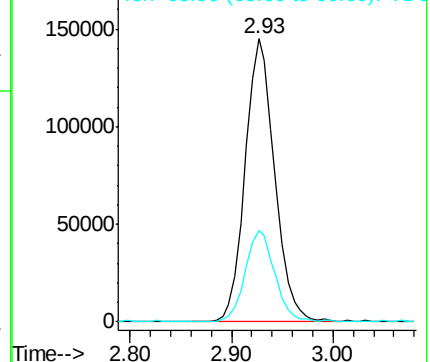
64 100

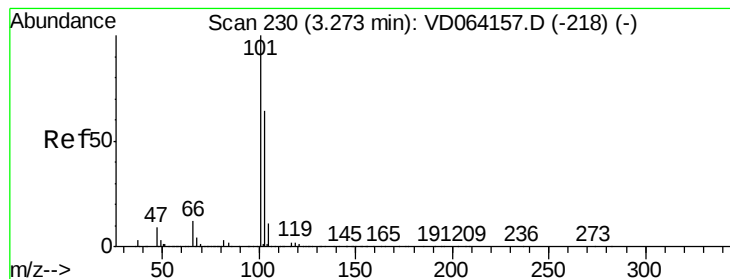
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



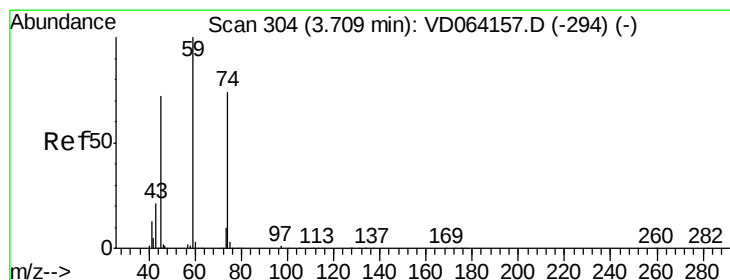
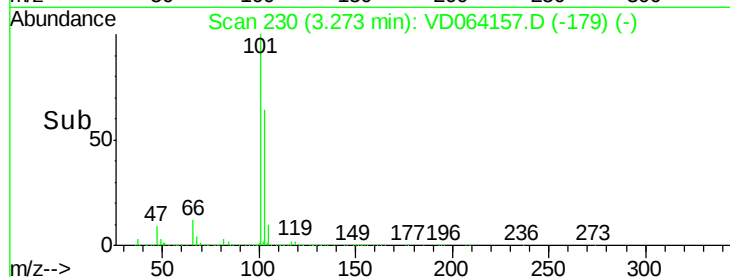
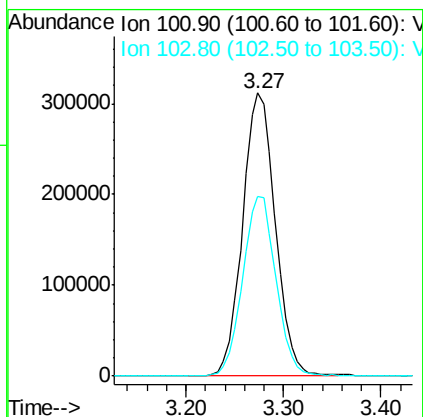
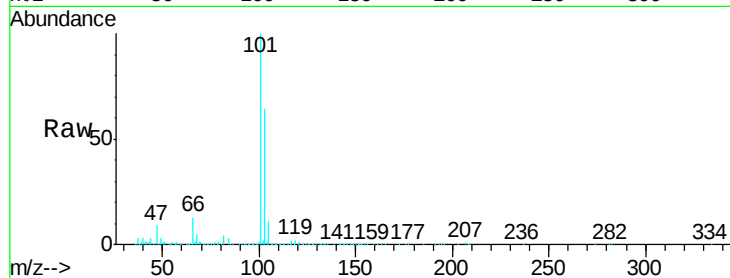


#7

Trichlorofluoromethane
 Concen: 33.838 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

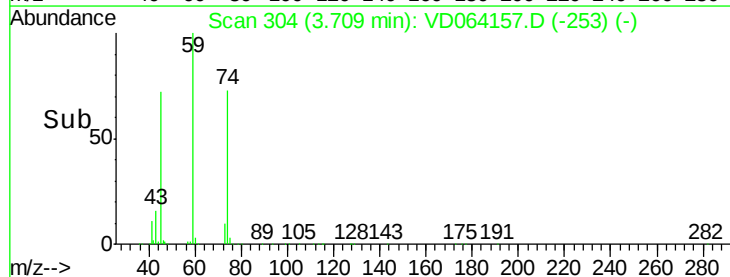
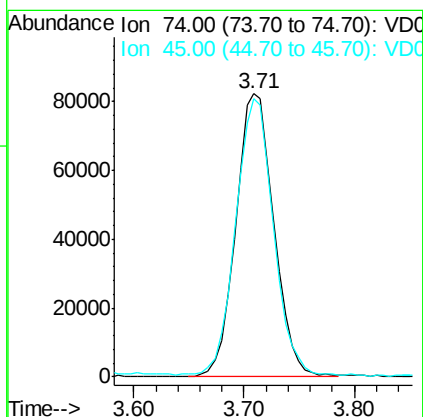
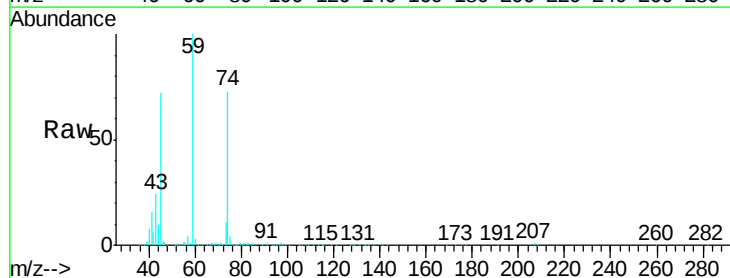
Tgt Ion:101 Resp: 732851
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.8 76.2



#8

Diethyl Ether
 Concen: 49.332 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion: 74 Resp: 199373
 Ion Ratio Lower Upper
 74 100
 45 95.8 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.020 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

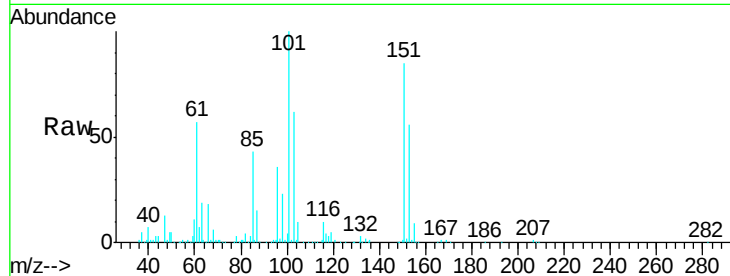
Tgt Ion:101 Resp: 407259

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

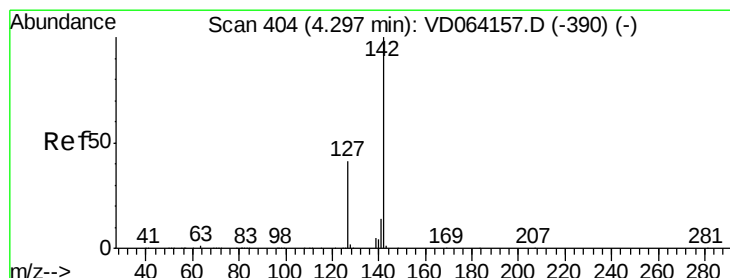
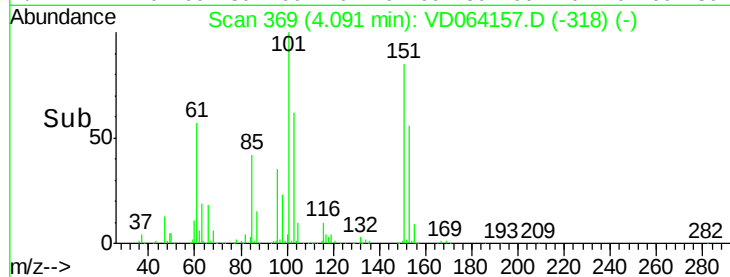
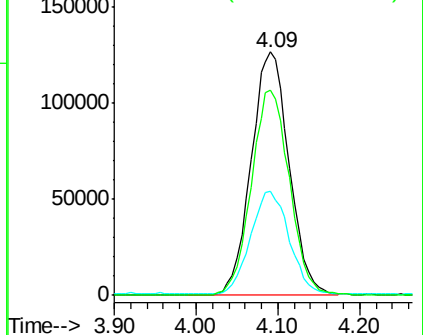
151 85.1 68.1 102.1



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: 48.689 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

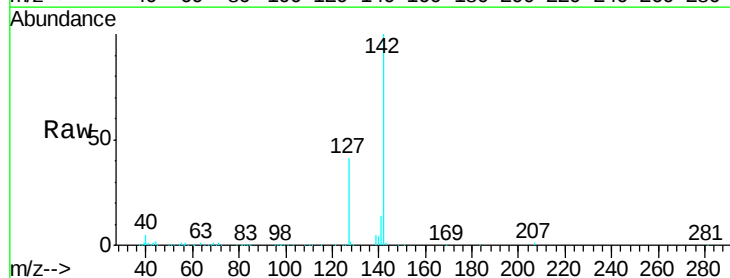
Tgt Ion:142 Resp: 491225

Ion Ratio Lower Upper

142 100

127 43.0 34.4 51.6

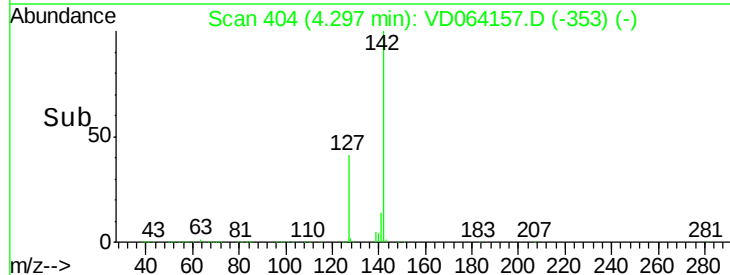
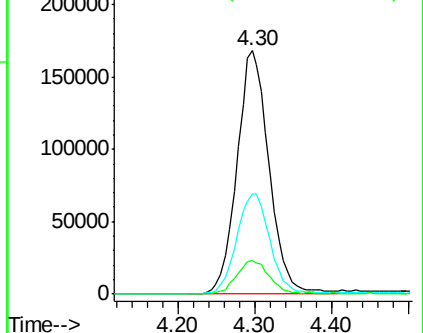
141 14.0 11.2 16.8

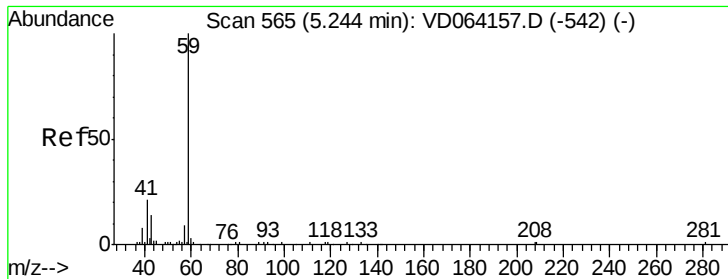


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

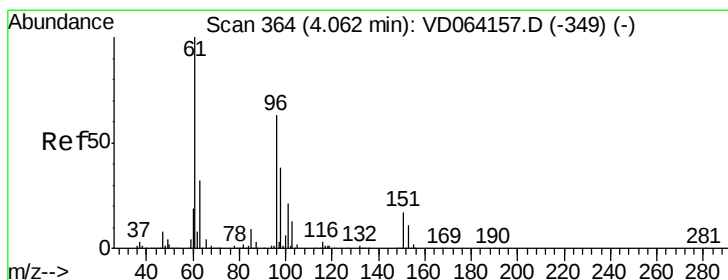
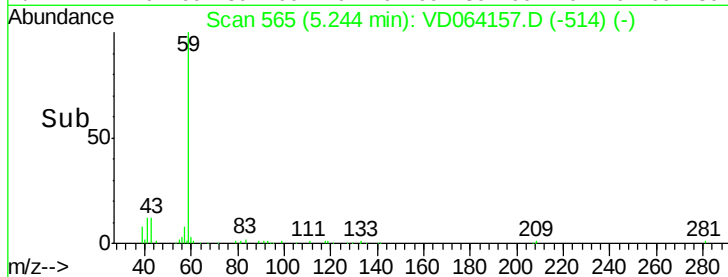
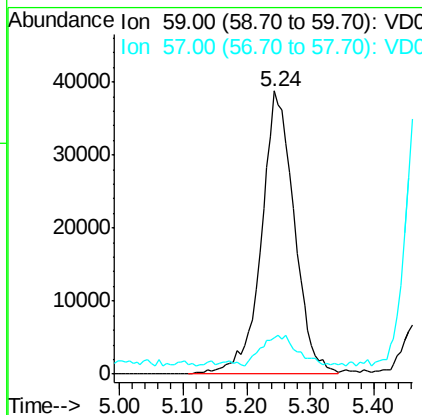
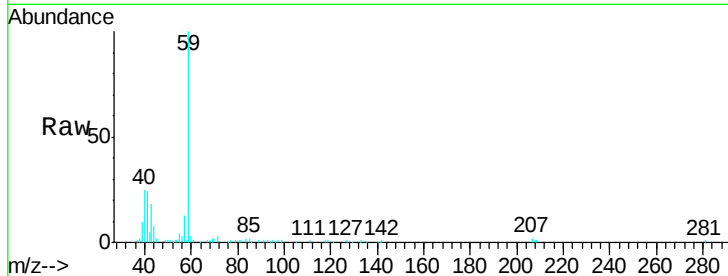




#11
Tert butyl alcohol
Concen: 339.370 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

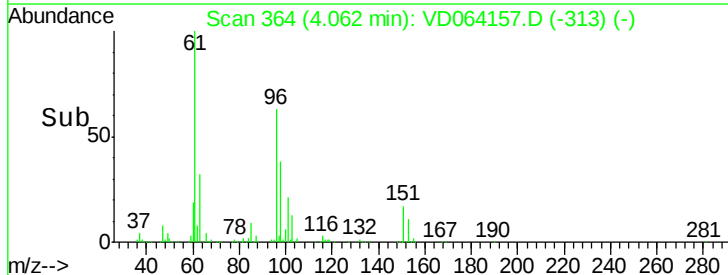
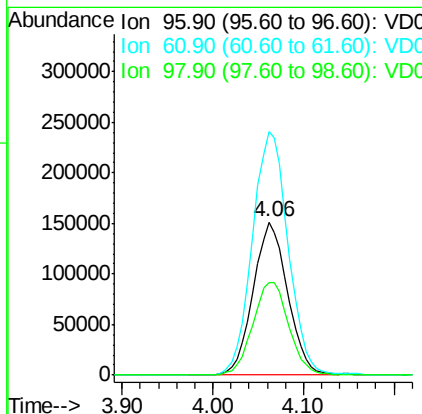
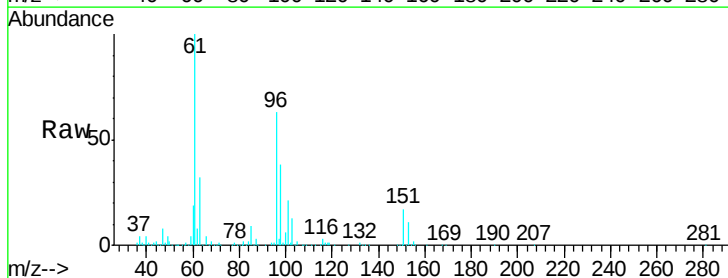
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

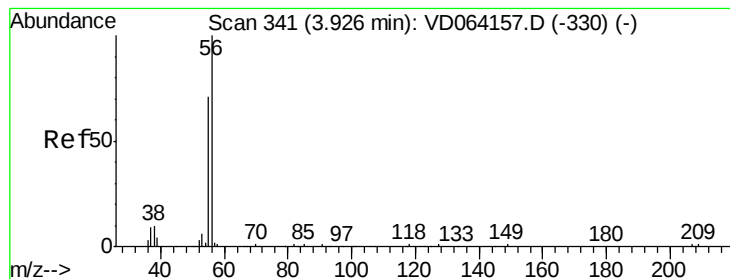
Tgt Ion: 59 Resp: 139103
Ion Ratio Lower Upper
59 100
57 11.8 9.4 14.2



#12
1,1-Dichloroethene
Concen: 50.223 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion: 96 Resp: 397674
Ion Ratio Lower Upper
96 100
61 159.3 127.4 191.2
98 60.1 48.1 72.1





#13

Acrolein

Concen: 280.928 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

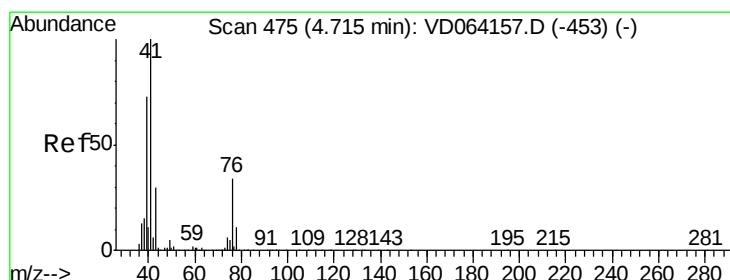
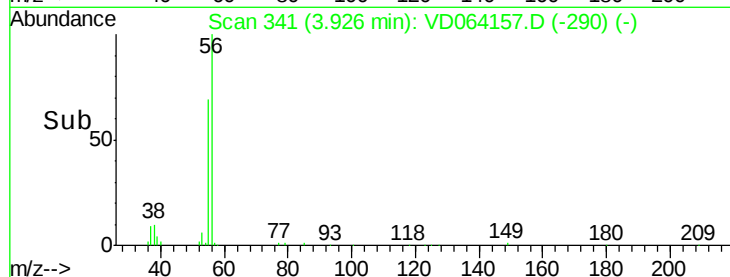
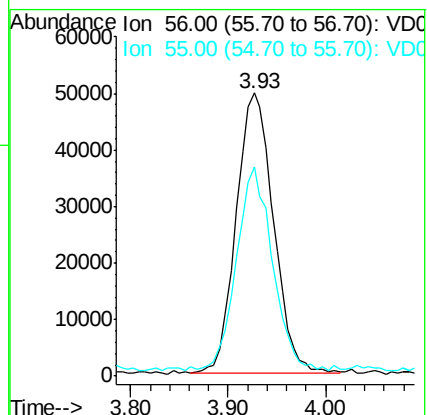
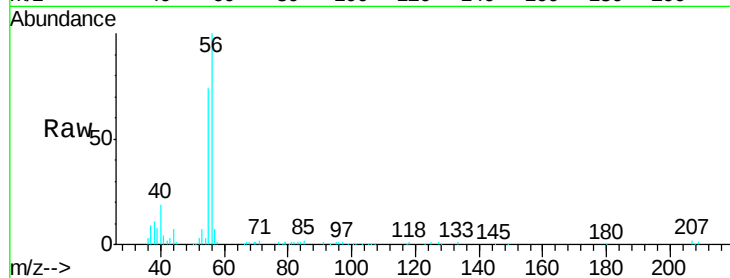
VSTDICCC050

Tgt Ion: 56 Resp: 132252

Ion Ratio Lower Upper

56 100

55 70.1 56.1 84.1



#14

Allyl chloride

Concen: 71.302 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

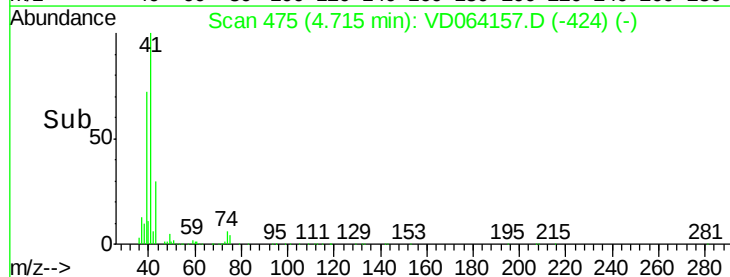
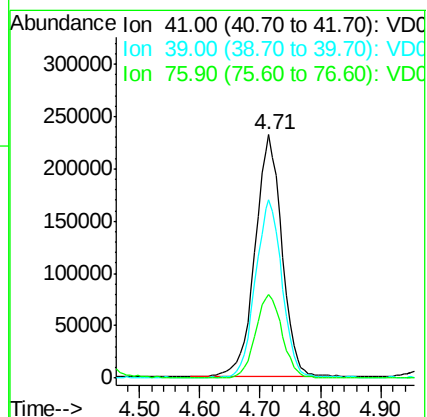
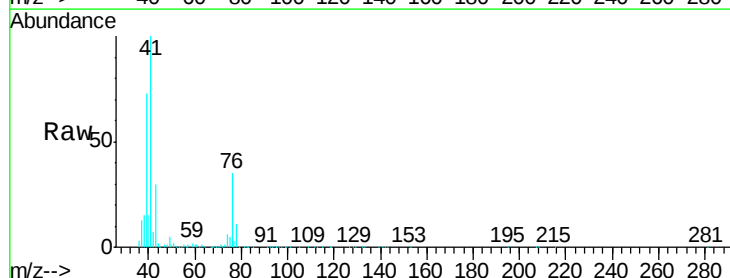
Tgt Ion: 41 Resp: 716267

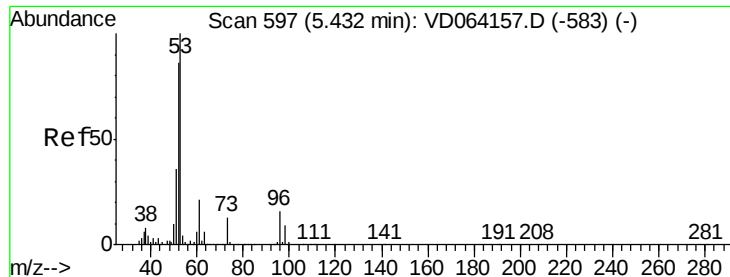
Ion Ratio Lower Upper

41 100

39 71.9 57.5 86.3

76 33.5 26.8 40.2





#15

Acrylonitrile

Concen: 278.617 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

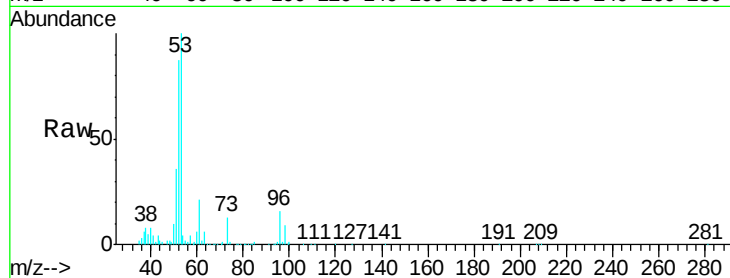
Tgt Ion: 53 Resp: 421672

Ion Ratio Lower Upper

53 100

52 83.4 66.7 100.1

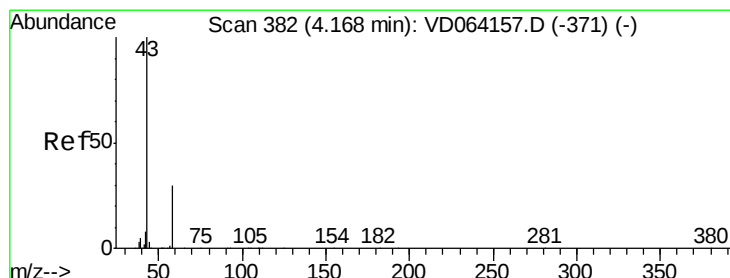
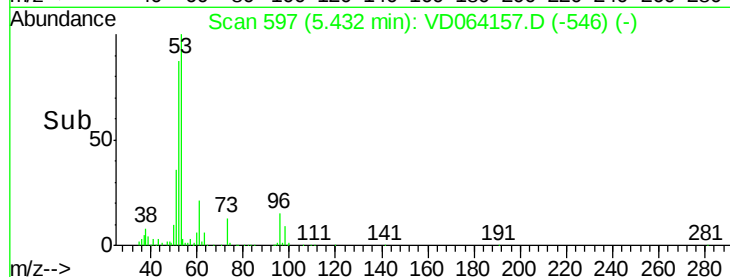
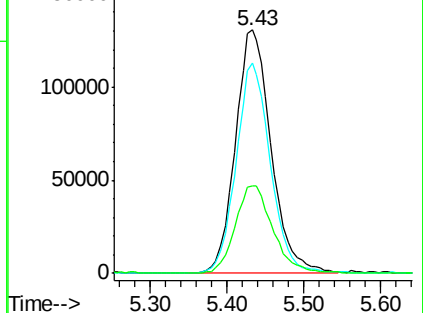
51 38.3 30.6 46.0



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: 336.171 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064157.D

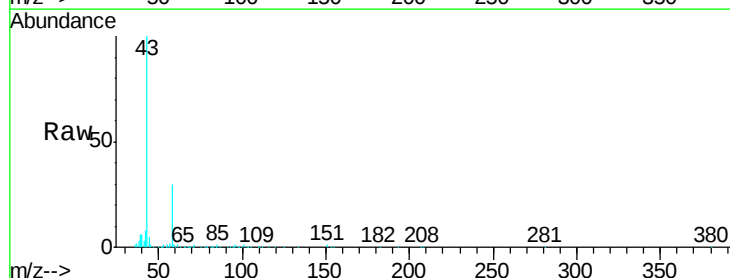
Acq: 08 Nov 2019 15:03

Tgt Ion: 43 Resp: 482109

Ion Ratio Lower Upper

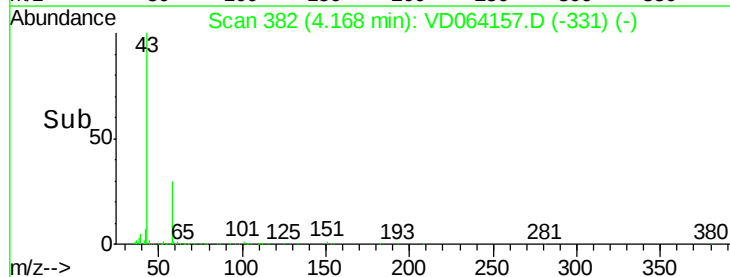
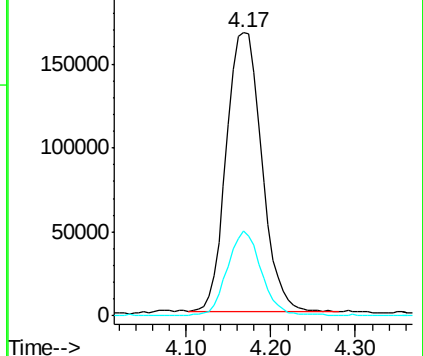
43 100

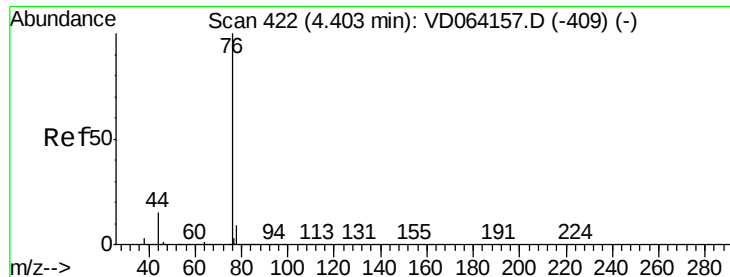
58 30.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

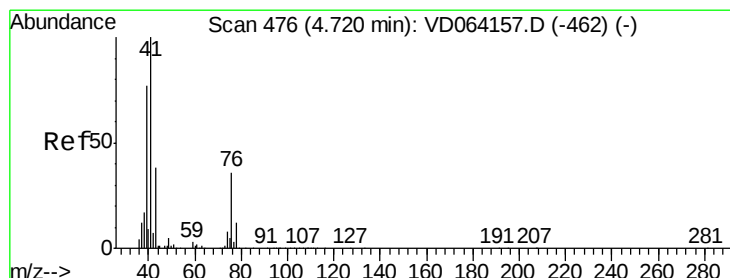
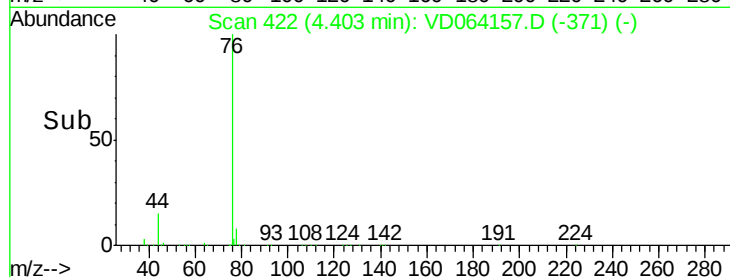
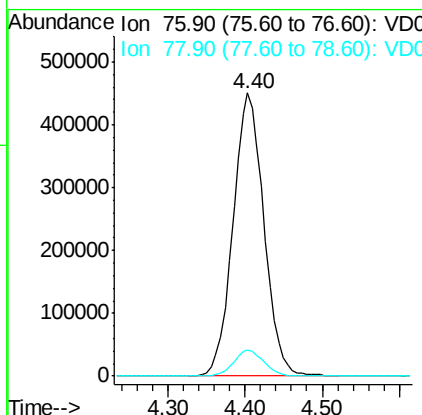
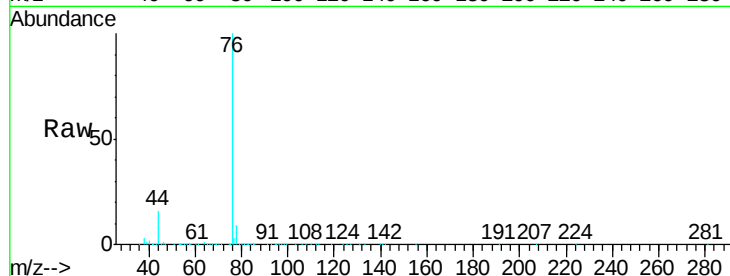




#17
Carbon Disulfide
Concen: 51.737 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

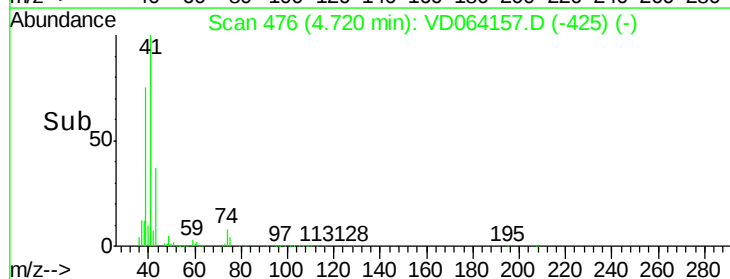
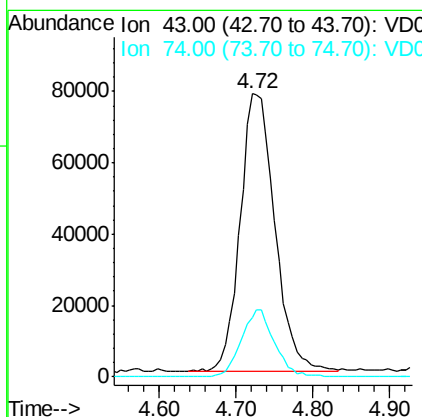
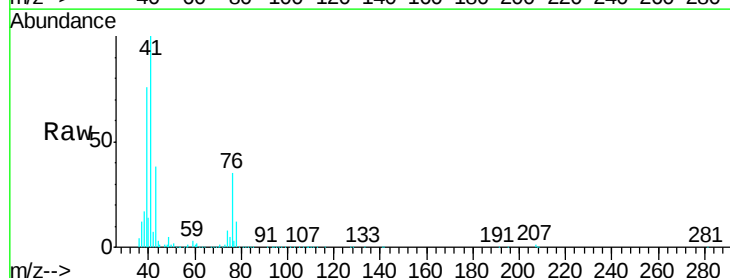
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

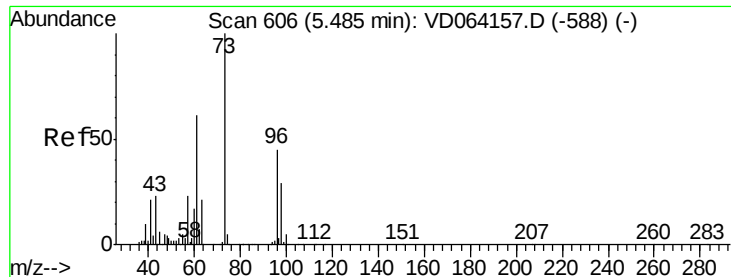
Tgt Ion: 76 Resp: 1259931
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 63.472 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion: 43 Resp: 246426
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6

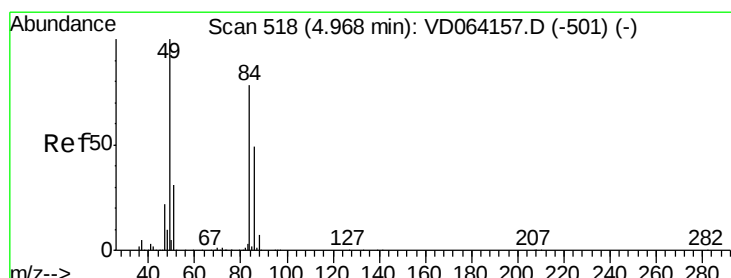
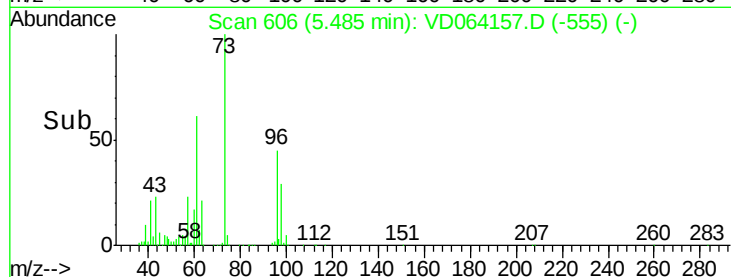
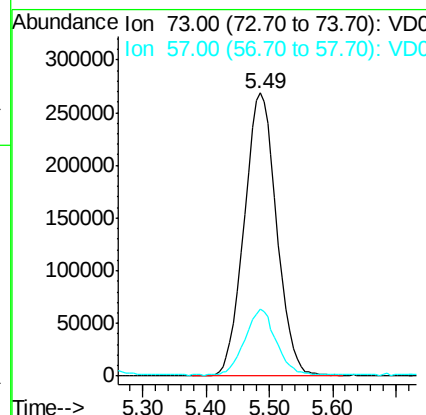
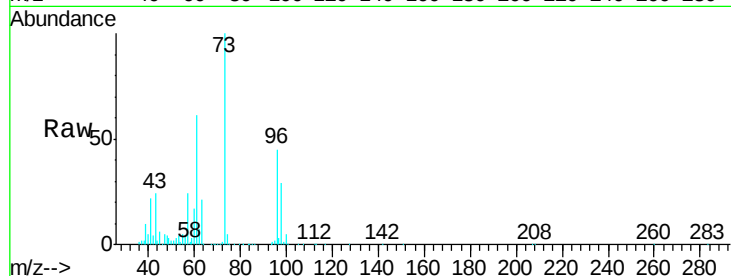




#19
Methyl tert-butyl Ether
Concen: 57.817 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

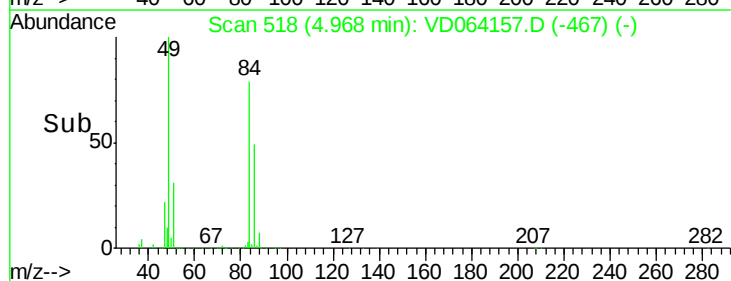
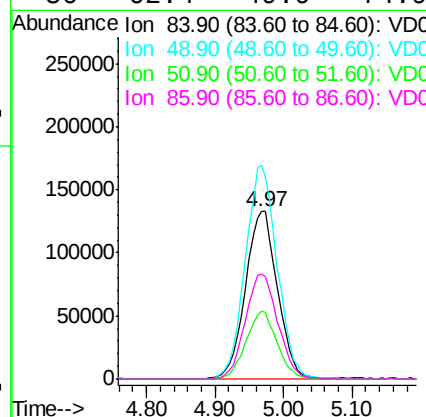
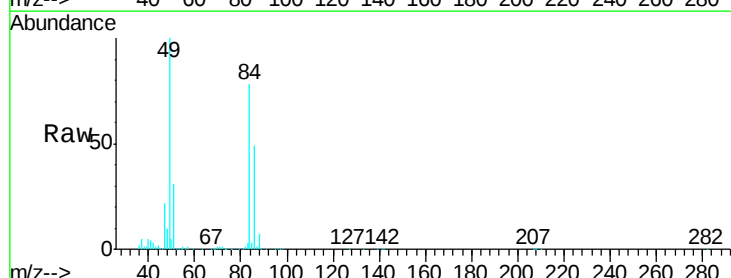
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

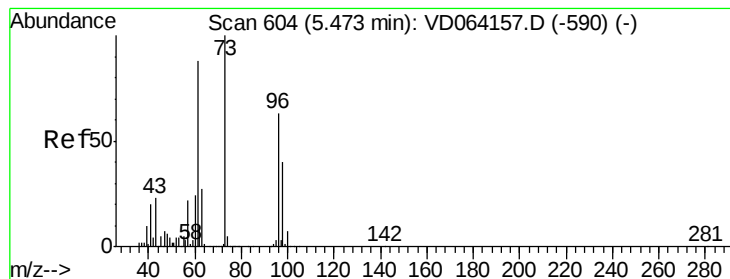
Tgt Ion: 73 Resp: 954603
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 44.019 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion: 84 Resp: 430673
Ion Ratio Lower Upper
84 100
49 127.6 102.1 153.1
51 40.2 32.2 48.2
86 62.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 50.635 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

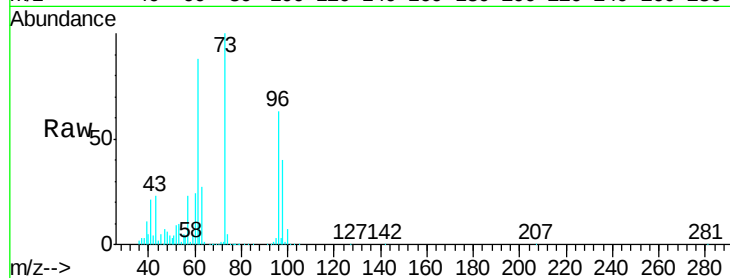
Tgt Ion: 96 Resp: 449222

Ion Ratio Lower Upper

96 100

61 139.7 111.8 167.6

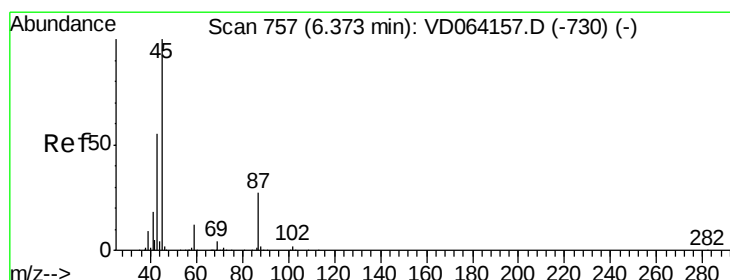
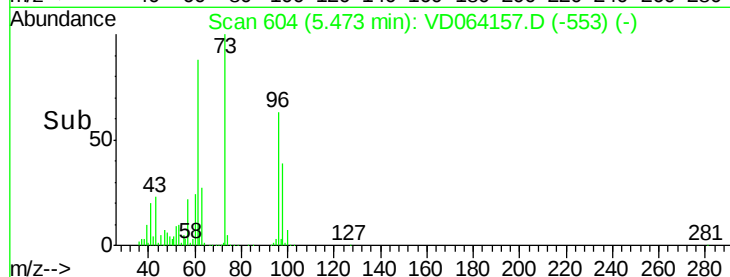
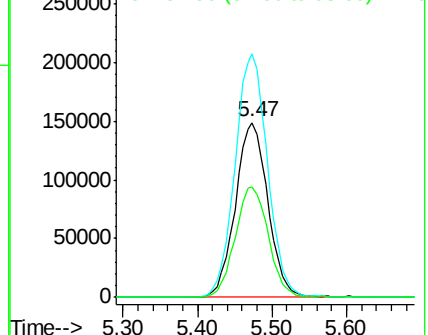
98 62.9 50.3 75.5



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: 61.179 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Tgt Ion: 45 Resp: 1304991

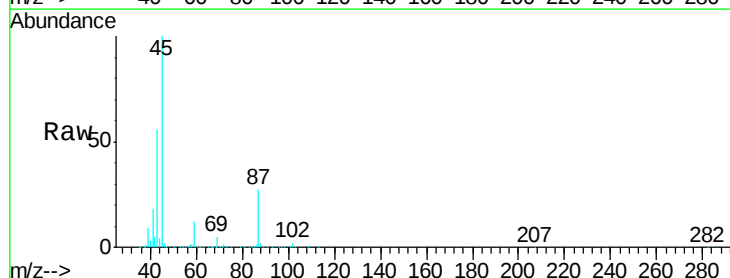
Ion Ratio Lower Upper

45 100

43 55.5 44.4 66.6

87 27.4 21.9 32.9

59 11.8 9.4 14.2

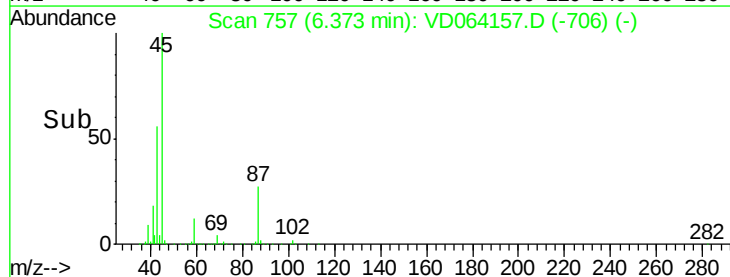
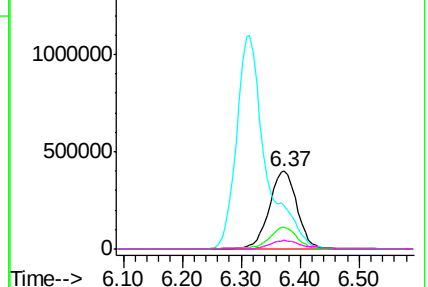


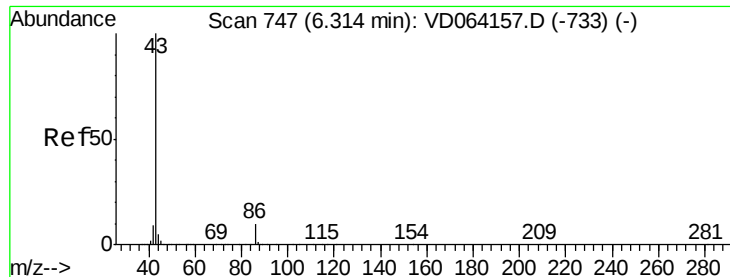
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 321.654 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

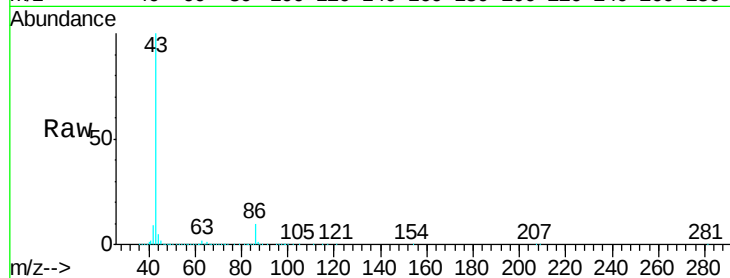
VSTDICCC050

Tgt Ion: 43 Resp: 3774408

Ion Ratio Lower Upper

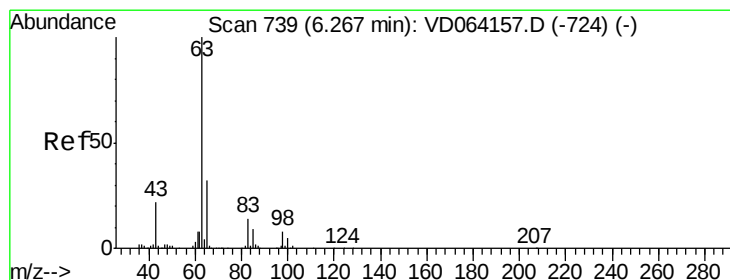
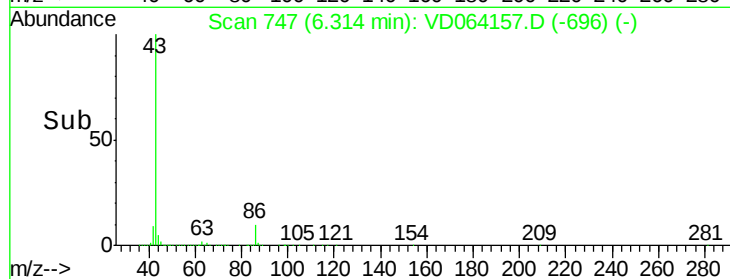
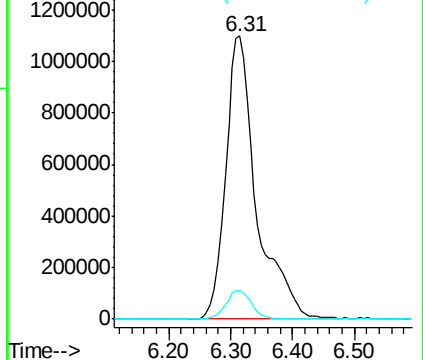
43 100

86 10.2 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: 54.609 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

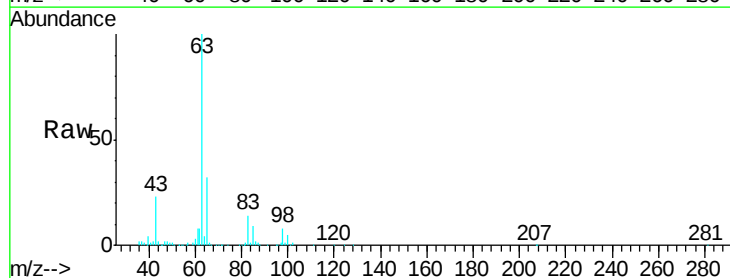
Tgt Ion: 63 Resp: 766465

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

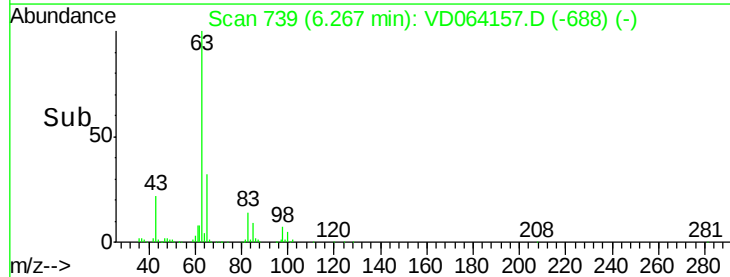
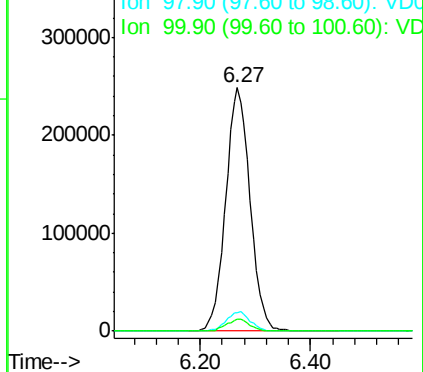
100 4.8 2.4 7.2



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: 304.558 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

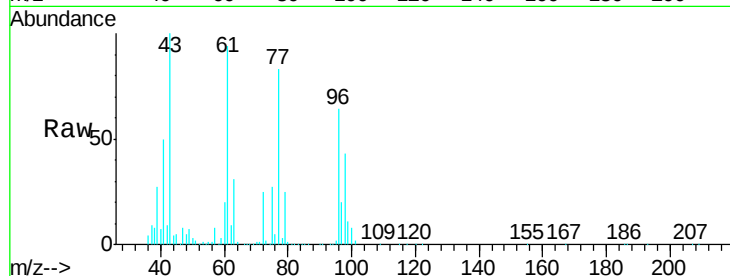
VSTDICCC050

Tgt Ion: 43 Resp: 599567

Ion Ratio Lower Upper

43 100

72 25.7 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

250000

200000

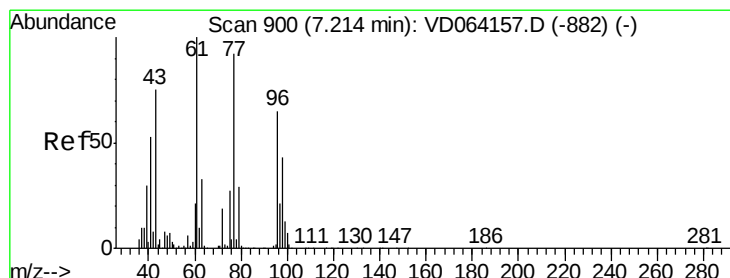
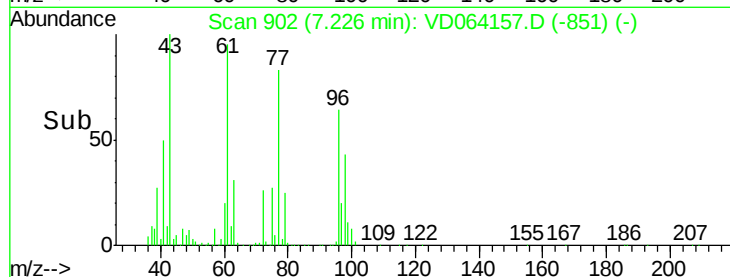
150000

100000

50000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 55.193 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064157.D

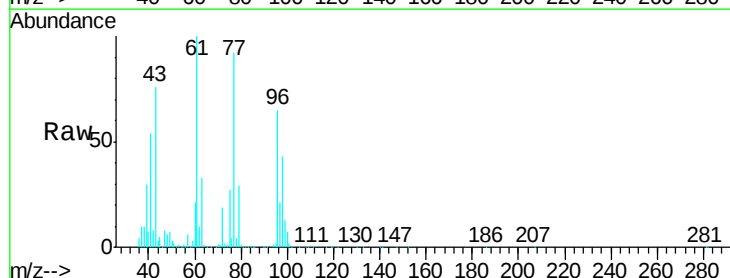
Acq: 08 Nov 2019 15:03

Tgt Ion: 77 Resp: 738553

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

250000

200000

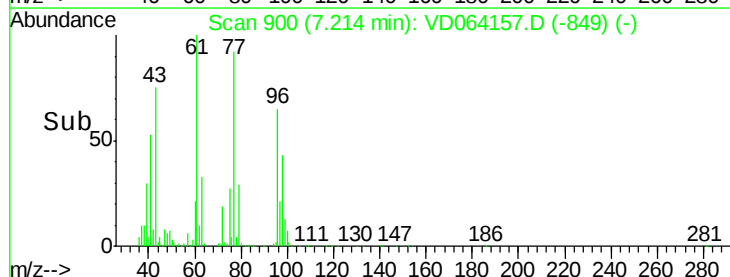
150000

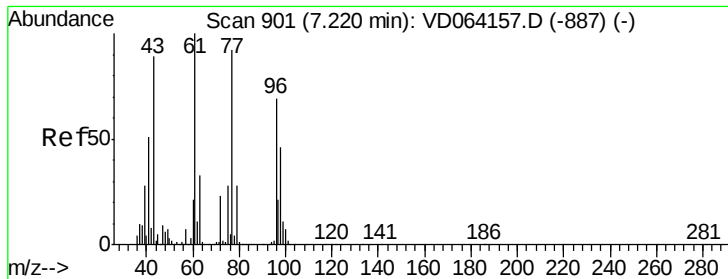
100000

50000

0

Time--> 7.10 7.20 7.30



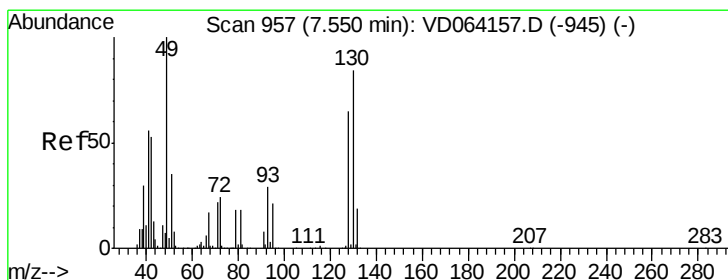
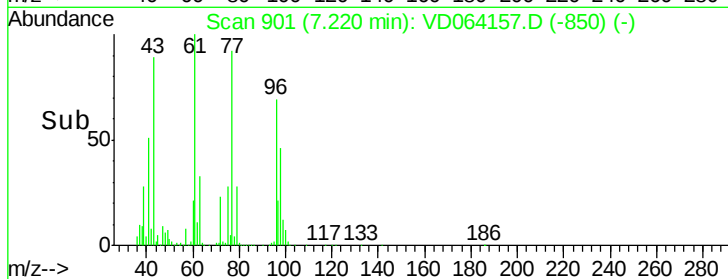
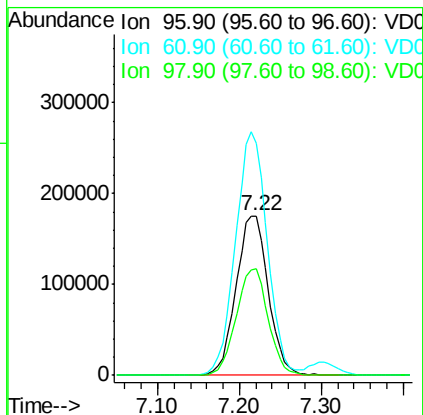
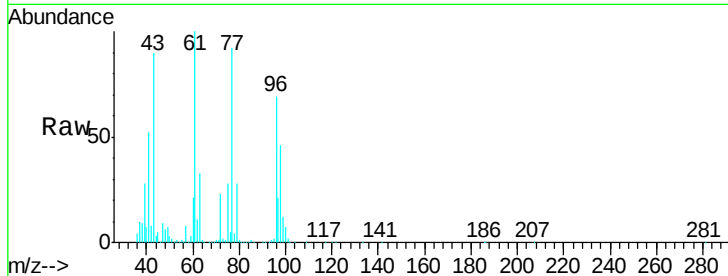


#27

cis-1,2-Dichloroethene
Concen: 48.689 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

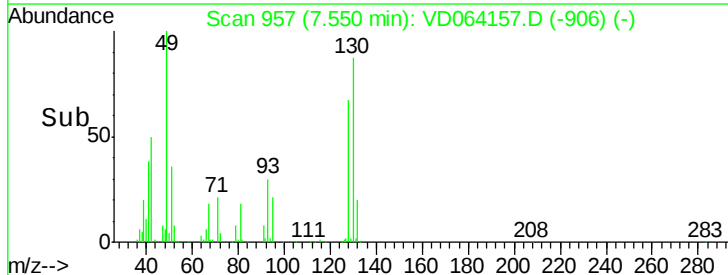
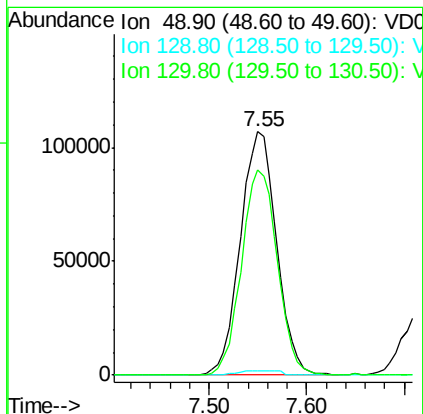
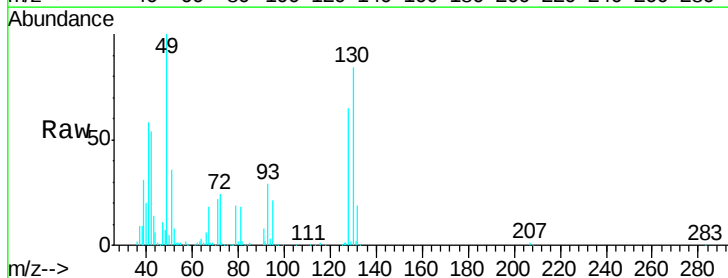
Tgt Ion: 96 Resp: 479725
Ion Ratio Lower Upper
96 100
61 150.7 0.0 301.4
98 66.6 0.0 133.2

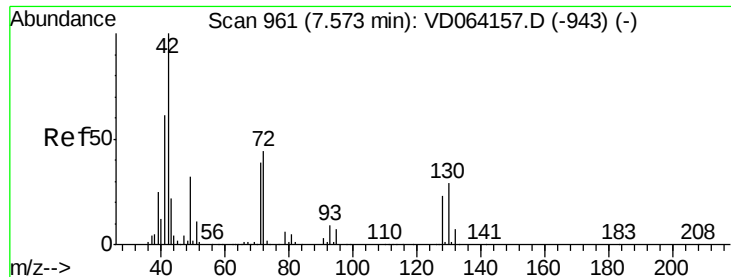


#28

Bromochloromethane
Concen: 55.126 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion: 49 Resp: 278245
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.4
130 83.5 66.8 100.2

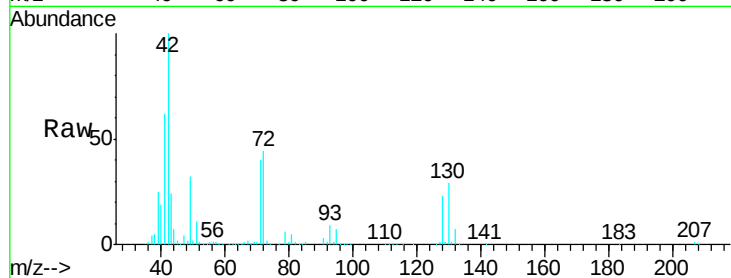




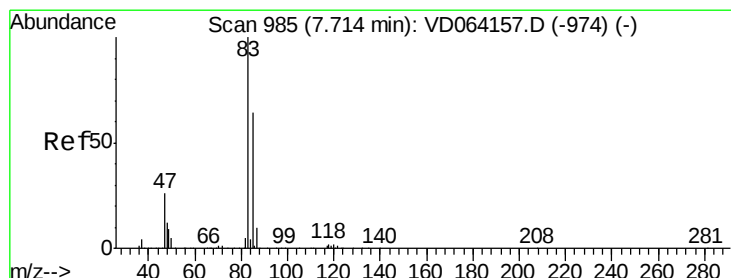
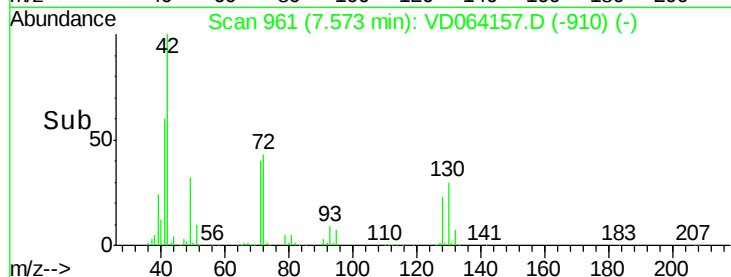
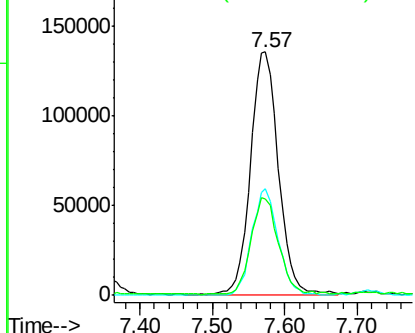
#29
Tetrahydrofuran
Concen: 310.970 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 360150
Ion Ratio Lower Upper
42 100
72 41.8 33.4 50.2
71 38.7 31.0 46.4

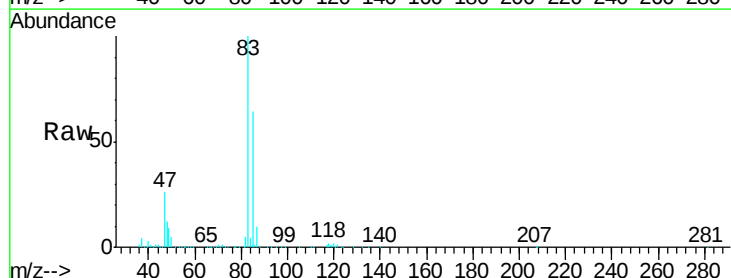


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

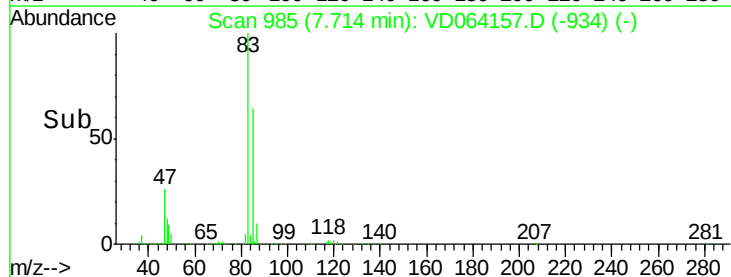
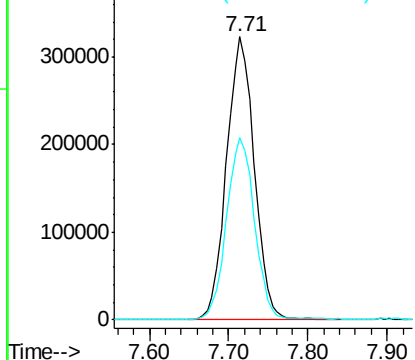


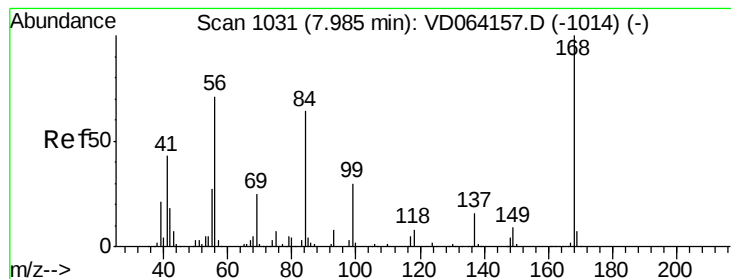
#30
Chloroform
Concen: 49.198 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion: 83 Resp: 777040
Ion Ratio Lower Upper
83 100
85 64.2 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: 52.418 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

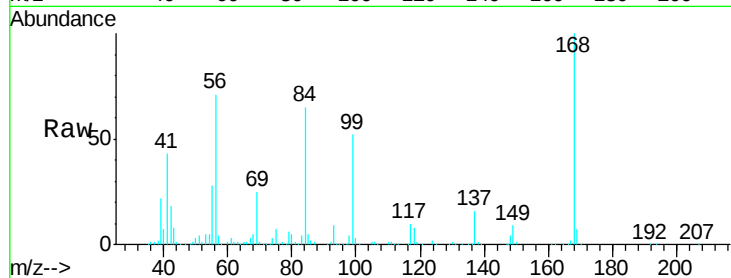
Tgt Ion: 56 Resp: 720207

Ion Ratio Lower Upper

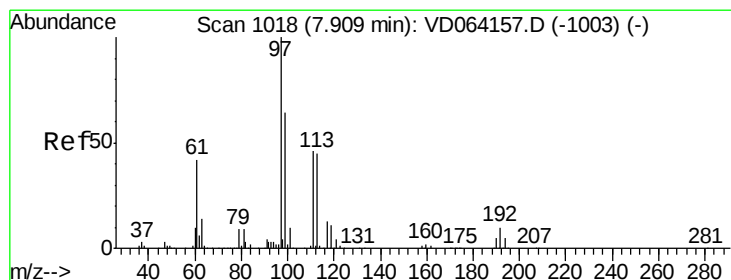
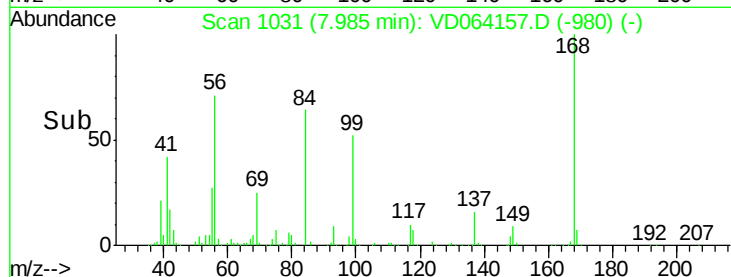
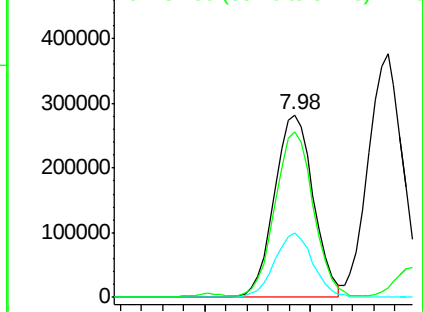
56 100

69 35.3 28.2 42.4

84 89.7 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: 50.080 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

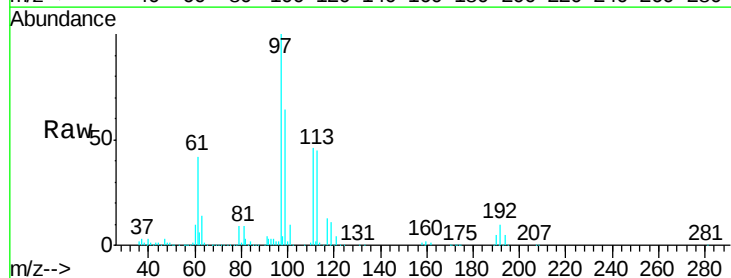
Tgt Ion: 97 Resp: 737667

Ion Ratio Lower Upper

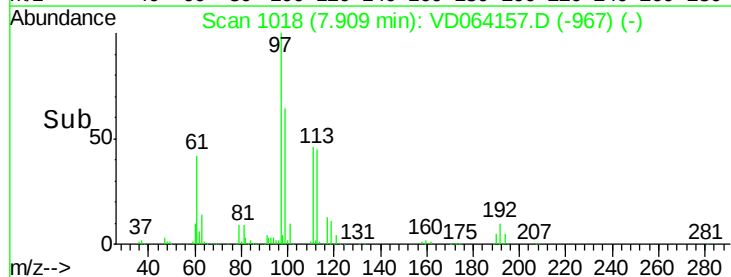
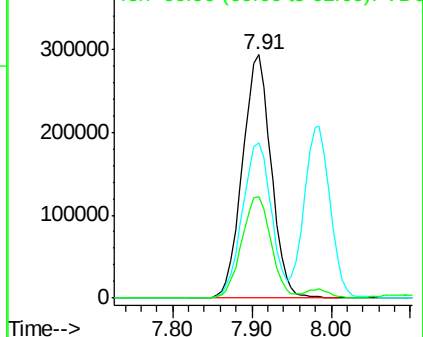
97 100

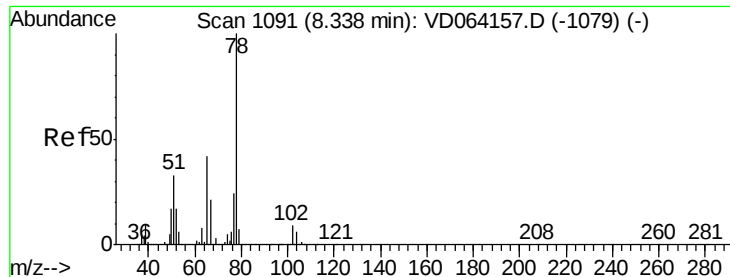
99 64.5 51.6 77.4

61 42.7 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: 55.969 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

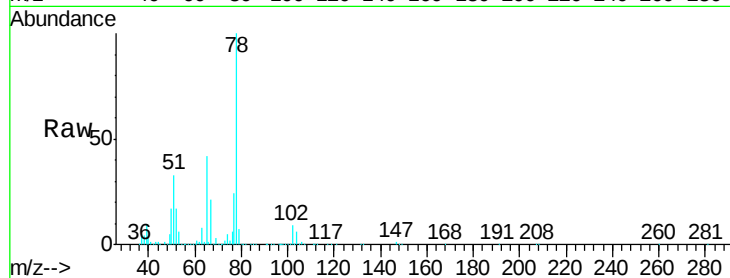
VSTDICCC050

Tgt Ion: 65 Resp: 412305

Ion Ratio Lower Upper

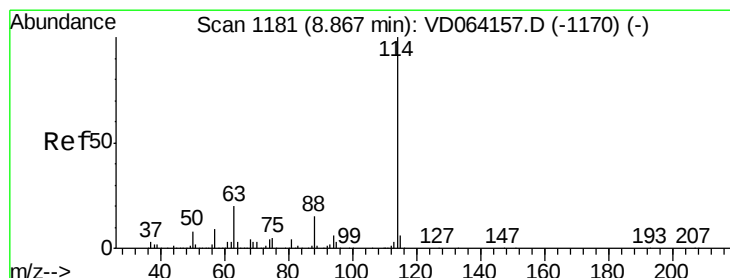
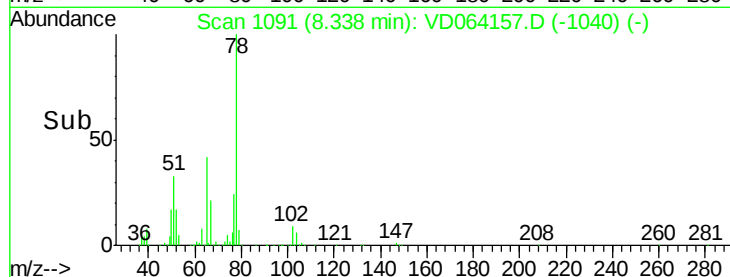
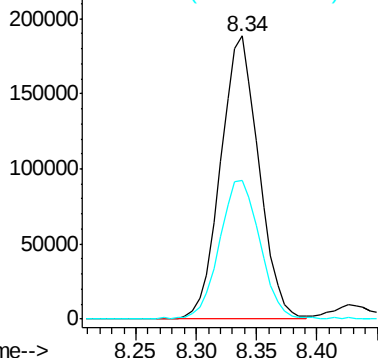
65 100

67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

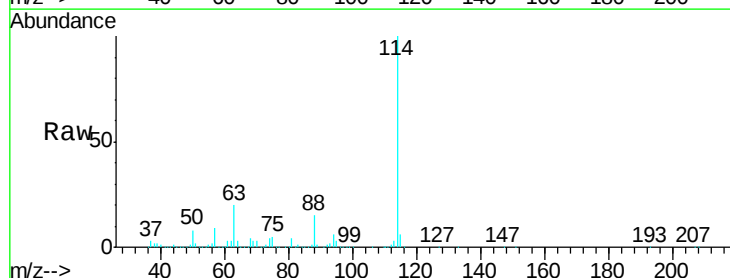
Tgt Ion: 114 Resp: 1293769

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

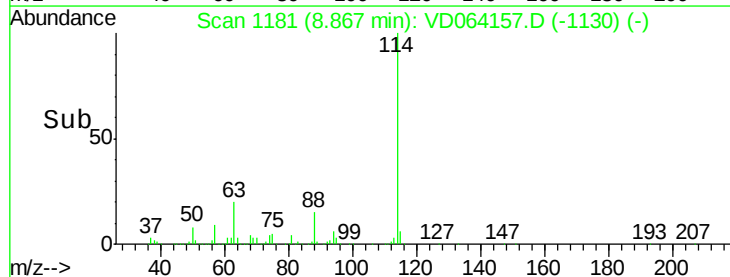
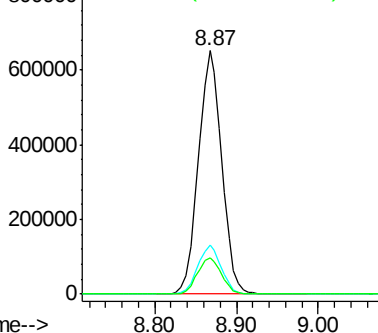
88 15.1 0.0 30.2

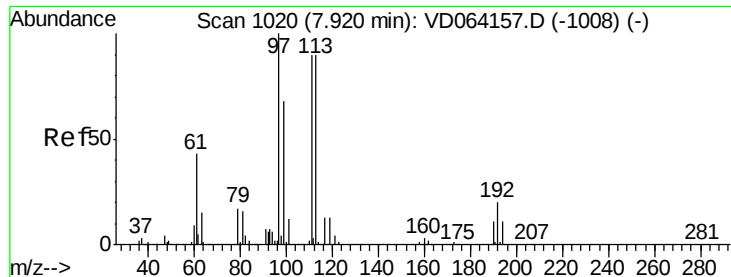


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

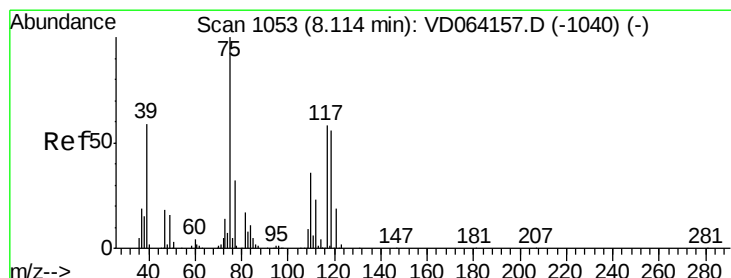
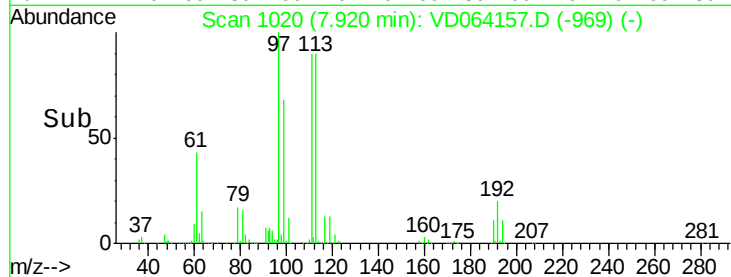
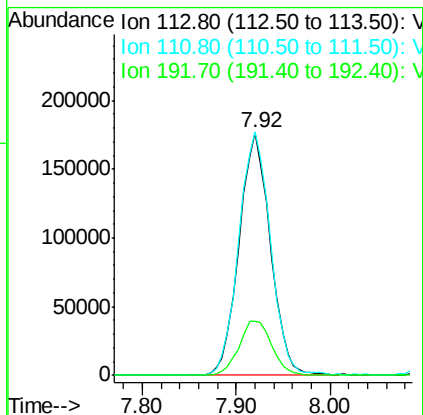
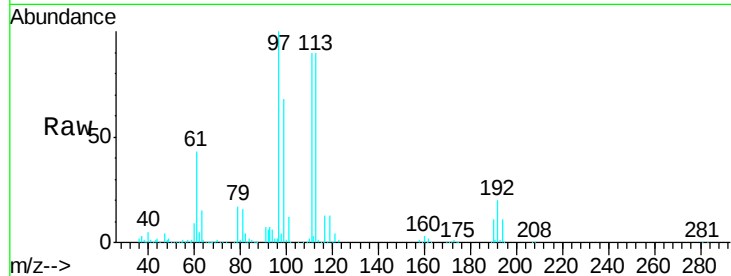




#35
 Dibromofluoromethane
 Concen: 51.517 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

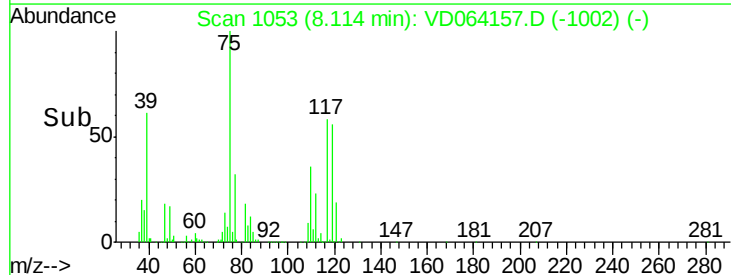
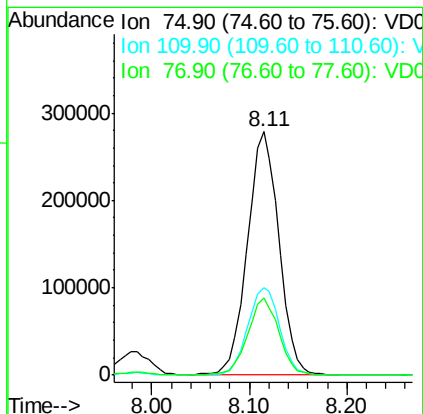
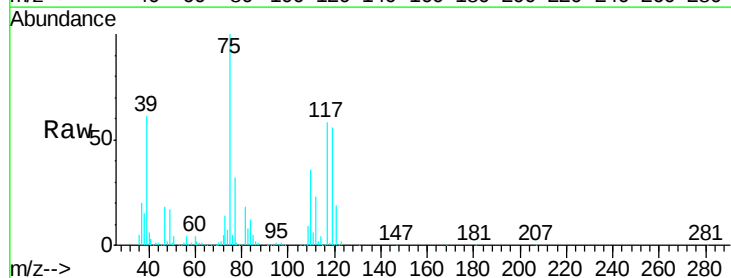
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 113 Resp: 408378
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.5 122.3
 192 23.5 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 51.242 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion: 75 Resp: 624965
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.3 54.9
 77 31.3 25.0 37.6

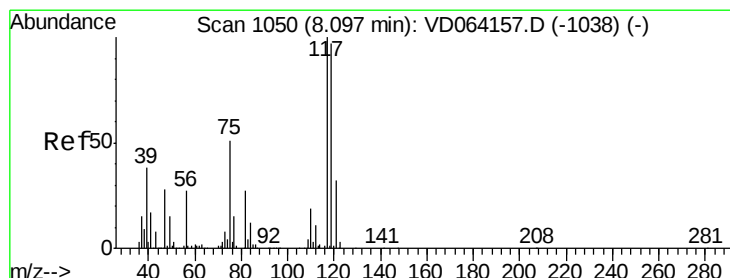
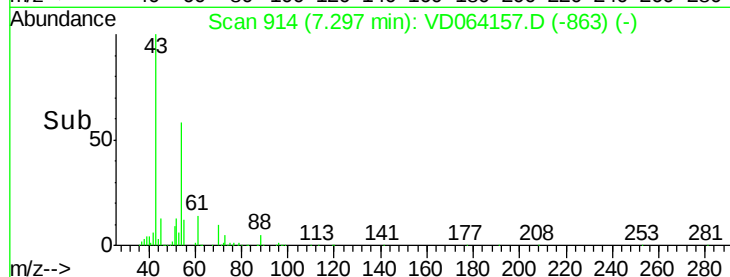
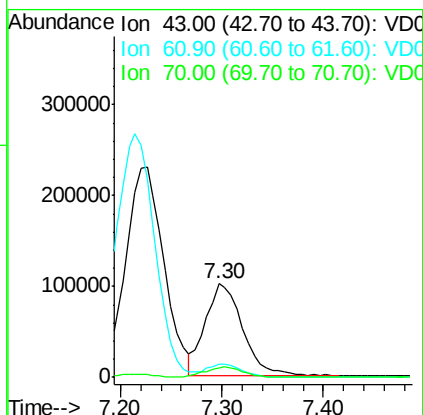
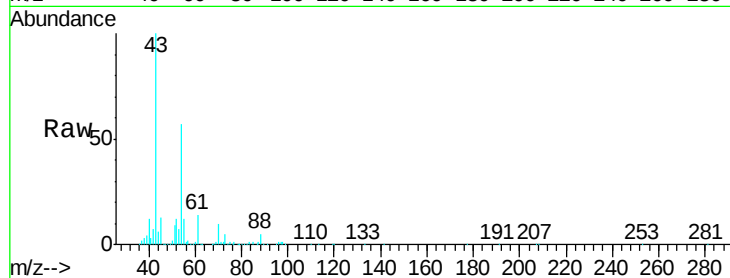




#37
 Ethyl Acetate
 Concen: 65.509 ug/l
 RT: 7.30 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

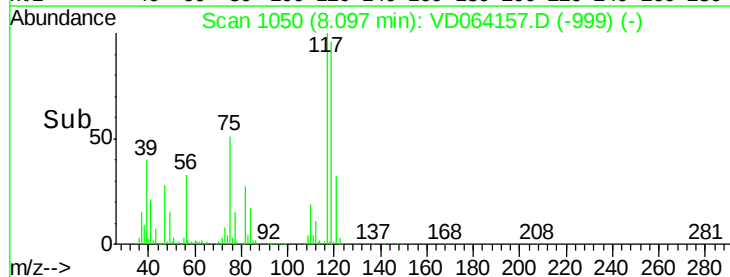
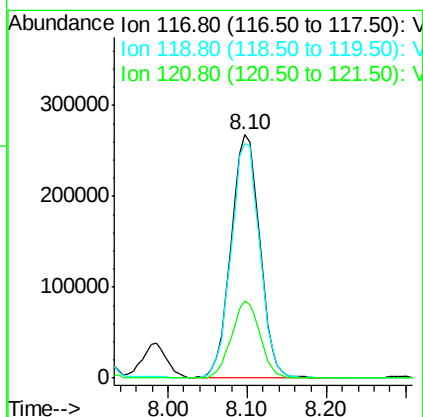
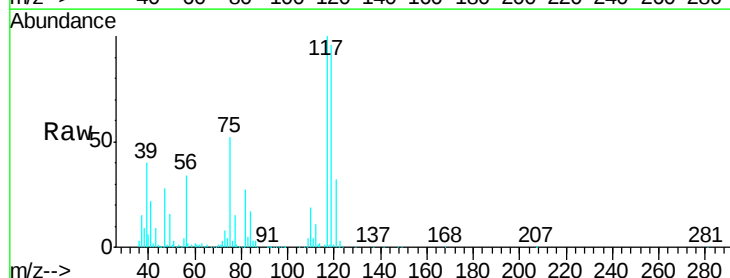
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

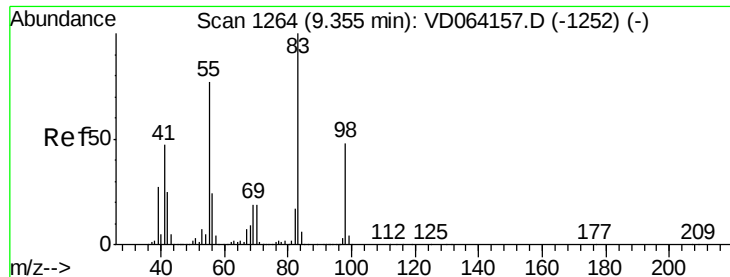
Tgt Ion: 43 Resp: 257994
 Ion Ratio Lower Upper
 43 100
 61 12.7 10.2 15.2
 70 10.6 8.5 12.7



#38
 Carbon Tetrachloride
 Concen: 50.782 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion: 117 Resp: 670088
 Ion Ratio Lower Upper
 117 100
 119 96.5 77.2 115.8
 121 31.9 25.5 38.3

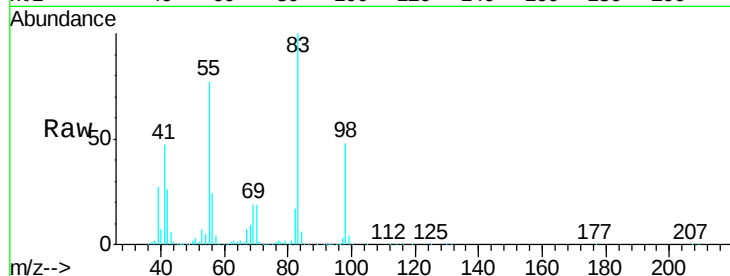




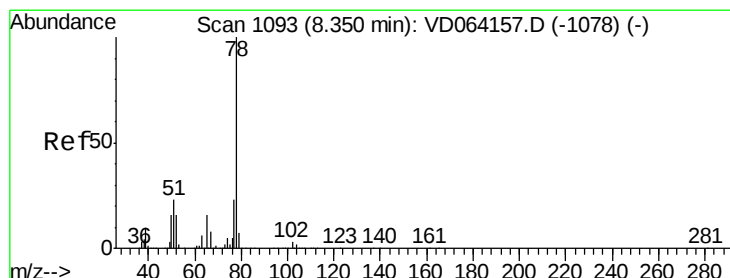
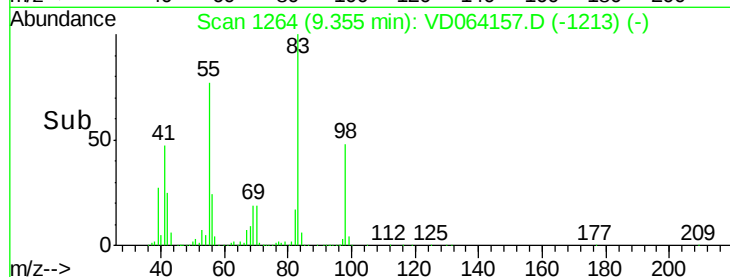
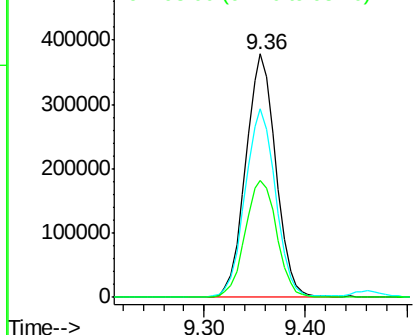
#39
Methylcyclohexane
Concen: 52.434 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 777048
Ion Ratio Lower Upper
83 100
55 77.1 61.7 92.5
98 48.3 38.6 58.0

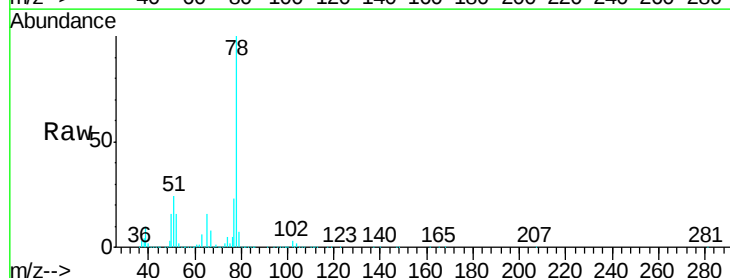


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

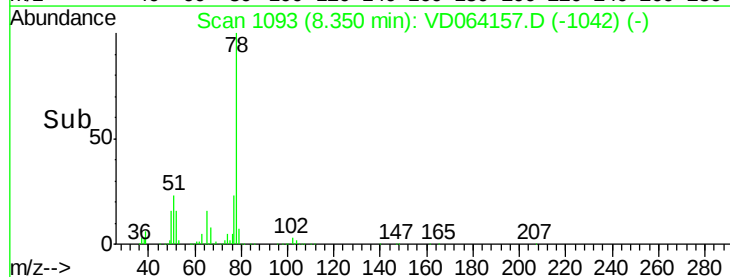
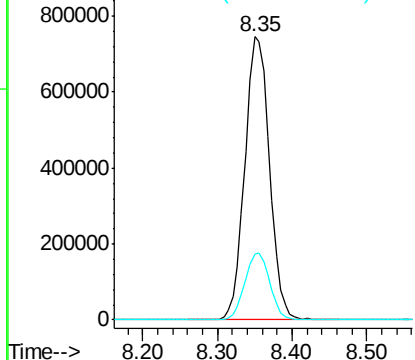


#40
Benzene
Concen: 51.832 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion: 78 Resp: 1715423
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0



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

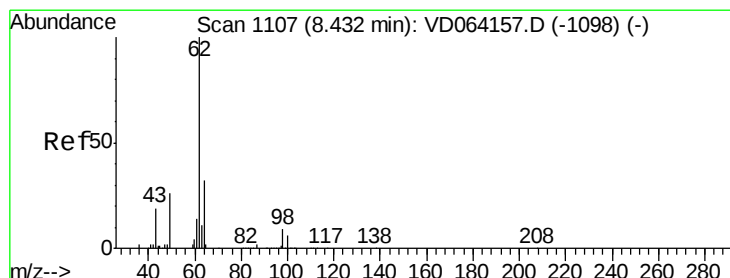
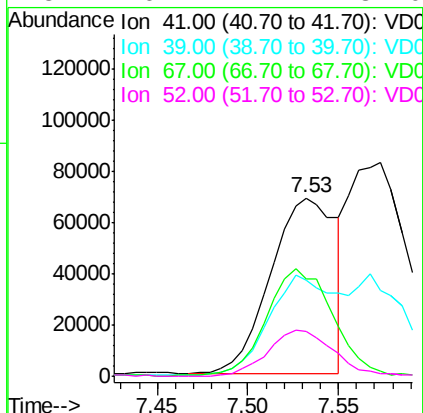
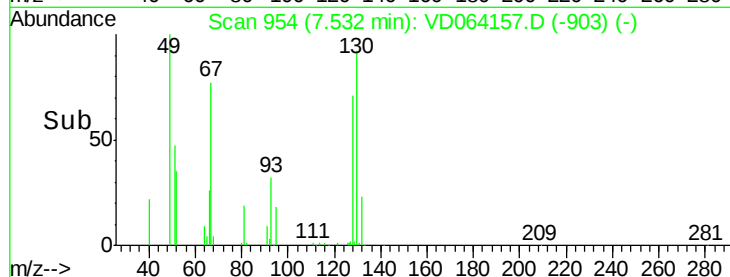
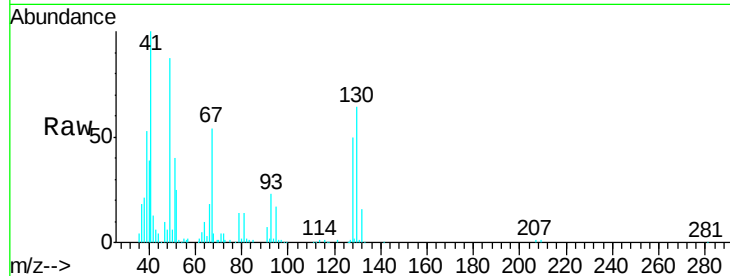




#41
Methacrylonitrile
Concen: 73.276 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

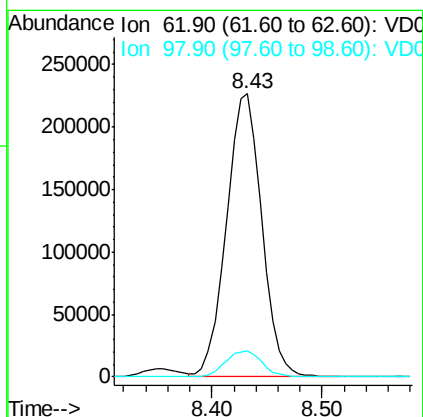
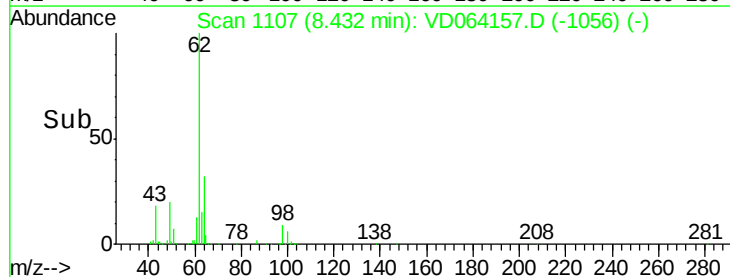
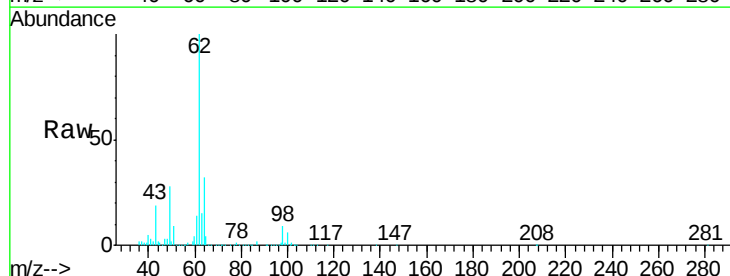
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

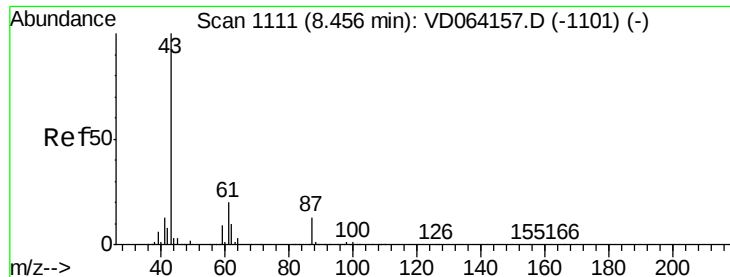
Tgt Ion:	41	Resp:	172839
Ion	Ratio	Lower	Upper
41	100		
39	61.8	49.4	74.2
67	62.0	49.6	74.4
52	26.7	21.4	32.0



#42
1,2-Dichloroethane
Concen: 57.031 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion:	62	Resp:	506872
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0





#43

Isopropyl Acetate

Concen: 66.938 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

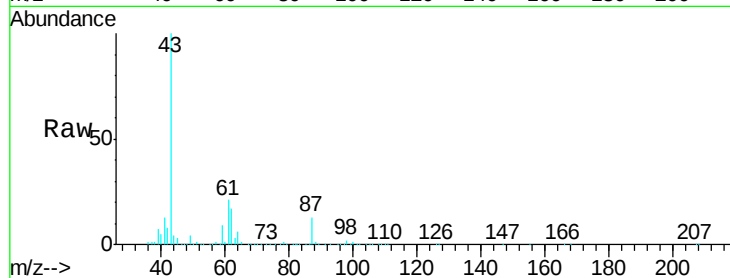
Tgt Ion: 43 Resp: 538524

Ion Ratio Lower Upper

43 100

61 28.6 22.9 34.3

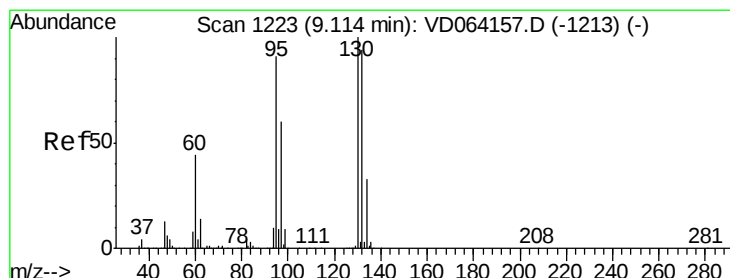
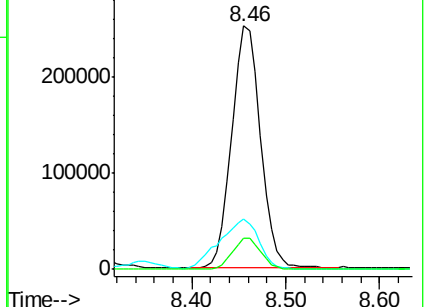
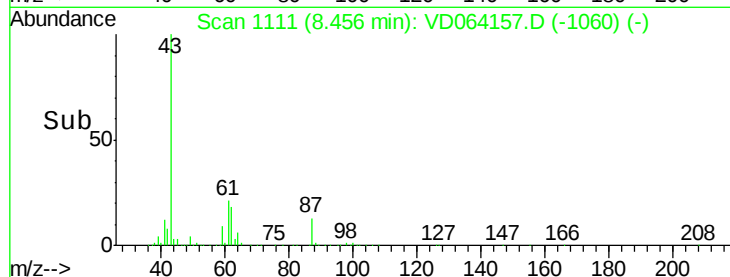
87 12.7 10.2 15.2



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: 51.281 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064157.D

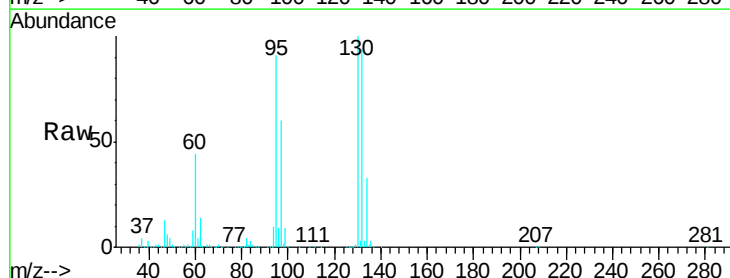
Acq: 08 Nov 2019 15:03

Tgt Ion: 130 Resp: 511997

Ion Ratio Lower Upper

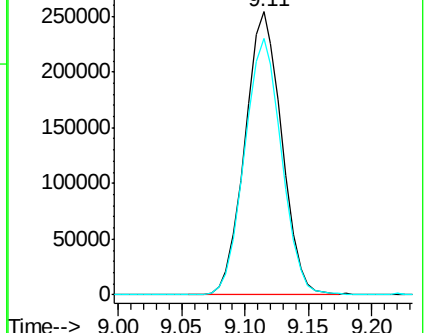
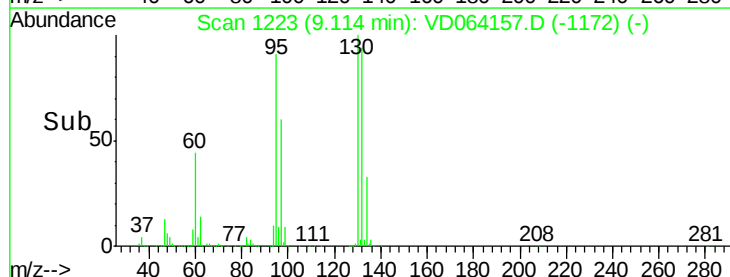
130 100

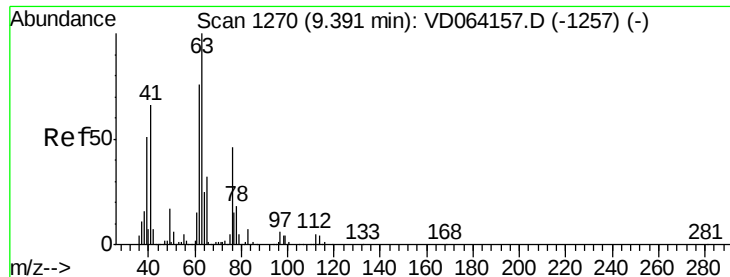
95 90.8 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.422 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

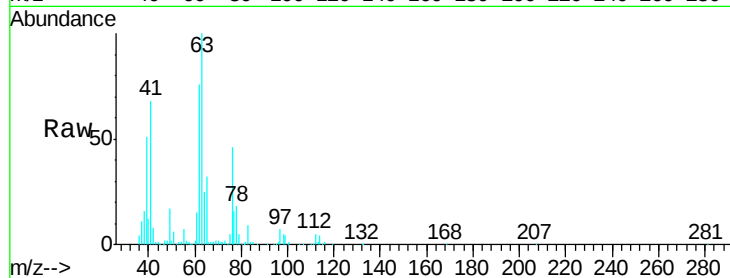
VSTDICCC050

Tgt Ion: 63 Resp: 414053

Ion Ratio Lower Upper

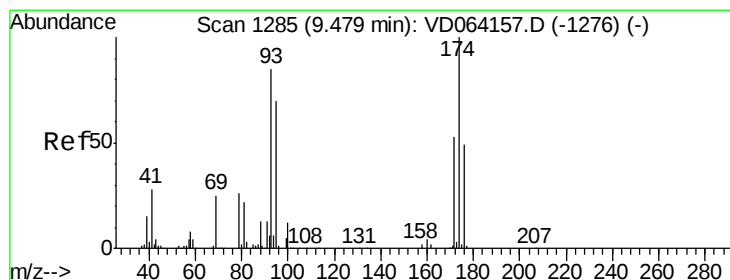
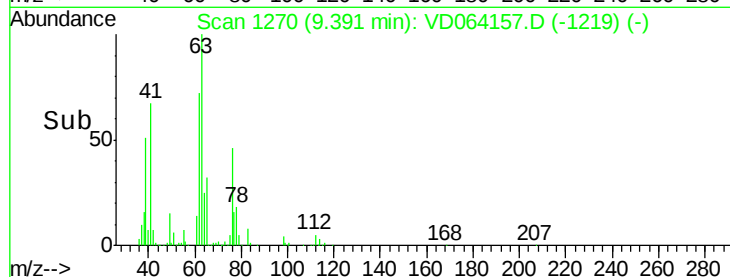
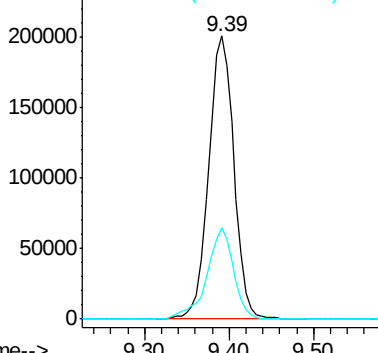
63 100

65 32.1 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.631 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

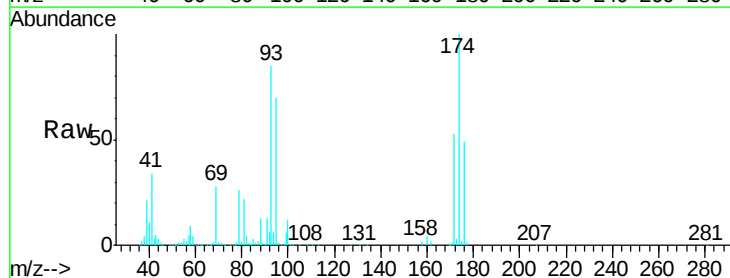
Tgt Ion: 93 Resp: 221276

Ion Ratio Lower Upper

93 100

95 81.9 65.5 98.3

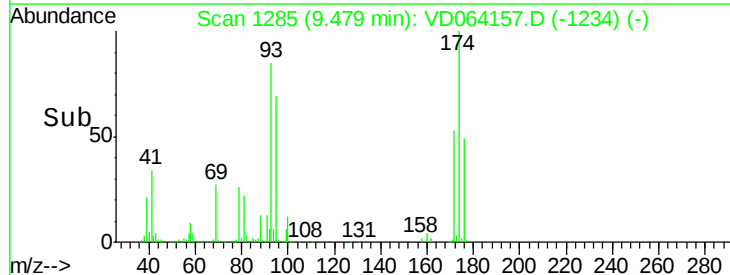
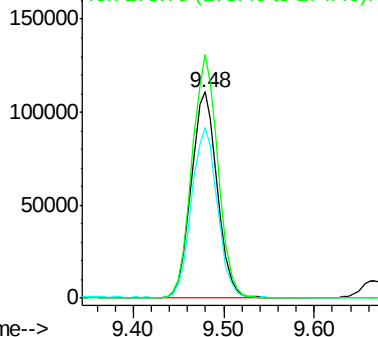
174 117.4 93.9 140.9

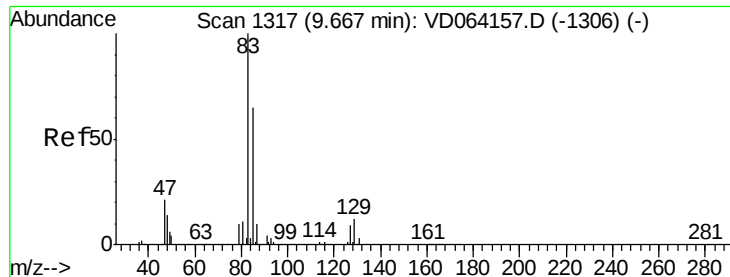


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 51.471 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

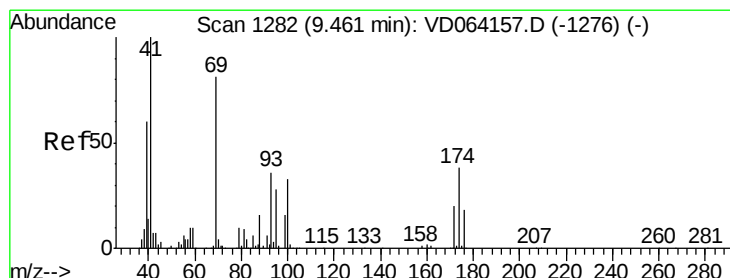
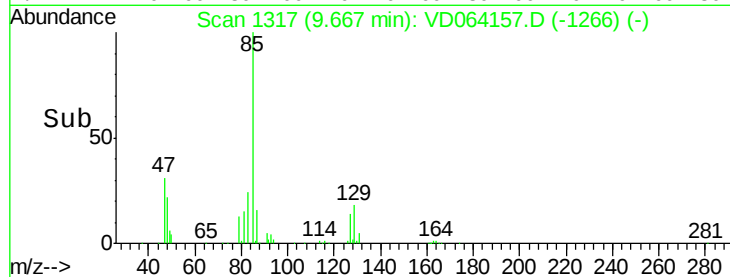
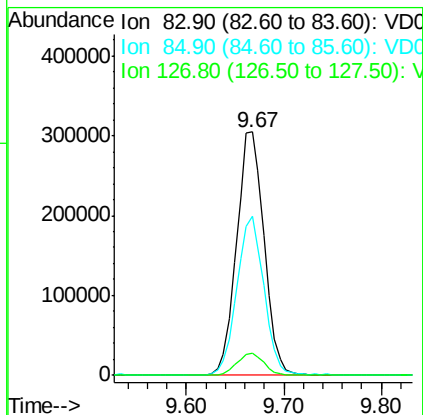
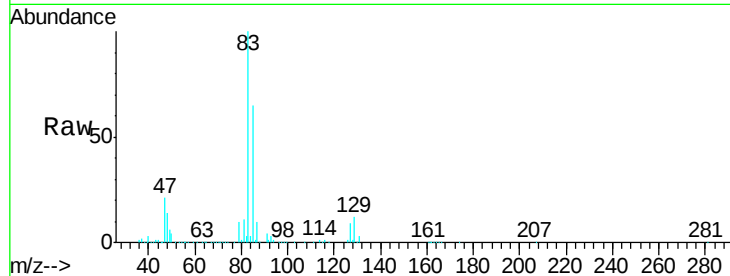
Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	596139
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	9.4	7.5	11.3



#48

Methyl methacrylate

Concen: 68.806 ug/l

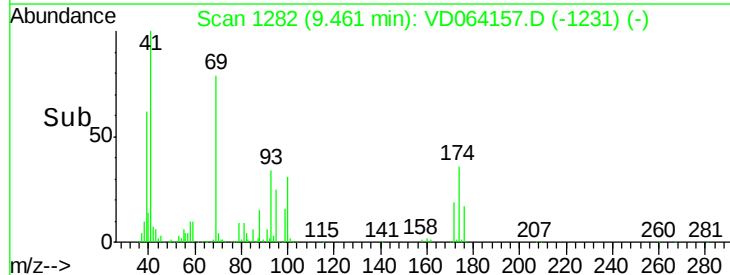
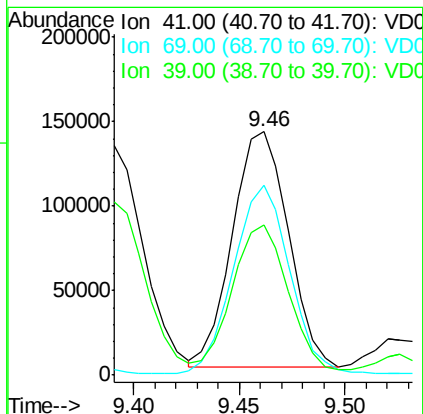
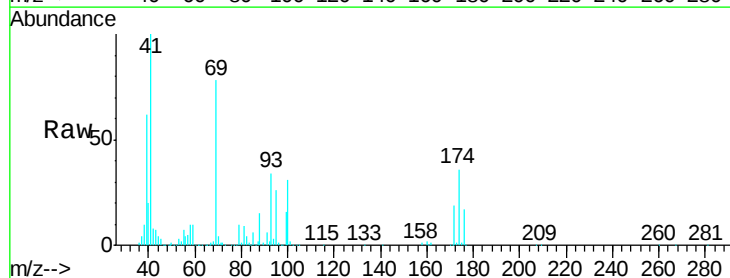
RT: 9.46 min Scan# 1282

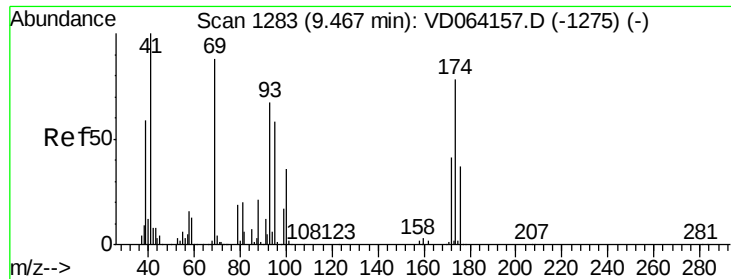
Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Tgt Ion:	41	Resp:	256886
Ion	Ratio	Lower	Upper
41	100		
69	80.8	64.6	97.0
39	60.2	48.2	72.2

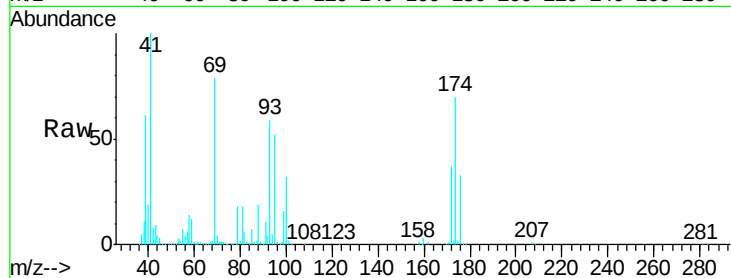




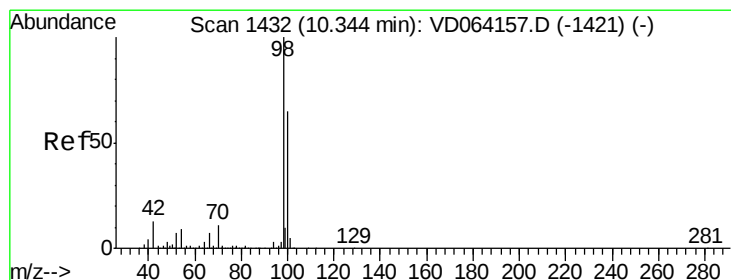
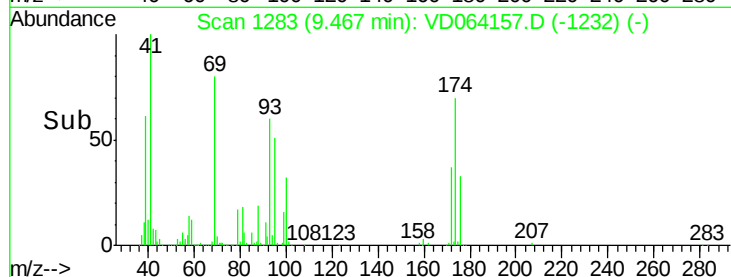
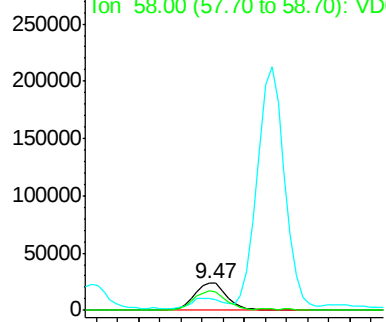
#49
1,4-Dioxane
Concen: 994.424 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 51090
Ion Ratio Lower Upper
88 100
43 37.3 29.8 44.8
58 72.6 58.1 87.1

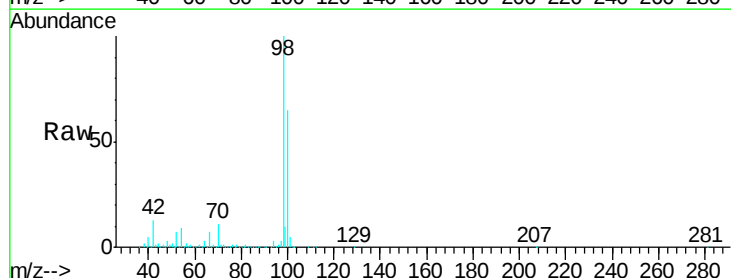


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

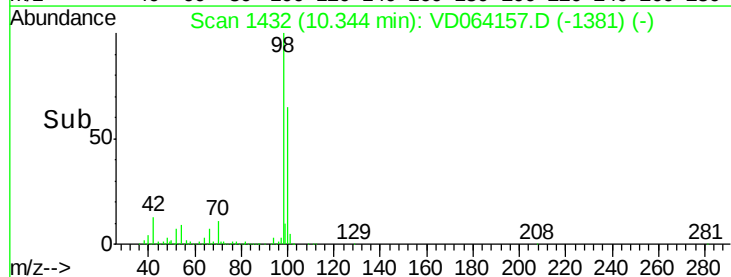
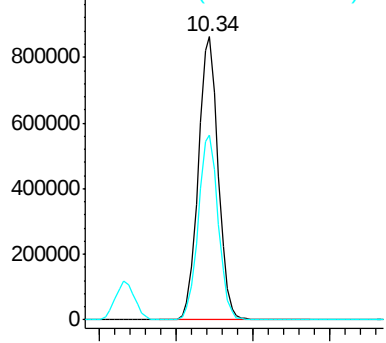


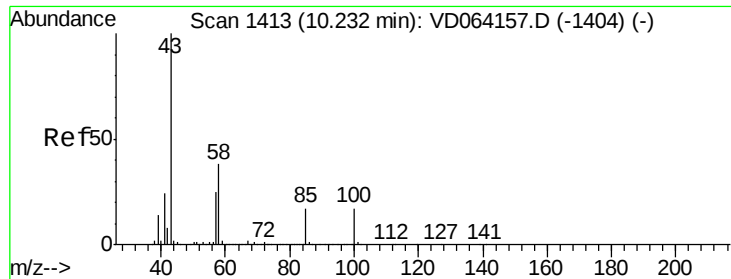
#50
Toluene-d8
Concen: 49.148 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion: 98 Resp: 1550019
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



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

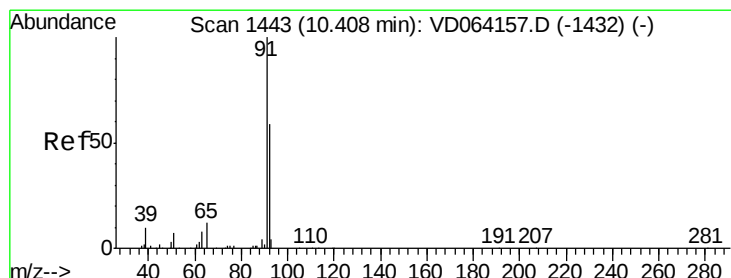
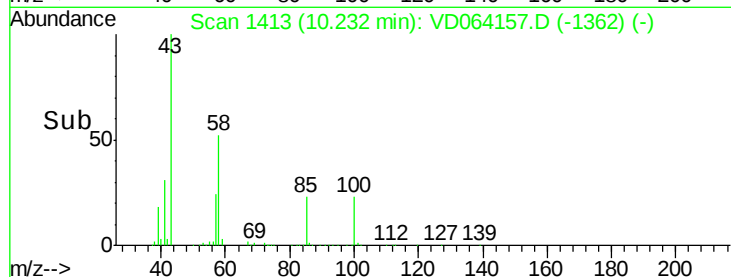
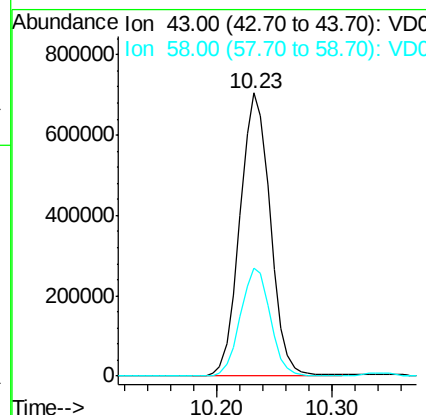
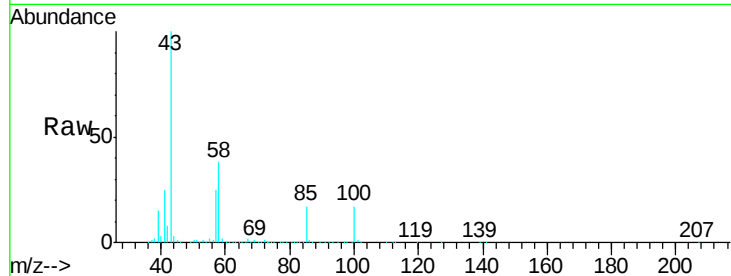




#51
 4-Methyl-2-Pentanone
 Concen: 302.421 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

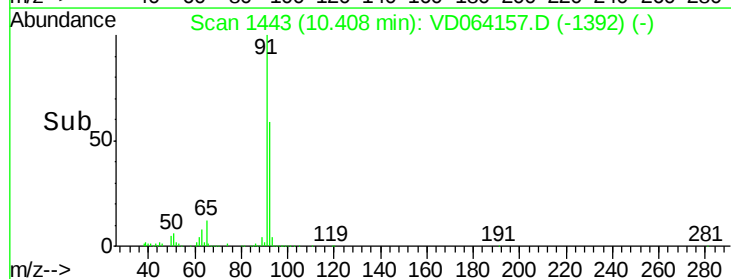
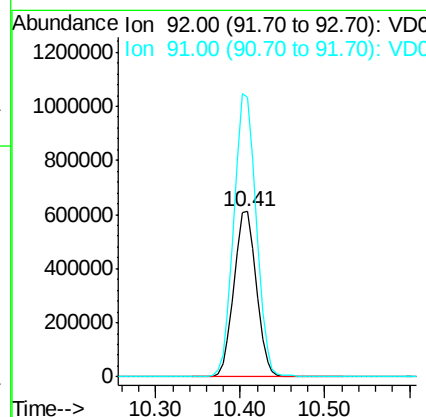
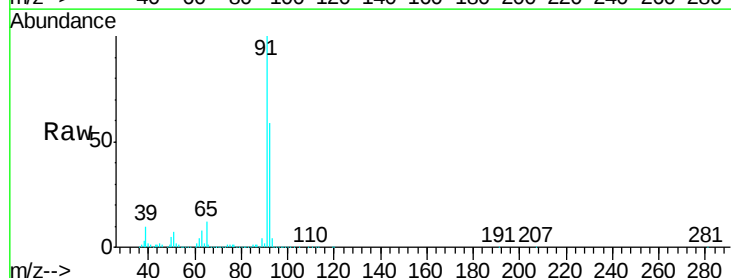
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

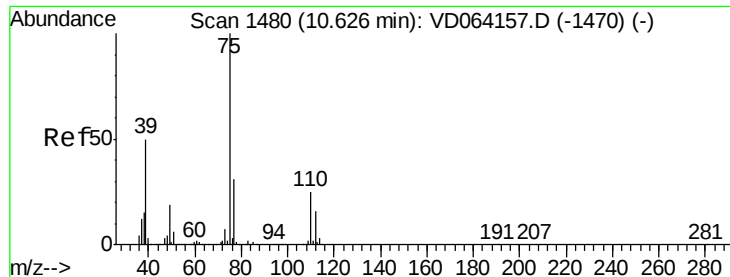
Tgt Ion: 43 Resp: 1278320
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.4



#52
 Toluene
 Concen: 48.917 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion: 92 Resp: 1117980
 Ion Ratio Lower Upper
 92 100
 91 170.5 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 54.967 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

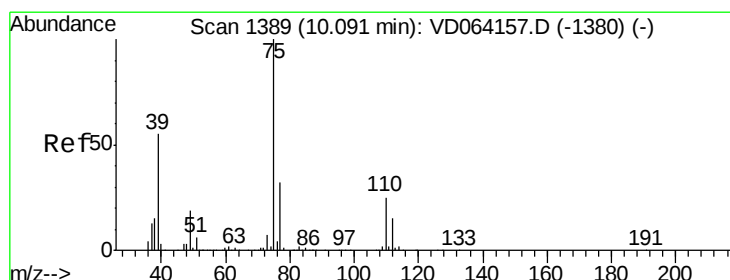
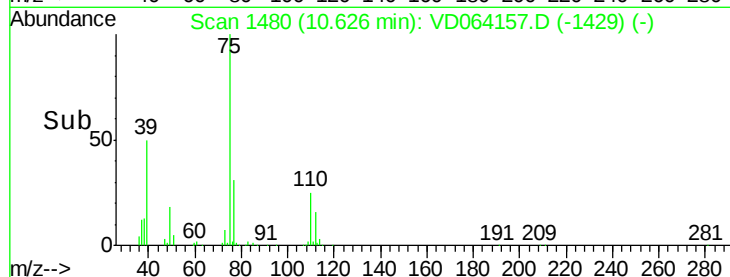
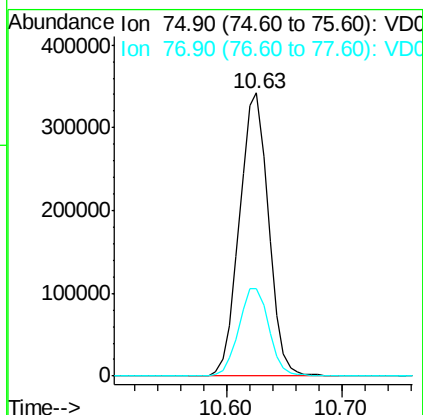
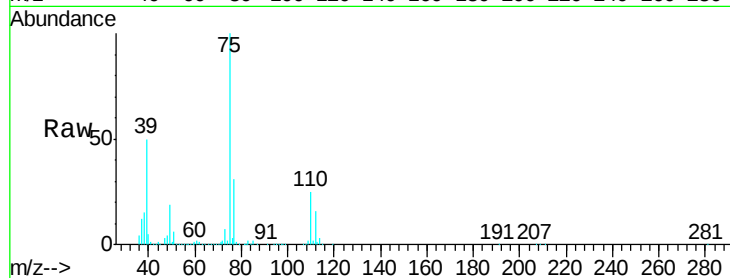
VSTDICCC050

Tgt Ion: 75 Resp: 598839

Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 54.391 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

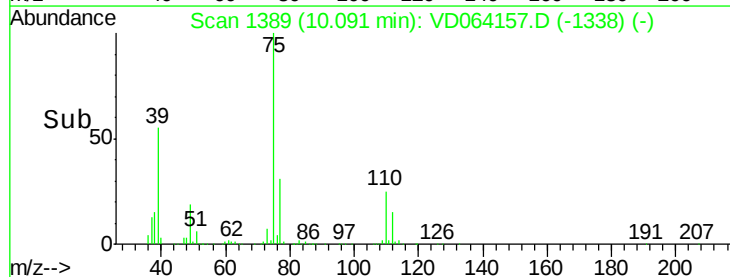
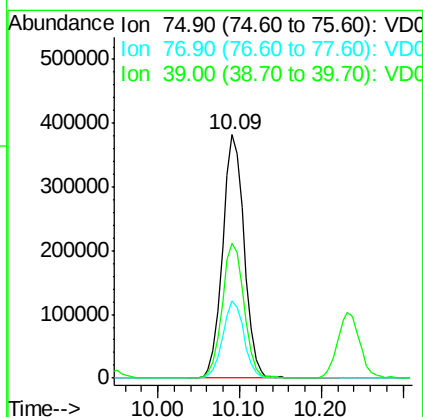
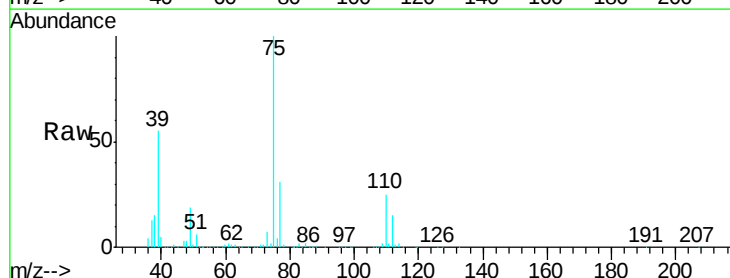
Tgt Ion: 75 Resp: 699345

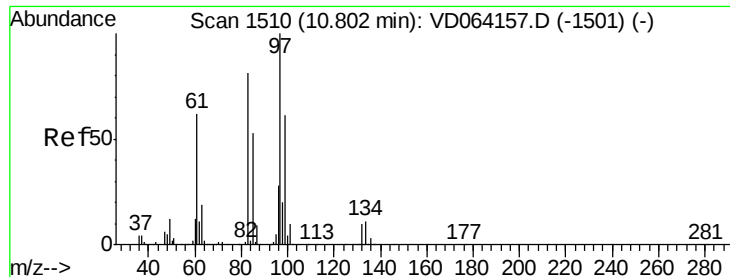
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 55.2 44.2 66.2

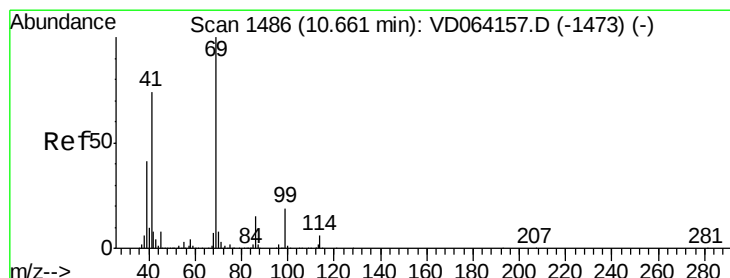
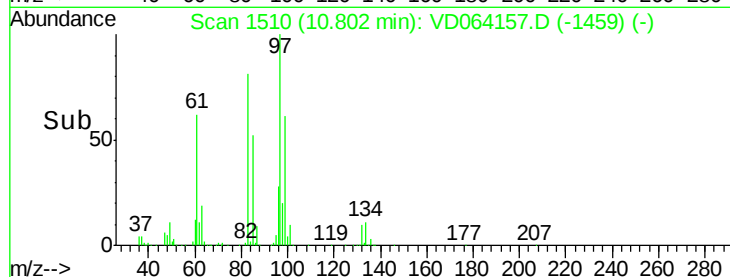
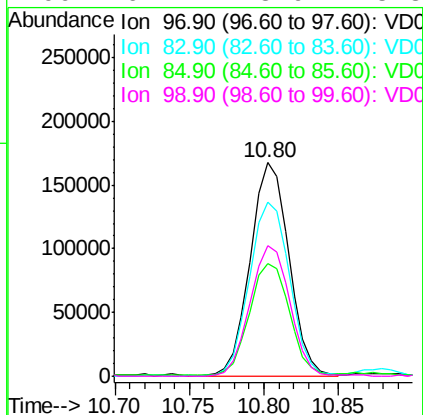
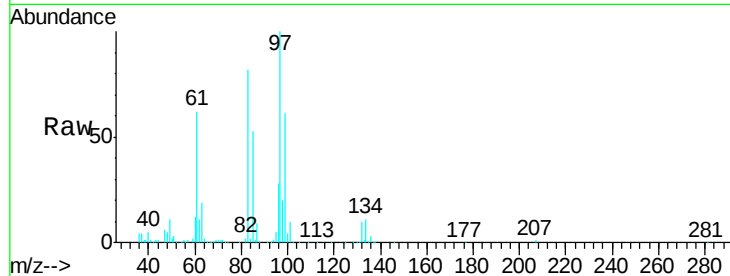




#55
 1,1,2-Trichloroethane
 Concen: 46.931 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

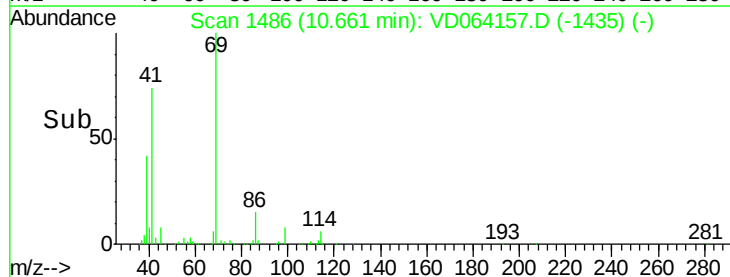
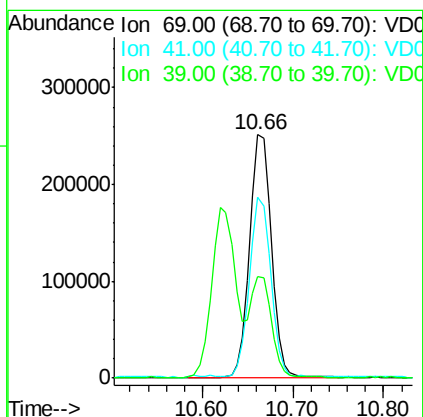
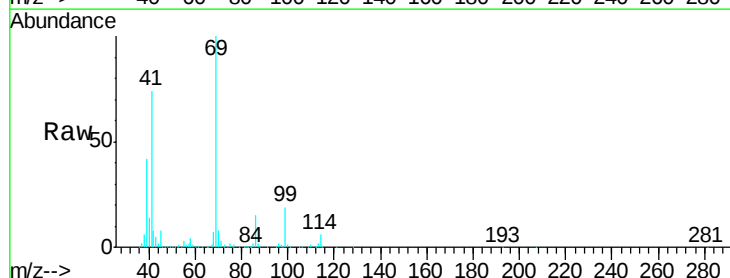
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

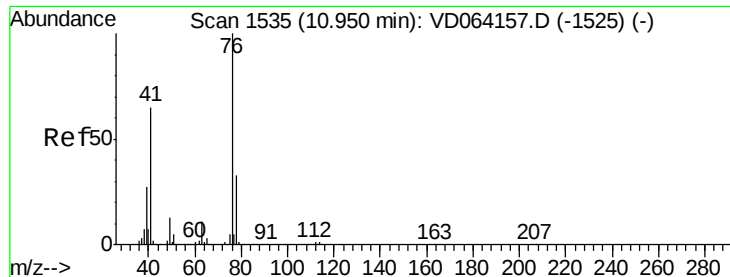
Tgt Ion:	97	Resp:	300065
Ion	Ratio	Lower	Upper
97	100		
83	81.4	65.1	97.7
85	52.5	42.0	63.0
99	61.1	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 58.281 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion:	69	Resp:	419951
Ion	Ratio	Lower	Upper
69	100		
41	72.4	57.9	86.9
39	36.2	29.0	43.4

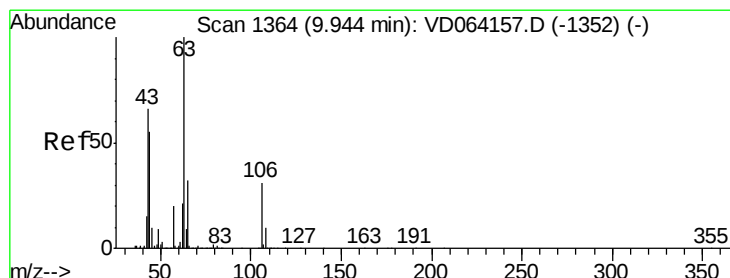
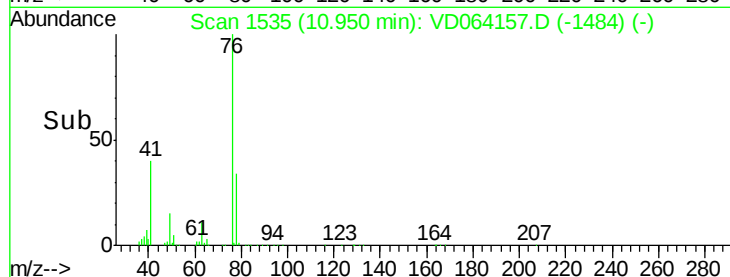
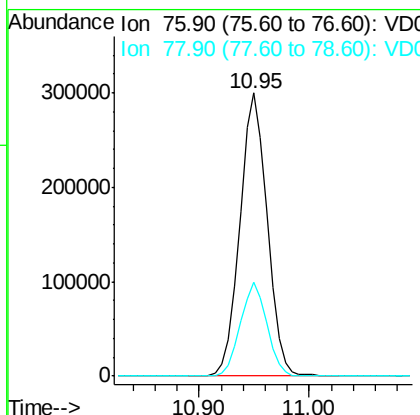
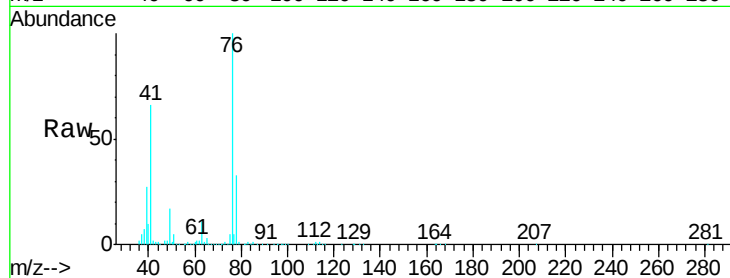




#57
 1,3-Dichloropropane
 Concen: 49.005 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

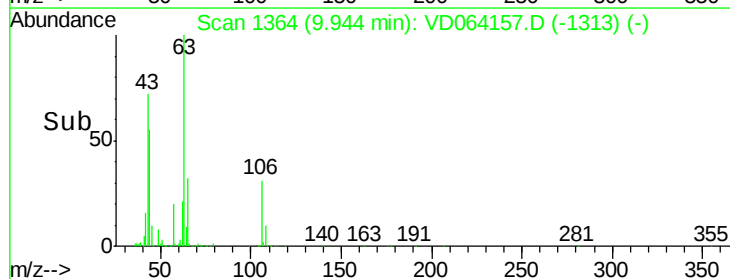
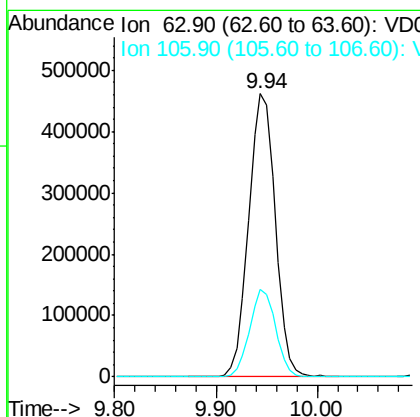
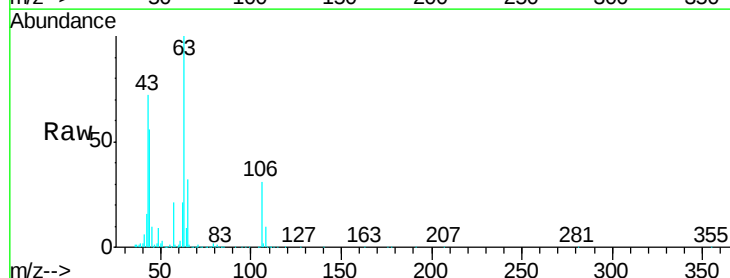
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

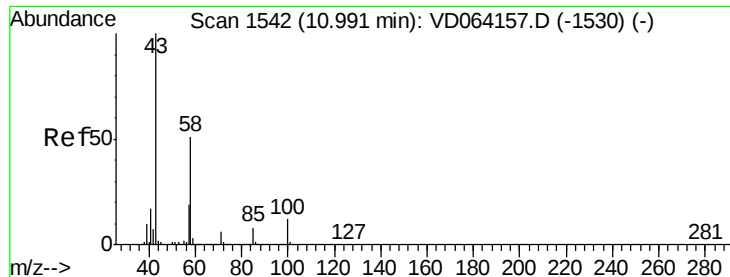
Tgt Ion: 76 Resp: 522719
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 288.432 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion: 63 Resp: 848723
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.1 36.1

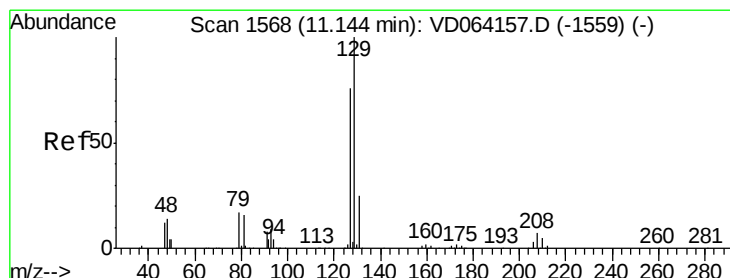
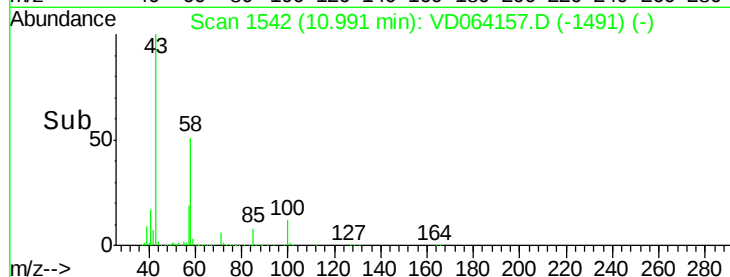
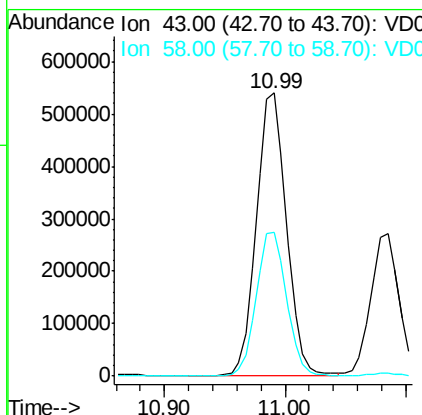
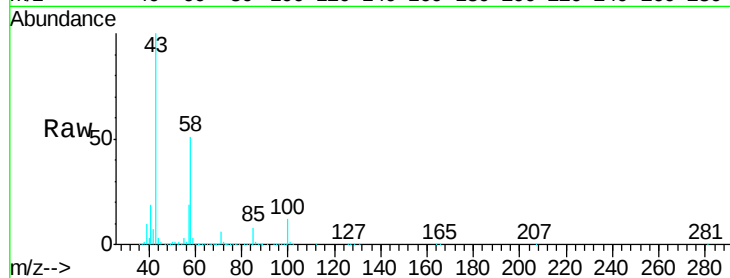




#59
2-Hexanone
Concen: 309.784 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

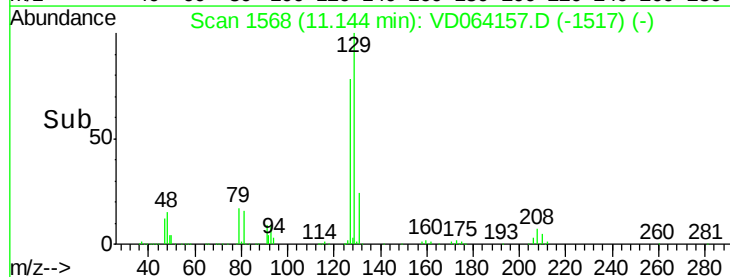
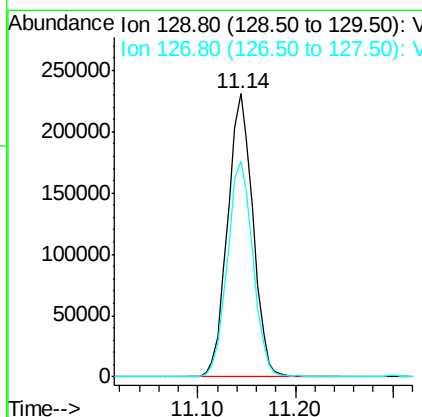
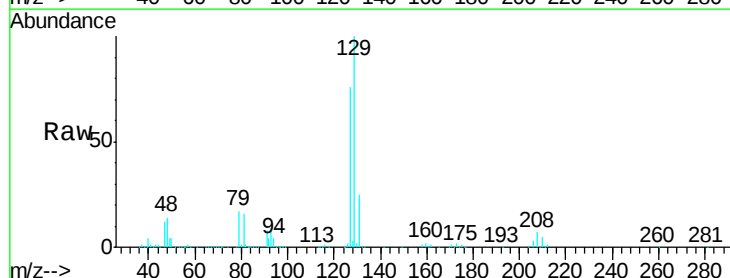
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 927727
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7



#60
Dibromochloromethane
Concen: 47.747 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion: 129 Resp: 415356
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

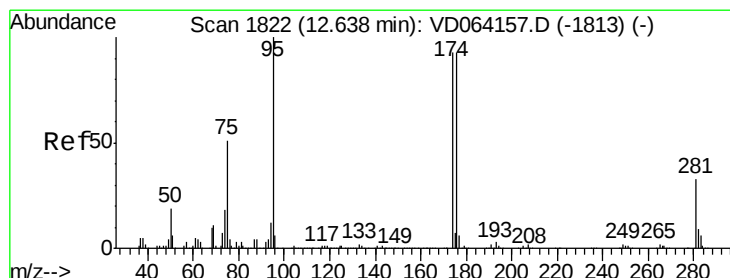
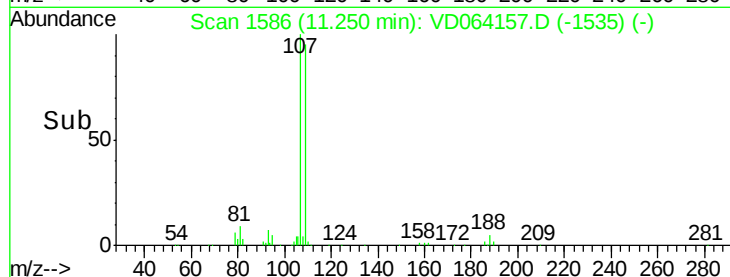
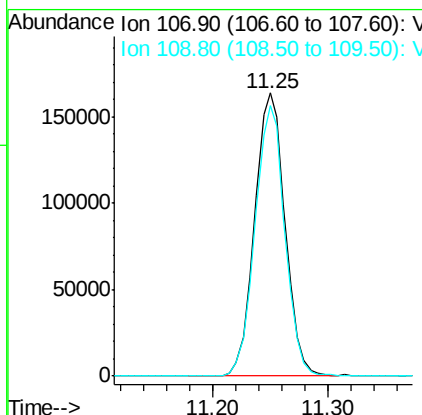
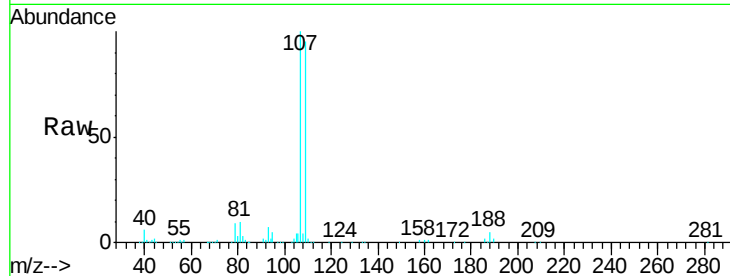




#61
 1,2-Dibromoethane
 Concen: 47.104 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

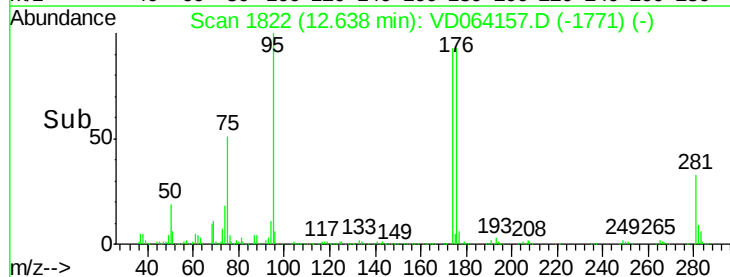
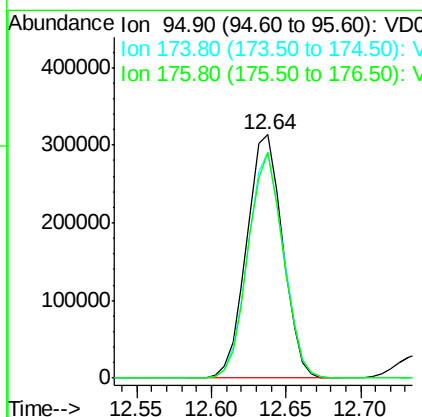
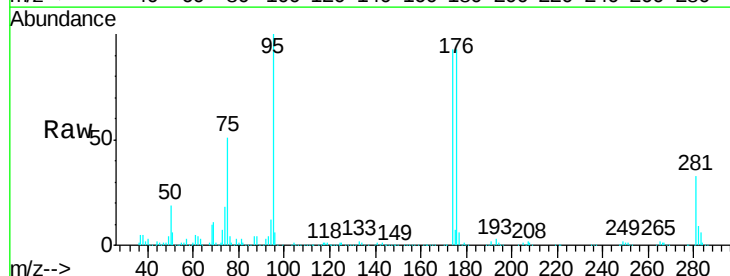
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

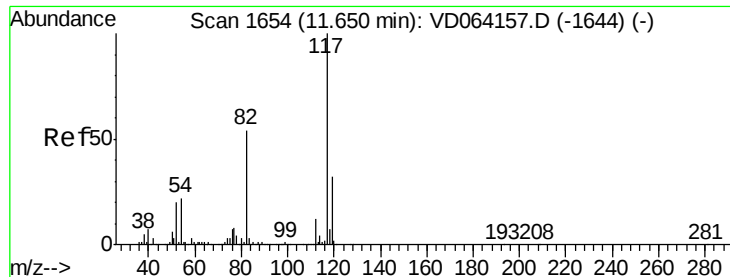
Tgt Ion: 107 Resp: 300273
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 49.982 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion: 95 Resp: 522375
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 183.6
 176 90.1 0.0 180.2

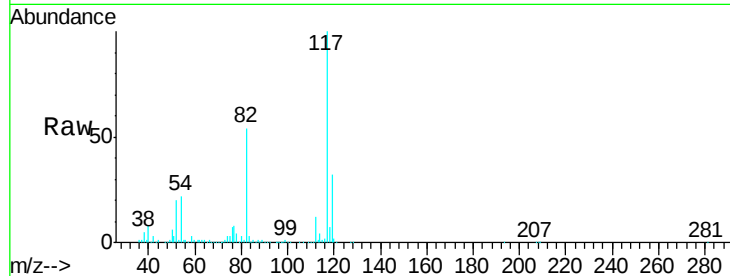




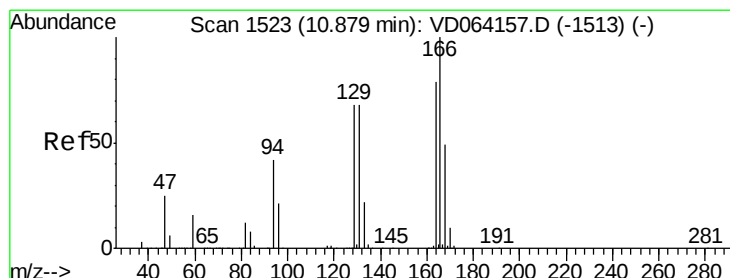
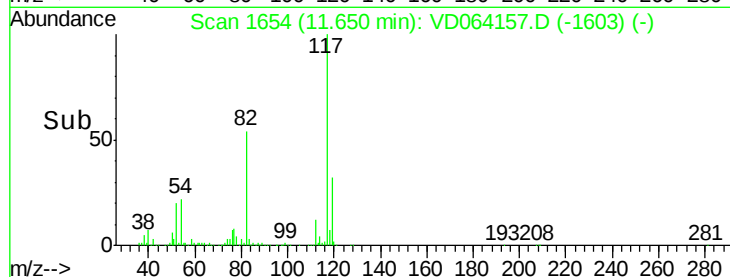
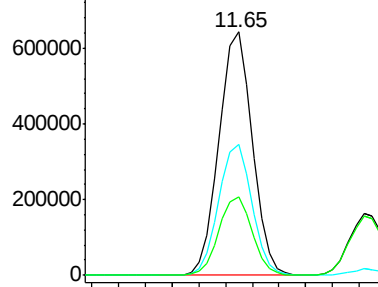
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 1110839
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.0 25.6 38.4



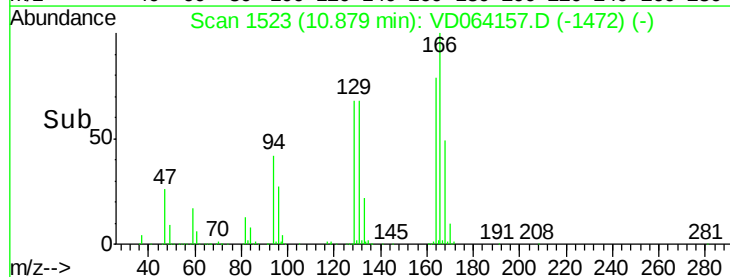
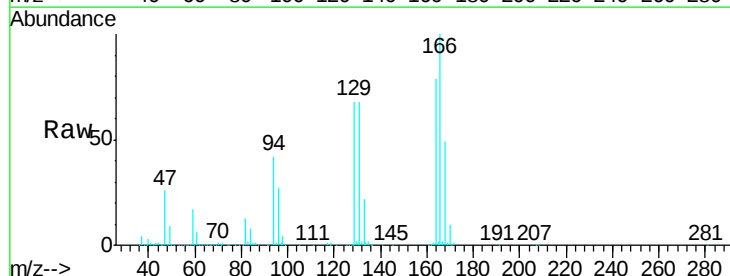
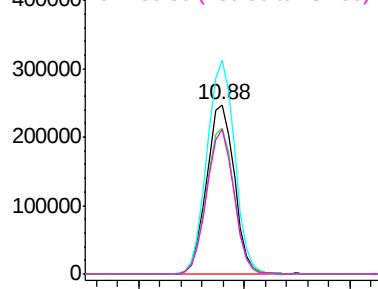
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

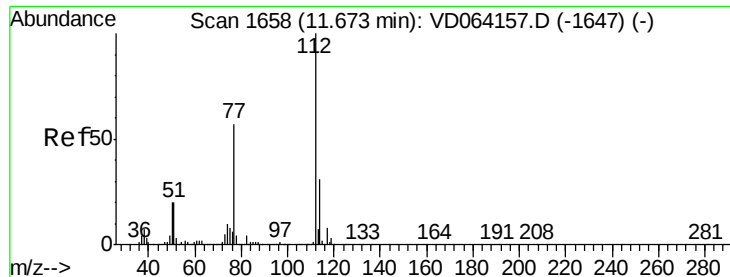


#64
Tetrachloroethene
Concen: 55.196 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion:164 Resp: 448620
Ion Ratio Lower Upper
164 100
166 126.0 100.8 151.2
129 85.9 68.7 103.1
131 85.1 68.1 102.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

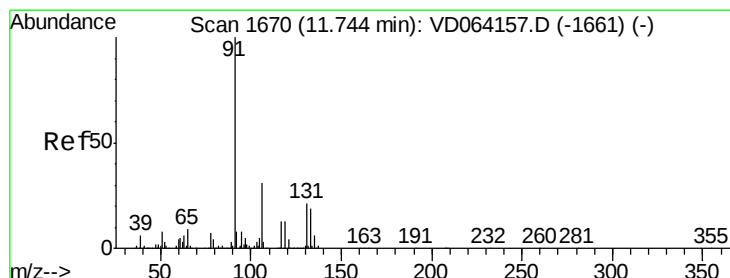
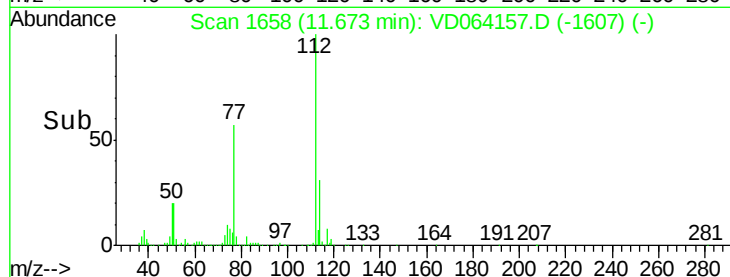
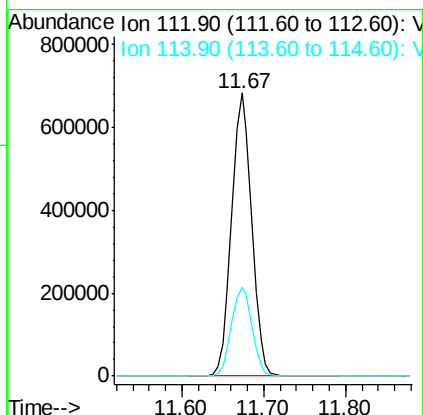
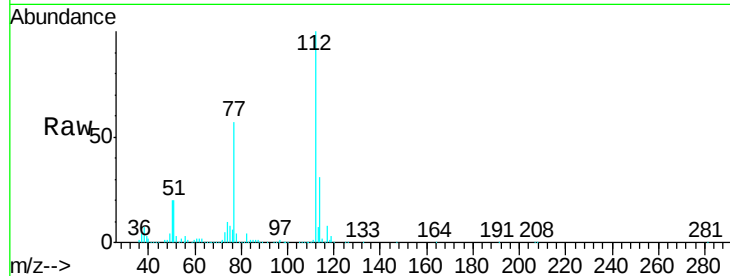




#65
Chlorobenzene
Concen: 51.032 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

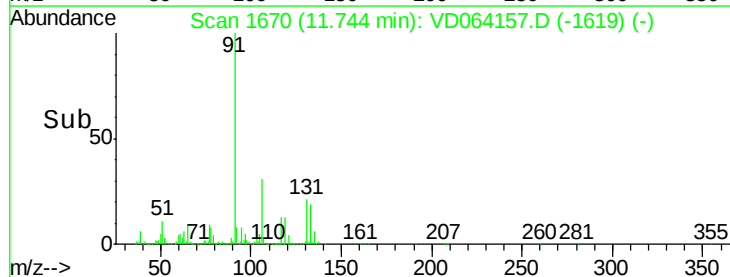
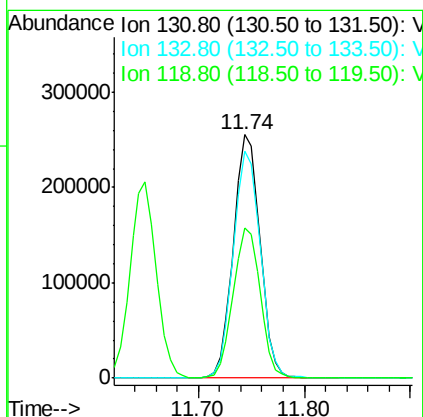
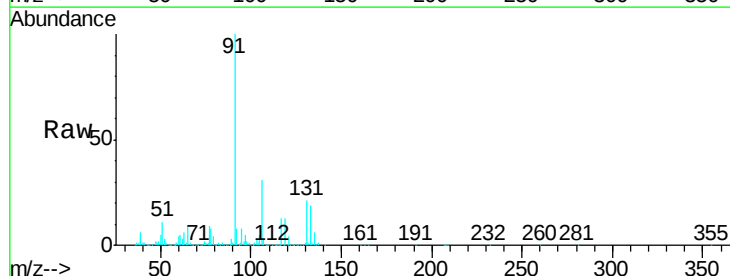
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

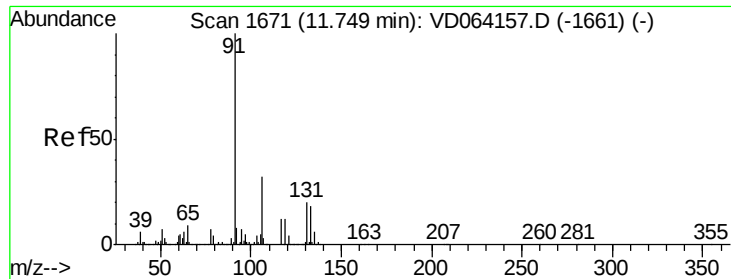
Tgt Ion:112 Resp: 1170988
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.688 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion:131 Resp: 445479
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 62.2 31.1 93.3

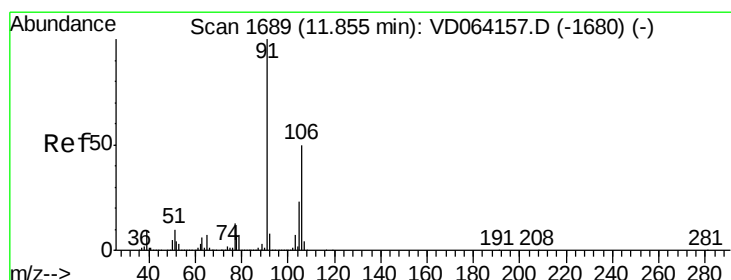
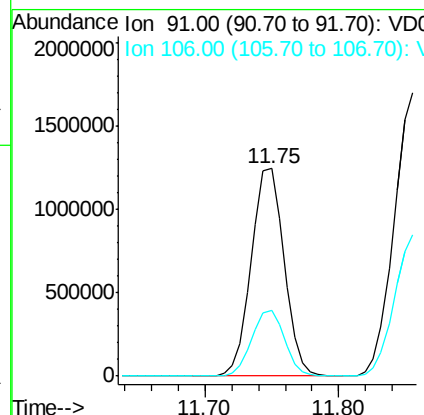
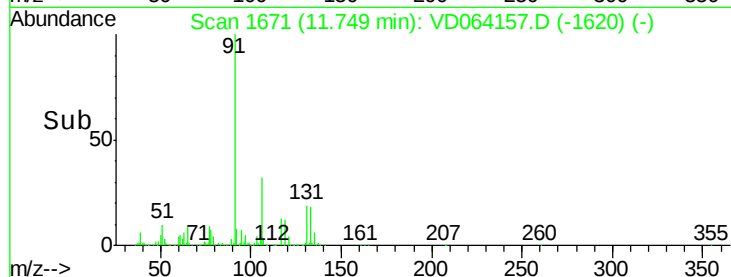
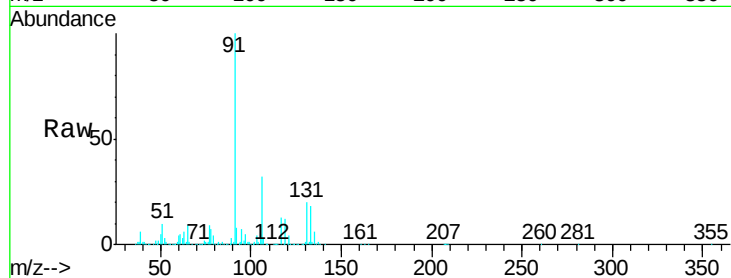




#67
Ethyl Benzene
Concen: 51.823 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

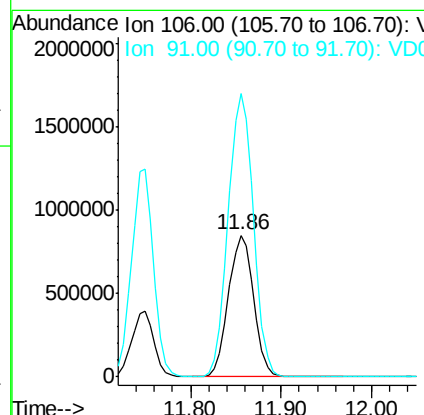
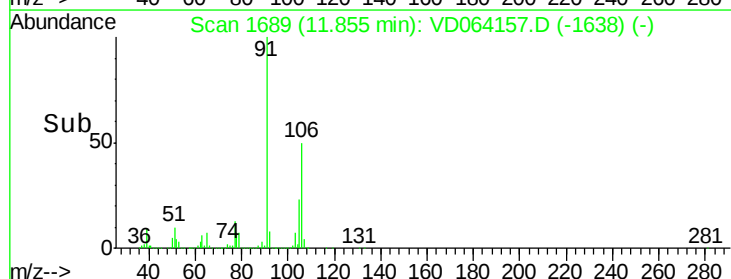
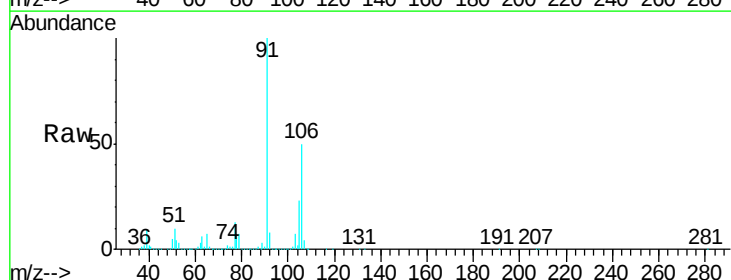
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

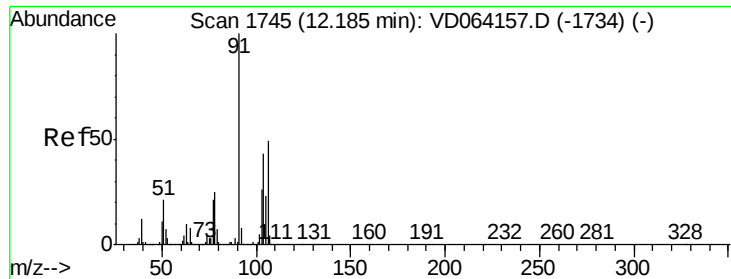
Tgt Ion: 91 Resp: 2121272
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 100.535 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion: 106 Resp: 1640447
Ion Ratio Lower Upper
106 100
91 200.4 160.3 240.5

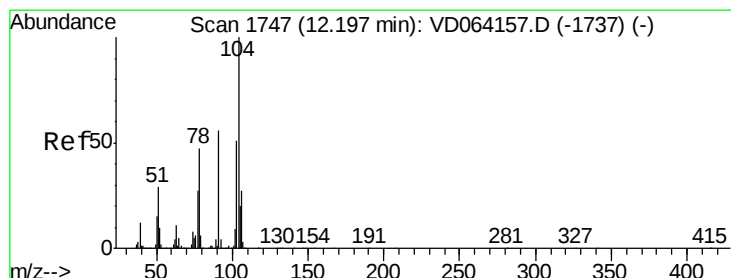
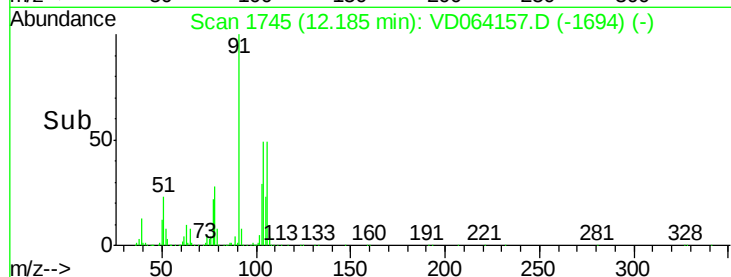
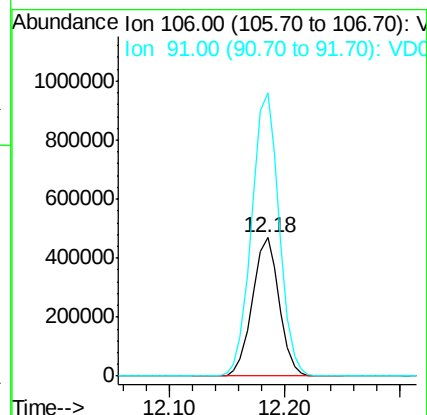
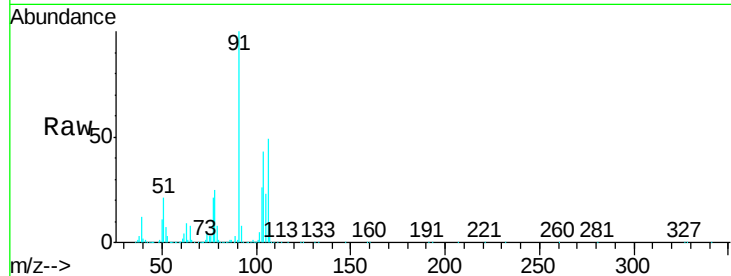




#69
o-Xylene
Concen: 50.796 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

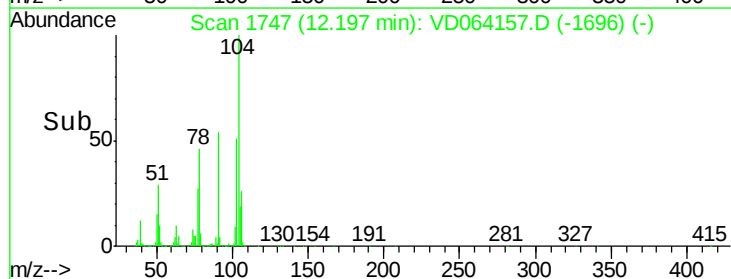
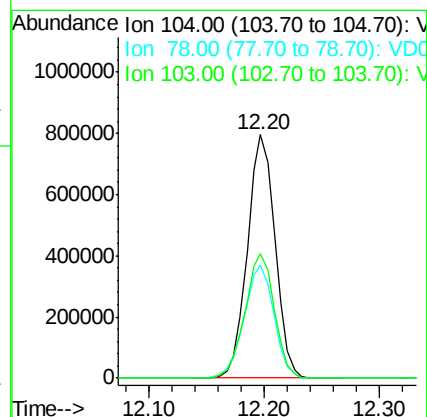
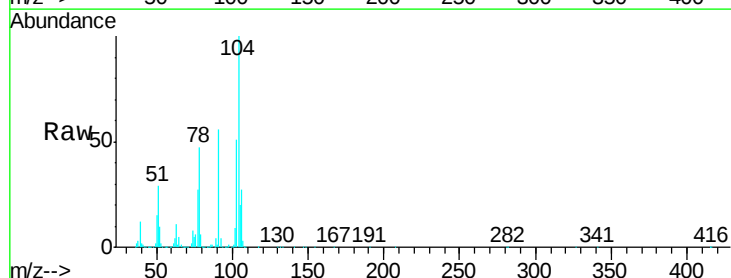
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

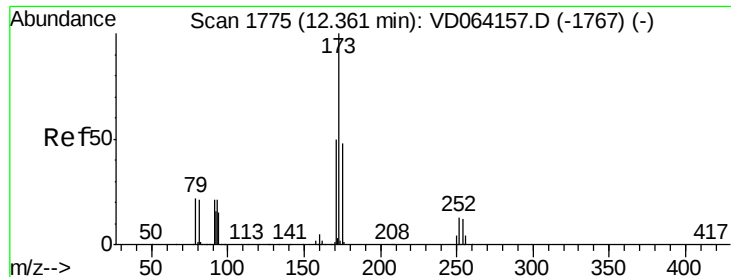
Tgt Ion:106 Resp: 757628
Ion Ratio Lower Upper
106 100
91 210.2 105.1 315.3



#70
Styrene
Concen: 51.620 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion:104 Resp: 1324766
Ion Ratio Lower Upper
104 100
78 49.9 39.9 59.9
103 54.2 43.4 65.0

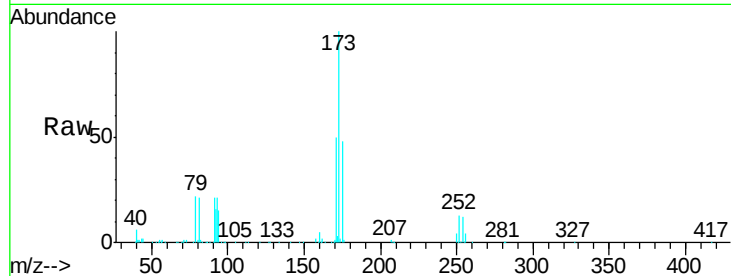




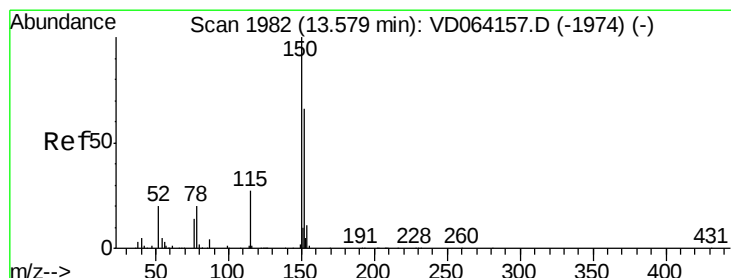
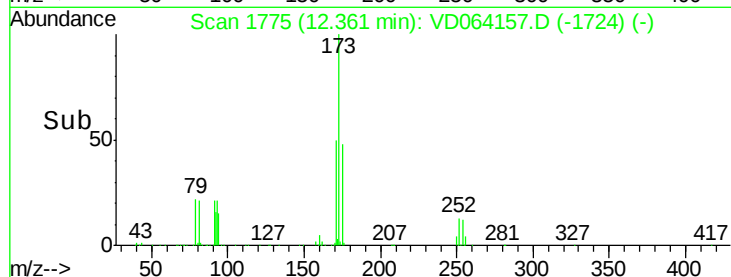
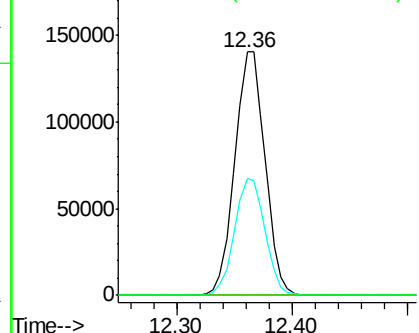
#71
Bromoform
Concen: 54.811 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 255279
Ion Ratio Lower Upper
173 100
175 48.2 24.1 72.3
254 0.2 0.2 0.2#

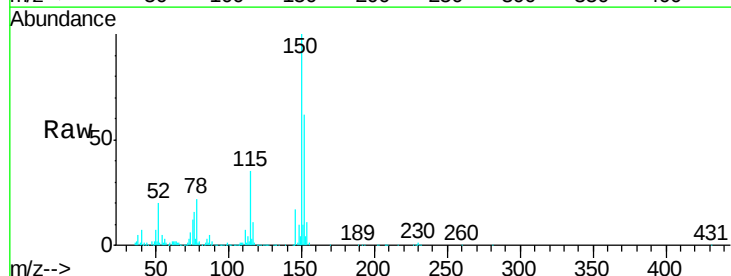


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

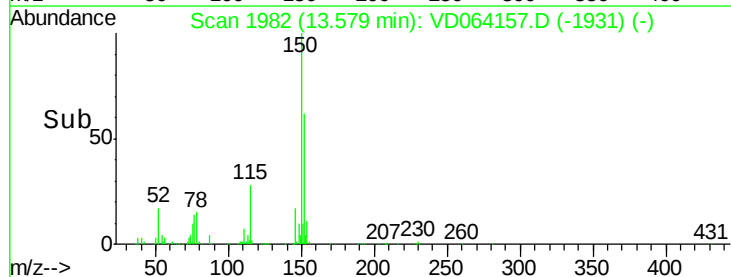
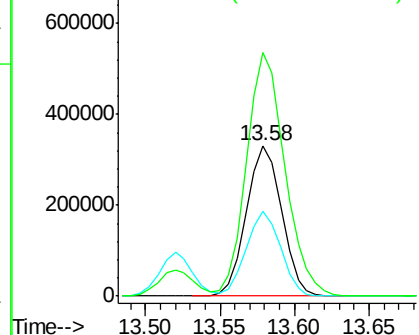


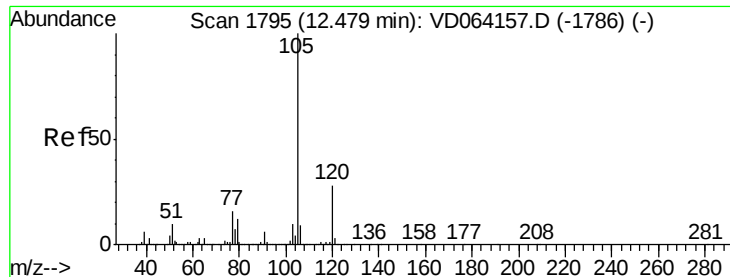
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion:152 Resp: 540677
Ion Ratio Lower Upper
152 100
115 54.8 27.4 82.2
150 175.8 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: 54.101 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

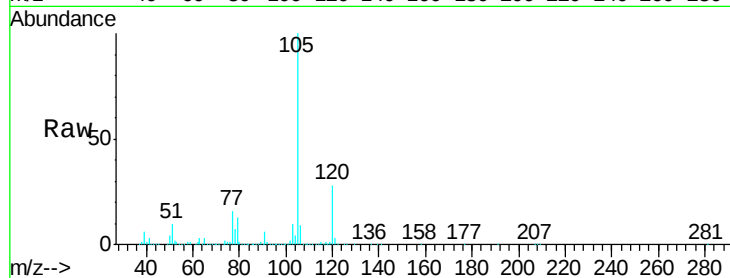
VSTDICCC050

Tgt Ion: 105 Resp: 2069558

Ion Ratio Lower Upper

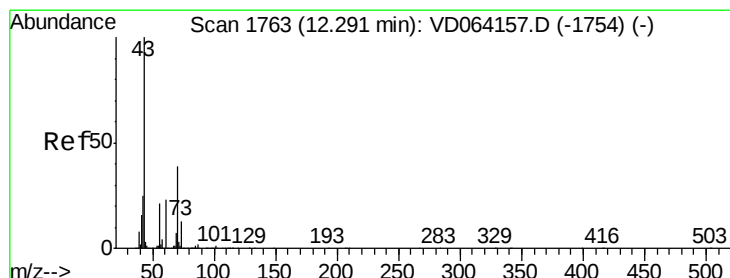
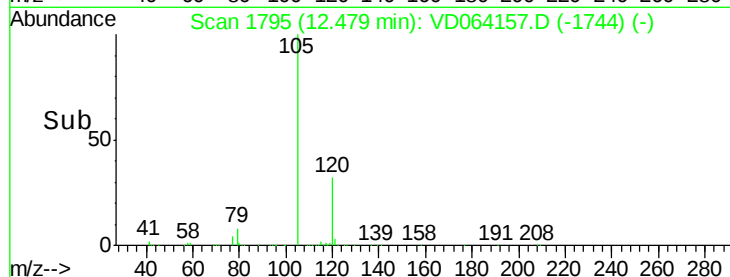
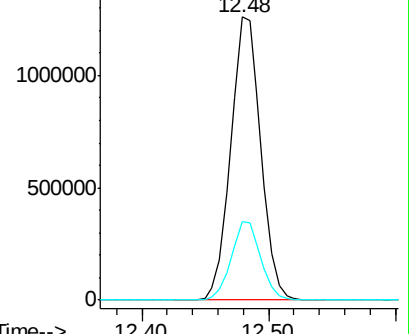
105 100

120 27.2 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: 70.870 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Tgt Ion: 43 Resp: 480254

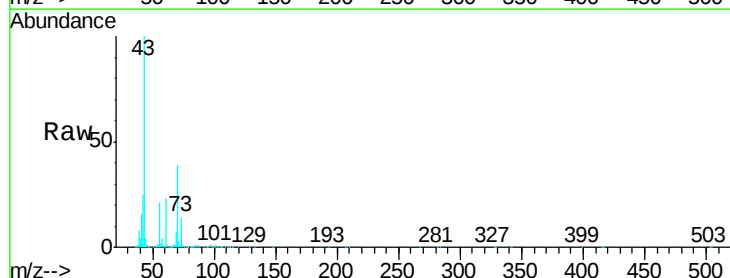
Ion Ratio Lower Upper

43 100

70 40.5 32.4 48.6

55 22.4 17.9 26.9

61 23.7 19.0 28.4

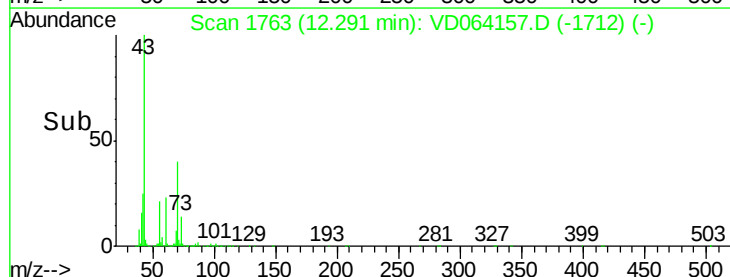
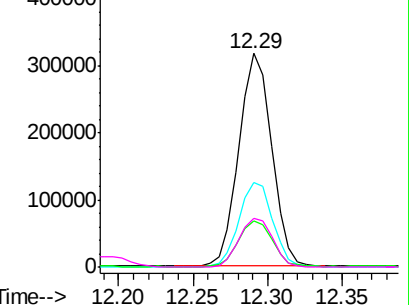


Abundance Ion 43.00 (42.70 to 43.70): V

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: 51.257 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

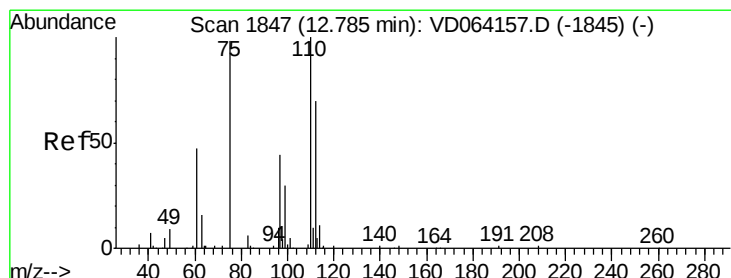
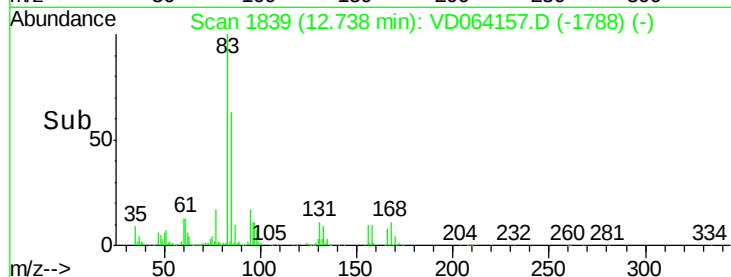
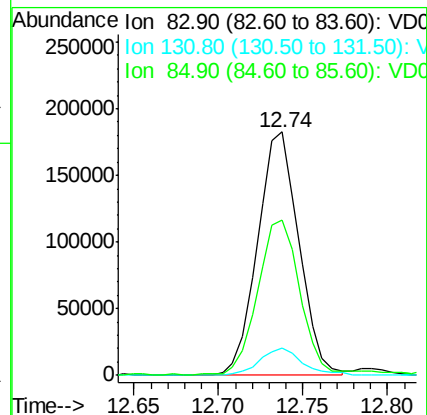
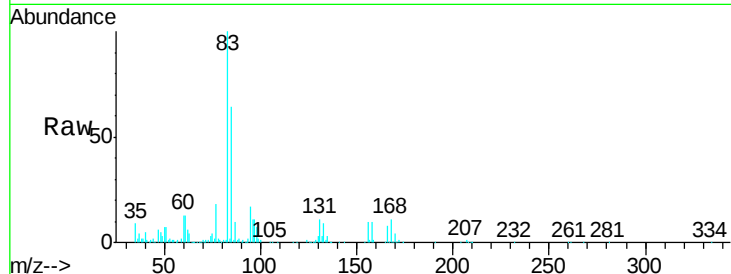
Tgt Ion: 83 Resp: 307358

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.7

85 65.0 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 114.323 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD064157.D

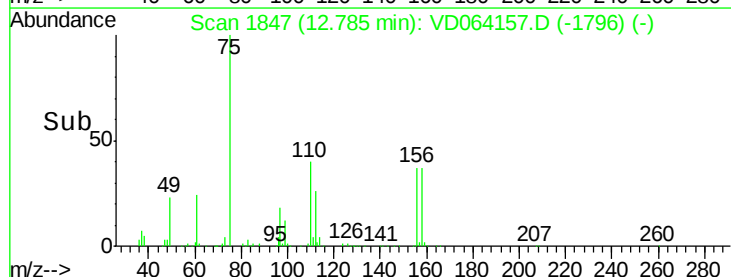
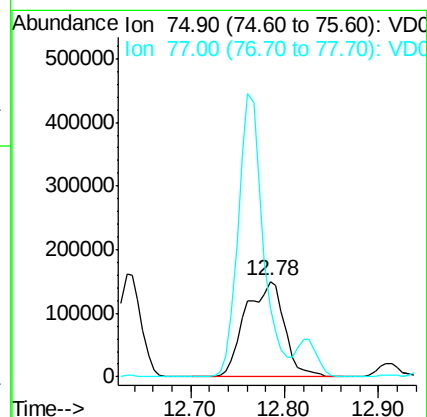
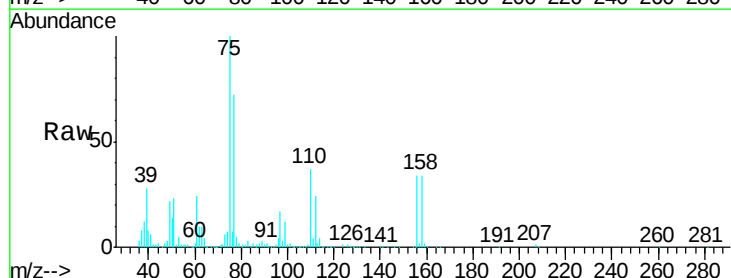
Acq: 08 Nov 2019 15:03

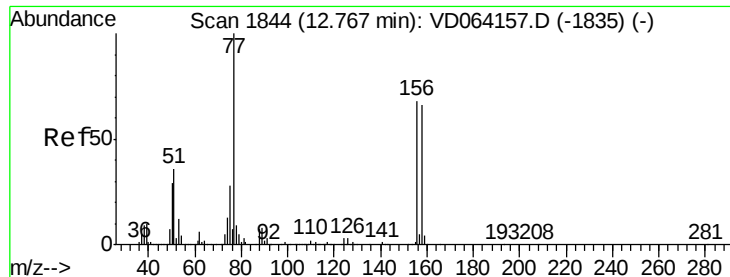
Tgt Ion: 75 Resp: 428485

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.330 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

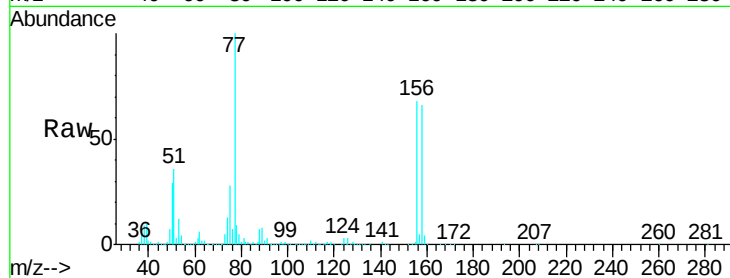
Tgt Ion:156 Resp: 503597

Ion Ratio Lower Upper

156 100

77 162.3 81.2 243.4

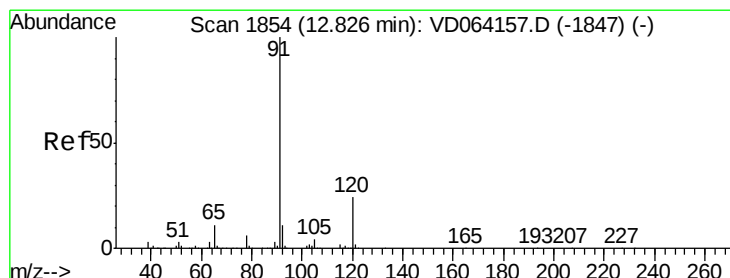
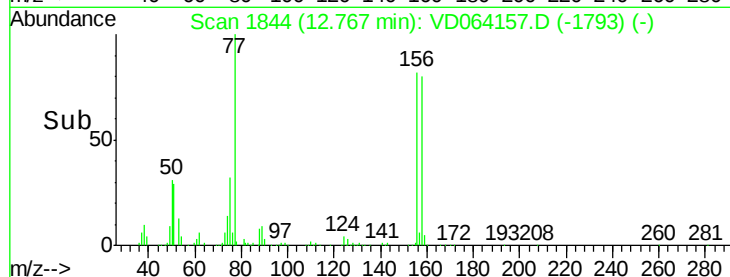
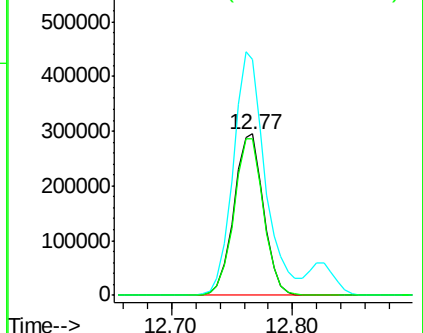
158 96.8 48.4 145.2



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: 53.324 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064157.D

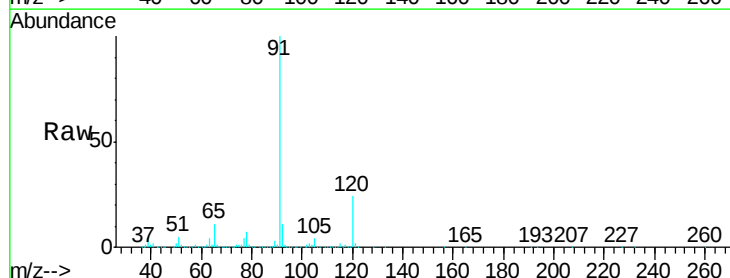
Acq: 08 Nov 2019 15:03

Tgt Ion: 91 Resp: 2381115

Ion Ratio Lower Upper

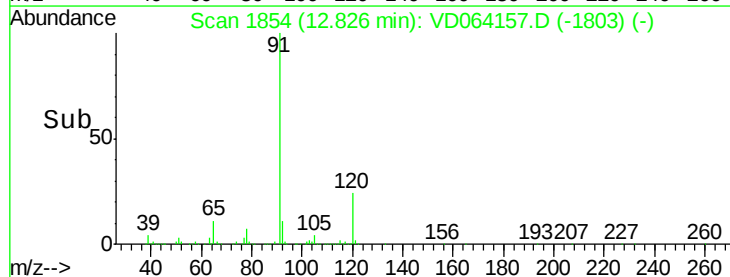
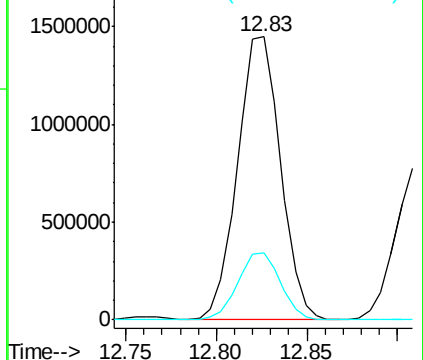
91 100

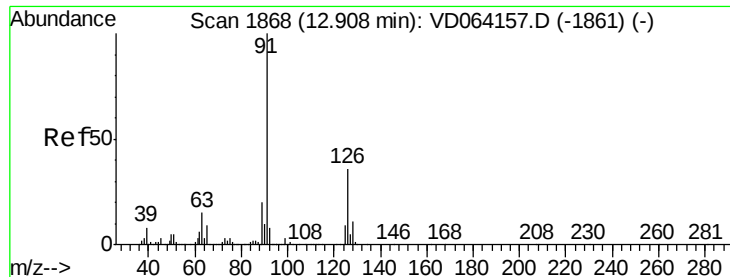
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.217 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

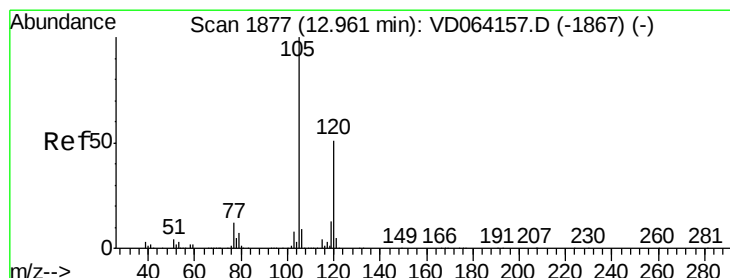
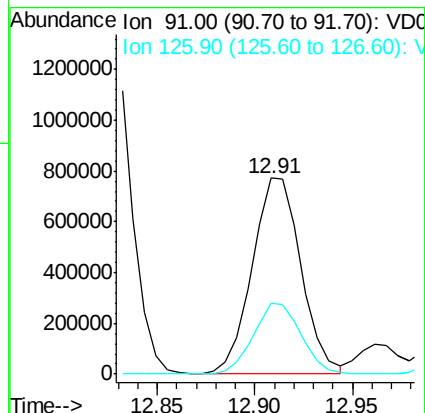
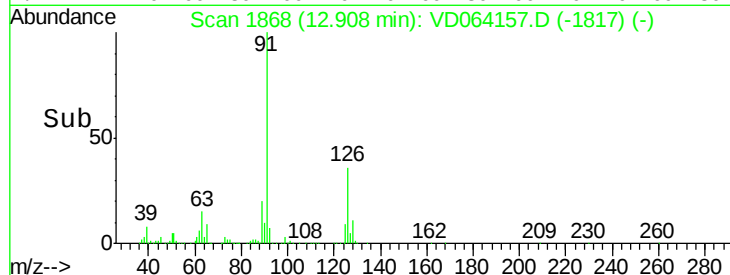
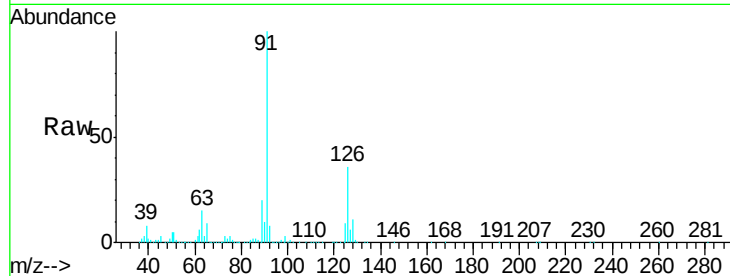
VSTDICCC050

Tgt Ion: 91 Resp: 1335504

Ion Ratio Lower Upper

91 100

126 35.4 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 53.258 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD064157.D

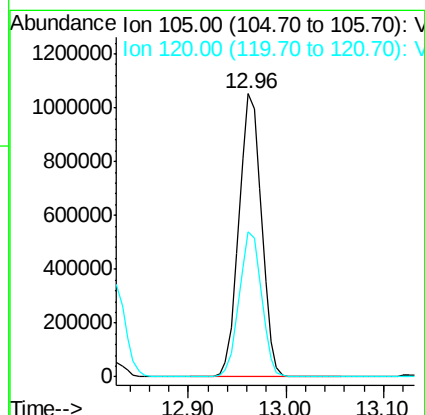
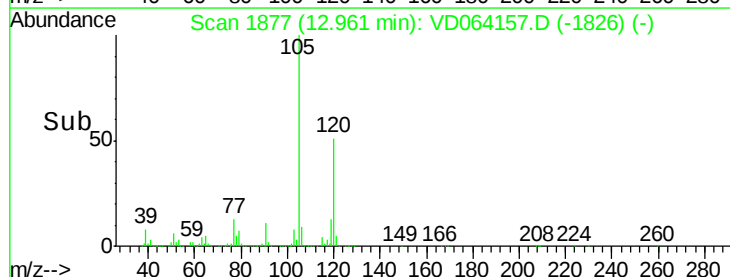
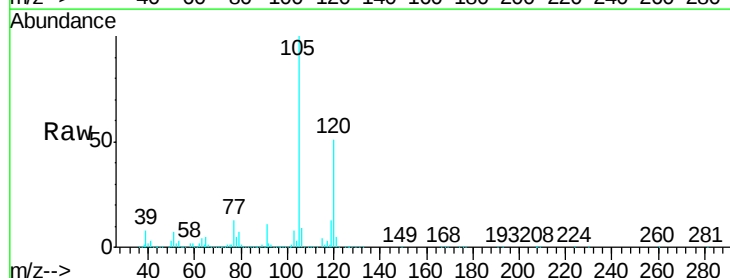
Acq: 08 Nov 2019 15:03

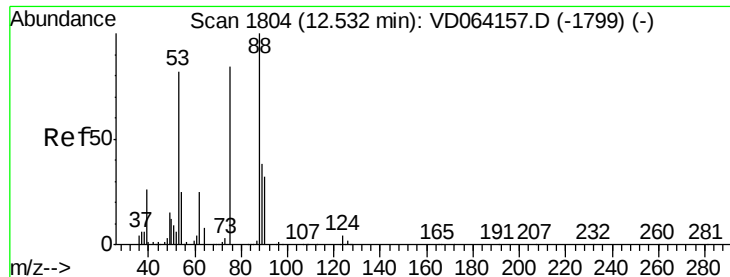
Tgt Ion: 105 Resp: 1694114

Ion Ratio Lower Upper

105 100

120 50.9 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 61.502 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

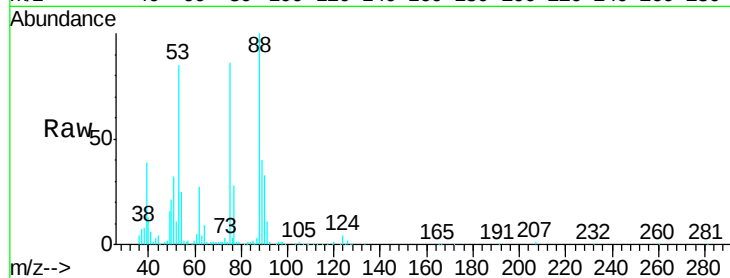
Tgt Ion: 75 Resp: 114233

Ion Ratio Lower Upper

75 100

53 99.2 79.4 119.0

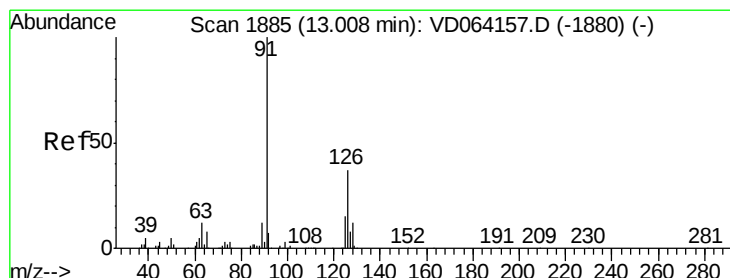
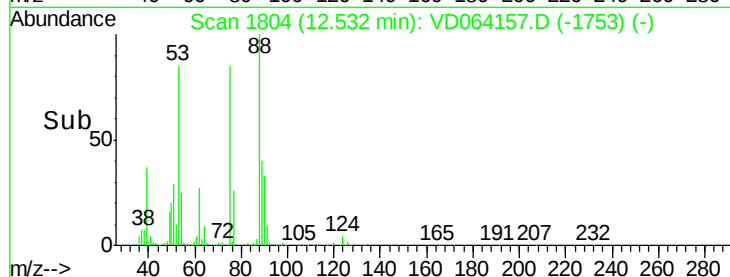
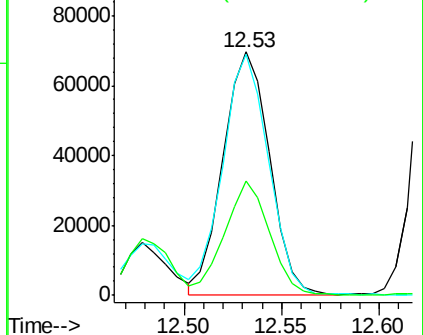
89 45.8 36.6 55.0



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: 53.979 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064157.D

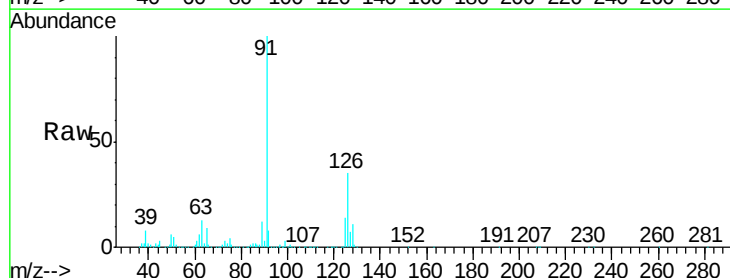
Acq: 08 Nov 2019 15:03

Tgt Ion: 91 Resp: 1384488

Ion Ratio Lower Upper

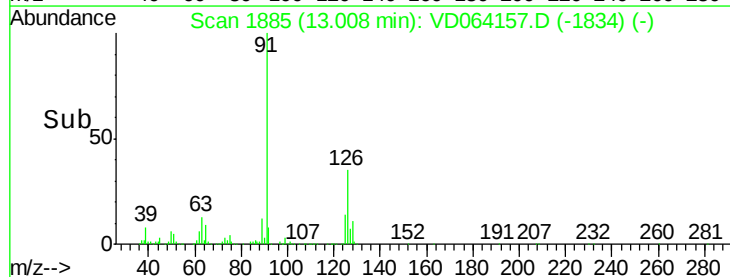
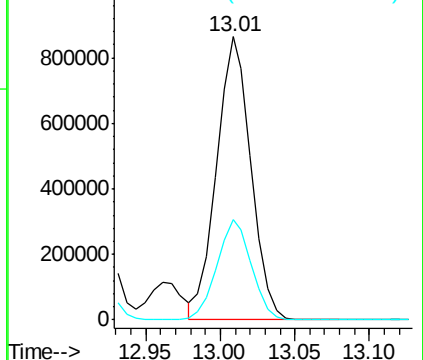
91 100

126 35.6 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

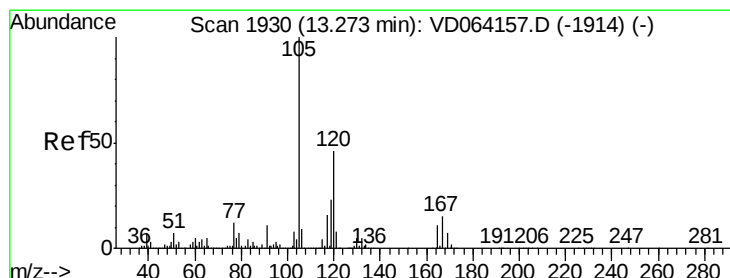
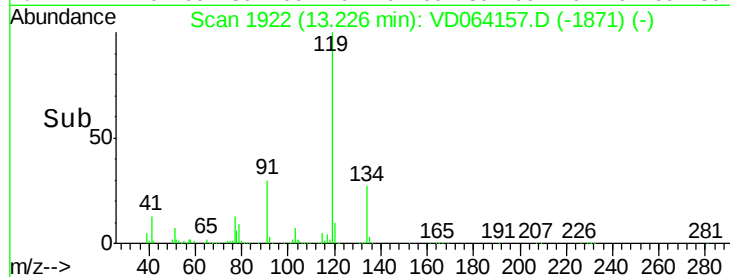
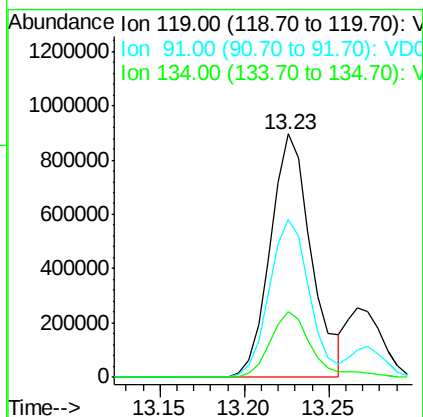
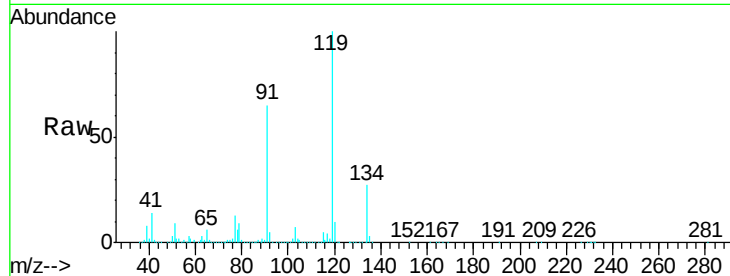




#83
 tert-Butylbenzene
 Concen: 52.895 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

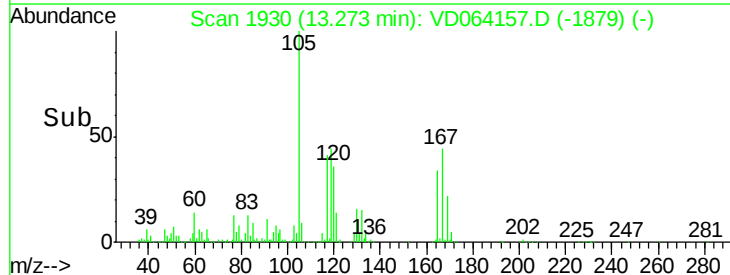
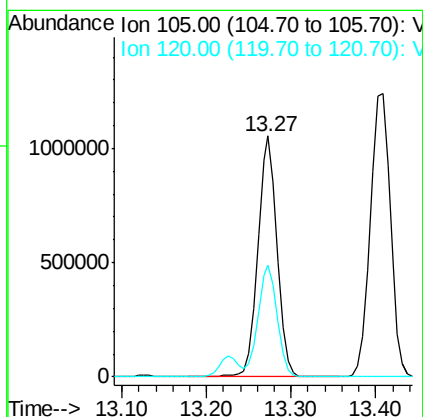
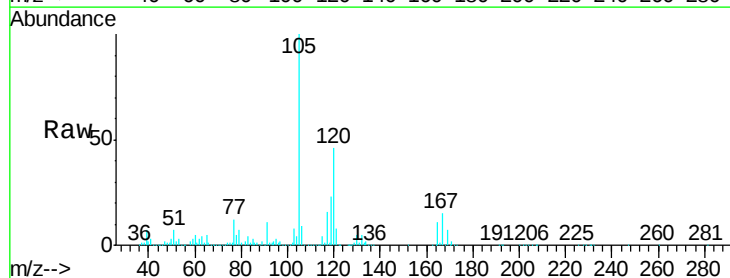
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

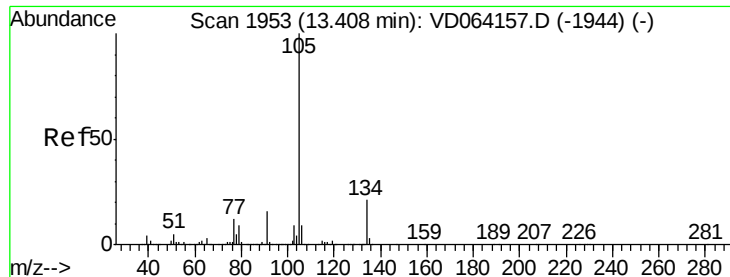
Tgt Ion:119 Resp: 1507330
 Ion Ratio Lower Upper
 119 100
 91 63.6 31.8 95.4
 134 27.3 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 52.637 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion:105 Resp: 1677843
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.8

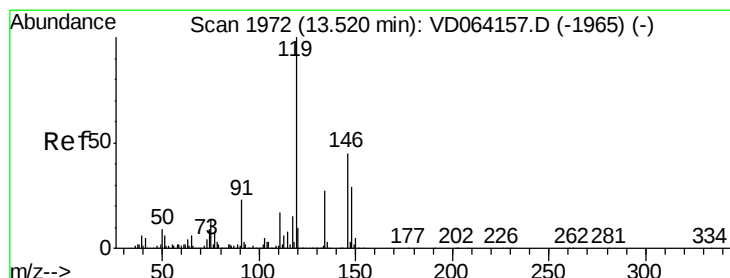
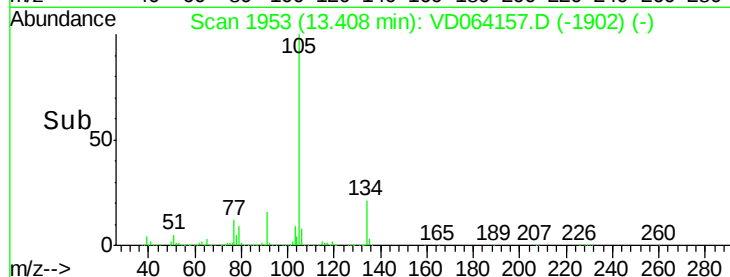
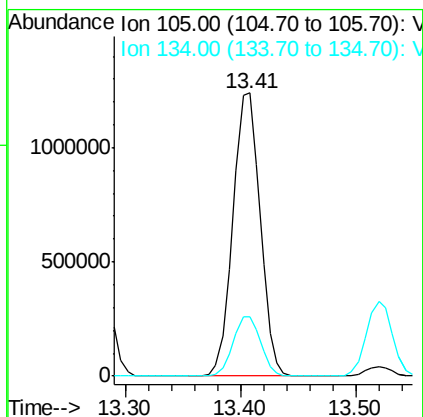
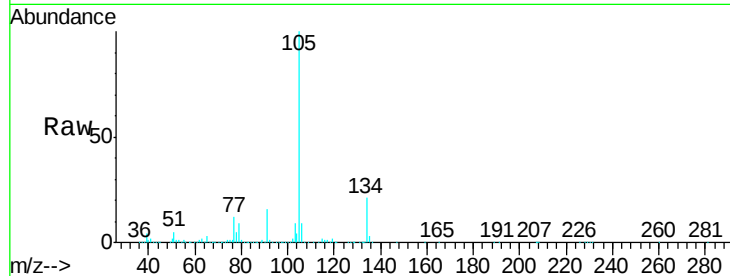




#85
 sec-Butylbenzene
 Concen: 52.175 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

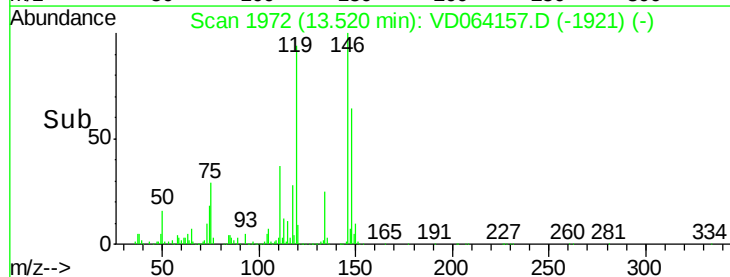
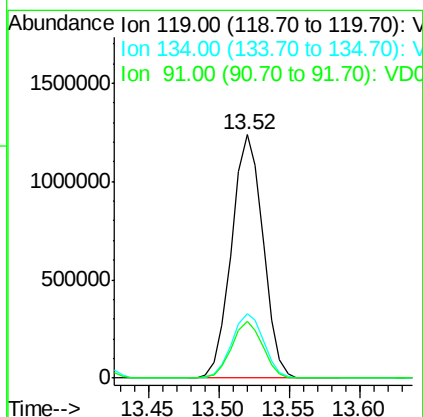
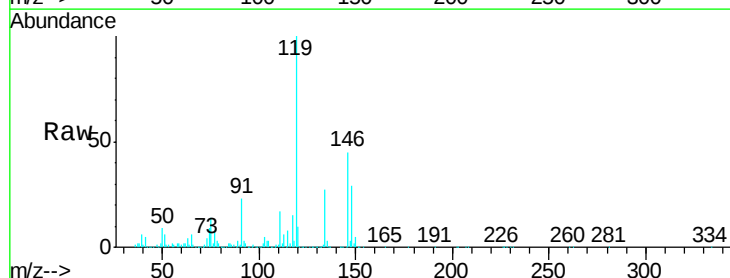
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

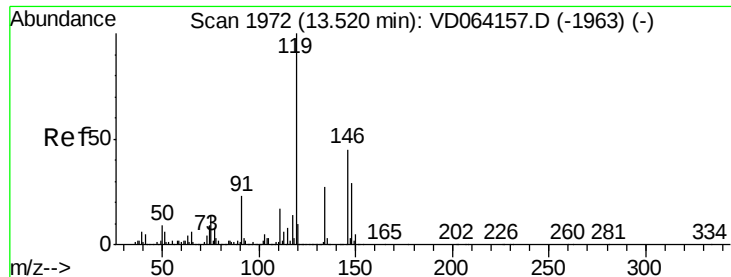
Tgt Ion:105 Resp: 2028292
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 52.461 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion:119 Resp: 1914595
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.5
 91 22.9 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 50.638 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

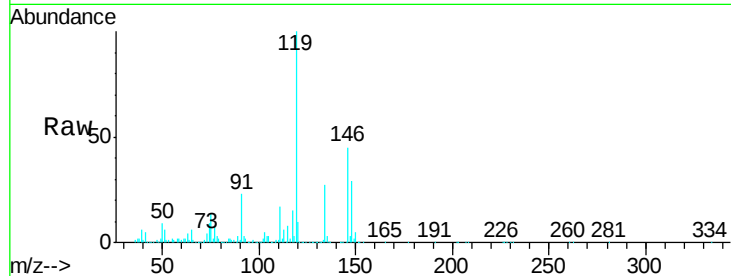
Tgt Ion:146 Resp: 921849

Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.9

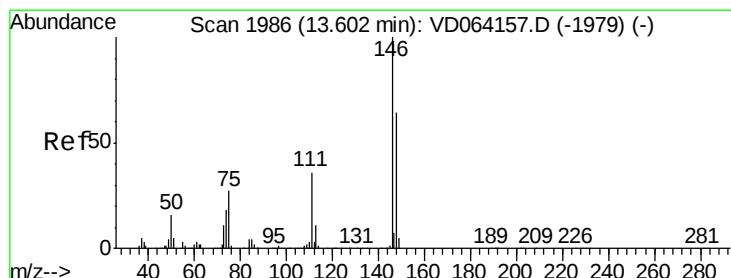
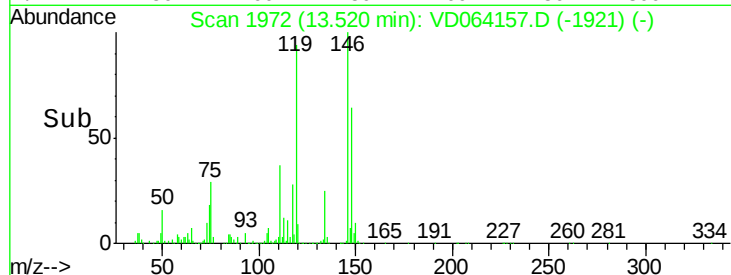
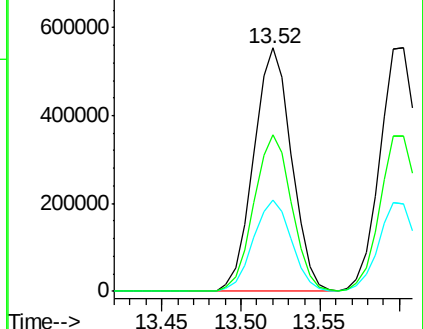
148 64.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.411 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064157.D

Acq: 08 Nov 2019 15:03

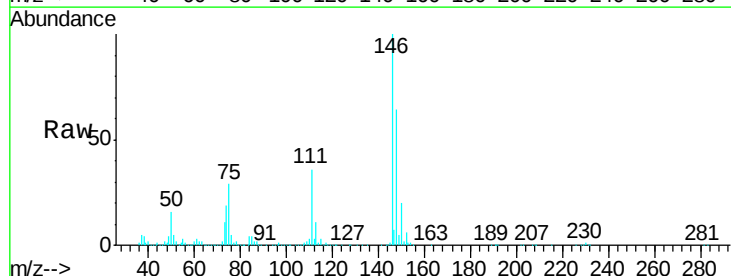
Tgt Ion:146 Resp: 927675

Ion Ratio Lower Upper

146 100

111 36.3 18.1 54.4

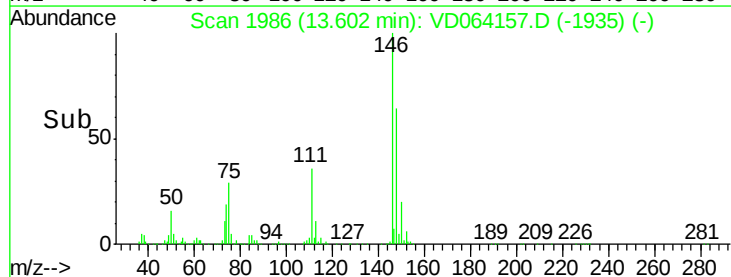
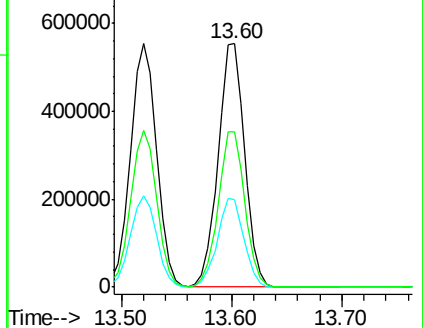
148 63.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

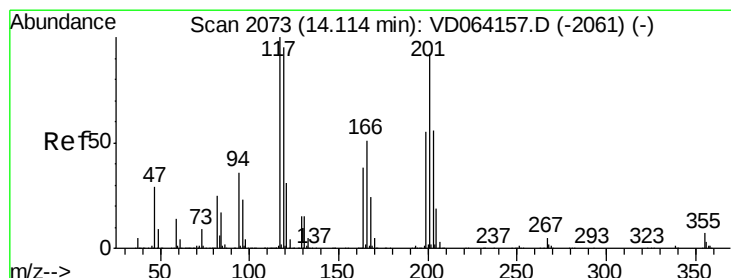
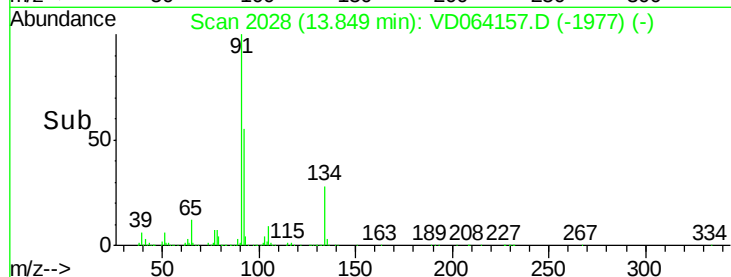
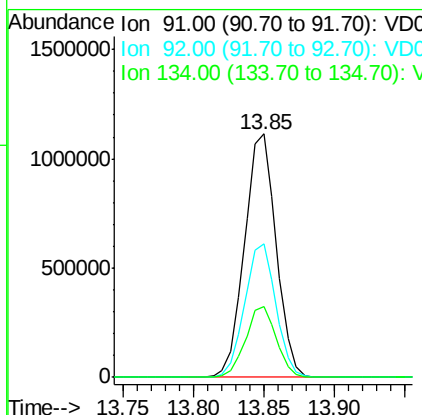
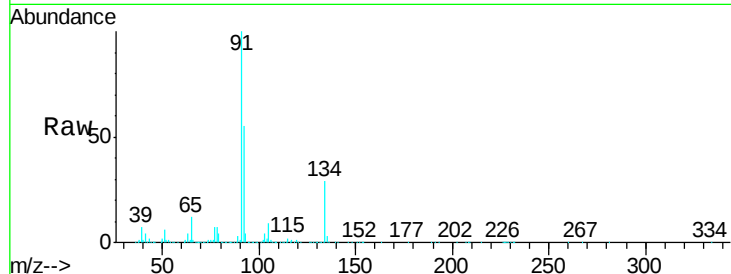




#89
n-Butylbenzene
Concen: 51.975 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

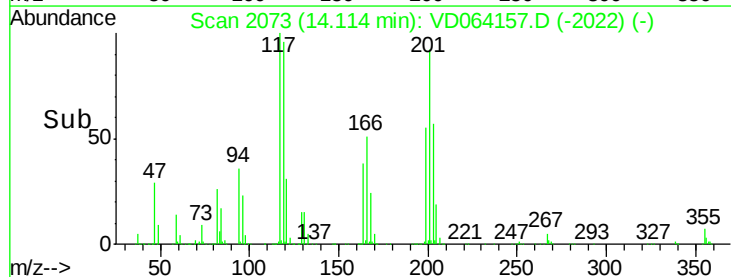
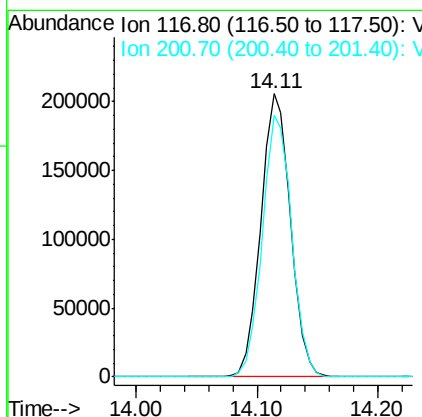
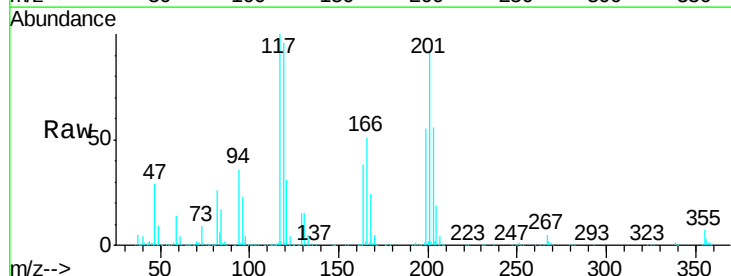
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1745825
Ion Ratio Lower Upper
91 100
92 54.5 27.3 81.8
134 28.3 14.1 42.4



#90
Hexachloroethane
Concen: 51.240 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion: 117 Resp: 351797
Ion Ratio Lower Upper
117 100
201 91.6 45.8 137.4

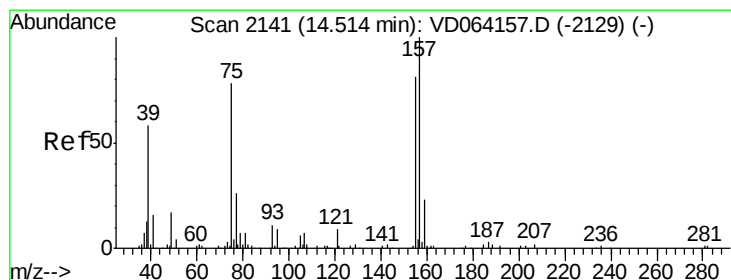
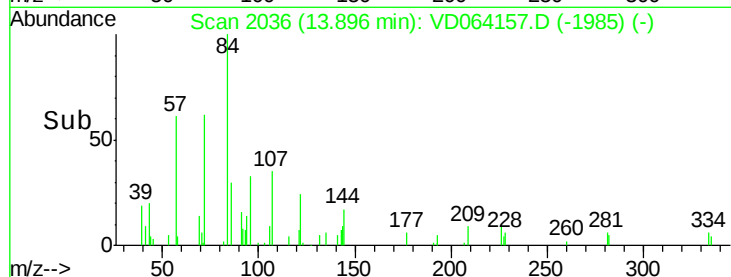
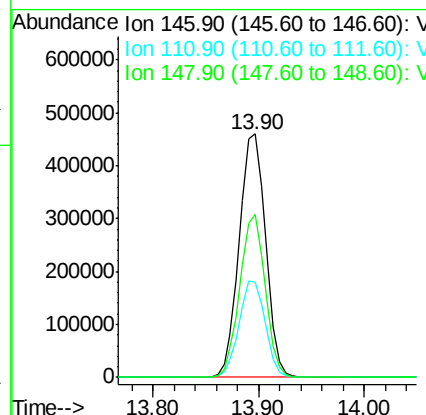
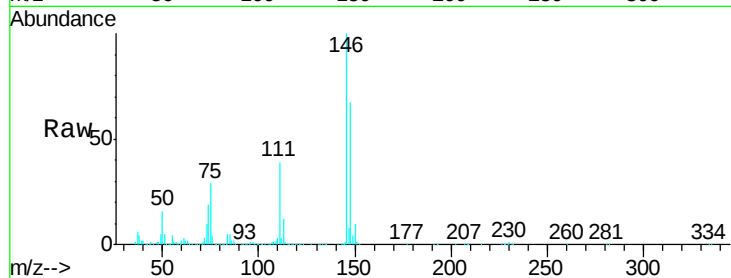




#91
 1,2-Dichlorobenzene
 Concen: 50.545 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

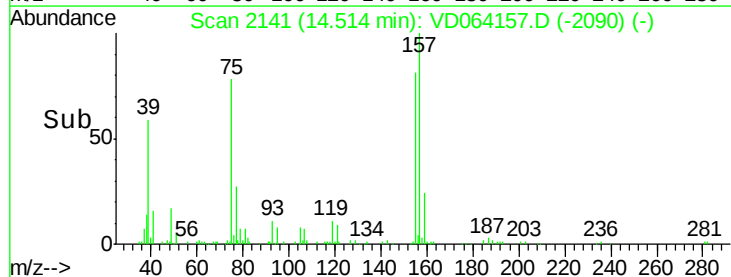
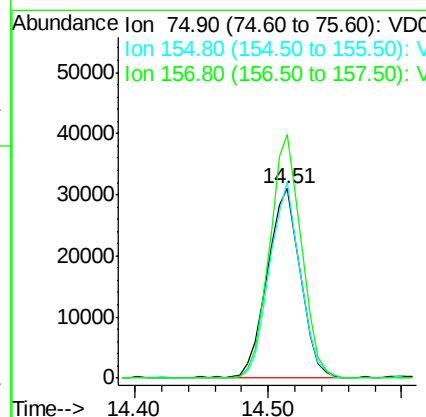
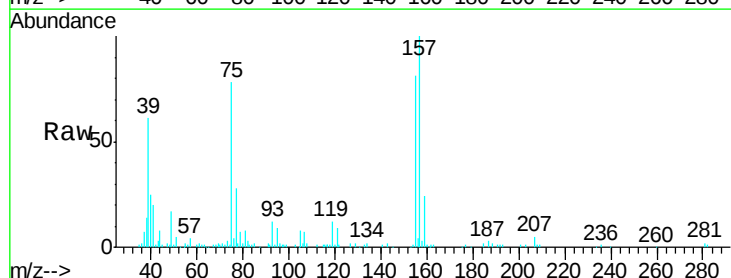
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 146 Resp: 792466
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 64.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.149 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion: 75 Resp: 53568
 Ion Ratio Lower Upper
 75 100
 155 96.0 48.0 144.0
 157 122.9 61.5 184.4

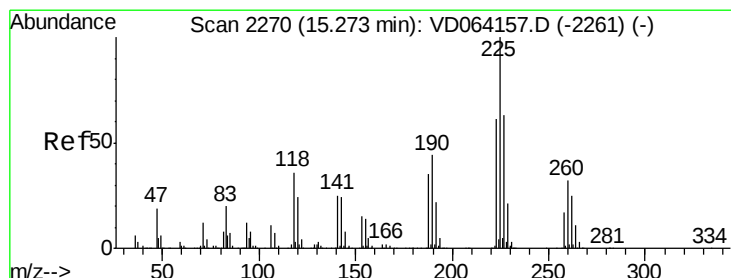
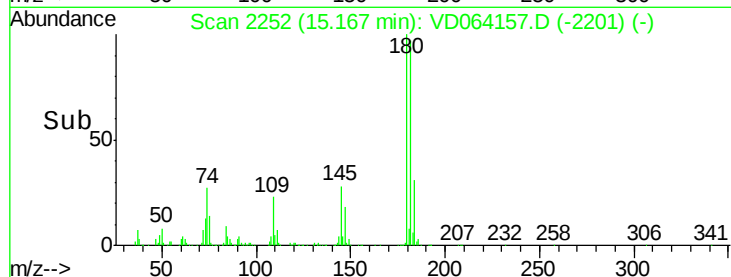
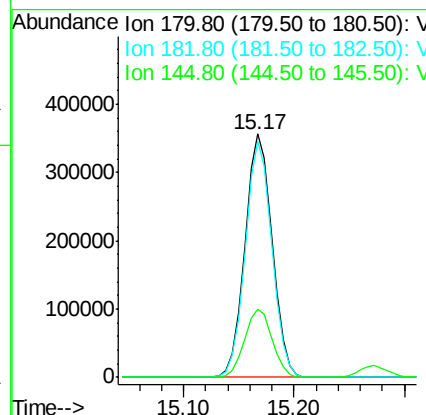
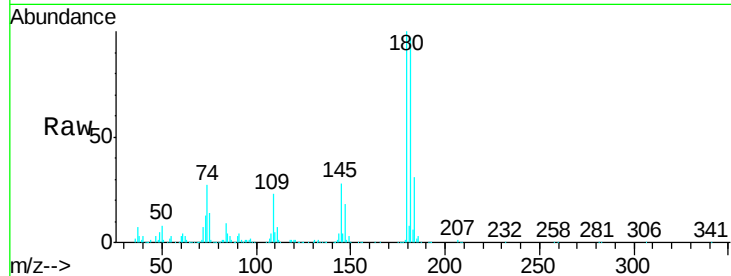




#93
 1,2,4-Trichlorobenzene
 Concen: 54.073 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

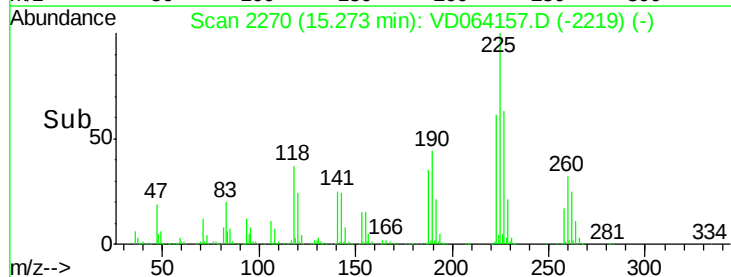
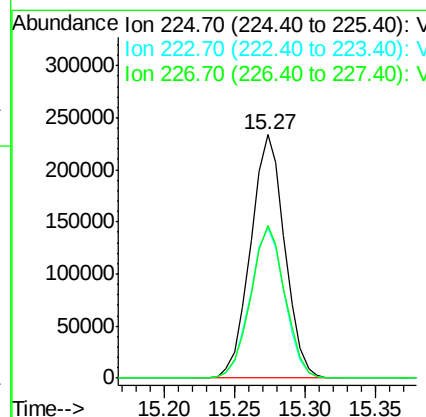
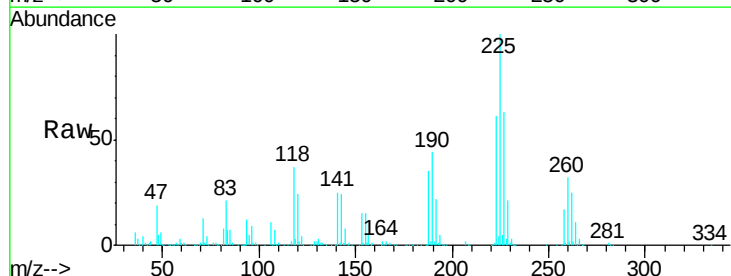
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

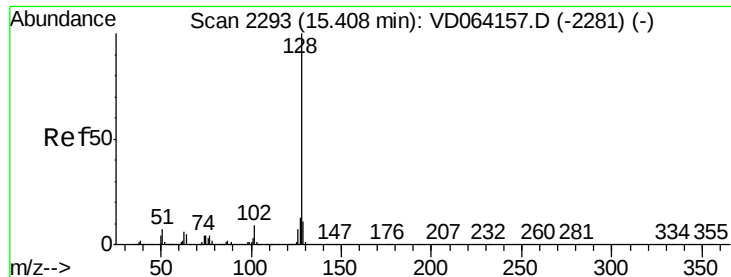
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	28.4	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 58.537 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064157.D
 Acq: 08 Nov 2019 15:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	63.0	31.5	94.5

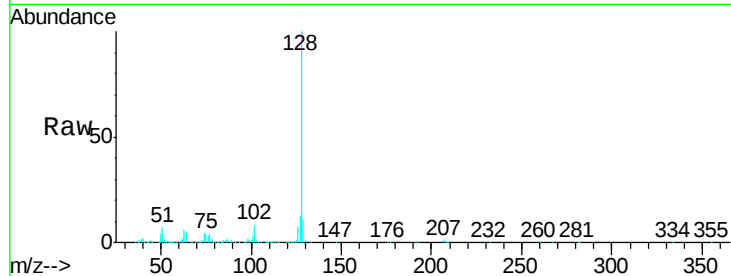




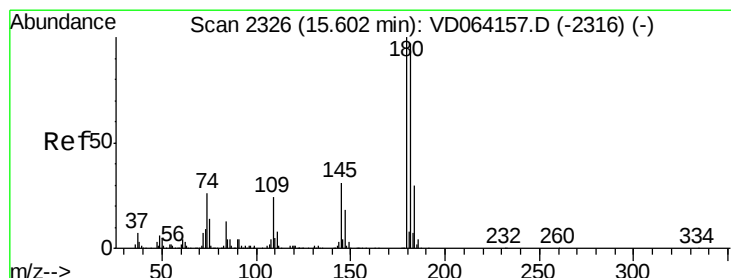
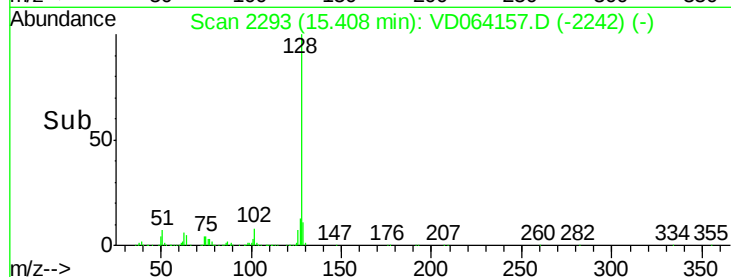
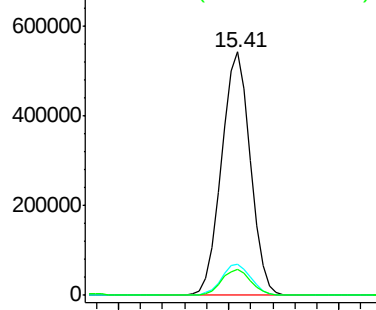
#95
Naphthalene
Concen: 53.856 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

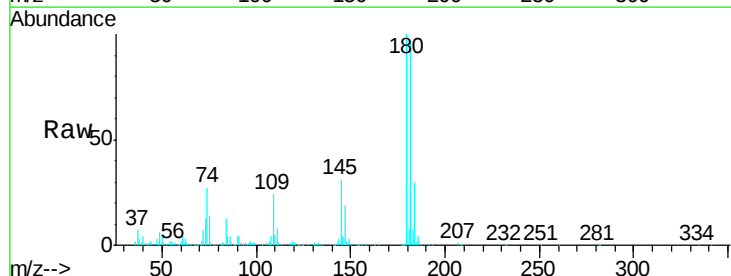


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.236 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064157.D
Acq: 08 Nov 2019 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	30.5	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

