

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064655.D
 Acq On : 27 Dec 2019 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 30 01:01:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	405731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	599624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	534642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269163	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184252	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.92	113	183752	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.34	98	717102	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.64	95	228776	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	145491	46.142	ug/l	99
3) Chloromethane	2.21	50	223362	50.651	ug/l	98
4) Vinyl Chloride	2.35	62	266988	49.656	ug/l	99
5) Bromomethane	2.77	94	187356	47.924	ug/l	99
6) Chloroethane	2.93	64	185778	51.566	ug/l	99
7) Trichlorofluoromethane	3.27	101	448342	49.523	ug/l	97
8) Diethyl Ether	3.71	74	90509	50.345	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	180328	48.096	ug/l	98
10) Methyl Iodide	4.29	142	213577	53.031	ug/l	99
11) Tert butyl alcohol	5.26	59	53768	262.233	ug/l	100
12) 1,1-Dichloroethene	4.06	96	172975	48.458	ug/l	96
13) Acrolein	3.93	56	69992	244.939	ug/l	100
14) Allyl chloride	4.71	41	278257	49.998	ug/l	98
15) Acrylonitrile	5.43	53	194523	259.766	ug/l	99
16) Acetone	4.17	43	160676	209.862	ug/l	100
17) Carbon Disulfide	4.40	76	547614	47.445	ug/l	99
18) Methyl Acetate	4.72	43	100415	49.854	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	413912	52.205	ug/l	92
20) Methylene Chloride	4.96	84	197730	54.477	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	202533	49.821	ug/l	100
22) Diisopropyl ether	6.37	45	579896	52.240	ug/l	98
23) Vinyl Acetate	6.31	43	1680486	266.872	ug/l	99
24) 1,1-Dichloroethane	6.27	63	344236	51.655	ug/l	98
25) 2-Butanone	7.23	43	239962	244.007	ug/l	96
26) 2,2-Dichloropropane	7.21	77	287071	46.332	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	222946	50.817	ug/l	99
28) Bromochloromethane	7.55	49	135268	52.216	ug/l	96
29) Tetrahydrofuran	7.57	42	157876	258.151	ug/l	100
30) Chloroform	7.71	83	361708	51.733	ug/l	100
31) Cyclohexane	7.98	56	303914	45.559	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	330317	50.299	ug/l	100
36) 1,1-Dichloropropene	8.11	75	277757	48.127	ug/l	99
37) Ethyl Acetate	7.30	43	113120	49.892	ug/l	97
38) Carbon Tetrachloride	8.10	117	302286	49.120	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	329675	47.163	ug/l	92
40) Benzene	8.36	78	785608	49.863	ug/l	98
41) Methacrylonitrile	7.54	41	74847	56.897	ug/l	94
42) 1,2-Dichloroethane	8.43	62	226934	49.844	ug/l	100
43) Isopropyl Acetate	8.46	43	227527	50.418	ug/l	100
44) Trichloroethene	9.11	130	227044	49.055	ug/l	96
45) 1,2-Dichloropropane	9.39	63	193495	51.437	ug/l	95
46) Dibromomethane	9.48	93	107611	51.309	ug/l	99
47) Bromodichloromethane	9.67	83	283028	50.714	ug/l	99
48) Methyl methacrylate	9.46	41	106668	50.199	ug/l	94
49) 1,4-Dioxane	9.47	88	24589	1016.772	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	568136	254.701	ug/l	99
52) Toluene	10.40	92	524518	50.744	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	263616	50.665	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	310424	50.597	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	144494	51.122	ug/l	95
56) Ethyl methacrylate	10.66	69	185177	52.459	ug/l	98
57) 1,3-Dichloropropane	10.95	76	245221	50.388	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	315698	234.743	ug/l	100
59) 2-Hexanone	10.99	43	391278	258.447	ug/l	100
60) Dibromochloromethane	11.14	129	196753	50.338	ug/l	100
61) 1,2-Dibromoethane	11.25	107	140446	50.379	ug/l	99
64) Tetrachloroethene	10.88	164	199138	48.550	ug/l	97
65) Chlorobenzene	11.67	112	553537	49.884	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	211555	50.573	ug/l	100
67) Ethyl Benzene	11.75	91	992691	49.288	ug/l	96
68) m/p-Xylenes	11.86	106	770922	99.168	ug/l	98
69) o-Xylene	12.18	106	355971	50.695	ug/l	99
70) Styrene	12.20	104	628574	50.999	ug/l	99
71) Bromoform	12.36	173	119051	49.905	ug/l #	99
73) Isopropylbenzene	12.48	105	953315	49.562	ug/l	99
74) N-amyl acetate	12.29	43	212305	51.634	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	149806	49.578	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	198021	93.165	ug/l #	100
77) Bromobenzene	12.77	156	232659	49.226	ug/l	99
78) n-propylbenzene	12.83	91	1104617	49.225	ug/l	99
79) 2-Chlorotoluene	12.91	91	609055	49.407	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	779455	49.331	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	49349	48.559	ug/l	97
82) 4-Chlorotoluene	13.01	91	647628	49.367	ug/l	100
83) tert-Butylbenzene	13.23	119	675556	49.243	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	786018	49.949	ug/l	98
85) sec-Butylbenzene	13.41	105	922361	49.041	ug/l	99
86) p-Isopropyltoluene	13.53	119	888091	49.383	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	450788	50.032	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	441762	49.910	ug/l	99
89) n-Butylbenzene	13.85	91	801057	49.463	ug/l	99
90) Hexachloroethane	14.12	117	166969	48.604	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	383893	49.968	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24663	50.349	ug/l	95

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QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

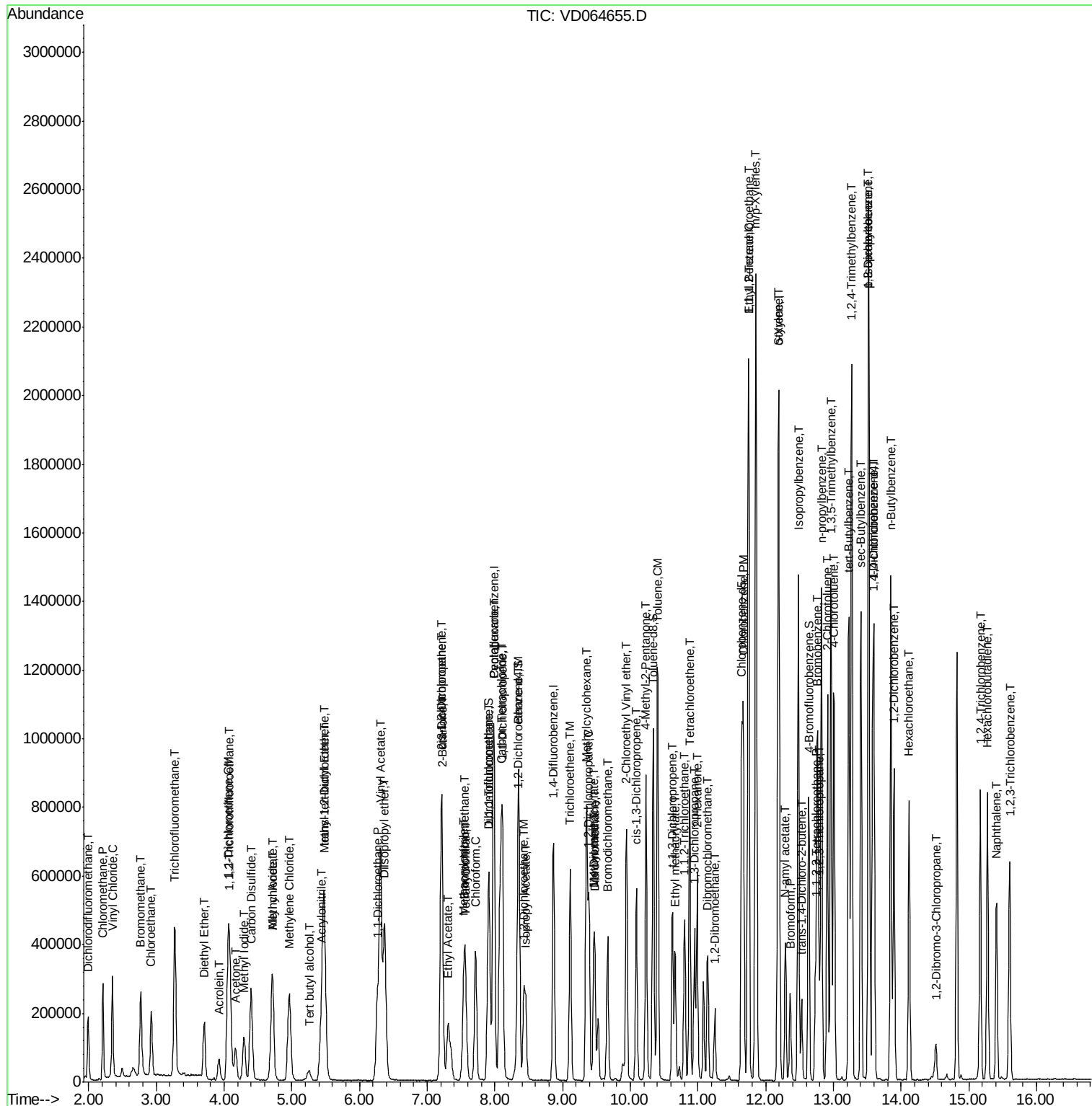
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	279324	49.377	ug/l	99
94) Hexachlorobutadiene	15.28	225	168104	47.223	ug/l	99
95) Naphthalene	15.41	128	454671	50.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	236949	49.064	ug/l	100

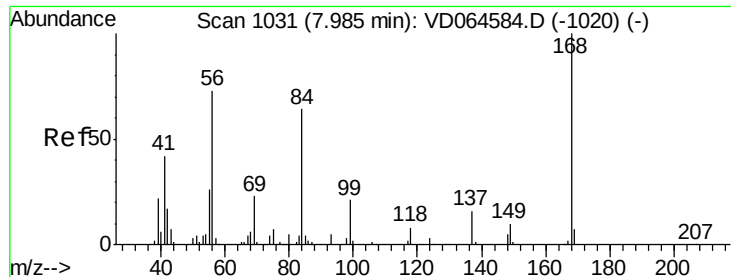
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

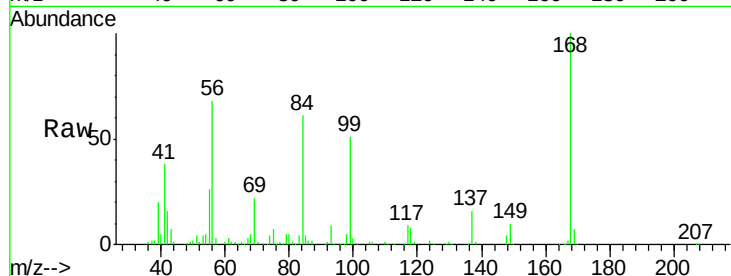
VSTDCCC050EC

Tgt Ion:168 Resp: 405731

Ion Ratio Lower Upper

168 100

99 50.9 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

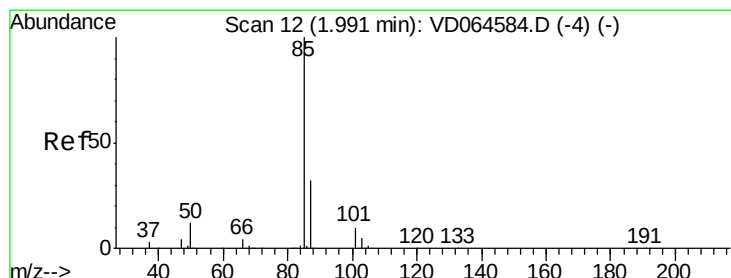
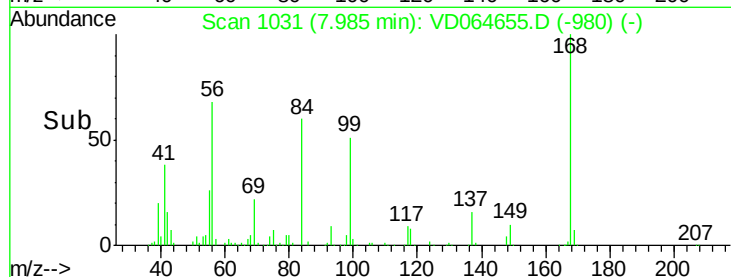
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.142 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064655.D

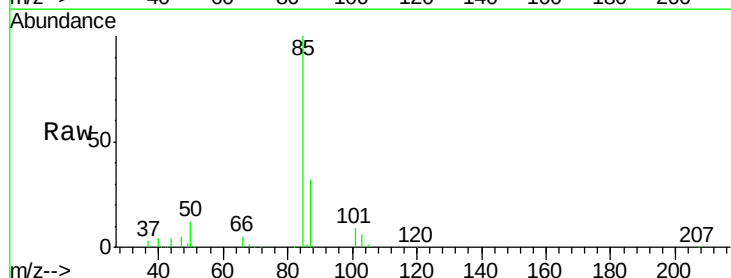
Acq: 27 Dec 2019 20:36

Tgt Ion: 85 Resp: 145491

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

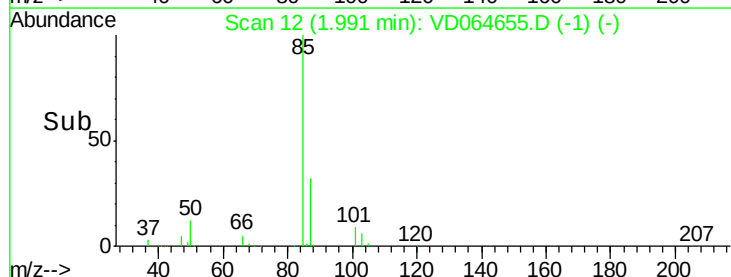
40000

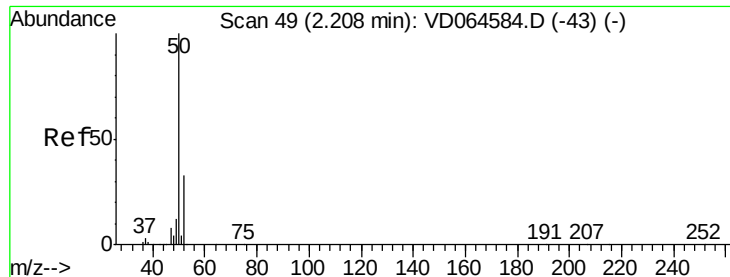
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 50.651 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

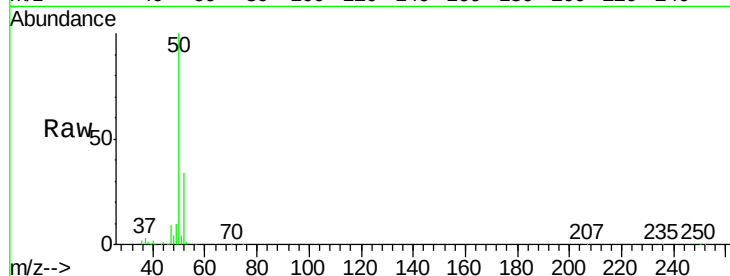
VSTDCCC050EC

Tgt Ion: 50 Resp: 223362

Ion Ratio Lower Upper

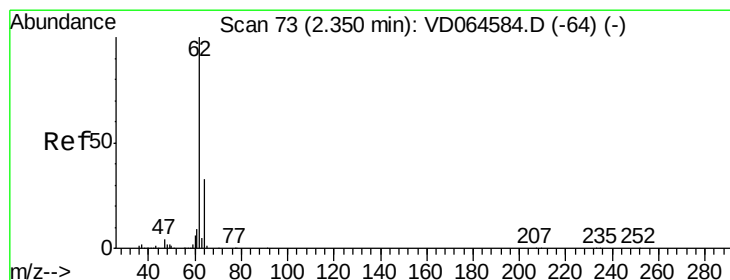
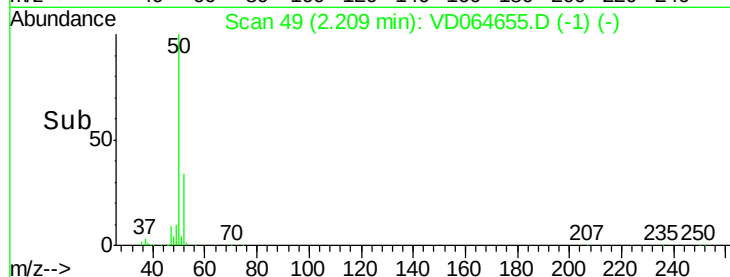
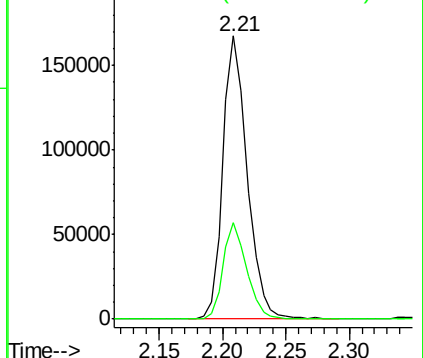
50 100

52 34.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.656 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064655.D

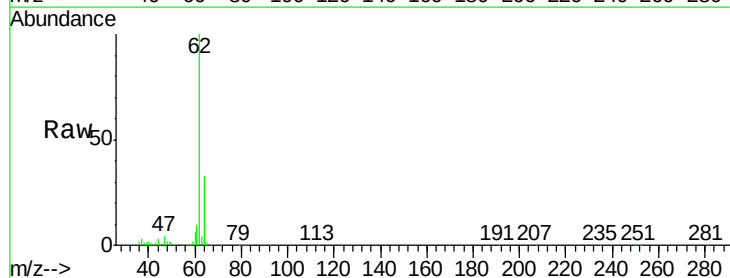
Acq: 27 Dec 2019 20:36

Tgt Ion: 62 Resp: 266988

Ion Ratio Lower Upper

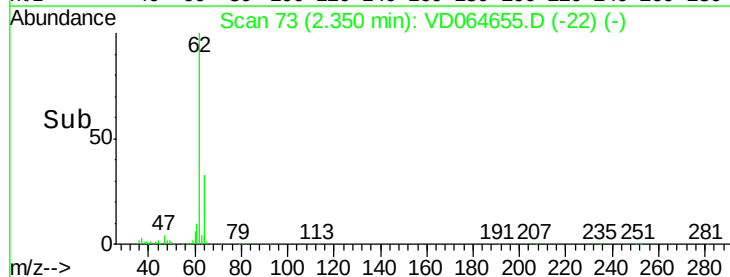
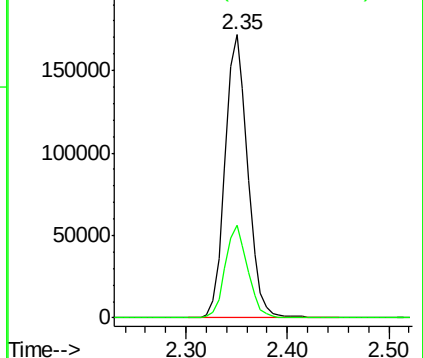
62 100

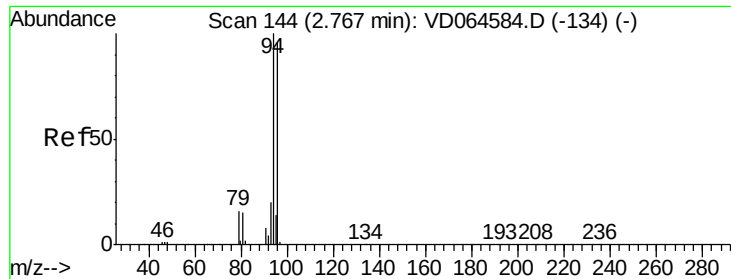
64 32.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.924 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

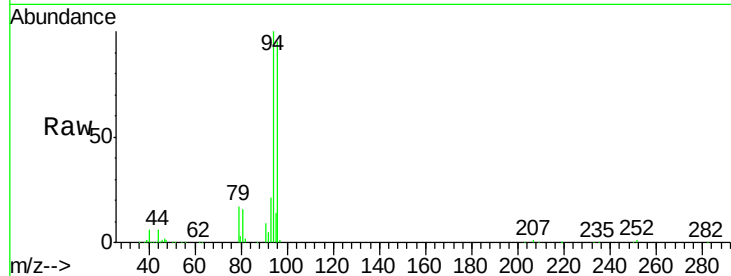
VSTDCCC050EC

Tgt Ion: 94 Resp: 187356

Ion Ratio Lower Upper

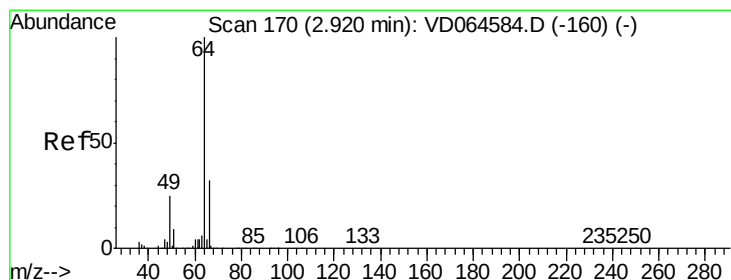
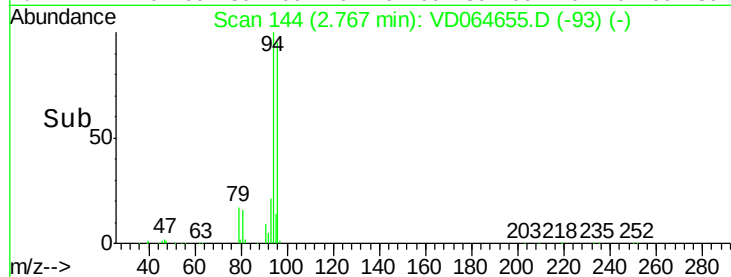
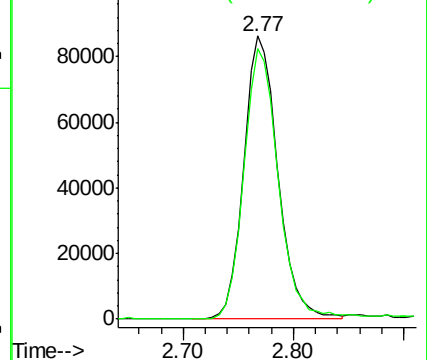
94 100

96 95.2 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.566 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064655.D

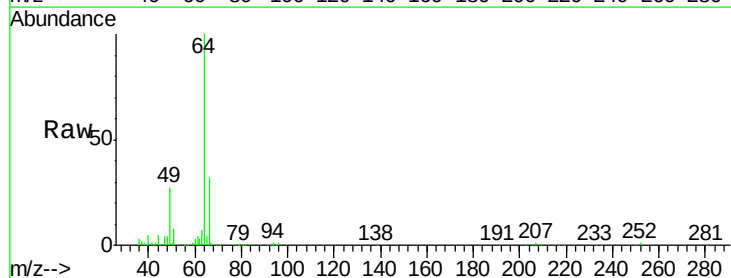
Acq: 27 Dec 2019 20:36

Tgt Ion: 64 Resp: 185778

Ion Ratio Lower Upper

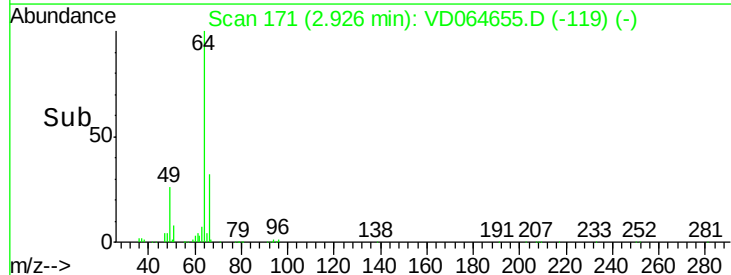
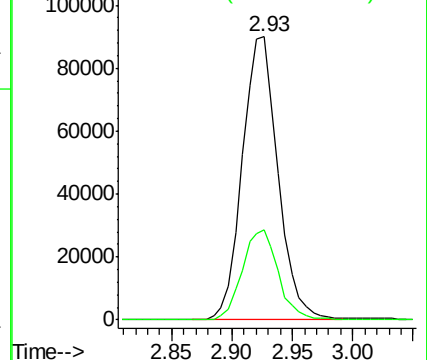
64 100

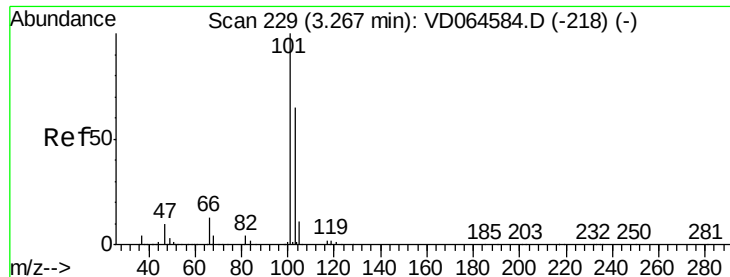
66 31.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 49.523 ug/l

RT: 3.27 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD064655.D

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Instrument :

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ClientSampleId :

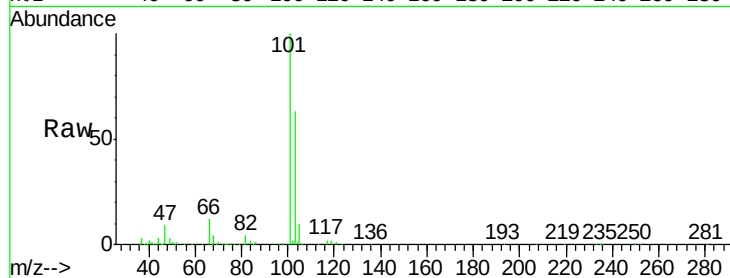
VSTDCCC050EC

Tgt Ion:101 Resp: 448342

Ion Ratio Lower Upper

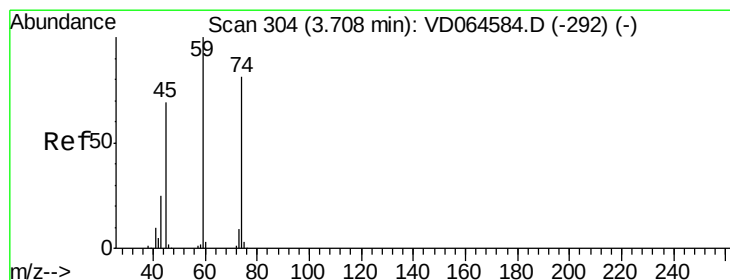
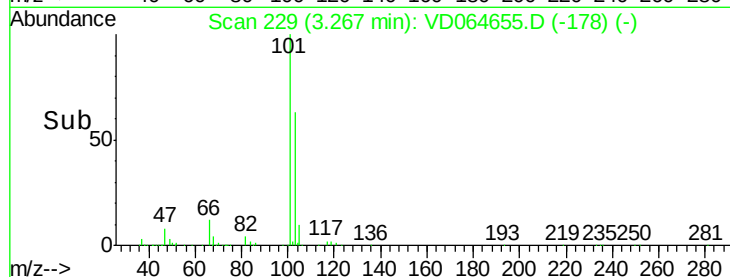
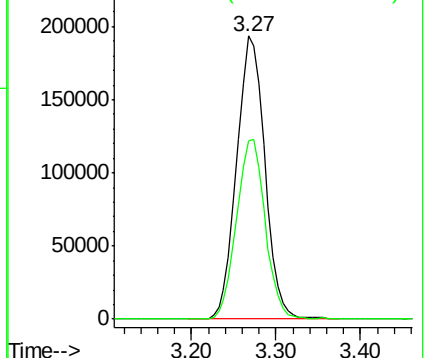
101 100

103 63.2 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.345 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD064655.D

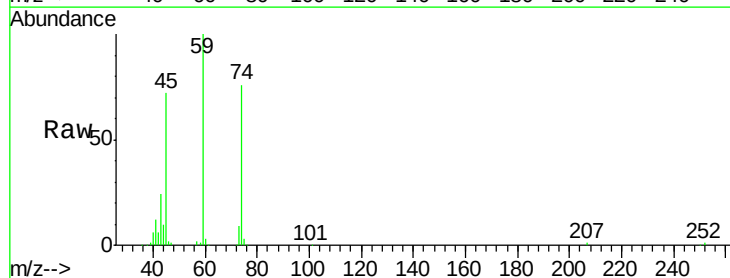
Acq: 27 Dec 2019 20:36

Tgt Ion: 74 Resp: 90509

Ion Ratio Lower Upper

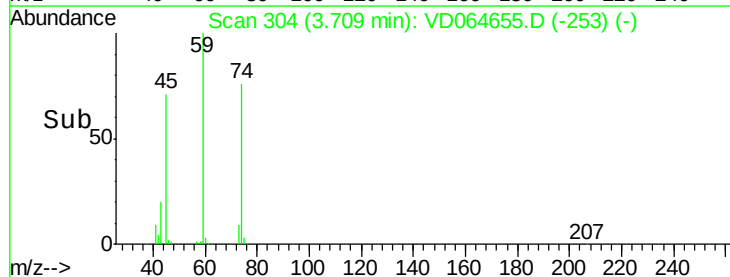
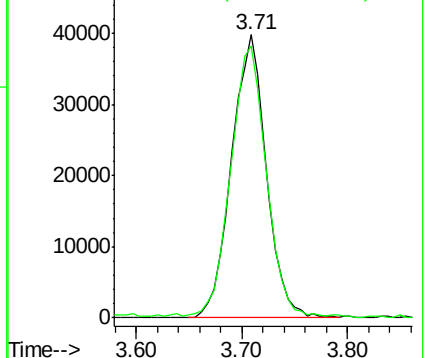
74 100

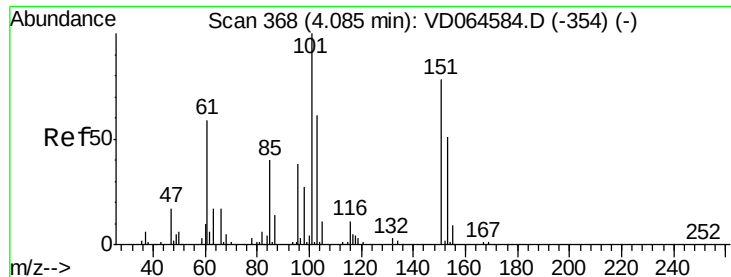
45 97.3 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.096 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

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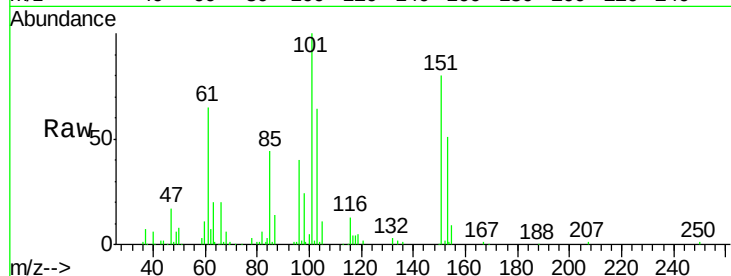
Tgt Ion:101 Resp: 180328

Ion Ratio Lower Upper

101 100

85 43.7 35.2 52.8

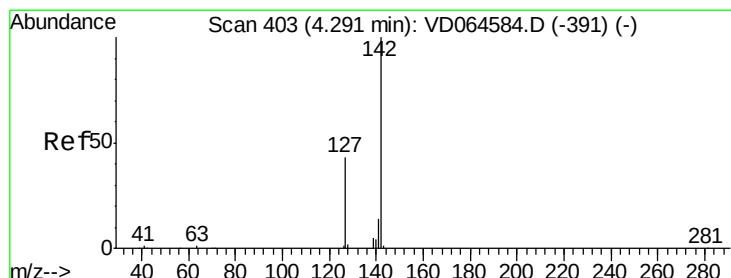
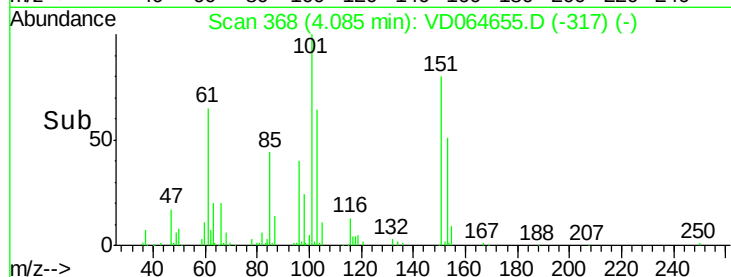
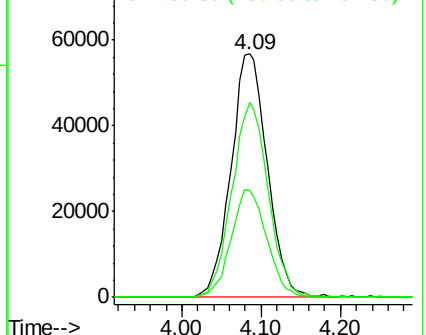
151 79.8 66.2 99.4



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: 53.031 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

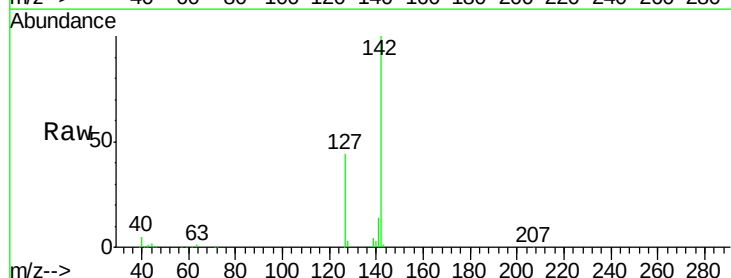
Tgt Ion:142 Resp: 213577

Ion Ratio Lower Upper

142 100

127 44.4 36.2 54.4

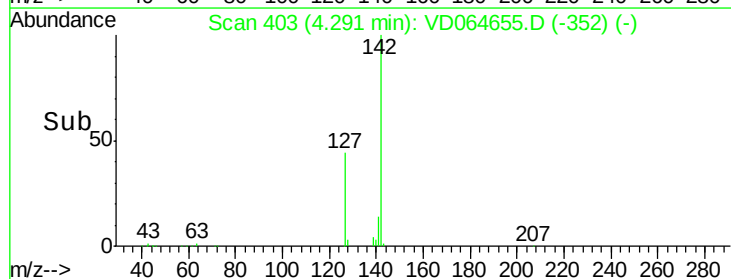
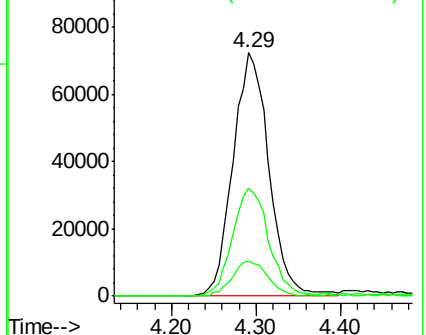
141 14.3 11.8 17.8

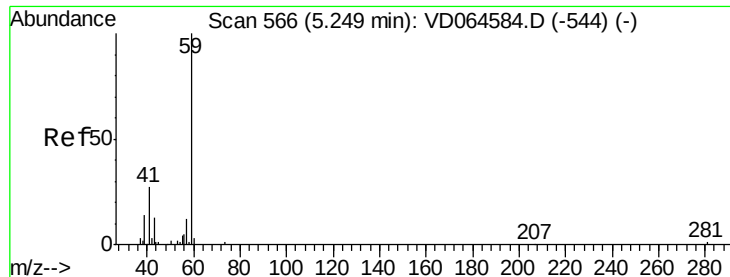


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



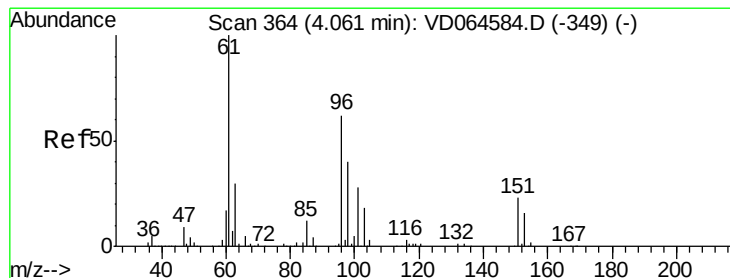
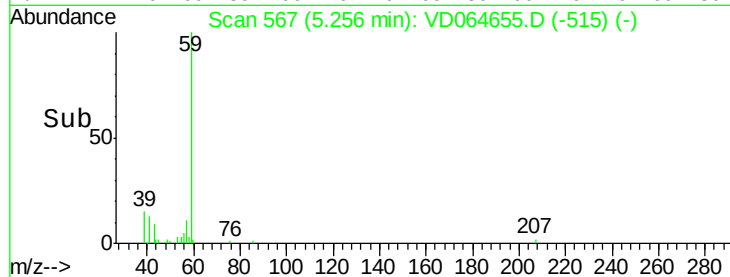
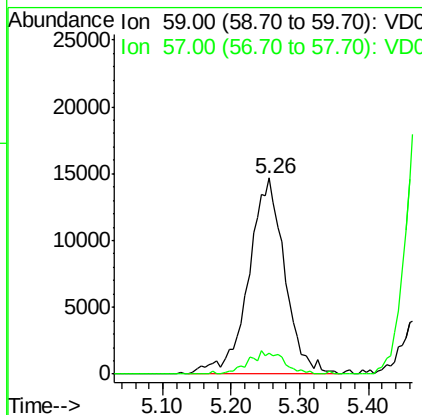
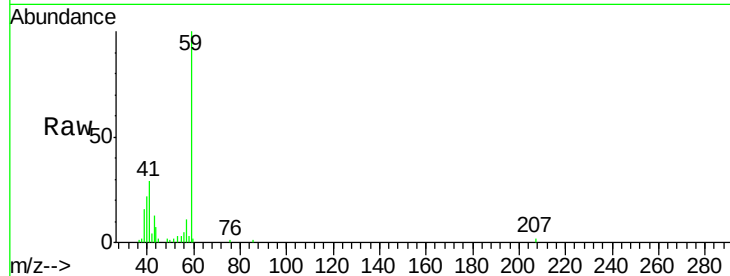


#11

Tert butyl alcohol
 Concen: 262.233 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

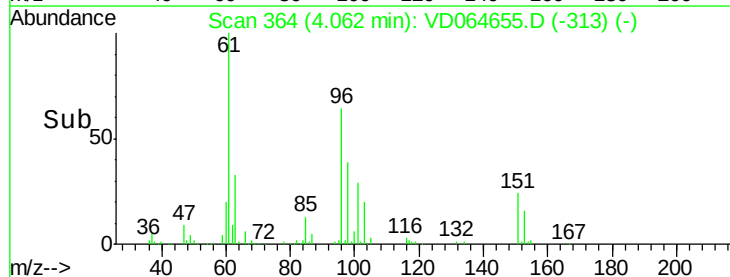
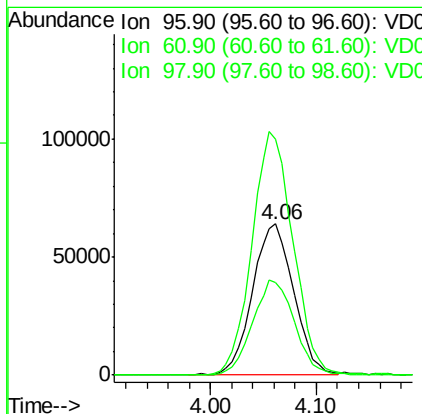
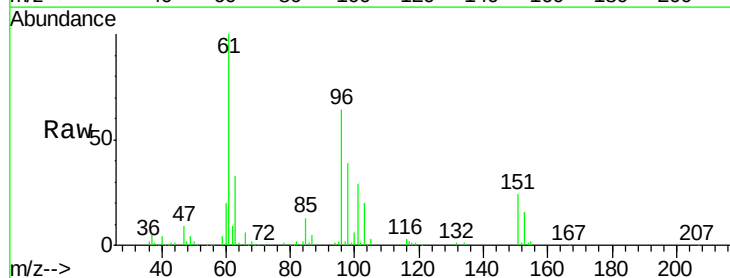
Tgt Ion: 59 Resp: 53768
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.3 13.9

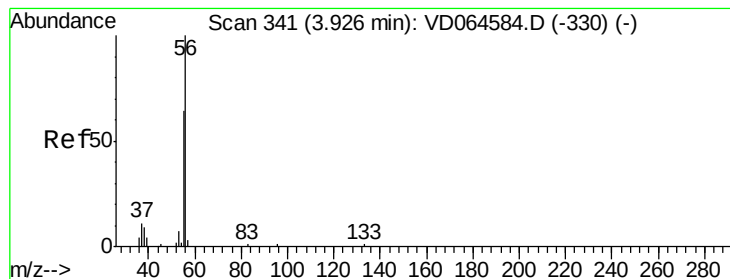


#12

1,1-Dichloroethene
 Concen: 48.458 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 96 Resp: 172975
 Ion Ratio Lower Upper
 96 100
 61 156.3 129.4 194.0
 98 61.5 51.4 77.0





#13

Acrolein

Concen: 244.939 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

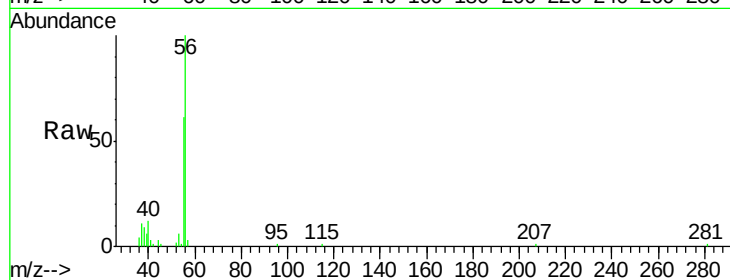
VSTDCCC050EC

Tgt Ion: 56 Resp: 69992

Ion Ratio Lower Upper

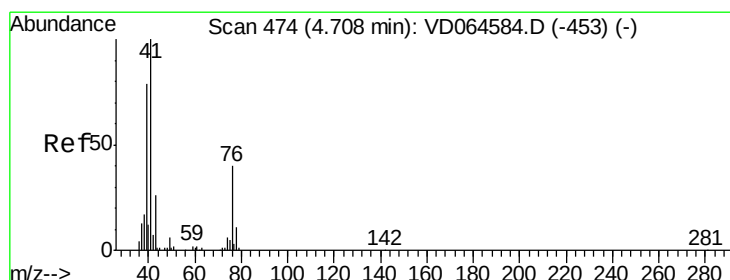
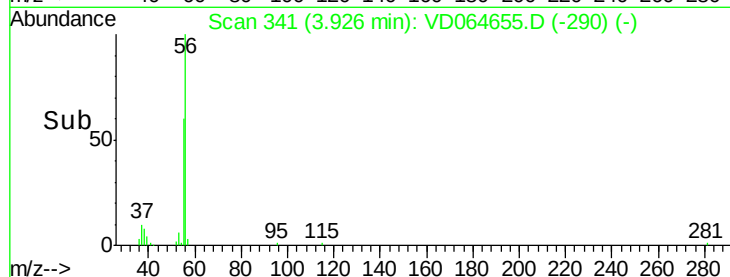
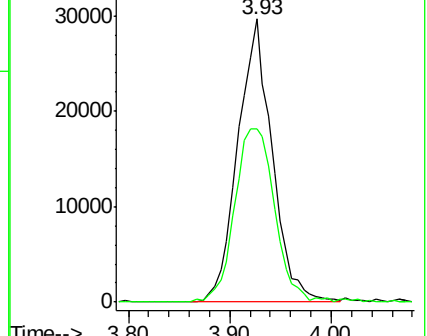
56 100

55 71.2 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.998 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

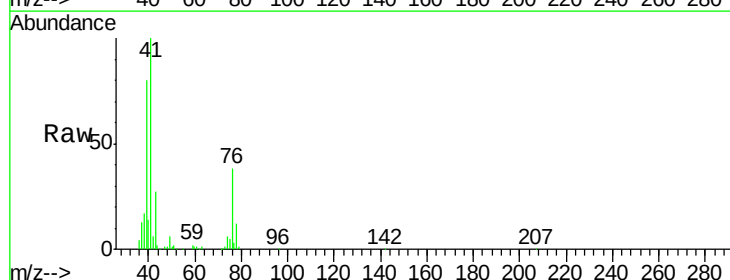
Tgt Ion: 41 Resp: 278257

Ion Ratio Lower Upper

41 100

39 79.3 62.3 93.5

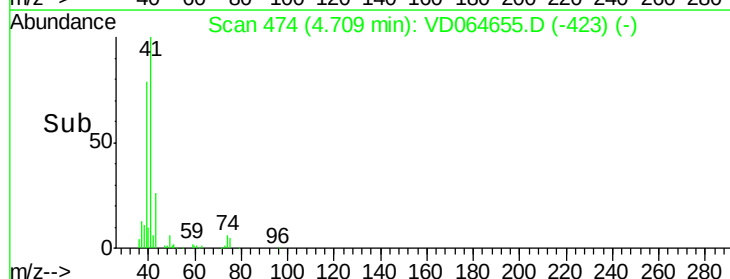
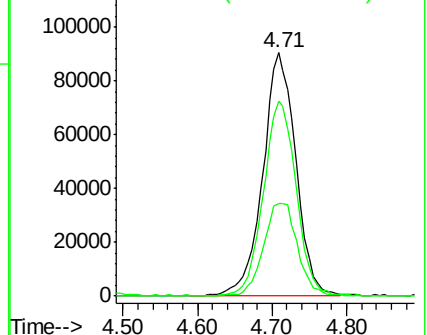
76 39.3 29.7 44.5

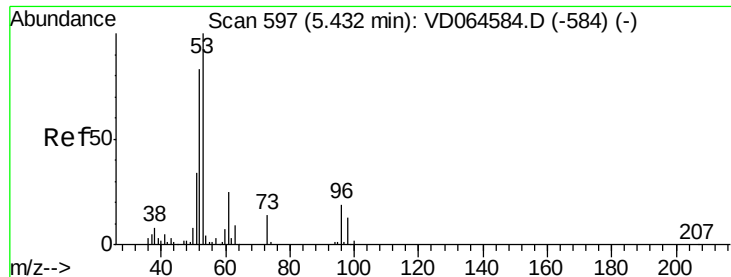


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 259.766 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

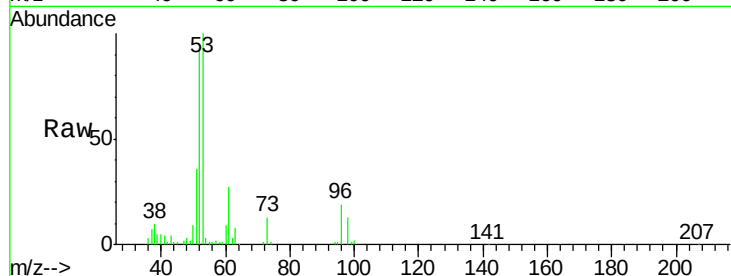
Tgt Ion: 53 Resp: 194523

Ion Ratio Lower Upper

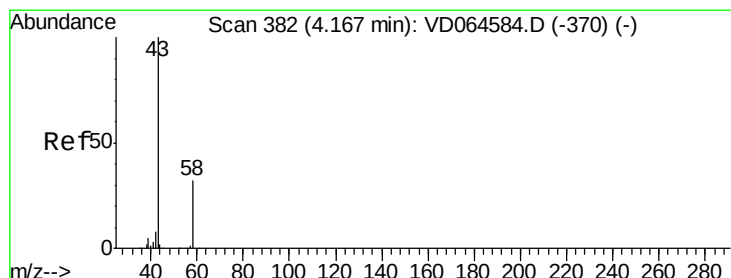
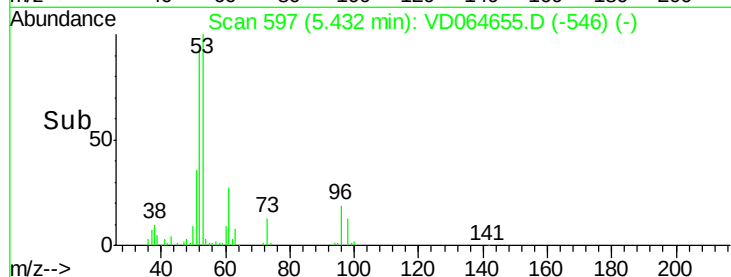
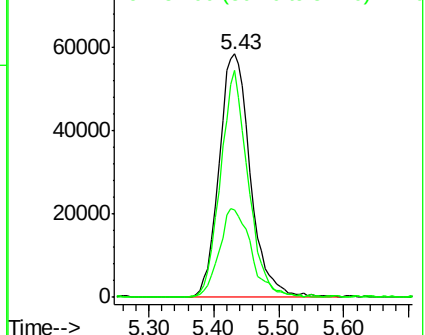
53 100

52 82.0 66.2 99.2

51 37.8 30.1 45.1



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: 209.862 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064655.D

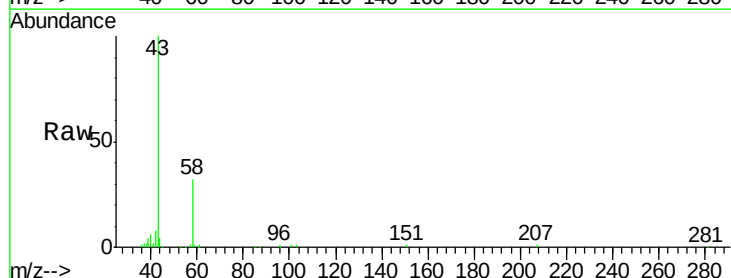
Acq: 27 Dec 2019 20:36

Tgt Ion: 43 Resp: 160676

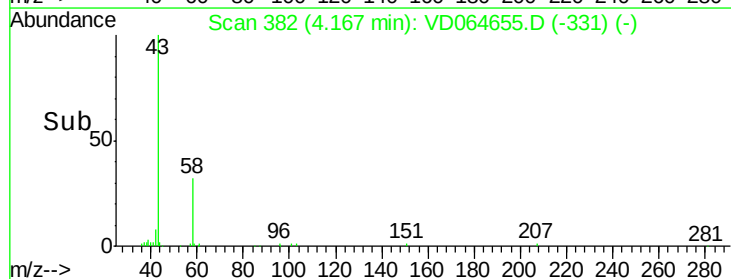
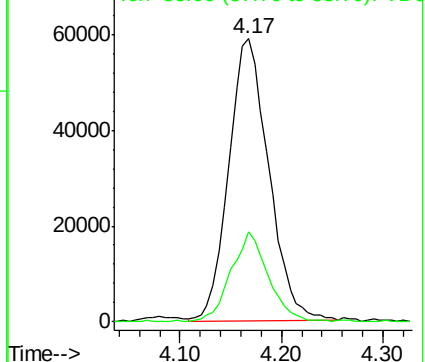
Ion Ratio Lower Upper

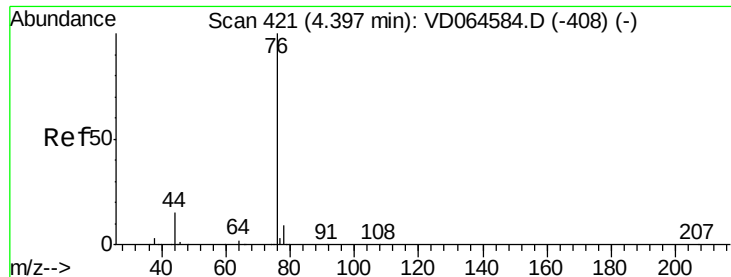
43 100

58 32.0 25.8 38.6



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

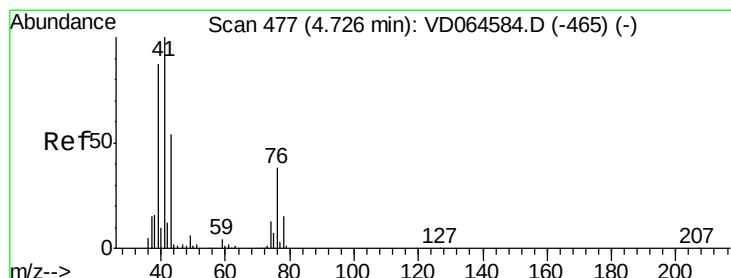
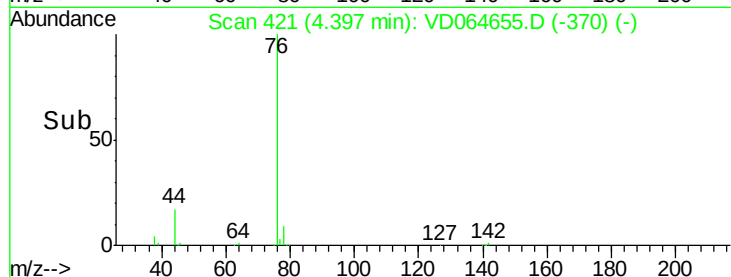
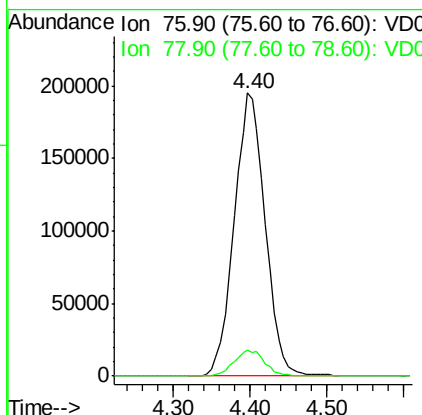
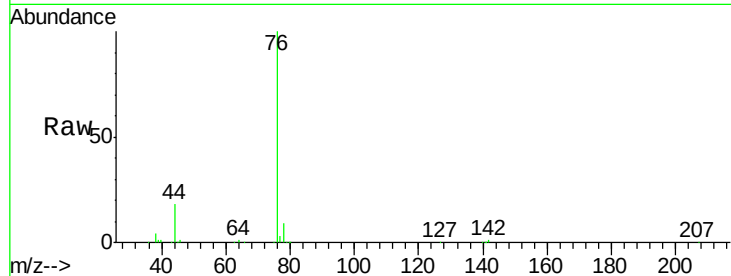




#17
Carbon Disulfide
Concen: 47.445 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

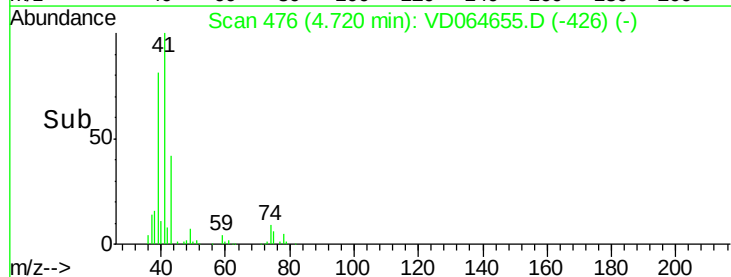
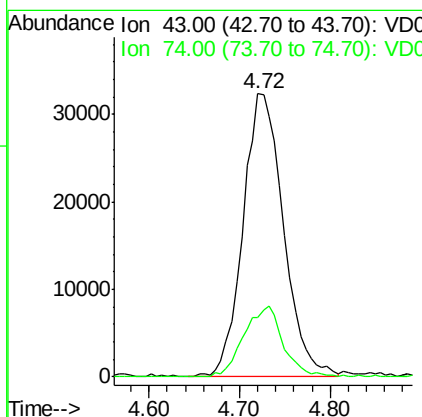
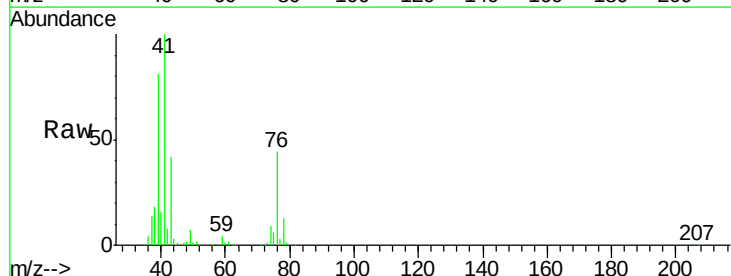
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

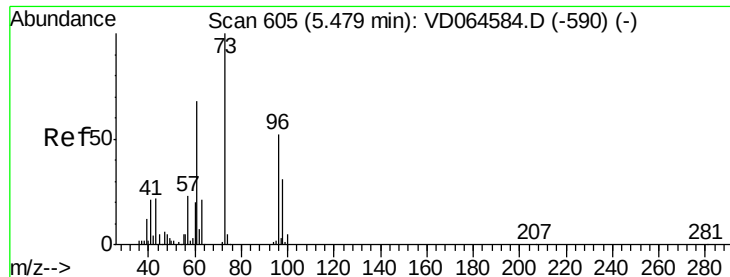
Tgt Ion: 76 Resp: 547614
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 49.854 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 43 Resp: 100415
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8

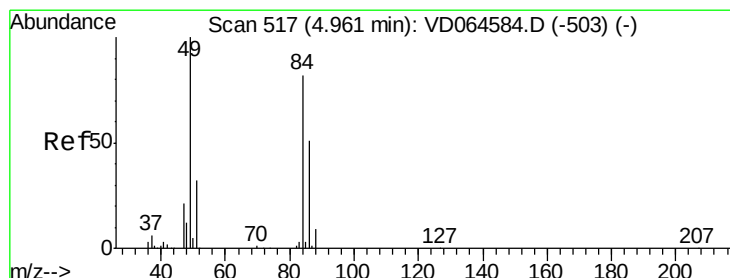
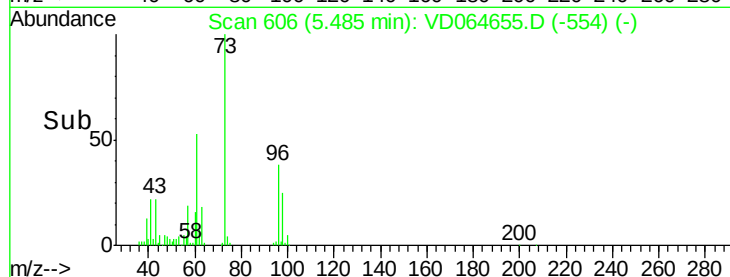
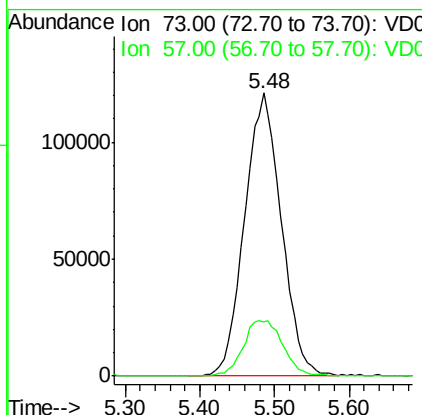
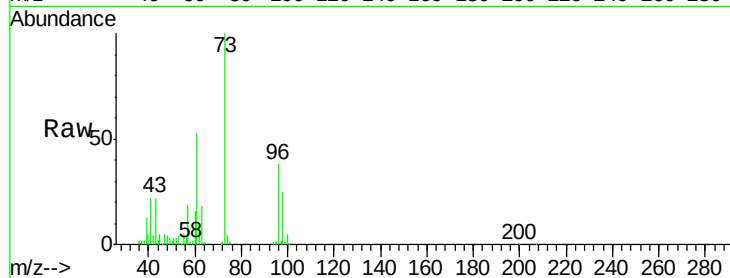




#19
Methyl tert-butyl Ether
Concen: 52.205 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

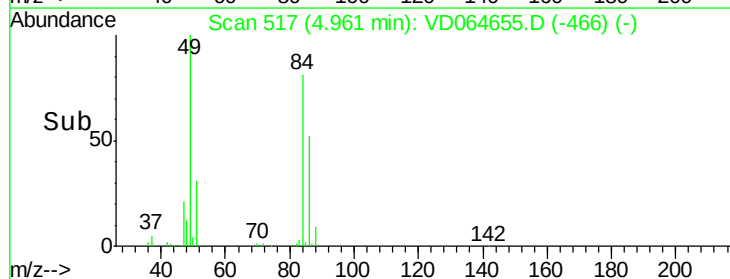
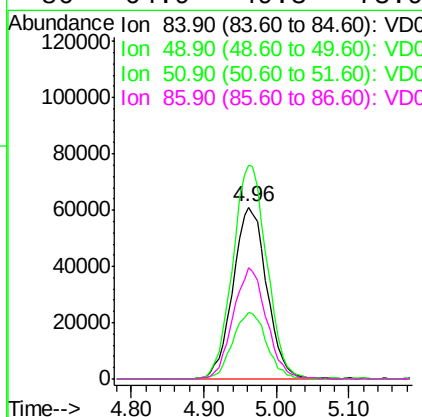
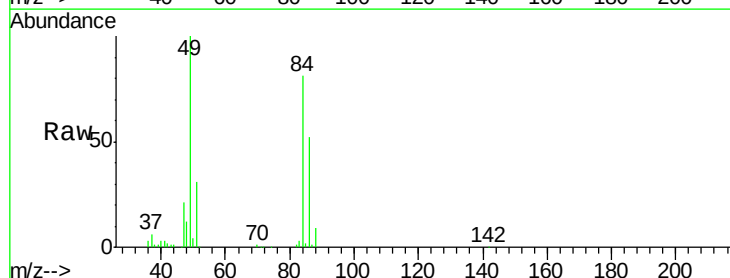
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

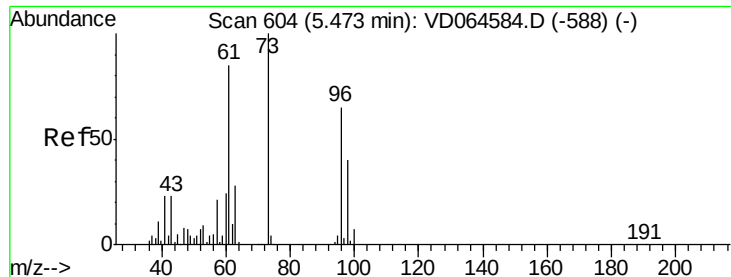
Tgt Ion: 73 Resp: 413912
Ion Ratio Lower Upper
73 100
57 19.3 18.6 27.8



#20
Methylene Chloride
Concen: 54.477 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 84 Resp: 197730
Ion Ratio Lower Upper
84 100
49 124.2 97.2 145.8
51 38.4 31.4 47.0
86 64.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.821 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

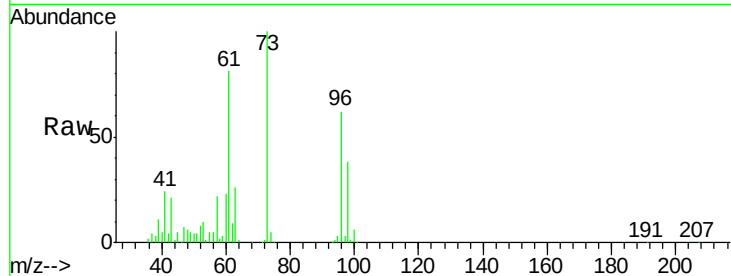
Tgt Ion: 96 Resp: 202533

Ion Ratio Lower Upper

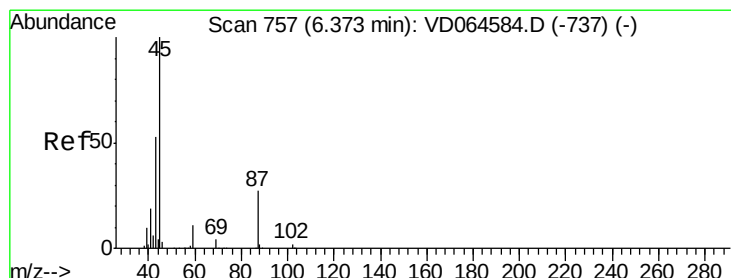
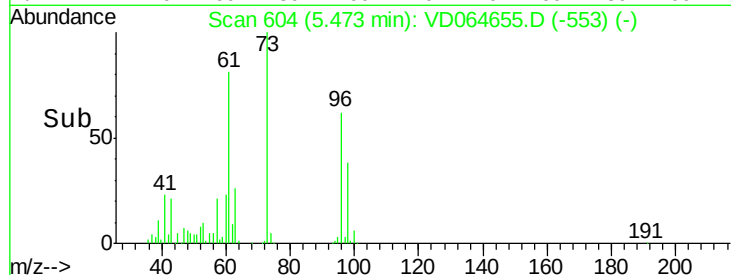
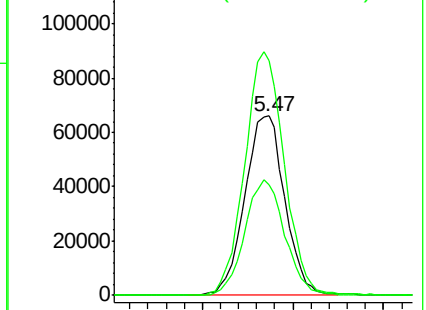
96 100

61 131.2 104.7 157.1

98 61.7 49.4 74.2



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: 52.240 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Tgt Ion: 45 Resp: 579896

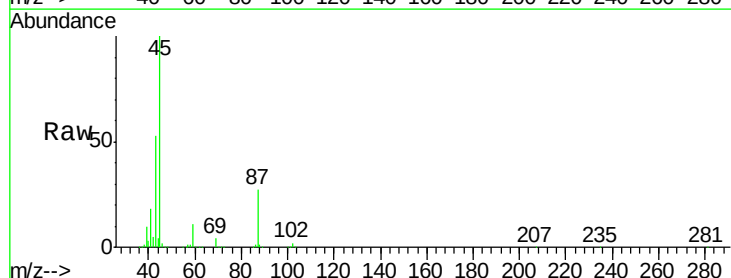
Ion Ratio Lower Upper

45 100

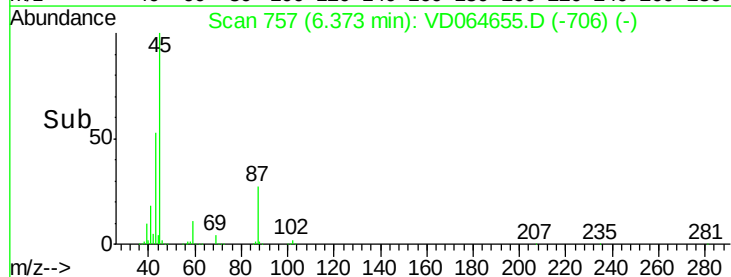
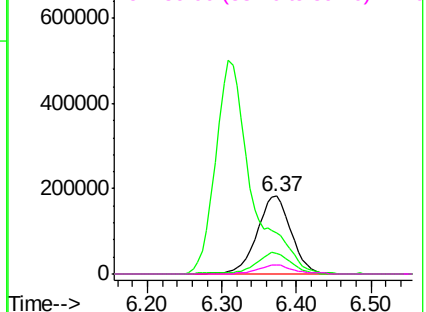
43 52.6 43.2 64.8

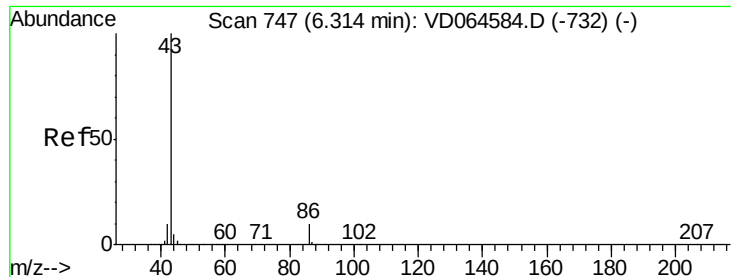
87 26.7 21.9 32.9

59 11.0 9.0 13.4



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: 266.872 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

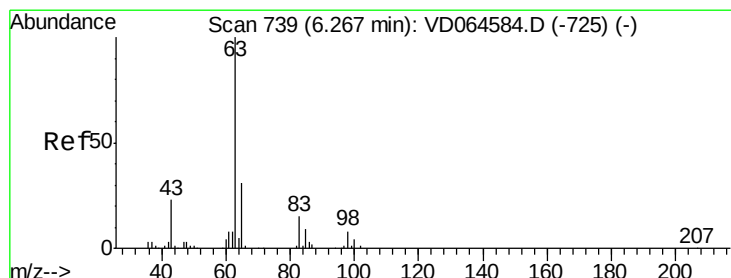
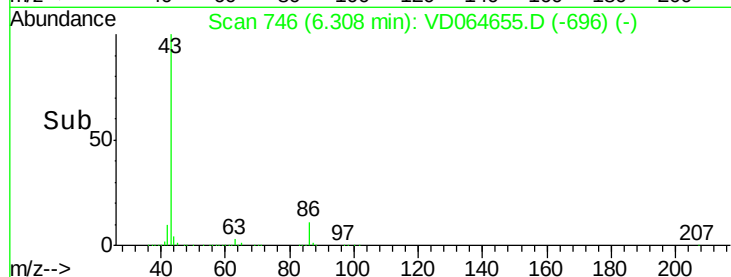
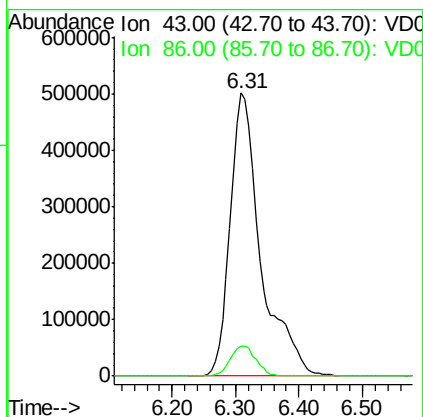
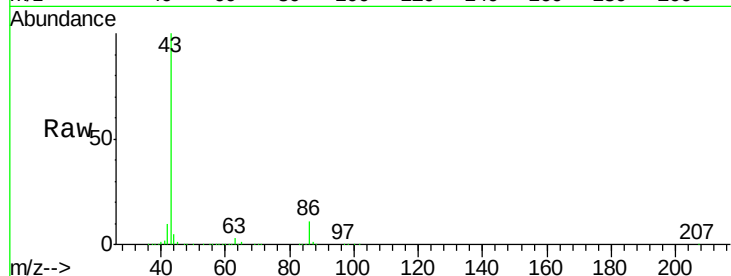
VSTDCCC050EC

Tgt Ion: 43 Resp: 1680486

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5



#24

1,1-Dichloroethane

Concen: 51.655 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

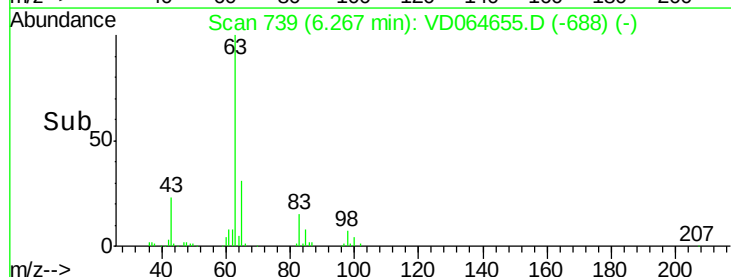
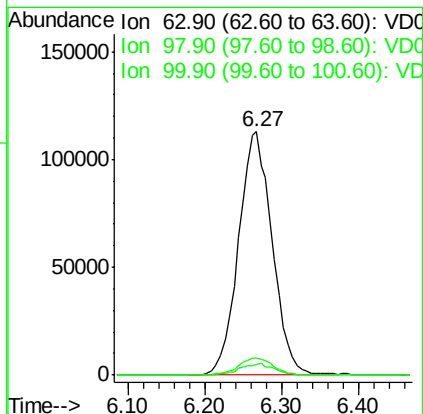
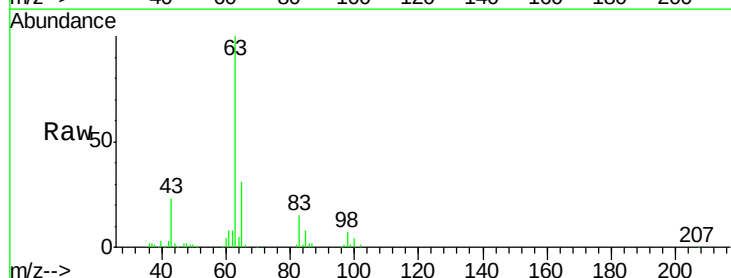
Tgt Ion: 63 Resp: 344236

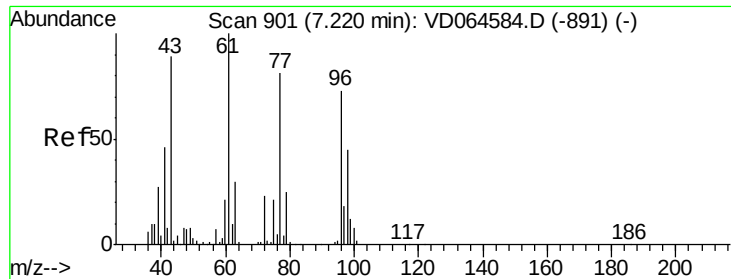
Ion Ratio Lower Upper

63 100

98 7.2 4.1 12.3

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 244.007 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

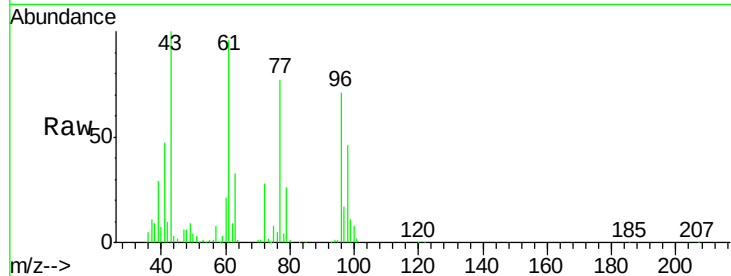
VSTDCCC050EC

Tgt Ion: 43 Resp: 239962

Ion Ratio Lower Upper

43 100

72 27.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

100000

80000

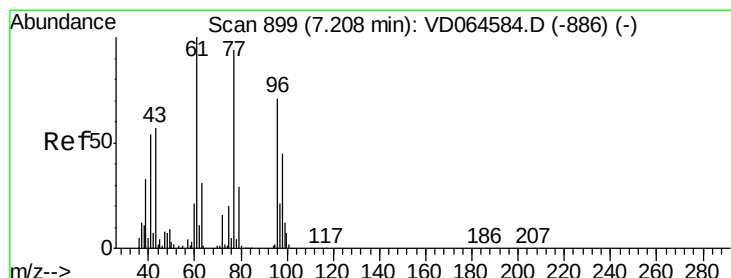
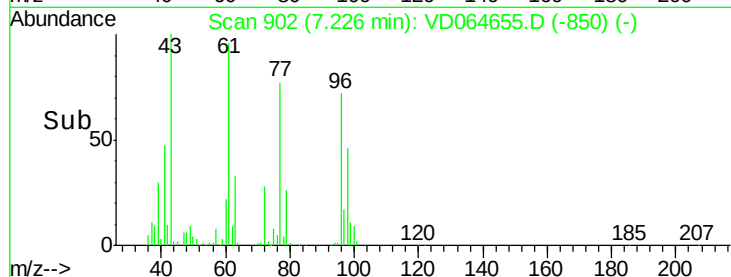
60000

40000

20000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 46.332 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064655.D

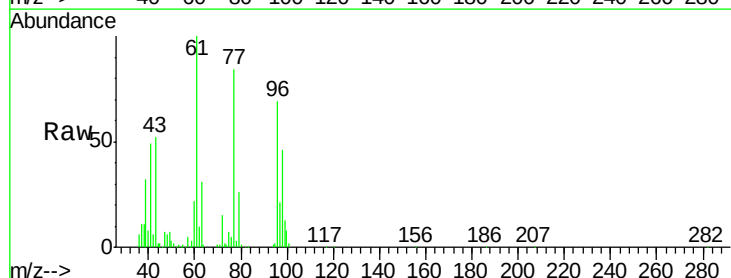
Acq: 27 Dec 2019 20:36

Tgt Ion: 77 Resp: 287071

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

100000

80000

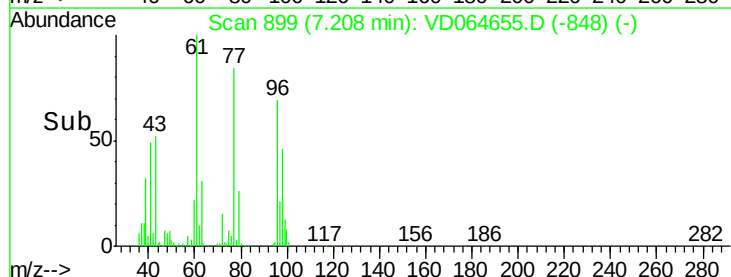
60000

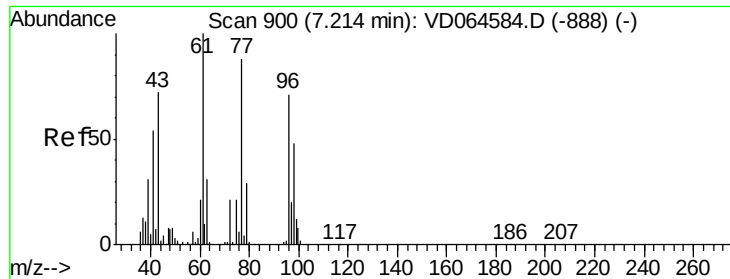
40000

20000

0

Time--> 7.10 7.20 7.30



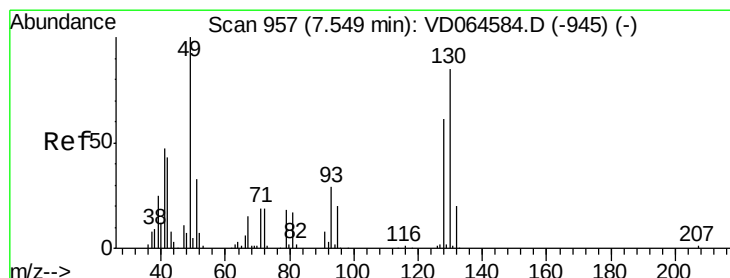
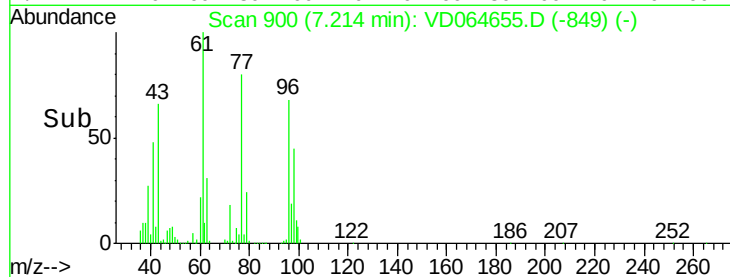
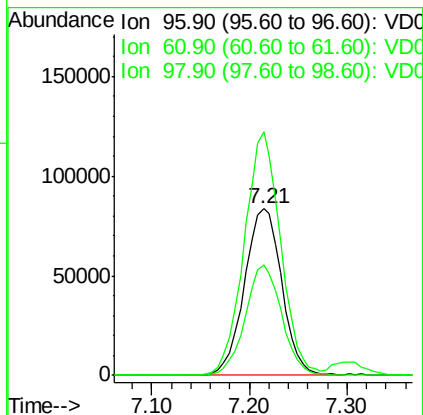
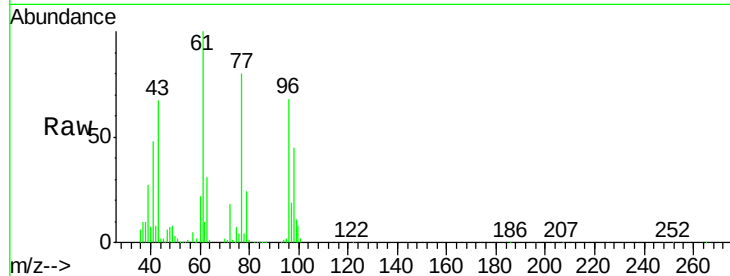


#27

cis-1,2-Dichloroethene
 Concen: 50.817 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

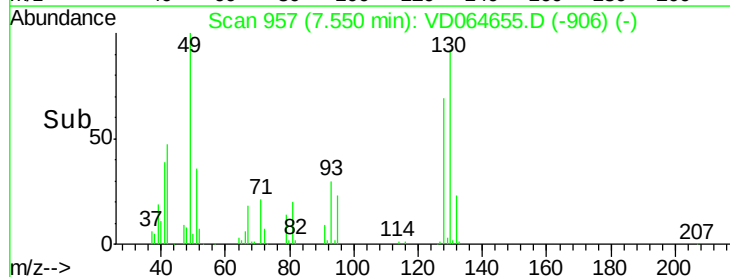
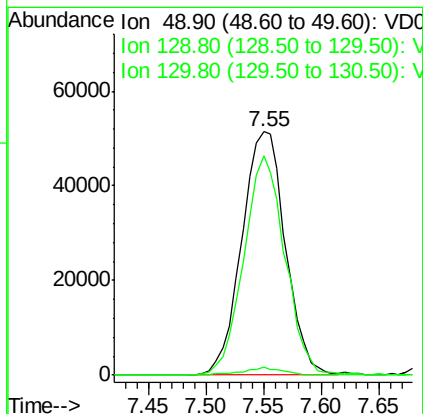
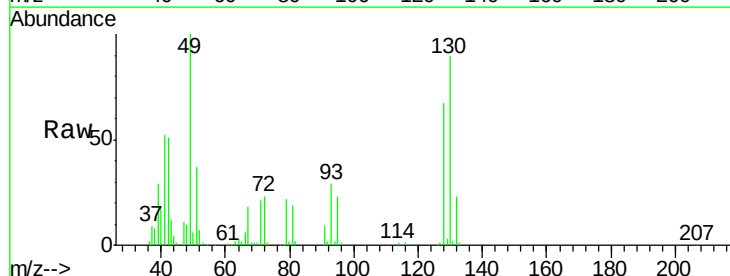
Tgt Ion: 96 Resp: 222946
 Ion Ratio Lower Upper
 96 100
 61 142.4 0.0 282.6
 98 64.5 0.0 130.8

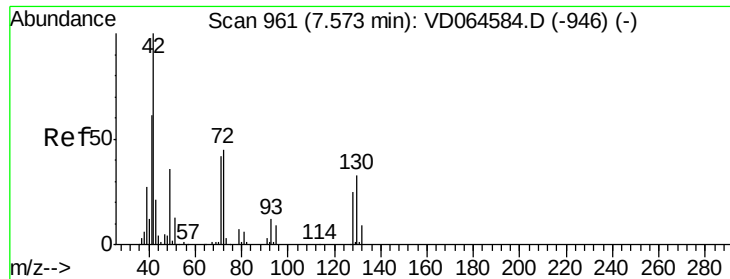


#28

Bromochloromethane
 Concen: 52.216 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 49 Resp: 135268
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.8
 130 85.2 65.0 97.6

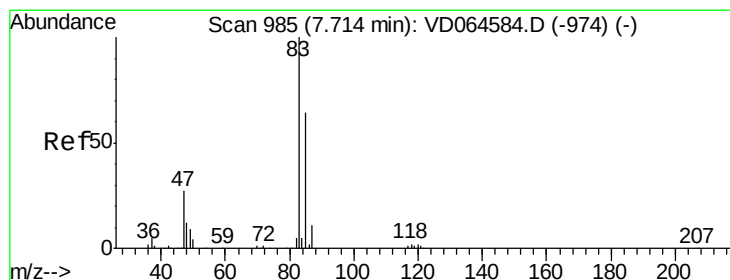
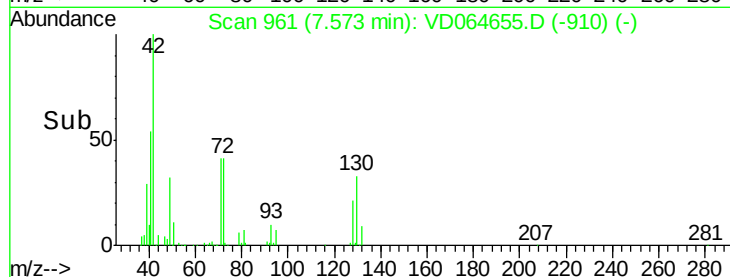
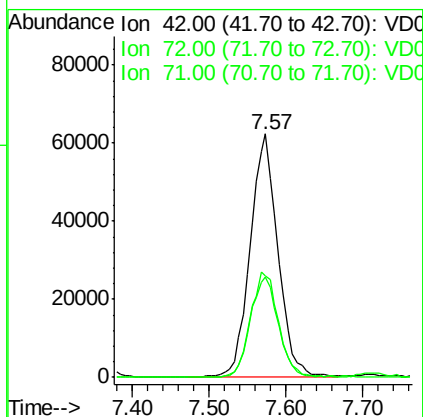
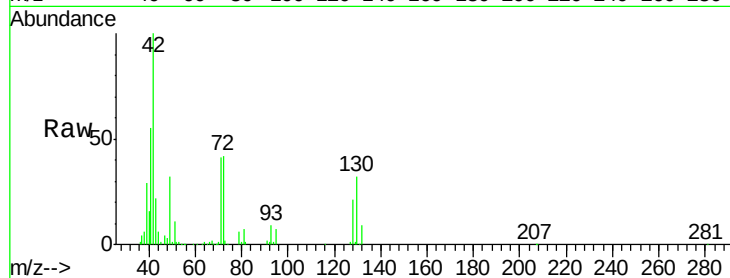




#29
Tetrahydrofuran
Concen: 258.151 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

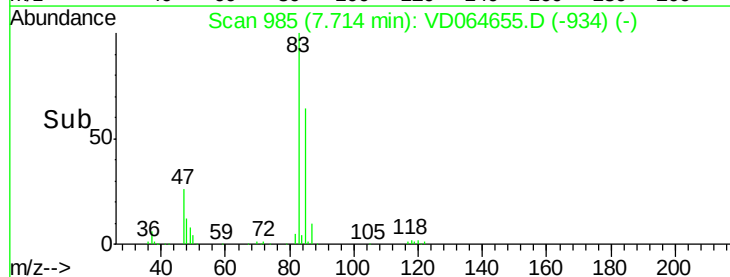
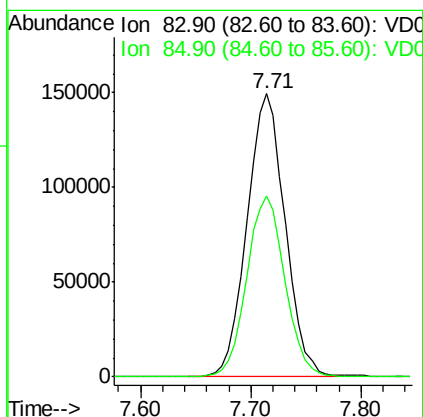
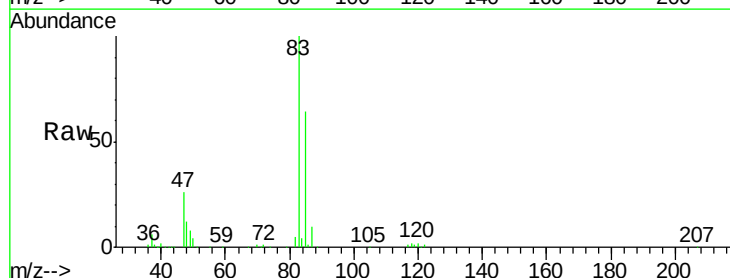
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

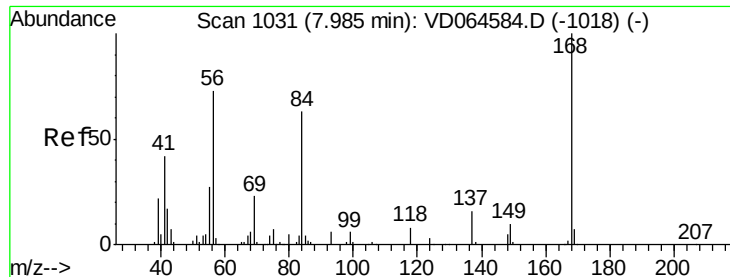
Tgt Ion: 42 Resp: 157876
Ion Ratio Lower Upper
42 100
72 43.6 35.0 52.4
71 41.3 32.9 49.3



#30
Chloroform
Concen: 51.733 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 83 Resp: 361708
Ion Ratio Lower Upper
83 100
85 63.8 51.1 76.7

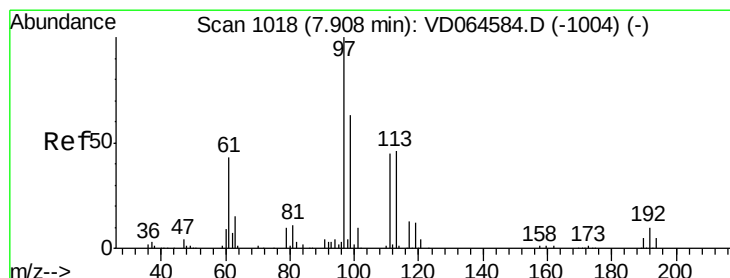
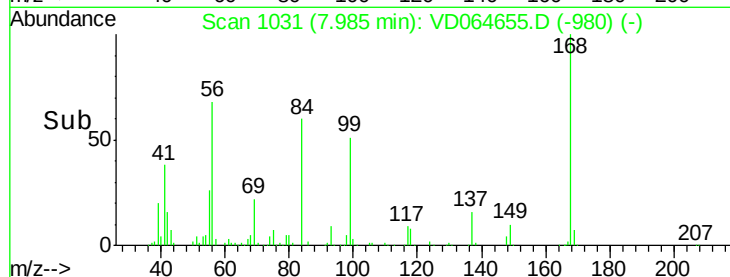
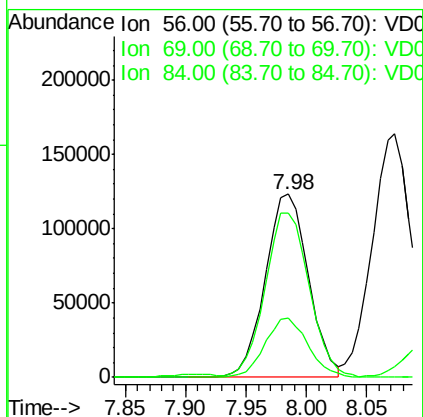
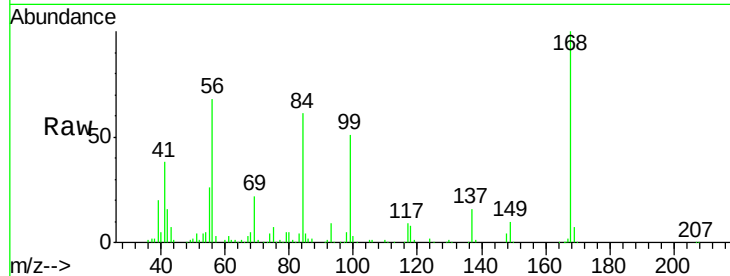




#31
Cyclohexane
Concen: 45.559 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

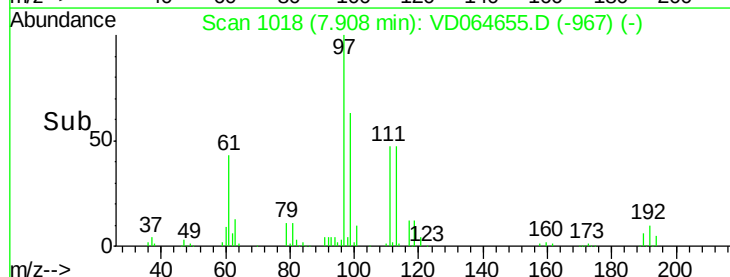
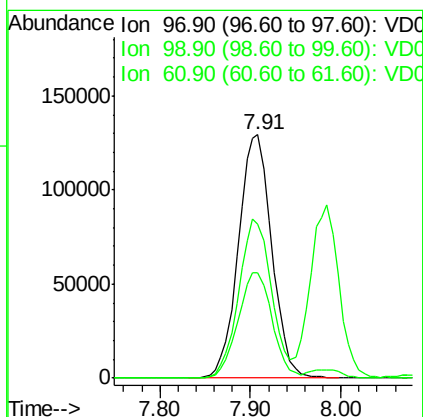
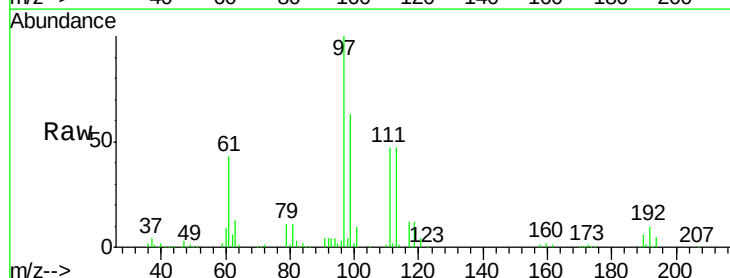
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

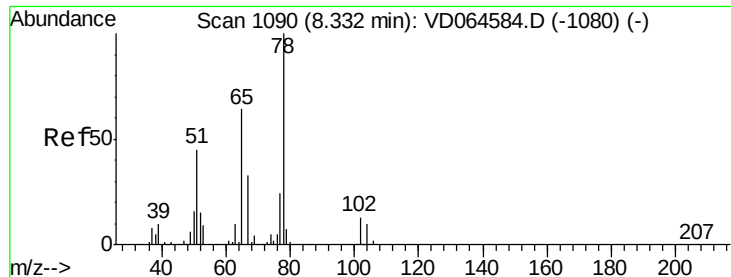
Tgt Ion: 56 Resp: 303914
Ion Ratio Lower Upper
56 100
69 32.6 24.7 37.1
84 87.8 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 50.299 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 97 Resp: 330317
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.6
61 44.4 35.4 53.0

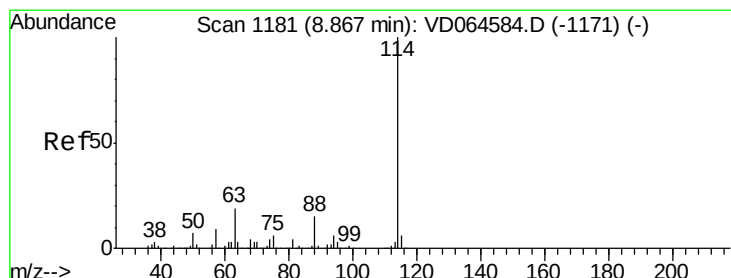
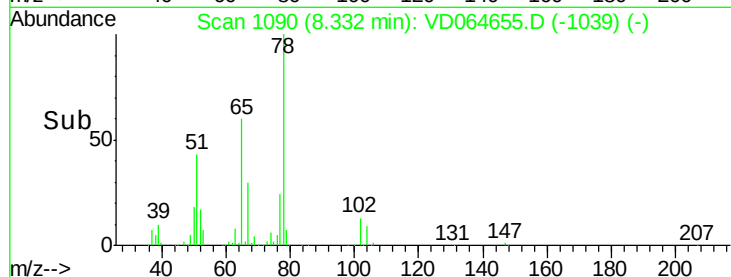
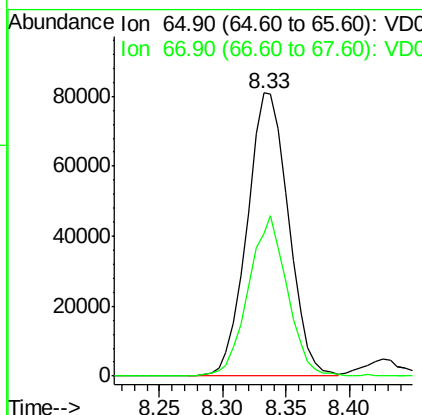
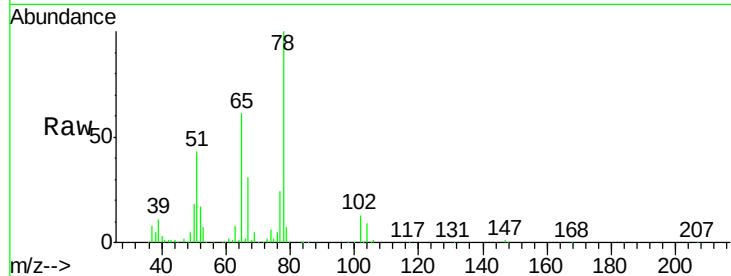




#33
 1,2-Dichloroethane-d4
 Concen: 51.500 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

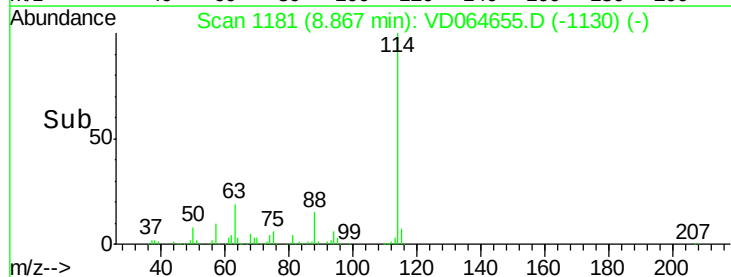
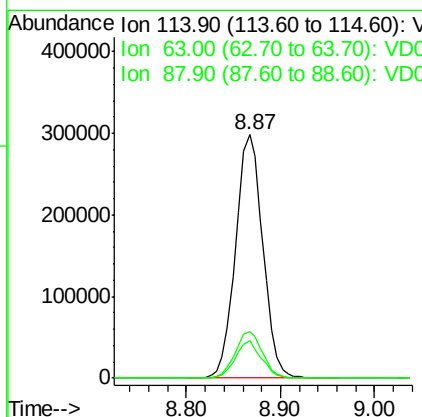
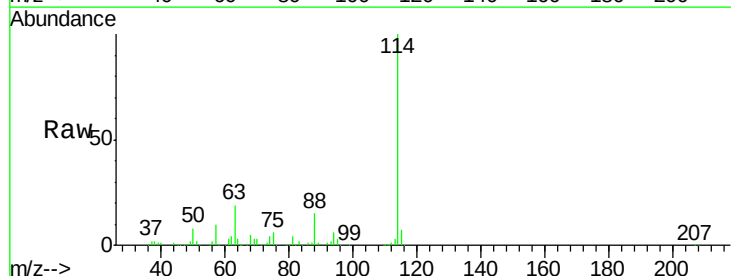
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

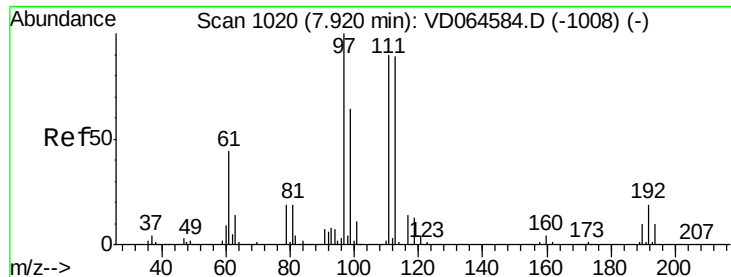
Tgt Ion: 65 Resp: 184252
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 114 Resp: 599624
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.0
 88 15.2 0.0 29.2

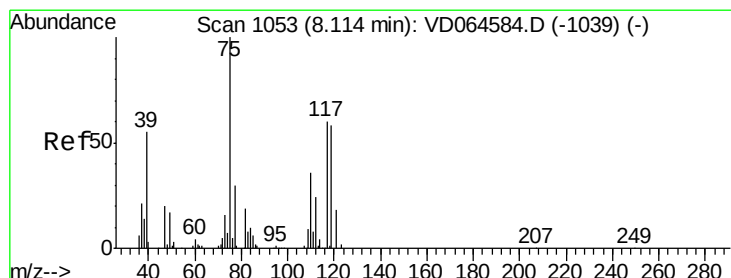
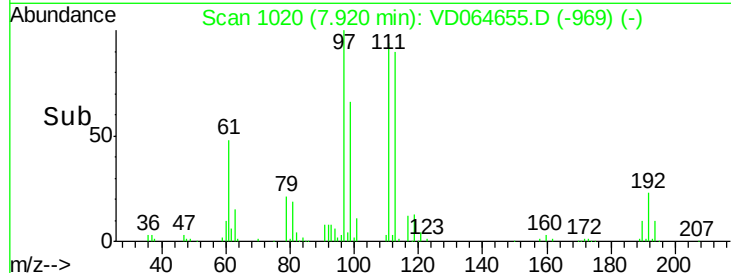
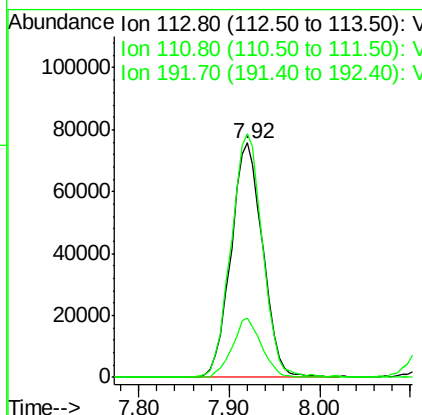
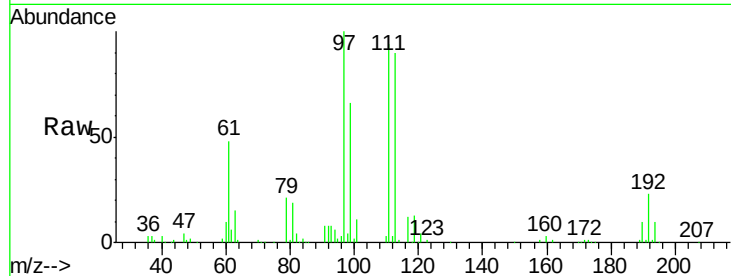




#35
 Dibromofluoromethane
 Concen: 49.949 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

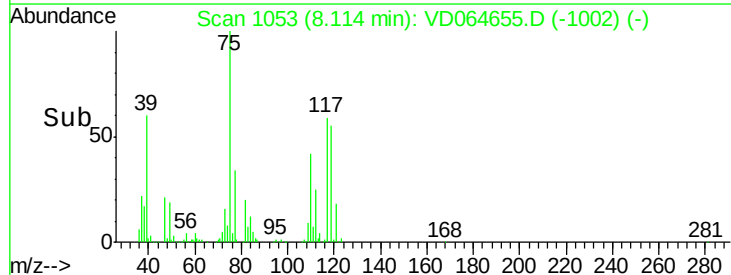
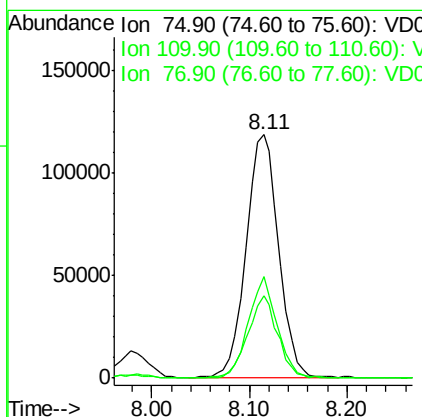
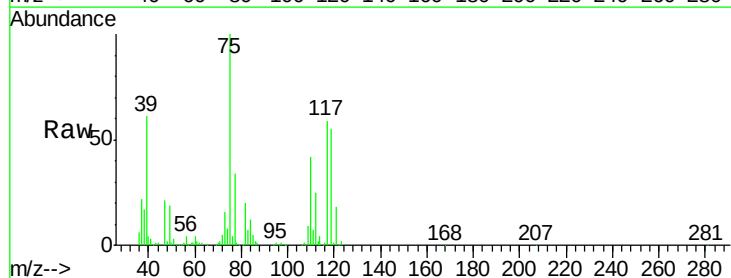
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

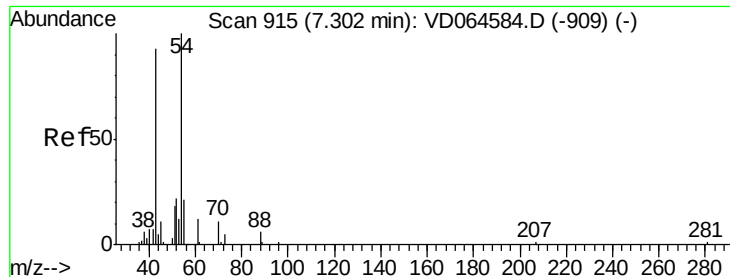
Tgt Ion: 113 Resp: 183752
 Ion Ratio Lower Upper
 113 100
 111 103.8 80.6 121.0
 192 23.2 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 48.127 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 75 Resp: 277757
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.1
 77 31.5 24.2 36.4

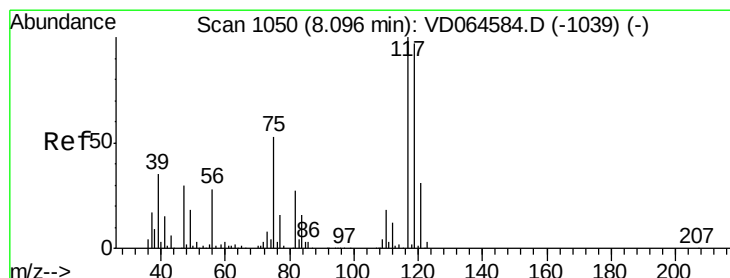
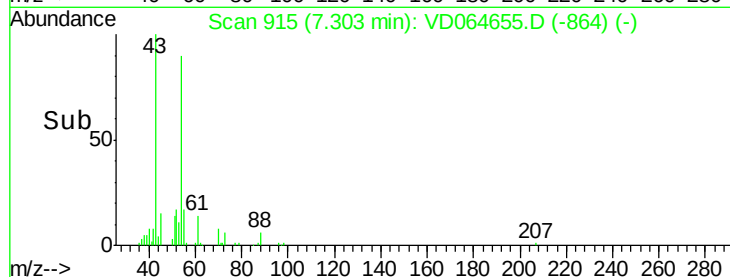
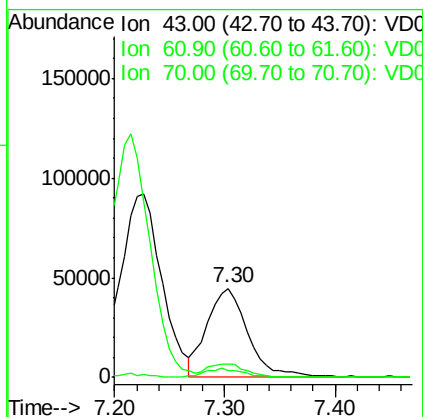
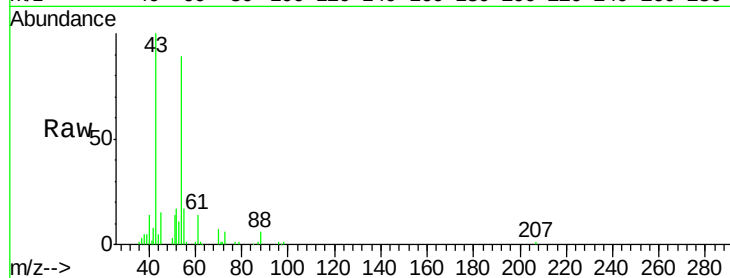




#37
Ethyl Acetate
Concen: 49.892 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

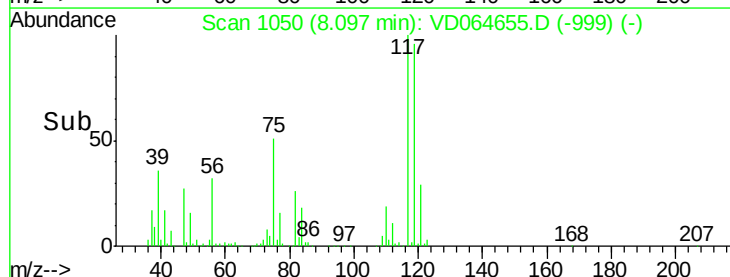
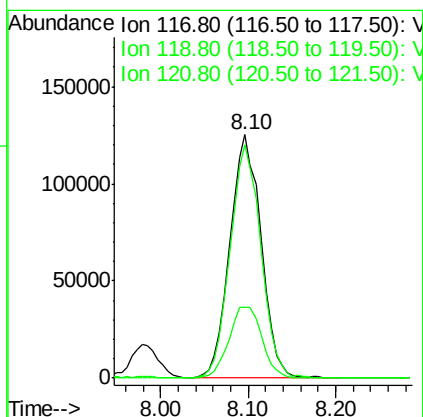
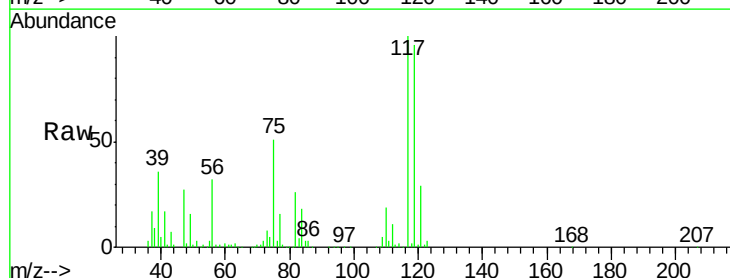
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

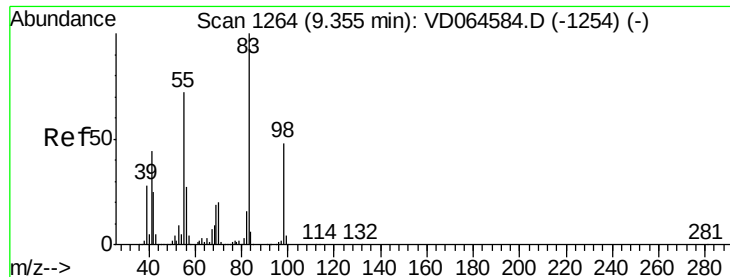
Tgt Ion: 43 Resp: 113120
Ion Ratio Lower Upper
43 100
61 14.6 10.3 15.5
70 9.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.120 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 117 Resp: 302286
Ion Ratio Lower Upper
117 100
119 96.2 77.3 115.9
121 29.4 25.0 37.6

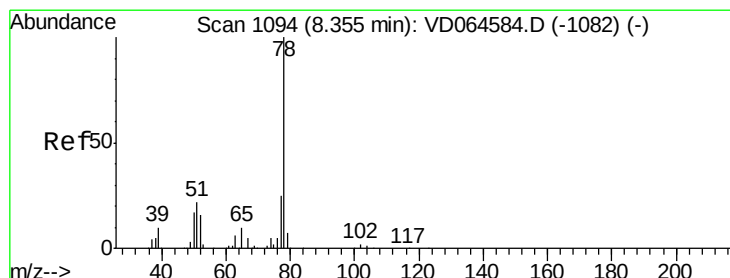
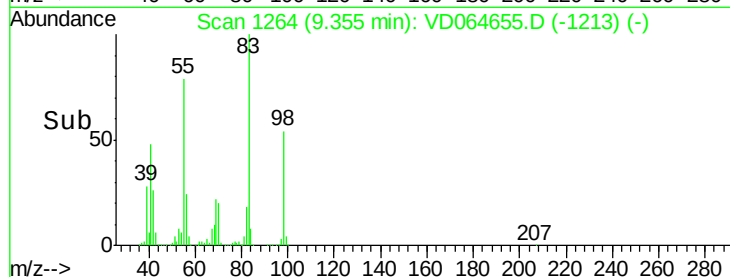
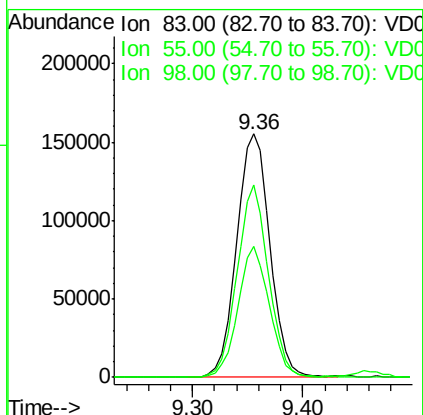
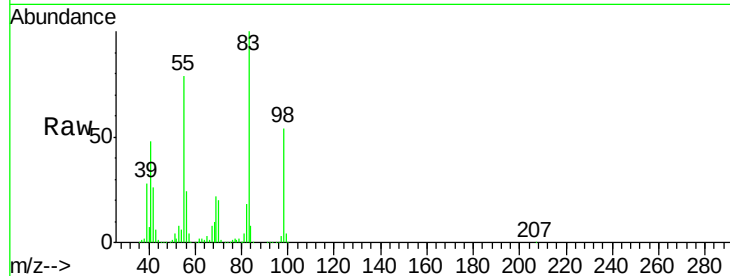




#39
Methylcyclohexane
Concen: 47.163 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

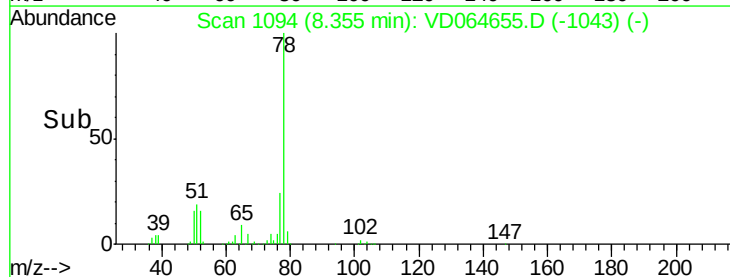
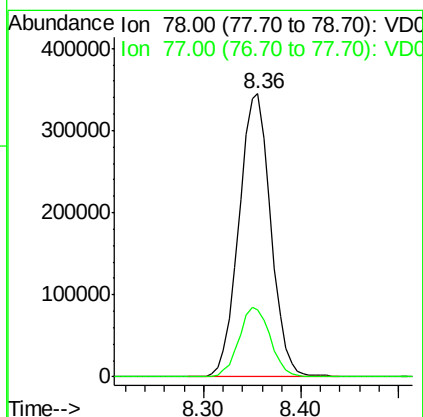
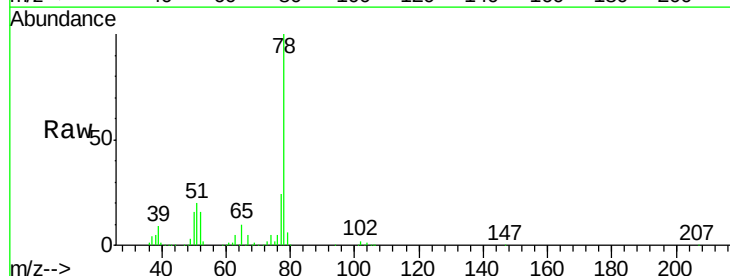
Instrument :
MSVOA_D
ClientSampleId :
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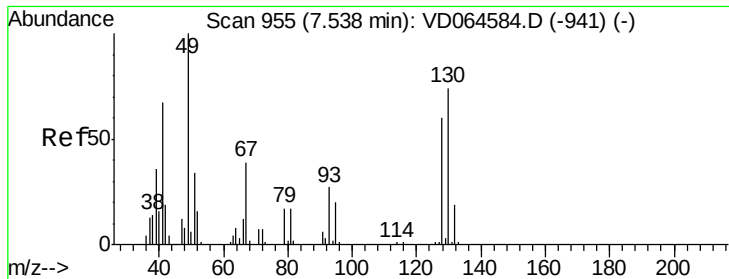
Tgt Ion: 83 Resp: 329675
Ion Ratio Lower Upper
83 100
55 79.0 57.8 86.6
98 53.8 38.7 58.1



#40
Benzene
Concen: 49.863 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 78 Resp: 785608
Ion Ratio Lower Upper
78 100
77 23.7 19.9 29.9

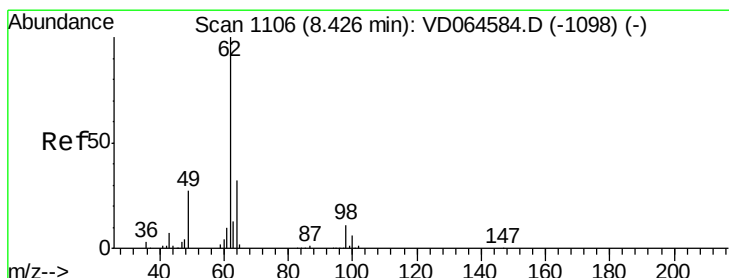
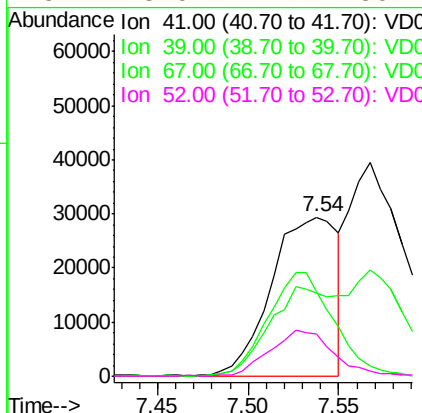
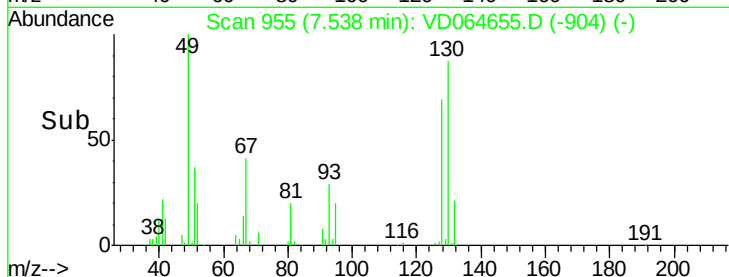
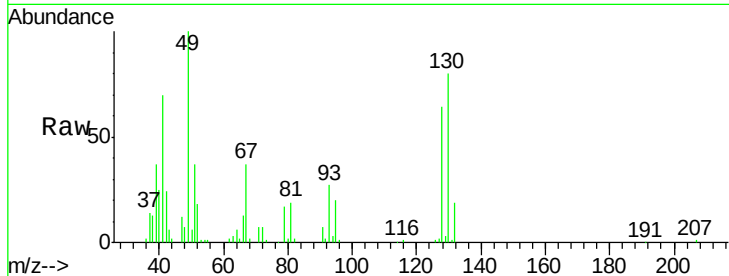




#41
Methacrylonitrile
Concen: 56.897 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

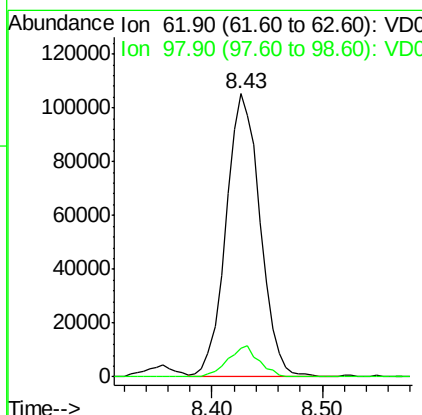
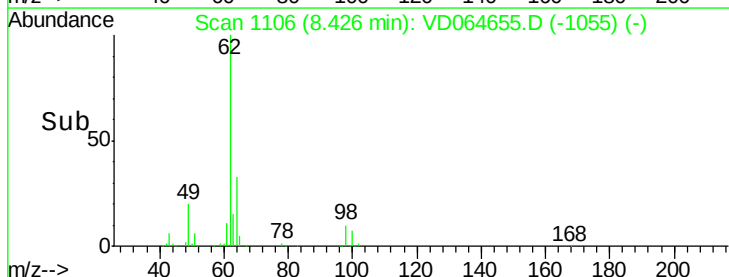
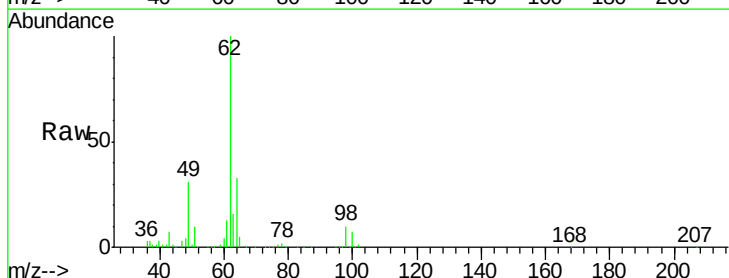
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

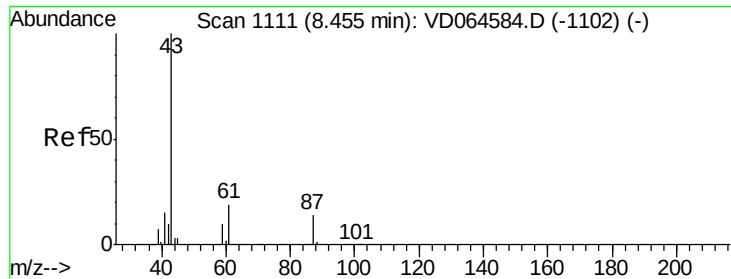
Tgt Ion:	41	Resp:	74847
Ion	Ratio	Lower	Upper
41	100		
39	48.6	46.7	70.1
67	65.3	52.5	78.7
52	28.0	24.1	36.1



#42
1,2-Dichloroethane
Concen: 49.844 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion:	62	Resp:	226934
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.0





#43

Isopropyl Acetate

Concen: 50.418 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

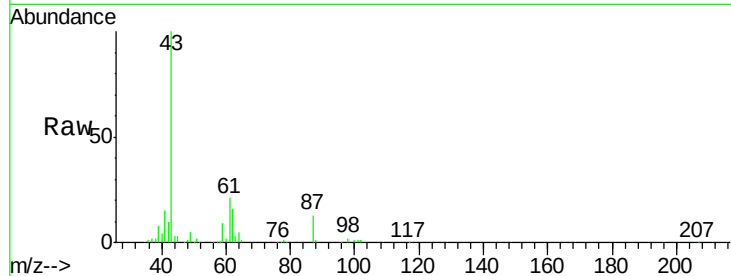
Tgt Ion: 43 Resp: 227527

Ion Ratio Lower Upper

43 100

61 29.8 23.7 35.5

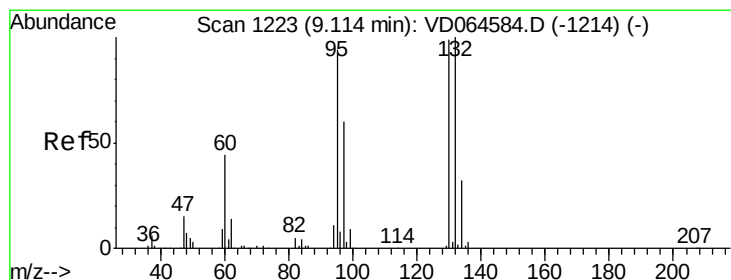
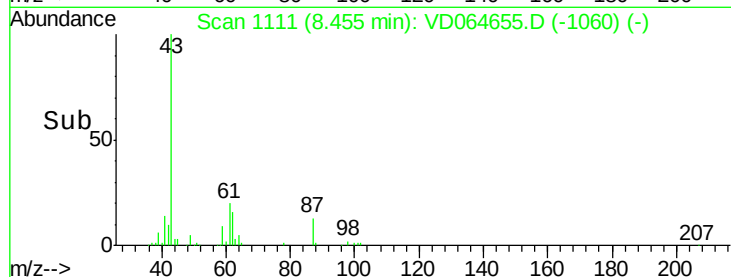
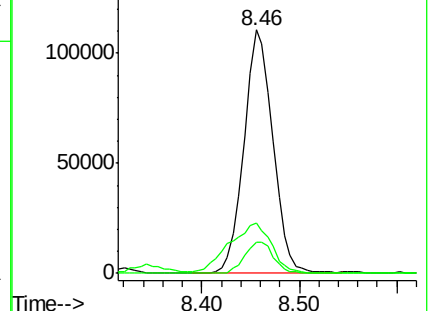
87 12.9 10.5 15.7



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: 49.055 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064655.D

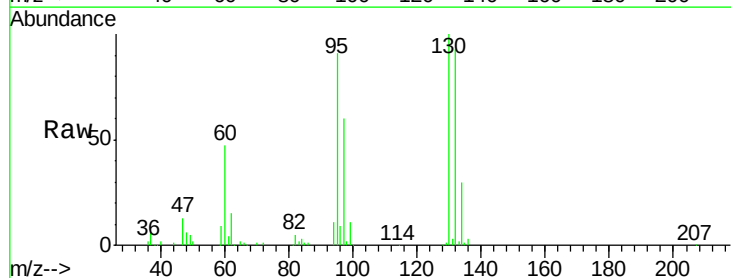
Acq: 27 Dec 2019 20:36

Tgt Ion: 130 Resp: 227044

Ion Ratio Lower Upper

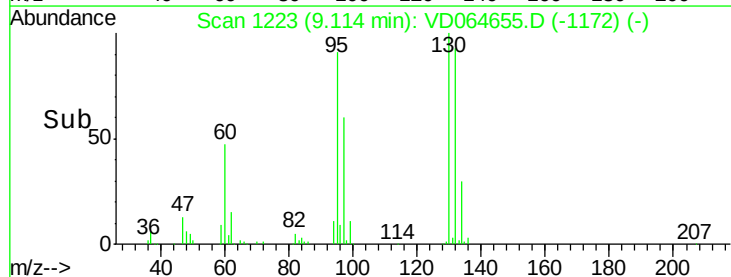
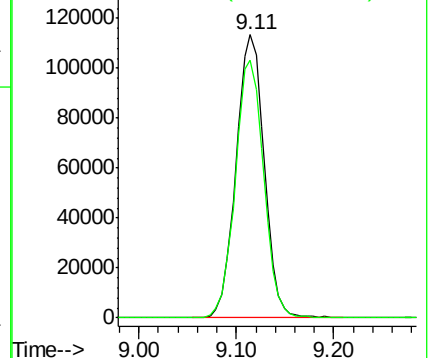
130 100

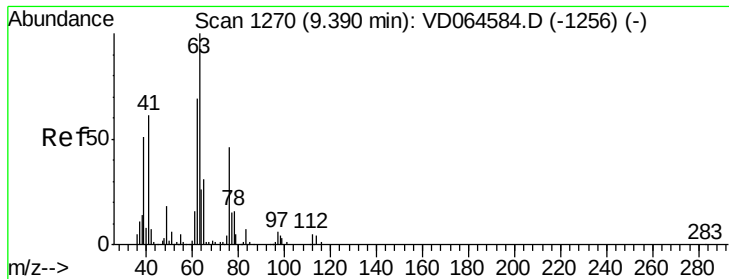
95 91.2 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.437 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

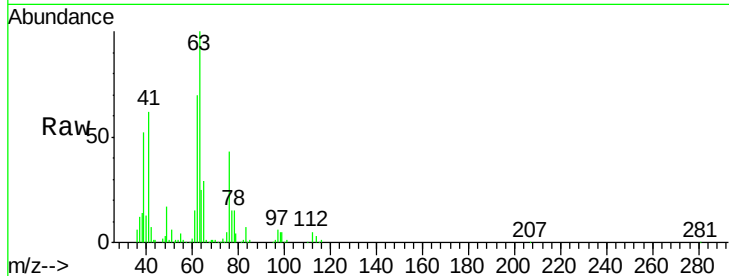
VSTDCCC050EC

Tgt Ion: 63 Resp: 193495

Ion Ratio Lower Upper

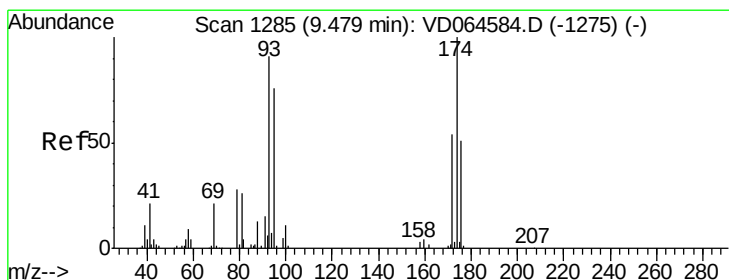
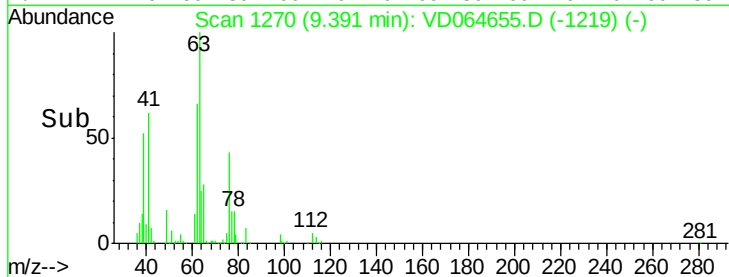
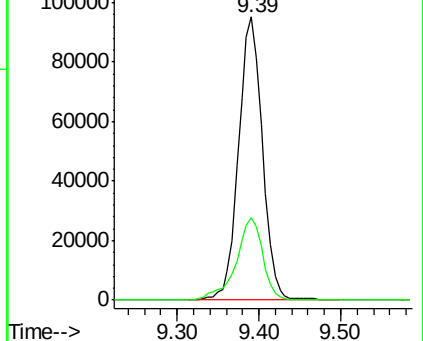
63 100

65 29.0 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.309 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

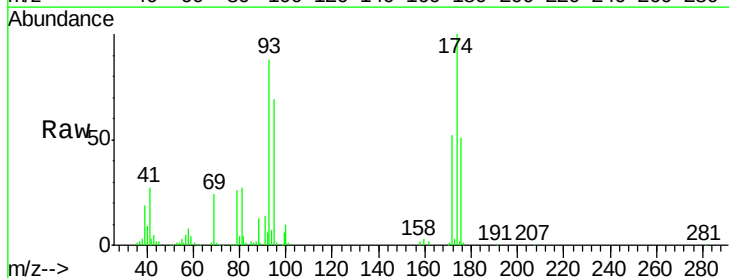
Tgt Ion: 93 Resp: 107611

Ion Ratio Lower Upper

93 100

95 80.3 64.6 97.0

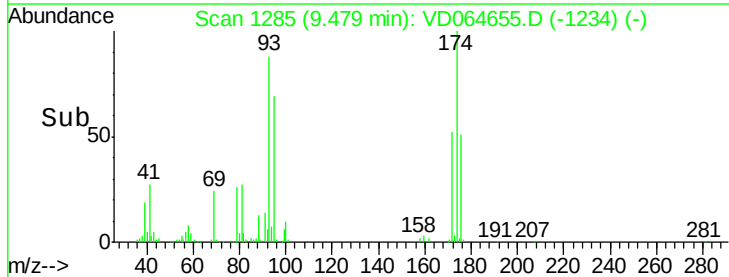
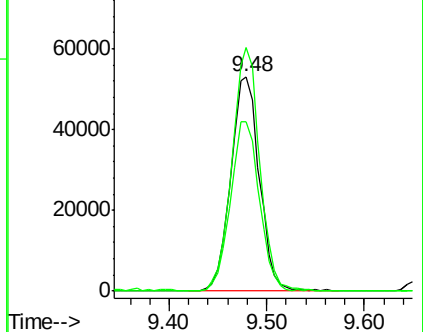
174 110.6 88.1 132.1

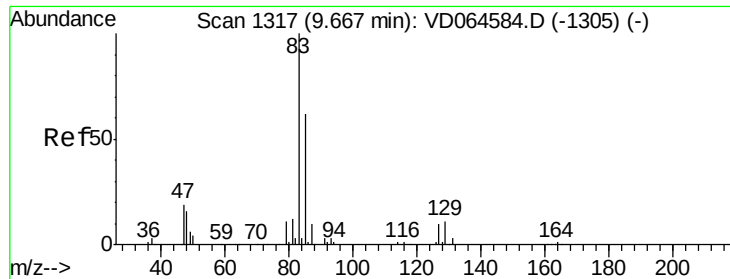


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.714 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

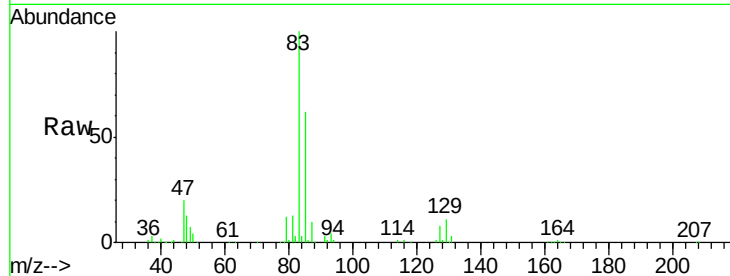
Tgt Ion: 83 Resp: 283028

Ion Ratio Lower Upper

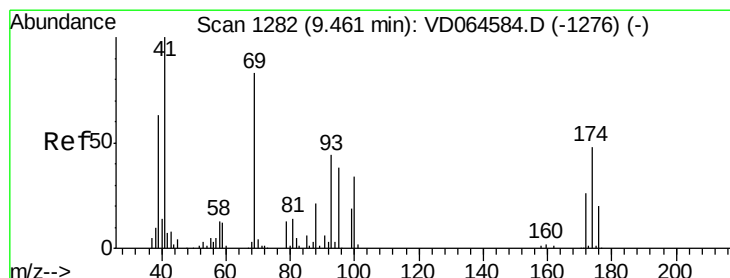
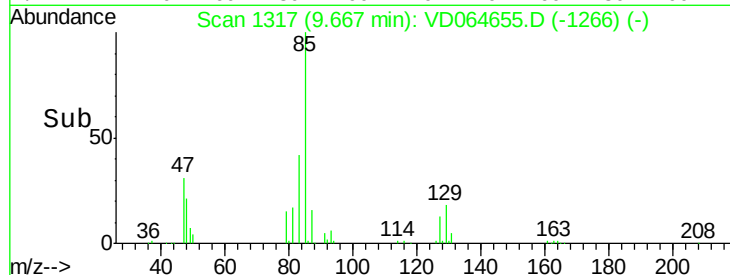
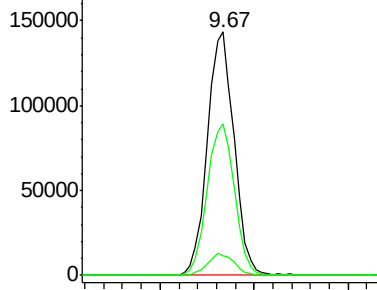
83 100

85 62.4 49.5 74.3

127 8.0 7.8 11.6



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



#48

Methyl methacrylate

Concen: 50.199 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

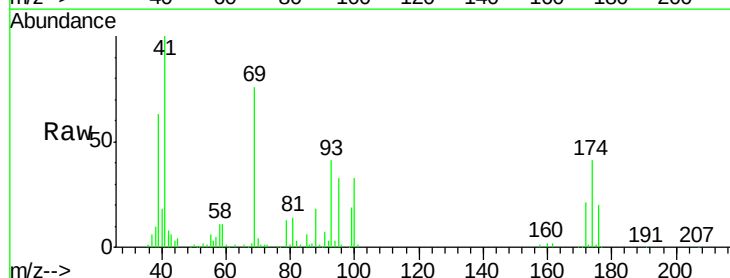
Tgt Ion: 41 Resp: 106668

Ion Ratio Lower Upper

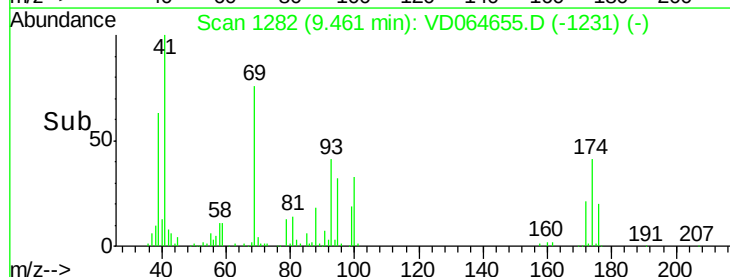
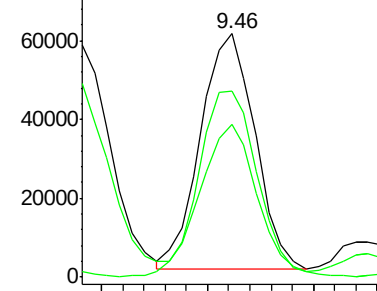
41 100

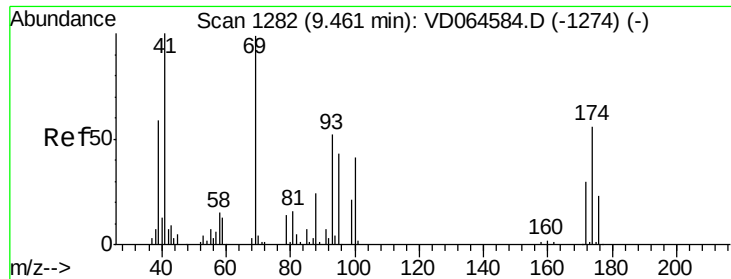
69 85.2 63.0 94.6

39 62.7 47.4 71.2



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

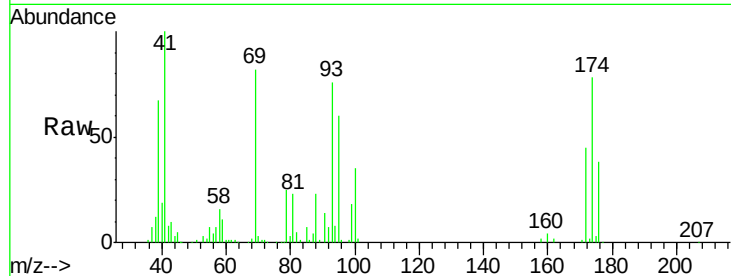




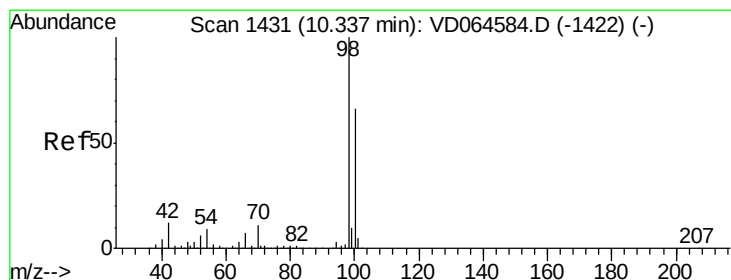
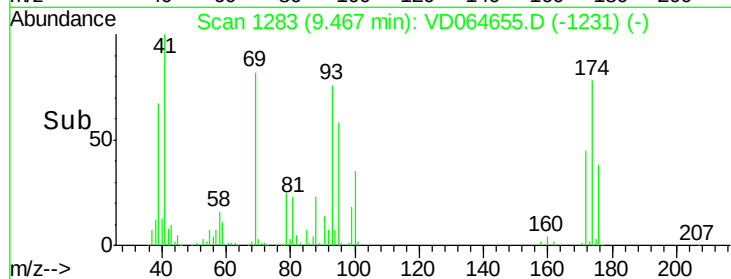
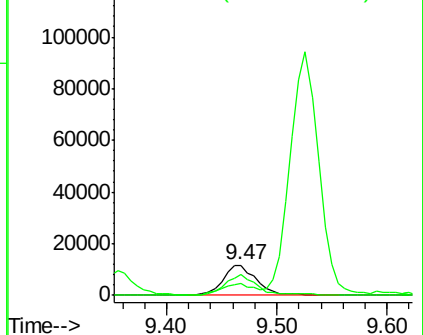
#49
 1,4-Dioxane
 Concen: 1016.772 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 24589
 Ion Ratio Lower Upper
 88 100
 43 37.7 27.7 41.5
 58 63.5 53.8 80.6

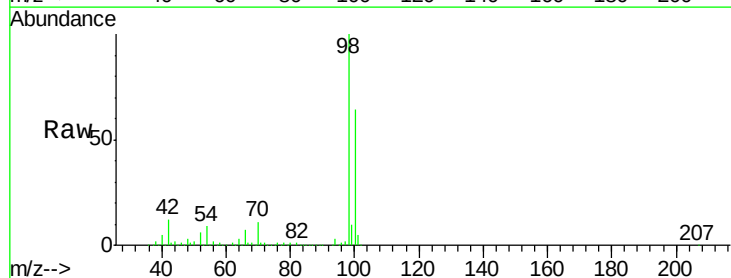


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

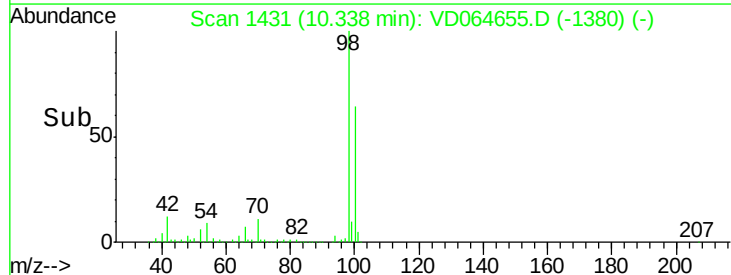
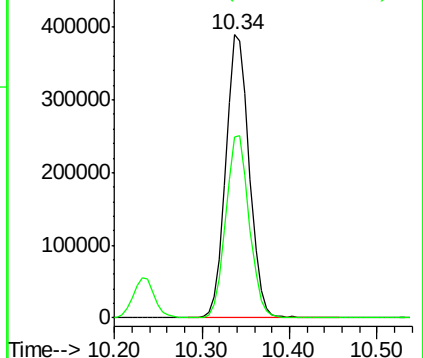


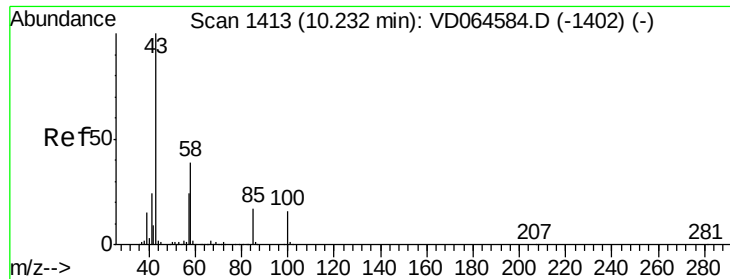
#50
 Toluene-d8
 Concen: 50.897 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 98 Resp: 717102
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.7 77.5



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

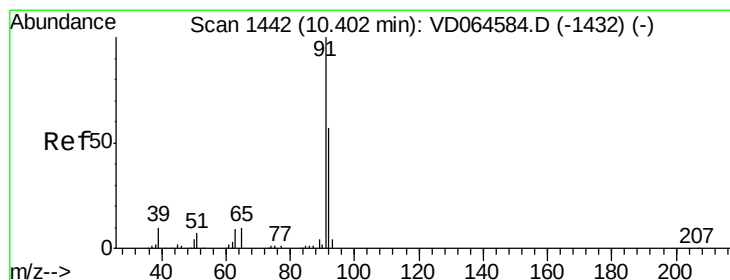
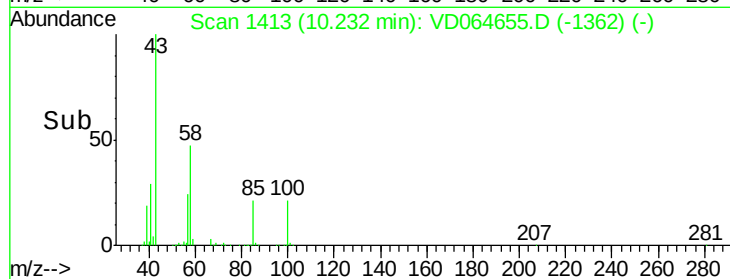
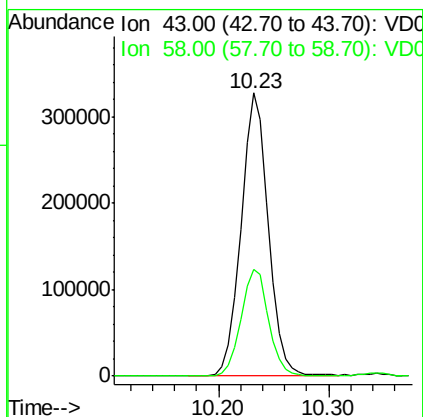
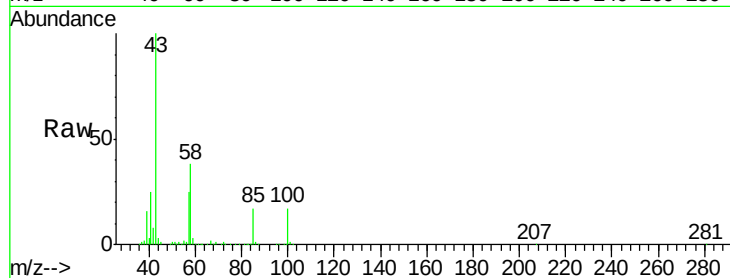




#51
 4-Methyl-2-Pentanone
 Concen: 254.701 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

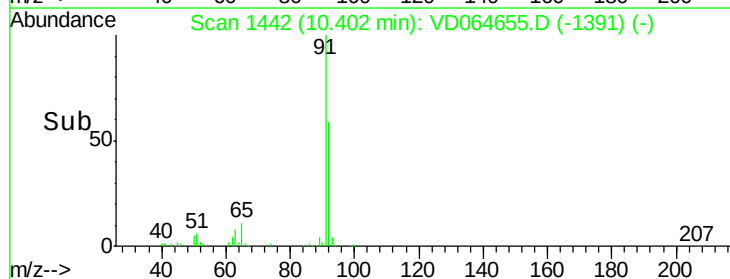
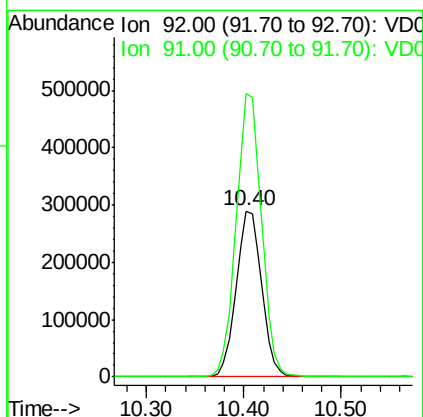
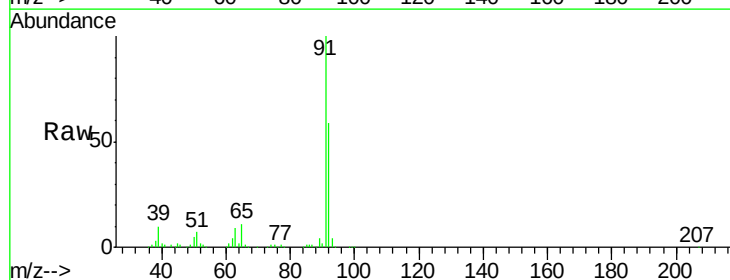
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

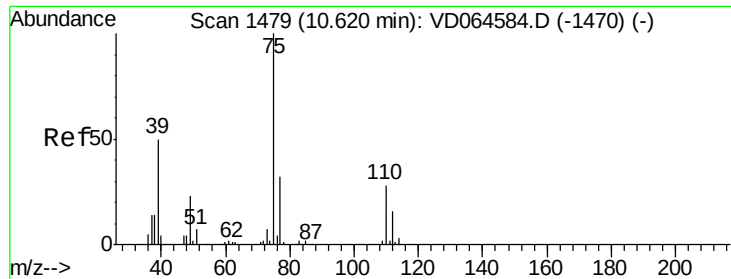
Tgt Ion: 43 Resp: 568136
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.2 45.2



#52
 Toluene
 Concen: 50.744 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 92 Resp: 524518
 Ion Ratio Lower Upper
 92 100
 91 170.6 138.7 208.1

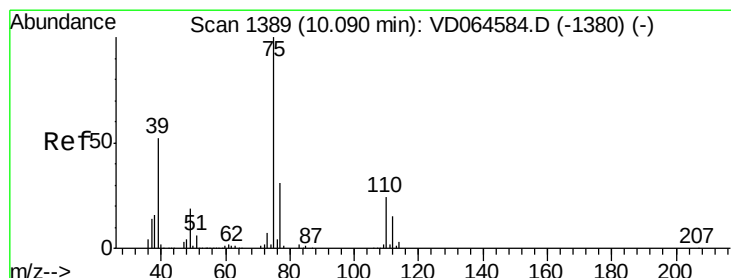
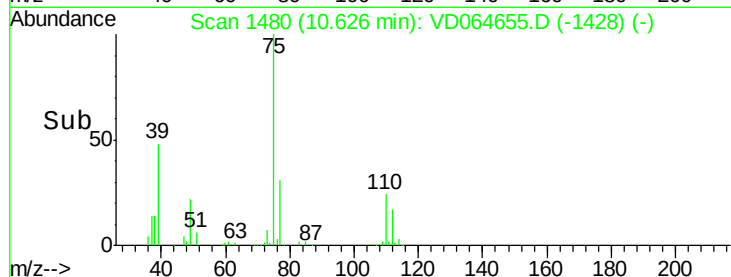
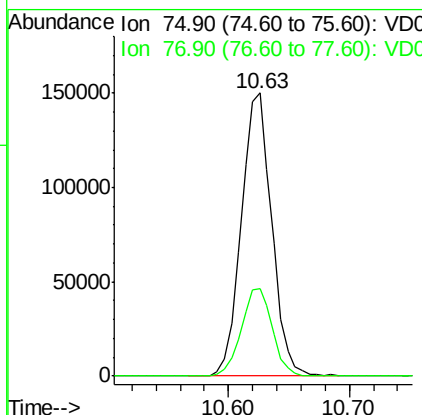
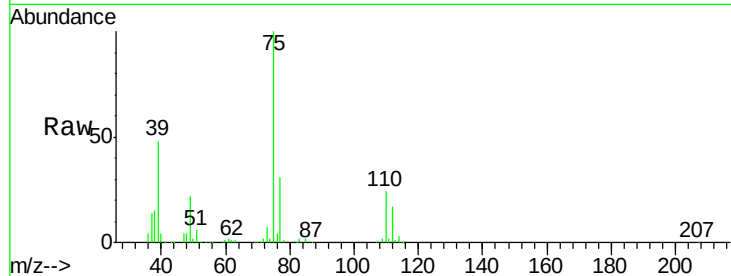




#53
 t-1,3-Dichloropropene
 Concen: 50.665 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

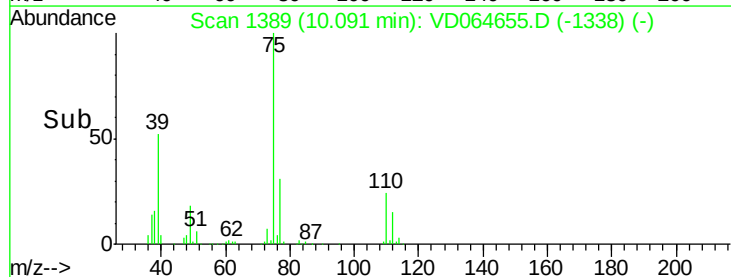
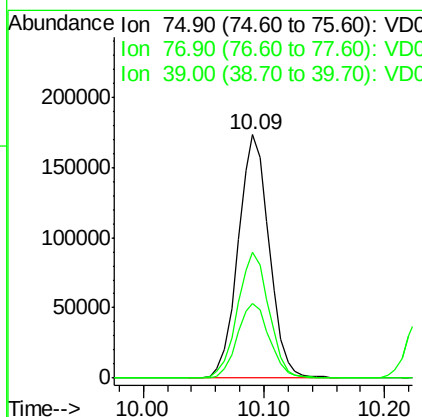
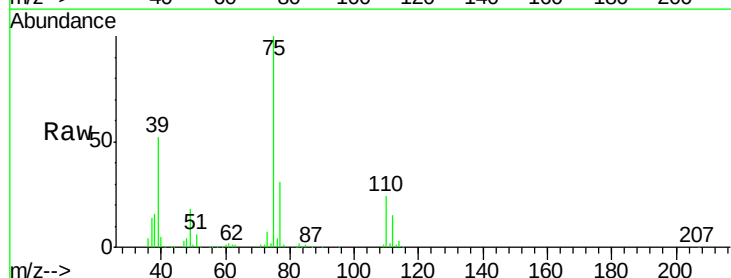
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

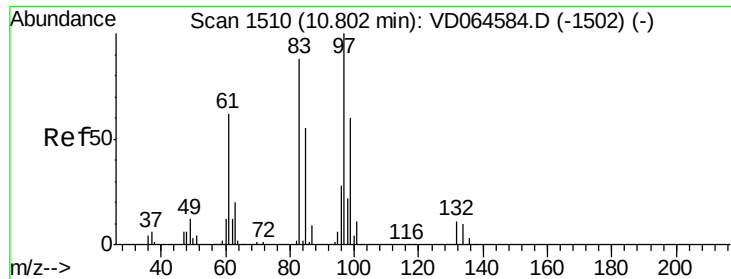
Tgt Ion: 75 Resp: 263616
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 50.597 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 75 Resp: 310424
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.6 36.8
 39 51.8 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 51.122 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 144494

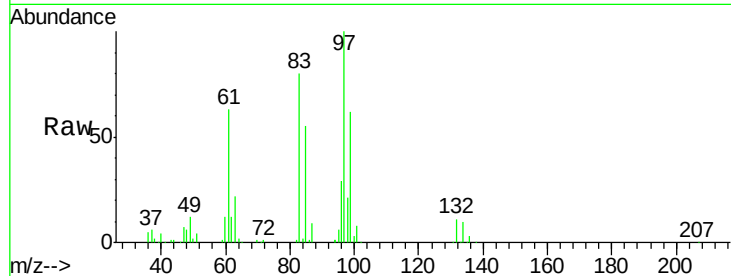
Ion Ratio Lower Upper

97 100

83 80.2 70.2 105.4

85 54.7 44.0 66.0

99 62.1 47.8 71.6

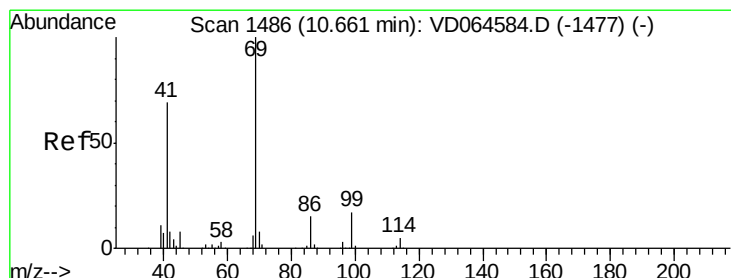
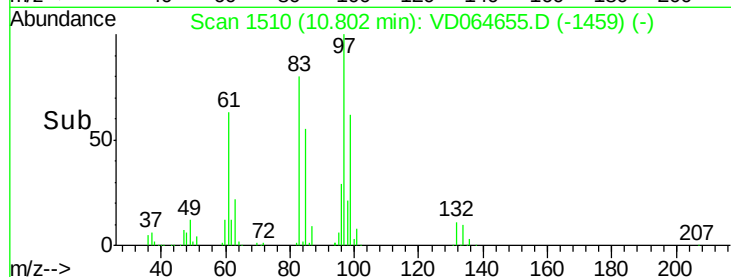
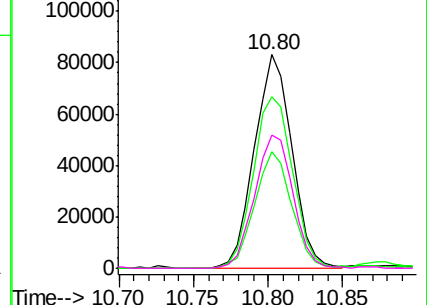


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 52.459 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

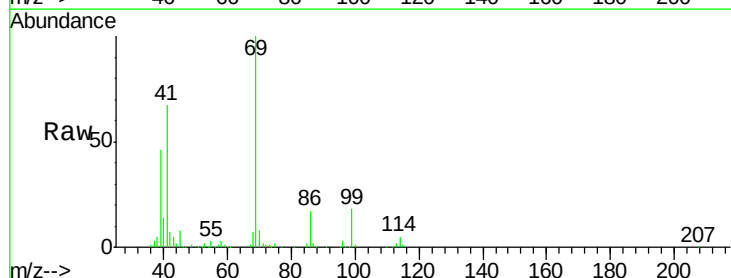
Tgt Ion: 69 Resp: 185177

Ion Ratio Lower Upper

69 100

41 67.8 55.3 82.9

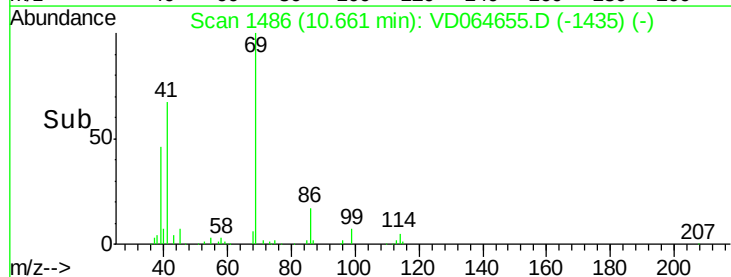
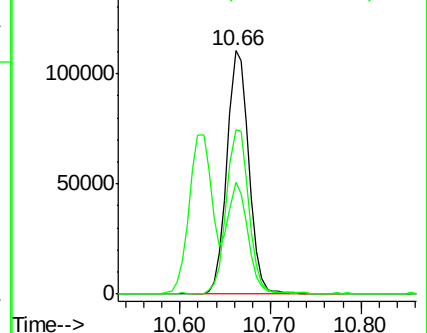
39 43.2 33.8 50.8

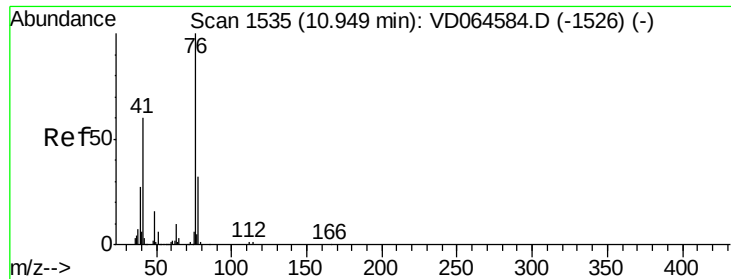


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

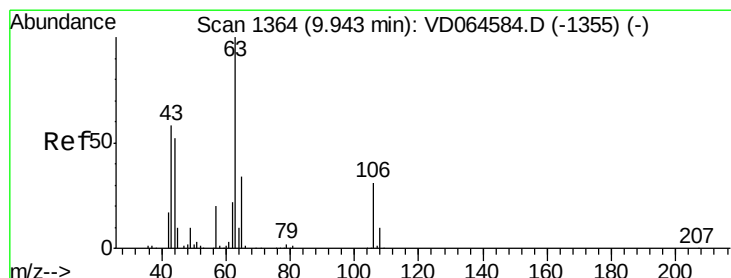
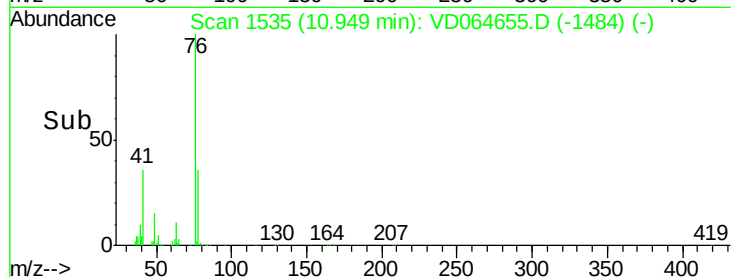
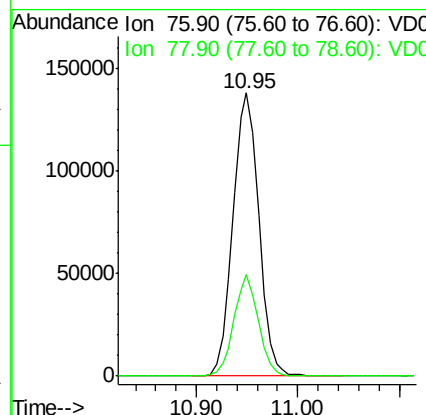
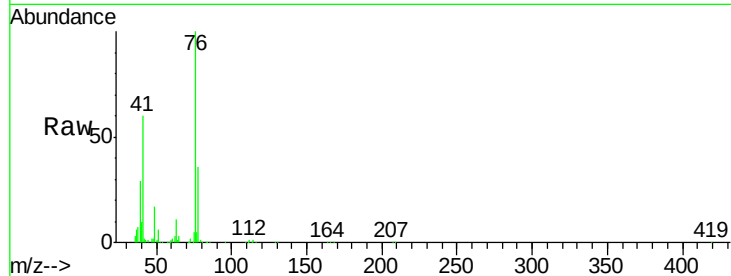




#57
 1,3-Dichloropropane
 Concen: 50.388 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

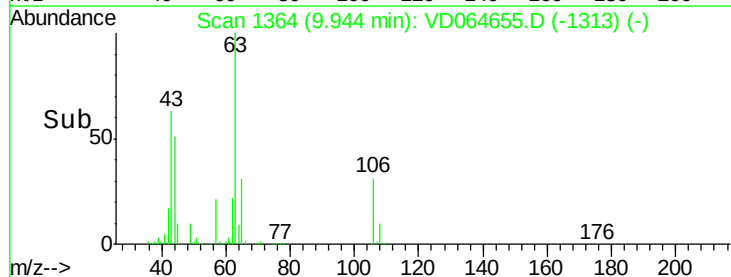
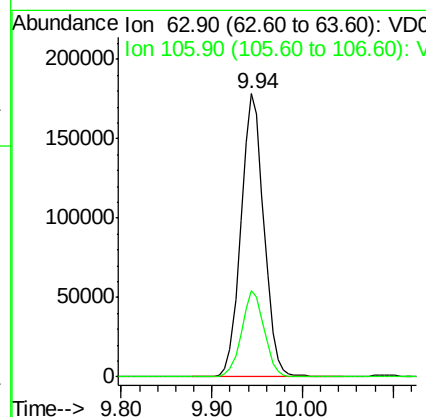
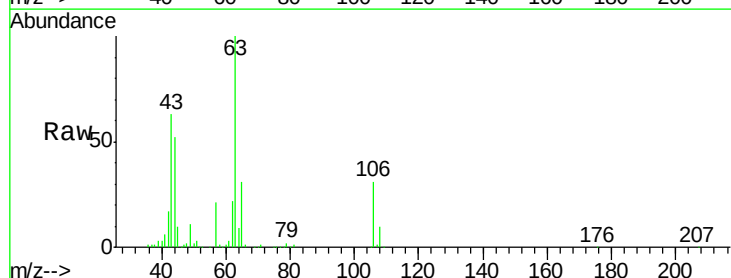
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

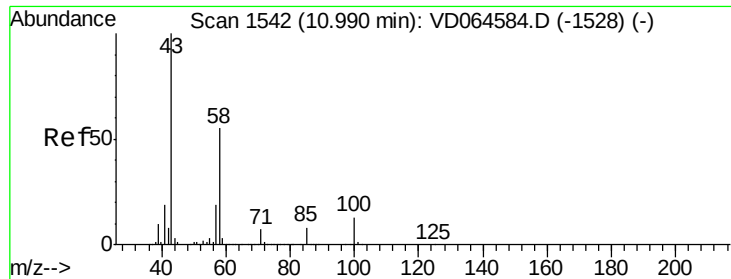
Tgt Ion: 76 Resp: 245221
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.743 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 63 Resp: 315698
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8

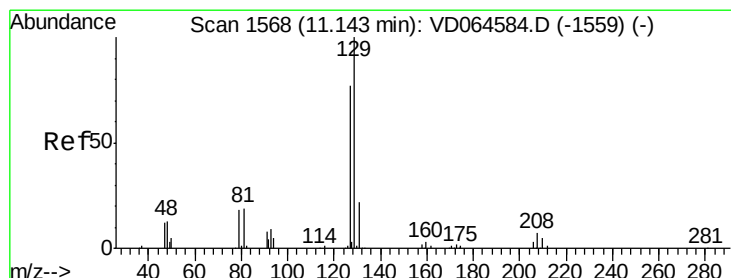
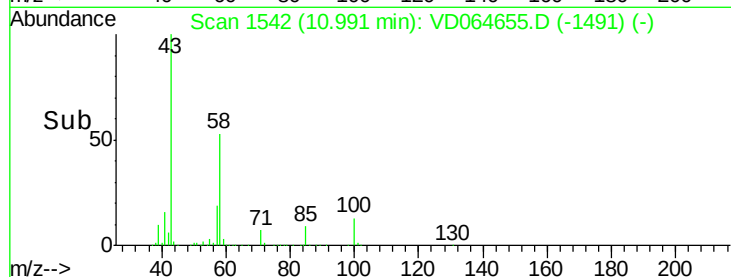
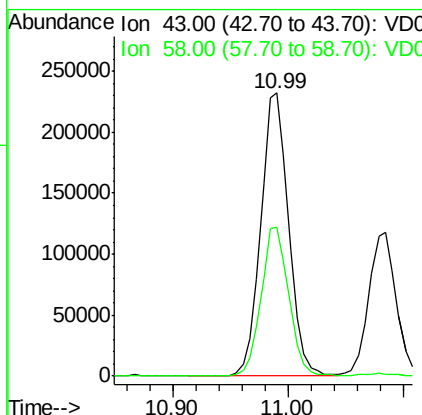
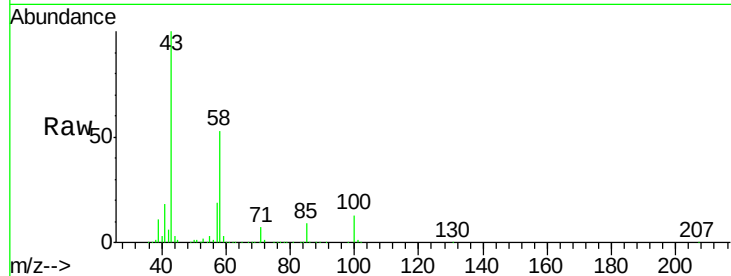




#59
2-Hexanone
Concen: 258.447 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

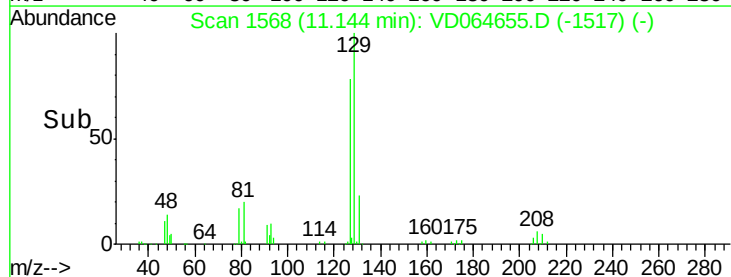
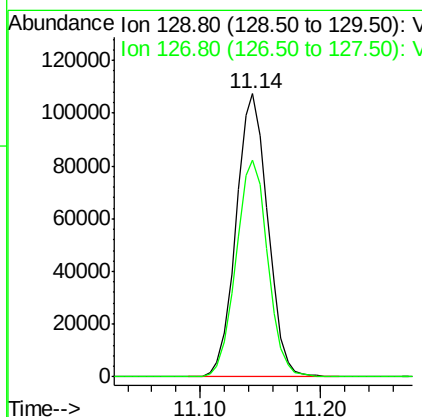
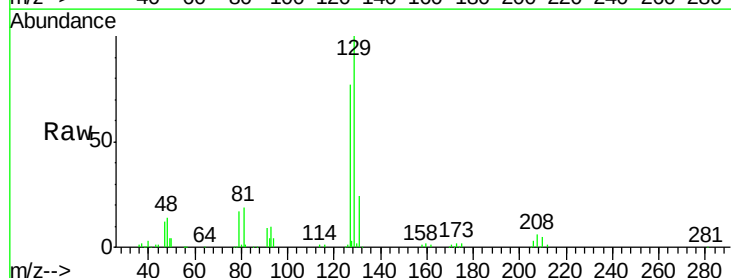
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

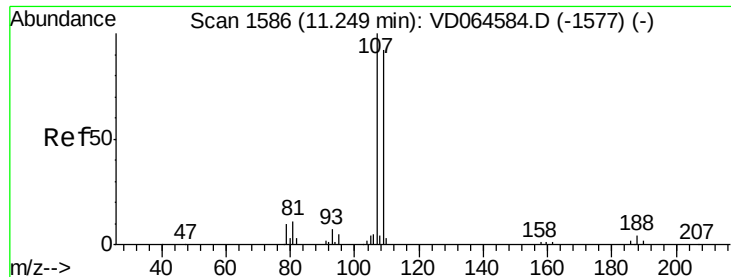
Tgt Ion: 43 Resp: 391278
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0



#60
Dibromochloromethane
Concen: 50.338 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 129 Resp: 196753
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2

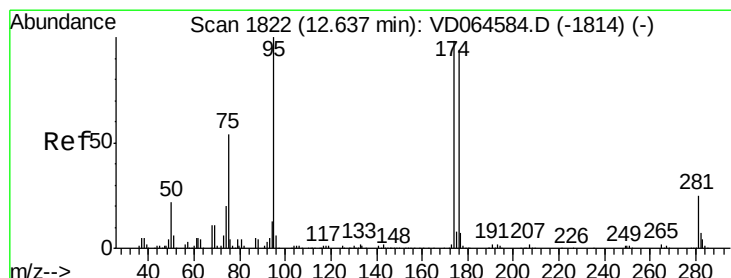
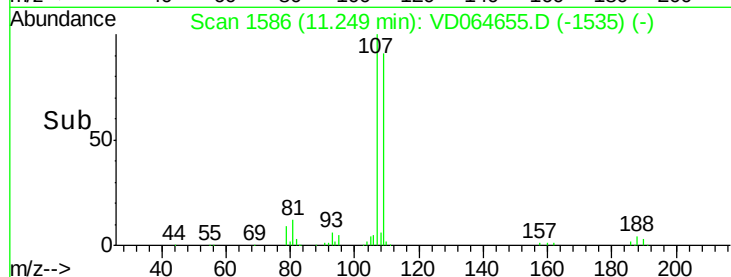
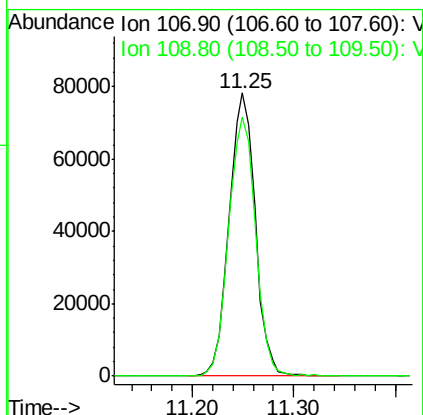
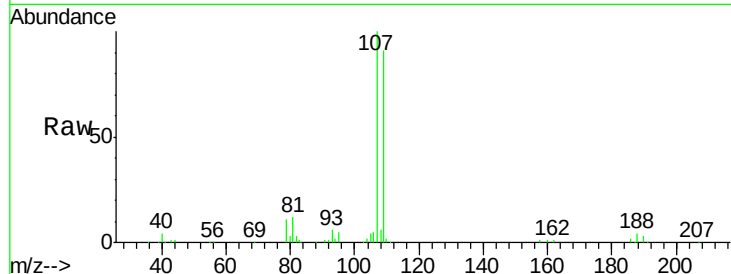




#61
 1,2-Dibromoethane
 Concen: 50.379 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

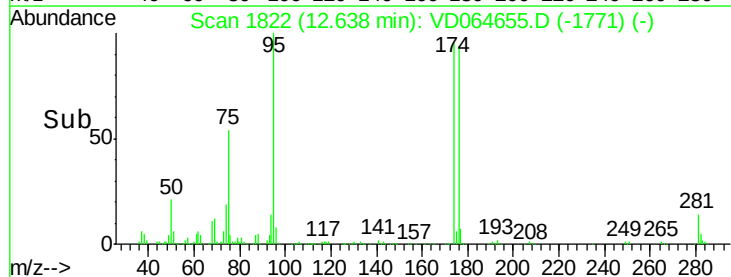
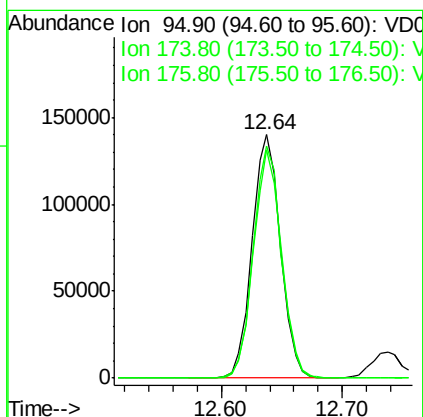
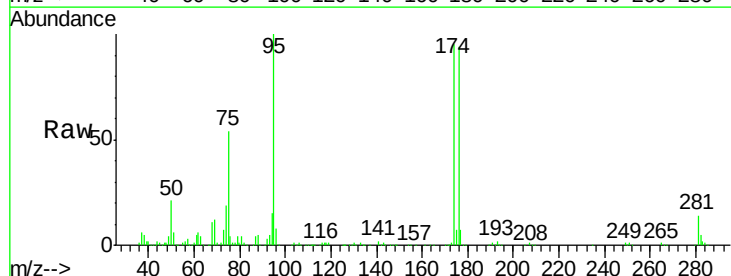
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

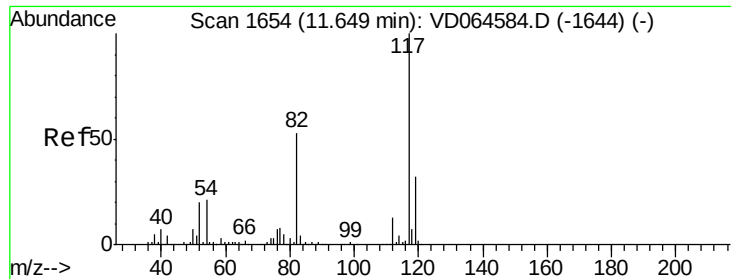
Tgt Ion: 107 Resp: 140446
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.350 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 95 Resp: 228776
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 193.2
 176 92.5 0.0 184.2

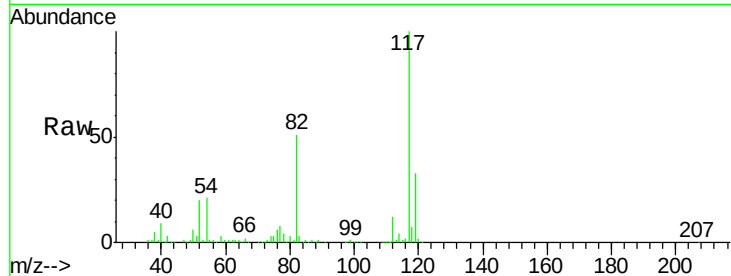




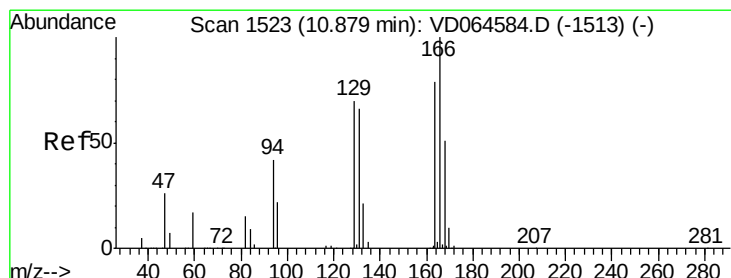
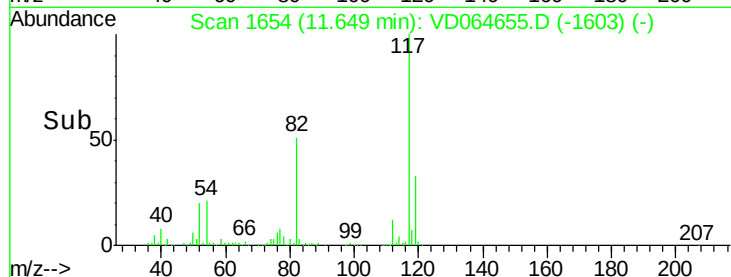
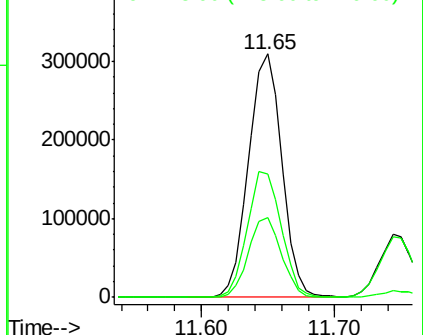
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 534642
Ion Ratio Lower Upper
117 100
82 50.7 42.2 63.4
119 32.9 26.0 39.0

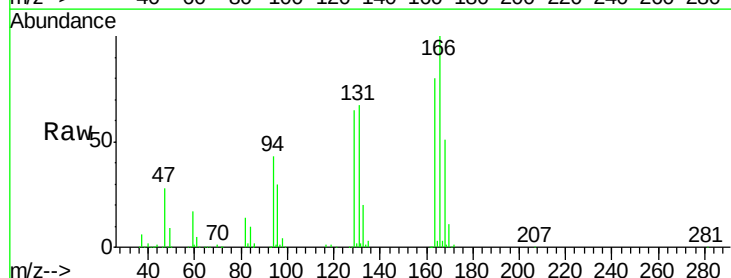


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

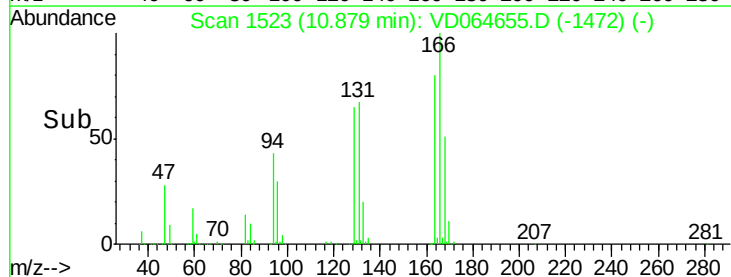
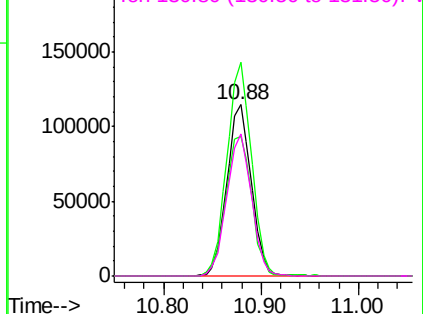


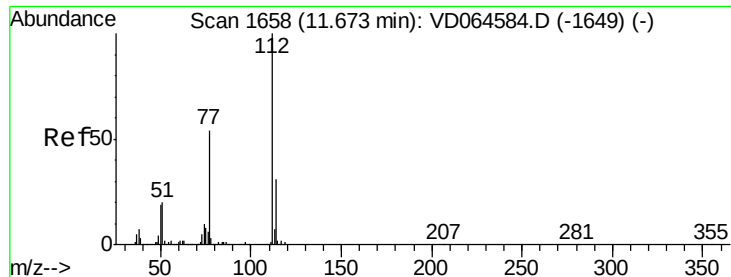
#64
Tetrachloroethene
Concen: 48.550 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion:164 Resp: 199138
Ion Ratio Lower Upper
164 100
166 124.8 101.3 151.9
129 81.7 70.5 105.7
131 83.1 66.6 99.8



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

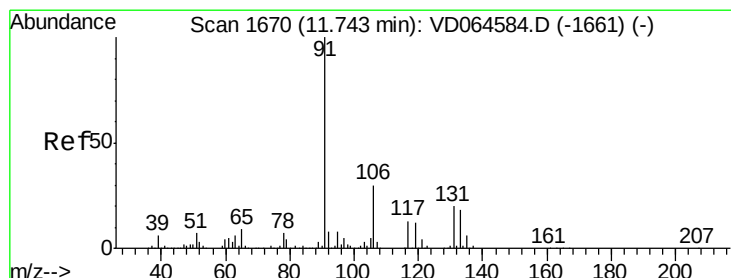
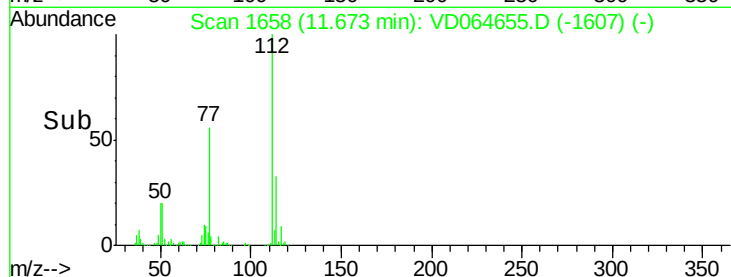
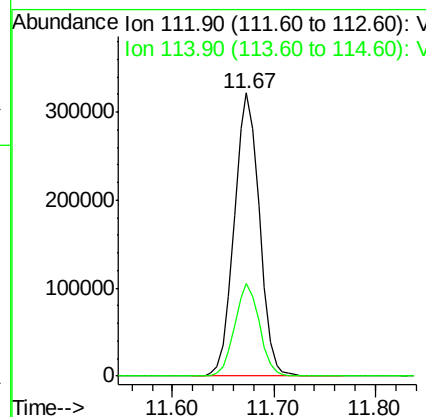
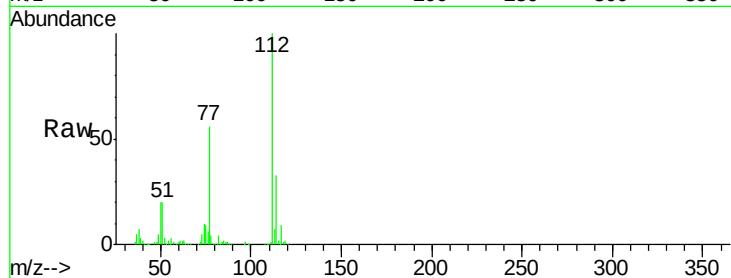




#65
Chlorobenzene
Concen: 49.884 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

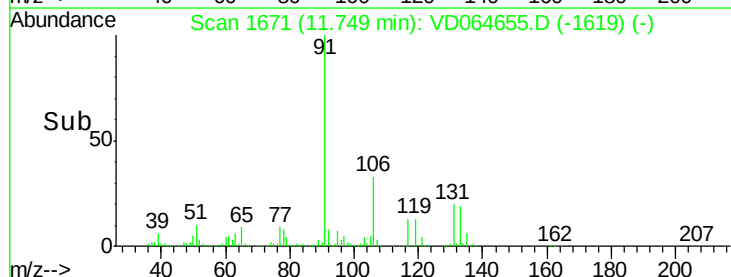
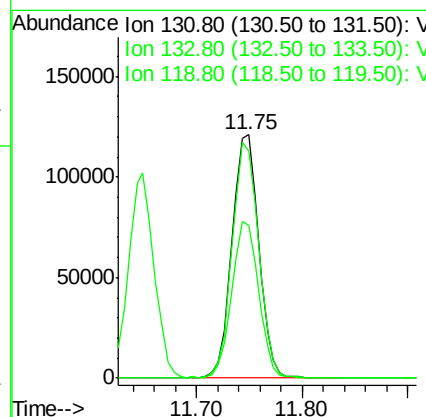
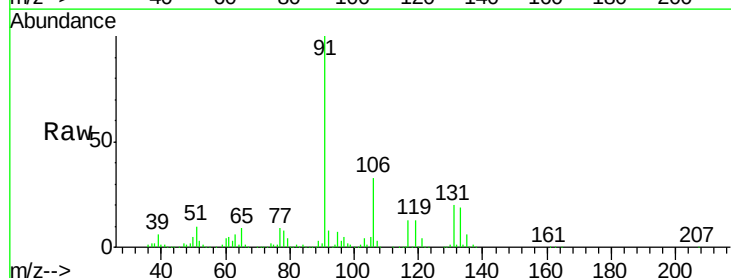
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

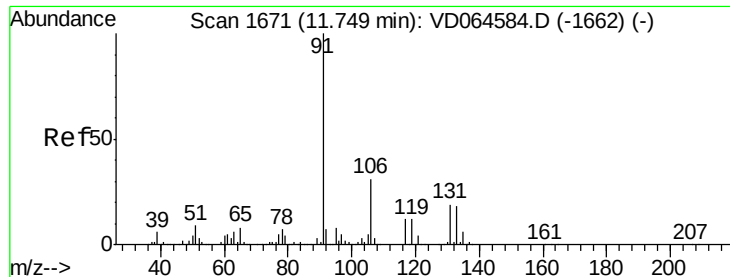
Tgt Ion:112 Resp: 553537
Ion Ratio Lower Upper
112 100
114 32.9 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.573 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion:131 Resp: 211555
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 64.9 32.1 96.3

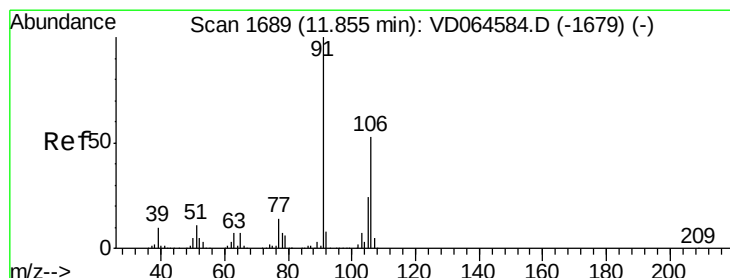
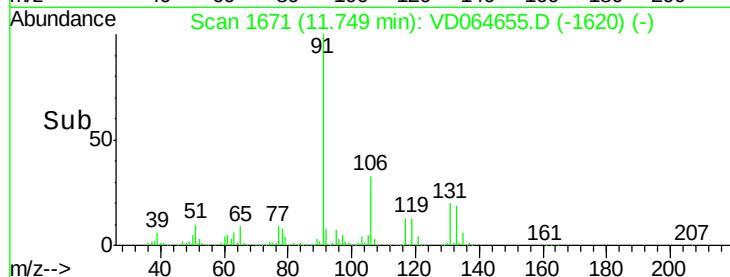
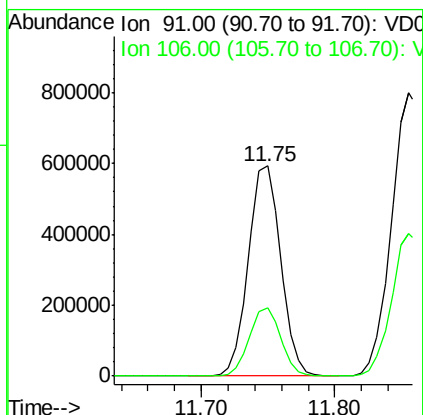
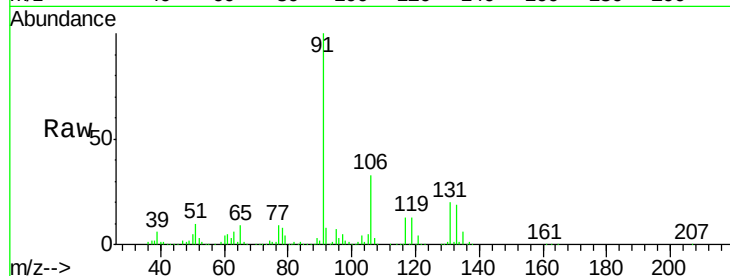




#67
Ethyl Benzene
Concen: 49.288 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

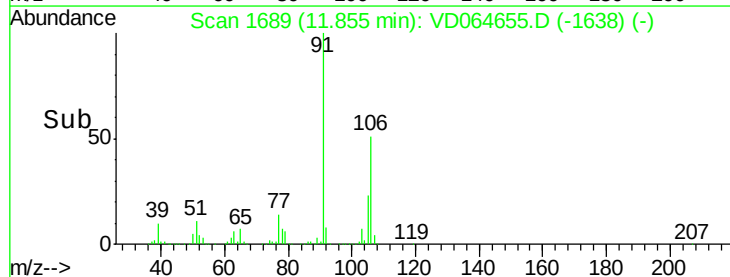
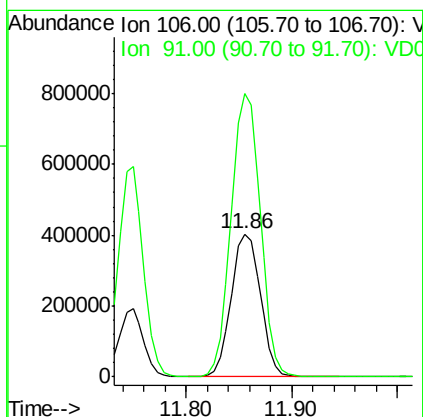
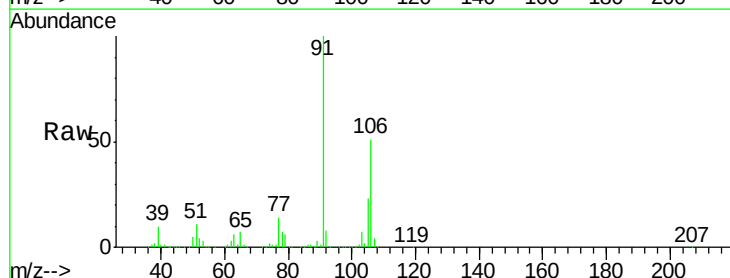
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

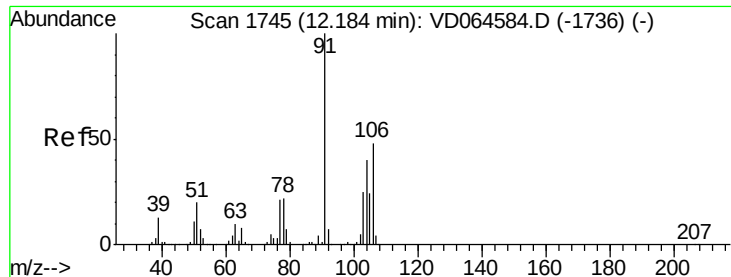
Tgt Ion: 91 Resp: 992691
Ion Ratio Lower Upper
91 100
106 32.7 24.6 36.8



#68
m/p-Xylenes
Concen: 99.168 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 106 Resp: 770922
Ion Ratio Lower Upper
106 100
91 198.5 156.3 234.5

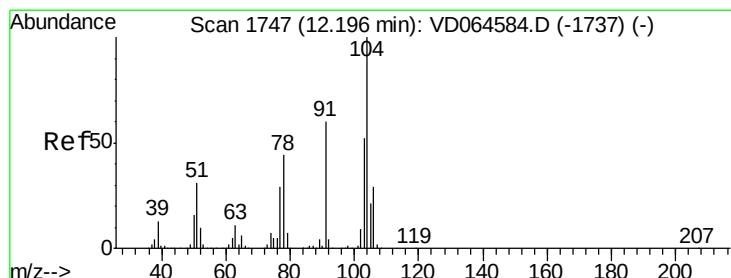
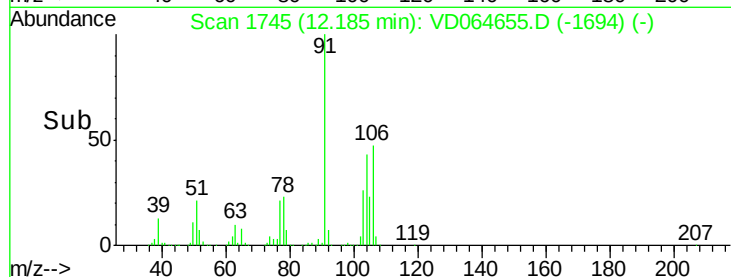
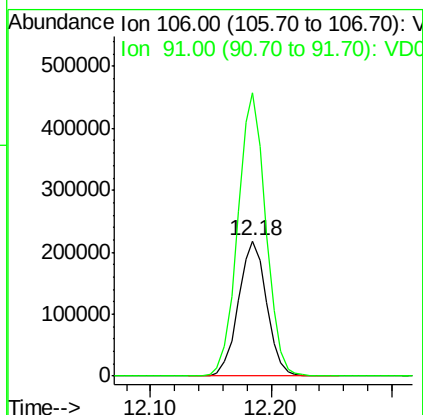
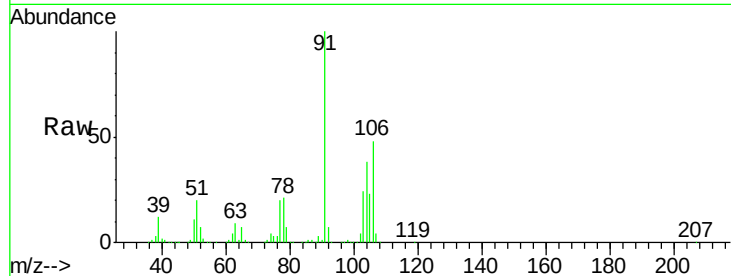




#69
o-Xylene
Concen: 50.695 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

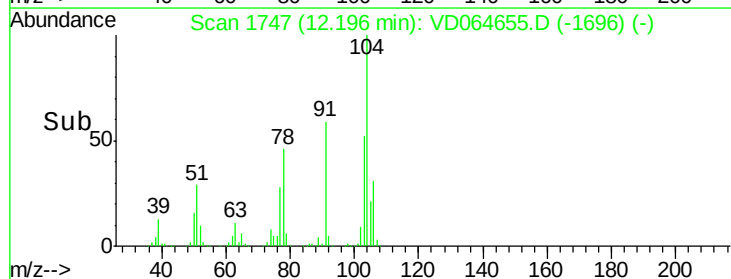
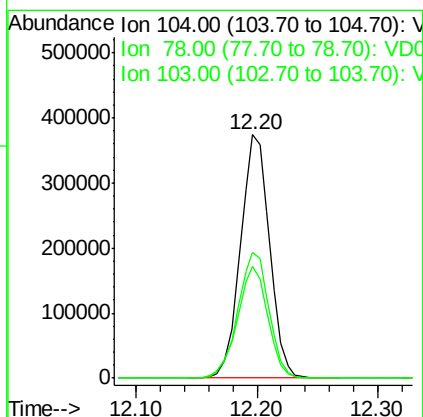
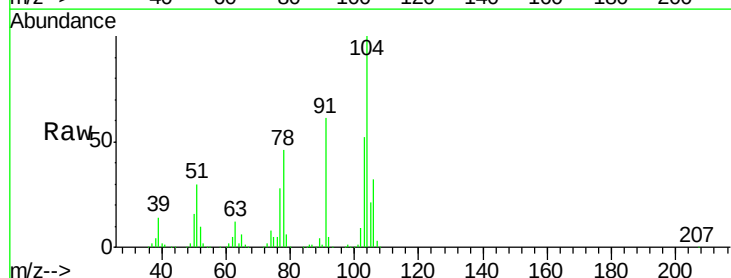
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

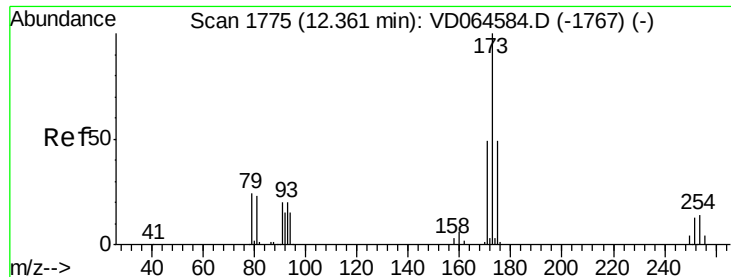
Tgt Ion:106 Resp: 355971
Ion Ratio Lower Upper
106 100
91 207.6 104.8 314.4



#70
Styrene
Concen: 50.999 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion:104 Resp: 628574
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.2 44.6 67.0





#71

Bromoform

Concen: 49.905 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

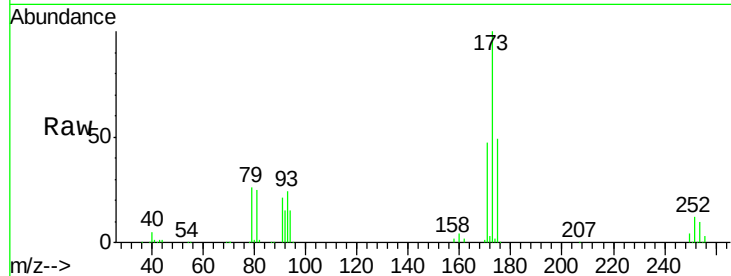
Tgt Ion:173 Resp: 119051

Ion Ratio Lower Upper

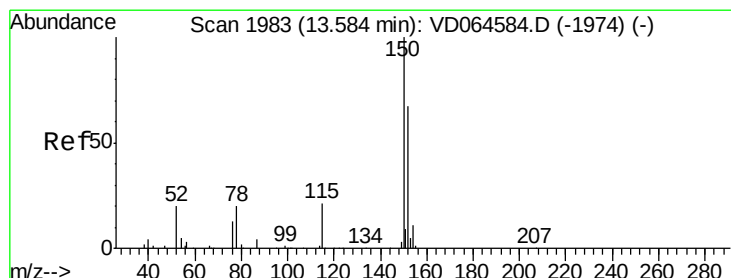
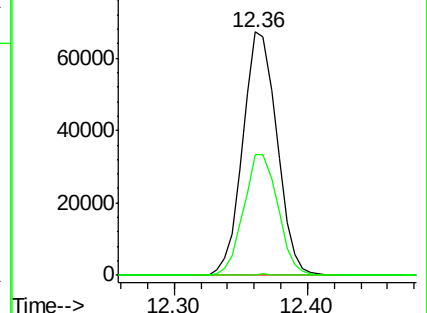
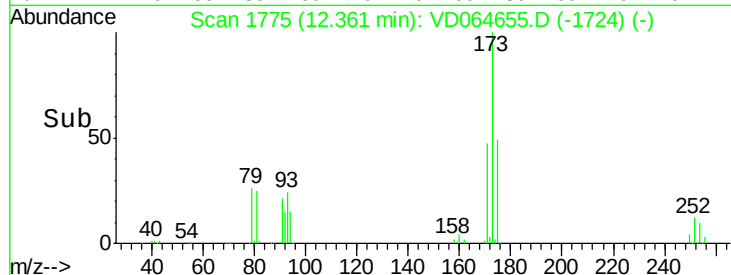
173 100

175 49.7 24.6 73.8

254 0.2 0.1 0.1#



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# 1983

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

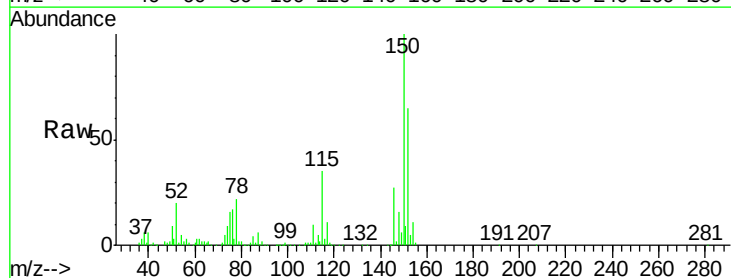
Tgt Ion:152 Resp: 269163

Ion Ratio Lower Upper

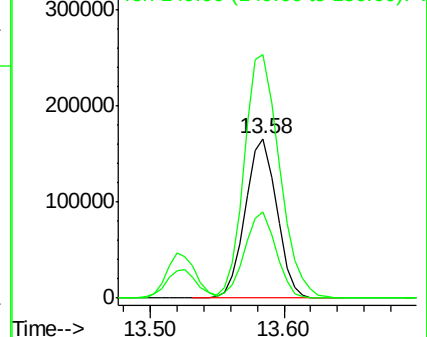
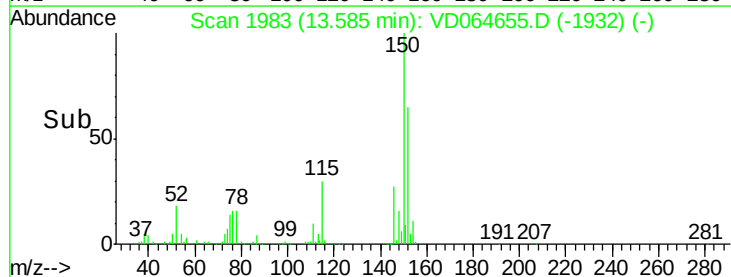
152 100

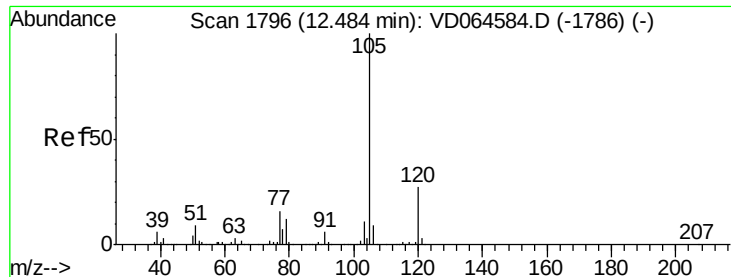
115 54.1 27.8 83.4

150 172.0 0.0 351.4



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

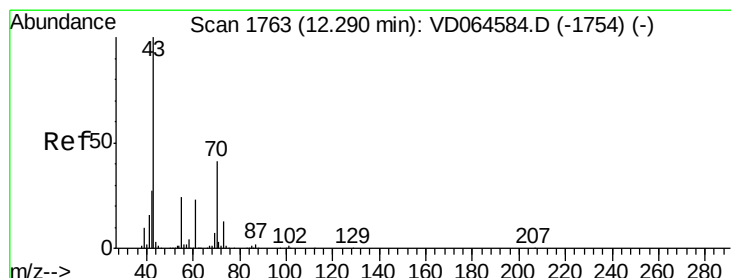
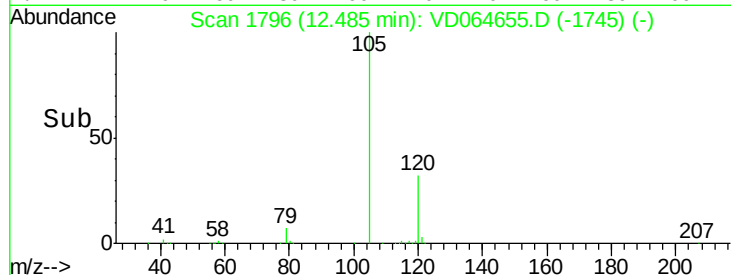
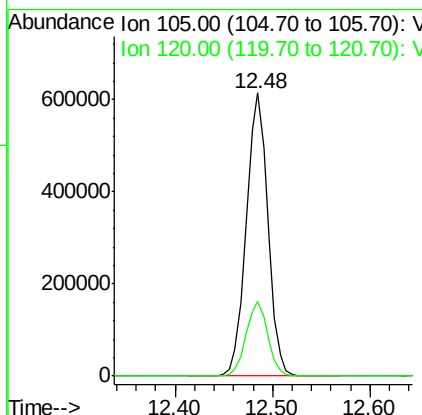
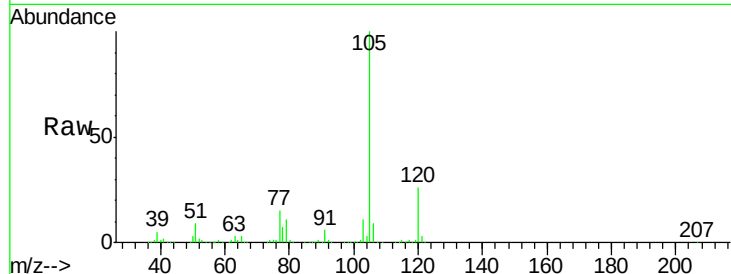




#73
Isopropylbenzene
Concen: 49.562 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

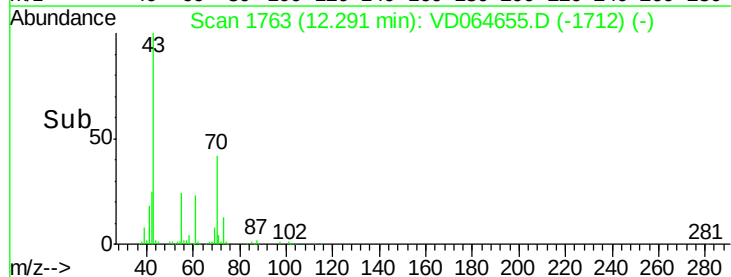
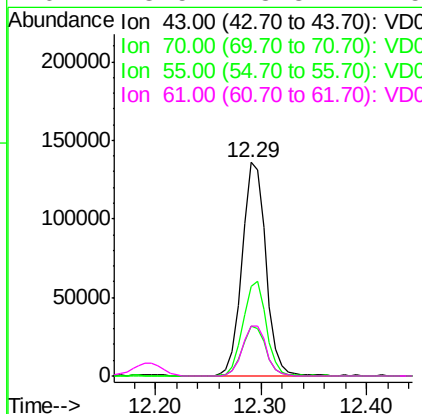
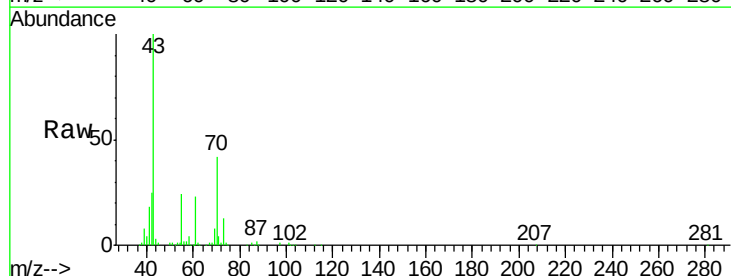
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

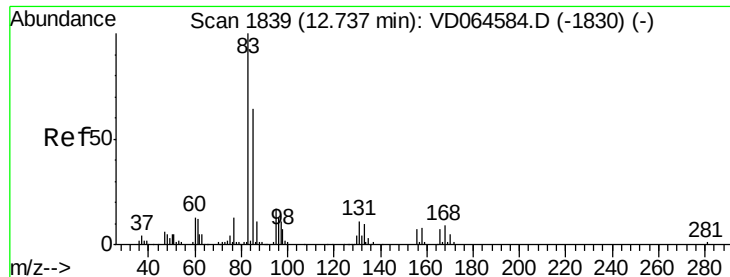
Tgt Ion: 105 Resp: 953315
Ion Ratio Lower Upper
105 100
120 26.4 13.5 40.5



#74
N-ethyl acetate
Concen: 51.634 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 43 Resp: 212305
Ion Ratio Lower Upper
43 100
70 43.3 33.4 50.0
55 23.4 19.4 29.0
61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.578 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

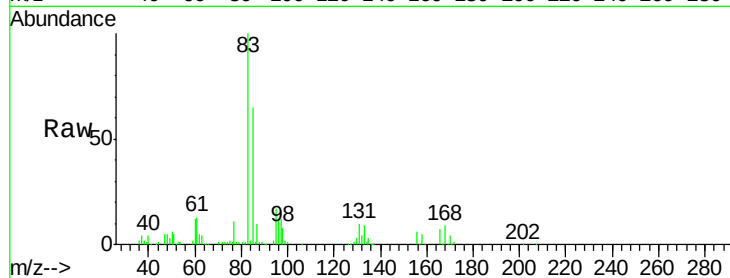
Tgt Ion: 83 Resp: 149806

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.4

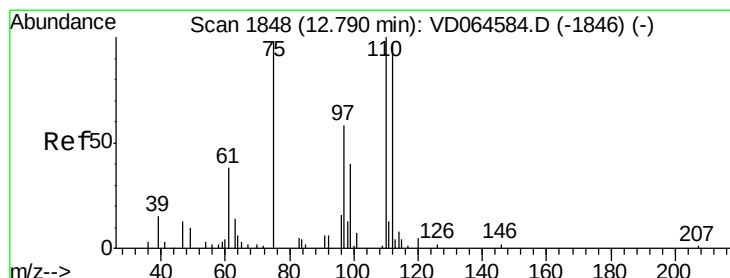
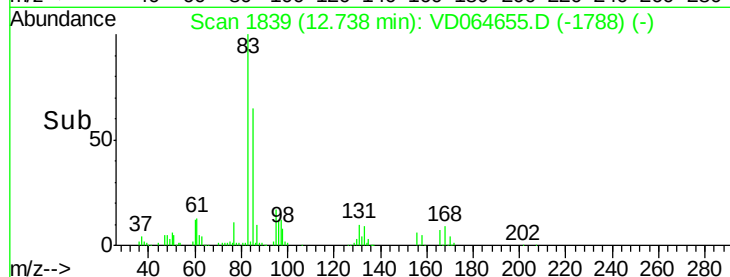
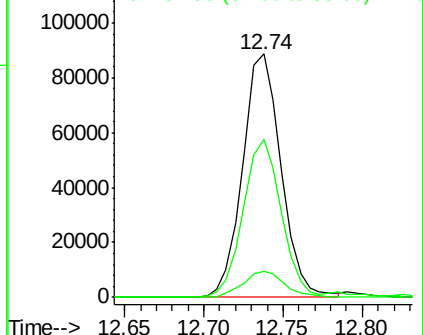
85 64.1 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 93.165 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064655.D

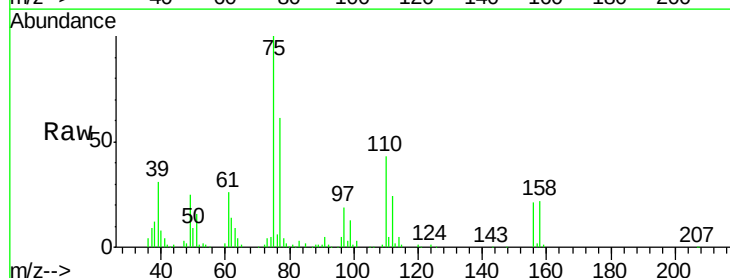
Acq: 27 Dec 2019 20:36

Tgt Ion: 75 Resp: 198021

Ion Ratio Lower Upper

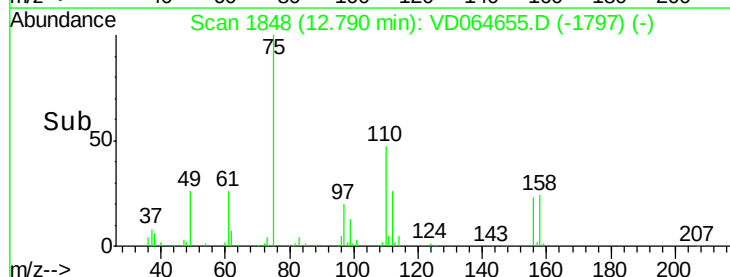
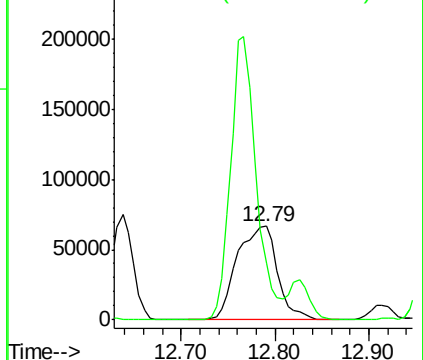
75 100

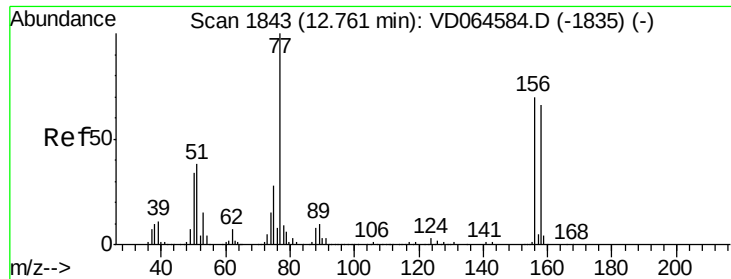
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.226 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

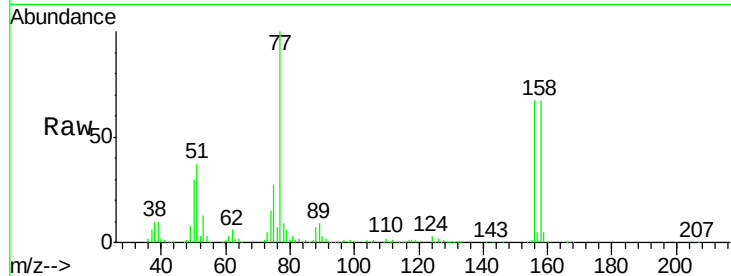
Tgt Ion:156 Resp: 232659

Ion Ratio Lower Upper

156 100

77 164.5 80.9 242.7

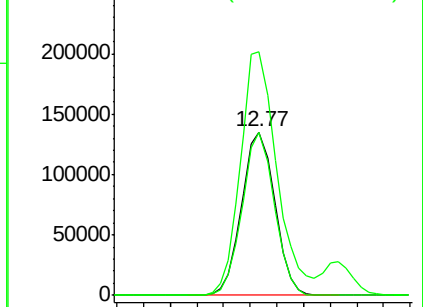
158 96.6 48.0 144.2



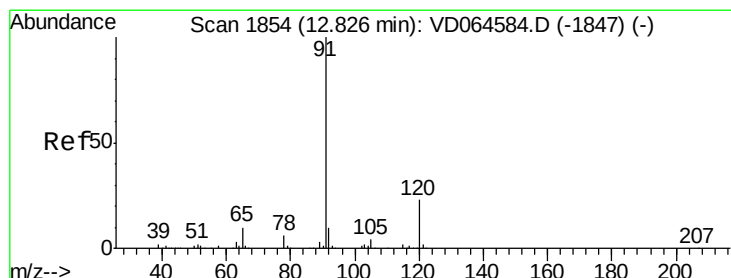
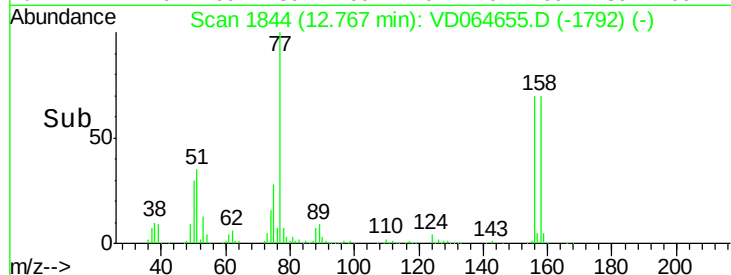
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 49.225 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064655.D

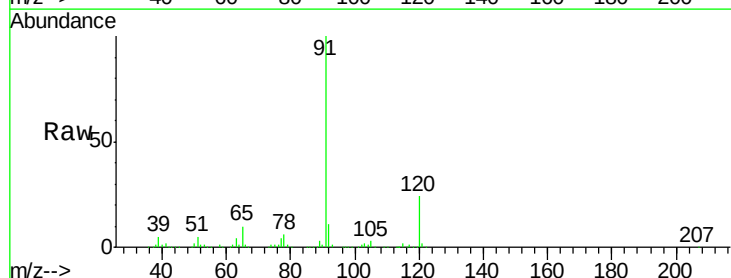
Acq: 27 Dec 2019 20:36

Tgt Ion: 91 Resp: 1104617

Ion Ratio Lower Upper

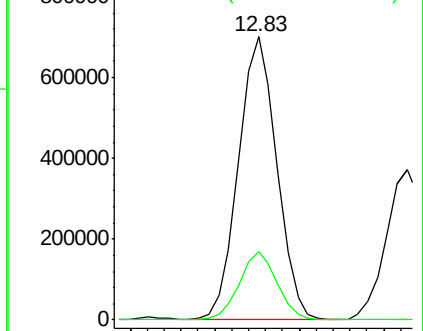
91 100

120 23.5 11.9 35.9

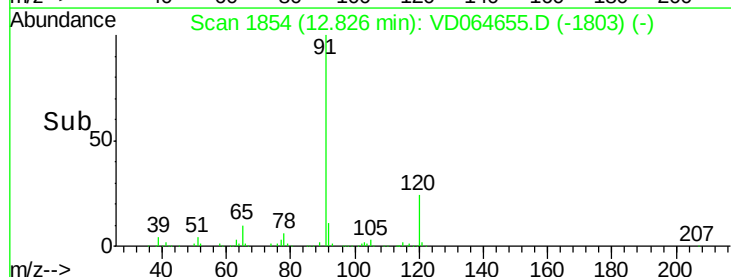


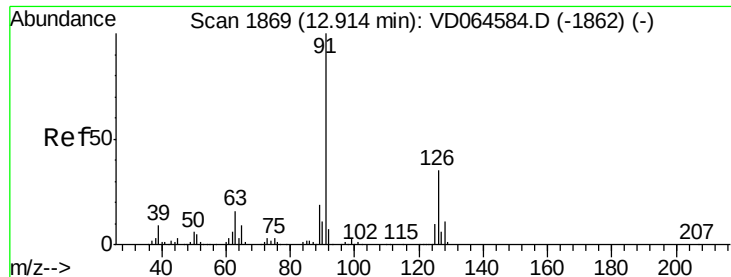
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 49.407 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

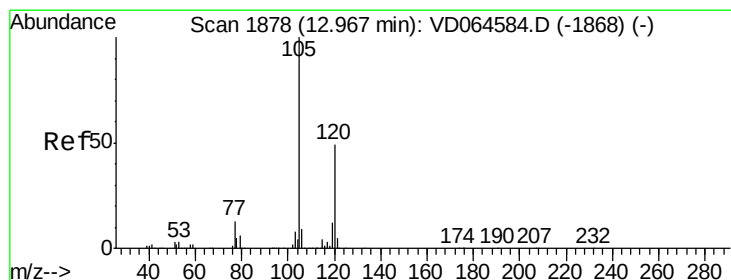
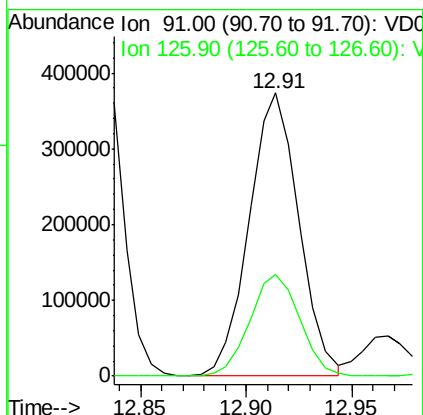
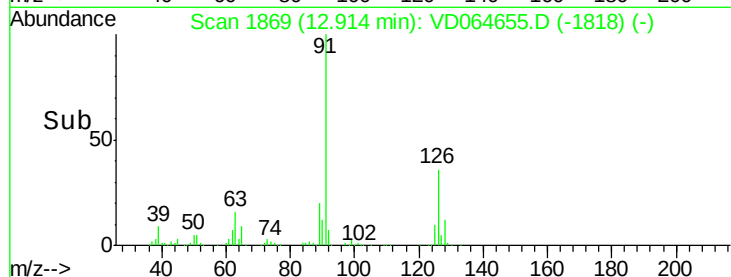
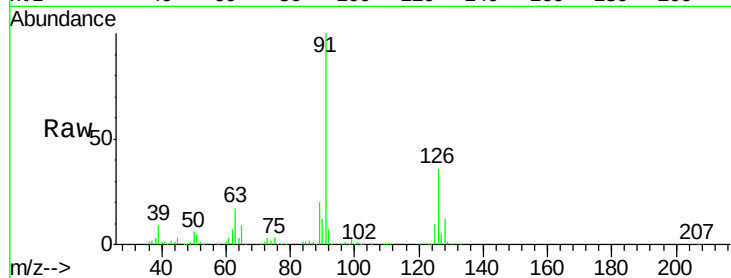
VSTDCCC050EC

Tgt Ion: 91 Resp: 609055

Ion Ratio Lower Upper

91 100

126 36.3 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 49.331 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064655.D

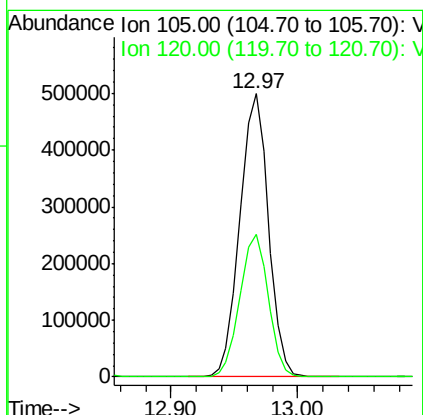
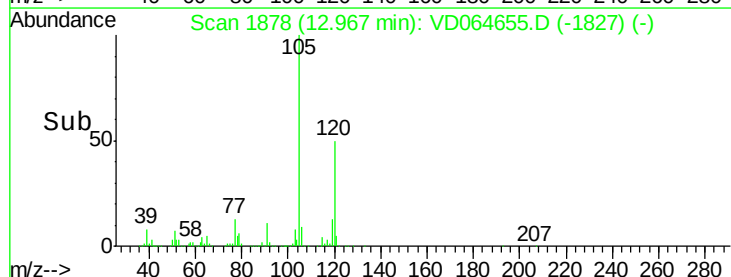
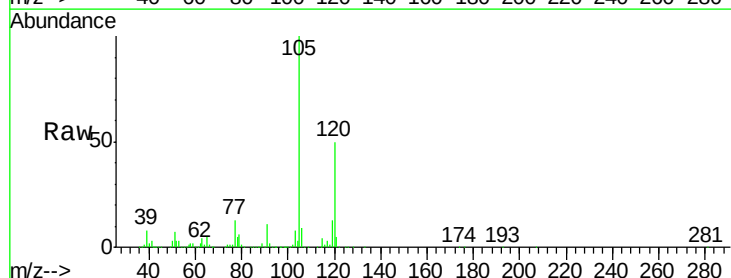
Acq: 27 Dec 2019 20:36

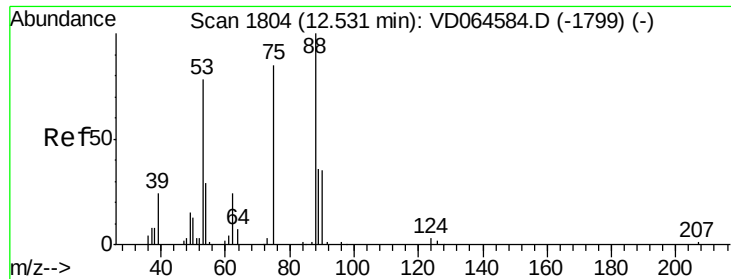
Tgt Ion: 105 Resp: 779455

Ion Ratio Lower Upper

105 100

120 50.6 25.0 75.0

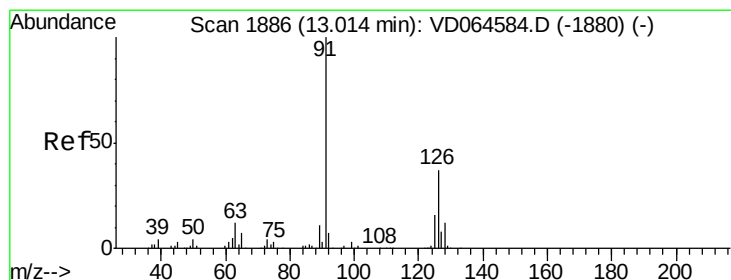
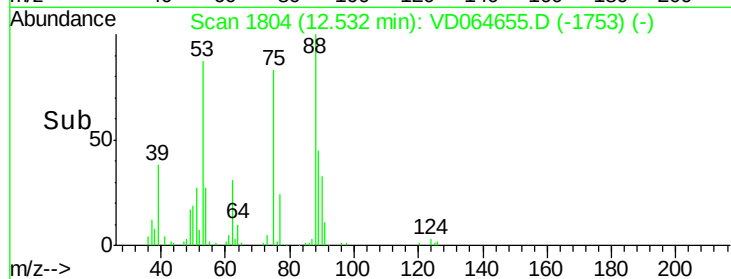
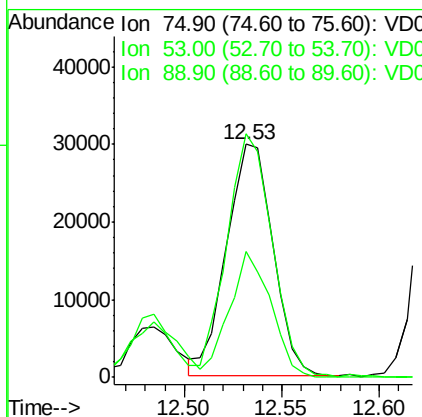
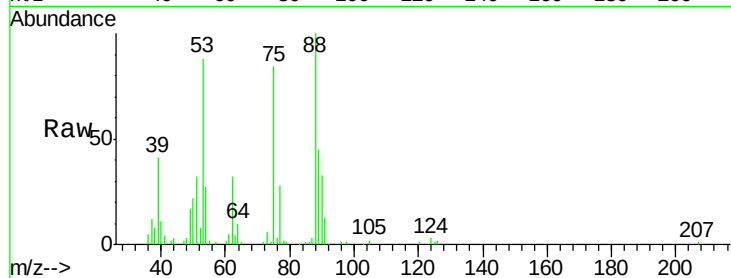




#81
trans-1,4-Dichloro-2-butene
Concen: 48.559 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

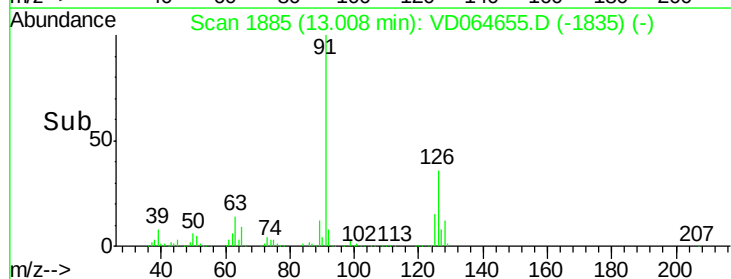
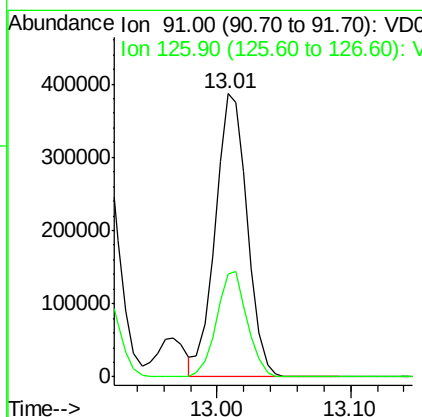
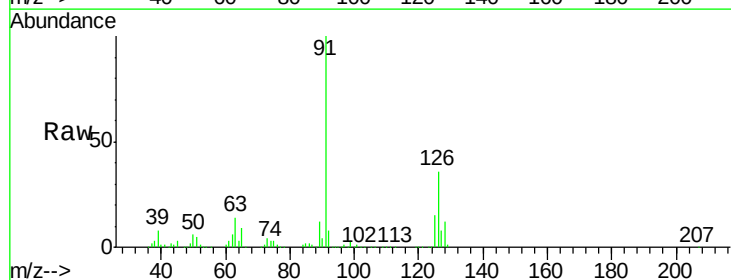
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

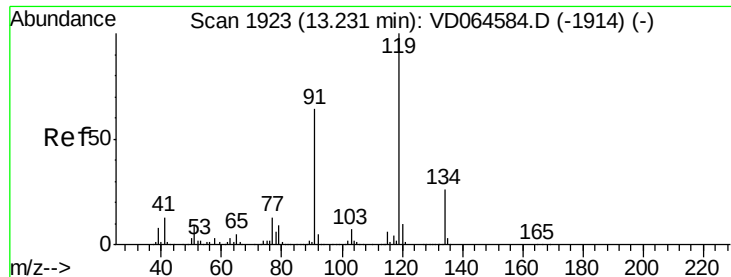
Tgt Ion: 75 Resp: 49349
Ion Ratio Lower Upper
75 100
53 103.2 78.8 118.2
89 48.4 38.3 57.5



#82
4-Chlorotoluene
Concen: 49.367 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 91 Resp: 647628
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.5

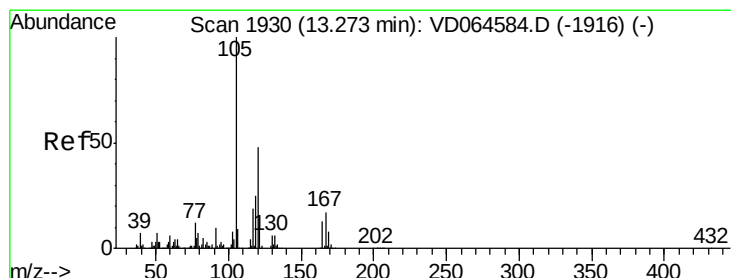
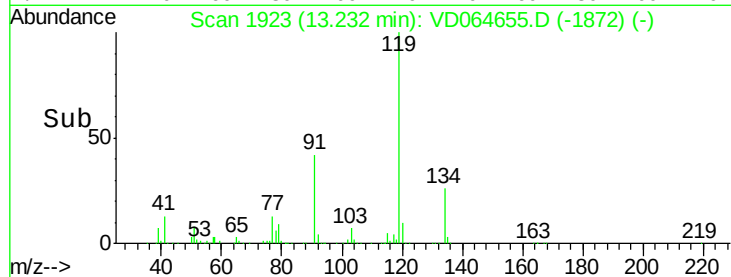
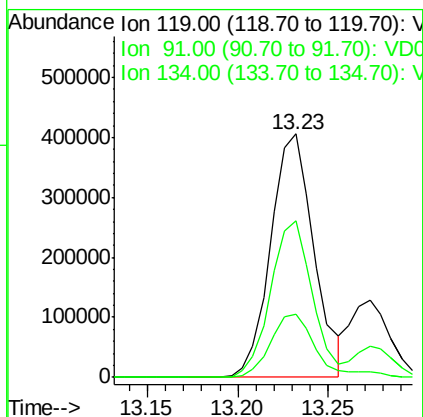
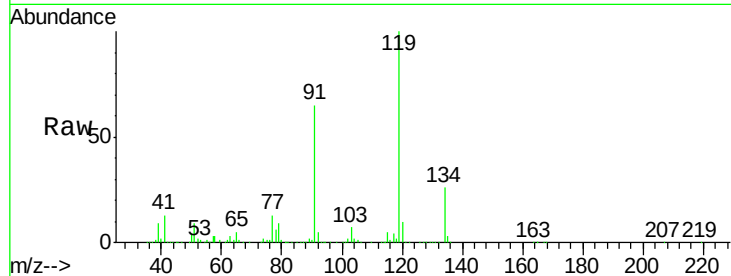




#83
 tert-Butylbenzene
 Concen: 49.243 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

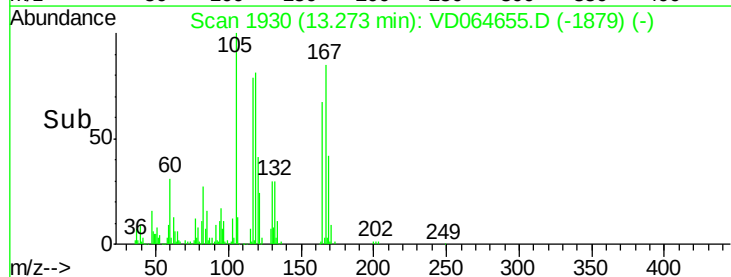
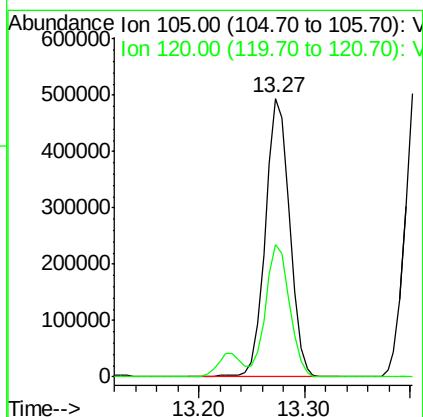
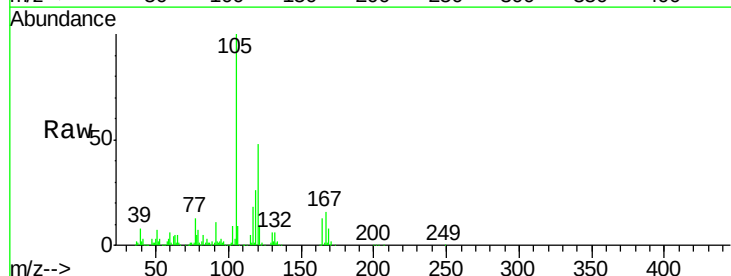
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

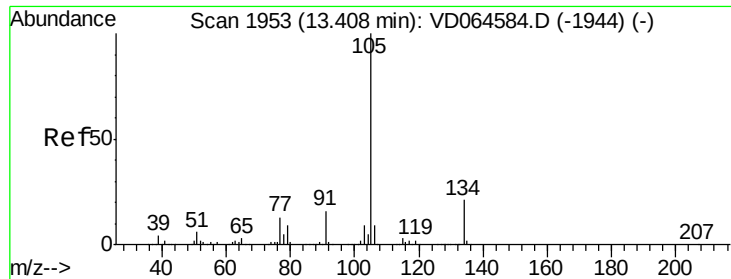
Tgt Ion:119 Resp: 675556
 Ion Ratio Lower Upper
 119 100
 91 61.9 30.8 92.4
 134 27.6 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 49.949 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion:105 Resp: 786018
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.8 71.2





#85

sec-Butylbenzene

Concen: 49.041 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

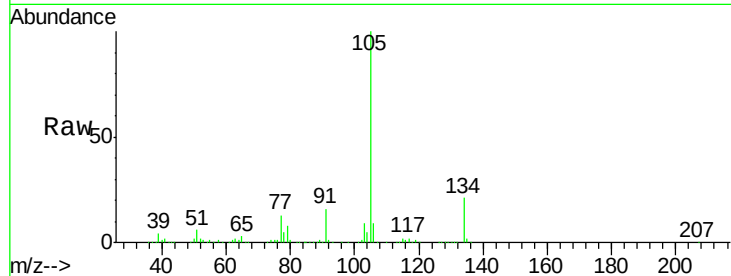
VSTDCCC050EC

Tgt Ion:105 Resp: 922361

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

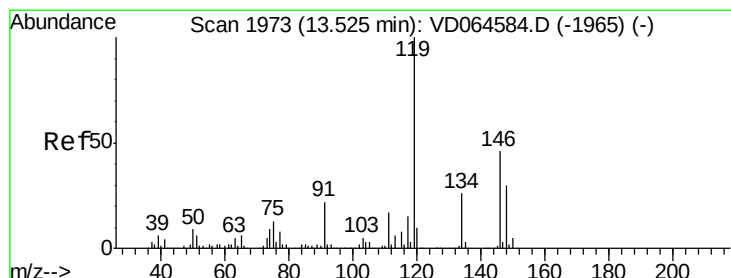
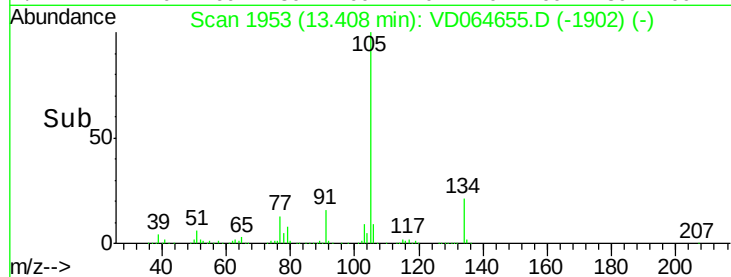
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 49.383 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

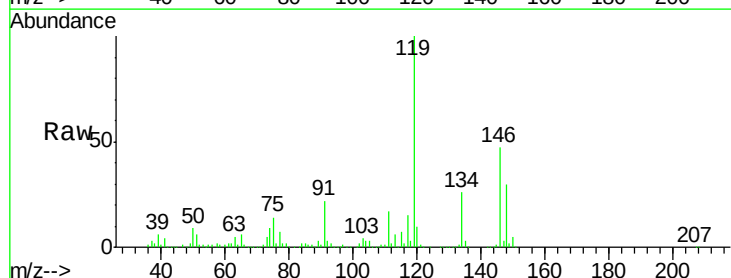
Tgt Ion:119 Resp: 888091

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 22.2 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

800000

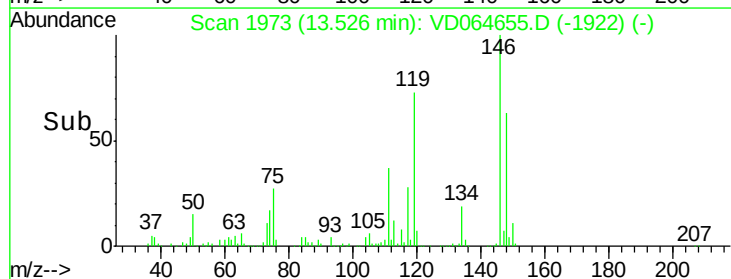
600000

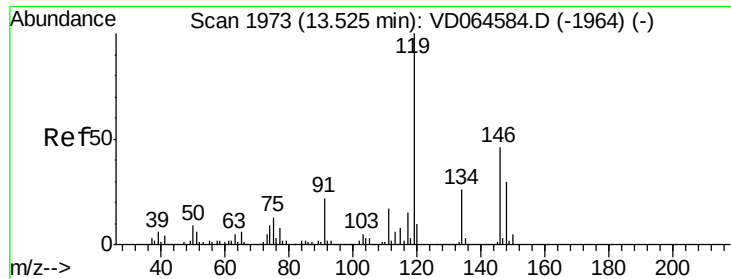
400000

200000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 50.032 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

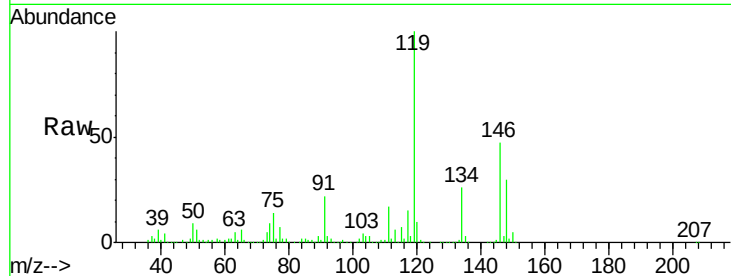
Tgt Ion:146 Resp: 450788

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

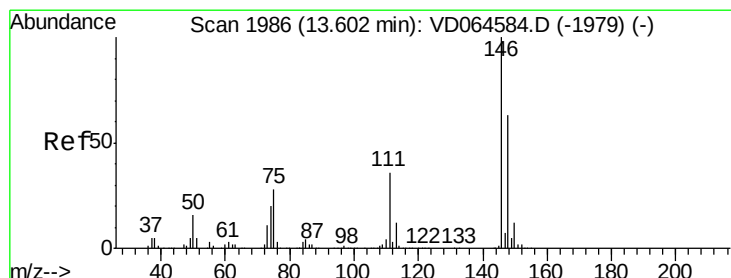
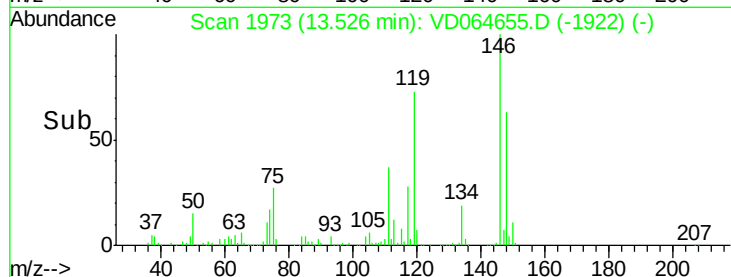
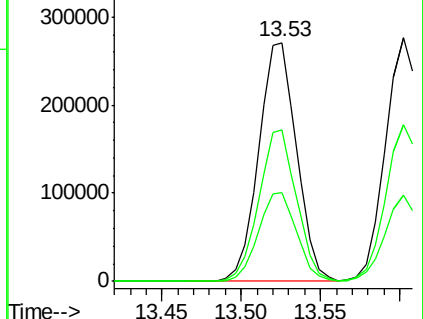
148 63.0 32.5 97.5



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: 49.910 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

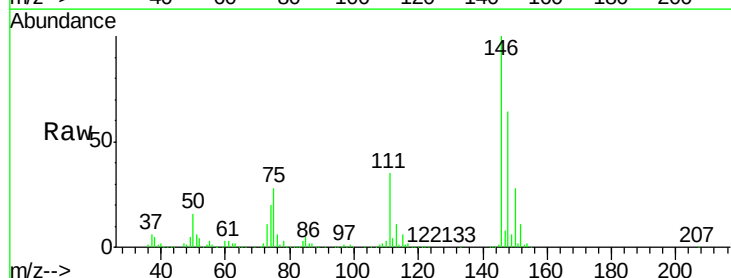
Tgt Ion:146 Resp: 441762

Ion Ratio Lower Upper

146 100

111 35.2 18.1 54.1

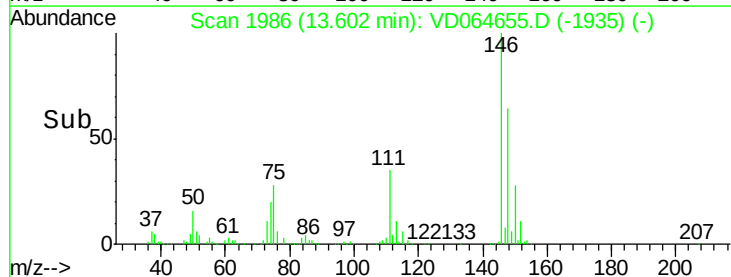
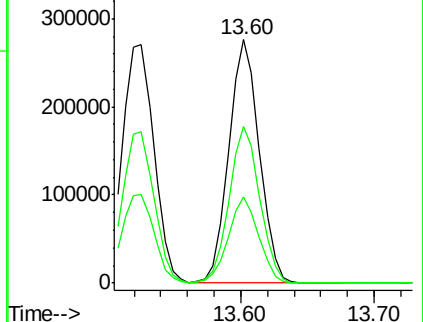
148 64.3 32.3 96.9

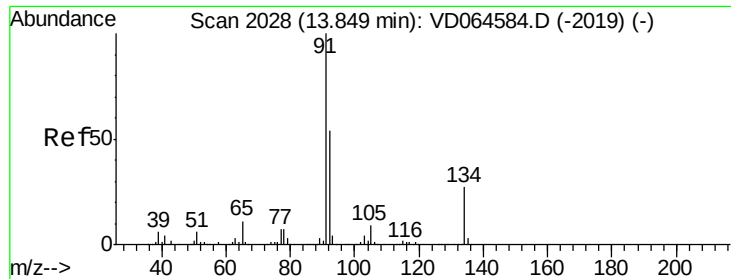


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

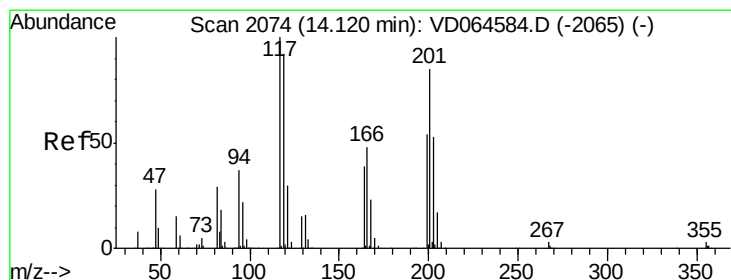
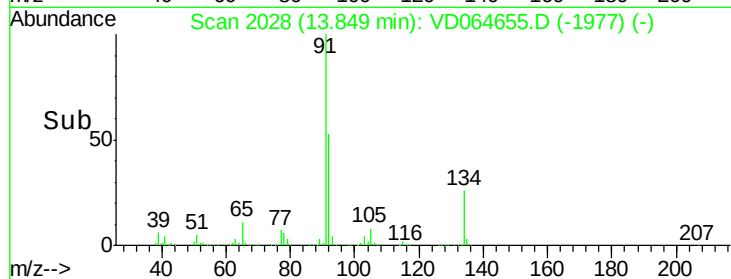
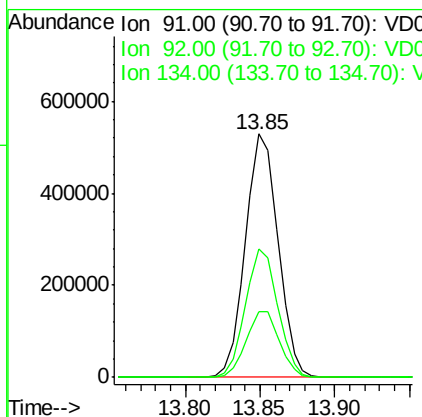
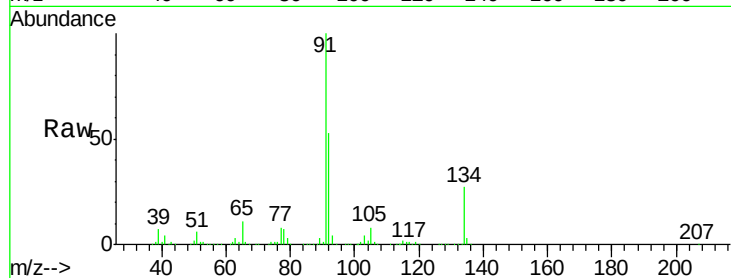




#89
n-Butylbenzene
Concen: 49.463 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

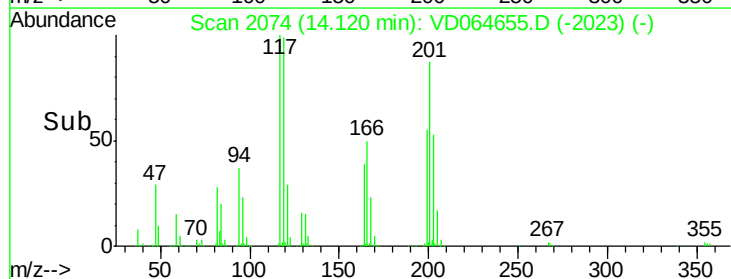
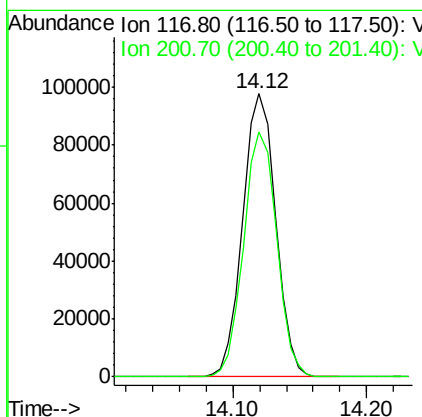
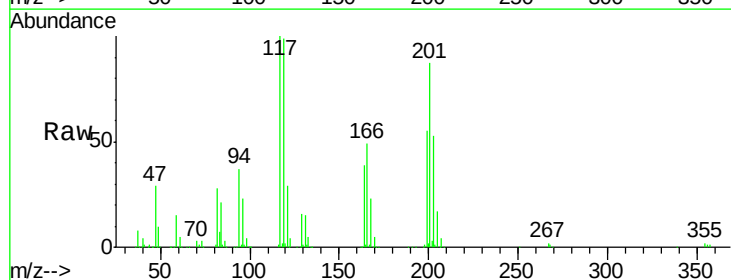
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

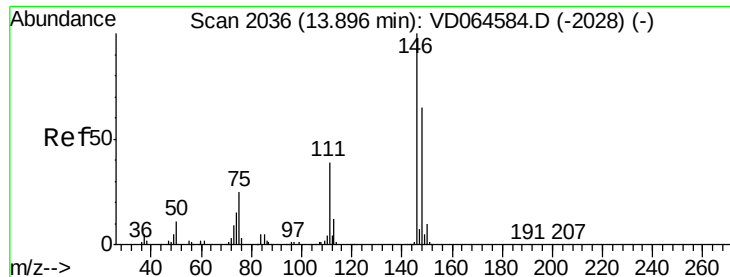
Tgt Ion: 91 Resp: 801057
Ion Ratio Lower Upper
91 100
92 52.5 26.8 80.4
134 27.4 14.0 41.9



#90
Hexachloroethane
Concen: 48.604 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 117 Resp: 166969
Ion Ratio Lower Upper
117 100
201 86.7 44.0 131.8

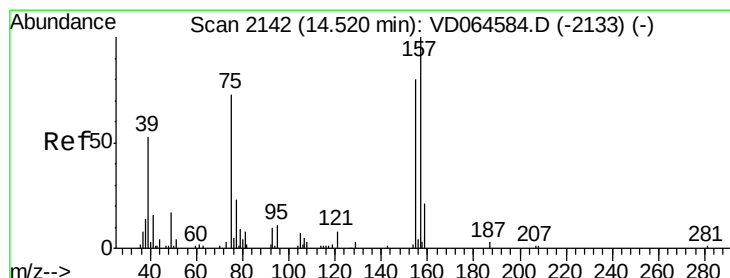
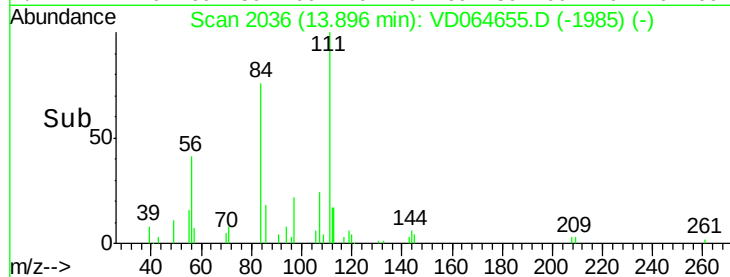
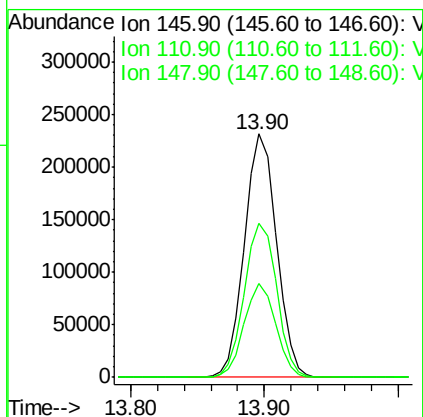
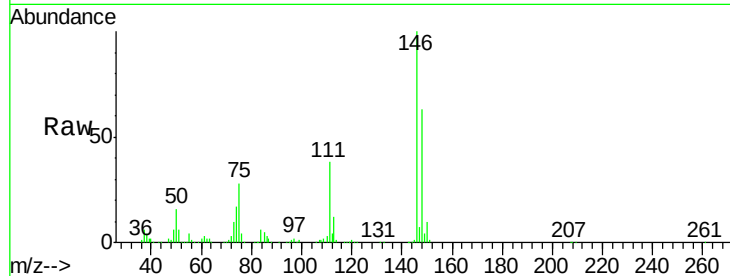




#91
 1,2-Dichlorobenzene
 Concen: 49.968 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

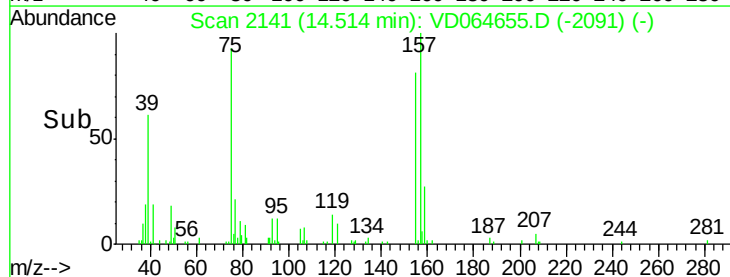
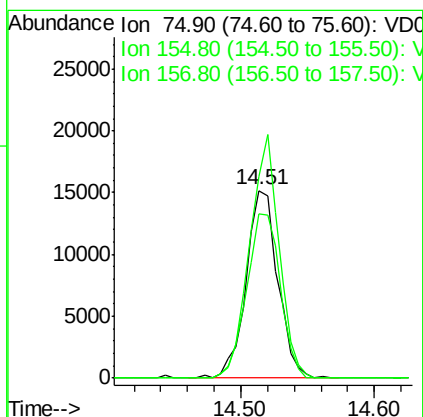
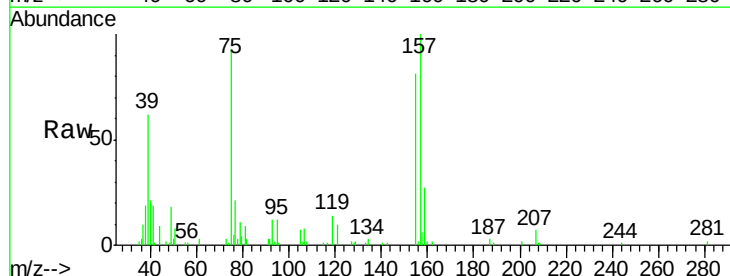
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

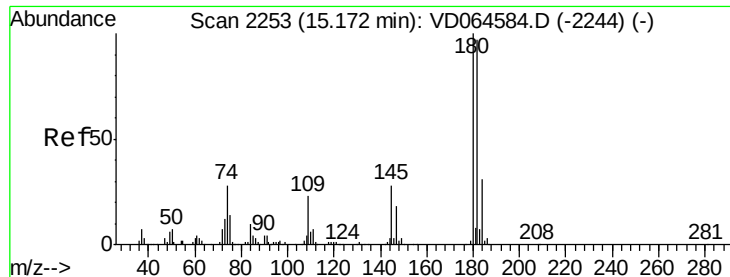
Tgt Ion: 146 Resp: 383893
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.3 57.9
 148 64.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.349 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 75 Resp: 24663
 Ion Ratio Lower Upper
 75 100
 155 93.0 48.0 144.0
 157 120.5 64.1 192.3

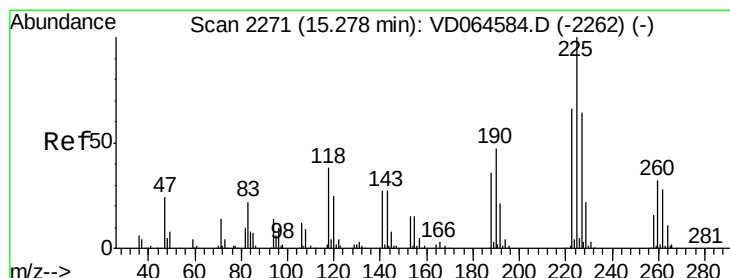
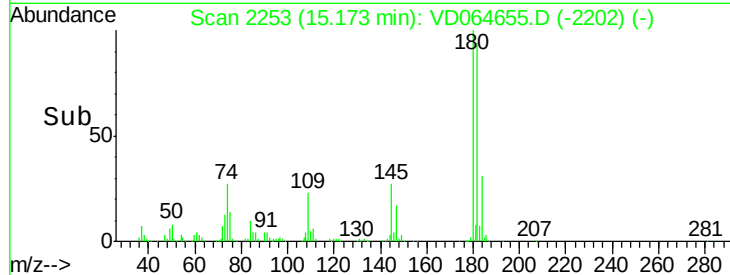
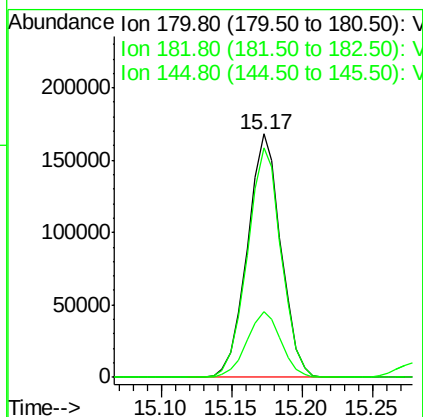
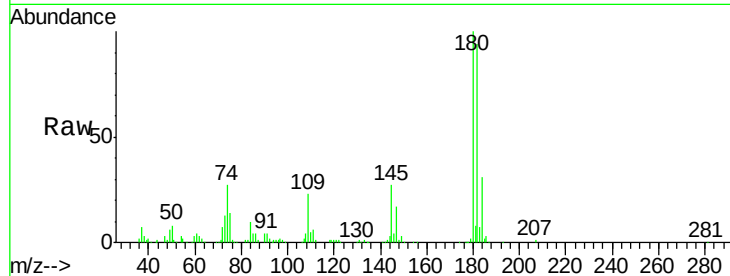




#93
 1,2,4-Trichlorobenzene
 Concen: 49.377 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

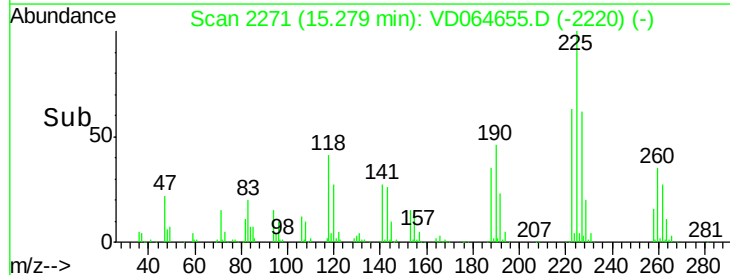
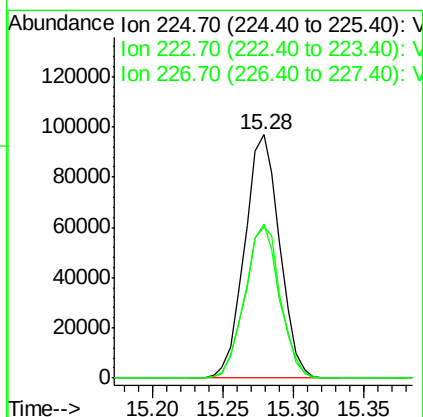
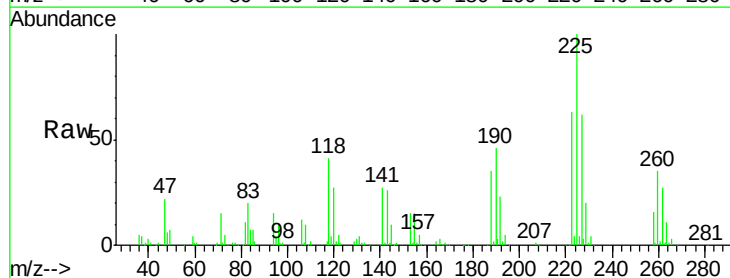
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

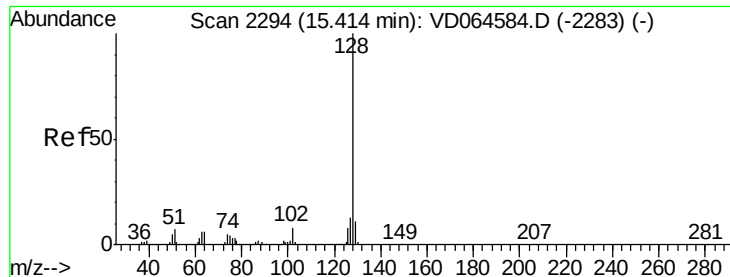
Tgt Ion:180 Resp: 279324
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.0 144.2
 145 27.4 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 47.223 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion:225 Resp: 168104
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.2
 227 63.6 30.9 92.7

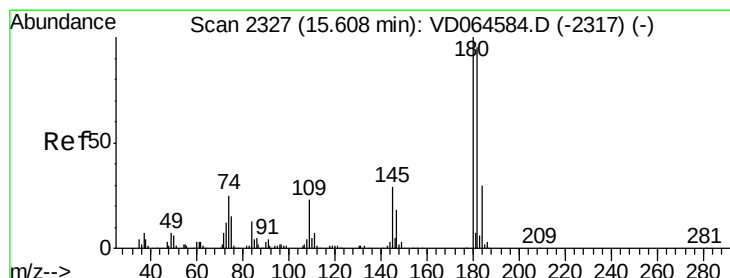
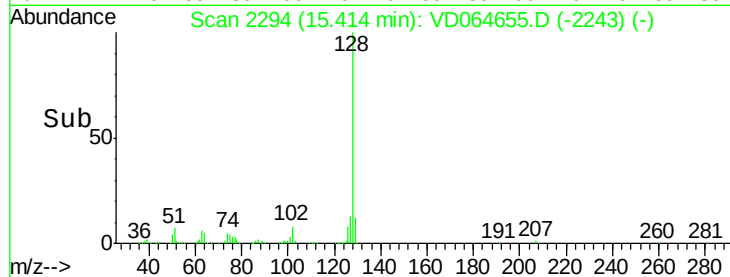
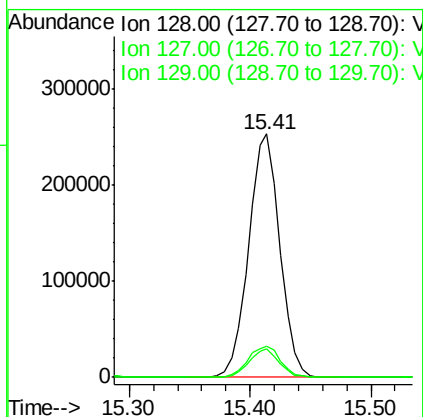
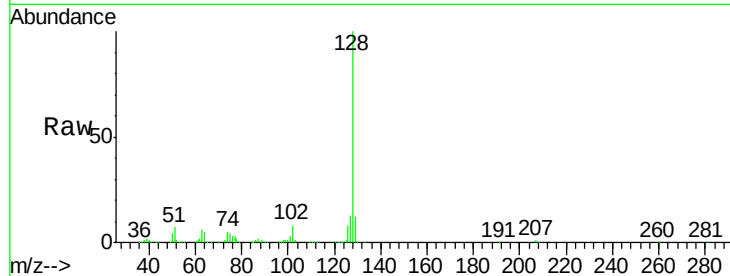




#95
Naphthalene
Concen: 50.805 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 454671
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 49.064 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion:180 Resp: 236949
Ion Ratio Lower Upper
180 100
182 95.6 47.9 143.7
145 30.3 14.9 44.7

