

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012920\
 Data File : VD064988.D
 Acq On : 29 Jan 2020 10:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 29 15:35:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	504891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	718765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	631402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	229951	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.92	113	224109	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.34	98	880039	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.64	95	268499	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	199331	52.41	ug/l	99
3) Chloromethane	2.21	50	280153	50.25	ug/l	99
4) Vinyl Chloride	2.36	62	323803	50.57	ug/l	99
5) Bromomethane	2.77	94	200350	46.52	ug/l	100
6) Chloroethane	2.93	64	205477	48.68	ug/l	99
7) Trichlorofluoromethane	3.27	101	499678	50.53	ug/l	97
8) Diethyl Ether	3.71	74	111082	49.76	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	239989	52.17	ug/l	98
10) Methyl Iodide	4.29	142	259072	53.05	ug/l	100
11) Tert butyl alcohol	5.25	59	59869	223.70	ug/l	96
12) 1,1-Dichloroethene	4.06	96	230568	52.46	ug/l	95
13) Acrolein	3.93	56	92119	274.57	ug/l	94
14) Allyl chloride	4.71	41	371553	53.01	ug/l	100
15) Acrylonitrile	5.43	53	234605	242.69	ug/l	99
16) Acetone	4.17	43	278743	242.37	ug/l	100
17) Carbon Disulfide	4.40	76	734546	50.78	ug/l	98
18) Methyl Acetate	4.73	43	105419	46.48	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	500646	50.98	ug/l	99
20) Methylene Chloride	4.96	84	270241	58.47	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	260253	51.40	ug/l	94
22) Diisopropyl ether	6.37	45	735356	52.64	ug/l	97
23) Vinyl Acetate	6.31	43	2097128	256.41	ug/l	99
24) 1,1-Dichloroethane	6.27	63	450180	52.49	ug/l	97
25) 2-Butanone	7.22	43	322090	246.17	ug/l	98
26) 2,2-Dichloropropane	7.21	77	419994	53.99	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	280759	51.95	ug/l	98
28) Bromochloromethane	7.55	49	175813	51.25	ug/l	99
29) Tetrahydrofuran	7.57	42	189923	235.26	ug/l	100
30) Chloroform	7.71	83	458481	51.71	ug/l	99
31) Cyclohexane	7.98	56	416533	49.37	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	429164	52.03	ug/l	98
36) 1,1-Dichloropropene	8.11	75	375101	54.12	ug/l	99
37) Ethyl Acetate	7.30	43	137846	48.15	ug/l	99
38) Carbon Tetrachloride	8.10	117	400329	54.65	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	442159	54.57	ug/l	96
40) Benzene	8.36	78	1019533	53.41	ug/l	98
41) Methacrylonitrile	7.53	41	89986	58.35	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	294256	51.75	ug/l	100
43) Isopropyl Acetate	8.46	43	269394	49.54	ug/l	99
44) Trichloroethene	9.11	130	288837	54.07	ug/l	95
45) 1,2-Dichloropropane	9.39	63	244363	52.81	ug/l	100
46) Dibromomethane	9.48	93	127475	50.46	ug/l	99
47) Bromodichloromethane	9.67	83	349568	53.17	ug/l	100
48) Methyl methacrylate	9.46	41	127308	50.87	ug/l	98
49) 1,4-Dioxane	9.47	88	28438	970.54	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	666761	245.04	ug/l	100
52) Toluene	10.41	92	664249	53.97	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	329981	52.69	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	394095	53.75	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	170966	50.24	ug/l	96
56) Ethyl methacrylate	10.67	69	214957	52.82	ug/l	98
57) 1,3-Dichloropropane	10.95	76	306362	52.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	322019	238.18	ug/l	99
59) 2-Hexanone	10.99	43	494805	263.63	ug/l	100
60) Dibromochloromethane	11.14	129	230443	50.66	ug/l	97
61) 1,2-Dibromoethane	11.25	107	167520	51.12	ug/l	96
64) Tetrachloroethene	10.88	164	241138	52.85	ug/l	95
65) Chlorobenzene	11.67	112	684992	53.43	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	259808	53.89	ug/l	99
67) Ethyl Benzene	11.75	91	1262753	55.48	ug/l	98
68) m/p-Xylenes	11.86	106	986424	112.57	ug/l	99
69) o-Xylene	12.18	106	433978	55.80	ug/l	98
70) Styrene	12.20	104	769093	55.51	ug/l	98
71) Bromoform	12.37	173	136200	50.82	ug/l #	99
73) Isopropylbenzene	12.48	105	1199892	57.59	ug/l	100
74) N-amyl acetate	12.30	43	236989	50.83	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	176748	50.47	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	242846	95.98	ug/l #	100
77) Bromobenzene	12.77	156	273044	53.56	ug/l	98
78) n-propylbenzene	12.83	91	1400077	56.50	ug/l	100
79) 2-Chlorotoluene	12.91	91	756341	55.64	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	965987	56.57	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	60295	50.88	ug/l	97
82) 4-Chlorotoluene	13.01	91	793749	55.06	ug/l	99
83) tert-Butylbenzene	13.23	119	810477	55.93	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	968922	56.02	ug/l	100
85) sec-Butylbenzene	13.41	105	1140194	55.58	ug/l	99
86) p-Isopropyltoluene	13.53	119	1088288	56.69	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	535835	54.78	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	514667	53.01	ug/l	100
89) n-Butylbenzene	13.86	91	984371	56.18	ug/l	98
90) Hexachloroethane	14.12	117	201583	54.45	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	440738	53.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27338	48.78	ug/l	98

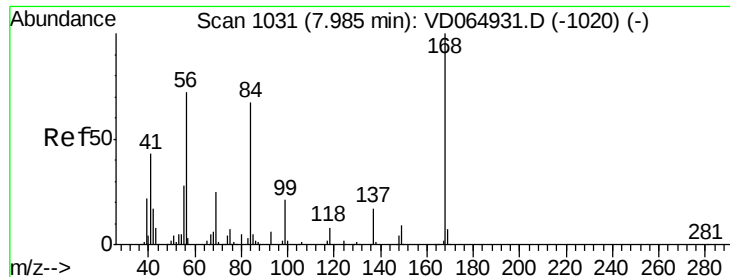
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012920\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	296828	51.67	ug/l	98
94) Hexachlorobutadiene	15.28	225	193663	53.30	ug/l	98
95) Naphthalene	15.41	128	483036	52.10	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	257842	51.76	ug/l	99

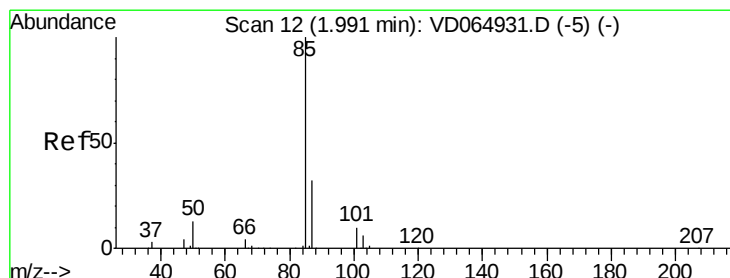
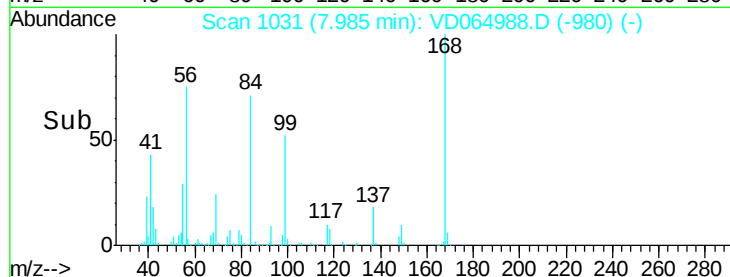
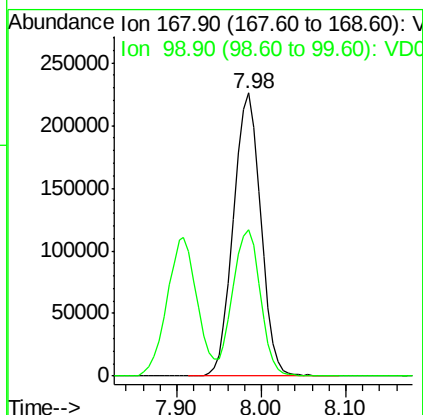
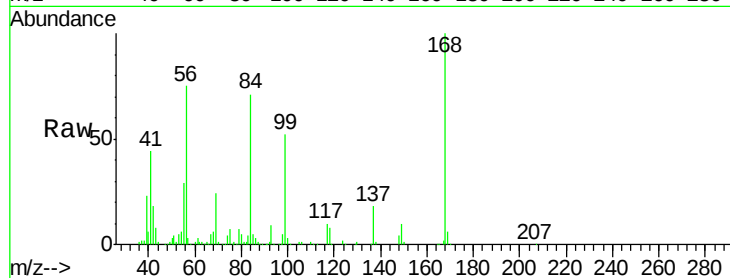
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

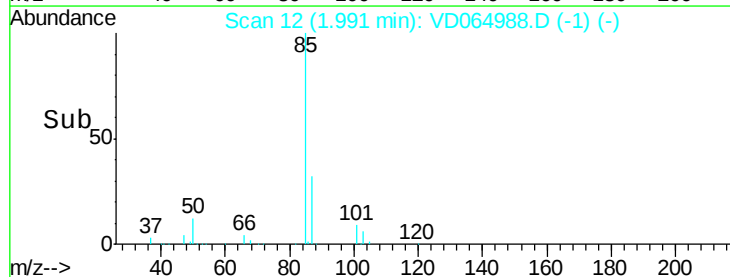
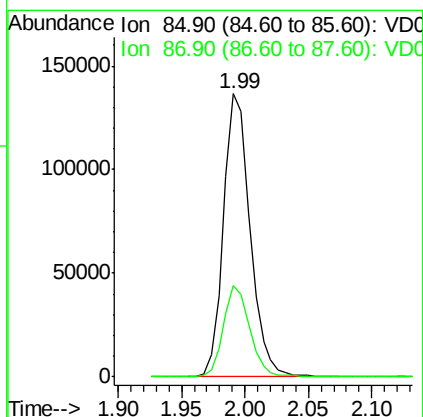
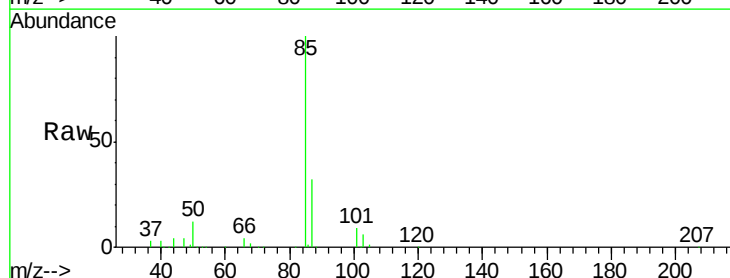
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

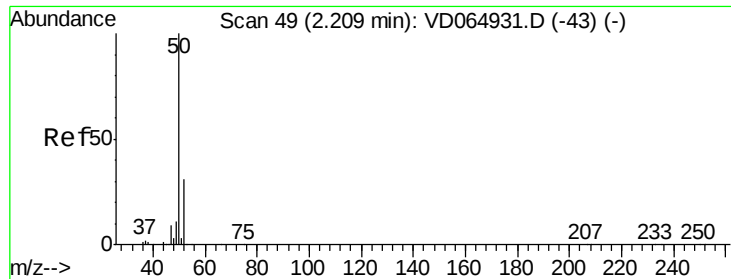
Tgt Ion:168 Resp: 504891
Ion Ratio Lower Upper
168 100
99 51.7 43.3 64.9



#2
Dichlorodifluoromethane
Concen: 52.41 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 85 Resp: 199331
Ion Ratio Lower Upper
85 100
87 32.2 15.8 47.3





#3

Chloromethane

Concen: 50.25 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

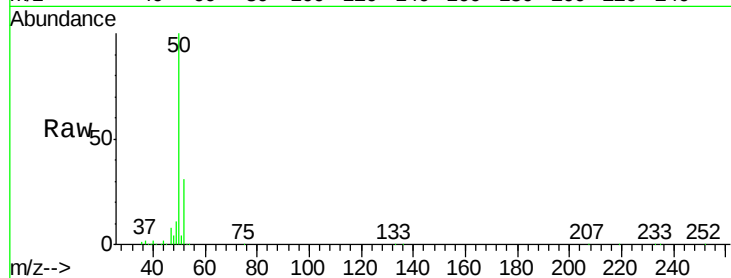
VSTDCCC050

Tgt Ion: 50 Resp: 280153

Ion Ratio Lower Upper

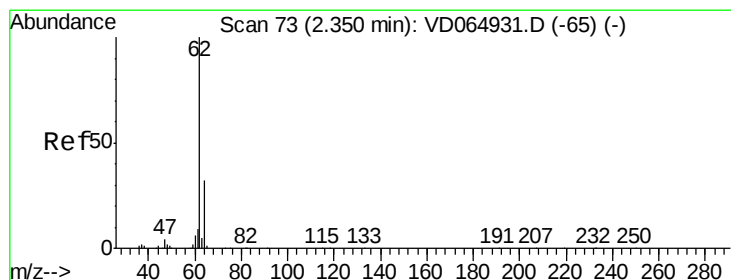
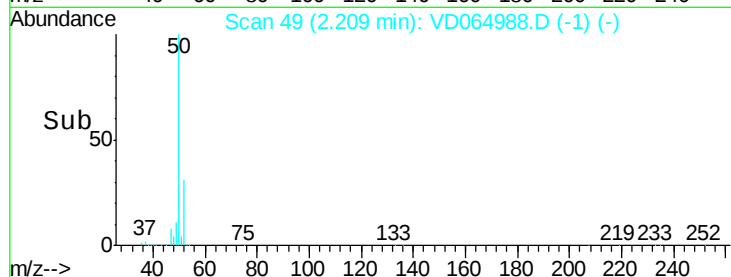
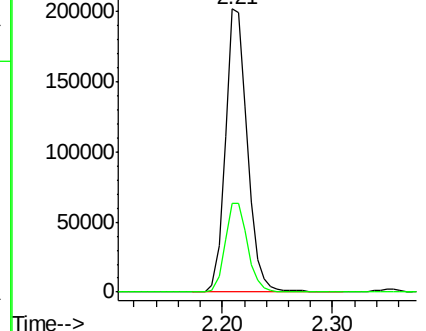
50 100

52 31.2 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.57 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064988.D

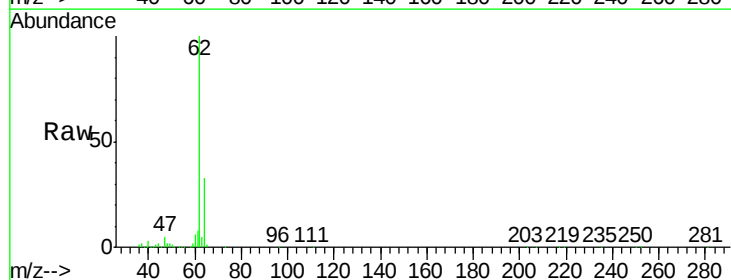
Acq: 29 Jan 2020 10:45

Tgt Ion: 62 Resp: 323803

Ion Ratio Lower Upper

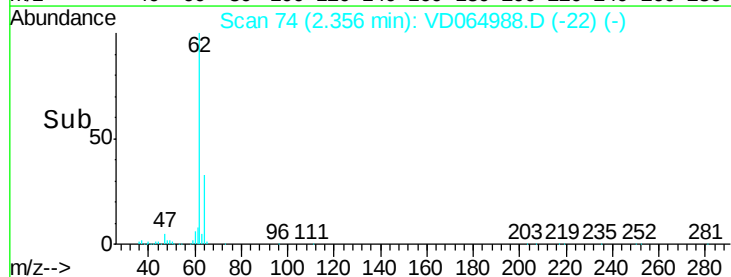
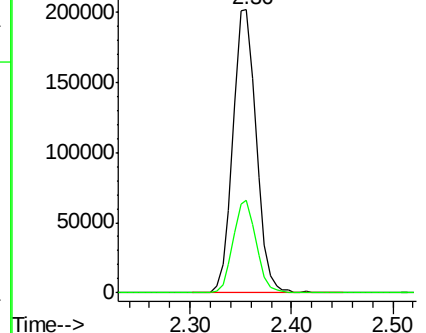
62 100

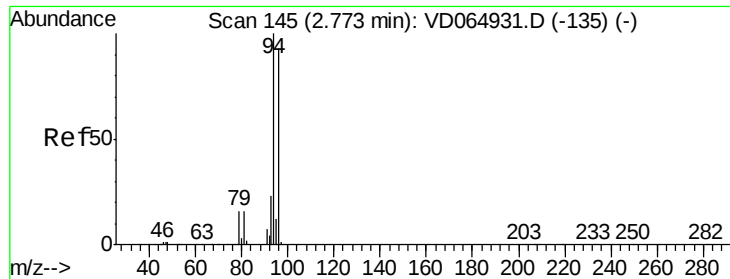
64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.52 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

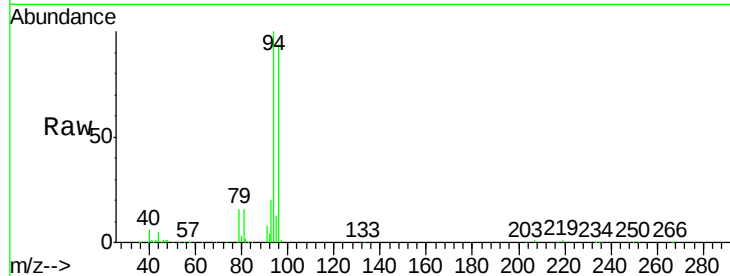
VSTDCCC050

Tgt Ion: 94 Resp: 200350

Ion Ratio Lower Upper

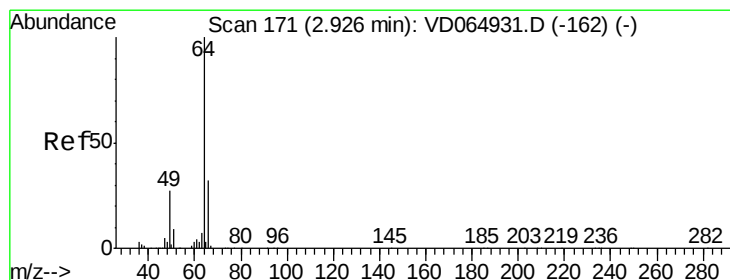
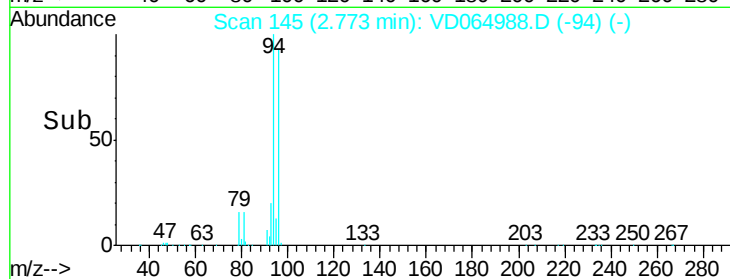
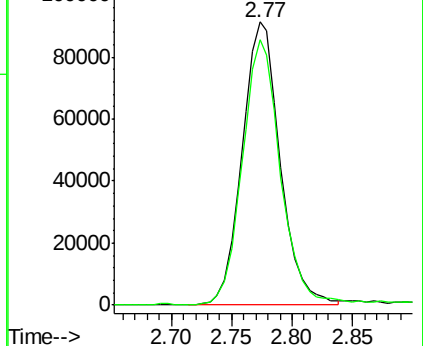
94 100

96 93.2 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.68 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064988.D

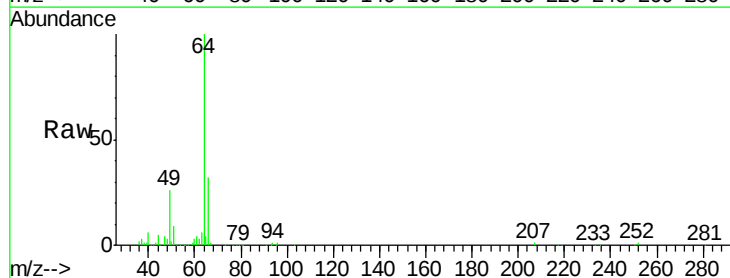
Acq: 29 Jan 2020 10:45

Tgt Ion: 64 Resp: 205477

Ion Ratio Lower Upper

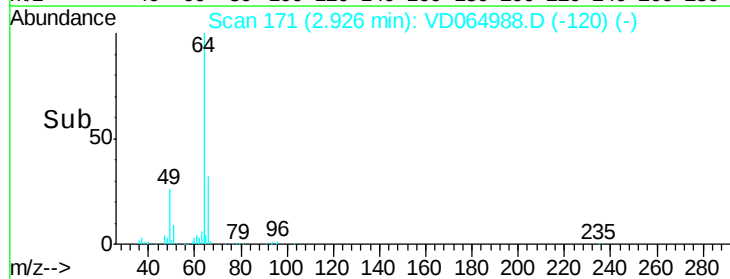
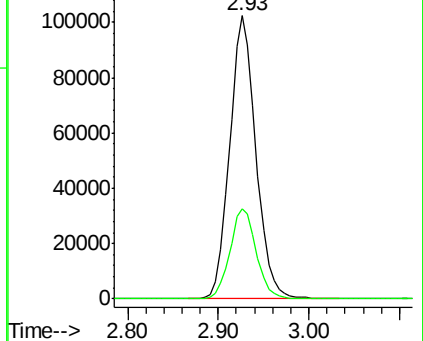
64 100

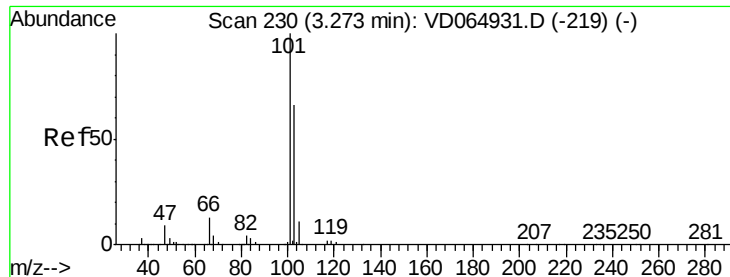
66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 50.53 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

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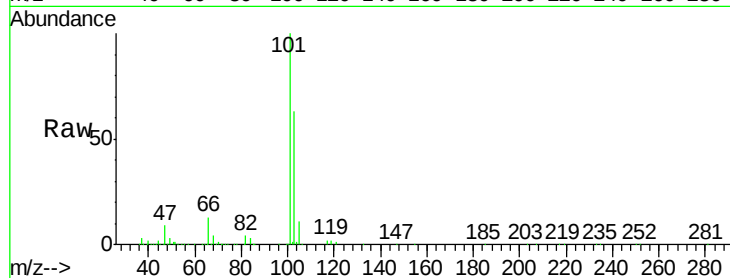
VSTDCCC050

Tgt Ion:101 Resp: 499678

Ion Ratio Lower Upper

101 100

103 63.2 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

250000

200000

150000

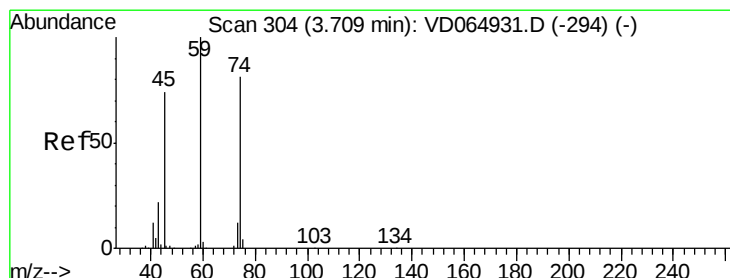
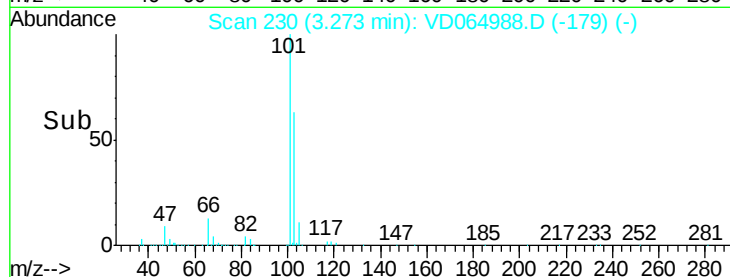
100000

50000

0

Time-->

3.20 3.30 3.40



#8

Diethyl Ether

Concen: 49.76 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD064988.D

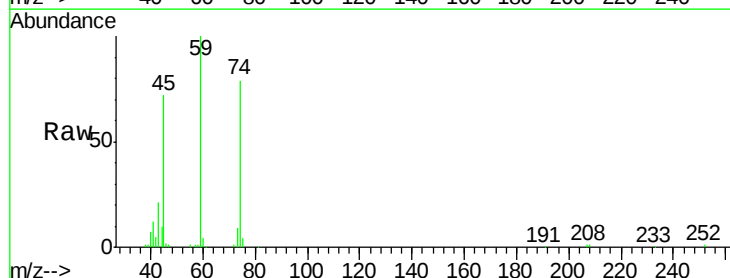
Acq: 29 Jan 2020 10:45

Tgt Ion: 74 Resp: 111082

Ion Ratio Lower Upper

74 100

45 94.5 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.71

50000

40000

30000

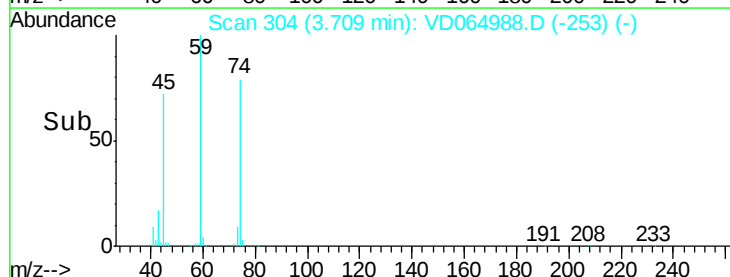
20000

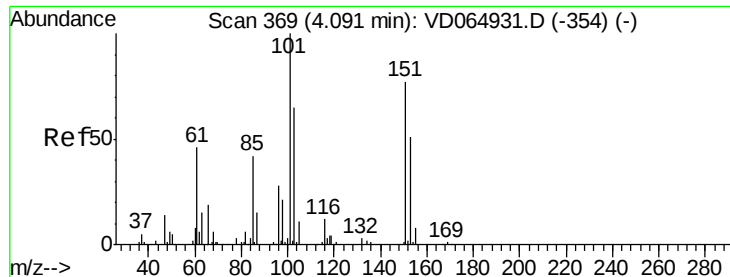
10000

0

Time-->

3.60 3.70 3.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.17 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

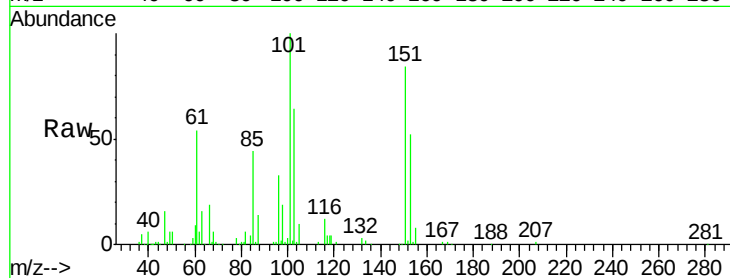
Tgt Ion:101 Resp: 239989

Ion Ratio Lower Upper

101 100

85 44.3 35.0 52.4

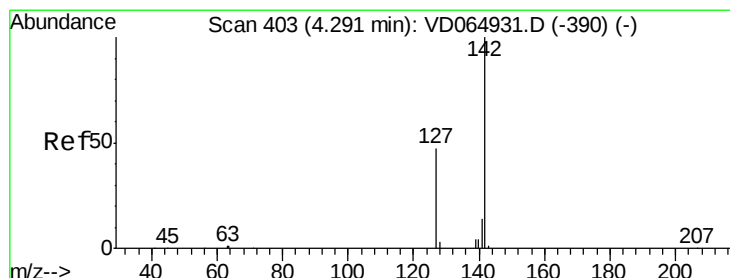
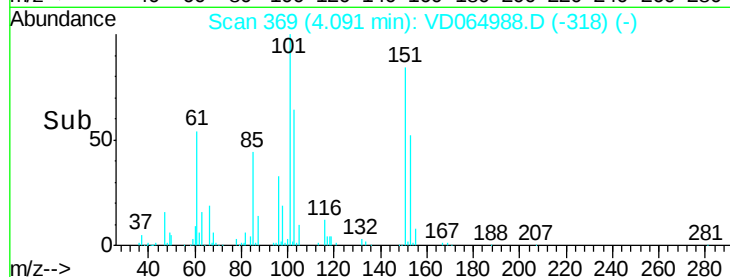
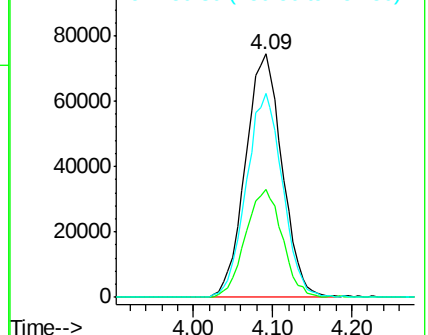
151 82.9 64.6 96.8



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: 53.05 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

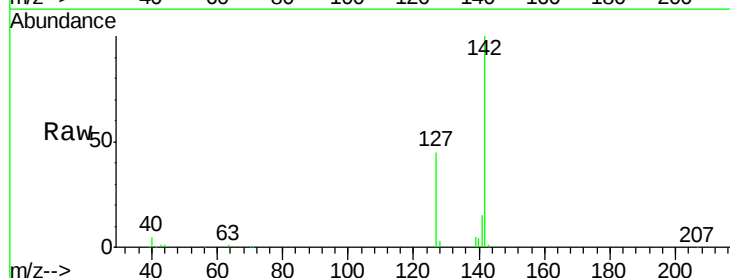
Tgt Ion:142 Resp: 259072

Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.2

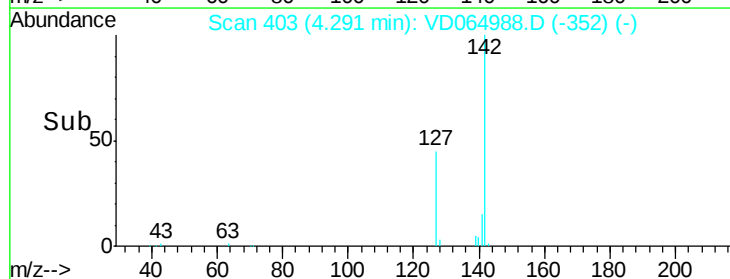
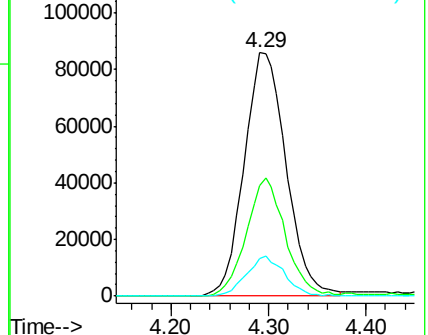
141 15.0 11.6 17.4

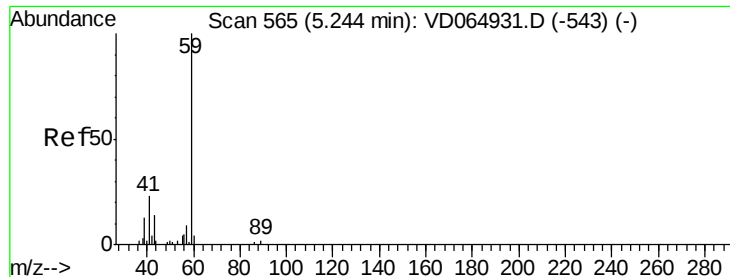


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

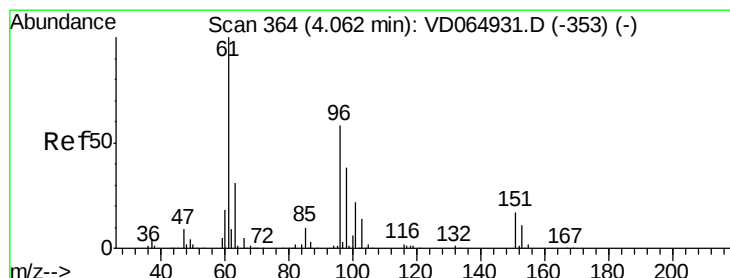
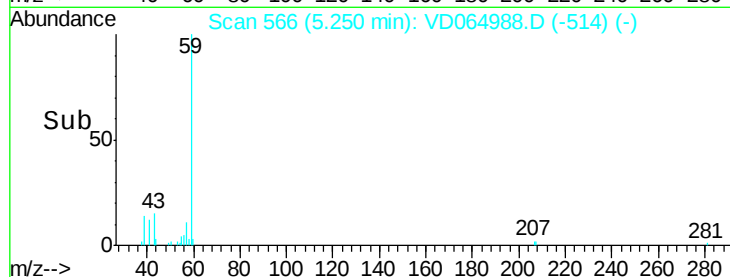
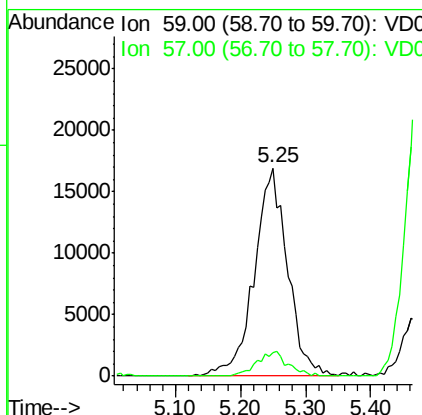
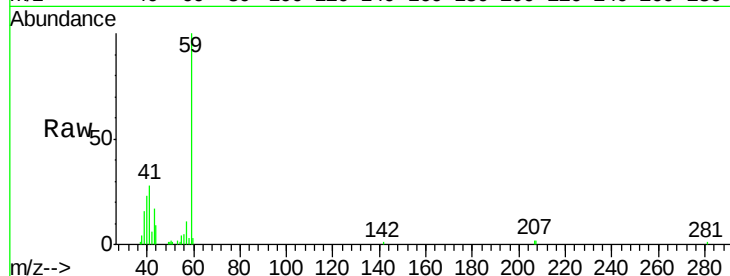




#11
 Tert butyl alcohol
 Concen: 223.70 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

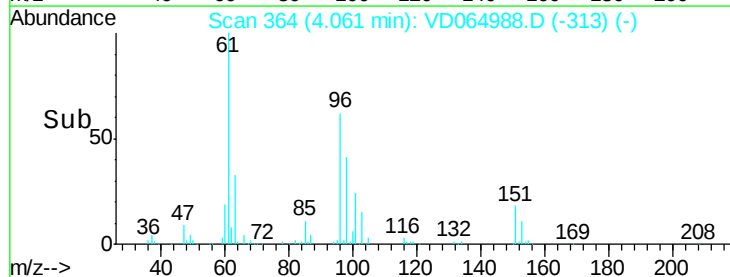
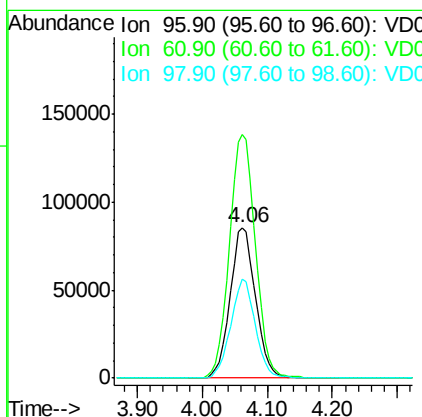
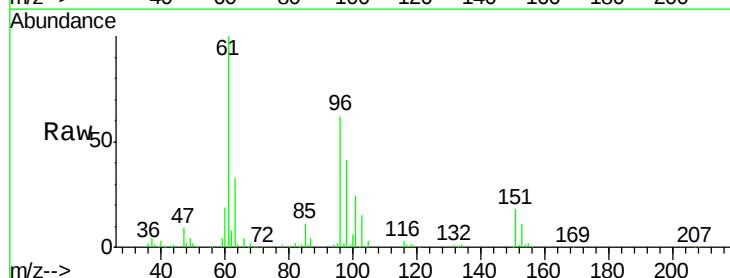
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

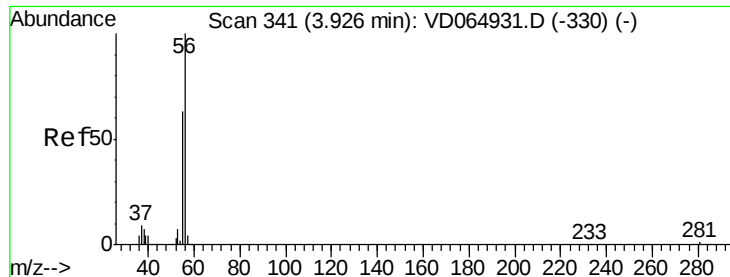
Tgt Ion: 59 Resp: 59869
 Ion Ratio Lower Upper
 59 100
 57 11.0 7.7 11.5



#12
 1,1-Dichloroethene
 Concen: 52.46 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion: 96 Resp: 230568
 Ion Ratio Lower Upper
 96 100
 61 161.9 137.0 205.4
 98 66.2 52.1 78.1





#13

Acrolein

Concen: 274.57 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

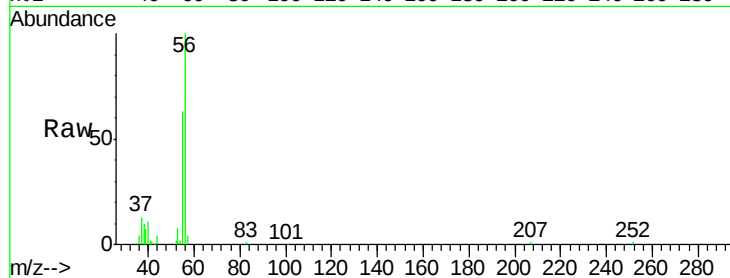
VSTDCCC050

Tgt Ion: 56 Resp: 92119

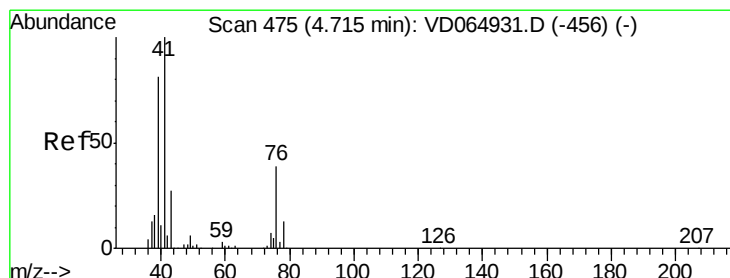
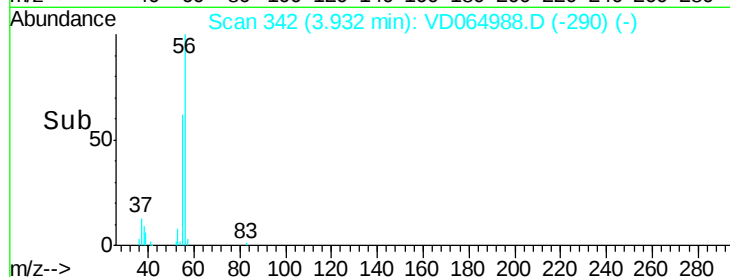
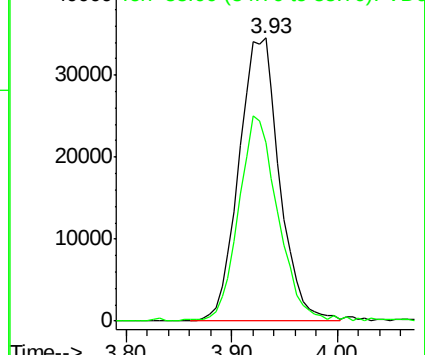
Ion Ratio Lower Upper

56 100

55 69.8 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.01 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

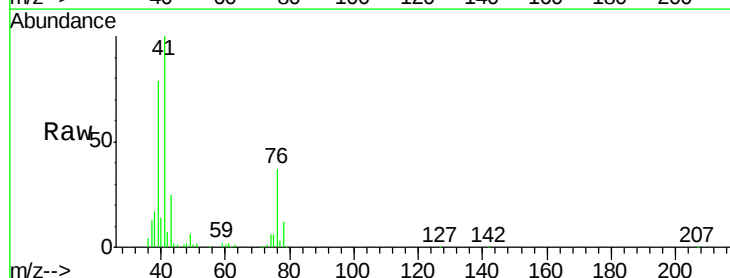
Tgt Ion: 41 Resp: 371553

Ion Ratio Lower Upper

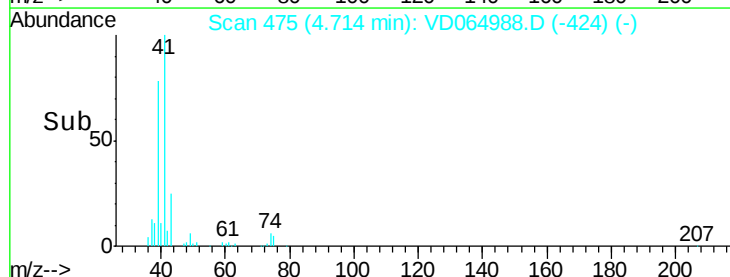
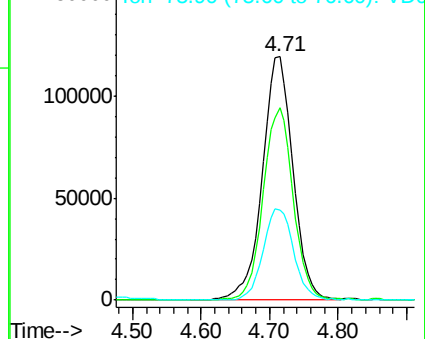
41 100

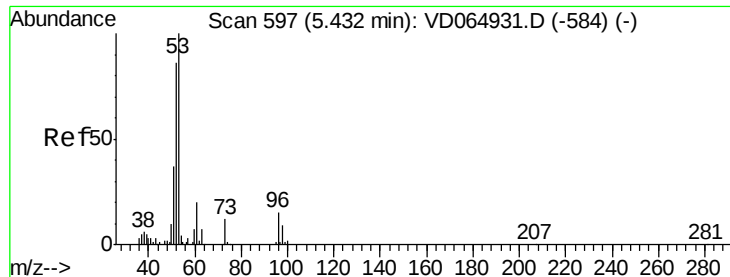
39 77.4 62.0 93.0

76 36.9 29.3 43.9



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

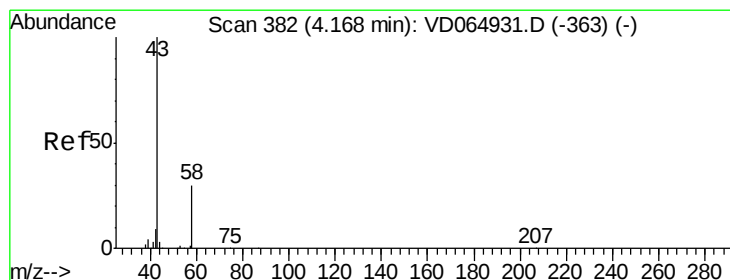
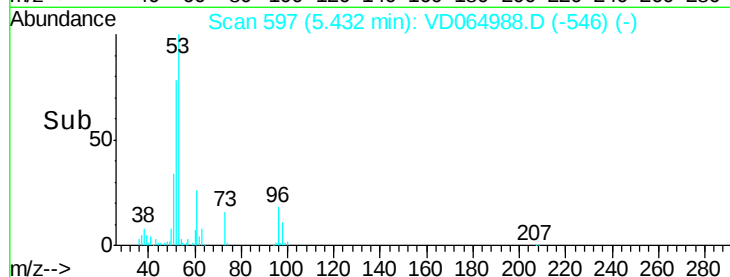
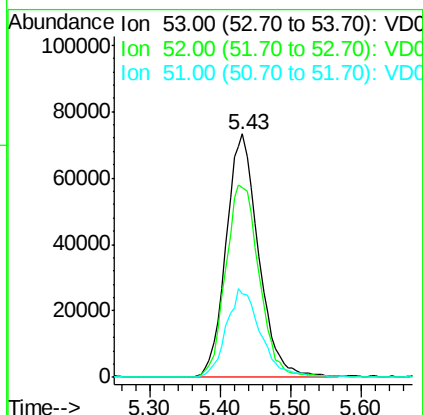
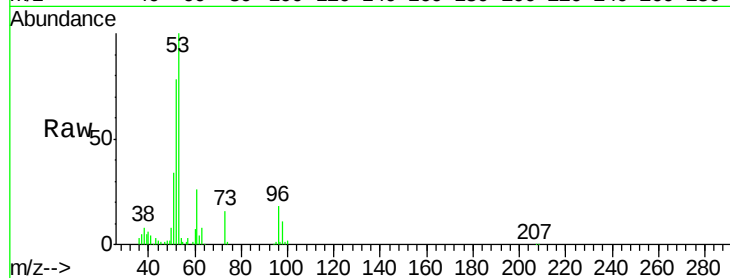




#15
 Acrylonitrile
 Concen: 242.69 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

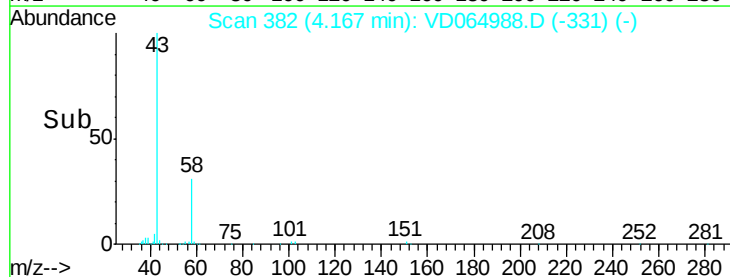
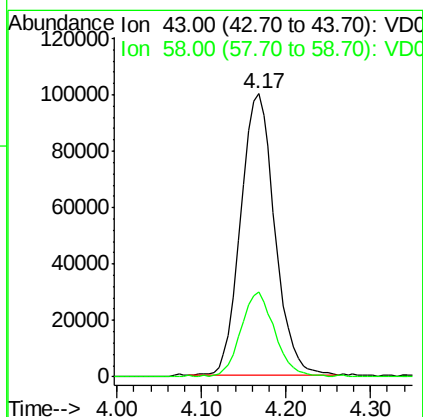
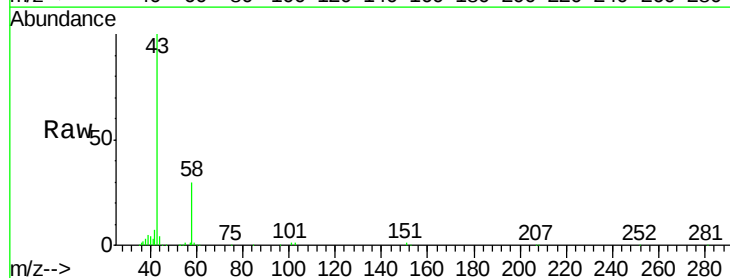
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

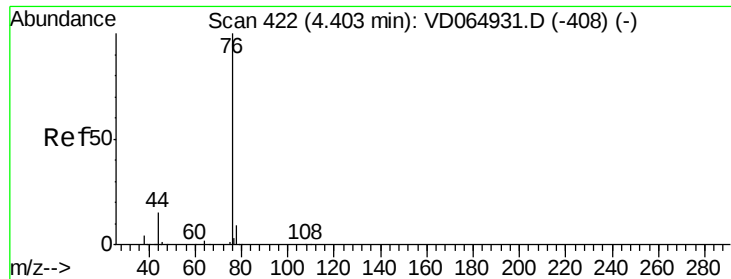
Tgt Ion: 53 Resp: 234605
 Ion Ratio Lower Upper
 53 100
 52 81.8 66.7 100.1
 51 38.3 31.1 46.7



#16
 Acetone
 Concen: 242.37 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion: 43 Resp: 278743
 Ion Ratio Lower Upper
 43 100
 58 29.9 23.8 35.8

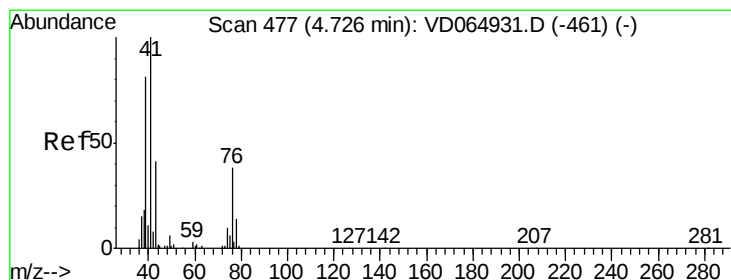
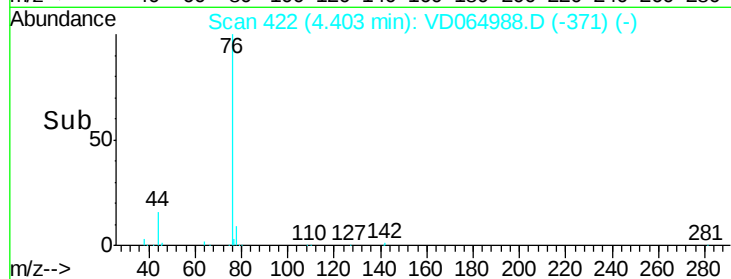
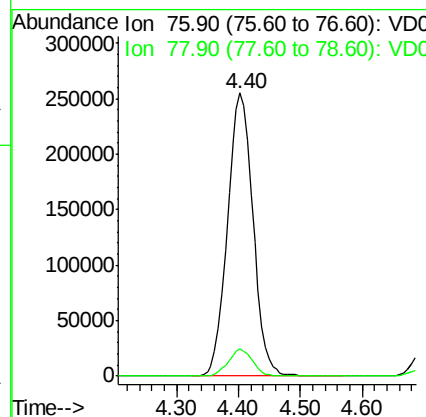
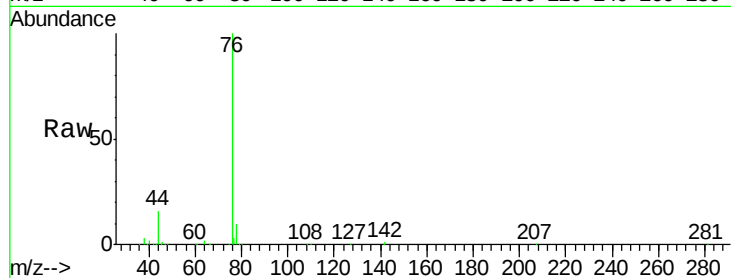




#17
Carbon Disulfide
Concen: 50.78 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

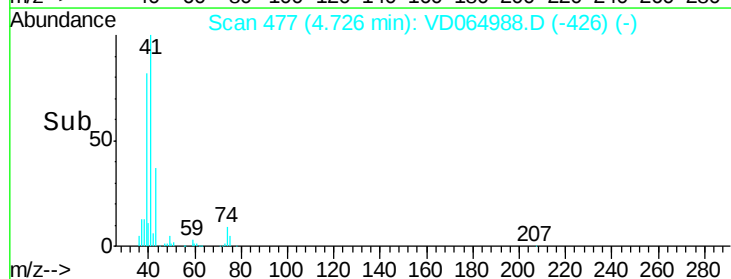
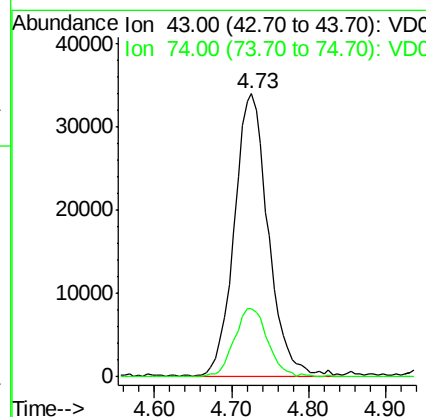
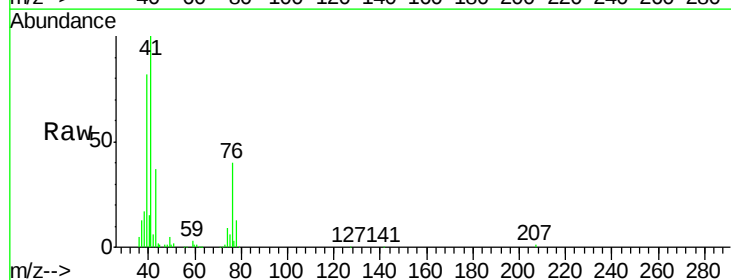
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

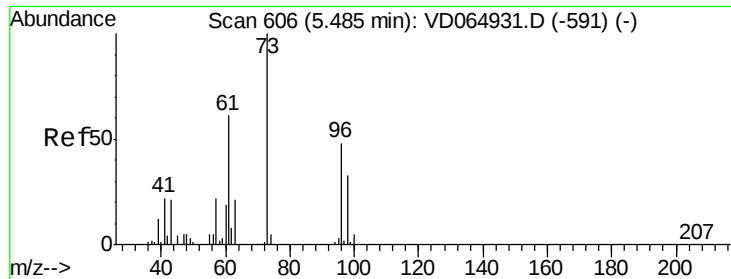
Tgt Ion: 76 Resp: 734546
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#18
Methyl Acetate
Concen: 46.48 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 43 Resp: 105419
Ion Ratio Lower Upper
43 100
74 23.5 19.1 28.7

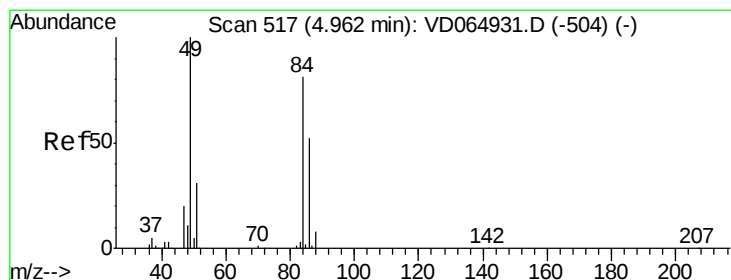
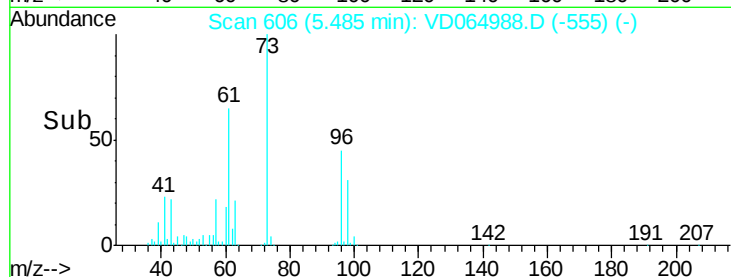
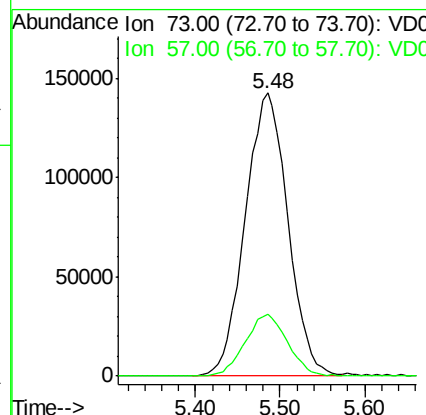
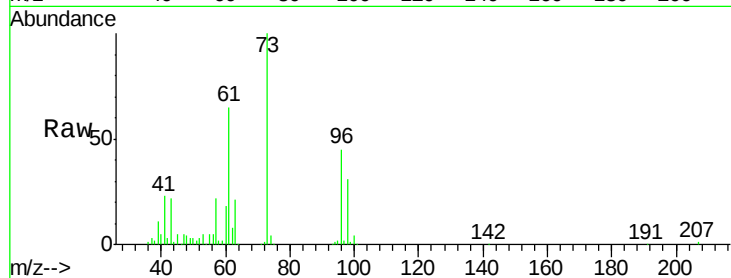




#19
Methyl tert-butyl Ether
Concen: 50.98 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

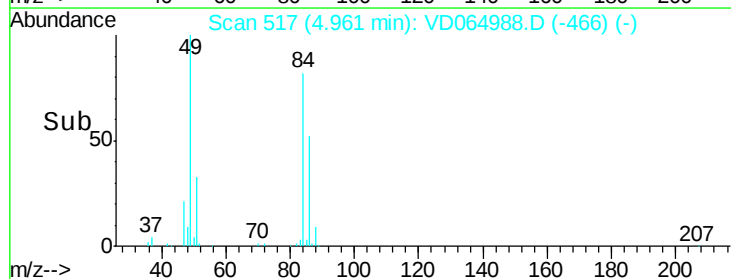
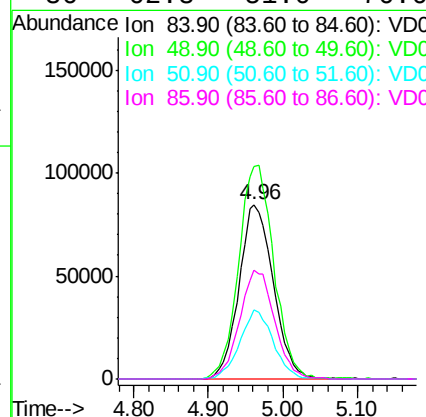
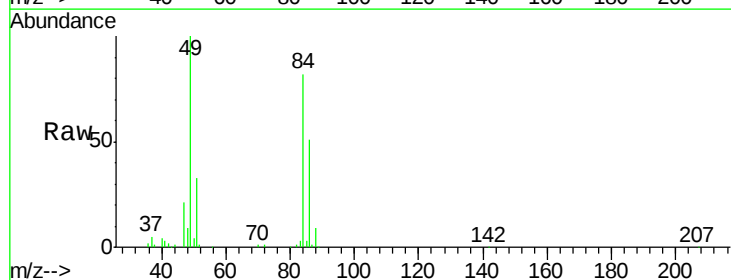
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

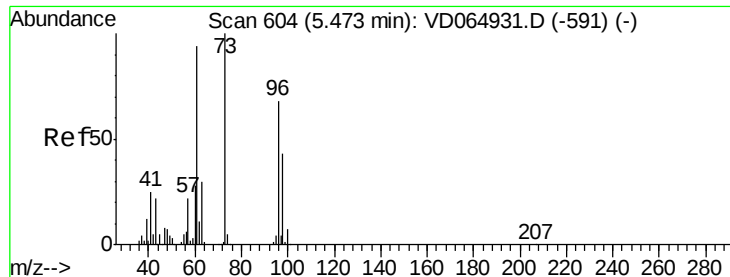
Tgt Ion: 73 Resp: 500646
Ion Ratio Lower Upper
73 100
57 21.7 17.9 26.9



#20
Methylene Chloride
Concen: 58.47 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 84 Resp: 270241
Ion Ratio Lower Upper
84 100
49 122.2 98.4 147.6
51 39.8 30.8 46.2
86 62.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.40 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

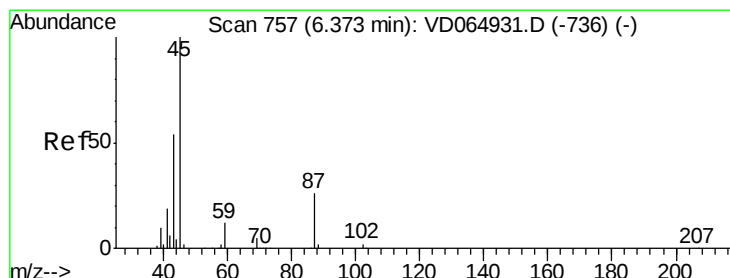
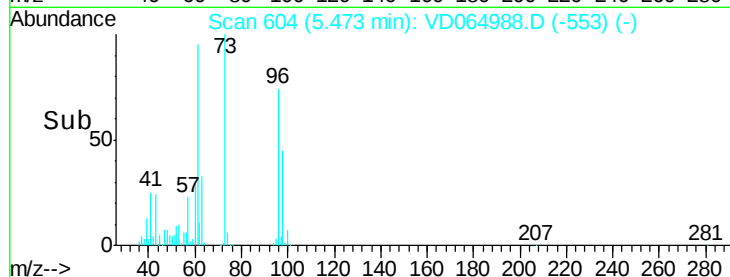
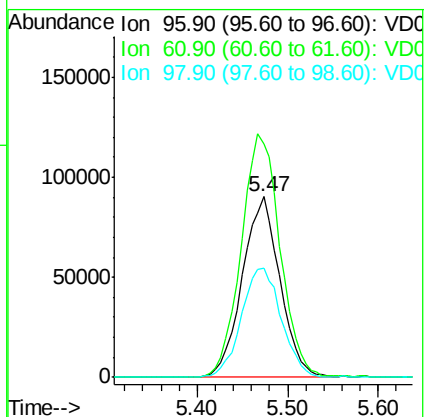
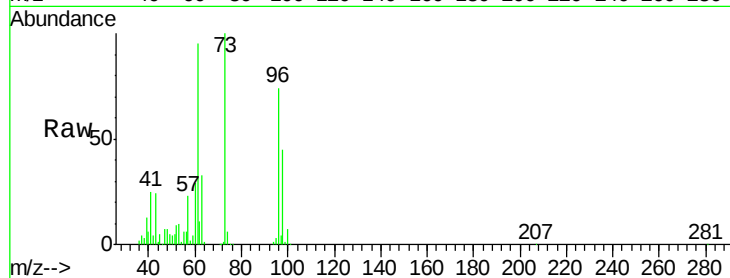
Tgt Ion: 96 Resp: 260253

Ion Ratio Lower Upper

96 100

61 128.8 110.4 165.6

98 60.6 50.5 75.7



#22

Diisopropyl ether

Concen: 52.64 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Tgt Ion: 45 Resp: 735356

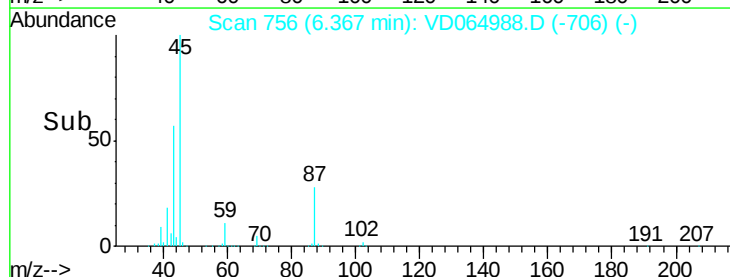
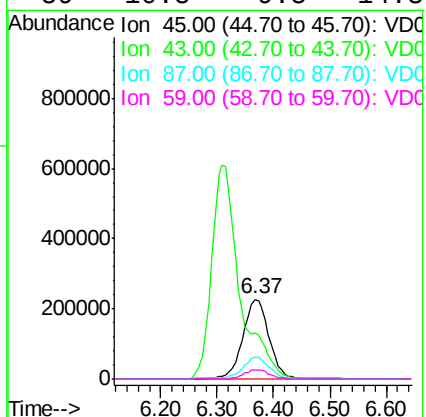
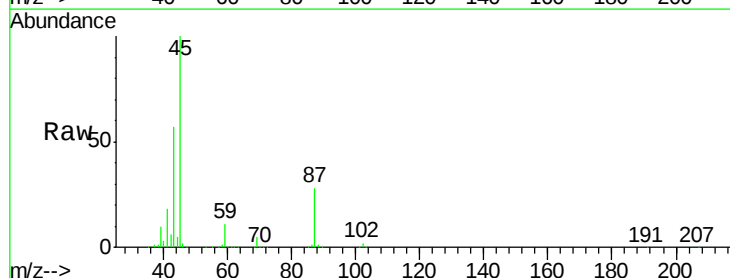
Ion Ratio Lower Upper

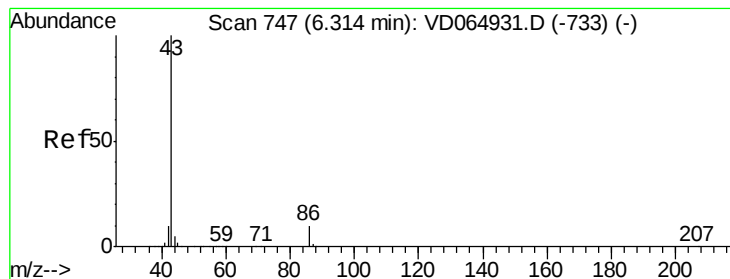
45 100

43 56.6 43.1 64.7

87 27.5 21.4 32.2

59 10.5 9.5 14.3





#23

Vinyl Acetate

Concen: 256.41 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

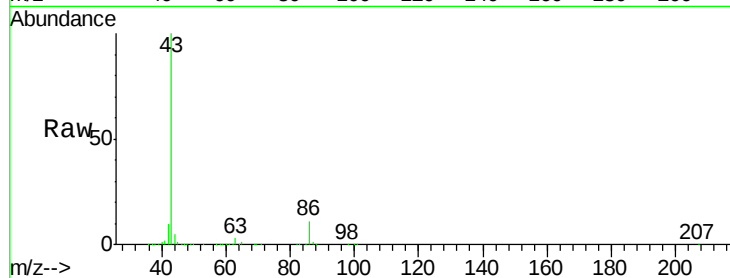
VSTDCCC050

Tgt Ion: 43 Resp: 2097128

Ion Ratio Lower Upper

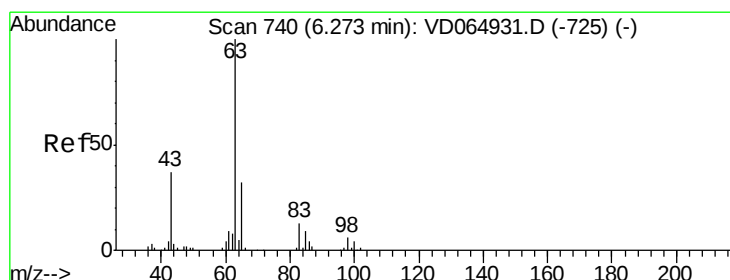
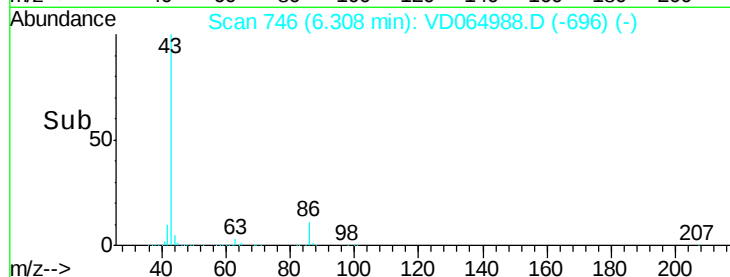
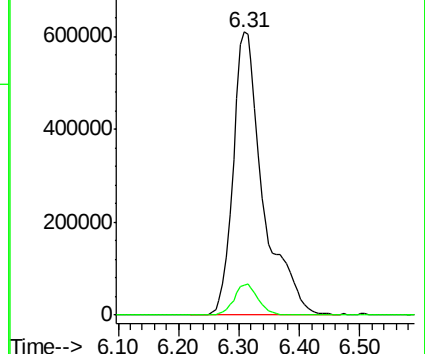
43 100

86 10.7 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.49 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

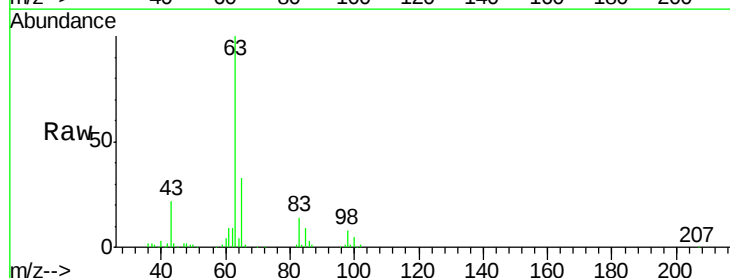
Tgt Ion: 63 Resp: 450180

Ion Ratio Lower Upper

63 100

98 7.6 3.1 9.3

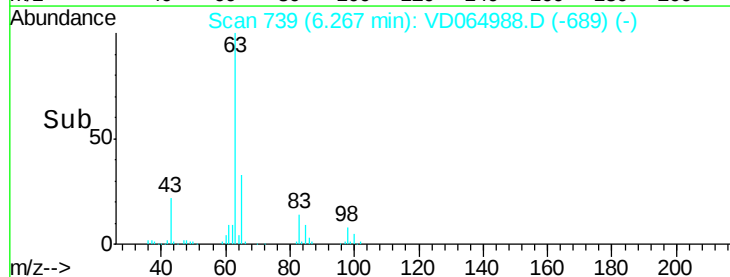
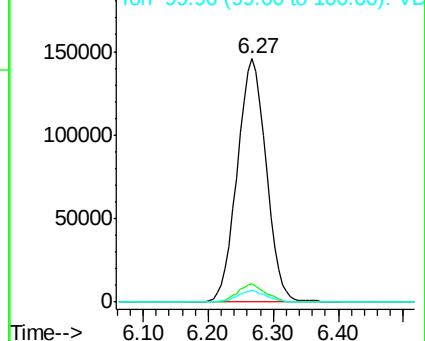
100 4.8 2.3 6.8

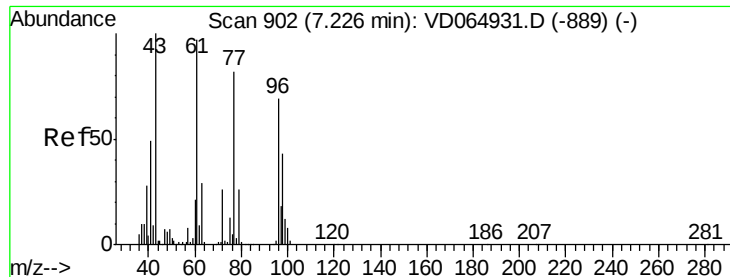


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 246.17 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

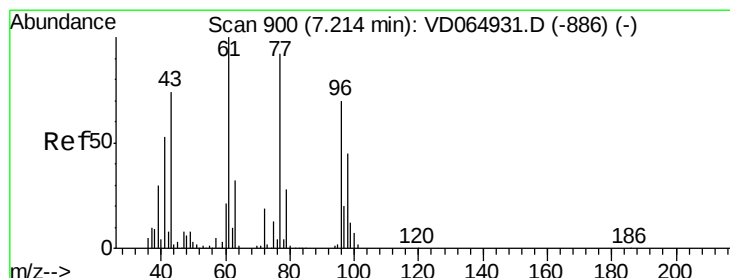
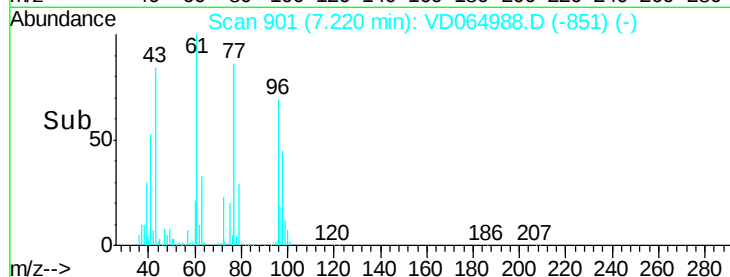
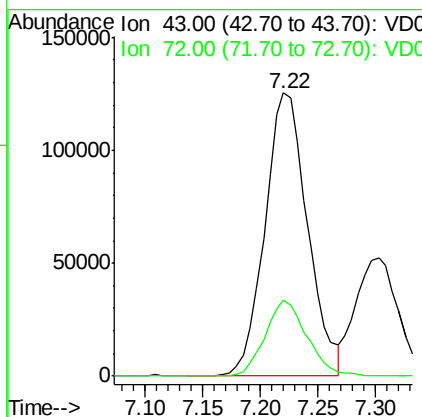
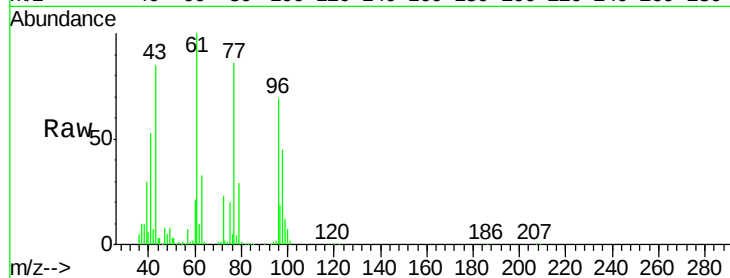
VSTDCCC050

Tgt Ion: 43 Resp: 322090

Ion Ratio Lower Upper

43 100

72 26.9 20.6 31.0



#26

2,2-Dichloropropane

Concen: 53.99 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064988.D

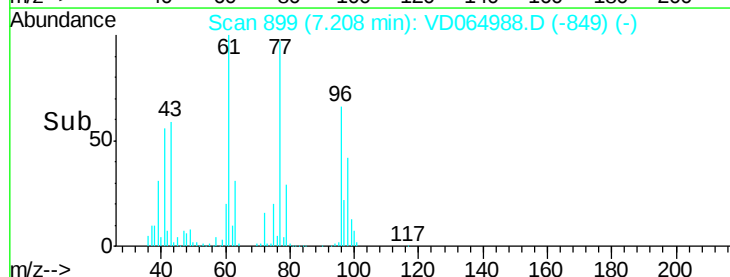
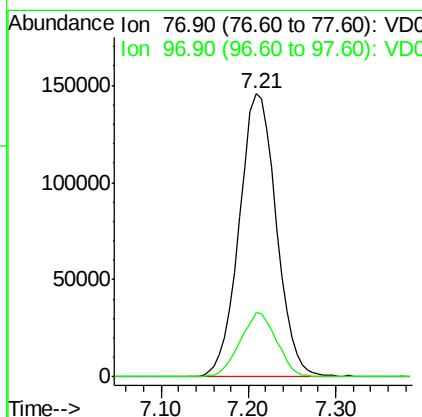
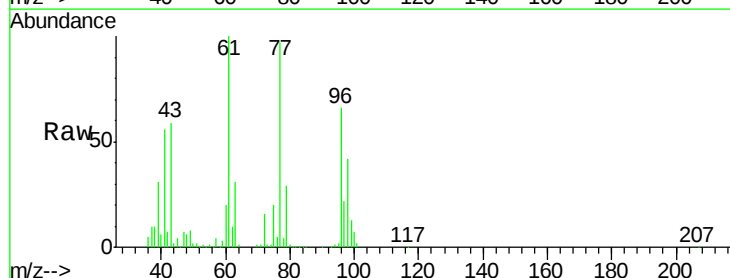
Acq: 29 Jan 2020 10:45

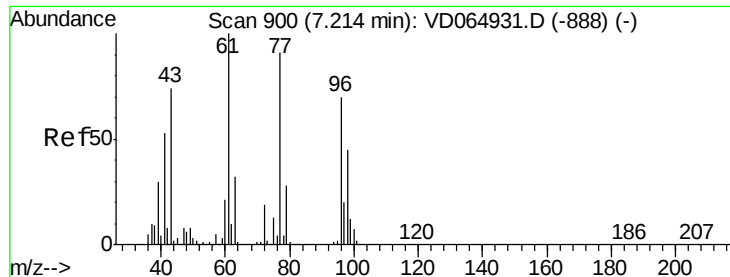
Tgt Ion: 77 Resp: 419994

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.95 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

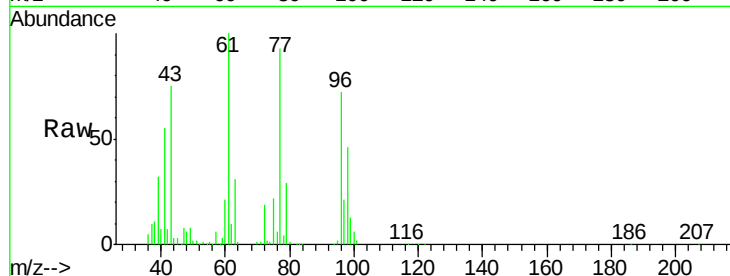
Tgt Ion: 96 Resp: 280759

Ion Ratio Lower Upper

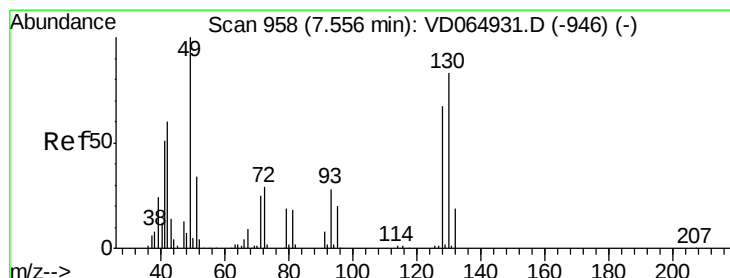
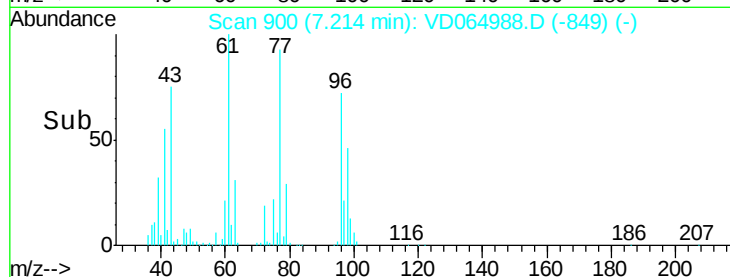
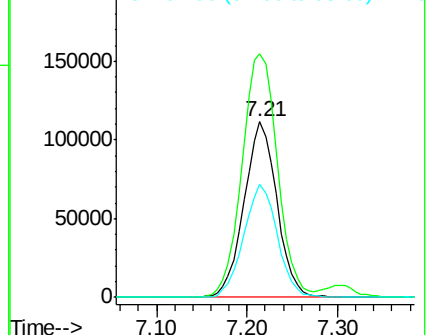
96 100

61 149.5 0.0 292.8

98 66.0 0.0 130.0



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



#28

Bromochloromethane

Concen: 51.25 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

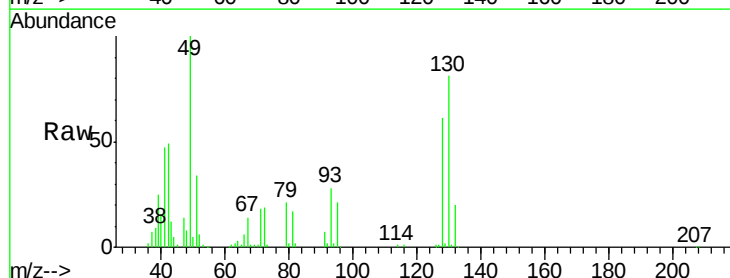
Tgt Ion: 49 Resp: 175813

Ion Ratio Lower Upper

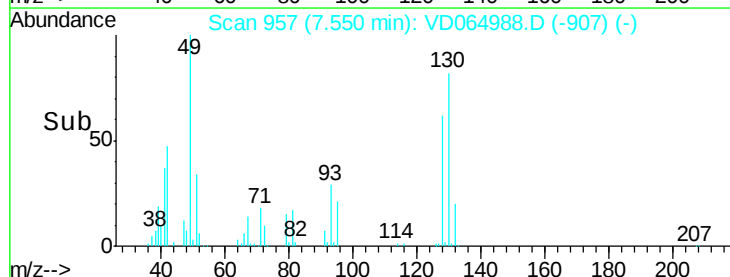
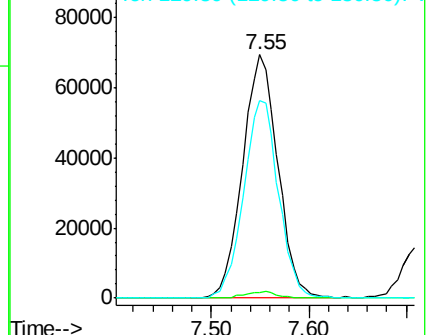
49 100

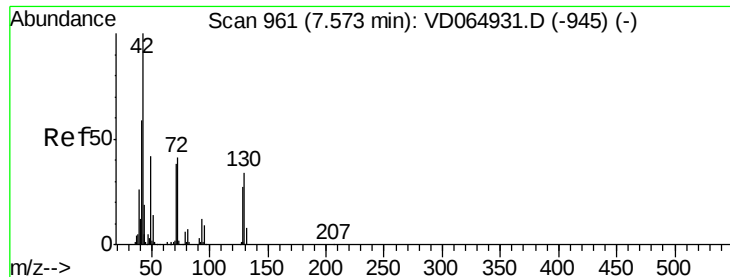
129 2.4 0.0 4.4

130 80.2 63.8 95.8



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





#29

Tetrahydrofuran

Concen: 235.26 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

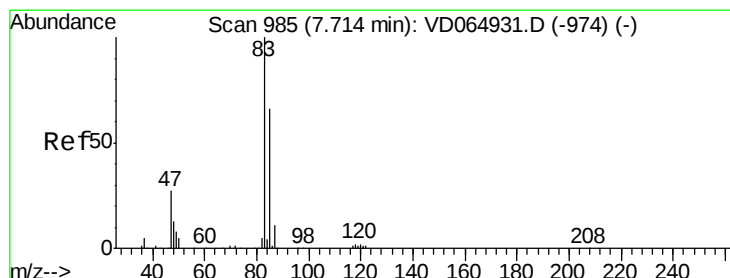
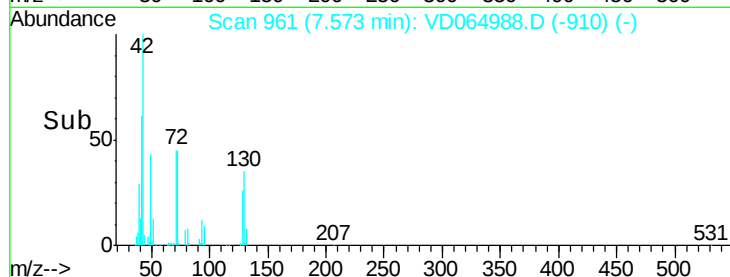
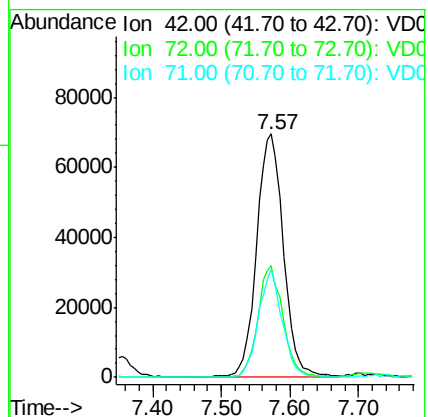
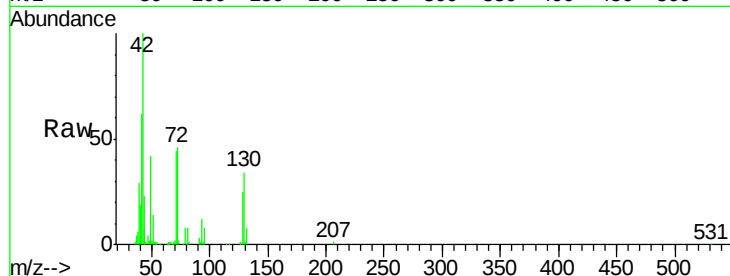
Tgt Ion: 42 Resp: 189923

Ion Ratio Lower Upper

42 100

72 42.5 34.0 51.0

71 39.3 31.5 47.3



#30

Chloroform

Concen: 51.71 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064988.D

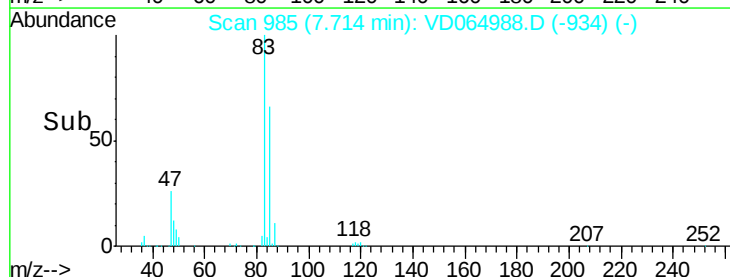
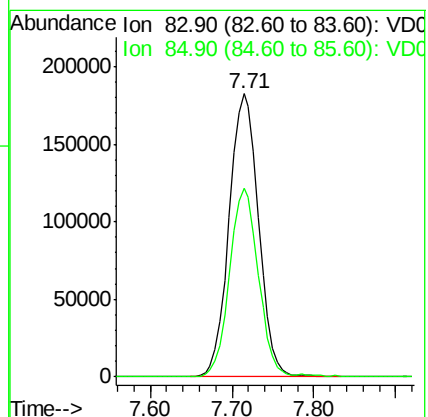
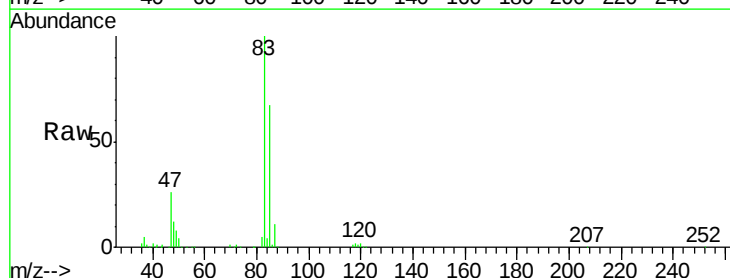
Acq: 29 Jan 2020 10:45

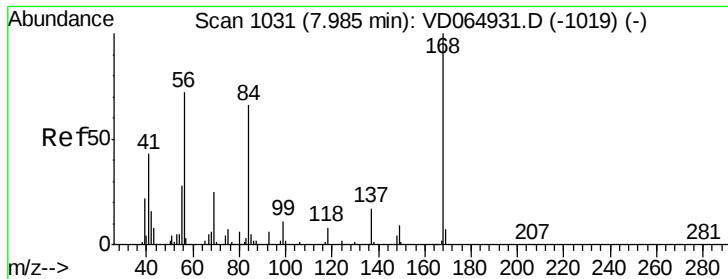
Tgt Ion: 83 Resp: 458481

Ion Ratio Lower Upper

83 100

85 66.6 52.4 78.6

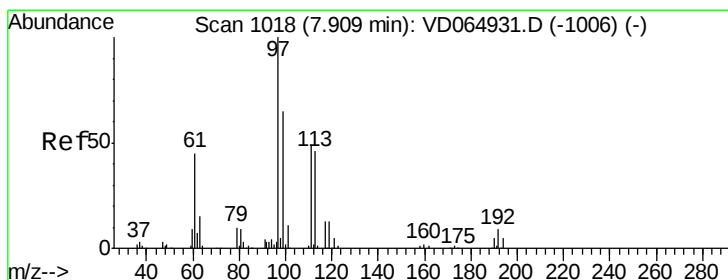
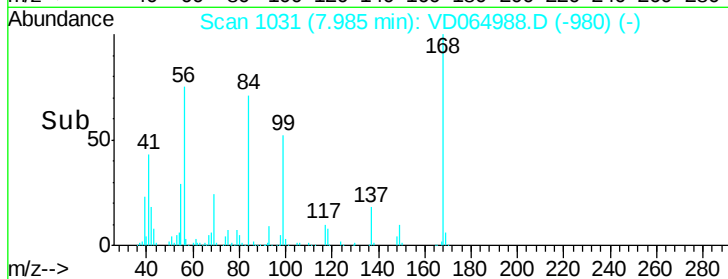
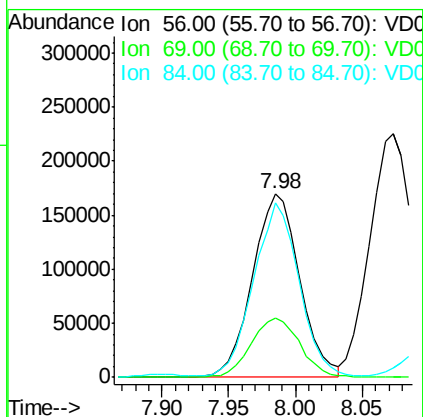
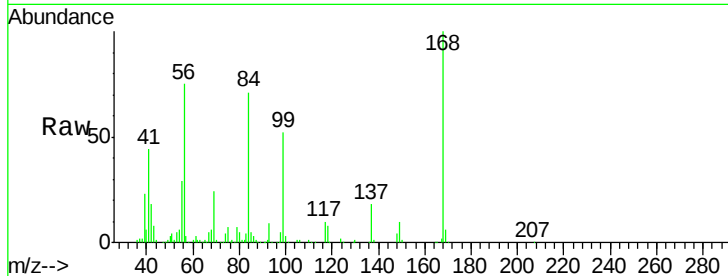




#31
Cyclohexane
Concen: 49.37 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

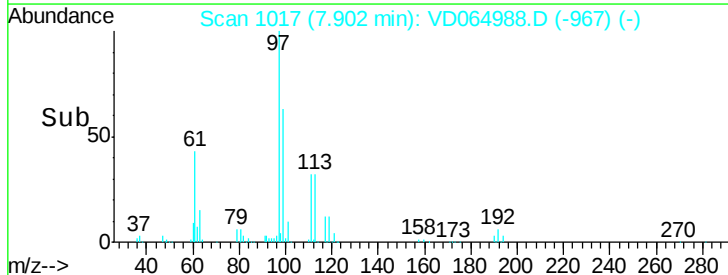
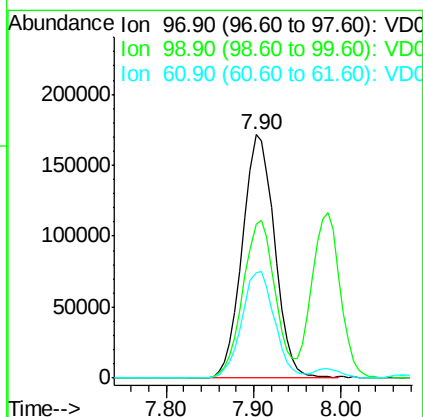
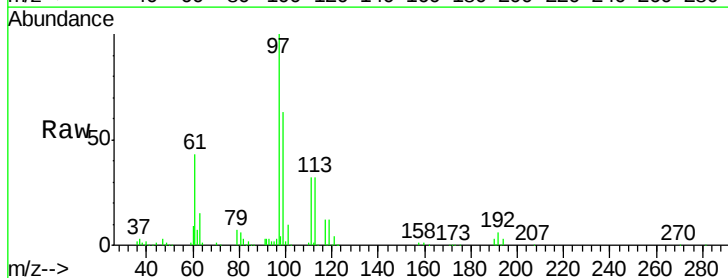
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

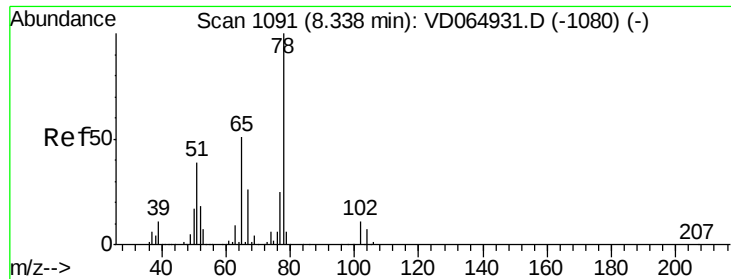
Tgt Ion: 56 Resp: 416533
Ion Ratio Lower Upper
56 100
69 32.5 27.9 41.9
84 93.4 72.8 109.2



#32
1,1,1-Trichloroethane
Concen: 52.03 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 97 Resp: 429164
Ion Ratio Lower Upper
97 100
99 65.4 50.6 76.0
61 44.6 35.7 53.5

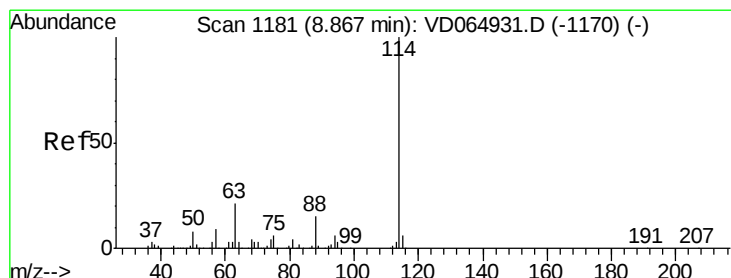
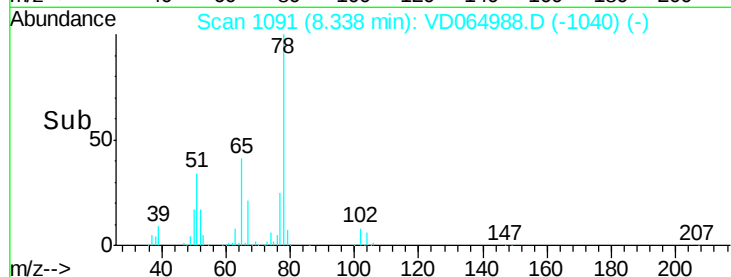
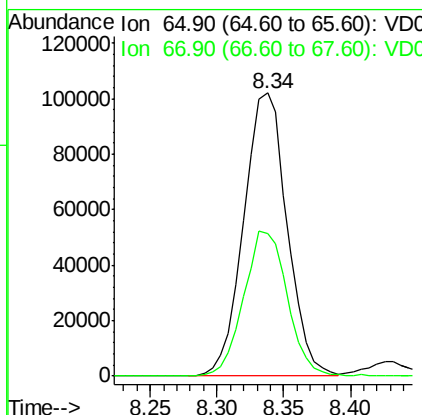
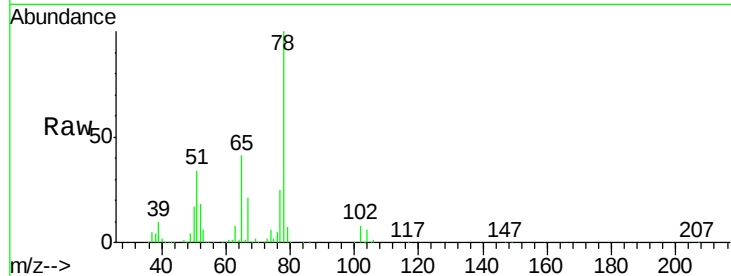




#33
 1,2-Dichloroethane-d4
 Concen: 47.48 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

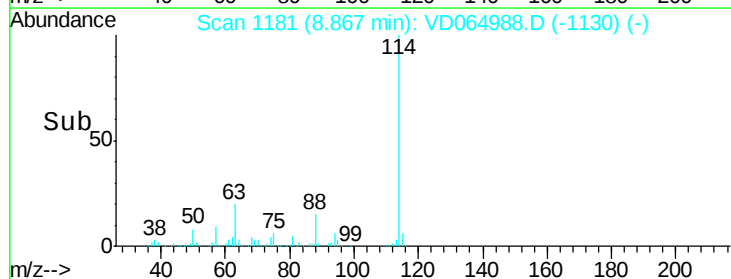
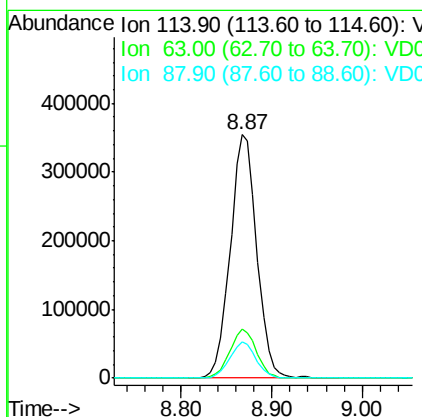
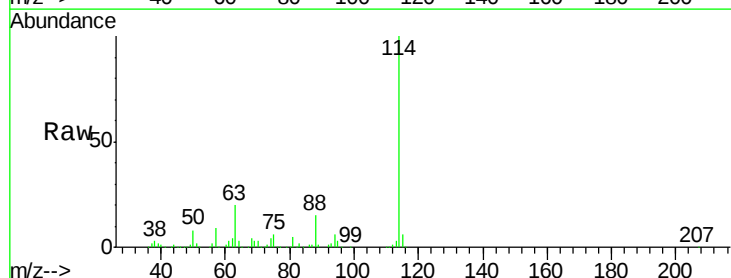
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 229951
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion: 114 Resp: 718765
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.0
 88 14.8 0.0 29.4

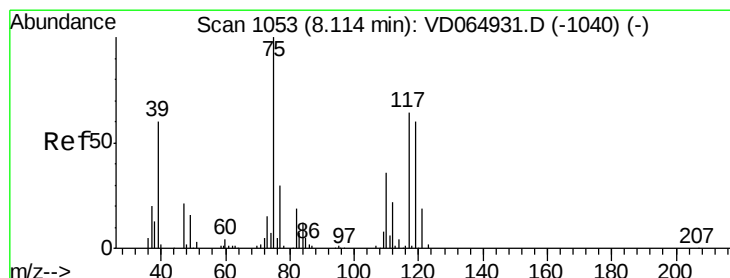
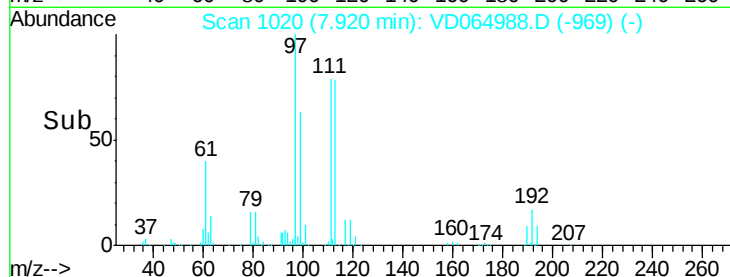
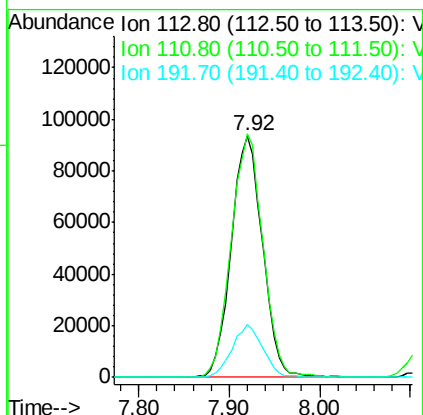
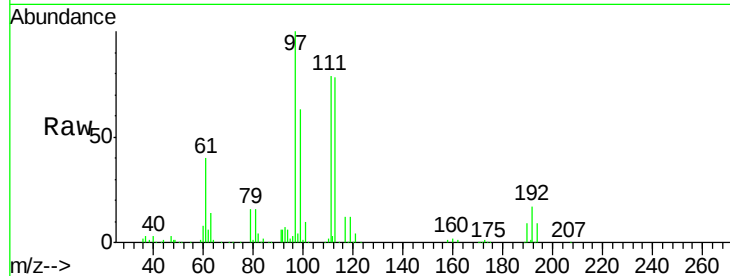




#35
Dibromofluoromethane
Concen: 49.62 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

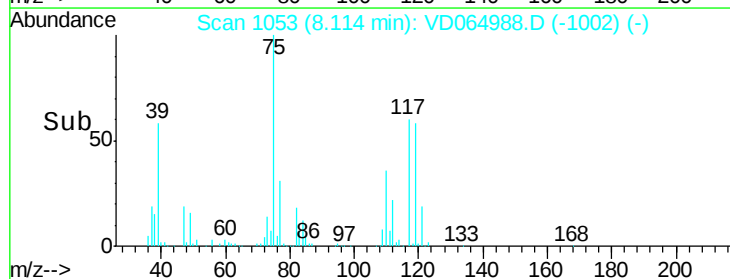
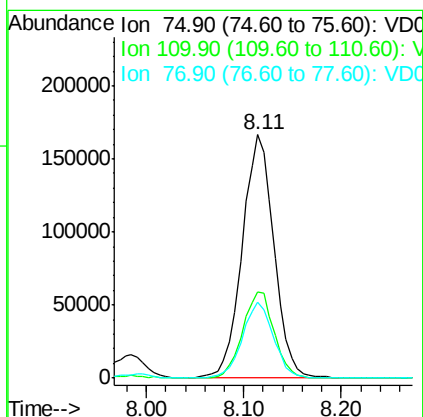
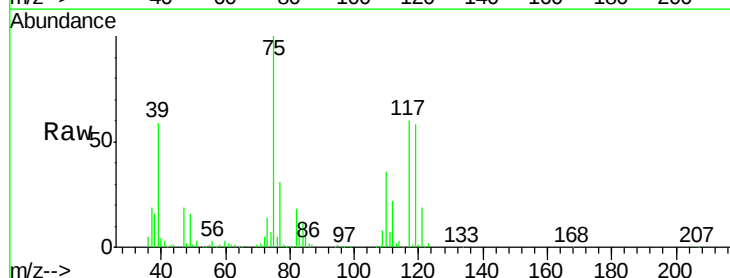
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

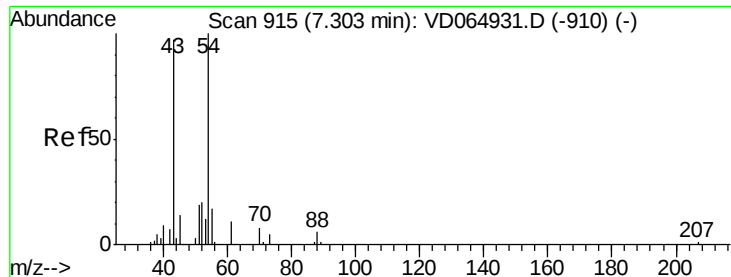
Tgt Ion: 113 Resp: 224109
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 21.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 54.12 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 75 Resp: 375101
Ion Ratio Lower Upper
75 100
110 35.3 17.3 52.0
77 30.9 24.7 37.1

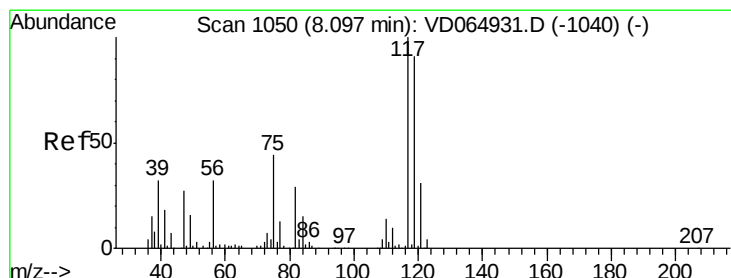
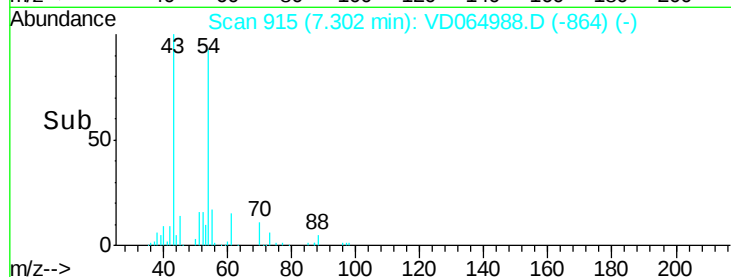
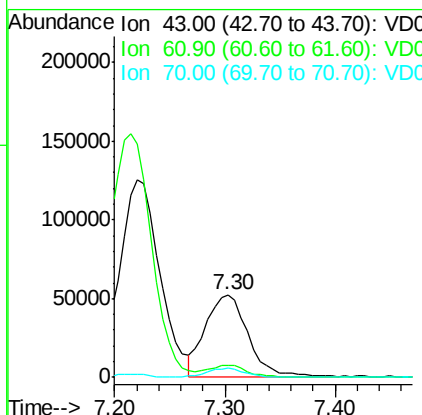
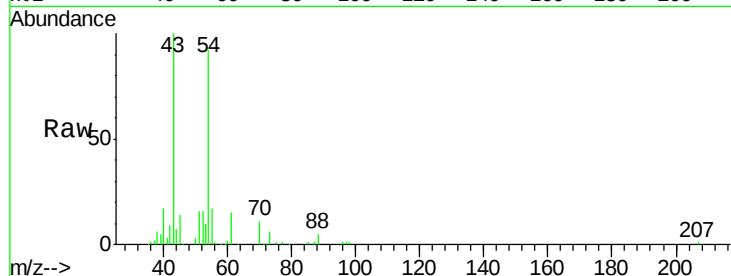




#37
Ethyl Acetate
Concen: 48.15 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

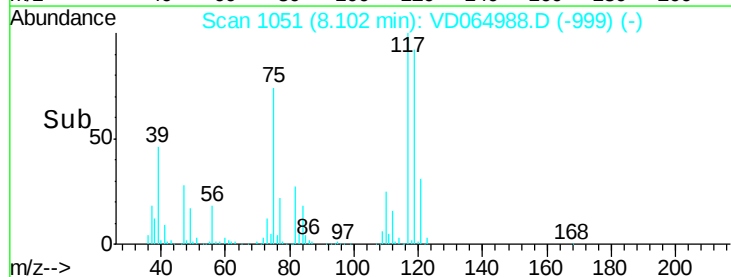
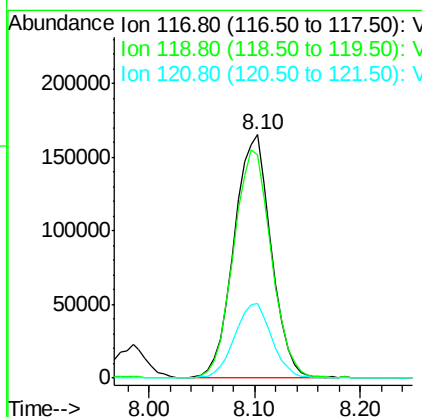
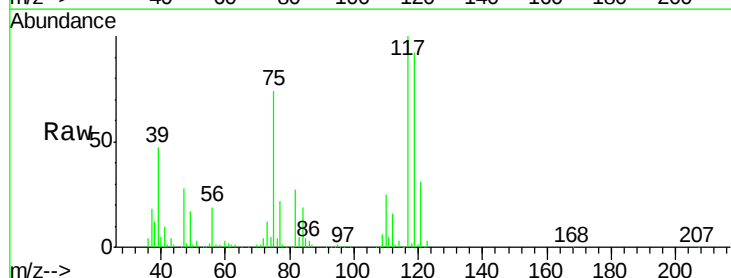
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

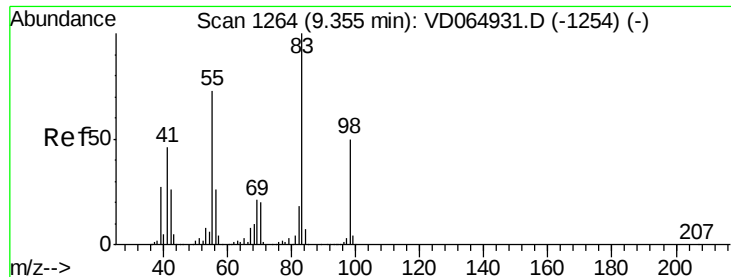
Tgt Ion: 43 Resp: 137846
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.4
70 10.3 7.5 11.3



#38
Carbon Tetrachloride
Concen: 54.65 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 117 Resp: 400329
Ion Ratio Lower Upper
117 100
119 91.6 73.2 109.8
121 30.7 24.4 36.6

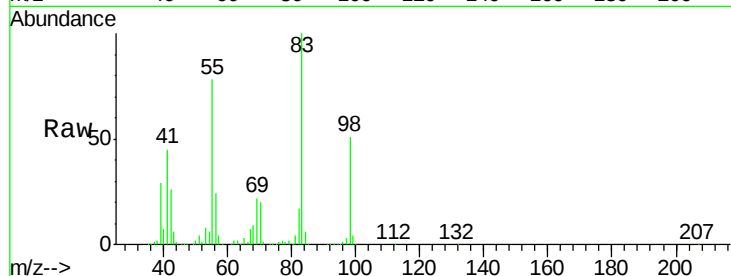




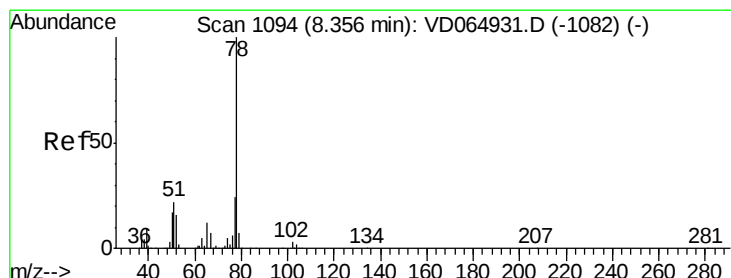
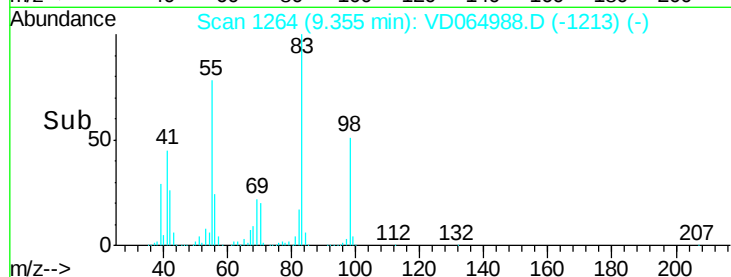
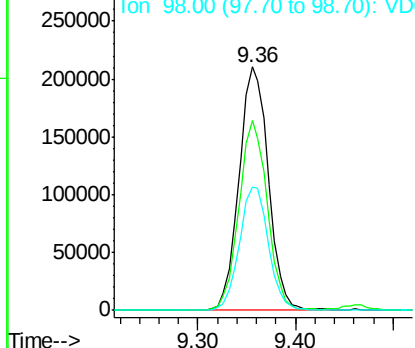
#39
Methylcyclohexane
Concen: 54.57 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 442159
Ion Ratio Lower Upper
83 100
55 77.9 58.7 88.1
98 50.8 40.2 60.2

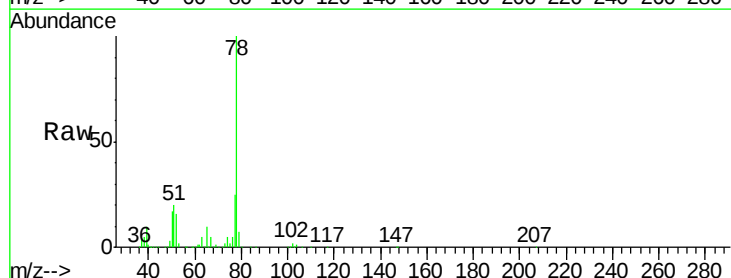


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

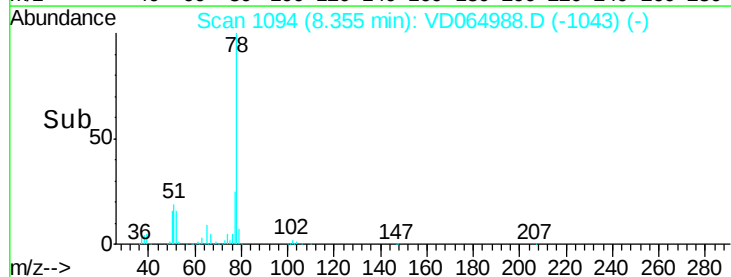
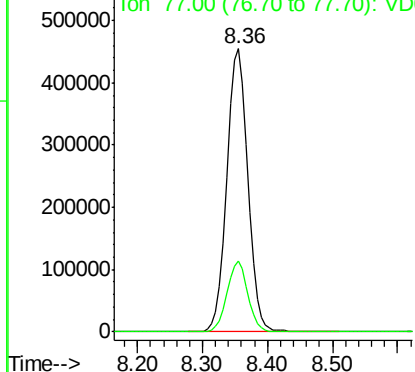


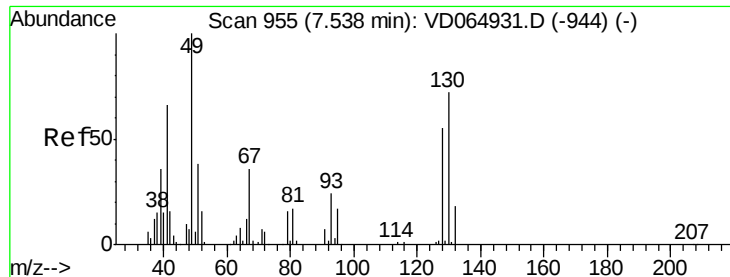
#40
Benzene
Concen: 53.41 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 78 Resp: 1019533
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8



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





#41

Methacrylonitrile

Concen: 58.35 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 89986

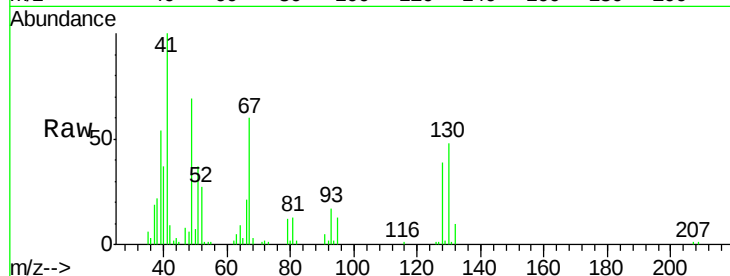
Ion Ratio Lower Upper

41 100

39 47.6 49.3 73.9#

67 61.4 51.0 76.6

52 28.3 22.3 33.5

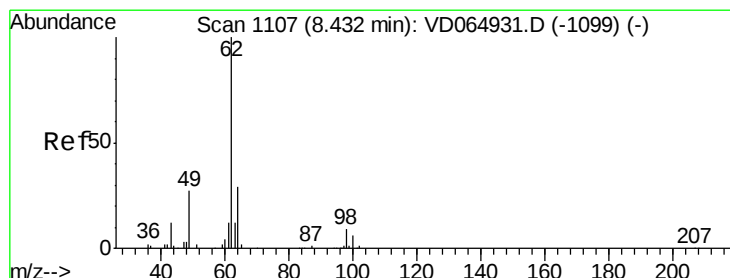
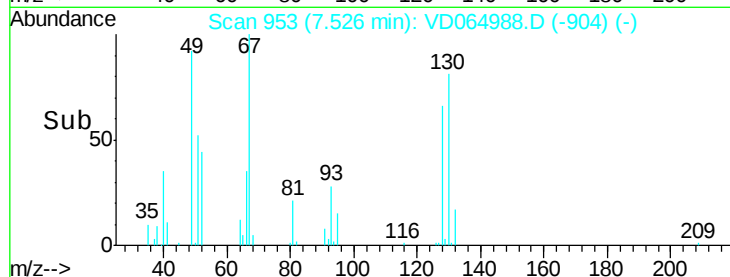
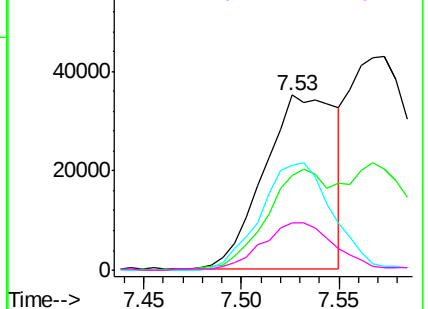


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.75 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064988.D

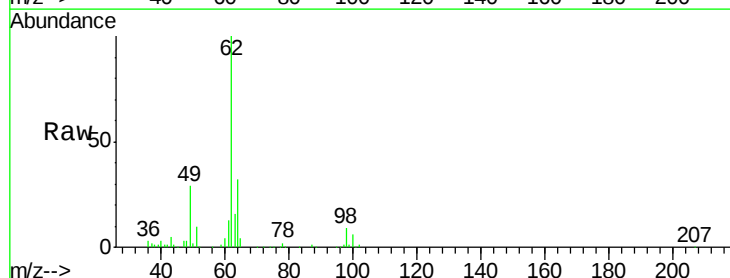
Acq: 29 Jan 2020 10:45

Tgt Ion: 62 Resp: 294256

Ion Ratio Lower Upper

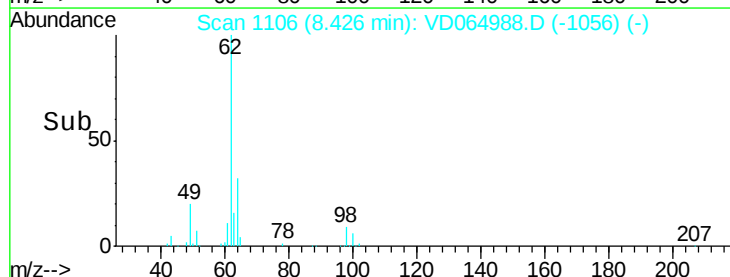
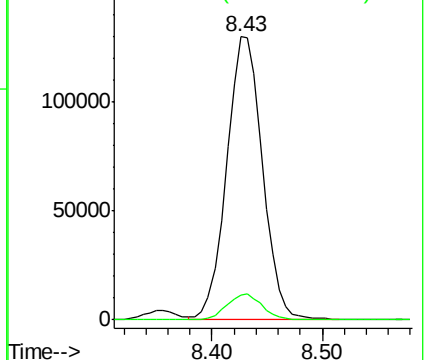
62 100

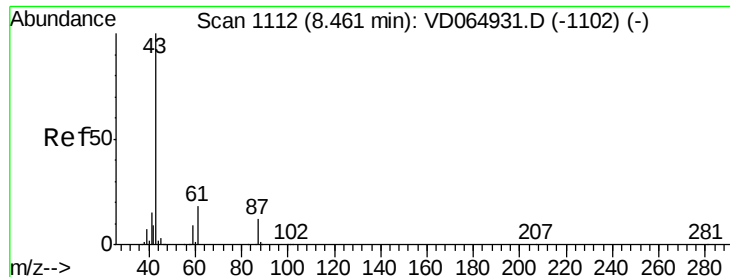
98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.54 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

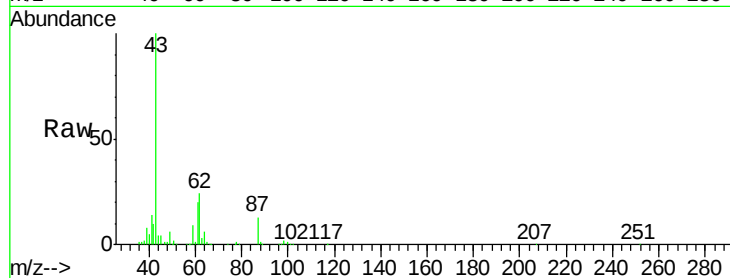
Tgt Ion: 43 Resp: 269394

Ion Ratio Lower Upper

43 100

61 30.1 23.8 35.6

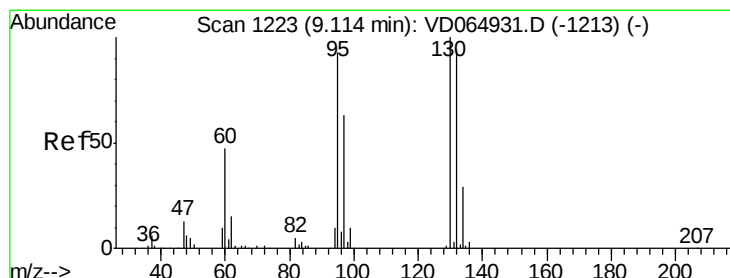
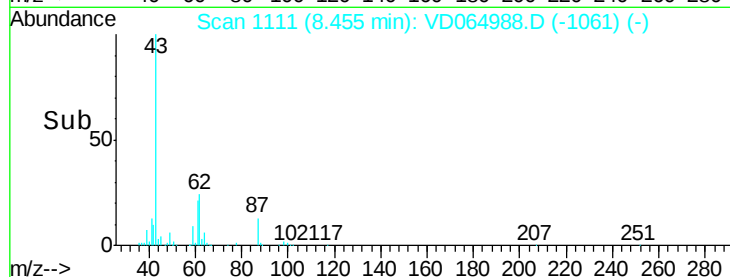
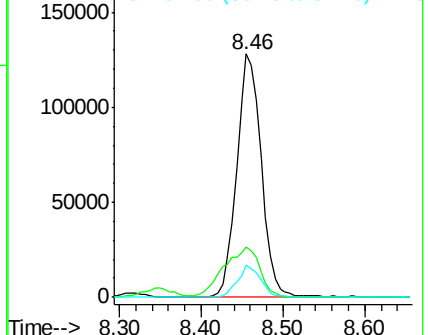
87 12.4 10.3 15.5



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: 54.07 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064988.D

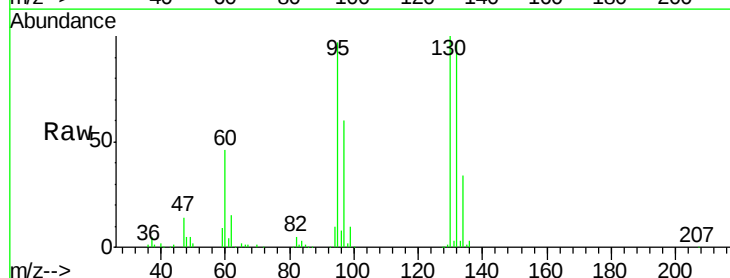
Acq: 29 Jan 2020 10:45

Tgt Ion: 130 Resp: 288837

Ion Ratio Lower Upper

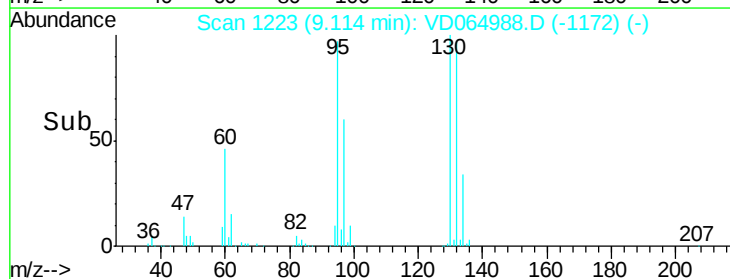
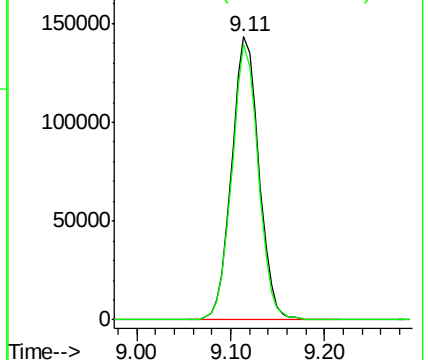
130 100

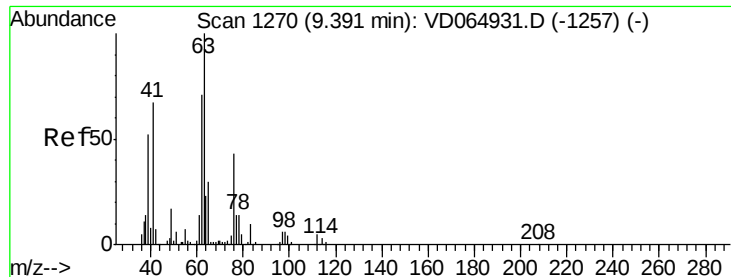
95 97.3 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

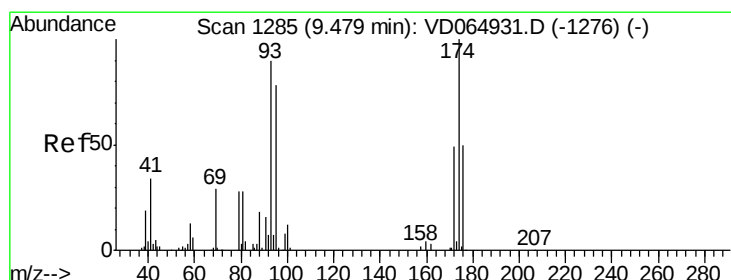
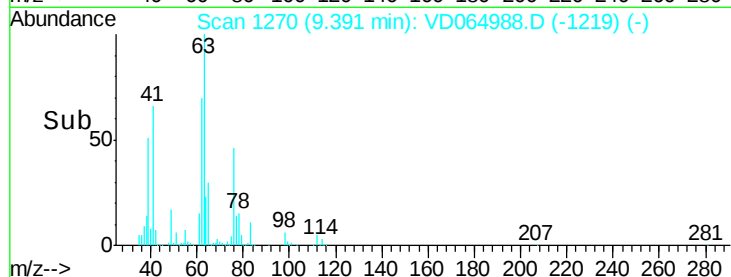
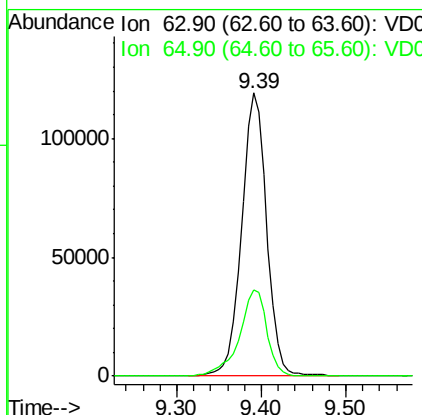
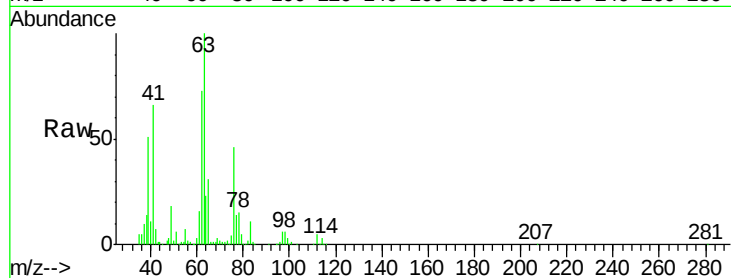




#45
 1,2-Dichloropropane
 Concen: 52.81 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

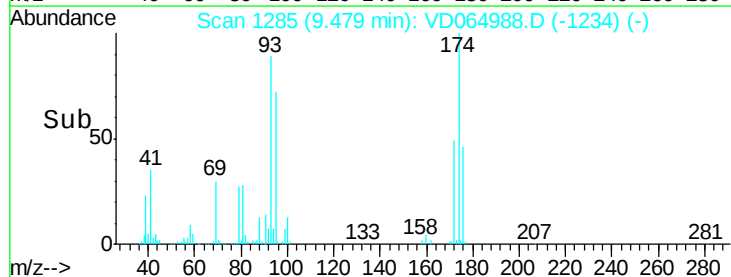
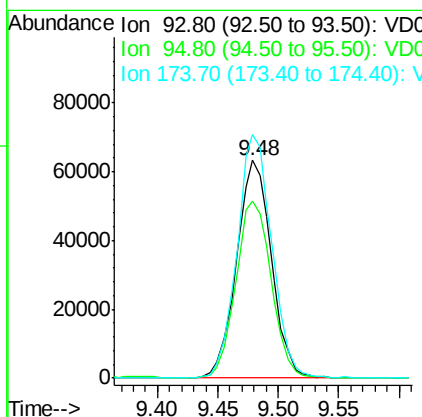
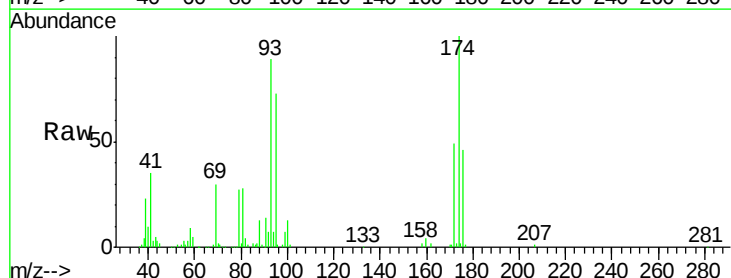
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

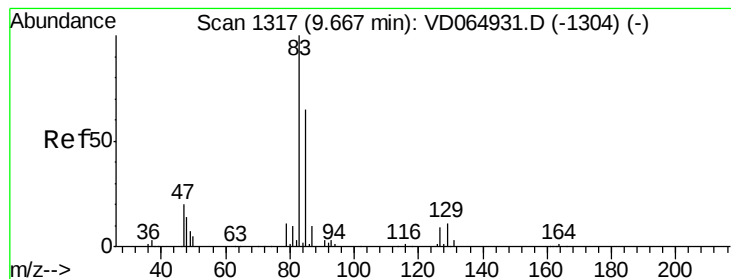
Tgt Ion: 63 Resp: 244363
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.3 36.5



#46
 Dibromomethane
 Concen: 50.46 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion: 93 Resp: 127475
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.5 101.3
 174 111.5 88.4 132.6





#47

Bromodichloromethane

Concen: 53.17 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

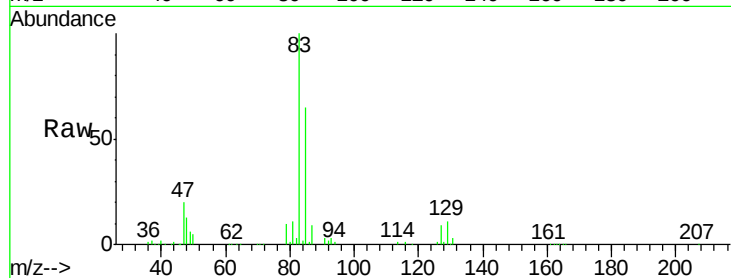
Tgt Ion: 83 Resp: 349568

Ion Ratio Lower Upper

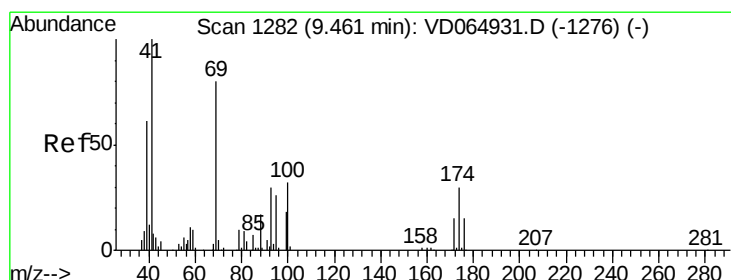
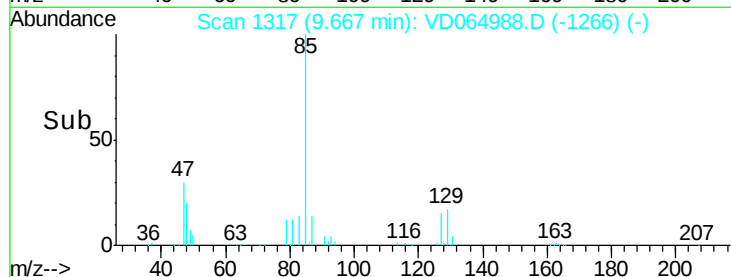
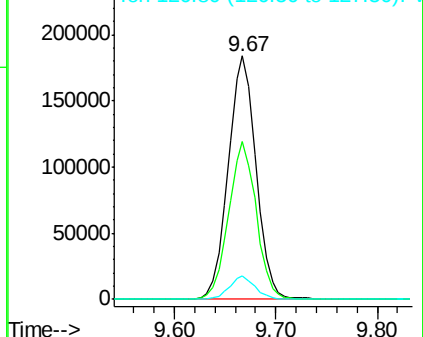
83 100

85 64.9 52.0 78.0

127 9.4 7.3 10.9



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: 50.87 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

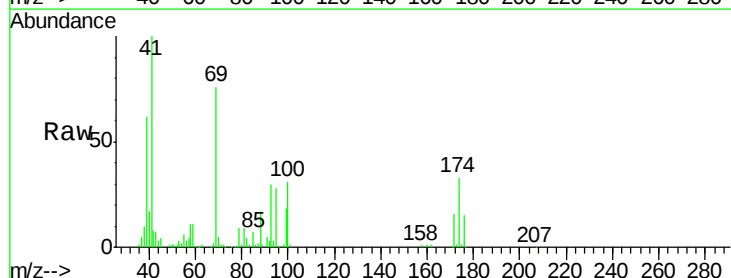
Tgt Ion: 41 Resp: 127308

Ion Ratio Lower Upper

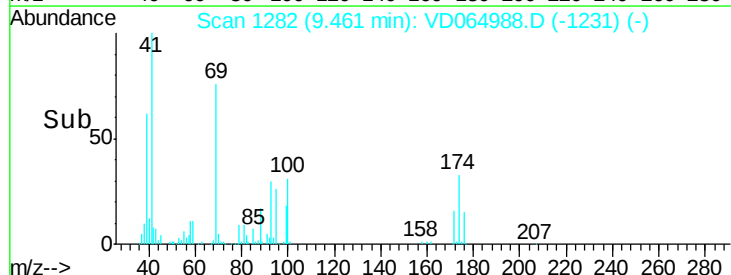
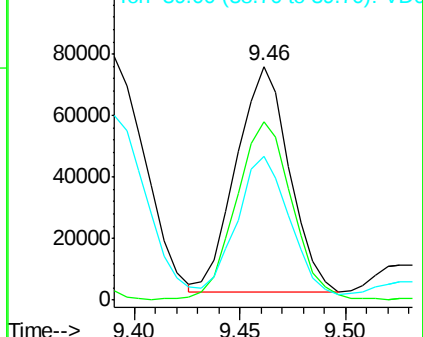
41 100

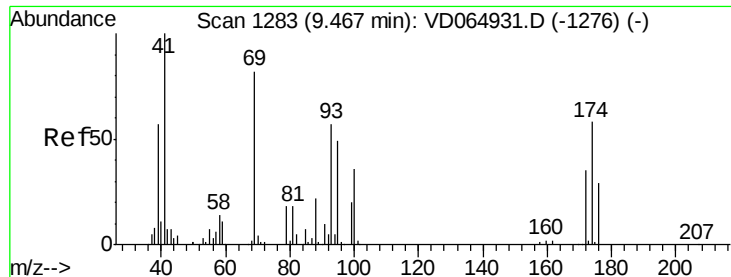
69 82.9 65.8 98.8

39 59.3 49.4 74.0



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

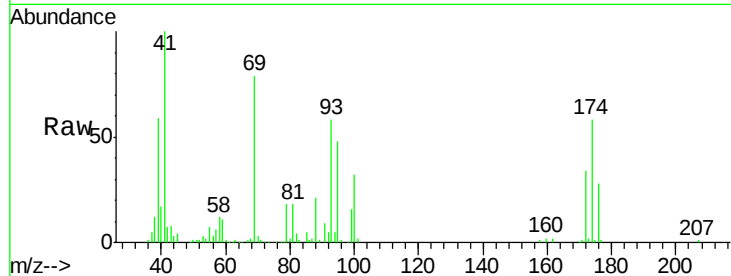




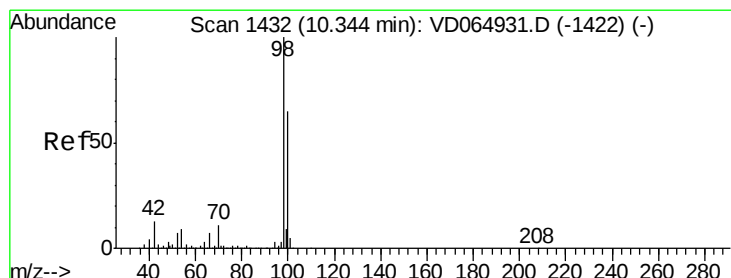
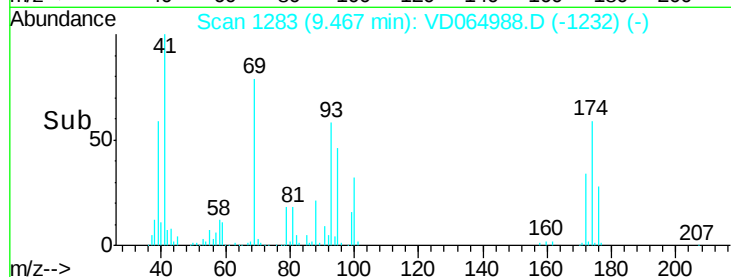
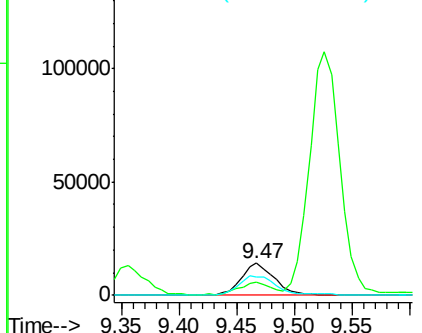
#49
1,4-Dioxane
Concen: 970.54 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 28438
Ion Ratio Lower Upper
88 100
43 41.8 26.2 39.4#
58 67.7 50.3 75.5

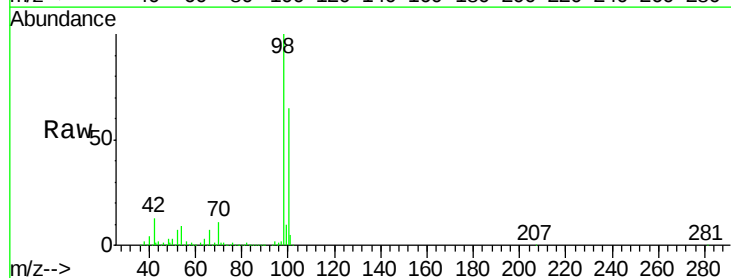


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

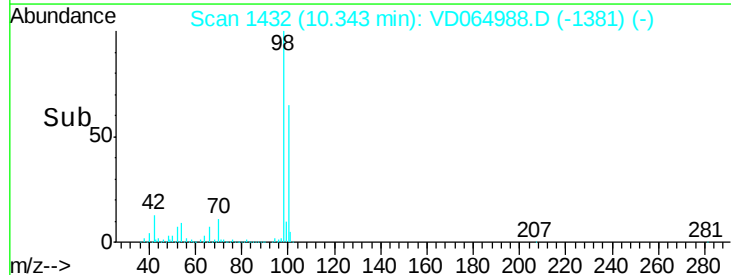
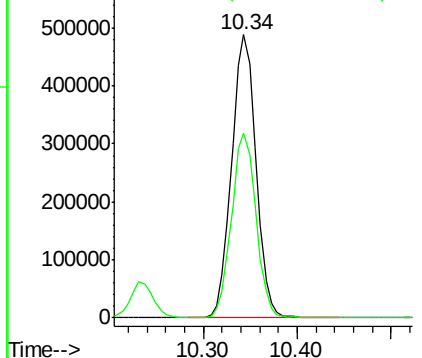


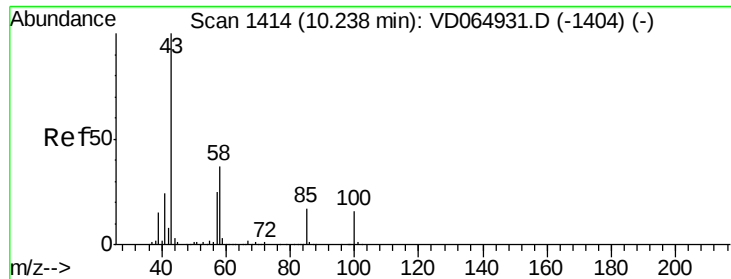
#50
Toluene-d8
Concen: 50.48 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 98 Resp: 880039
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



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

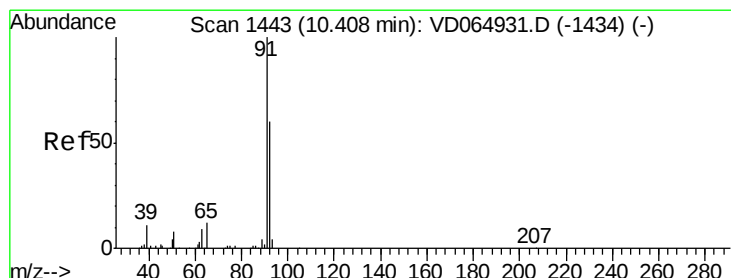
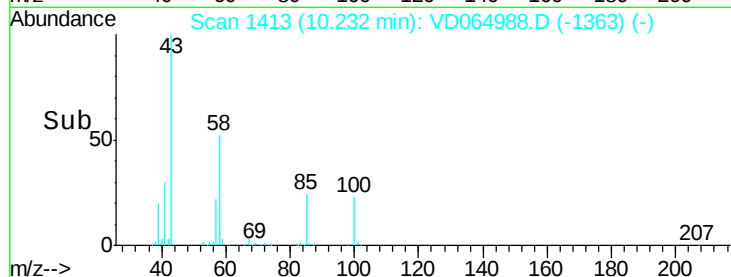
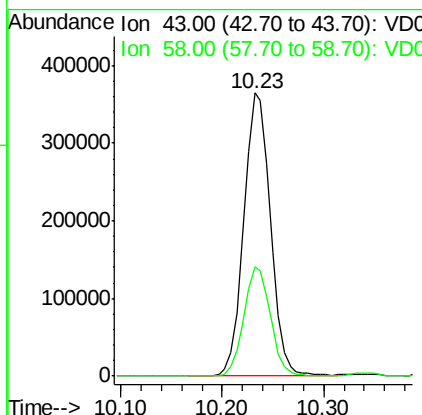
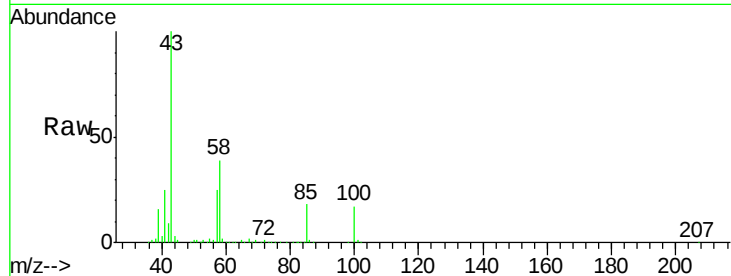




#51
 4-Methyl-2-Pentanone
 Concen: 245.04 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

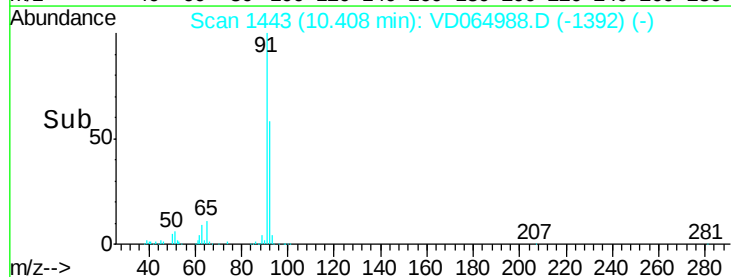
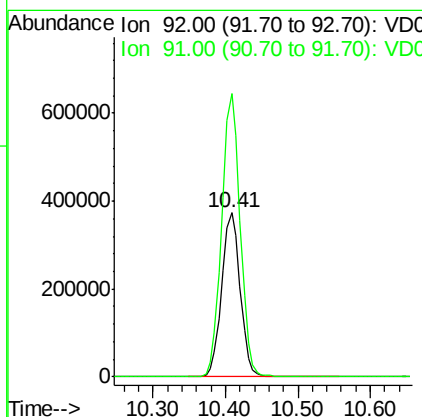
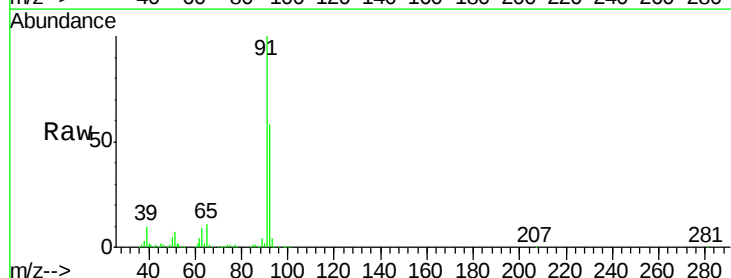
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

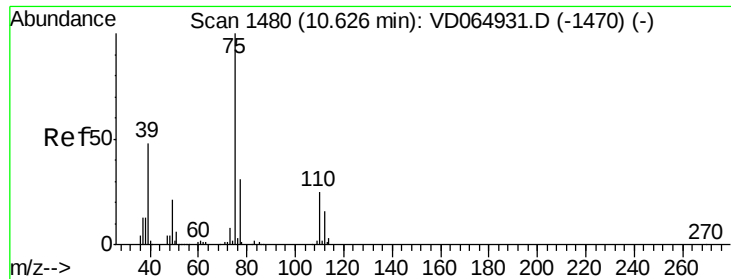
Tgt Ion: 43 Resp: 666761
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.4 45.6



#52
 Toluene
 Concen: 53.97 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion: 92 Resp: 664249
 Ion Ratio Lower Upper
 92 100
 91 172.2 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 52.69 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

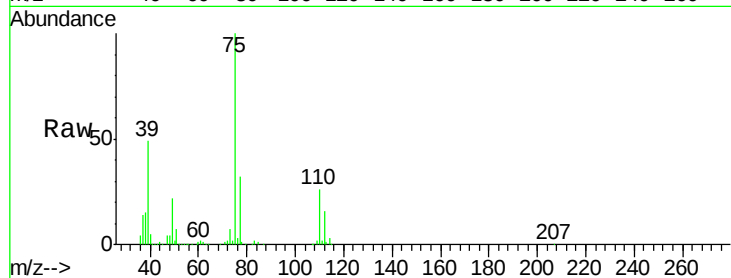
VSTDCCC050

Tgt Ion: 75 Resp: 329981

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

200000

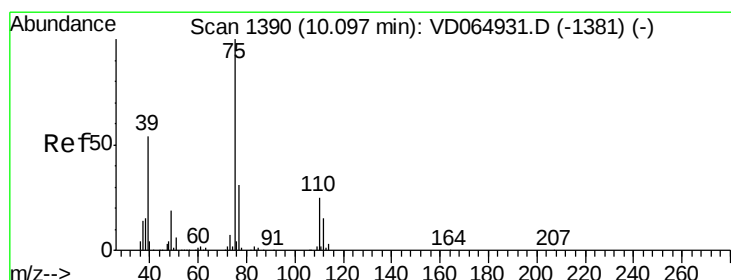
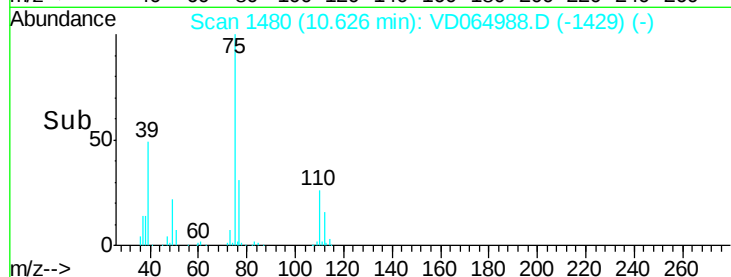
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.75 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

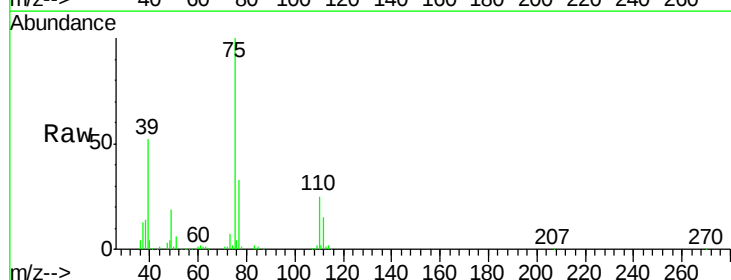
Tgt Ion: 75 Resp: 394095

Ion Ratio Lower Upper

75 100

77 32.5 25.1 37.7

39 51.9 43.0 64.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

250000

200000

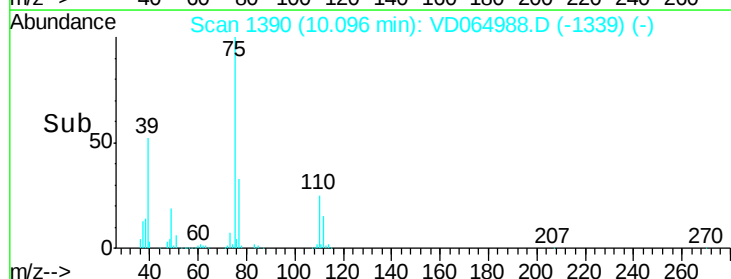
150000

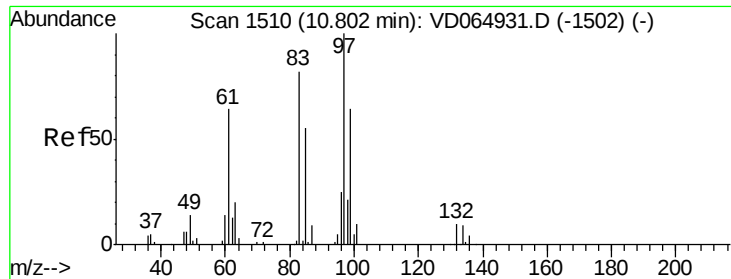
100000

50000

0

Time-->

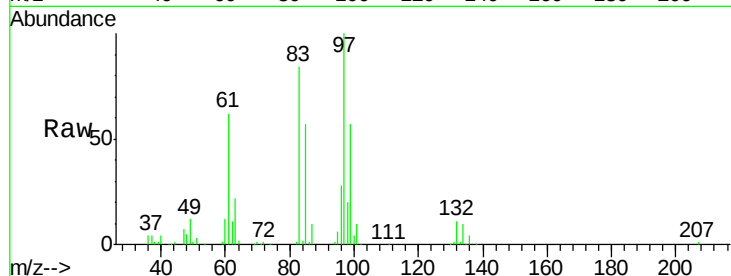




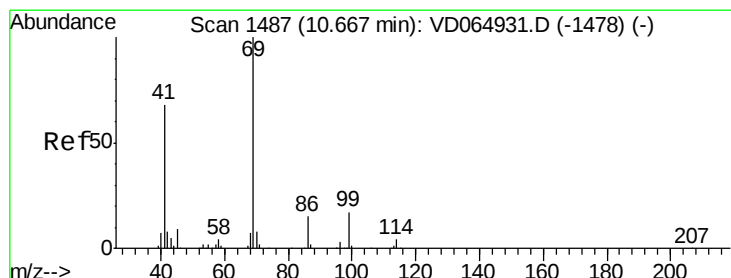
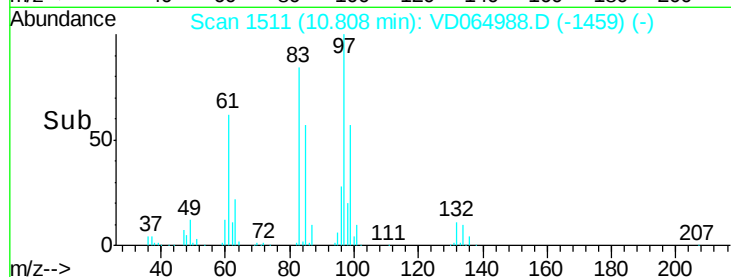
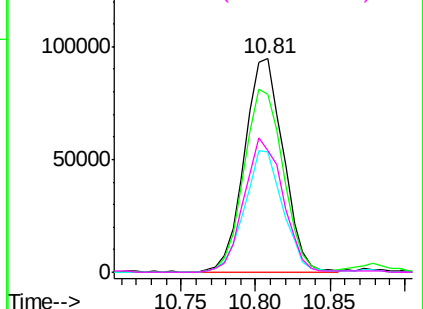
#55
 1,1,2-Trichloroethane
 Concen: 50.24 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 170966
 Ion Ratio Lower Upper
 97 100
 83 83.6 66.0 99.0
 85 56.6 44.4 66.6
 99 57.1 51.4 77.0

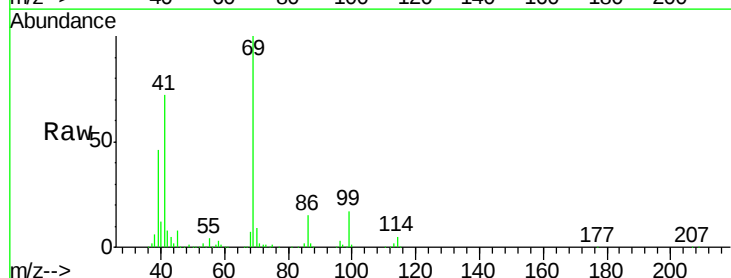


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

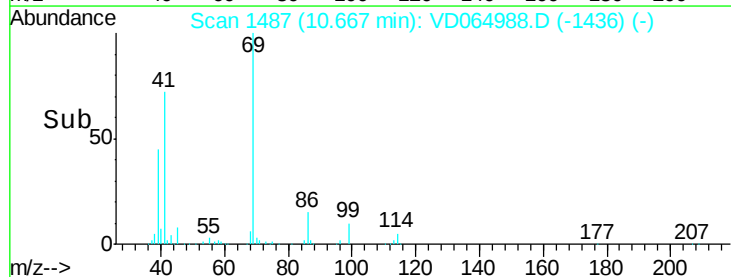
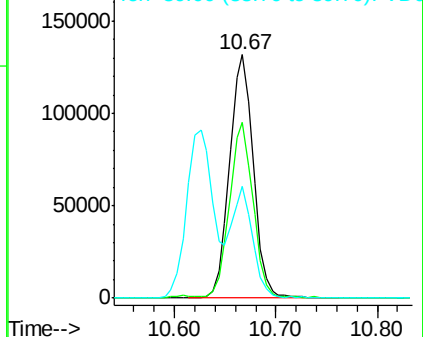


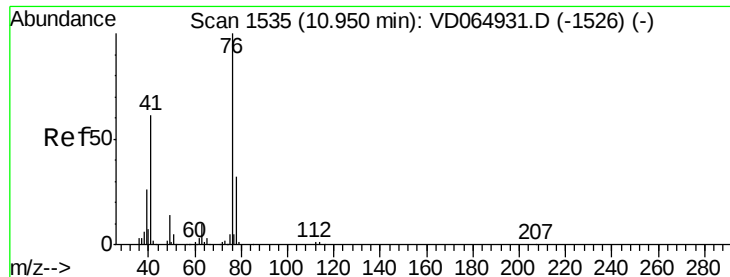
#56
 Ethyl methacrylate
 Concen: 52.82 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion: 69 Resp: 214957
 Ion Ratio Lower Upper
 69 100
 41 69.7 56.4 84.6
 39 39.9 30.6 46.0



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: 52.49 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

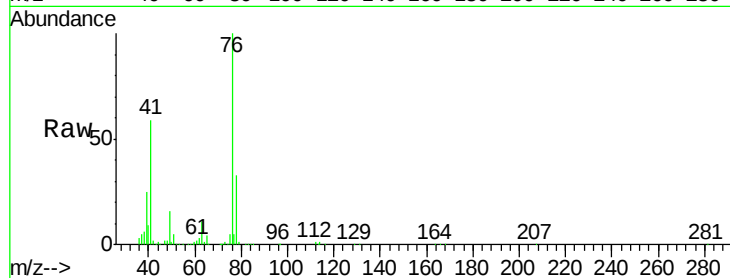
VSTDCCC050

Tgt Ion: 76 Resp: 306362

Ion Ratio Lower Upper

76 100

78 31.8 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

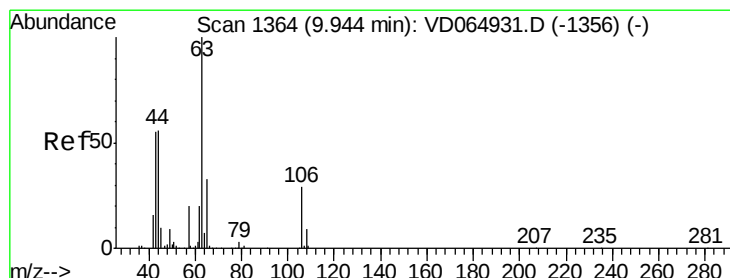
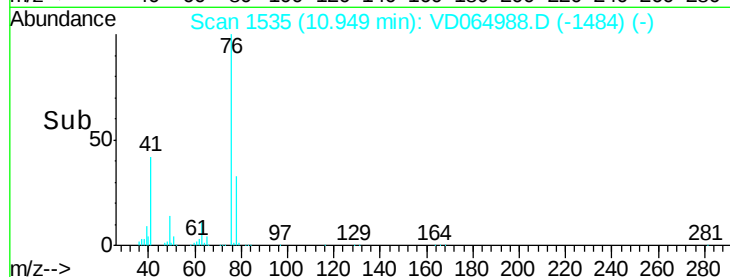
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 238.18 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064988.D

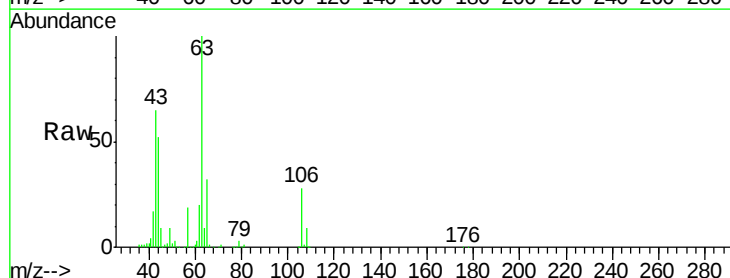
Acq: 29 Jan 2020 10:45

Tgt Ion: 63 Resp: 322019

Ion Ratio Lower Upper

63 100

106 29.5 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

200000

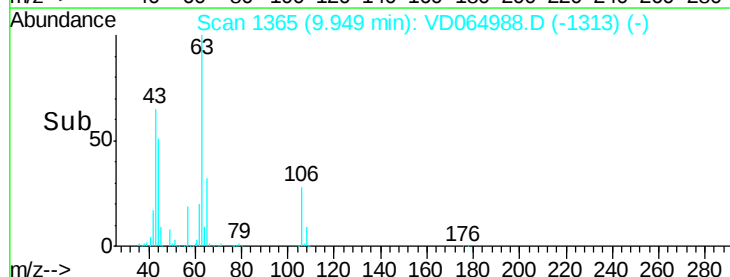
150000

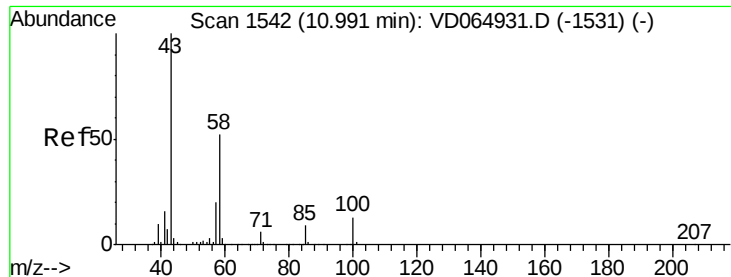
100000

50000

0

Time-->

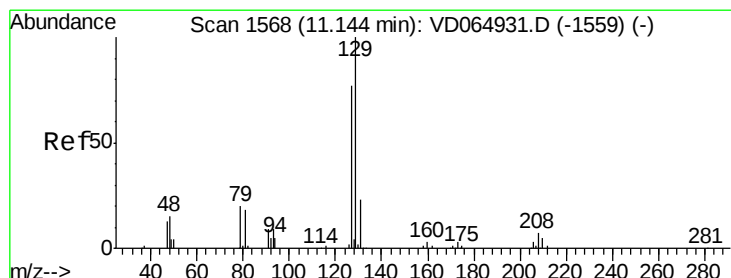
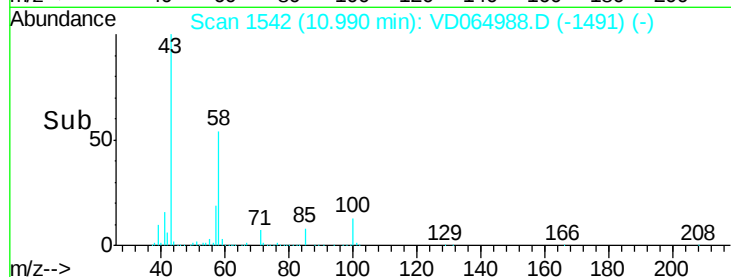
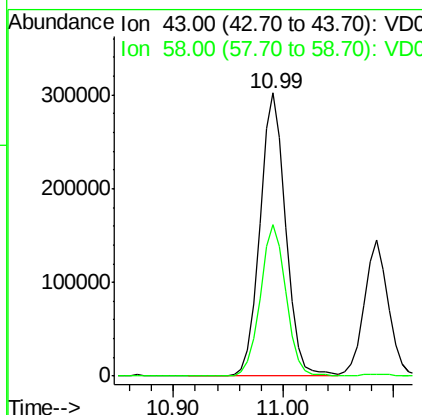
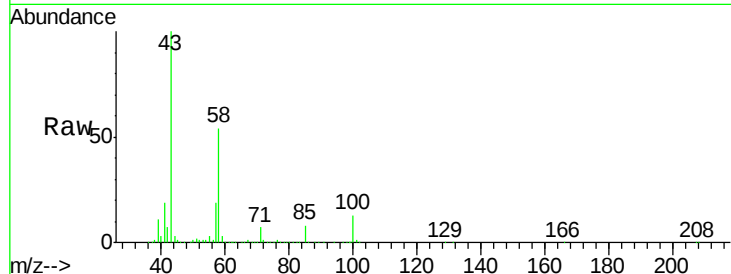




#59
2-Hexanone
Concen: 263.63 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

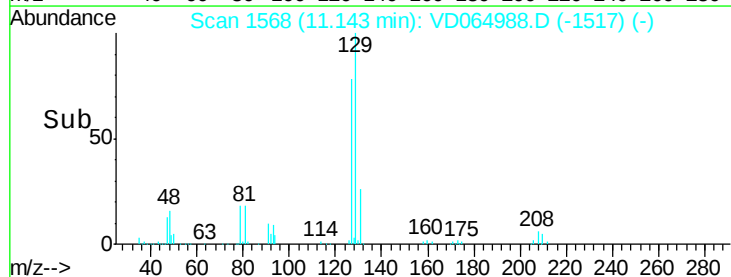
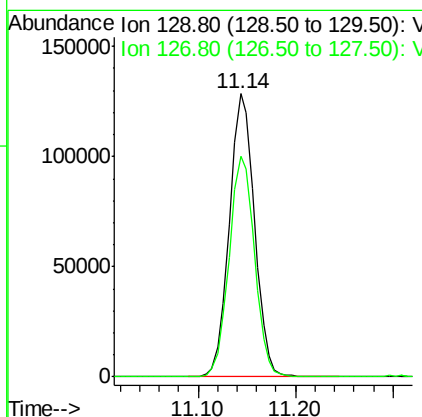
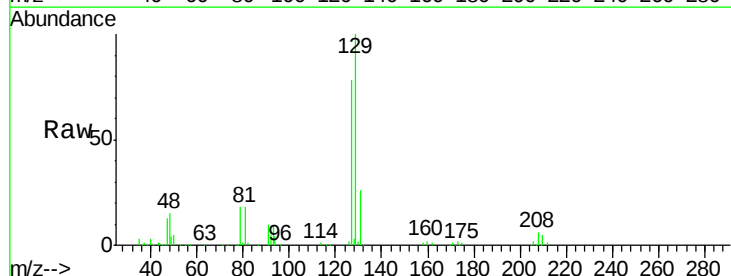
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

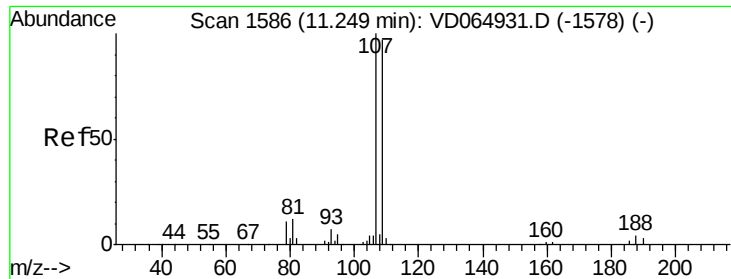
Tgt Ion: 43 Resp: 494805
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.4



#60
Dibromochloromethane
Concen: 50.66 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 129 Resp: 230443
Ion Ratio Lower Upper
129 100
127 78.9 38.2 114.6

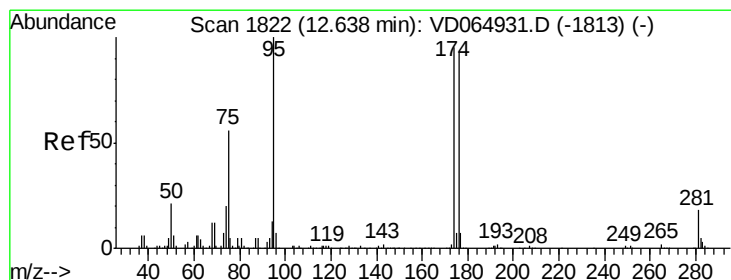
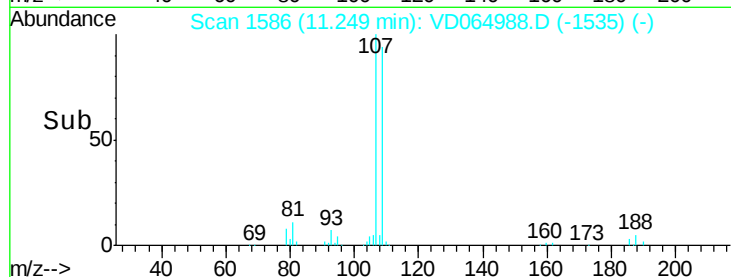
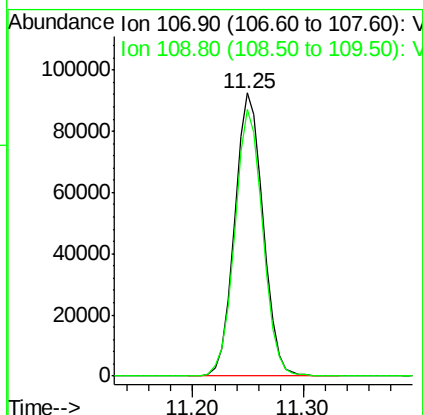
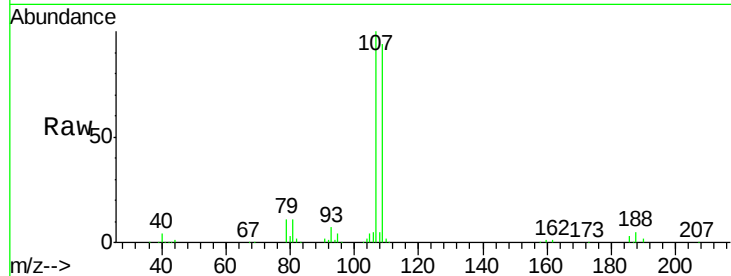




#61
 1,2-Dibromoethane
 Concen: 51.12 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

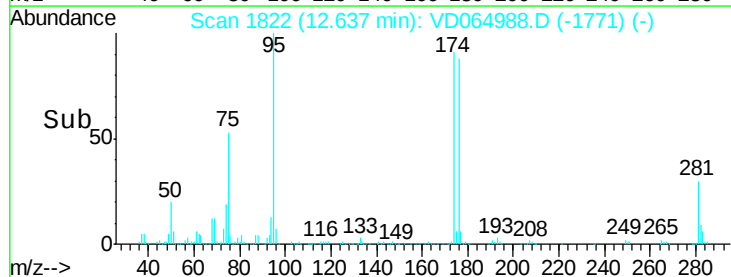
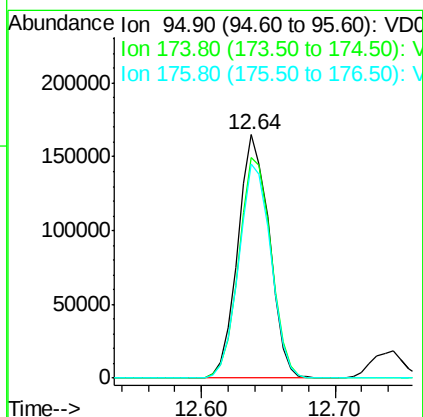
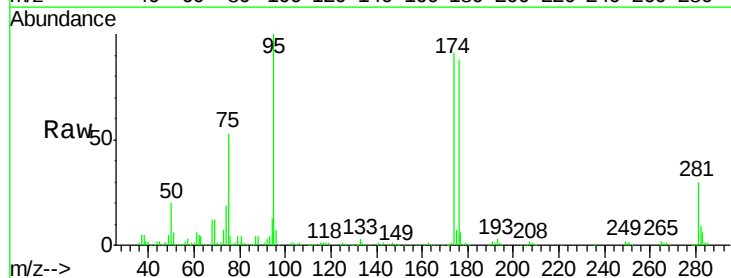
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 167520
 Ion Ratio Lower Upper
 107 100
 109 92.9 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 50.33 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion: 95 Resp: 268499
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 186.8
 176 89.9 0.0 183.4

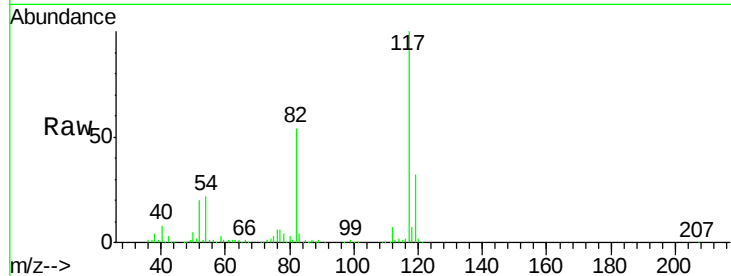




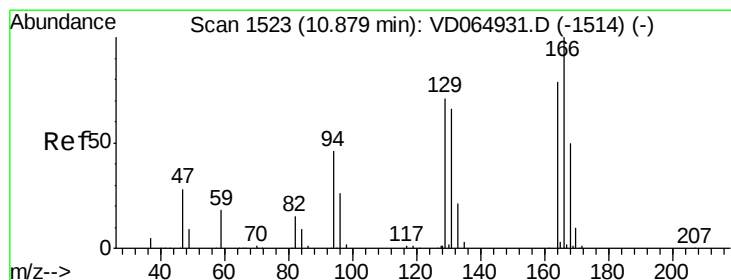
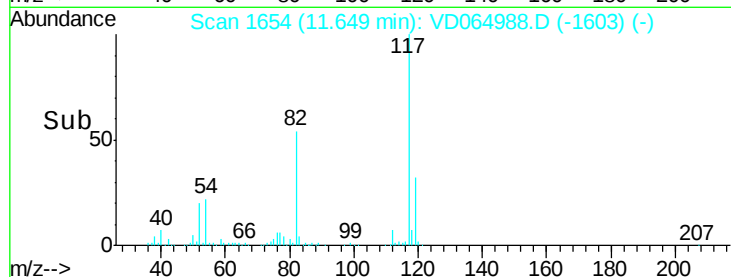
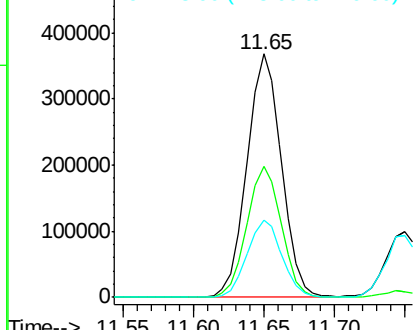
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 631402
Ion Ratio Lower Upper
117 100
82 53.6 43.6 65.4
119 32.0 25.2 37.8

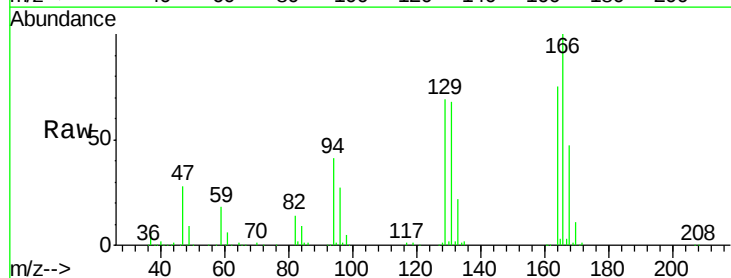


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

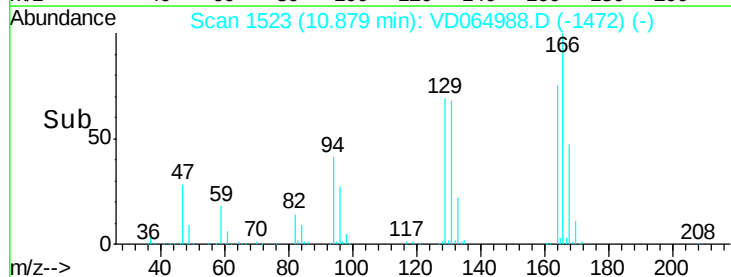
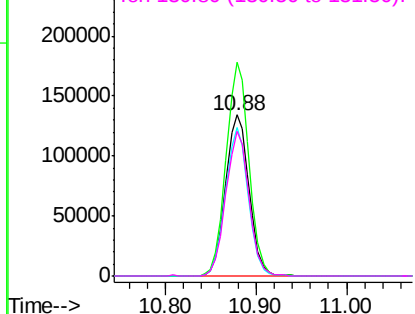


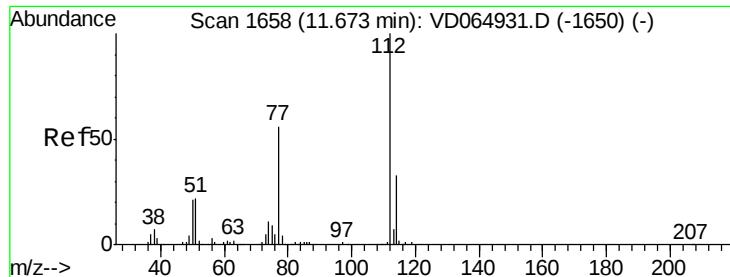
#64
Tetrachloroethene
Concen: 52.85 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion:164 Resp: 241138
Ion Ratio Lower Upper
164 100
166 132.6 101.4 152.2
129 91.9 71.8 107.8
131 89.8 66.8 100.2



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

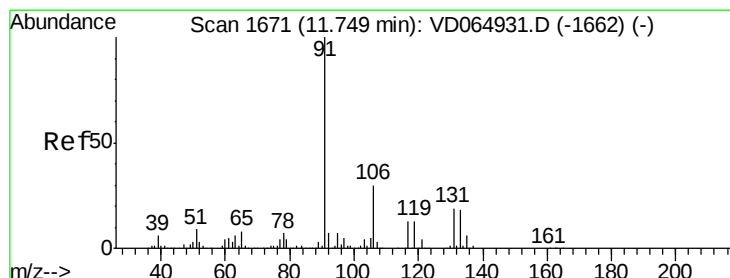
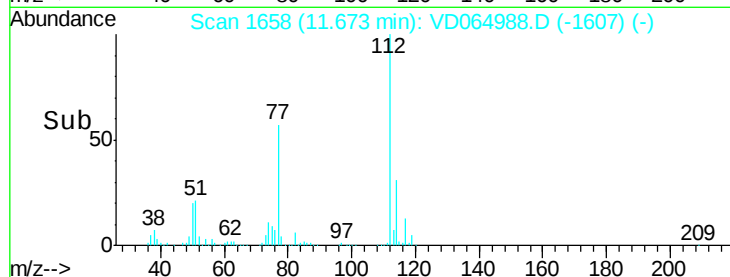
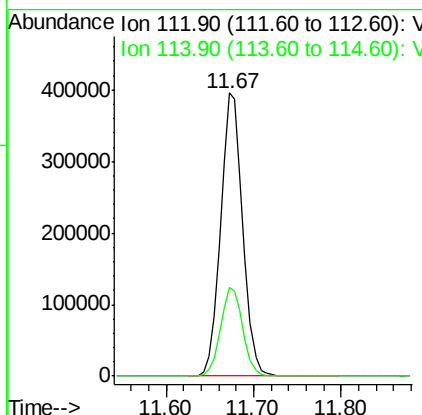
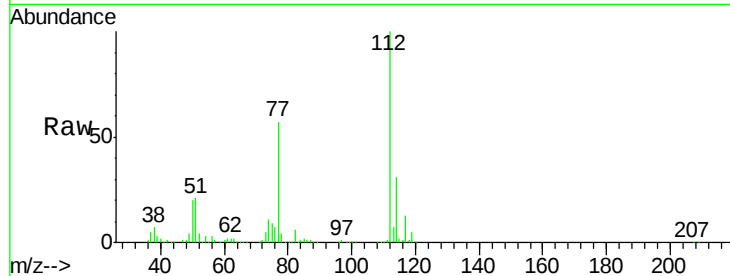




#65
Chlorobenzene
Concen: 53.43 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

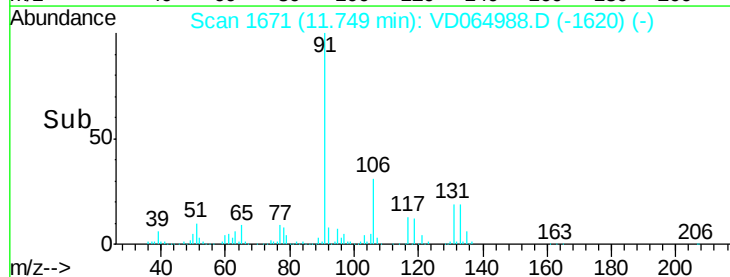
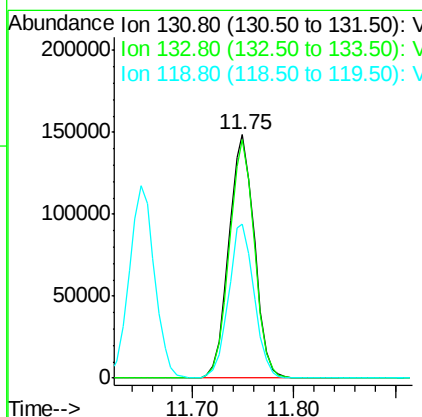
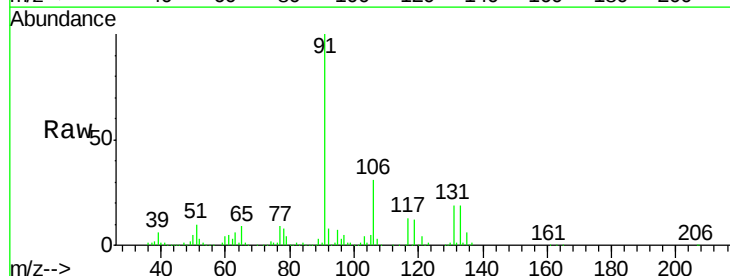
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

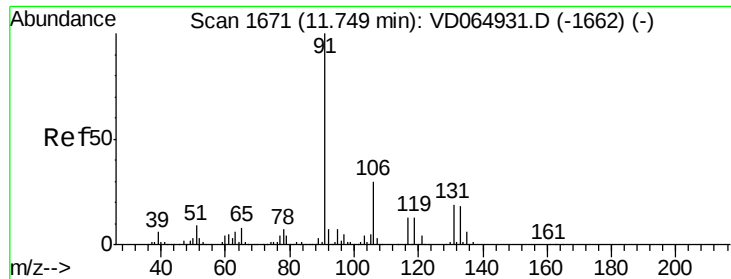
Tgt Ion:112 Resp: 684992
Ion Ratio Lower Upper
112 100
114 31.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.89 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion:131 Resp: 259808
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.5
119 62.8 31.1 93.5





#67

Ethyl Benzene

Concen: 55.48 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

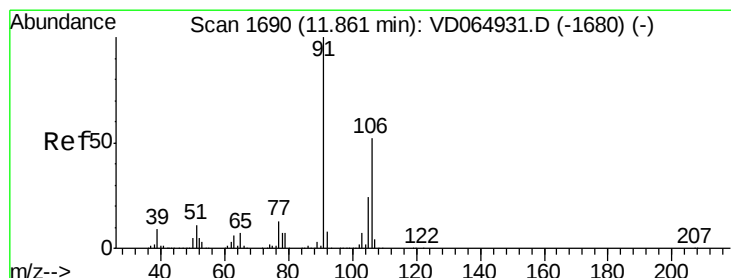
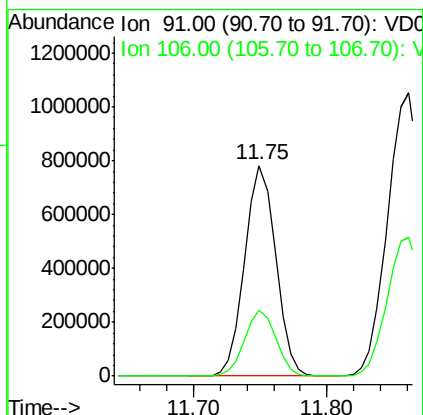
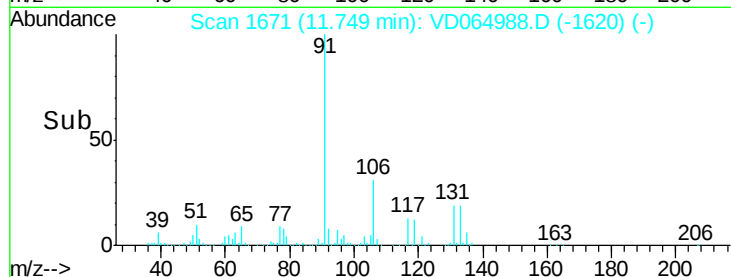
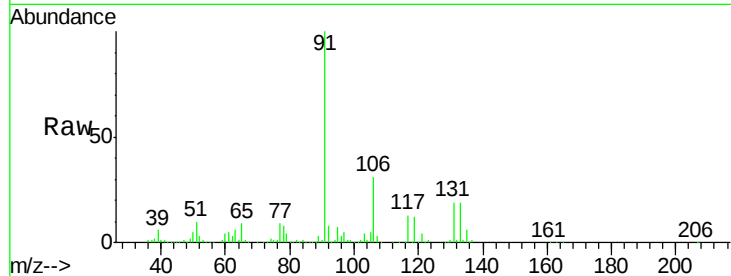
VSTDCCC050

Tgt Ion: 91 Resp: 1262753

Ion Ratio Lower Upper

91 100

106 31.5 24.3 36.5



#68

m/p-Xylenes

Concen: 112.57 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD064988.D

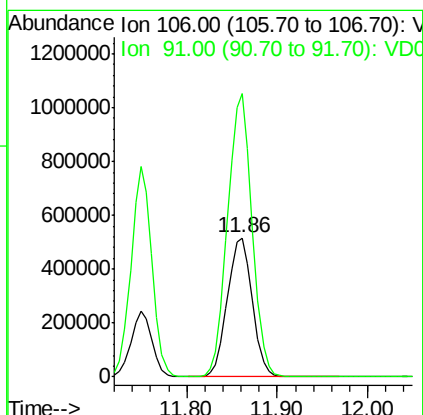
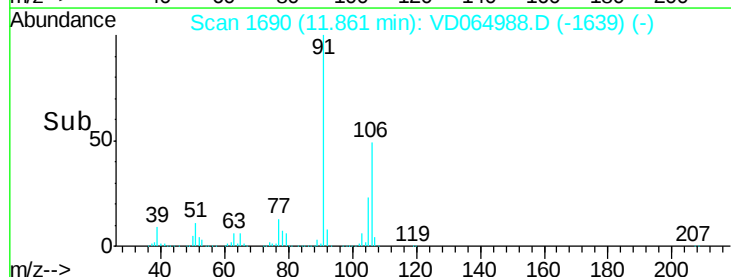
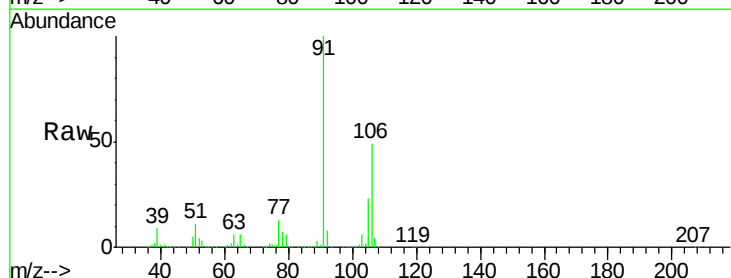
Acq: 29 Jan 2020 10:45

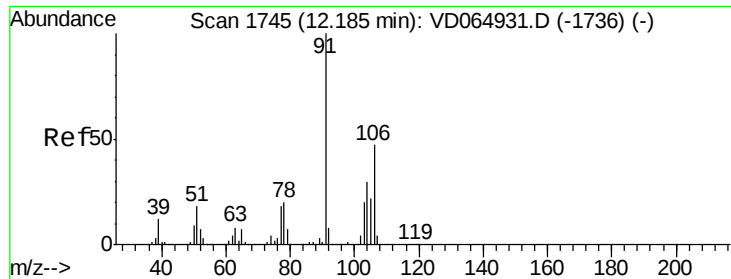
Tgt Ion: 106 Resp: 986424

Ion Ratio Lower Upper

106 100

91 199.7 159.0 238.4

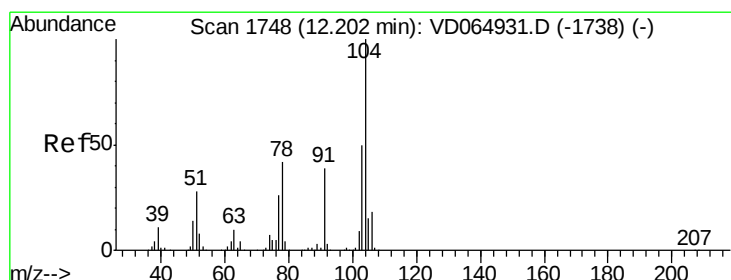
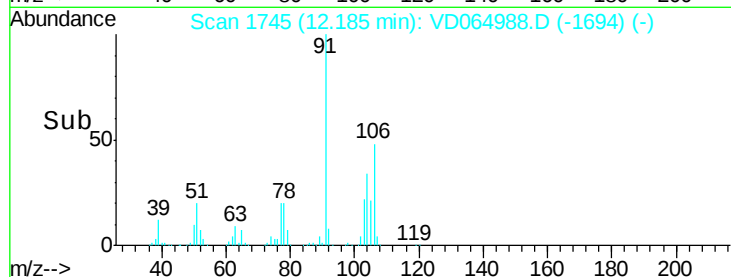
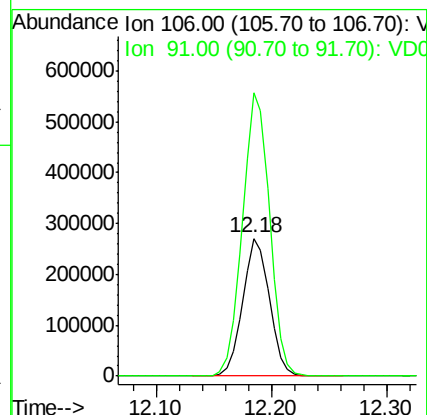
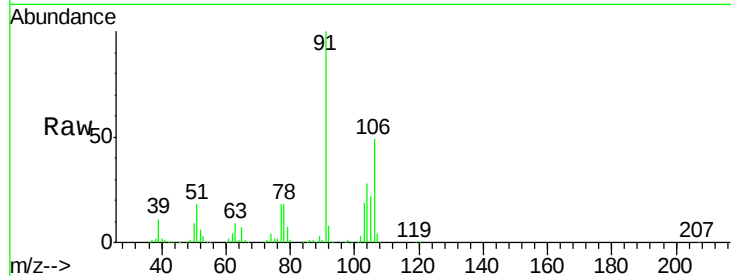




#69
o-Xylene
Concen: 55.80 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

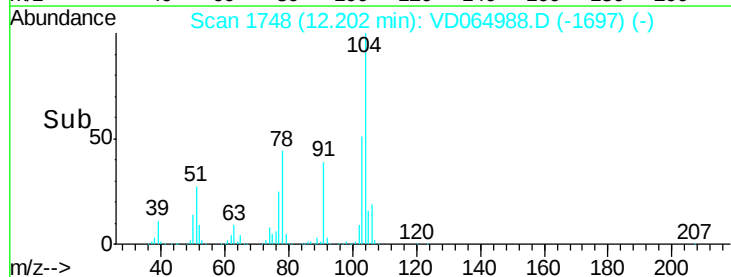
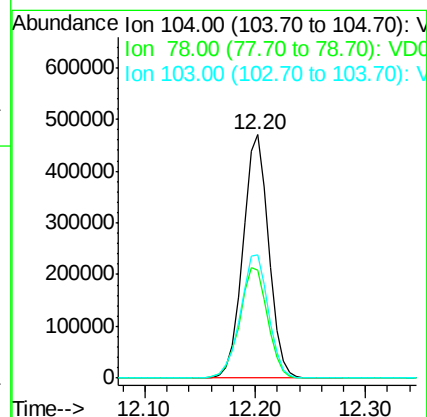
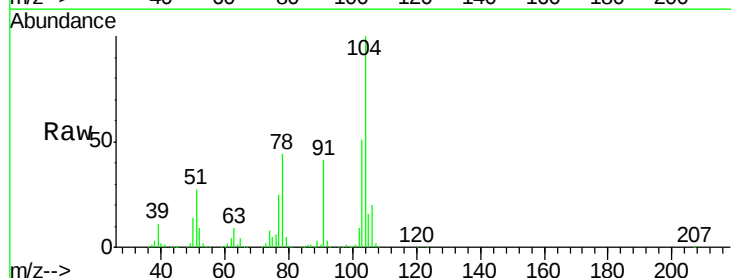
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

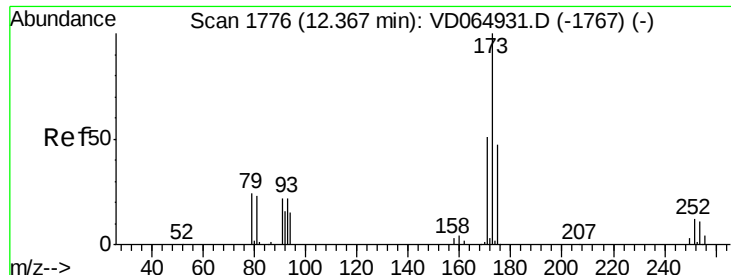
Tgt Ion:106 Resp: 433978
Ion Ratio Lower Upper
106 100
91 209.6 106.7 319.9



#70
Styrene
Concen: 55.51 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion:104 Resp: 769093
Ion Ratio Lower Upper
104 100
78 49.4 38.3 57.5
103 55.2 43.5 65.3

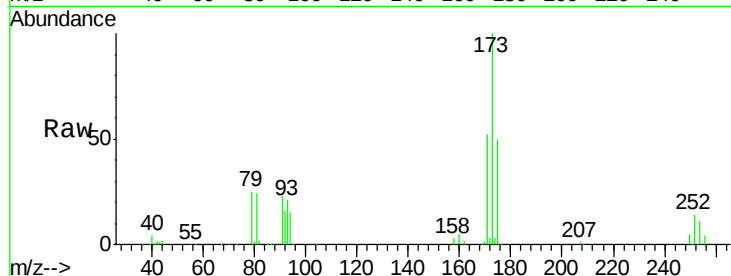




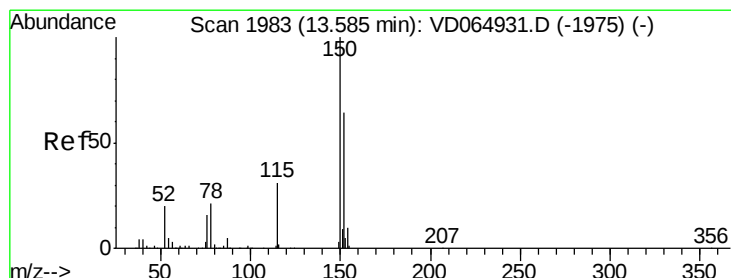
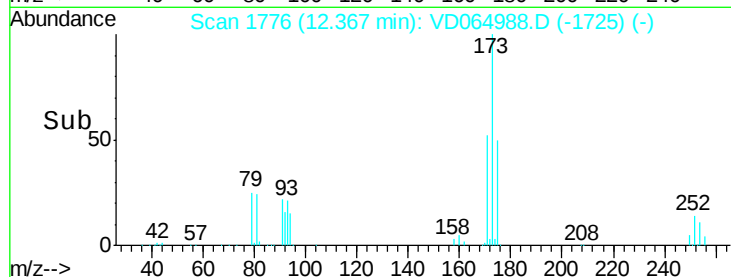
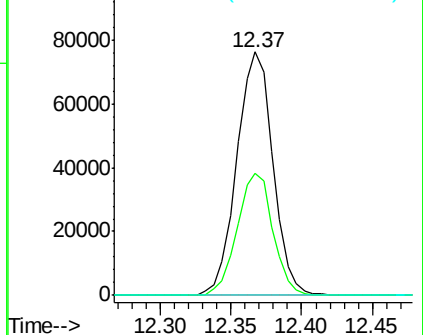
#71
Bromoform
Concen: 50.82 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 136200
Ion Ratio Lower Upper
173 100
175 49.7 24.6 73.8
254 0.1 0.1 0.1#

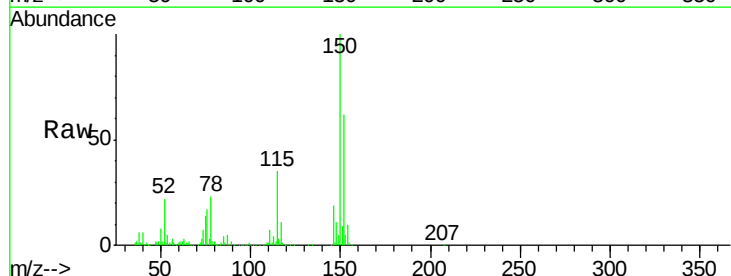


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

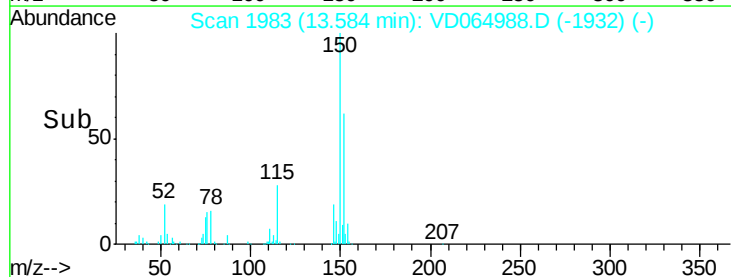
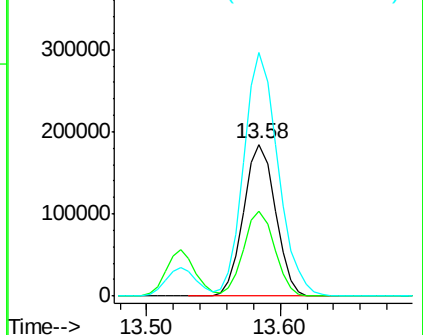


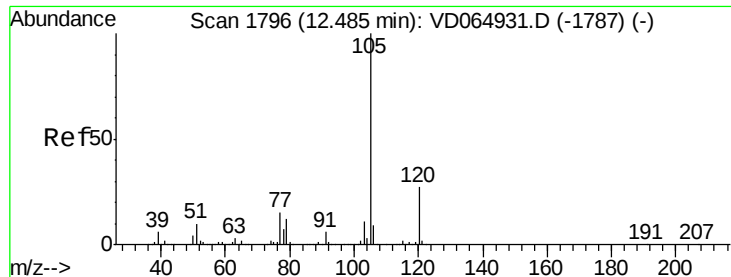
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion:152 Resp: 304839
Ion Ratio Lower Upper
152 100
115 54.8 28.1 84.4
150 172.8 0.0 350.4



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: 57.59 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

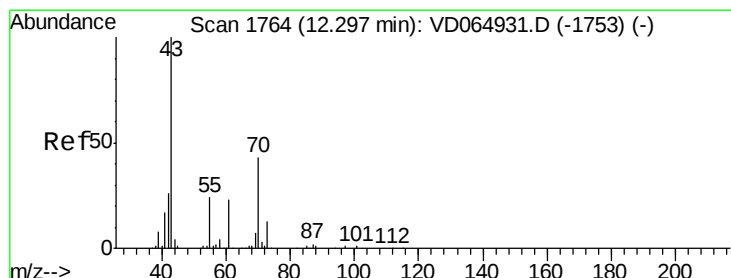
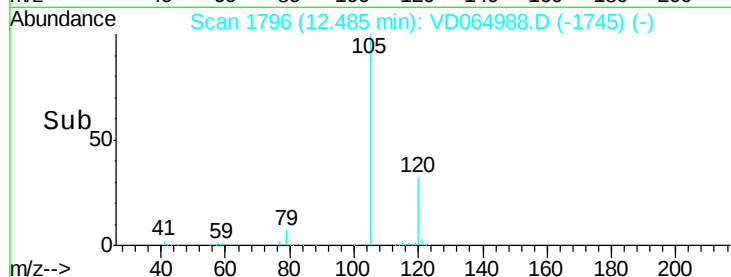
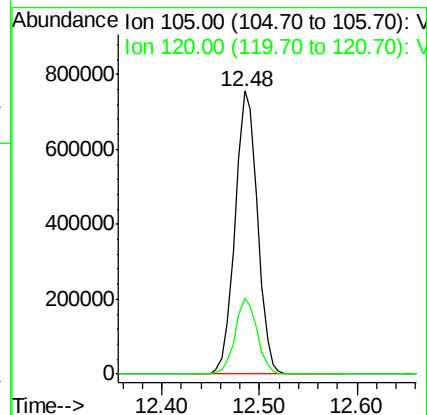
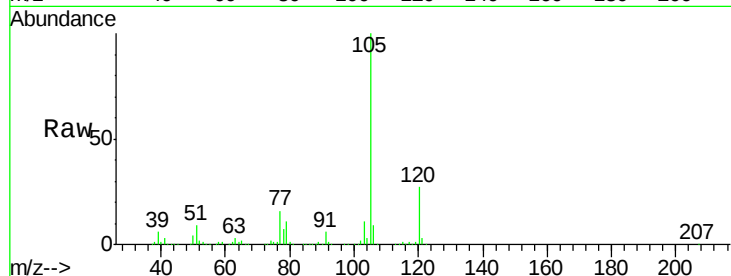
VSTDCCC050

Tgt Ion:105 Resp: 1199892

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 50.83 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Tgt Ion: 43 Resp: 236989

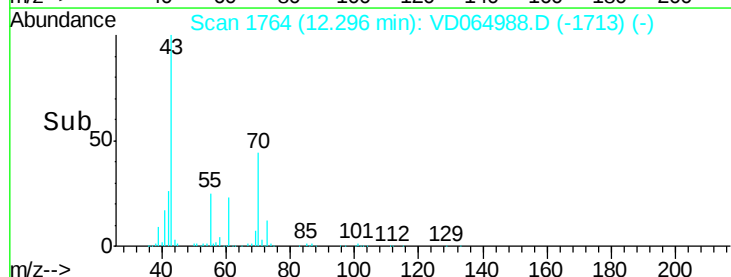
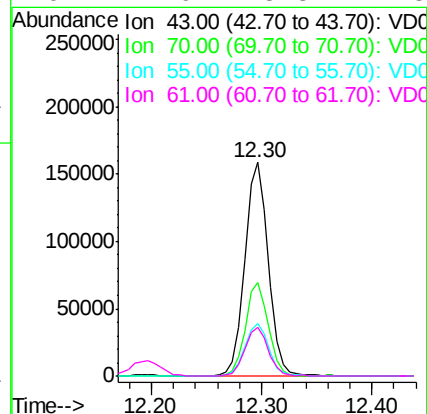
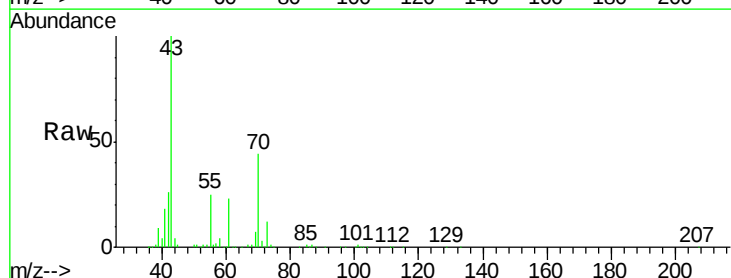
Ion Ratio Lower Upper

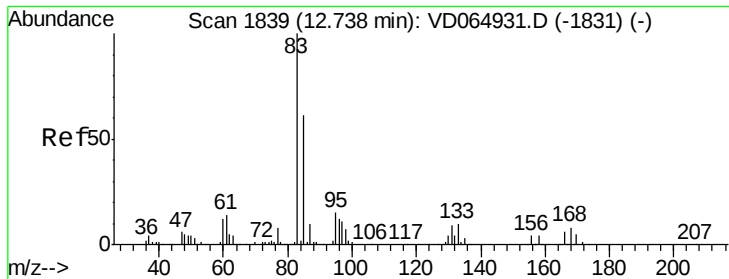
43 100

70 42.5 32.6 49.0

55 25.4 19.9 29.9

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.47 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

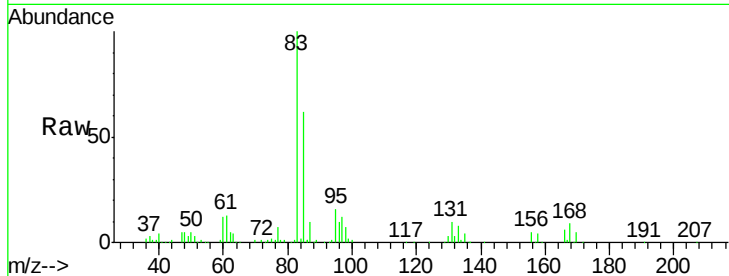
Tgt Ion: 83 Resp: 176748

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.4

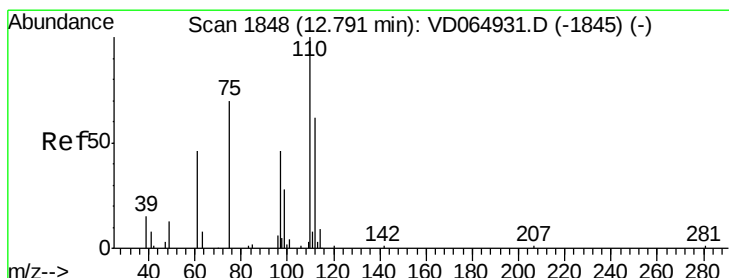
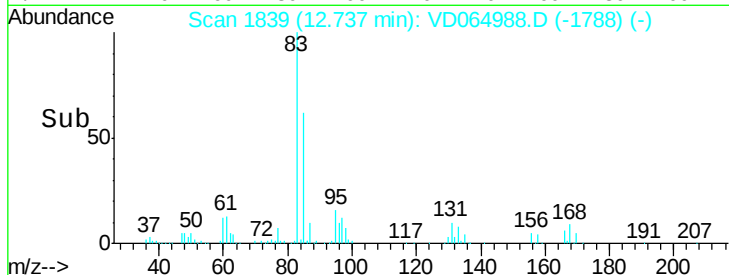
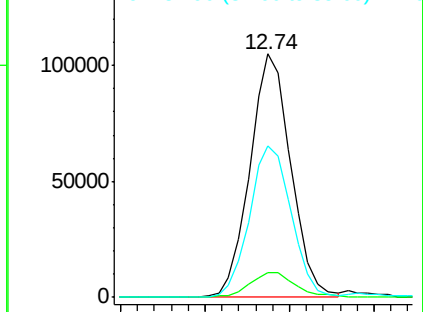
85 63.7 31.6 94.7



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: 95.98 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064988.D

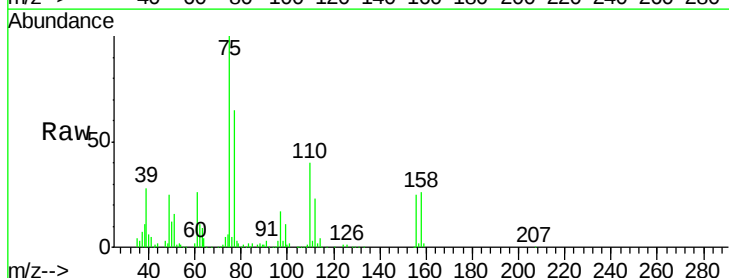
Acq: 29 Jan 2020 10:45

Tgt Ion: 75 Resp: 242846

Ion Ratio Lower Upper

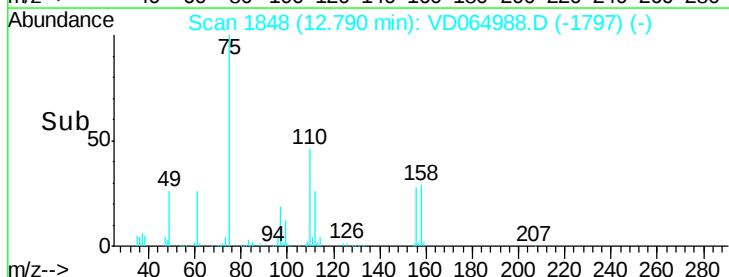
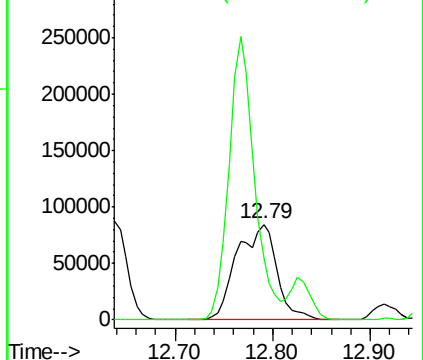
75 100

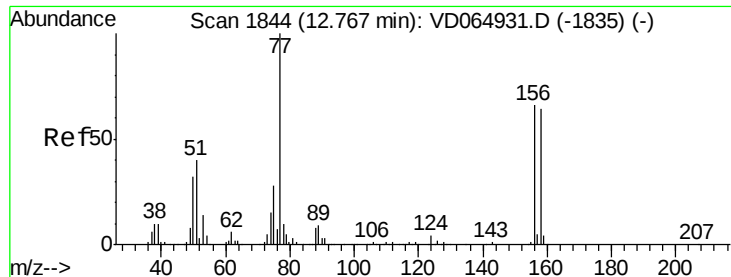
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 53.56 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

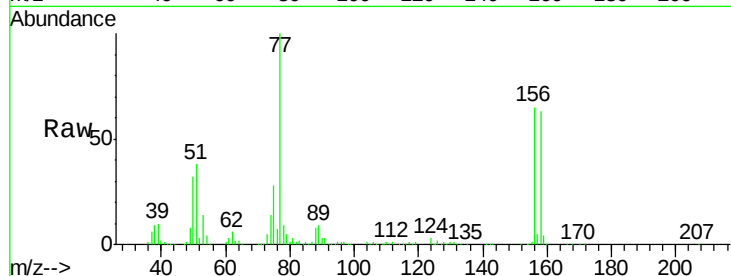
Tgt Ion: 156 Resp: 273044

Ion Ratio Lower Upper

156 100

77 167.1 84.2 252.5

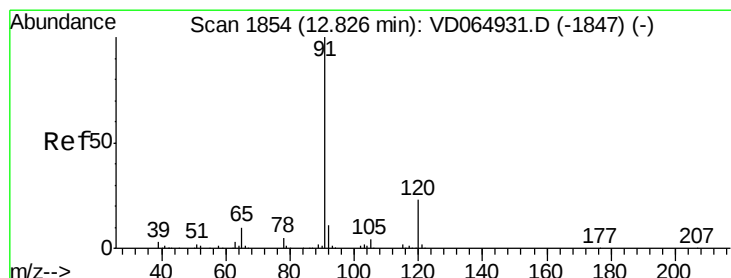
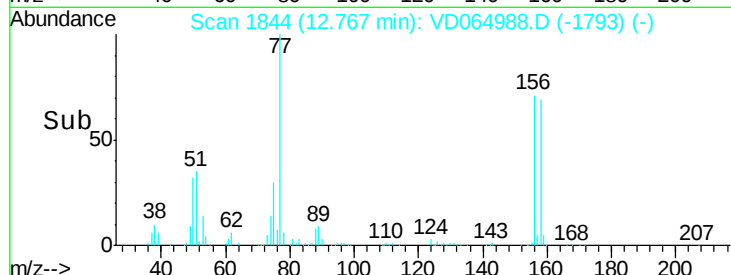
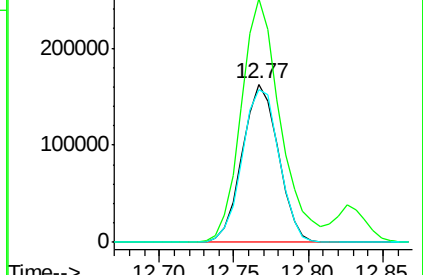
158 99.2 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.50 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064988.D

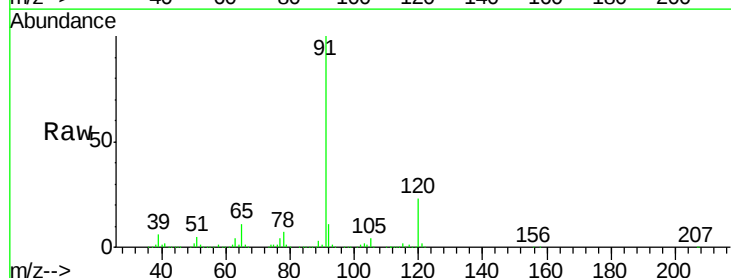
Acq: 29 Jan 2020 10:45

Tgt Ion: 91 Resp: 1400077

Ion Ratio Lower Upper

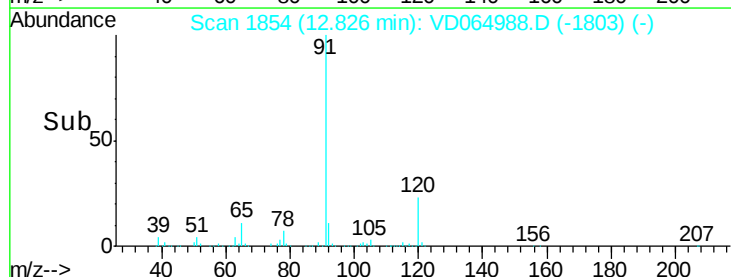
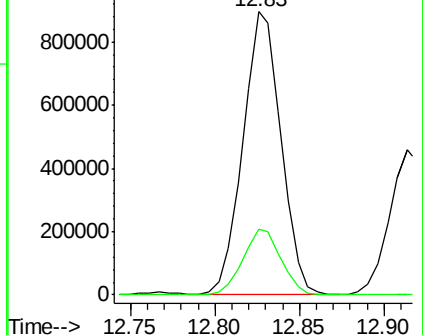
91 100

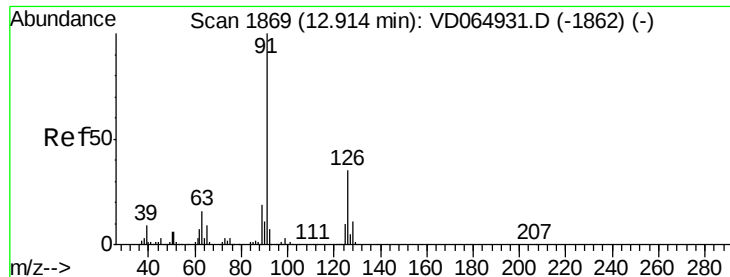
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

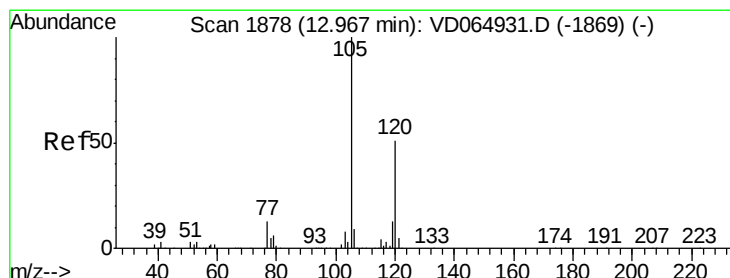
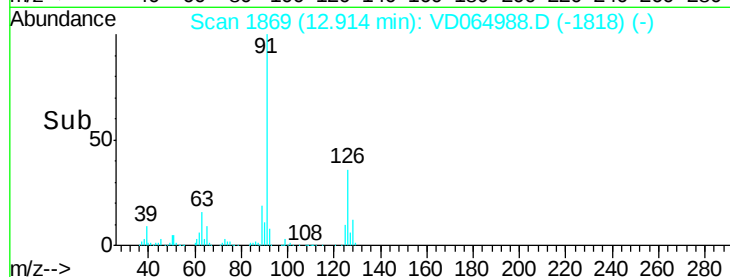
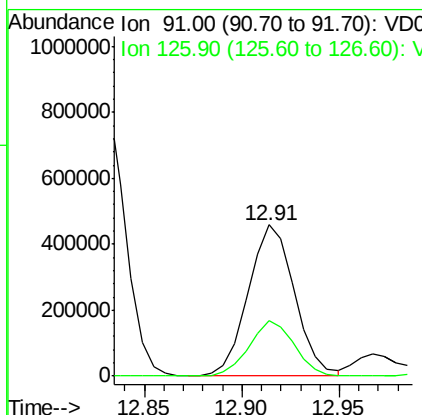
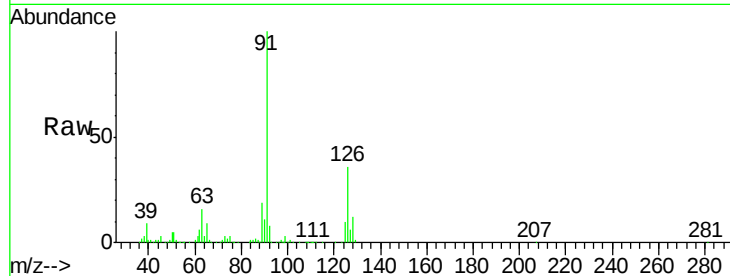




#79
 2-Chlorotoluene
 Concen: 55.64 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

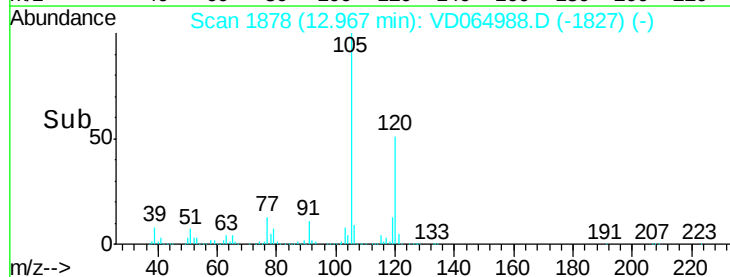
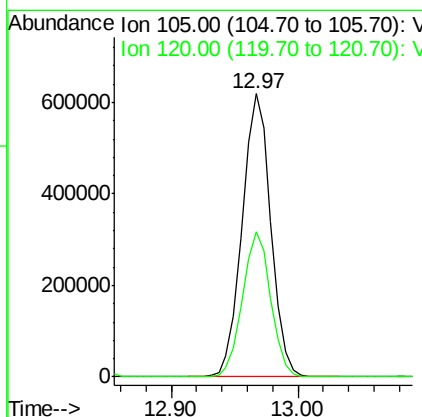
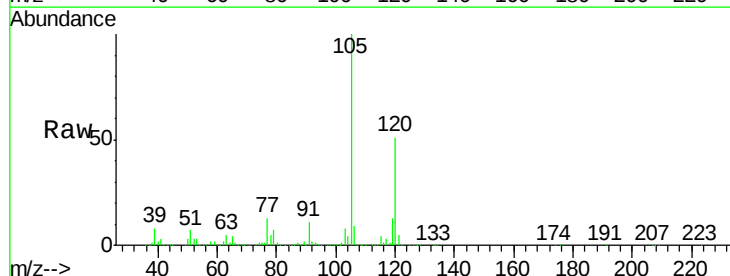
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

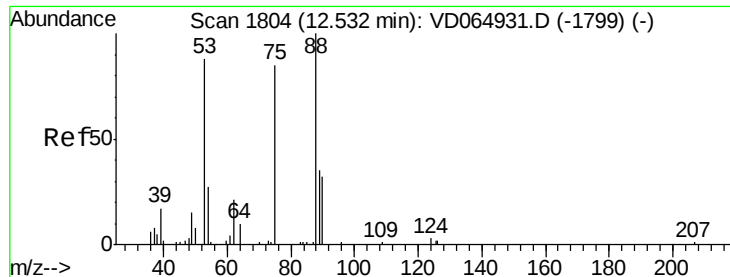
Tgt Ion: 91 Resp: 756341
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 56.57 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion: 105 Resp: 965987
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.6 76.8

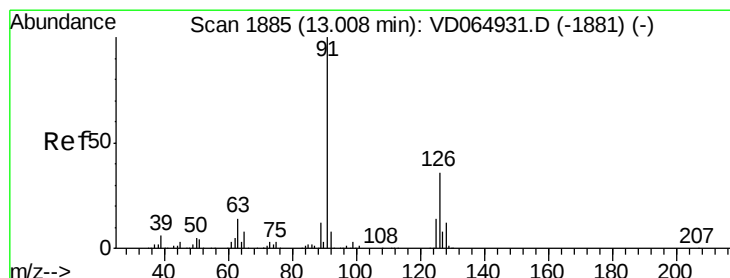
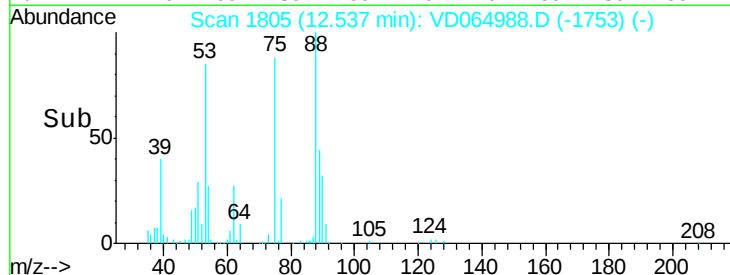
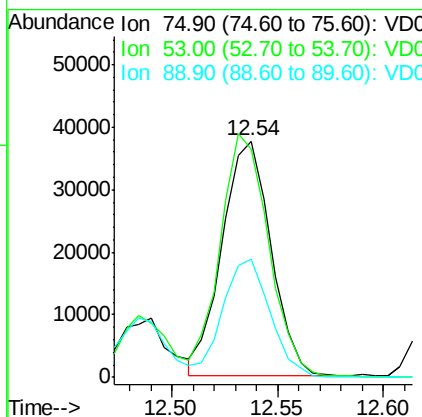
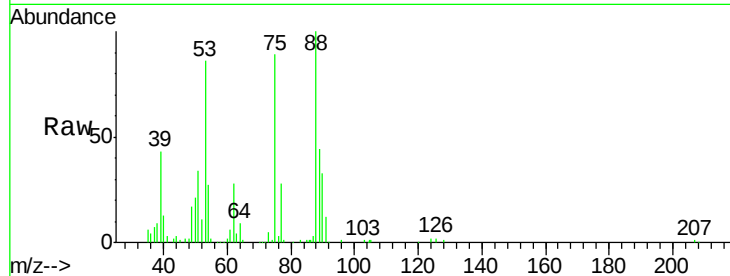




#81
trans-1,4-Dichloro-2-butene
Concen: 50.88 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

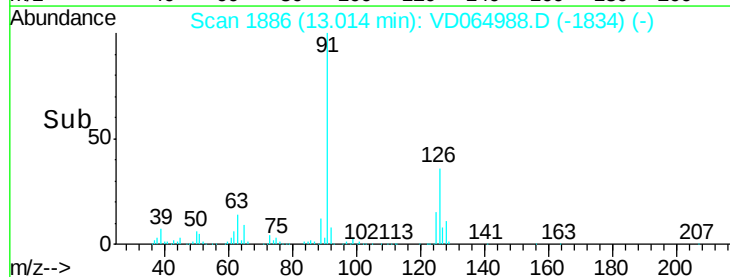
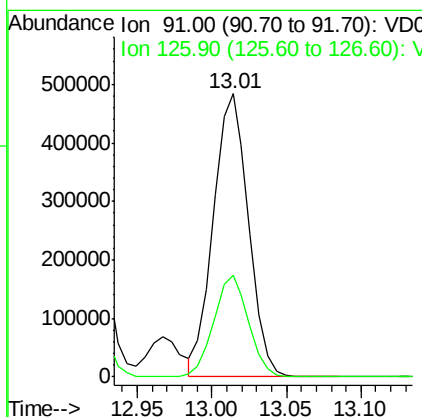
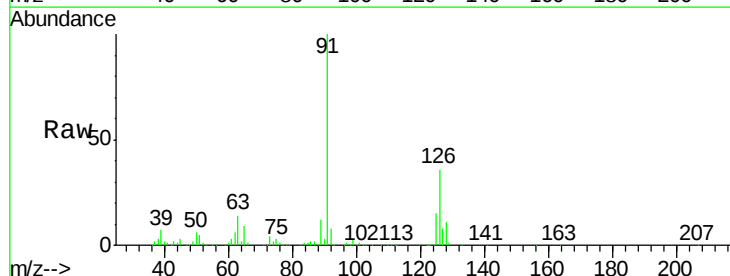
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 60295
Ion Ratio Lower Upper
75 100
53 103.1 81.0 121.4
89 49.1 36.2 54.4



#82
4-Chlorotoluene
Concen: 55.06 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 91 Resp: 793749
Ion Ratio Lower Upper
91 100
126 35.7 18.0 54.0

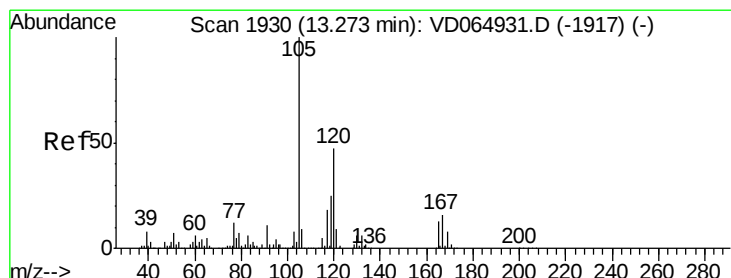
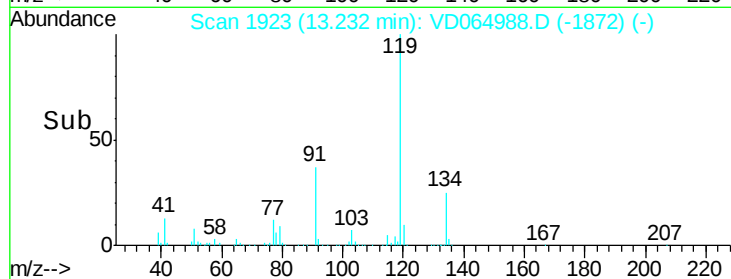
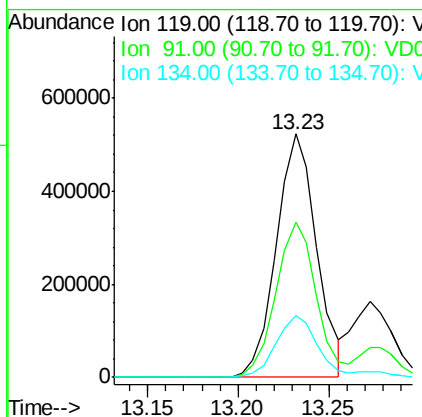
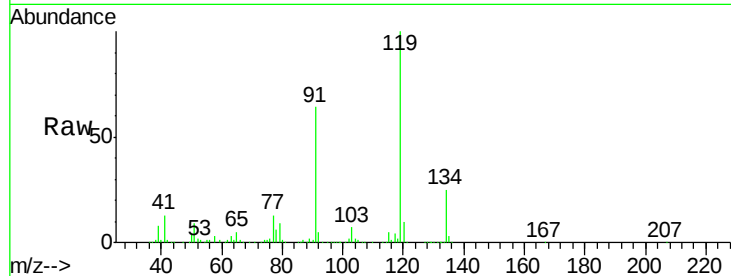




#83
 tert-Butylbenzene
 Concen: 55.93 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

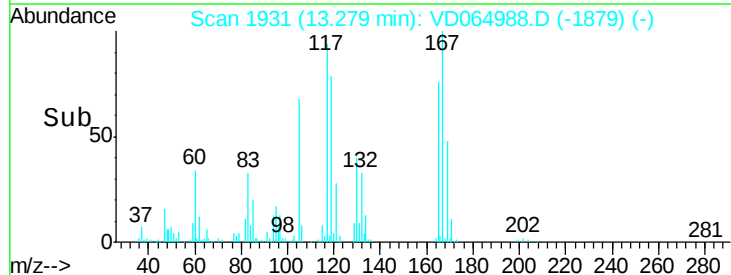
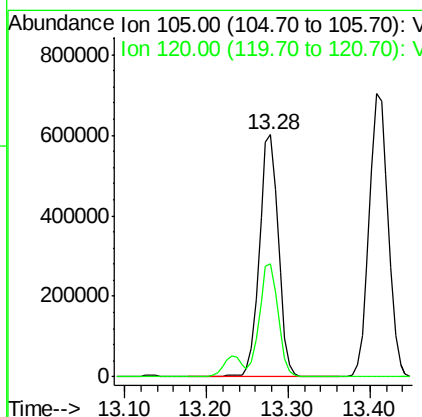
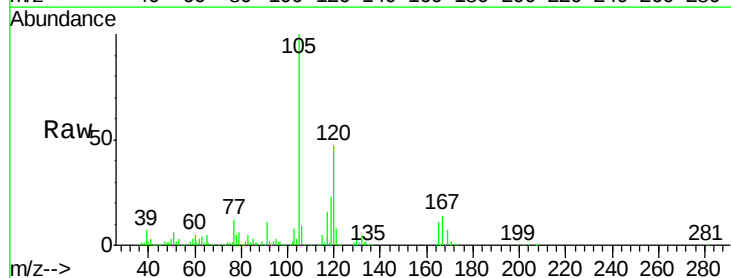
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

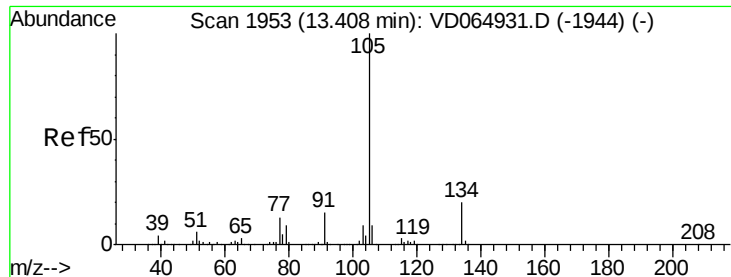
Tgt Ion:119 Resp: 810477
 Ion Ratio Lower Upper
 119 100
 91 64.8 32.0 96.0
 134 26.5 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 56.02 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion:105 Resp: 968922
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.3





#85

sec-Butylbenzene

Concen: 55.58 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

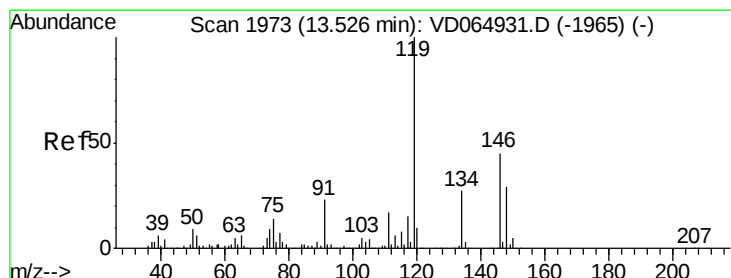
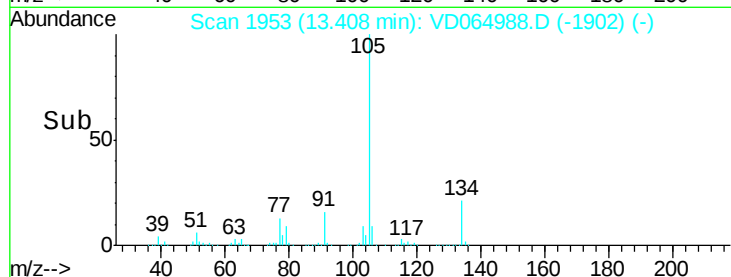
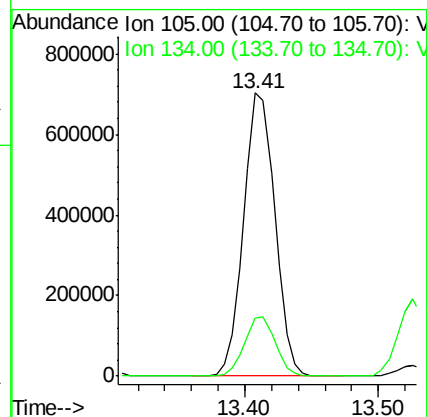
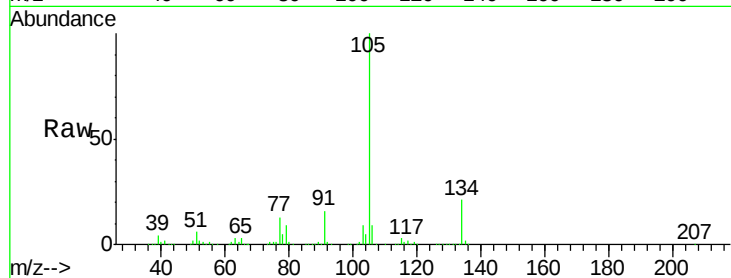
VSTDCCC050

Tgt Ion:105 Resp: 1140194

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4



#86

p-Isopropyltoluene

Concen: 56.69 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

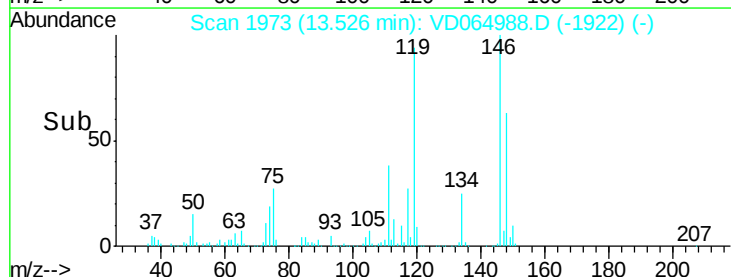
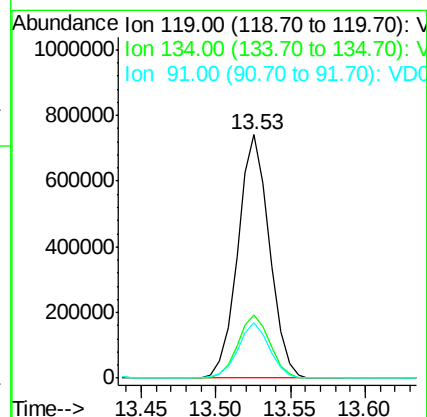
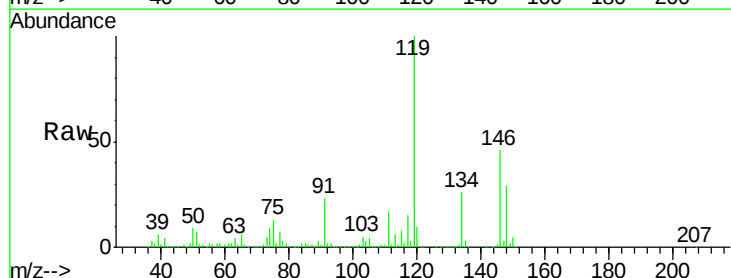
Tgt Ion:119 Resp: 1088288

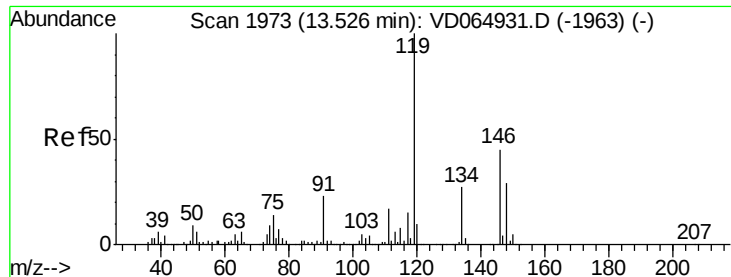
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.6 11.4 34.2

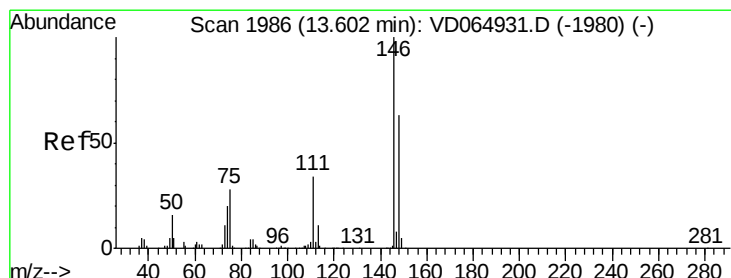
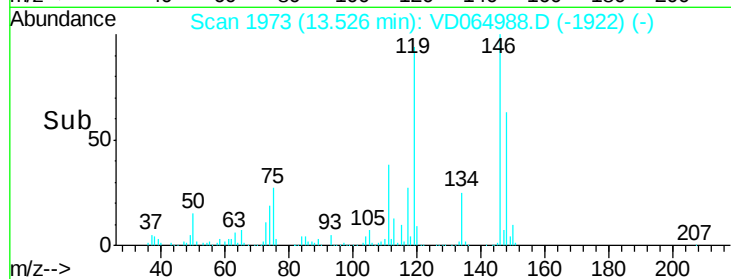
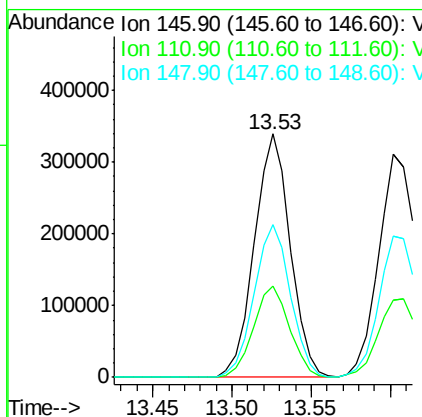
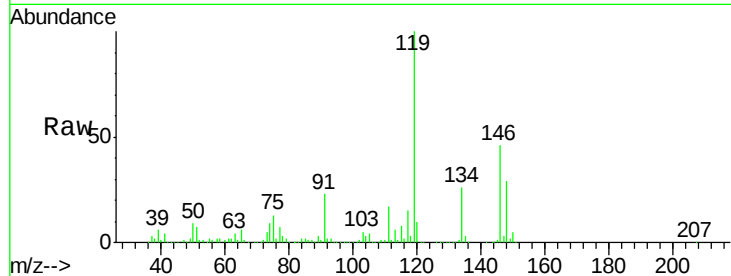




#87
 1,3-Dichlorobenzene
 Concen: 54.78 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

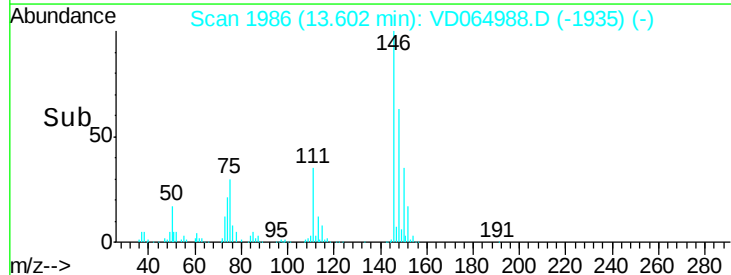
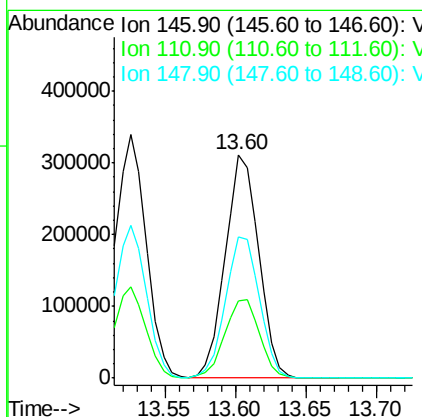
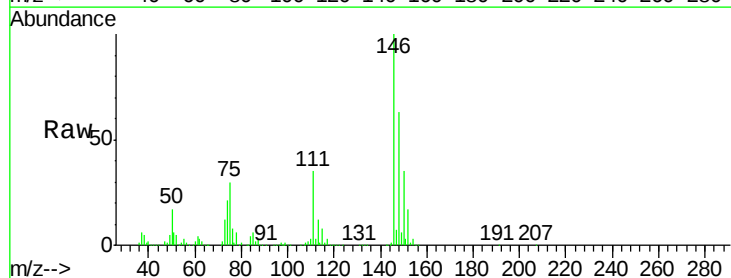
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

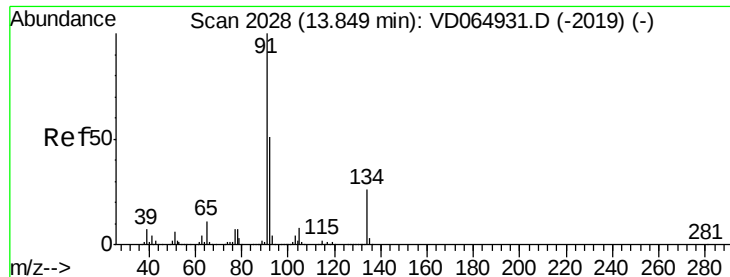
Tgt Ion:146 Resp: 535835
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.9
 148 63.2 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 53.01 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion:146 Resp: 514667
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.2 54.6
 148 64.5 32.0 96.0





#89

n-Butylbenzene

Concen: 56.18 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

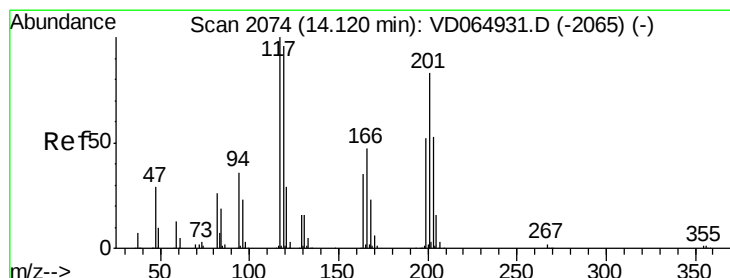
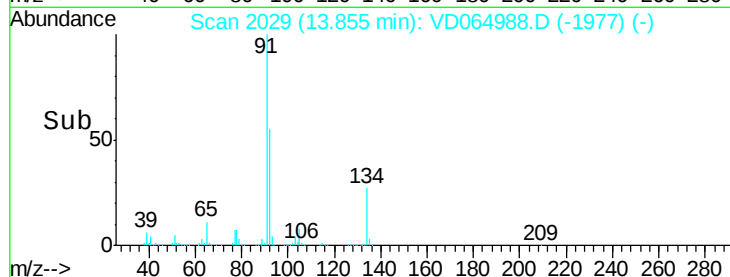
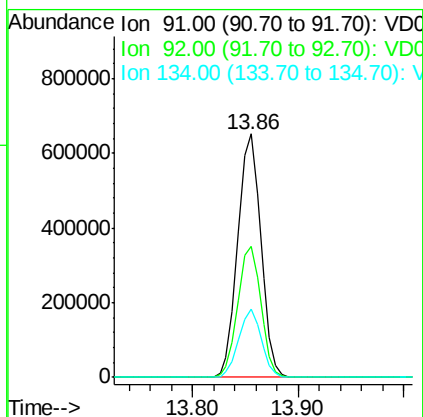
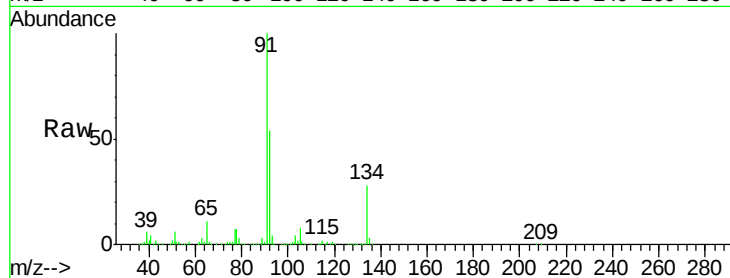
Tgt Ion: 91 Resp: 984371

Ion Ratio Lower Upper

91 100

92 54.0 26.4 79.0

134 27.3 13.3 39.9



#90

Hexachloroethane

Concen: 54.45 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD064988.D

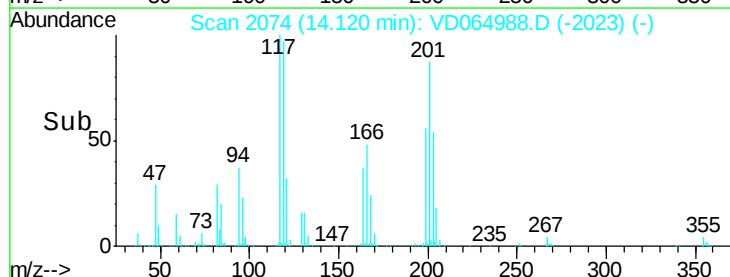
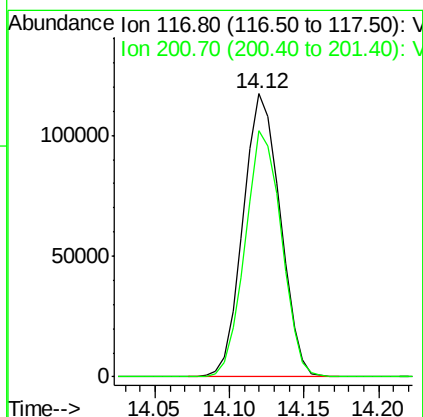
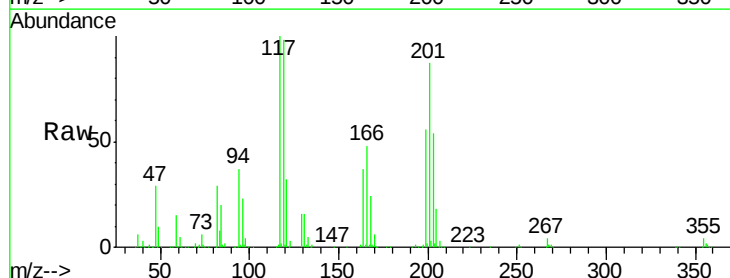
Acq: 29 Jan 2020 10:45

Tgt Ion: 117 Resp: 201583

Ion Ratio Lower Upper

117 100

201 85.2 41.1 123.3

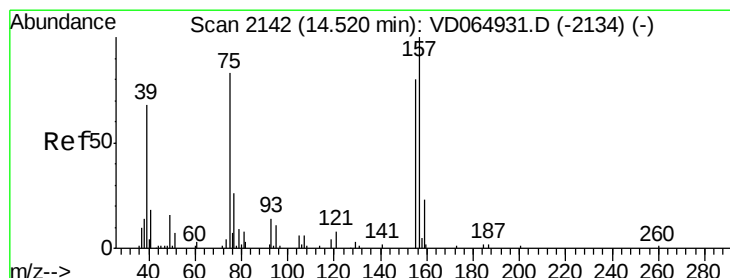
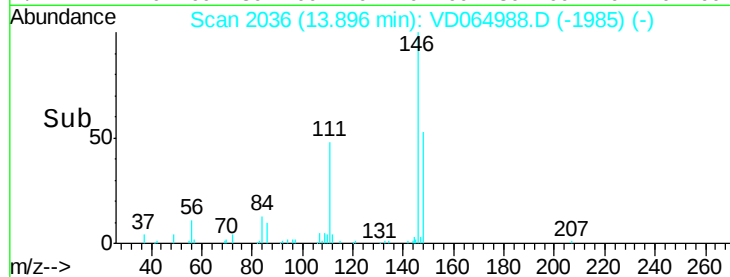
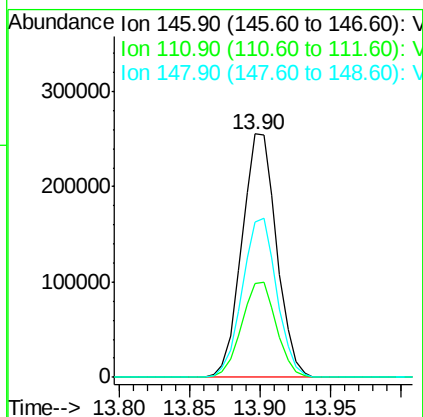
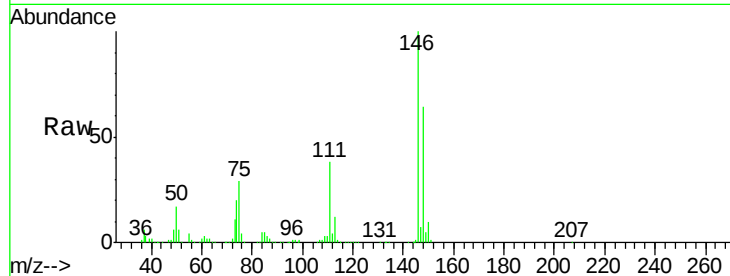




#91
 1,2-Dichlorobenzene
 Concen: 53.08 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

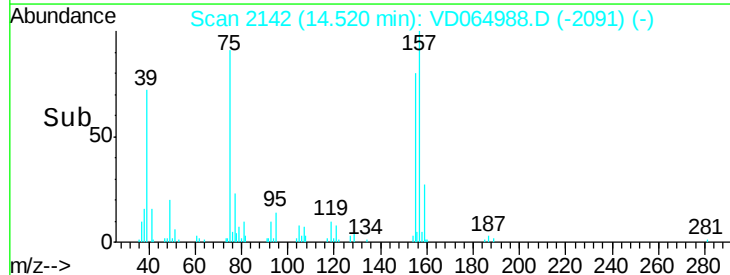
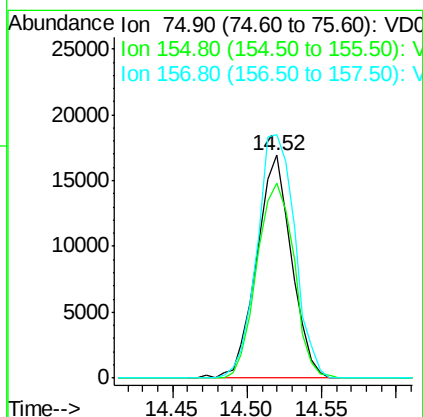
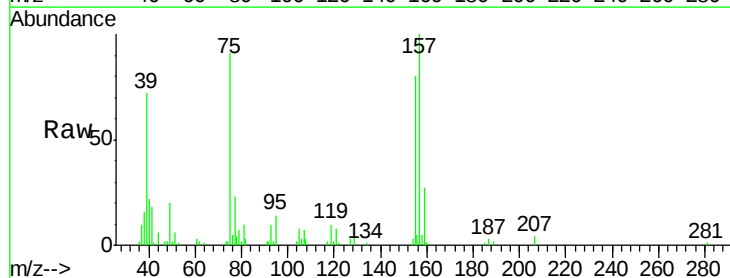
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

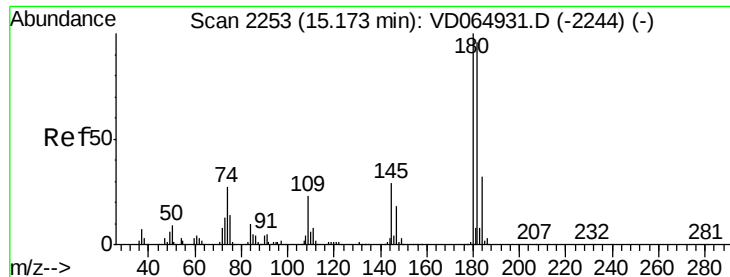
Tgt Ion:146 Resp: 440738
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.4 58.2
 148 64.9 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.78 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion: 75 Resp: 27338
 Ion Ratio Lower Upper
 75 100
 155 92.8 44.9 134.7
 157 118.4 58.9 176.6

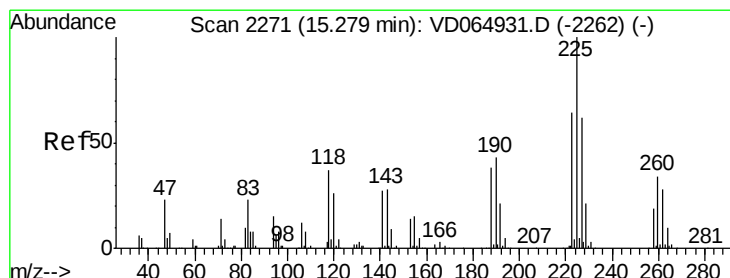
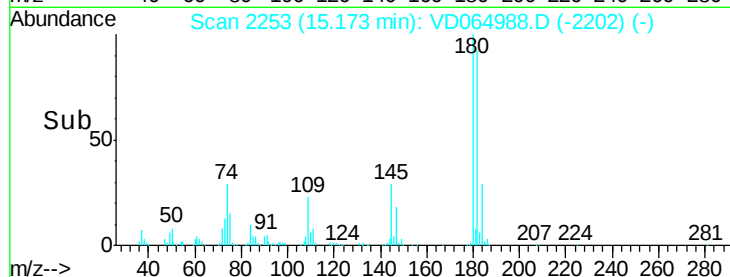
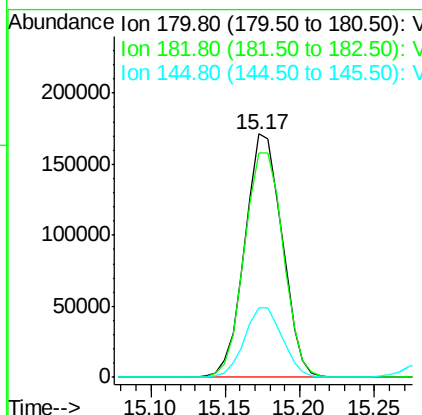
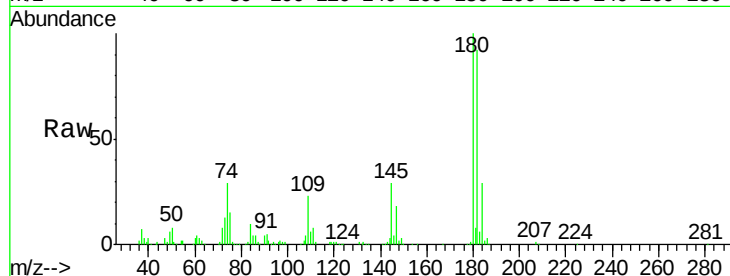




#93
 1,2,4-Trichlorobenzene
 Concen: 51.67 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

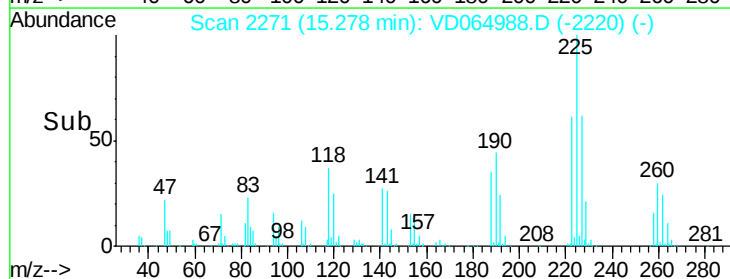
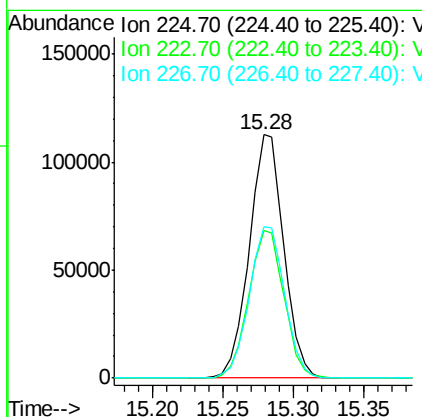
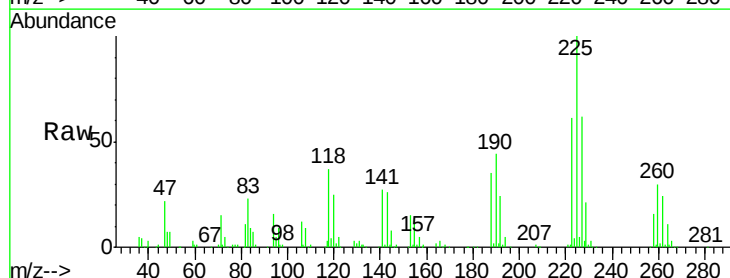
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

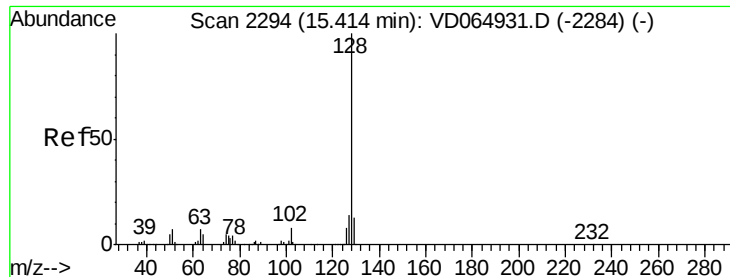
Tgt Ion:180 Resp: 296828
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.1 141.4
 145 29.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 53.30 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion:225 Resp: 193663
 Ion Ratio Lower Upper
 225 100
 223 62.0 32.4 97.2
 227 63.7 31.9 95.9





#95

Naphthalene

Concen: 52.10 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

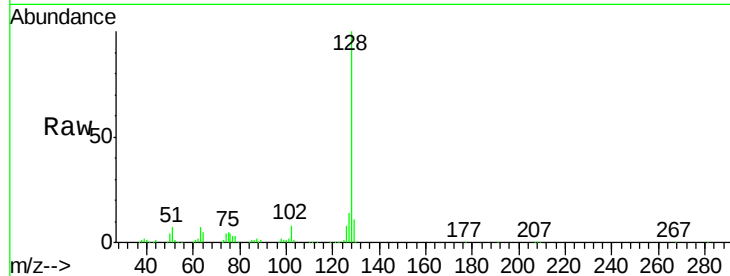
Tgt Ion:128 Resp: 483036

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

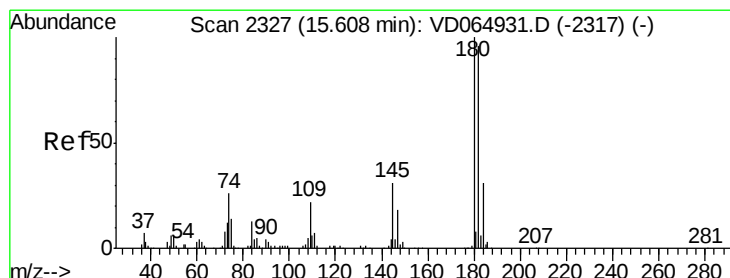
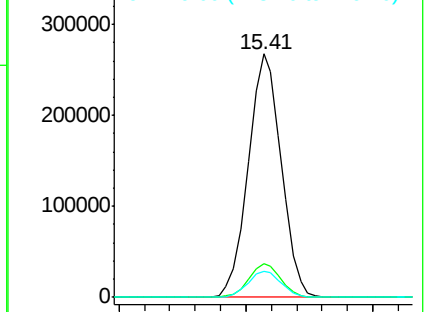
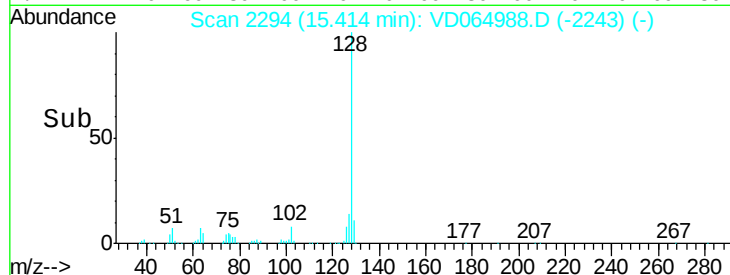
129 10.8 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.76 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

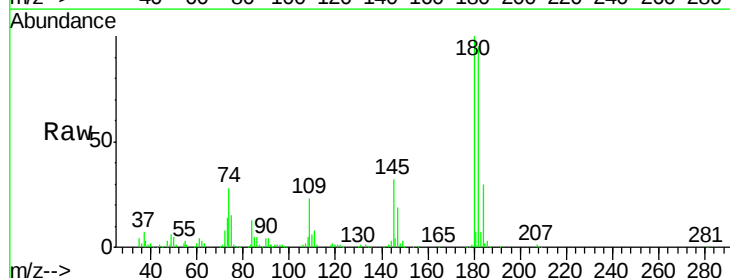
Tgt Ion:180 Resp: 257842

Ion Ratio Lower Upper

180 100

182 94.9 47.3 141.8

145 30.7 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

