

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065881.D
 Acq On : 29 Jun 2020 12:36
 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: Jun 30 04:23:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	188490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	307647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	277601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134252	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	93279	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=	95.26%	
35) Dibromofluoromethane	7.91	113	90931	47.82	ug/l	0.00
Spiked Amount						
			Recovery	=	95.64%	
50) Toluene-d8	10.34	98	346404	48.43	ug/l	0.00
Spiked Amount						
			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.64	95	115649	49.35	ug/l	0.00
Spiked Amount						
			Recovery	=	98.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	77403	42.946	ug/l	100
3) Chloromethane	2.21	50	112764	45.019	ug/l	93
4) Vinyl Chloride	2.35	62	116860	42.058	ug/l	98
5) Bromomethane	2.77	94	78150	43.002	ug/l	97
6) Chloroethane	2.92	64	72602	41.436	ug/l	98
7) Trichlorofluoromethane	3.27	101	166667	47.584	ug/l	100
8) Diethyl Ether	3.70	74	43777	47.541	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	93010	47.123	ug/l	97
10) Methyl Iodide	4.30	142	96188	46.887	ug/l	99
11) Tert butyl alcohol	5.23	59	26907	275.803	ug/l	97
12) 1,1-Dichloroethene	4.07	96	87747	47.695	ug/l	88
13) Acrolein	3.93	56	36043	253.261	ug/l	95
14) Allyl chloride	4.71	41	148126	51.042	ug/l	95
15) Acrylonitrile	5.41	53	94064	240.309	ug/l	99
16) Acetone	4.15	43	116029	302.420	ug/l	92
17) Carbon Disulfide	4.41	76	294668	47.408	ug/l	99
18) Methyl Acetate	4.71	43	39981	46.996	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	201665	49.989	ug/l	94
20) Methylene Chloride	4.96	84	105329	52.950	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	102709	48.754	ug/l	99
22) Diisopropyl ether	6.36	45	300398	49.632	ug/l	98
23) Vinyl Acetate	6.30	43	880890	251.818	ug/l	99
24) 1,1-Dichloroethane	6.26	63	174228	48.252	ug/l	98
25) 2-Butanone	7.21	43	132956	259.674	ug/l	96
26) 2,2-Dichloropropane	7.21	77	168927	50.980	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	111715	47.926	ug/l	99
28) Bromochloromethane	7.54	49	65112	47.986	ug/l	100
29) Tetrahydrofuran	7.56	42	79259	243.695	ug/l	97
30) Chloroform	7.71	83	184352	47.685	ug/l	100
31) Cyclohexane	7.98	56	162870	46.430	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	170726	48.125	ug/l	98
36) 1,1-Dichloropropene	8.11	75	150149	50.051	ug/l	98
37) Ethyl Acetate	7.28	43	56964	49.660	ug/l #	96
38) Carbon Tetrachloride	8.09	117	158510	48.931	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	173140	48.575	ug/l	95
40) Benzene	8.35	78	393274	47.252	ug/l	100
41) Methacrylonitrile	7.53	41	31508m	50.066	ug/l	
42) 1,2-Dichloroethane	8.43	62	118691	48.341	ug/l	97
43) Isopropyl Acetate	8.45	43	110902	49.895	ug/l	97
44) Trichloroethene	9.11	130	108010	47.905	ug/l	95
45) 1,2-Dichloropropane	9.38	63	97465	48.886	ug/l	98
46) Dibromomethane	9.48	93	51394	46.504	ug/l	98
47) Bromodichloromethane	9.66	83	142877	48.653	ug/l	93
48) Methyl methacrylate	9.46	41	50528	46.377	ug/l	97
49) 1,4-Dioxane	9.47	88	12048	1065.723	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	282386	246.468	ug/l	100
52) Toluene	10.40	92	259435	47.944	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	137351	48.997	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	157517	47.855	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	70427	48.087	ug/l	88
56) Ethyl methacrylate	10.66	69	89728	49.340	ug/l	98
57) 1,3-Dichloropropane	10.95	76	124422	48.431	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	206835	259.481	ug/l	99
59) 2-Hexanone	10.98	43	203941	253.942	ug/l	100
60) Dibromochloromethane	11.14	129	95848	47.913	ug/l	96
61) 1,2-Dibromoethane	11.25	107	68795	47.994	ug/l	98
64) Tetrachloroethene	10.87	164	86245	47.577	ug/l	92
65) Chlorobenzene	11.67	112	260074	47.231	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	98228	47.886	ug/l	97
67) Ethyl Benzene	11.75	91	489835	47.897	ug/l	100
68) m/p-Xylenes	11.86	106	387864	99.613	ug/l	98
69) o-Xylene	12.18	106	171571	49.034	ug/l	98
70) Styrene	12.20	104	307320	50.230	ug/l	99
71) Bromoform	12.36	173	50340	46.211	ug/l #	96
73) Isopropylbenzene	12.48	105	480383	49.960	ug/l	99
74) N-amyl acetate	12.29	43	107529	50.615	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	74722	47.209	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	56041m	47.705	ug/l	
77) Bromobenzene	12.77	156	101876	47.124	ug/l	93
78) n-propylbenzene	12.83	91	575155	49.649	ug/l	100
79) 2-Chlorotoluene	12.91	91	314950	49.360	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	405703	50.472	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	26765	48.948	ug/l	98
82) 4-Chlorotoluene	13.01	91	346783	50.858	ug/l	100
83) tert-Butylbenzene	13.23	119	348846	51.569	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	403602	50.971	ug/l	99
85) sec-Butylbenzene	13.41	105	497208	51.577	ug/l	99
86) p-Isopropyltoluene	13.52	119	456490	52.134	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	210947	50.223	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	206505	48.868	ug/l	99
89) n-Butylbenzene	13.85	91	437299	51.217	ug/l	99
90) Hexachloroethane	14.11	117	87914	49.200	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	179656	48.824	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13106	53.455	ug/l	98

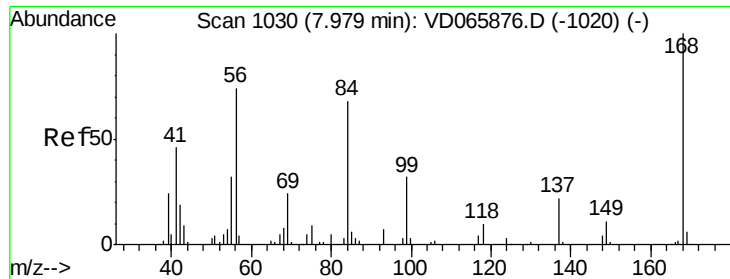
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062920\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114971	49.286	ug/l	99
94) Hexachlorobutadiene	15.27	225	63792	47.944	ug/l	94
95) Naphthalene	15.41	128	209586	50.042	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	97754	50.219	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

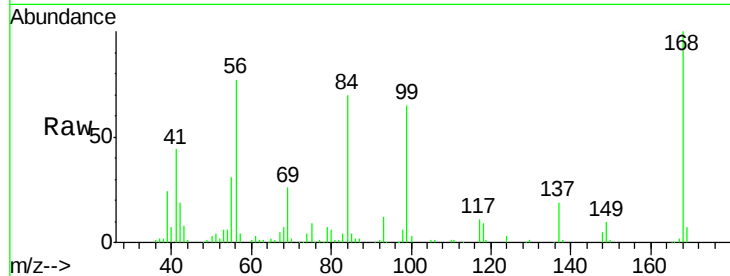
VSTDCCC050

Tot Ion:168 Resp: 188490

Ion Ratio Lower Upper

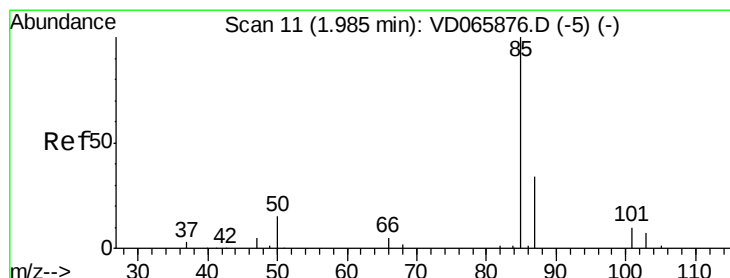
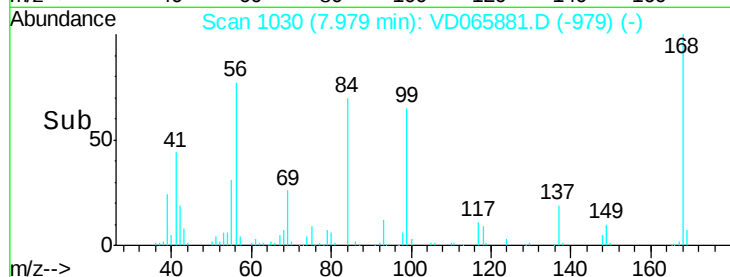
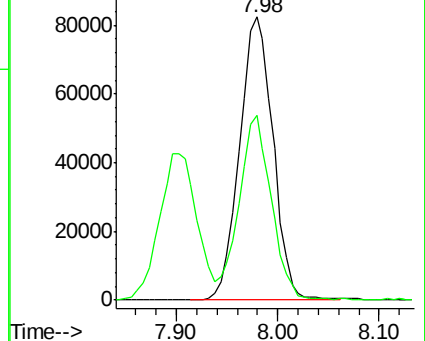
168 100

99 65.0 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.946 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065881.D

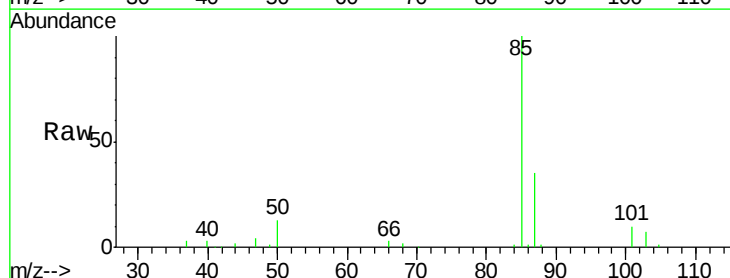
Acq: 29 Jun 2020 12:36

Tgt Ion: 85 Resp: 77403

Ion Ratio Lower Upper

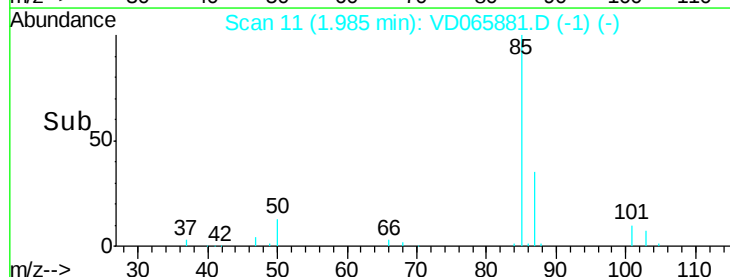
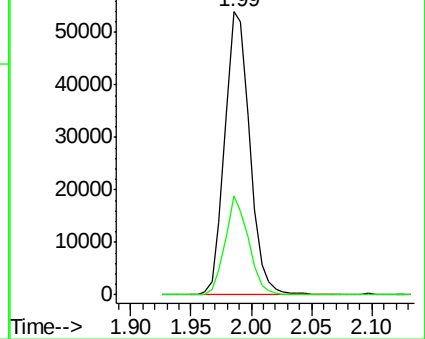
85 100

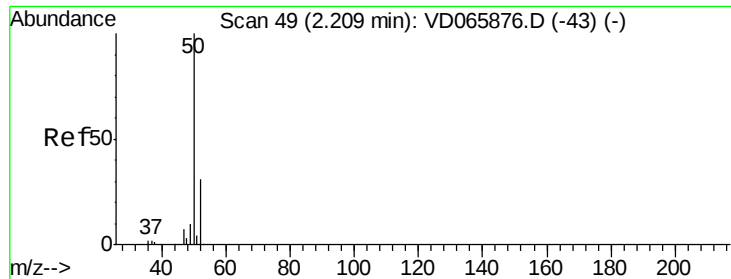
87 34.8 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.019 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

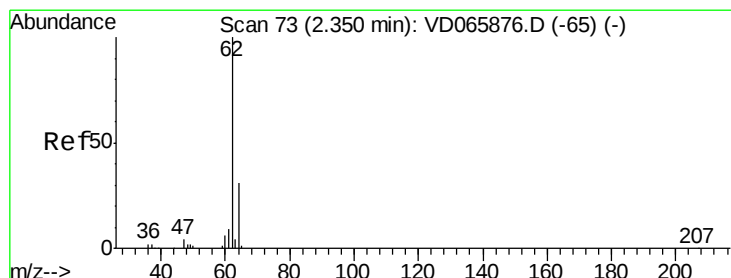
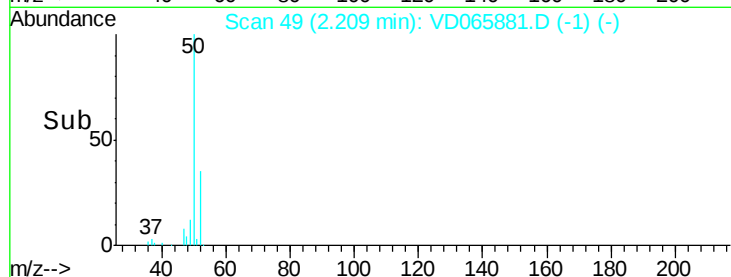
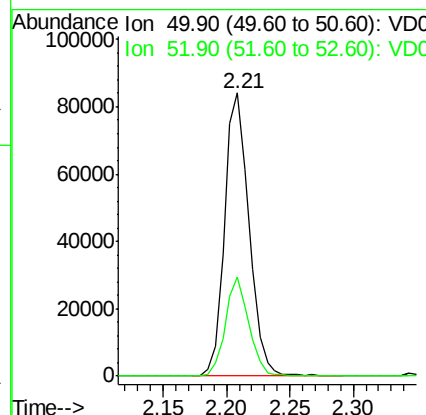
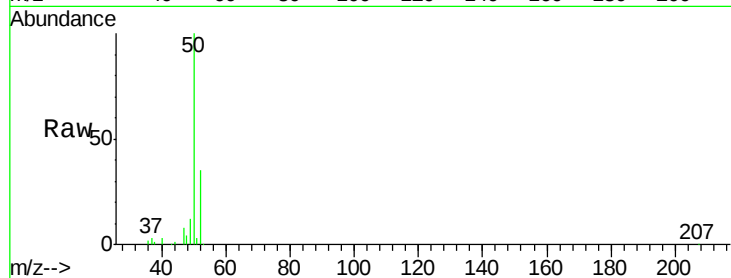
VSTDCCC050

Tot Ion: 50 Resp: 112764

Ion Ratio Lower Upper

50 100

52 34.9 24.7 37.1



#4

Vinyl Chloride

Concen: 42.058 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065881.D

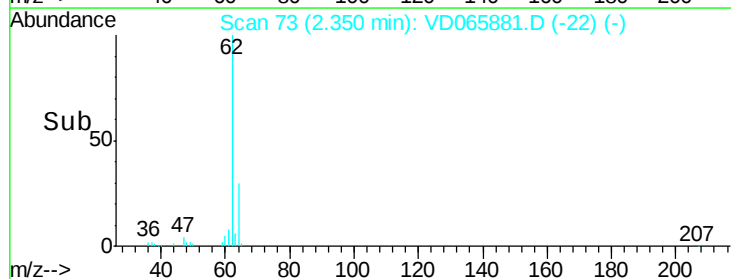
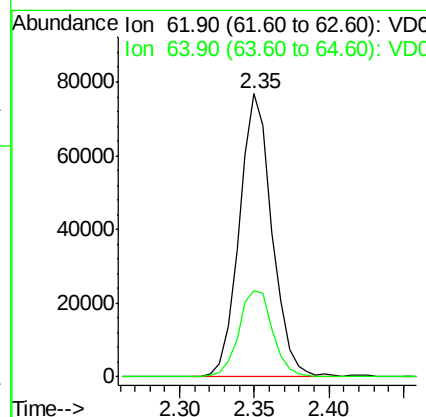
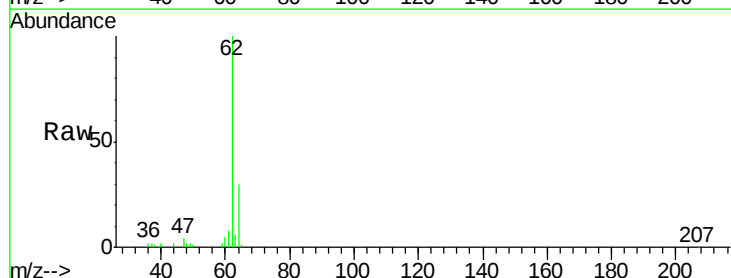
Acq: 29 Jun 2020 12:36

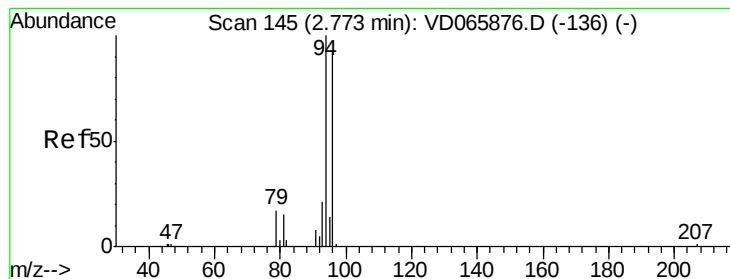
Tgt Ion: 62 Resp: 116860

Ion Ratio Lower Upper

62 100

64 30.3 25.0 37.4





#5

Bromomethane

Concen: 43.002 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

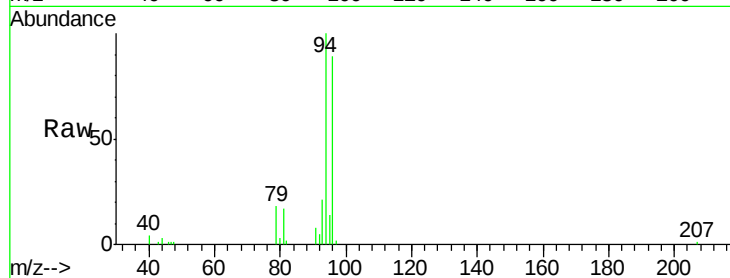
VSTDCCC050

Tot Ion: 94 Resp: 78150

Ion Ratio Lower Upper

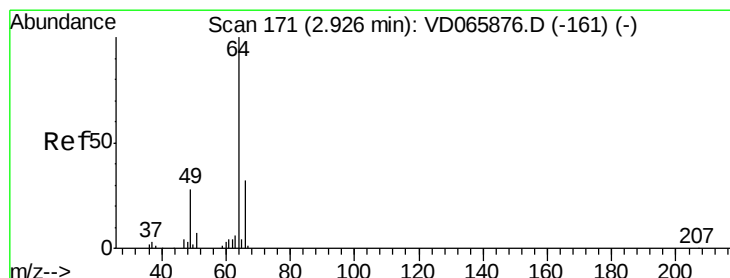
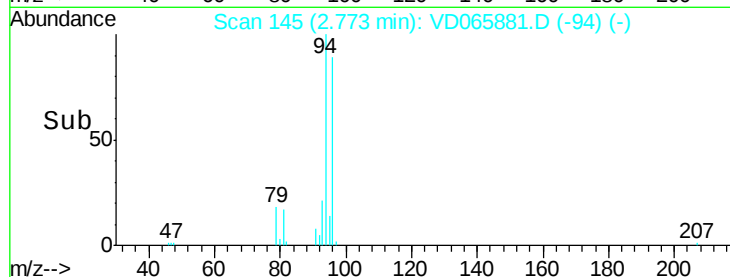
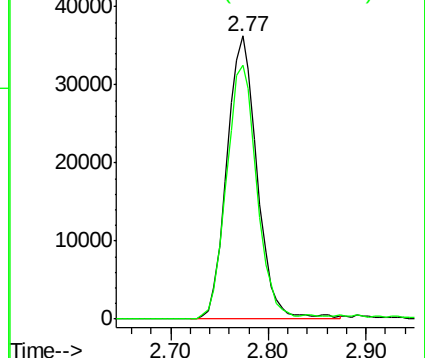
94 100

96 89.5 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 41.436 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065881.D

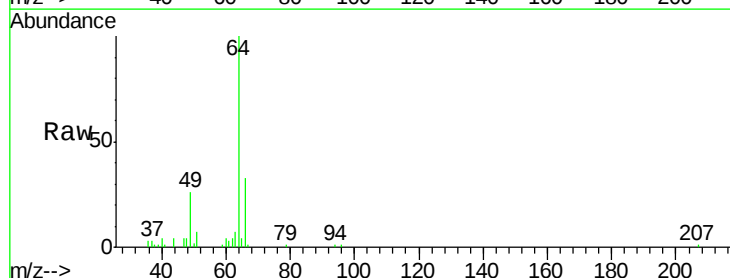
Acq: 29 Jun 2020 12:36

Tgt Ion: 64 Resp: 72602

Ion Ratio Lower Upper

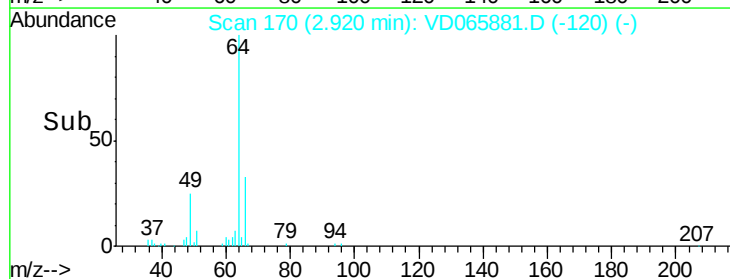
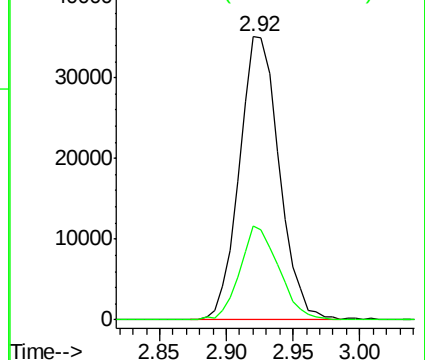
64 100

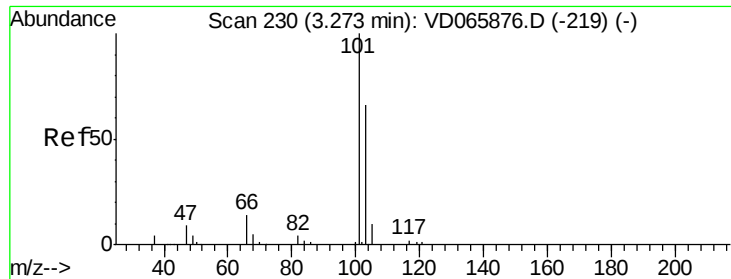
66 33.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



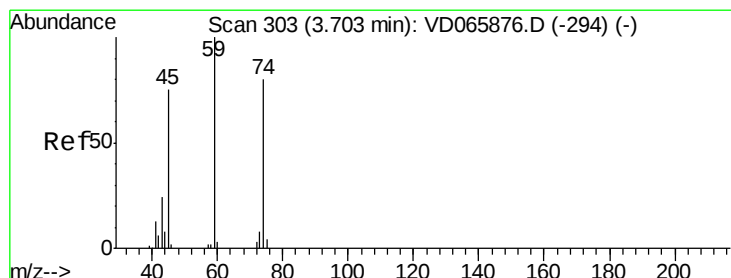
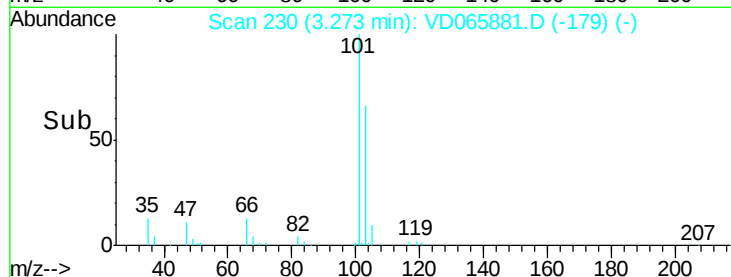
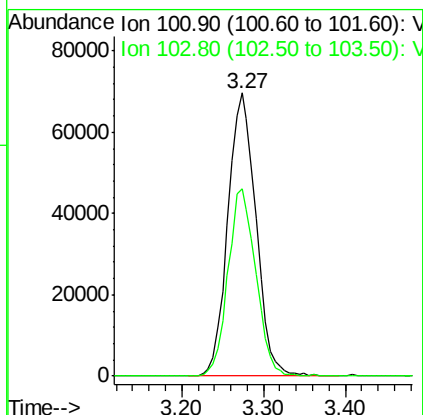
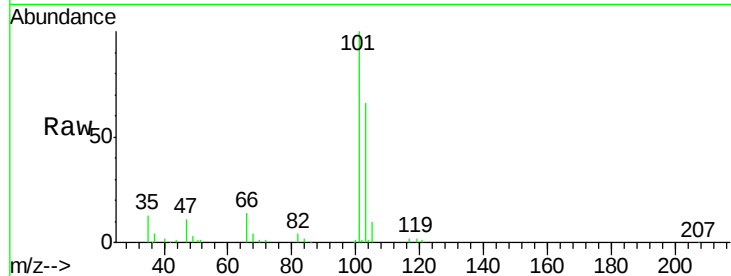


#7

Trichlorofluoromethane
 Concen: 47.584 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

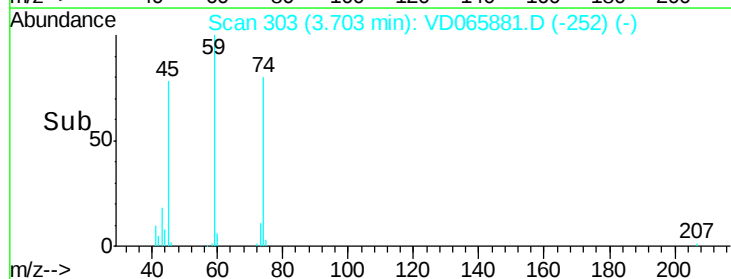
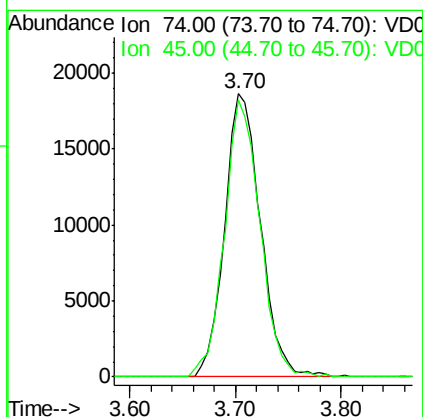
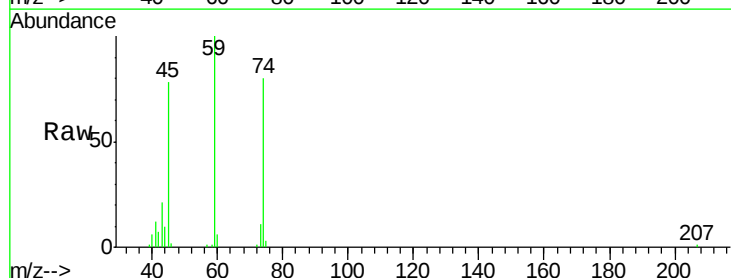
Tot Ion:101 Resp: 166667
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.9 79.3

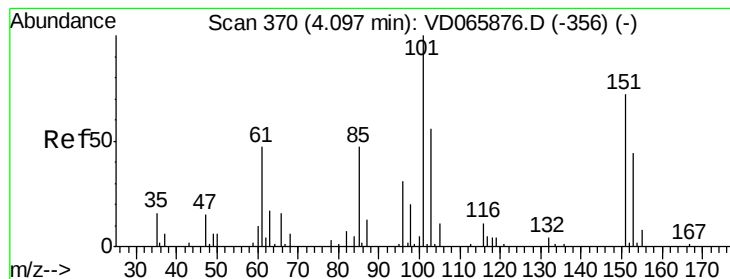


#8

Diethyl Ether
 Concen: 47.541 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 74 Resp: 43777
 Ion Ratio Lower Upper
 74 100
 45 96.9 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.123 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

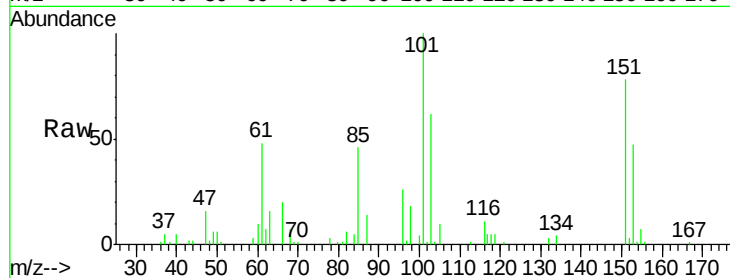
Tot Ion:101 Resp: 93010

Ion Ratio Lower Upper

101 100

85 45.5 38.6 58.0

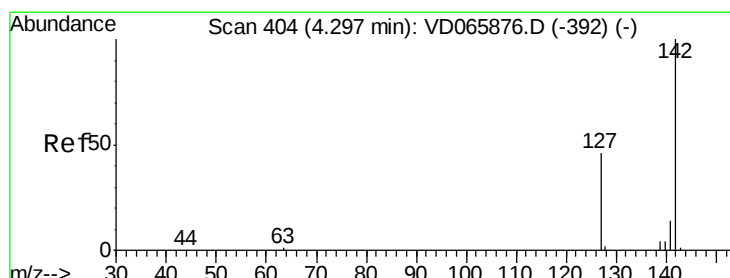
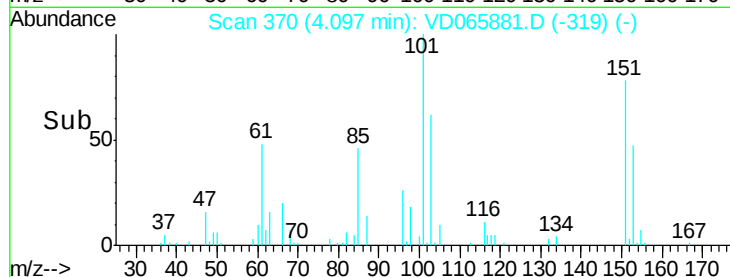
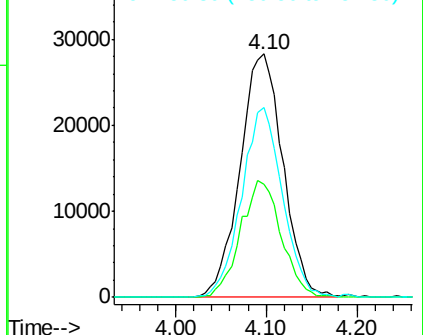
151 74.3 60.7 91.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.887 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

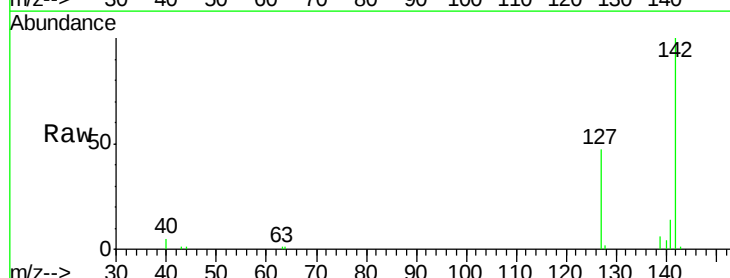
Tgt Ion:142 Resp: 96188

Ion Ratio Lower Upper

142 100

127 47.8 39.0 58.6

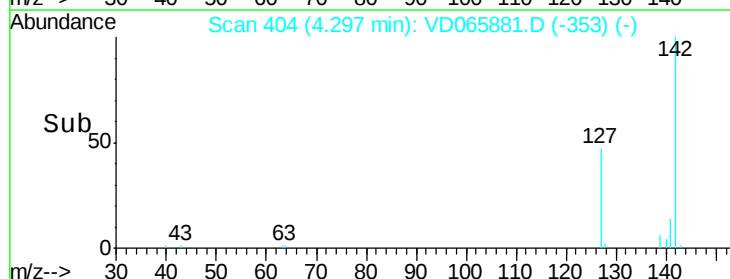
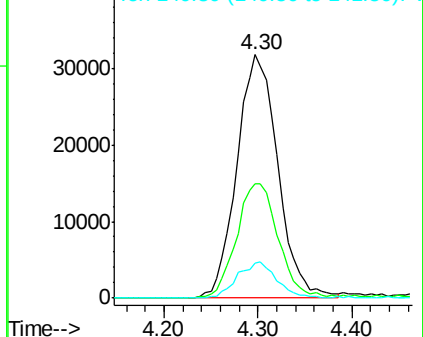
141 14.2 11.5 17.3

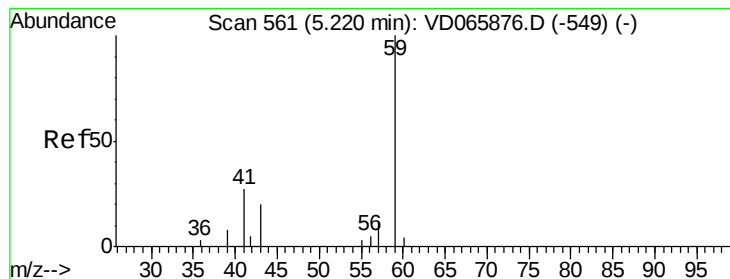


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



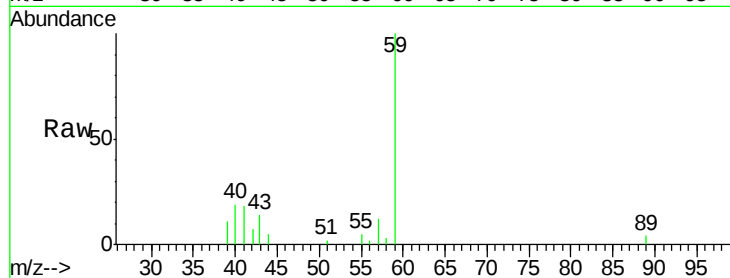


#11

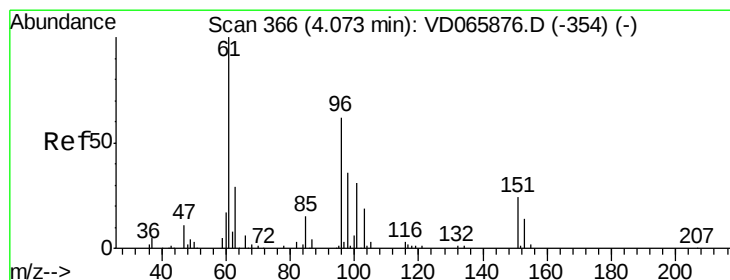
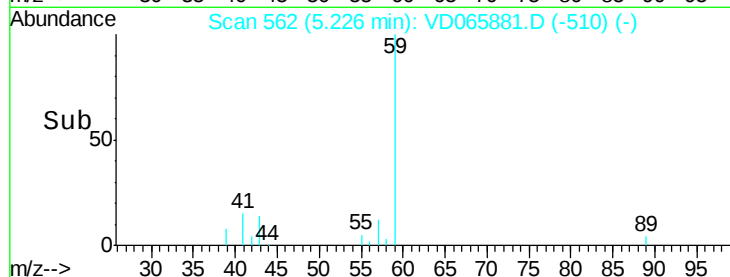
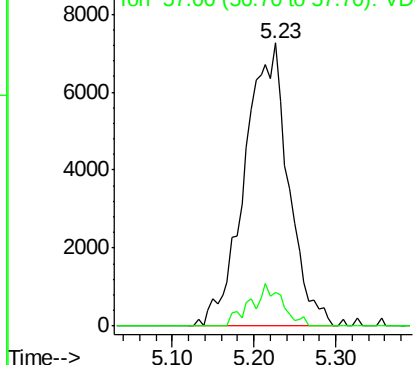
Tert butyl alcohol
 Concen: 275.803 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 26907
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.7 14.5



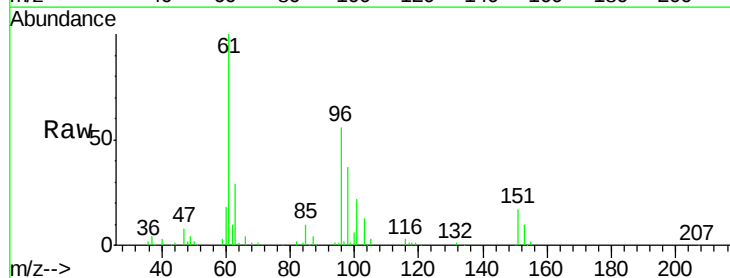
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



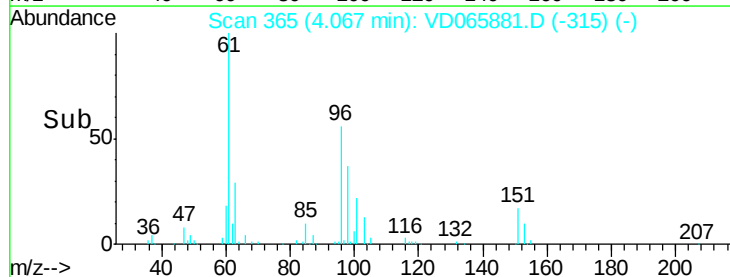
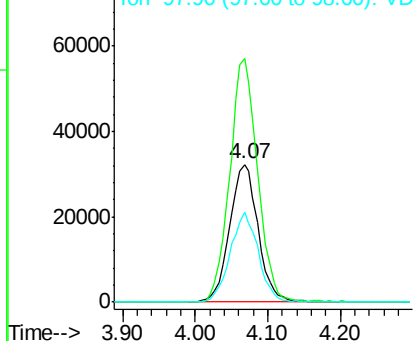
#12

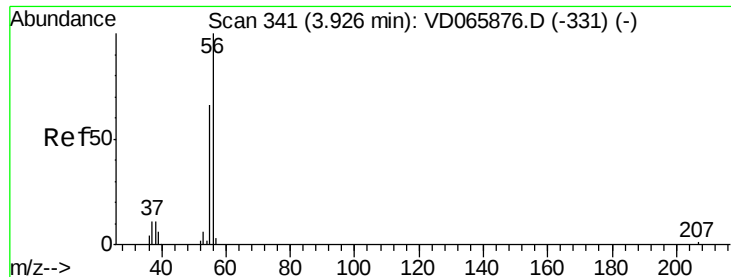
1,1-Dichloroethene
 Concen: 47.695 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 96 Resp: 87747
 Ion Ratio Lower Upper
 96 100
 61 177.1 128.3 192.5
 98 65.7 46.2 69.2



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





#13

Acrolein

Concen: 253.261 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

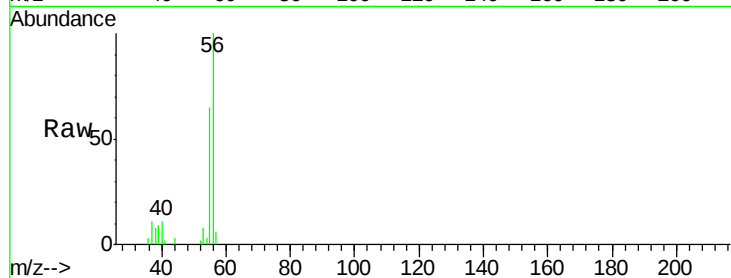
VSTDCCC050

Tot Ion: 56 Resp: 36043

Ion Ratio Lower Upper

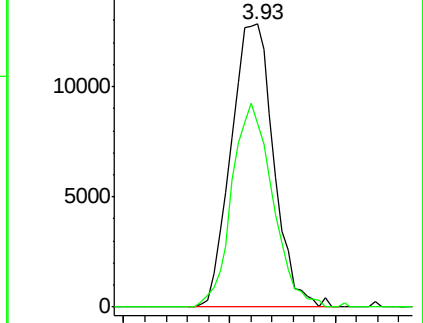
56 100

55 68.6 58.1 87.1

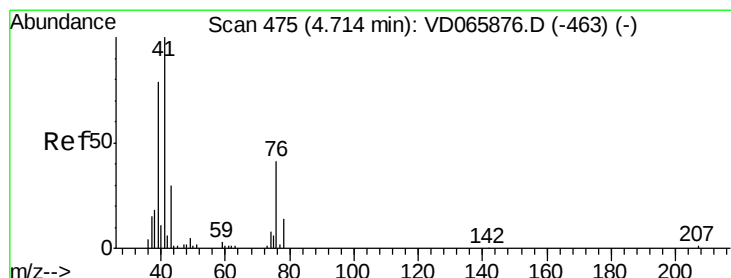
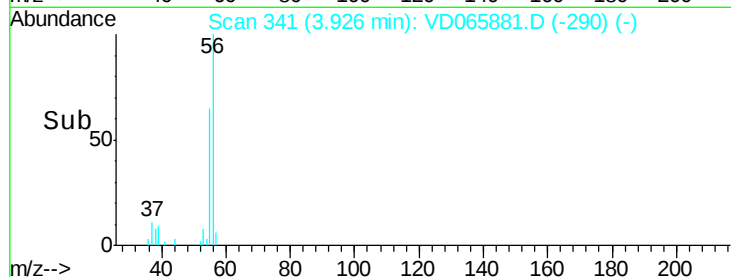


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 51.042 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

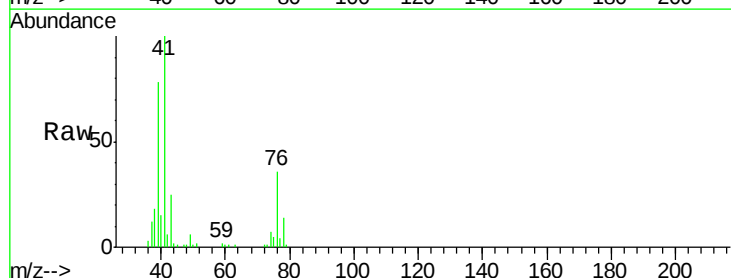
Tgt Ion: 41 Resp: 148126

Ion Ratio Lower Upper

41 100

39 75.7 63.8 95.8

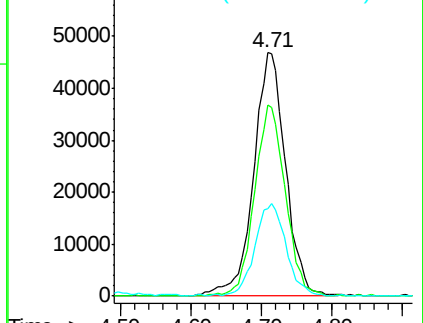
76 37.1 32.2 48.4



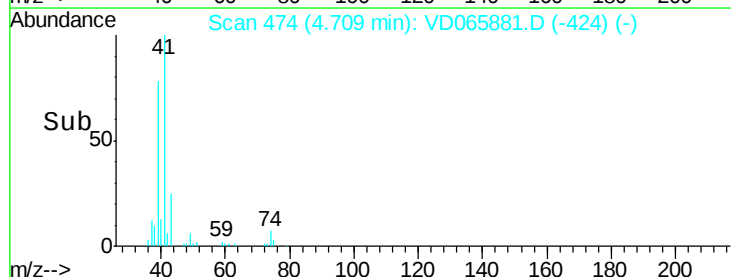
Abundance Ion 41.00 (40.70 to 41.70): VDC

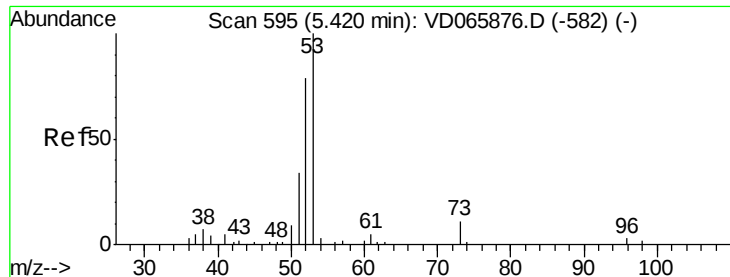
Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC



Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 240.309 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

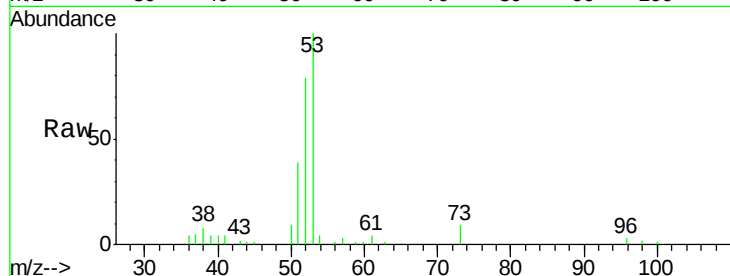
Tot Ion: 53 Resp: 94064

Ion Ratio Lower Upper

53 100

52 81.8 66.3 99.5

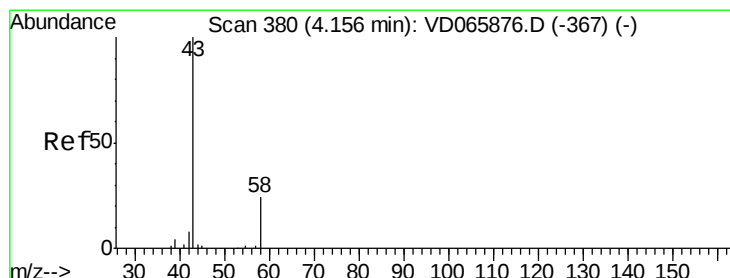
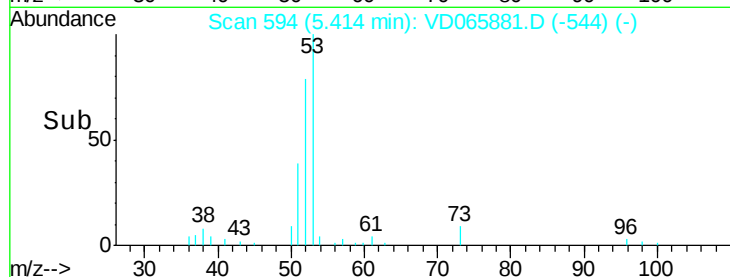
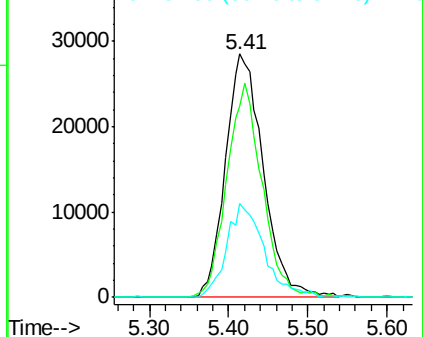
51 37.8 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 302.420 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065881.D

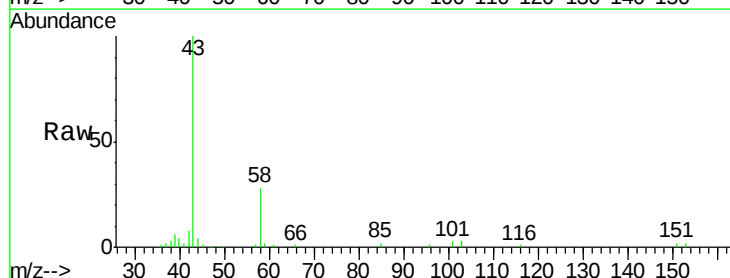
Acq: 29 Jun 2020 12:36

Tgt Ion: 43 Resp: 116029

Ion Ratio Lower Upper

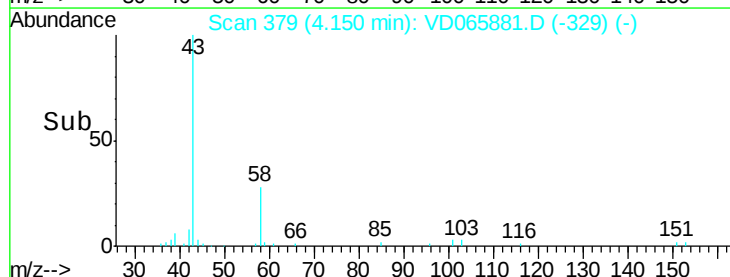
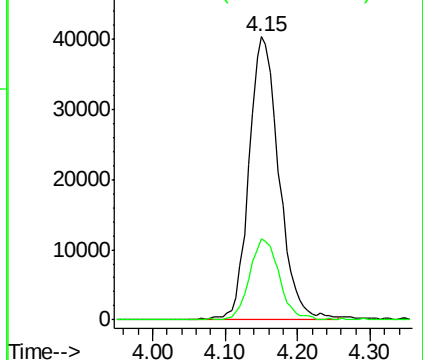
43 100

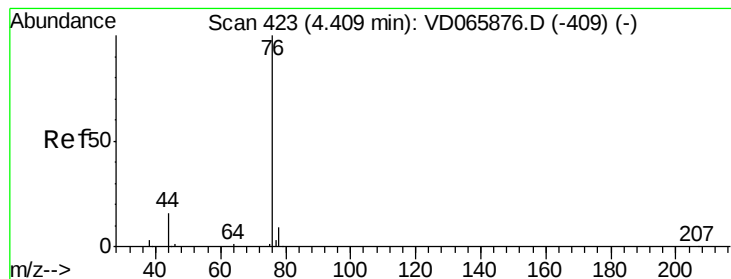
58 28.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 47.408 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

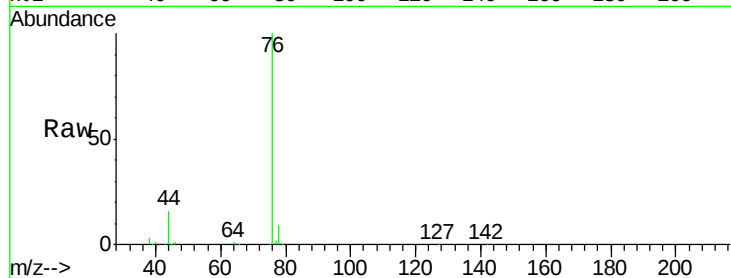
VSTDCCC050

Tot Ion: 76 Resp: 294668

Ion Ratio Lower Upper

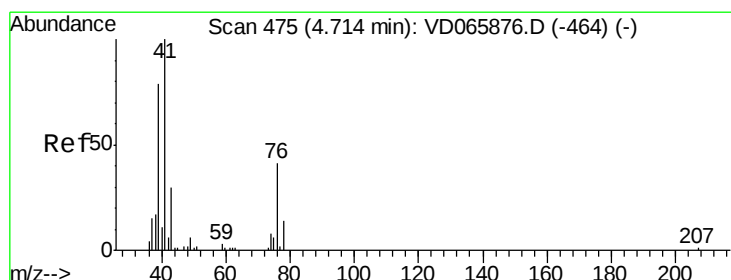
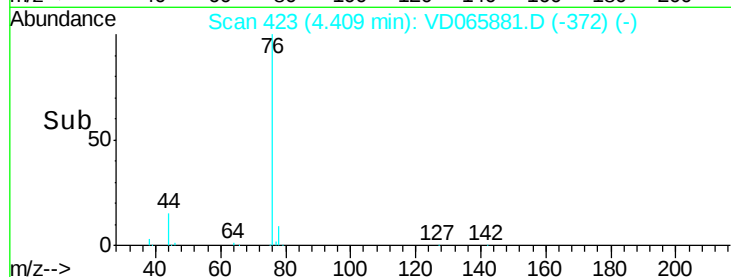
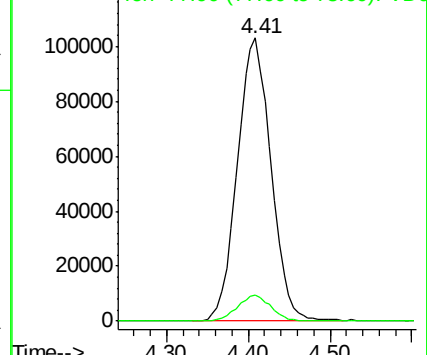
76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 46.996 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065881.D

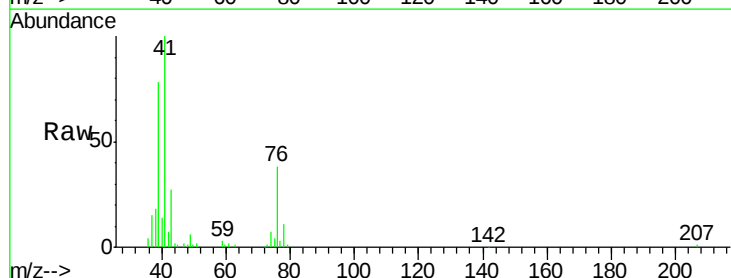
Acq: 29 Jun 2020 12:36

Tgt Ion: 43 Resp: 39981

Ion Ratio Lower Upper

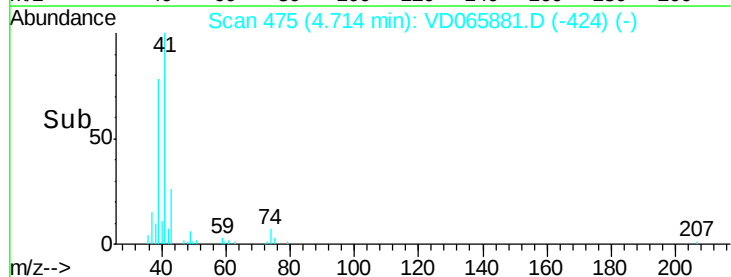
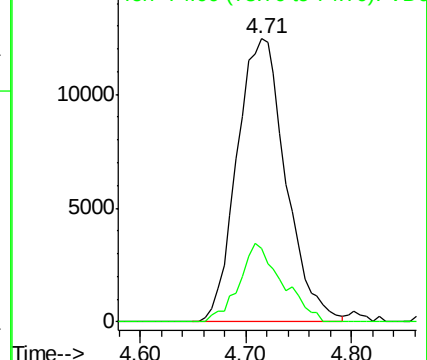
43 100

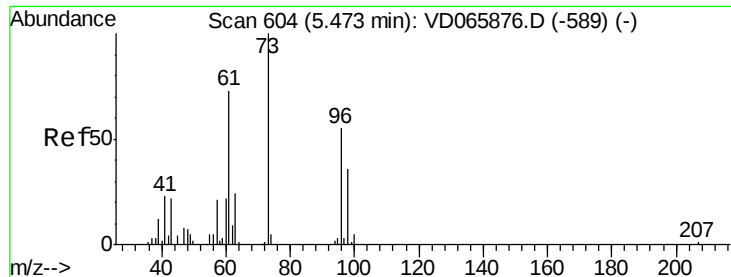
74 24.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

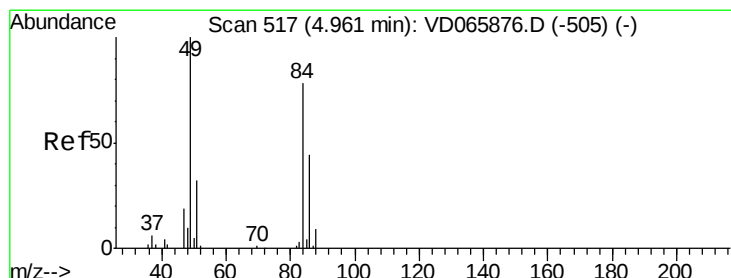
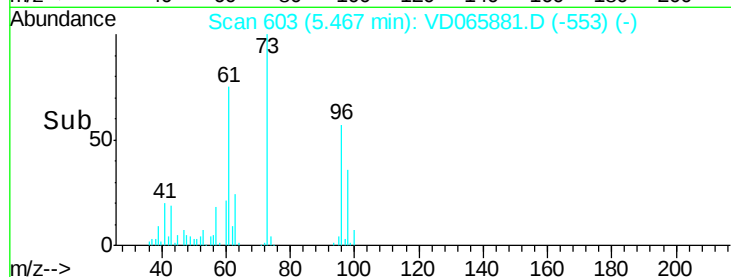
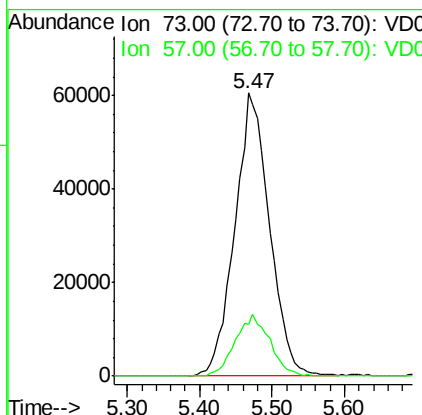
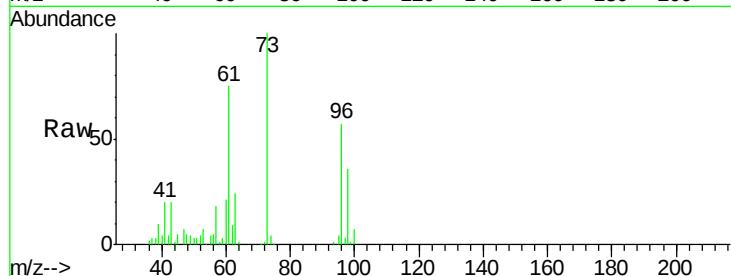




#19
Methyl tert-butyl Ether
Concen: 49.989 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

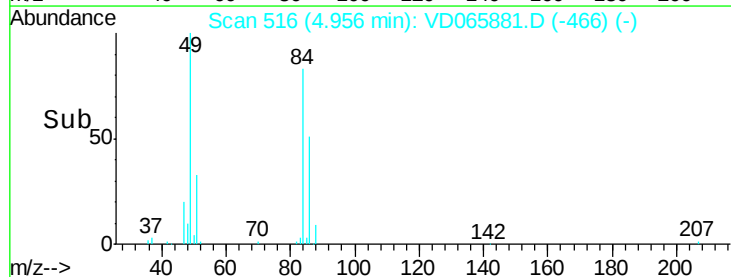
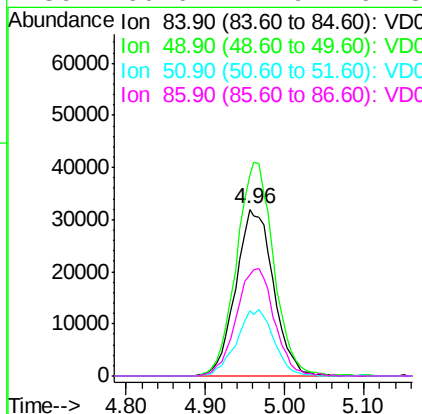
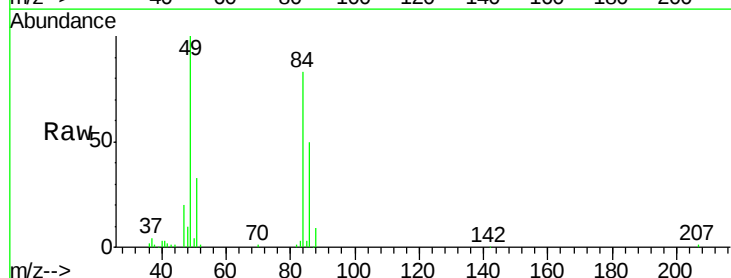
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

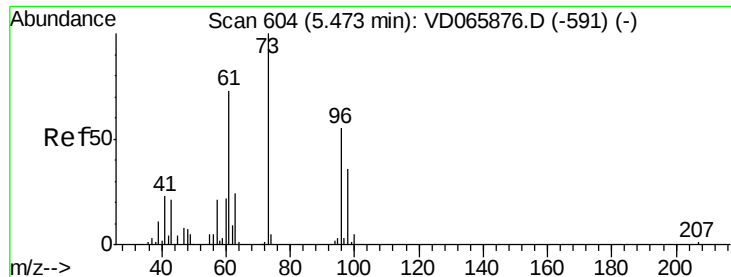
Tot Ion: 73 Resp: 201665
Ion Ratio Lower Upper
73 100
57 18.4 17.0 25.4



#20
Methylene Chloride
Concen: 52.950 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion: 84 Resp: 105329
Ion Ratio Lower Upper
84 100
49 120.4 103.0 154.6
51 39.2 32.7 49.1
86 60.6 44.9 67.3





#21

trans-1,2-Dichloroethene

Concen: 48.754 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

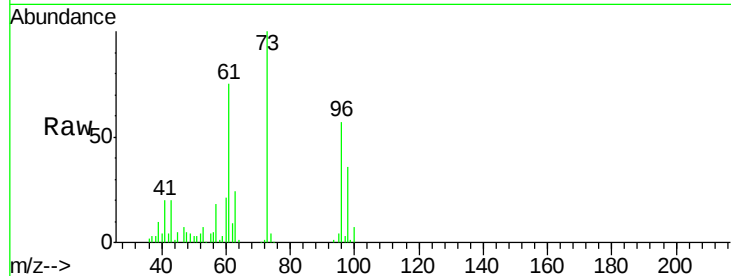
Tot Ion: 96 Resp: 102709

Ion Ratio Lower Upper

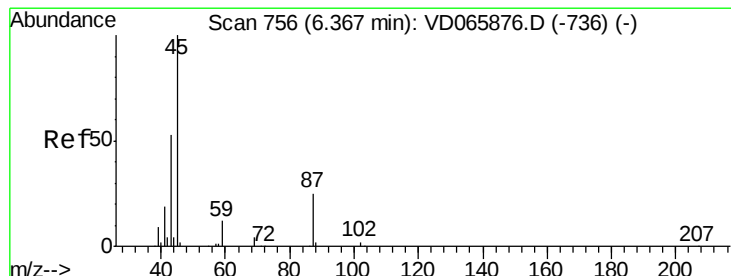
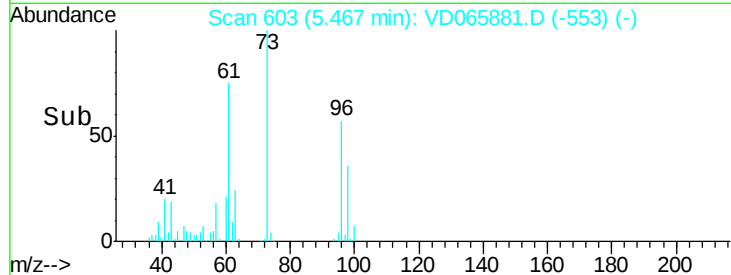
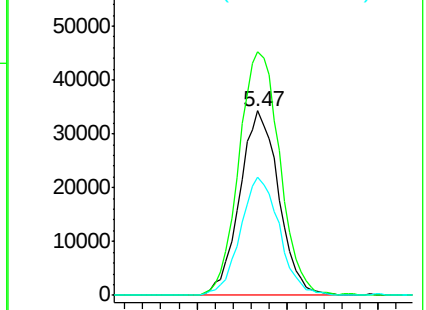
96 100

61 132.1 107.0 160.4

98 64.0 52.2 78.2



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



#22

Diisopropyl ether

Concen: 49.632 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Tgt Ion: 45 Resp: 300398

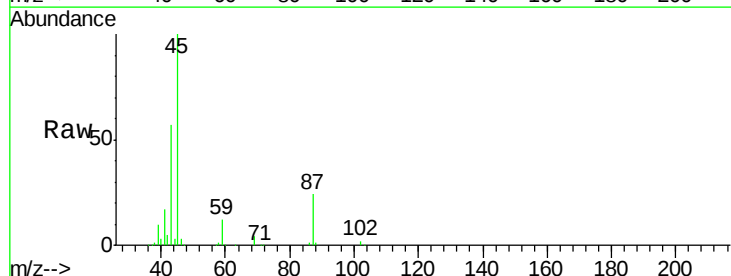
Ion Ratio Lower Upper

45 100

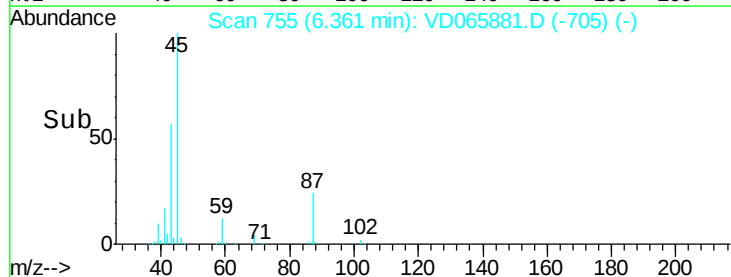
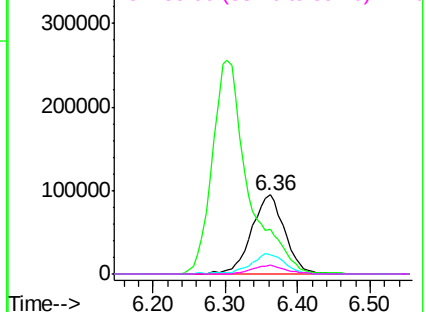
43 55.7 43.4 65.0

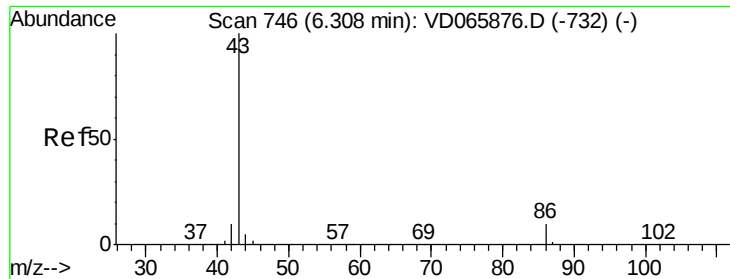
87 24.4 19.8 29.8

59 11.9 9.9 14.9



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

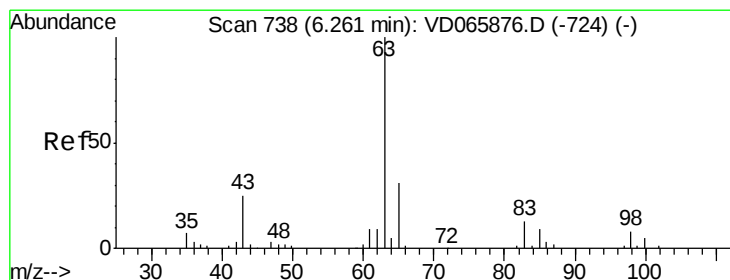
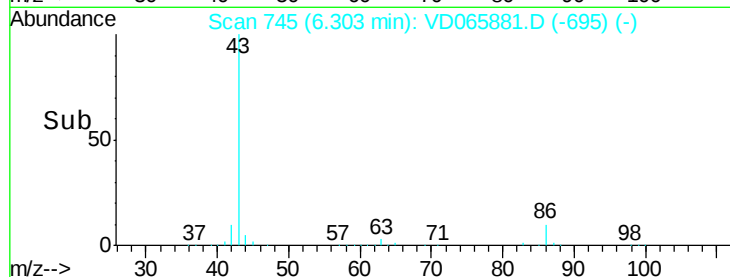
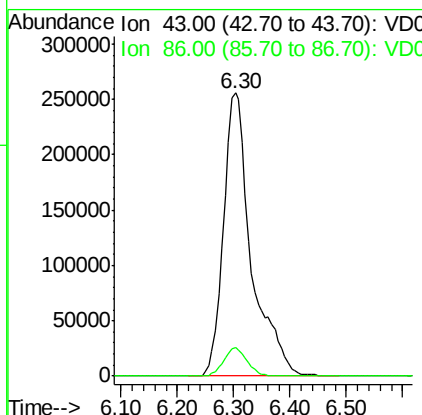
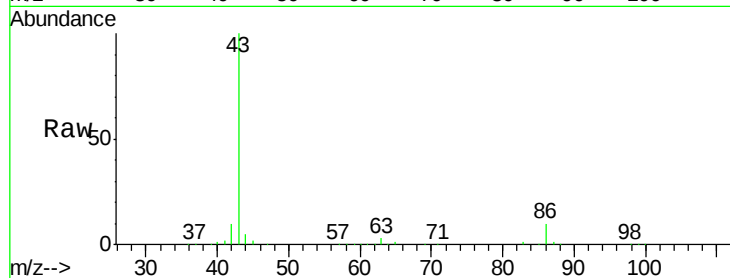




#23
 Vinyl Acetate
 Concen: 251.818 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

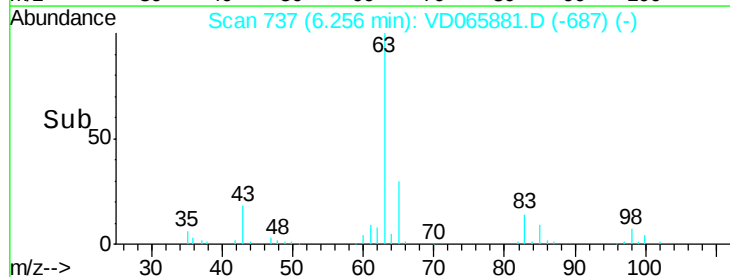
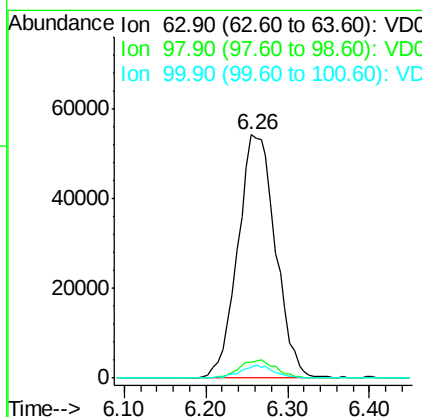
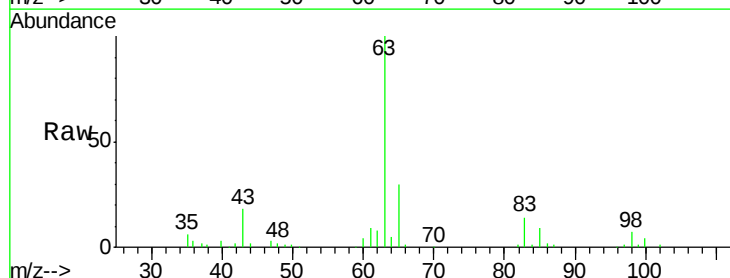
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

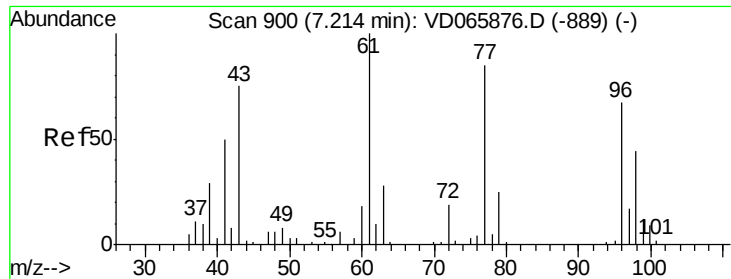
Tot Ion: 43 Resp: 880890
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 48.252 ug/l
 RT: 6.26 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 63 Resp: 174228
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.8 11.4
 100 4.4 2.4 7.2





#25

2-Butanone

Concen: 259.674 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

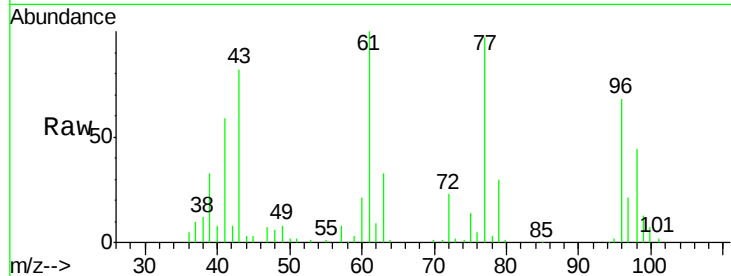
VSTDCCC050

Tot Ion: 43 Resp: 132956

Ion Ratio Lower Upper

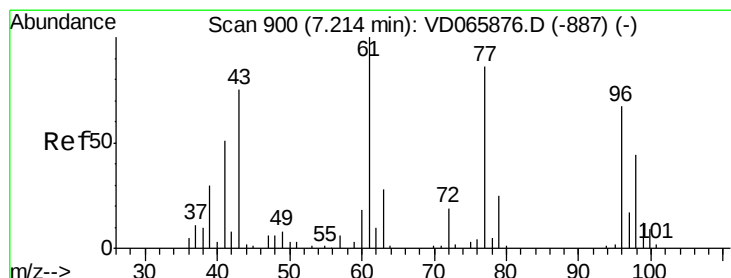
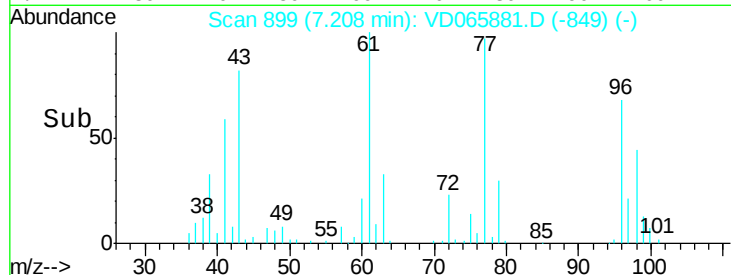
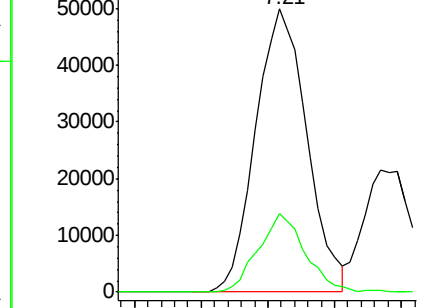
43 100

72 27.9 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.980 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065881.D

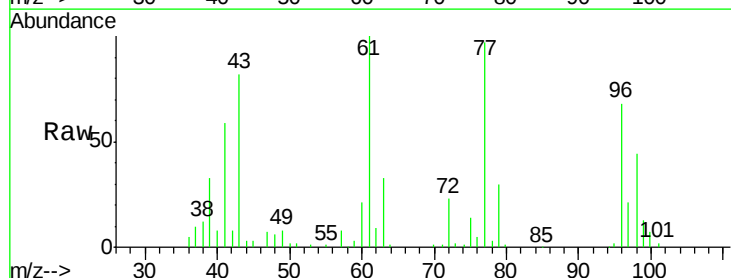
Acq: 29 Jun 2020 12:36

Tgt Ion: 77 Resp: 168927

Ion Ratio Lower Upper

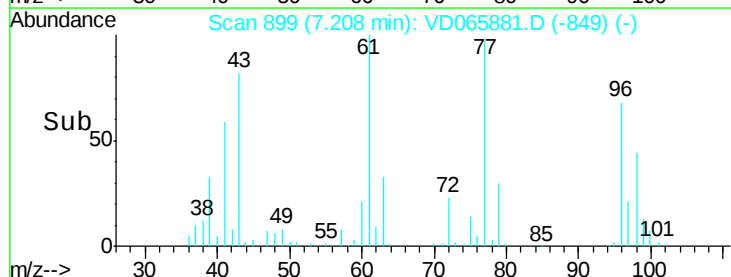
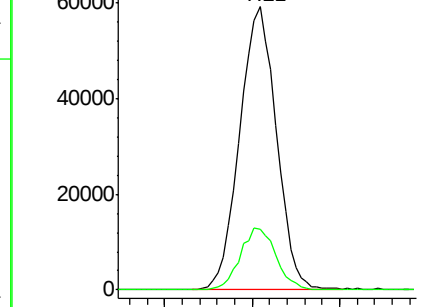
77 100

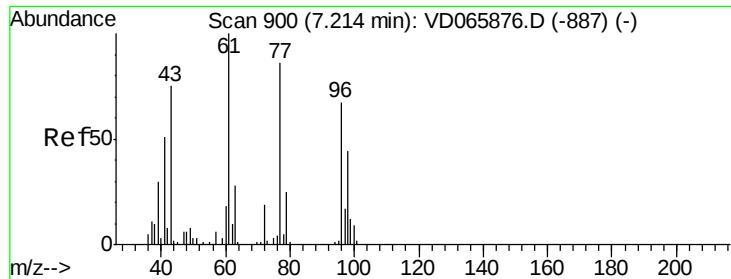
97 21.3 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



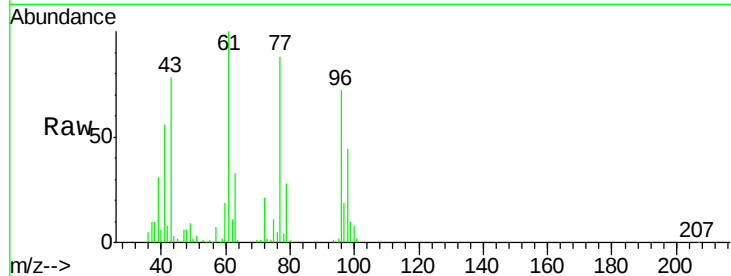


#27

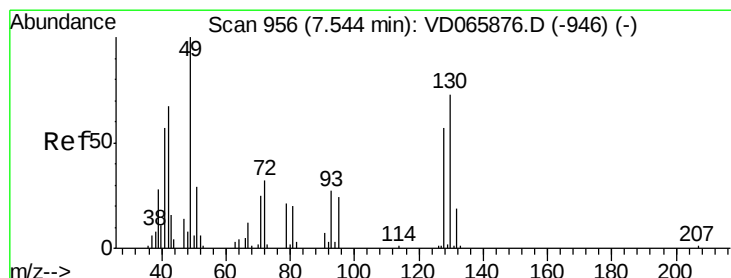
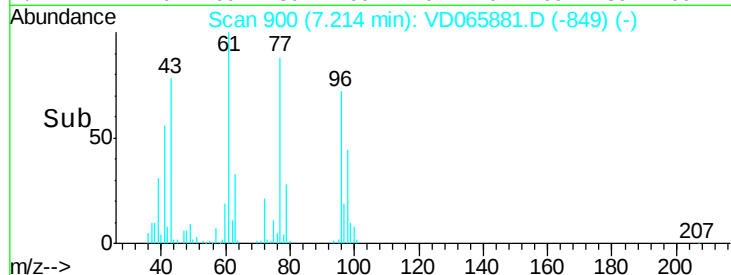
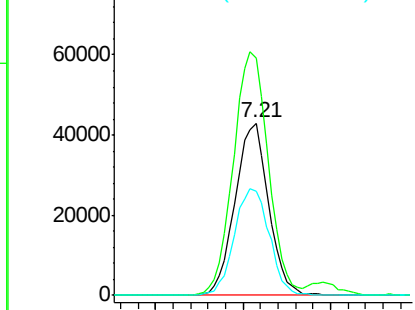
cis-1,2-Dichloroethene
 Concen: 47.926 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 111715
 Ion Ratio Lower Upper
 96 100
 61 147.6 0.0 297.8
 98 64.4 0.0 129.8



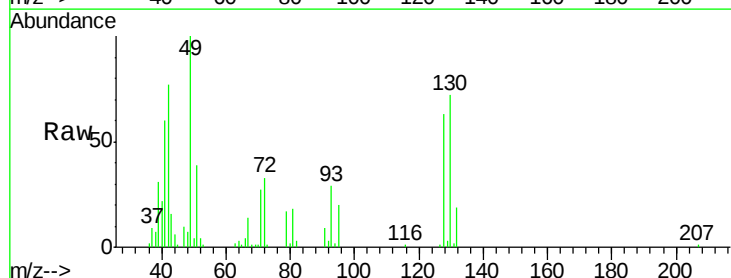
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



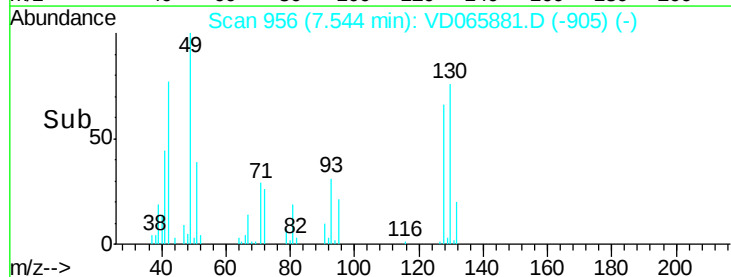
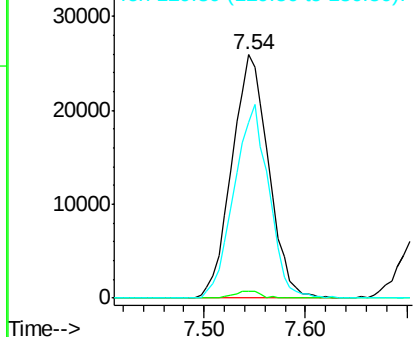
#28

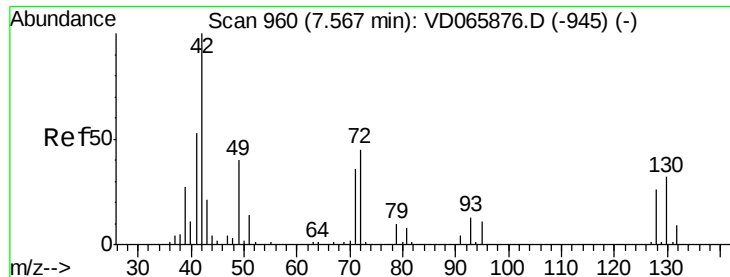
Bromochloromethane
 Concen: 47.986 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 49 Resp: 65112
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.4
 130 76.0 61.0 91.6



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

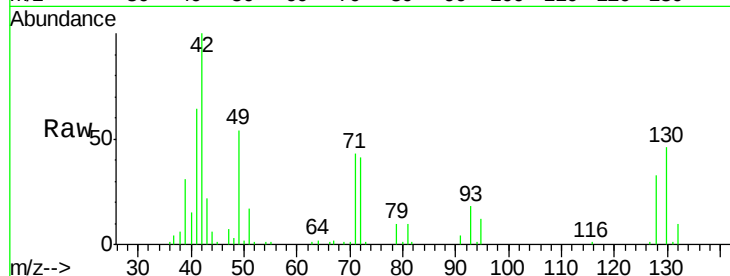




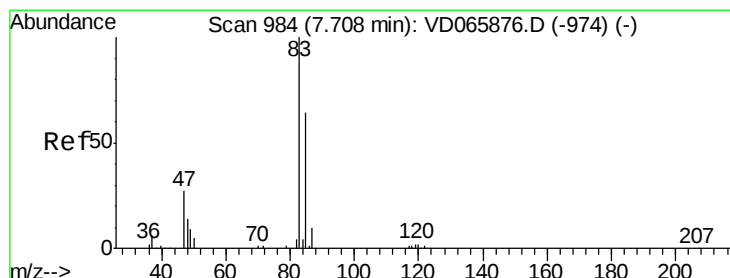
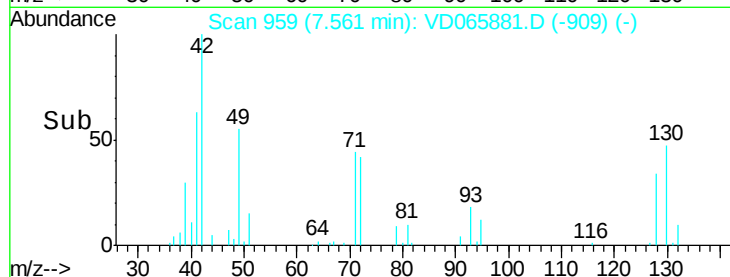
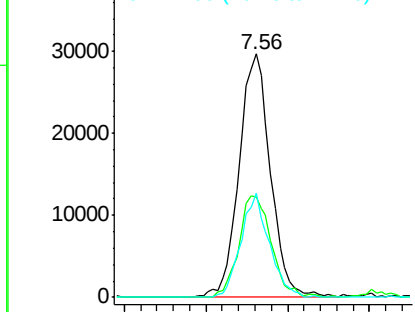
#29
Tetrahydrofuran
Concen: 243.695 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 79259
Ion Ratio Lower Upper
42 100
72 42.5 35.3 52.9
71 38.4 32.6 48.8

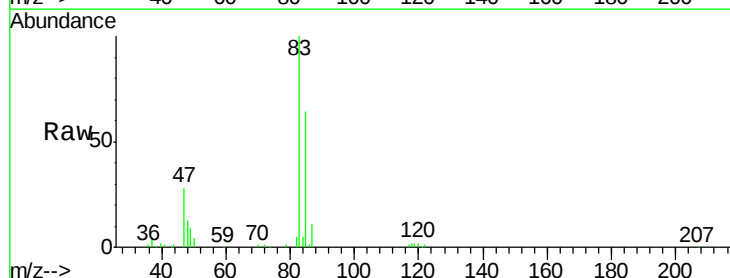


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

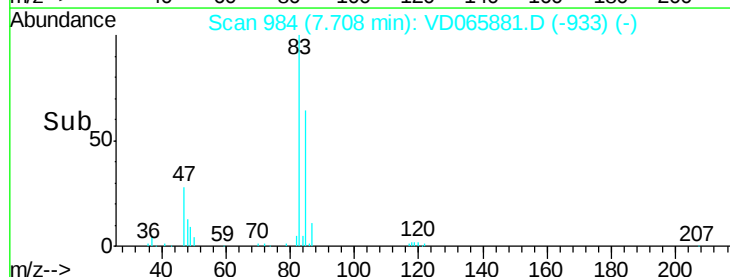
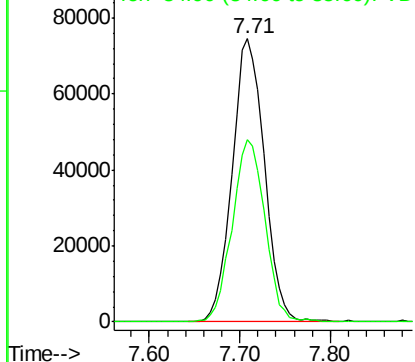


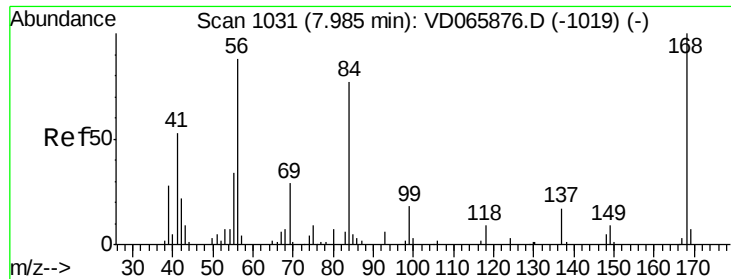
#30
Chloroform
Concen: 47.685 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion: 83 Resp: 184352
Ion Ratio Lower Upper
83 100
85 64.2 51.2 76.8



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

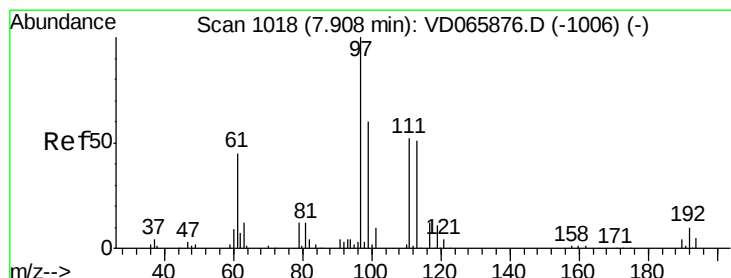
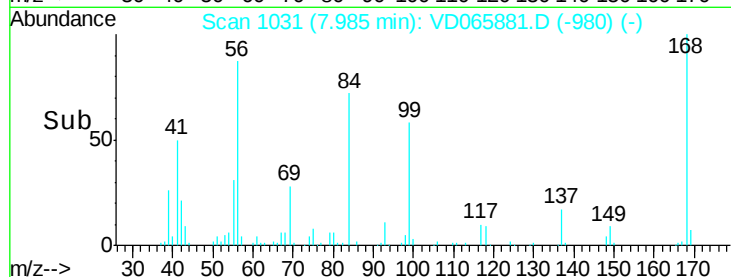
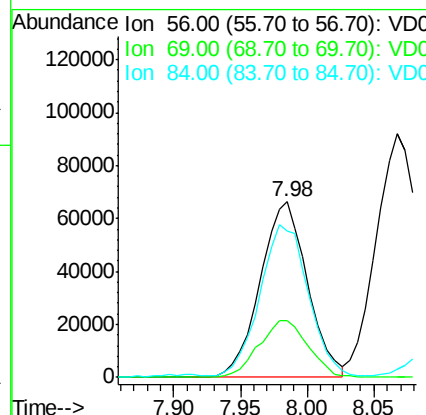
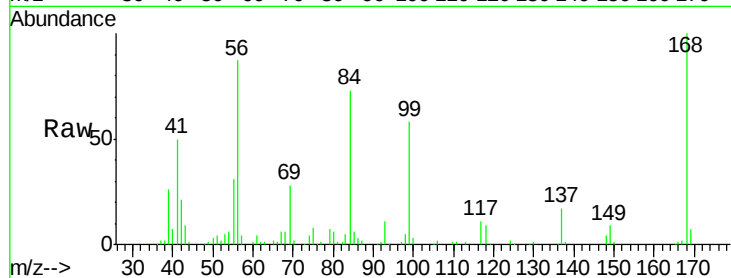




#31
Cyclohexane
Concen: 46.430 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

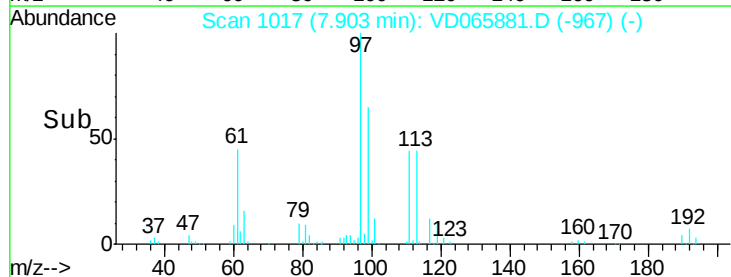
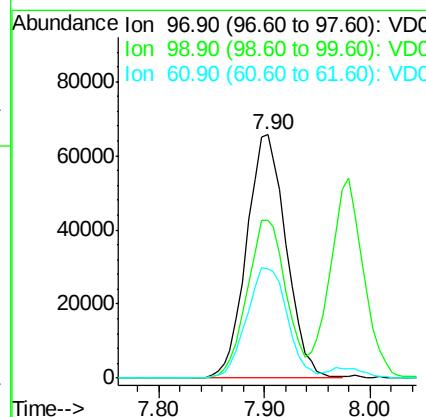
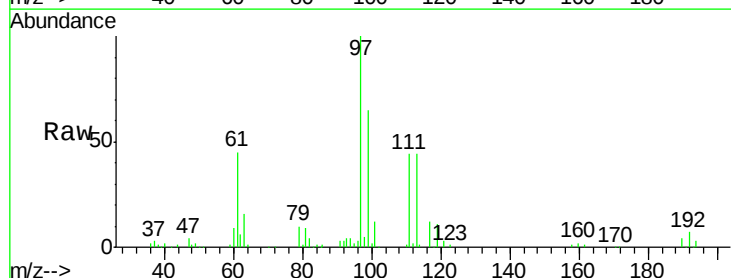
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

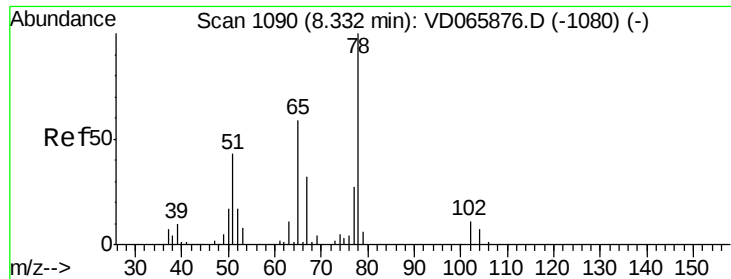
Tot Ion: 56 Resp: 162870
Ion Ratio Lower Upper
56 100
69 32.2 26.2 39.4
84 81.7 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 48.125 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion: 97 Resp: 170726
Ion Ratio Lower Upper
97 100
99 64.0 50.2 75.4
61 46.6 36.0 54.0

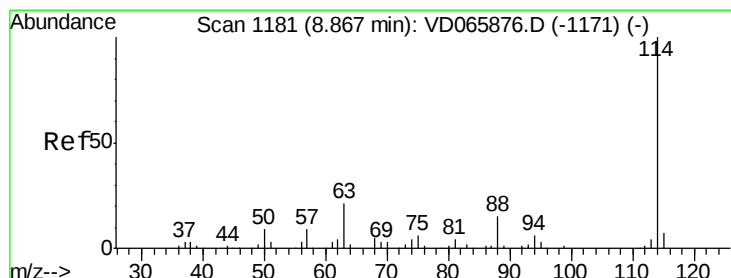
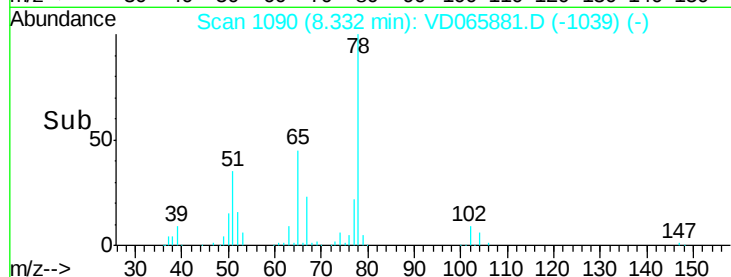
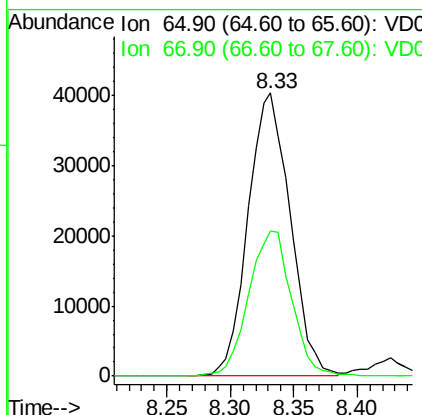
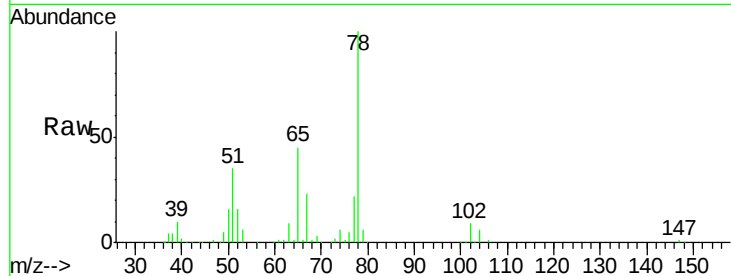




#33
 1,2-Dichloroethane-d4
 Concen: 47.634 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

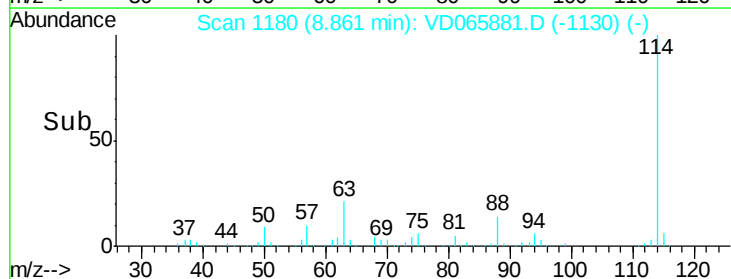
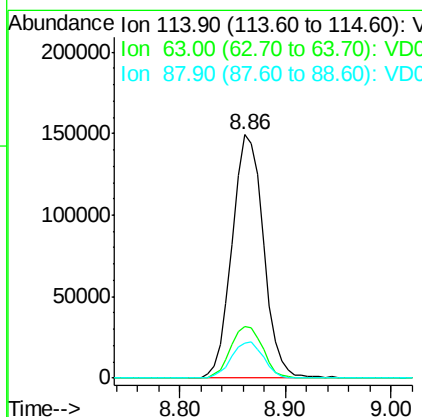
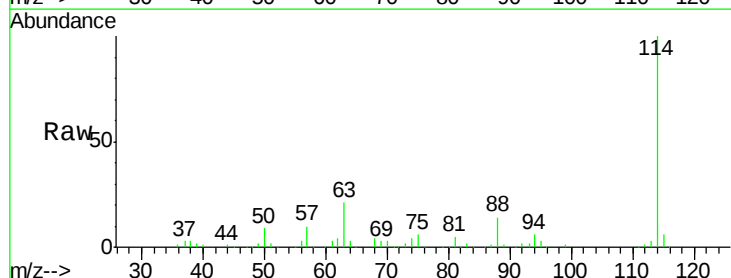
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

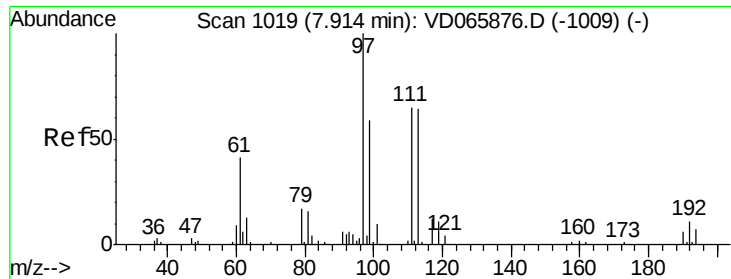
Tot Ion: 65 Resp: 93279
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 114 Resp: 307647
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.6
 88 14.2 0.0 29.0

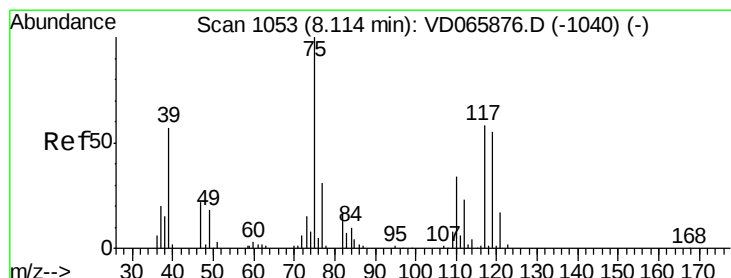
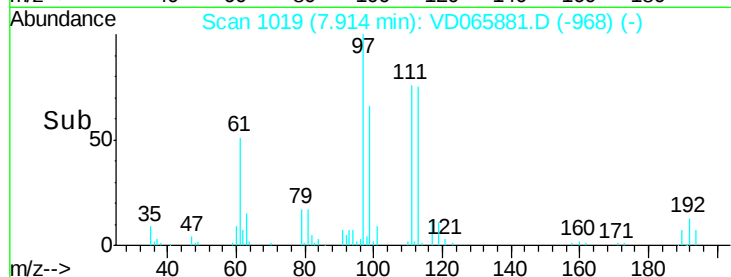
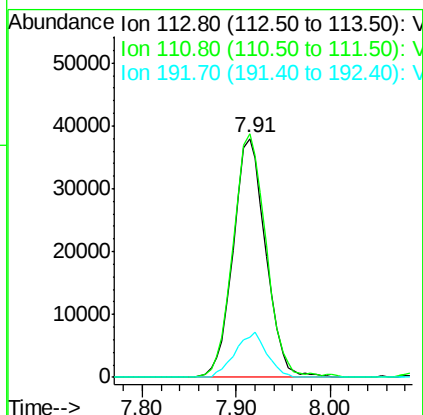
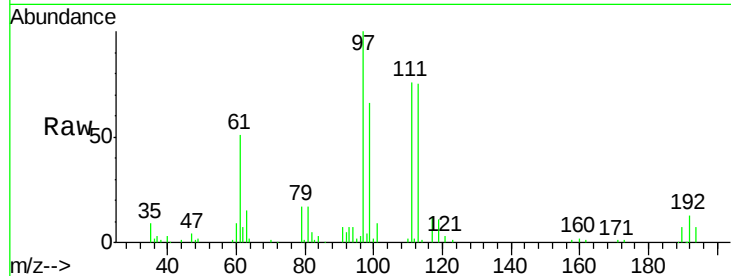




#35
 Dibromofluoromethane
 Concen: 47.819 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

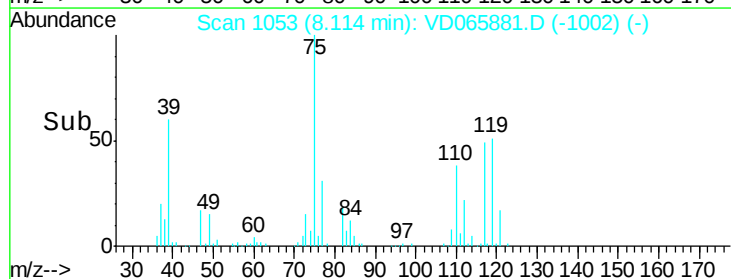
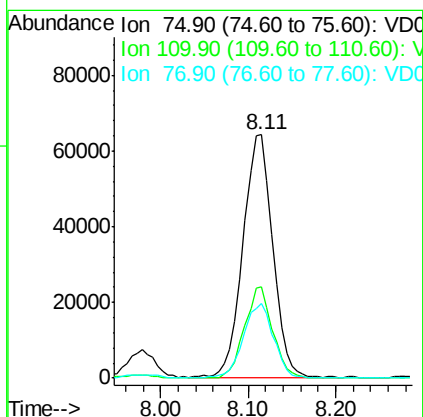
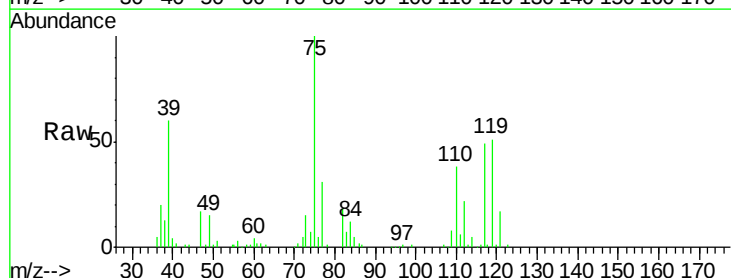
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

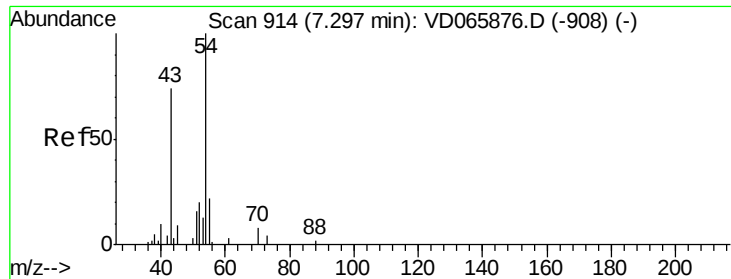
Tot Ion:113 Resp: 90931
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.0 121.6
 192 18.4 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 50.051 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 75 Resp: 150149
 Ion Ratio Lower Upper
 75 100
 110 35.1 16.8 50.4
 77 30.7 24.0 36.0

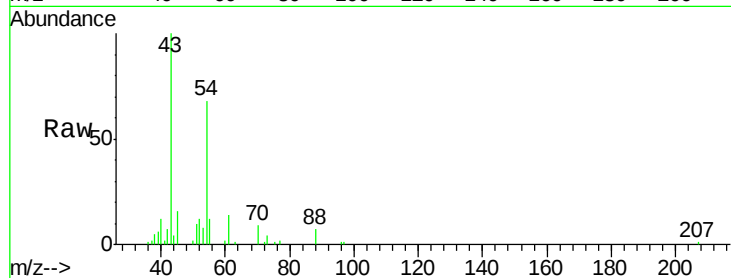




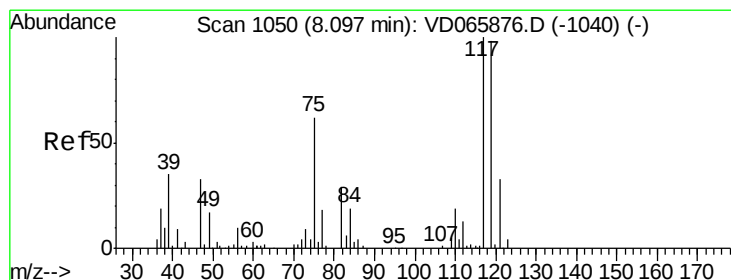
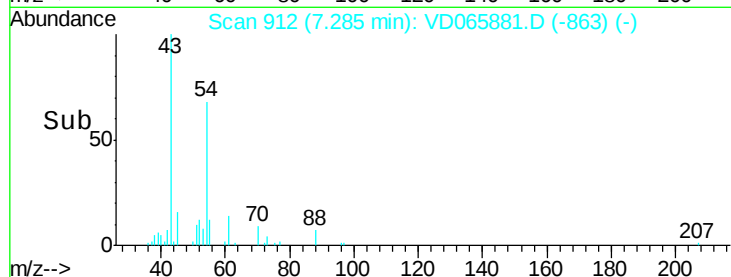
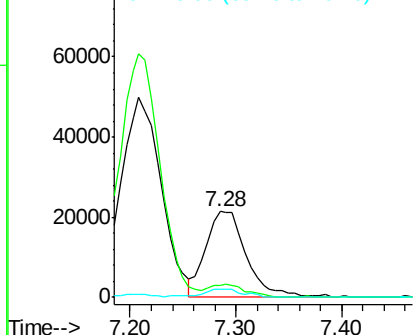
#37
Ethyl Acetate
Concen: 49.660 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 56964
Ion Ratio Lower Upper
43 100
61 14.3 0.0 0.0#
70 9.2 8.5 12.7

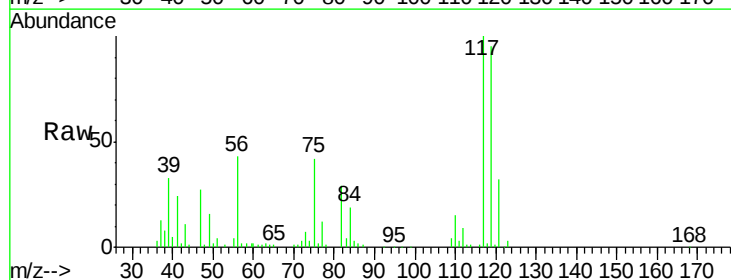


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

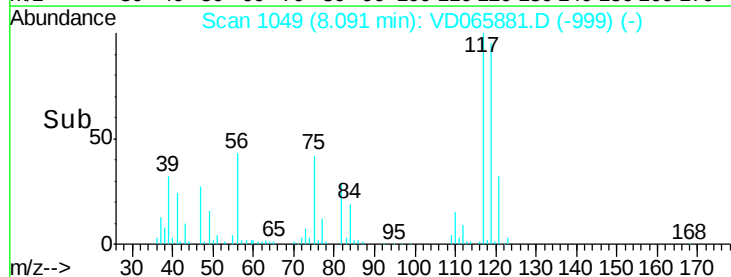
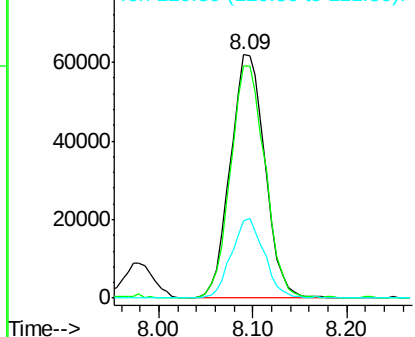


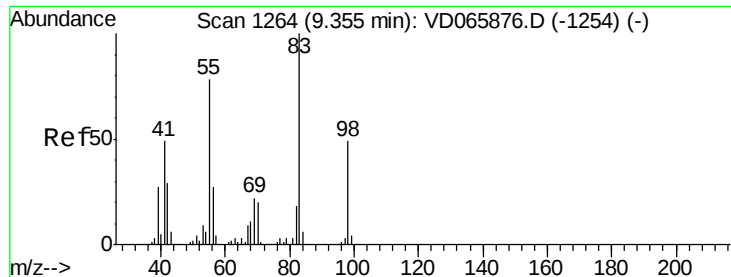
#38
Carbon Tetrachloride
Concen: 48.931 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion: 117 Resp: 158510
Ion Ratio Lower Upper
117 100
119 95.2 78.6 117.8
121 31.9 26.5 39.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

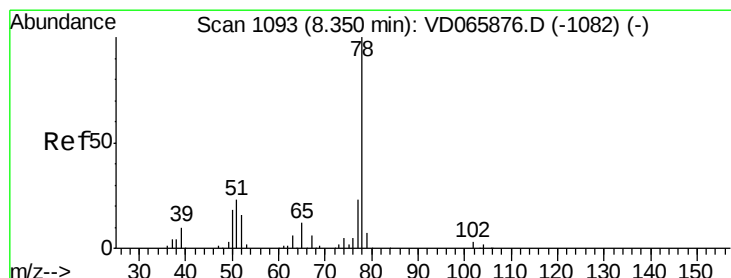
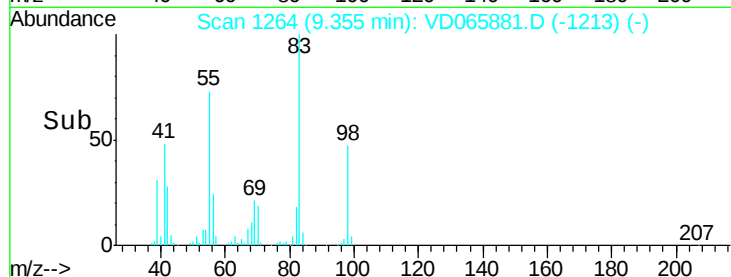
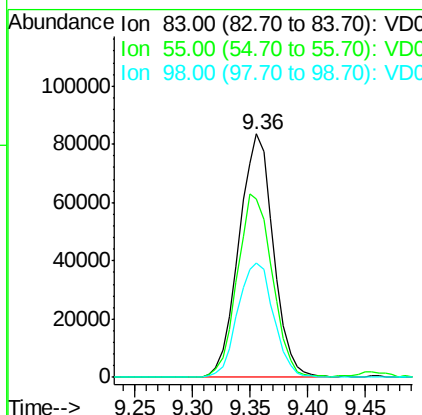
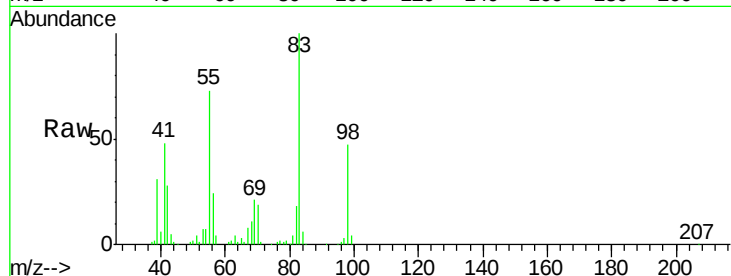




#39
Methvlcvclohexane
Concen: 48.575 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

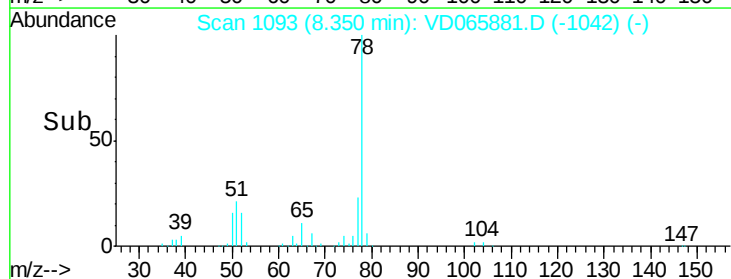
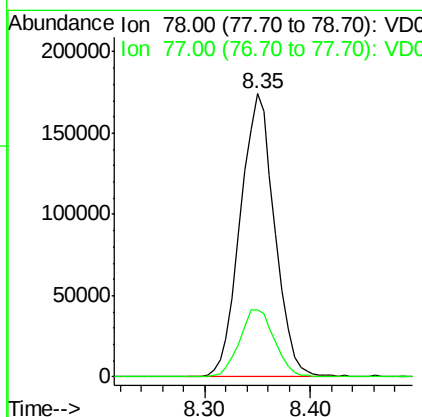
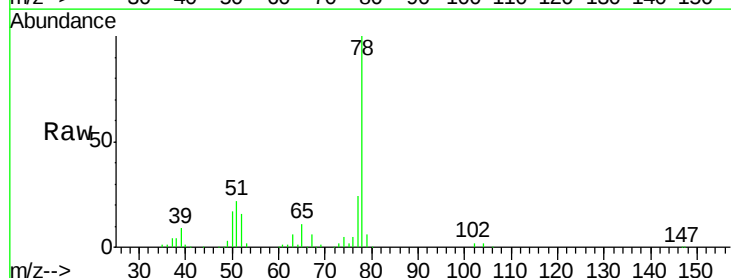
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

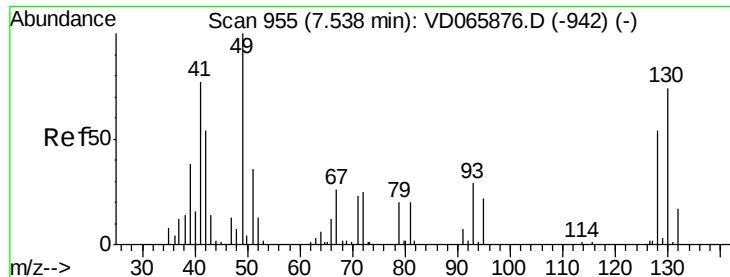
Tot Ion: 83 Resp: 173140
Ion Ratio Lower Upper
83 100
55 73.2 62.2 93.4
98 46.9 39.6 59.4



#40
Benzene
Concen: 47.252 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion: 78 Resp: 393274
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





#41

Methacrylonitrile

Concen: 50.066 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 31508

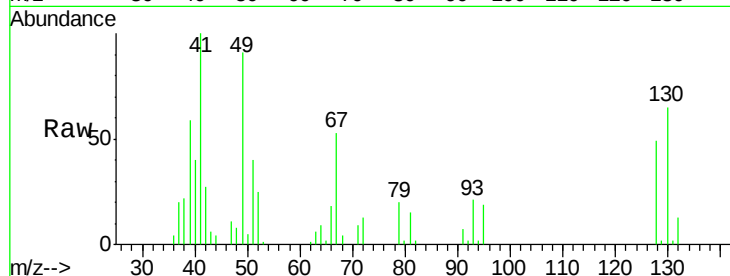
Ion Ratio Lower Upper

41 100

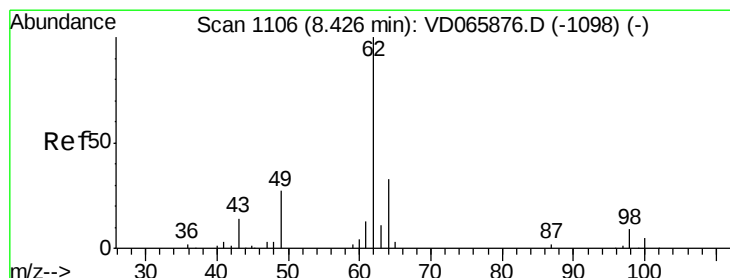
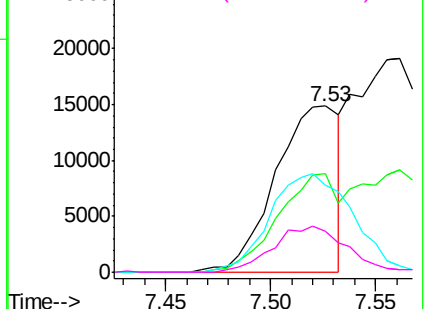
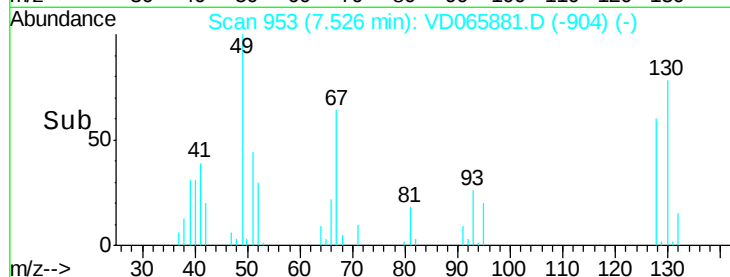
39 0.0 82.7 124.1#

67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.341 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065881.D

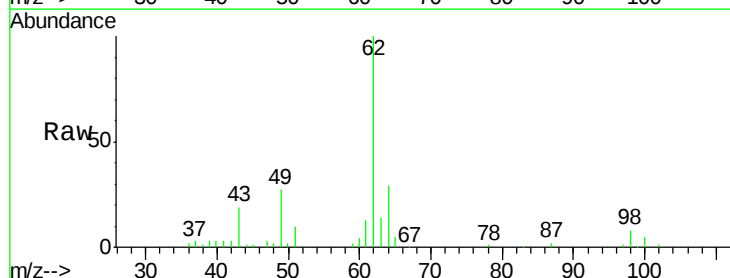
Acq: 29 Jun 2020 12:36

Tgt Ion: 62 Resp: 118691

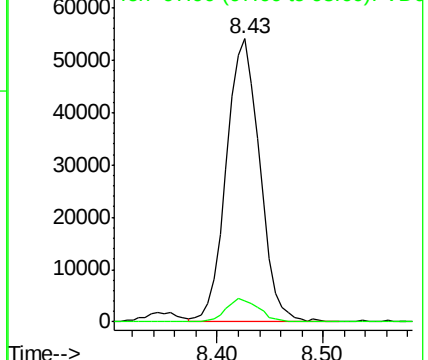
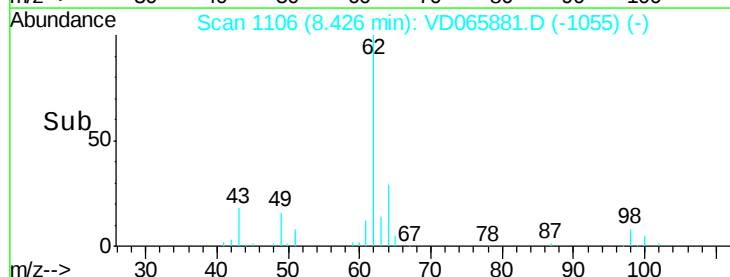
Ion Ratio Lower Upper

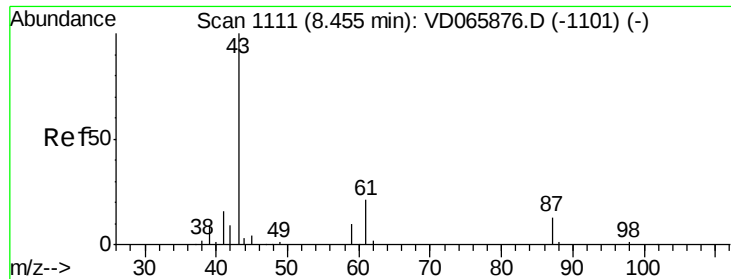
62 100

98 8.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.895 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

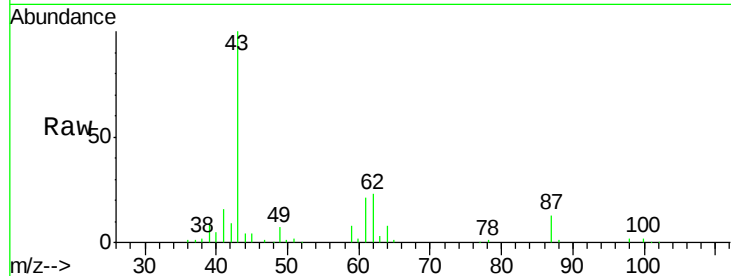
Tot Ion: 43 Resp: 110902

Ion Ratio Lower Upper

43 100

61 29.4 25.2 37.8

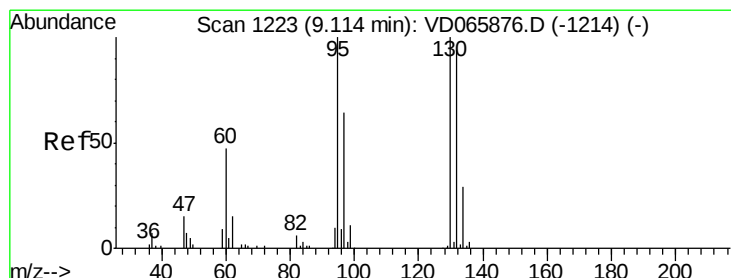
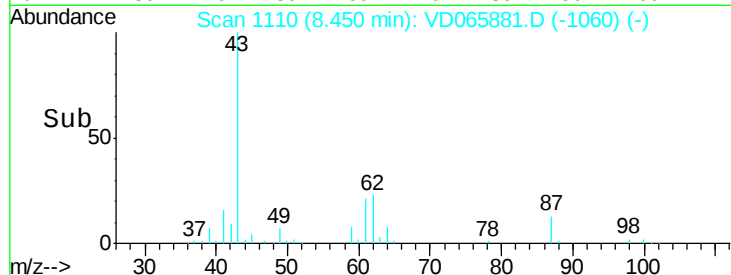
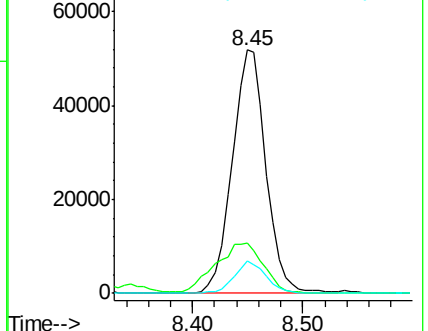
87 12.4 10.4 15.6



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: 47.905 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065881.D

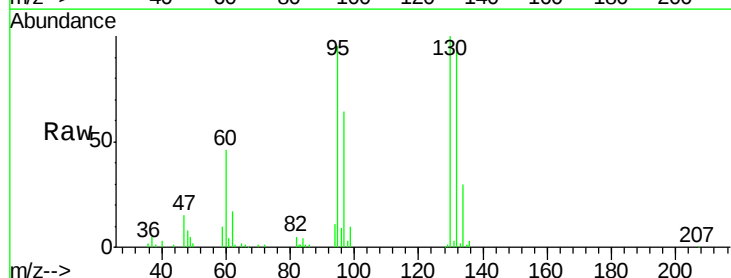
Acq: 29 Jun 2020 12:36

Tgt Ion: 130 Resp: 108010

Ion Ratio Lower Upper

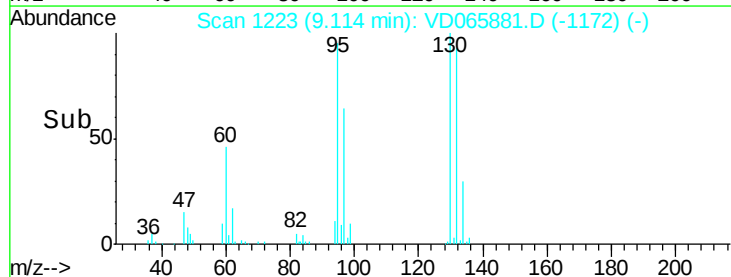
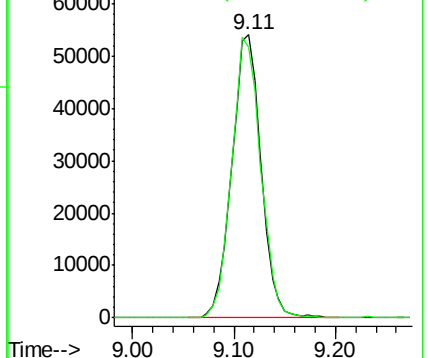
130 100

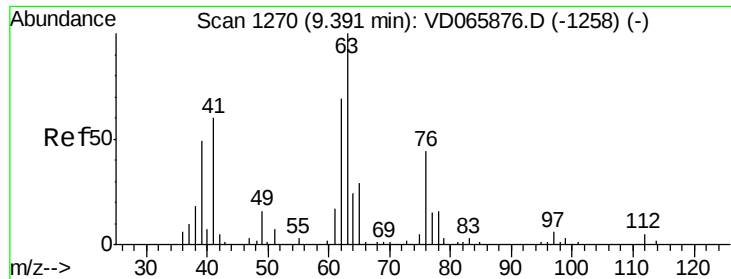
95 95.5 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

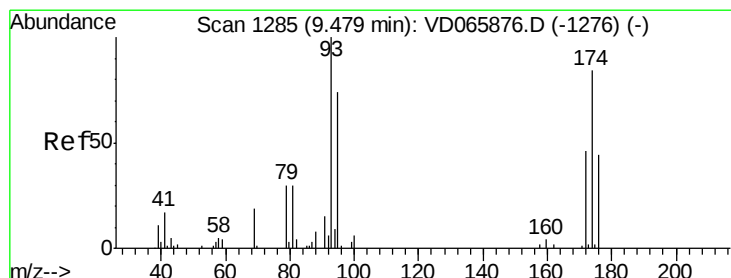
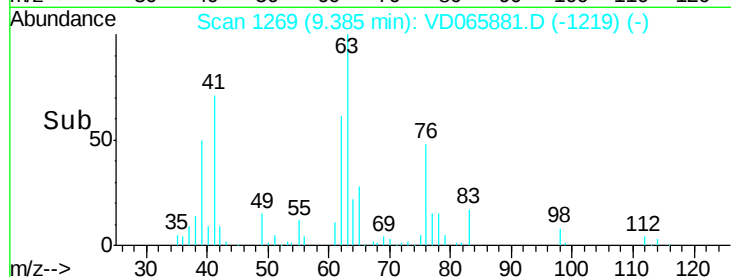
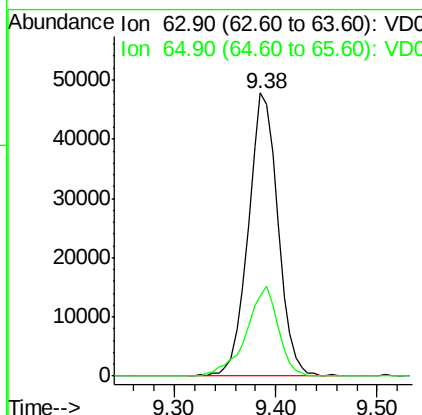
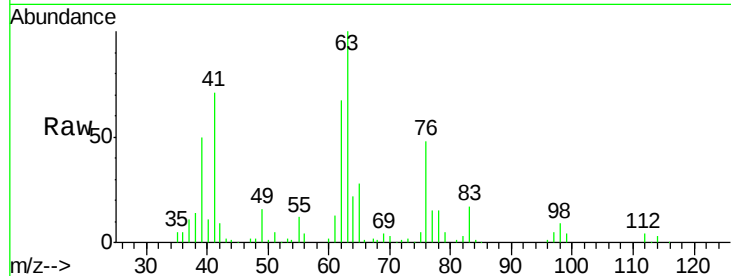




#45
 1,2-Dichloropropane
 Concen: 48.886 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

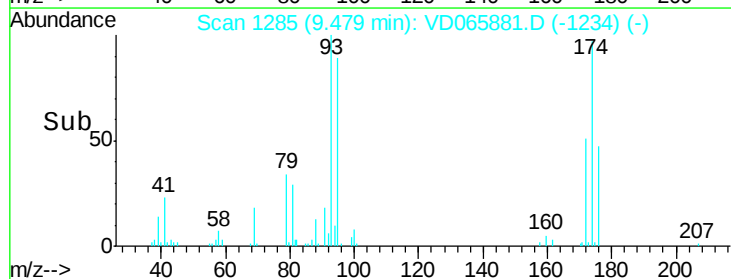
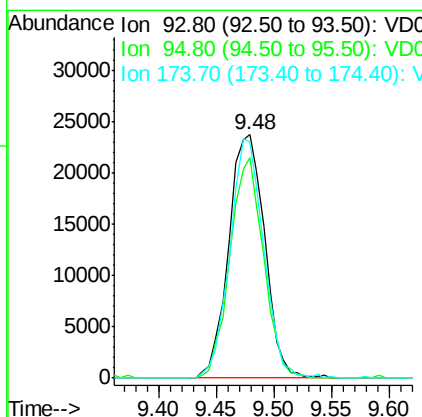
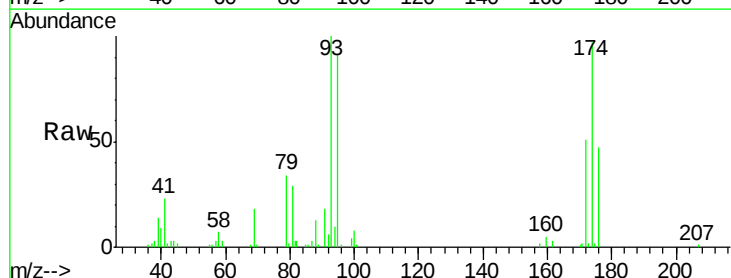
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

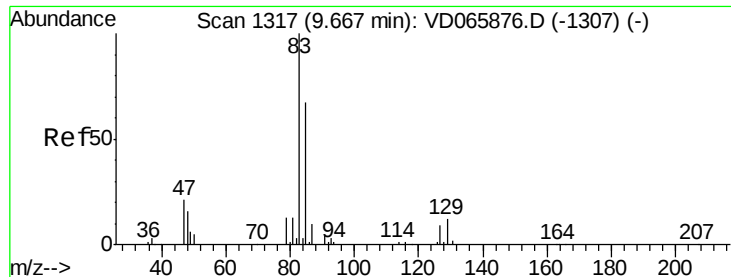
Tot Ion: 63 Resp: 97465
 Ion Ratio Lower Upper
 63 100
 65 28.4 23.4 35.0



#46
 Dibromomethane
 Concen: 46.504 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 93 Resp: 51394
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.4 98.0
 174 92.2 75.2 112.8





#47

Bromodichloromethane

Concen: 48.653 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

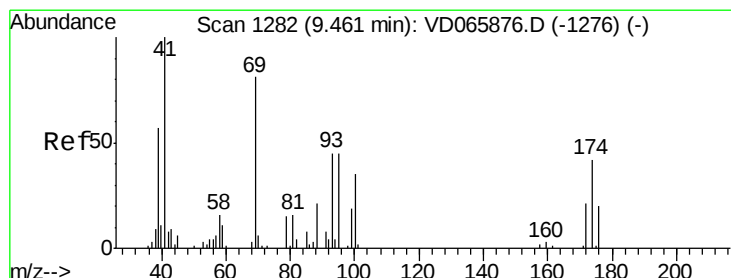
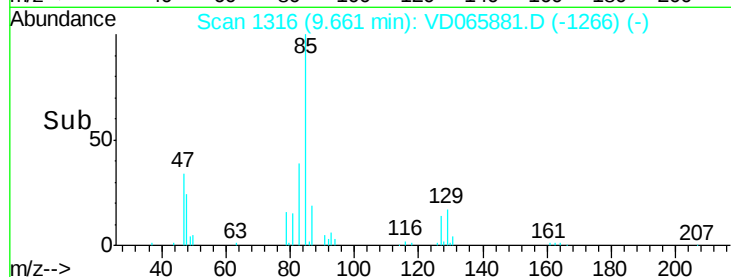
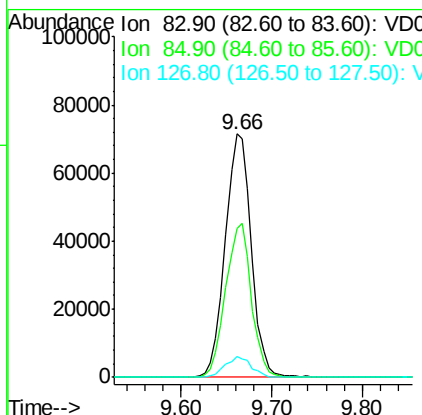
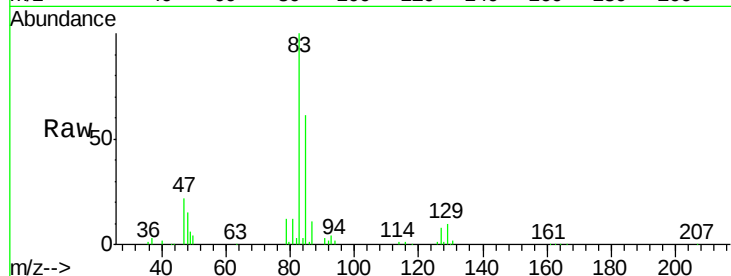
Tot Ion: 83 Resp: 142877

Ion Ratio Lower Upper

83 100

85 61.0 53.9 80.9

127 8.3 7.0 10.4



#48

Methyl methacrylate

Concen: 46.377 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

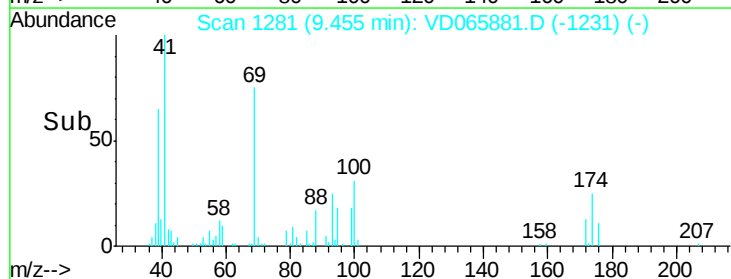
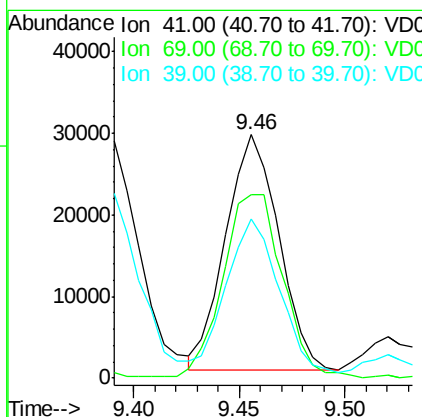
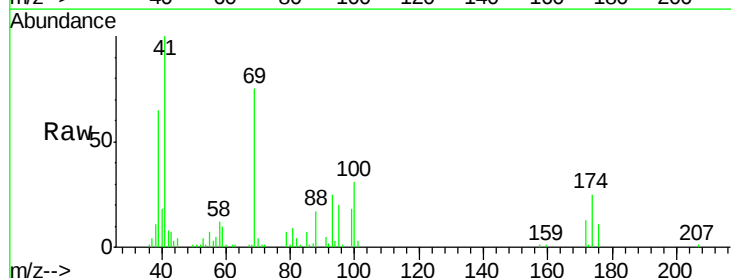
Tgt Ion: 41 Resp: 50528

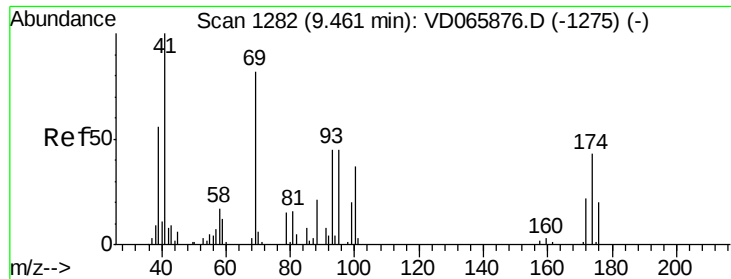
Ion Ratio Lower Upper

41 100

69 87.9 68.3 102.5

39 64.9 54.1 81.1

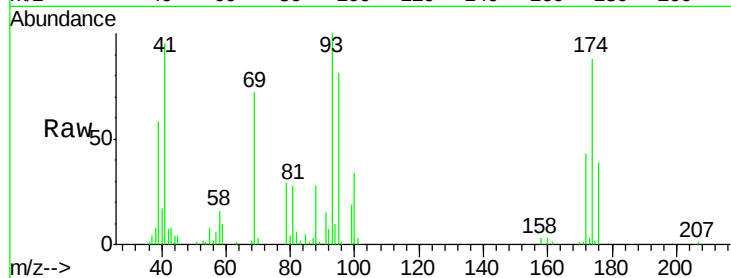




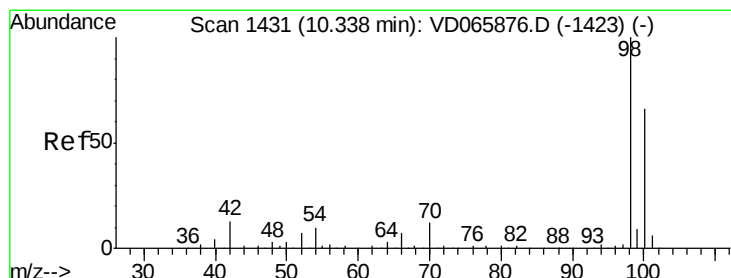
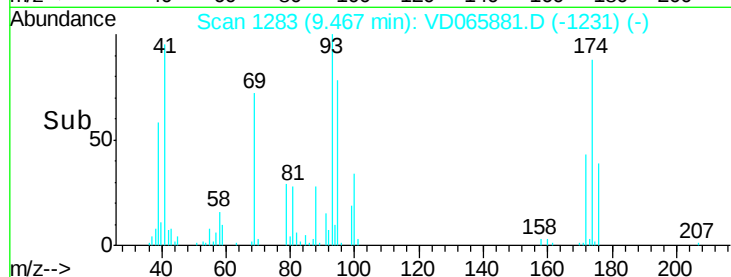
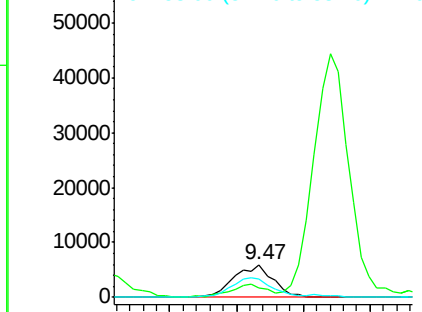
#49
1,4-Dioxane
Concen: 1065.723 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 12048
Ion Ratio Lower Upper
88 100
43 36.5 35.8 53.8
58 63.8 58.6 87.8

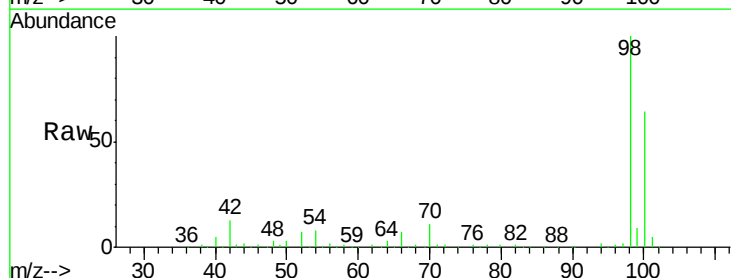


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

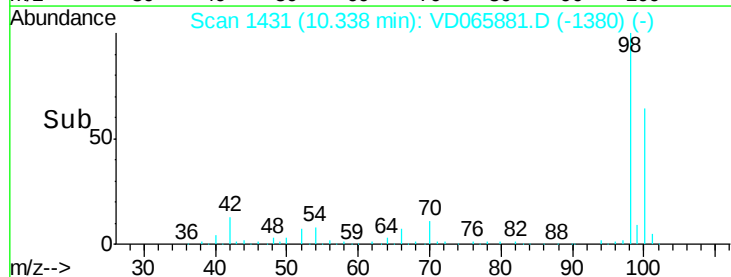
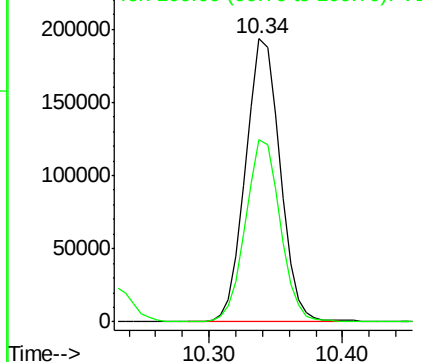


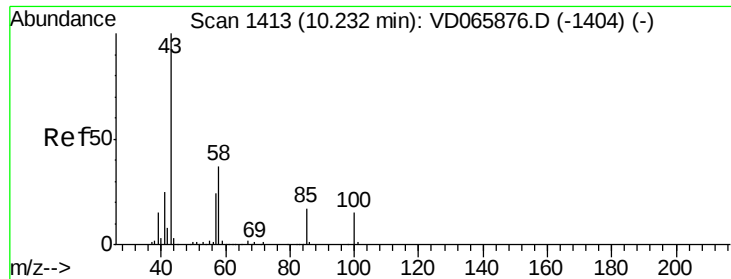
#50
Toluene-d8
Concen: 48.427 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion: 98 Resp: 346404
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



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

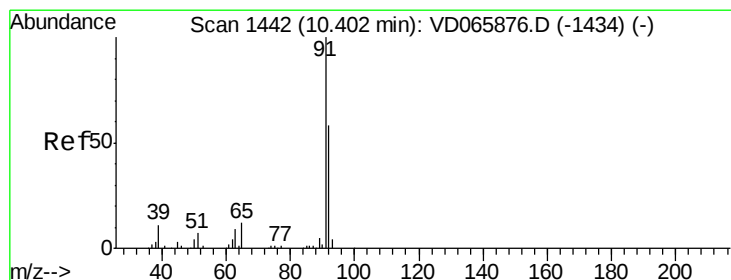
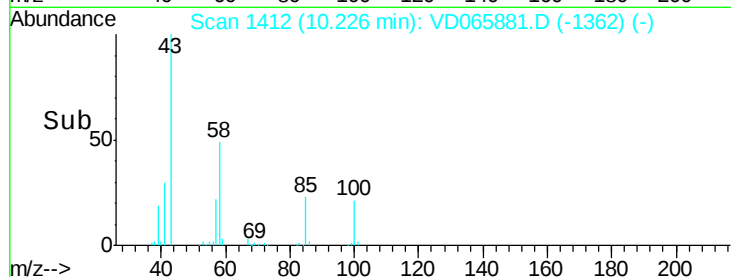
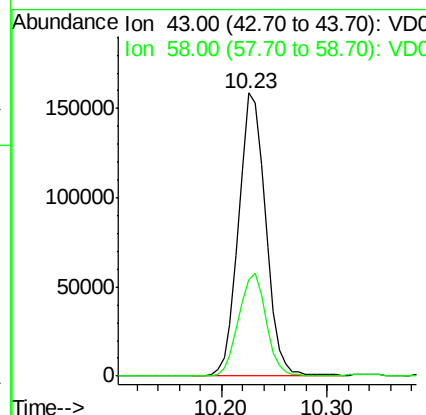
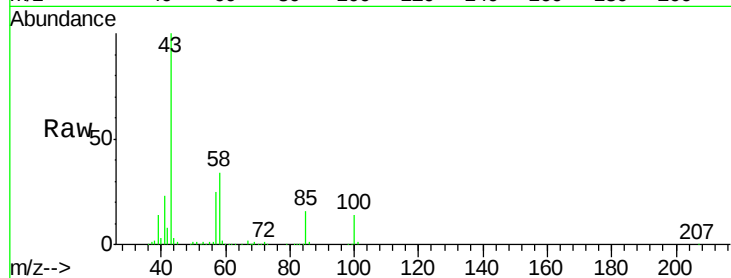




#51
4-Methyl-2-Pentanone
Concen: 246.468 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

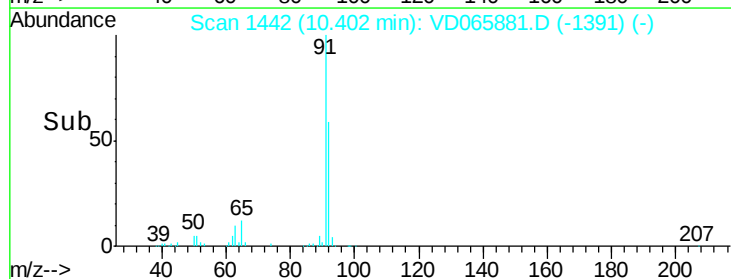
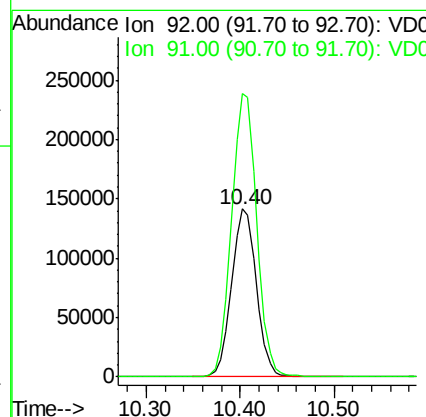
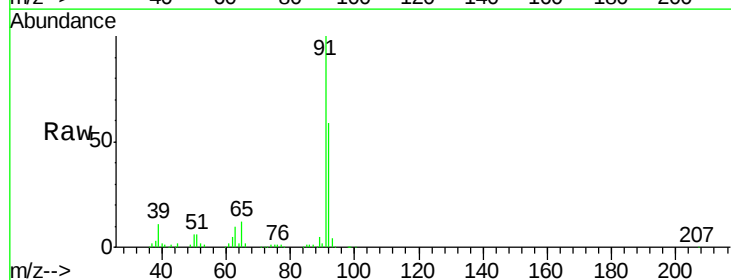
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

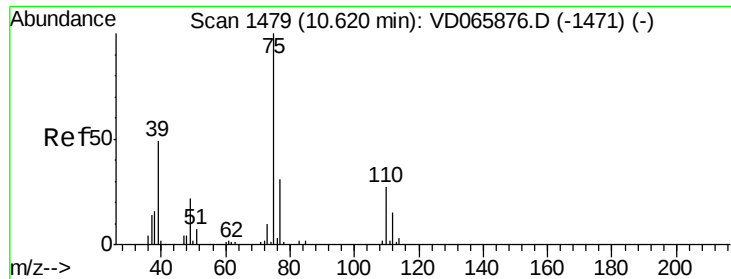
Tot Ion: 43 Resp: 282386
Ion Ratio Lower Upper
43 100
58 36.6 29.5 44.3



#52
Toluene
Concen: 47.944 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion: 92 Resp: 259435
Ion Ratio Lower Upper
92 100
91 170.9 140.8 211.2

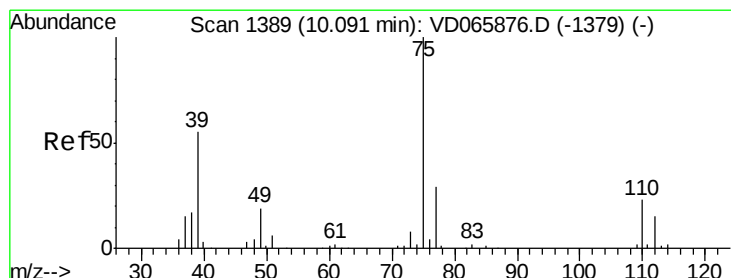
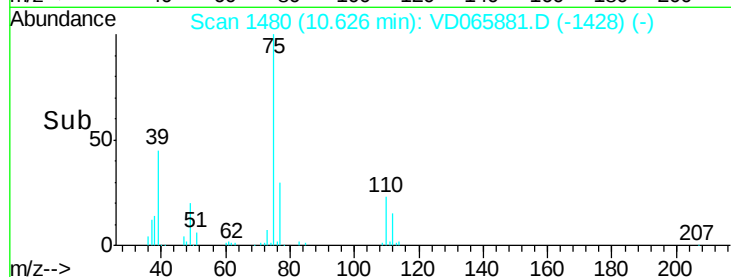
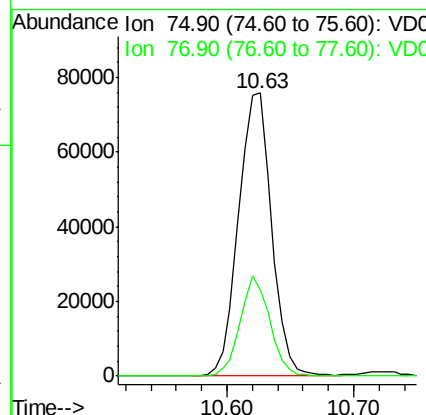
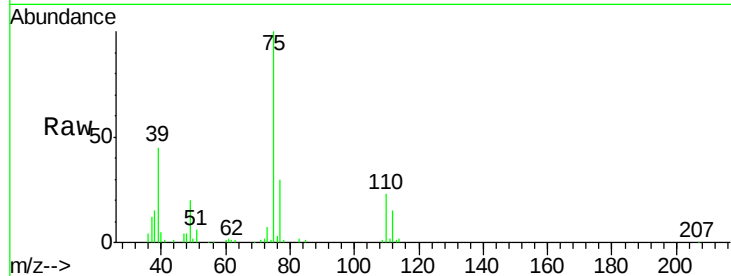




#53
 t-1,3-Dichloropropene
 Concen: 48.997 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

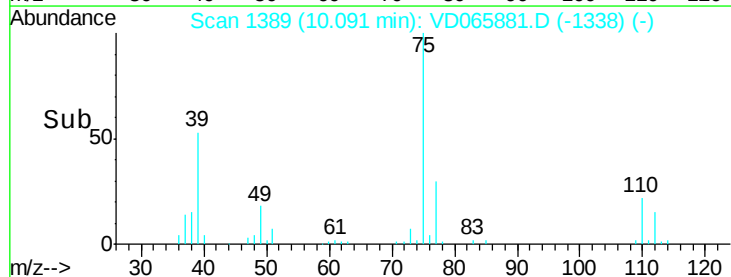
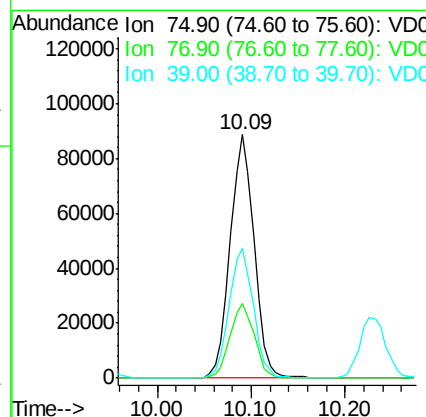
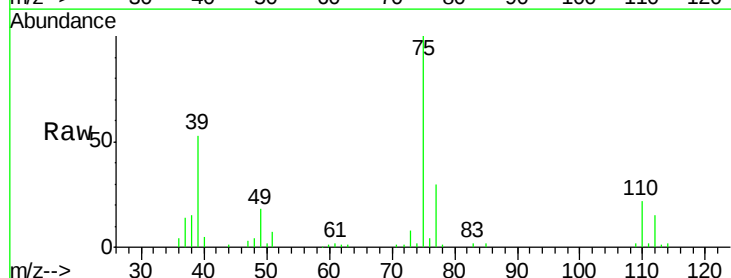
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

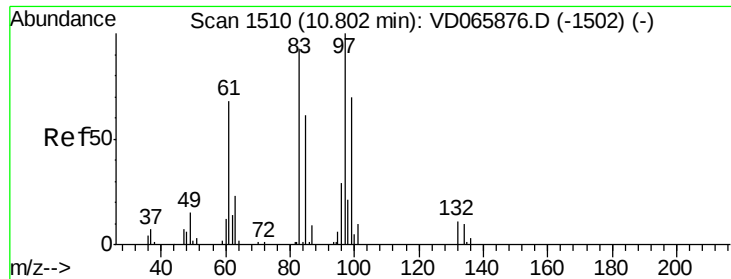
Tot Ion: 75 Resp: 137351
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 47.855 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 75 Resp: 157517
 Ion Ratio Lower Upper
 75 100
 77 30.4 23.4 35.0
 39 53.1 43.9 65.9





#55

1,1,2-Trichloroethane

Concen: 48.087 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 70427

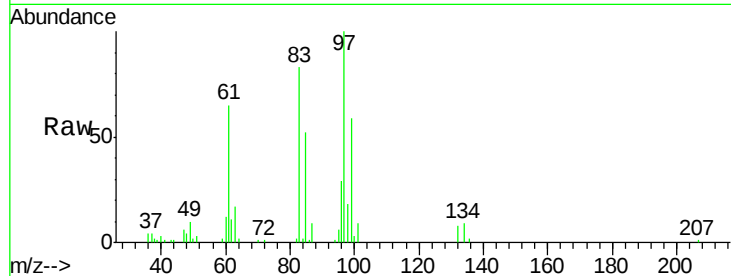
Ion	Ratio	Lower	Upper
97	100		
83	82.6	74.2	111.4
85	52.3	48.8	73.2
99	59.3	55.9	83.9

97 100

83 82.6 74.2 111.4

85 52.3 48.8 73.2

99 59.3 55.9 83.9



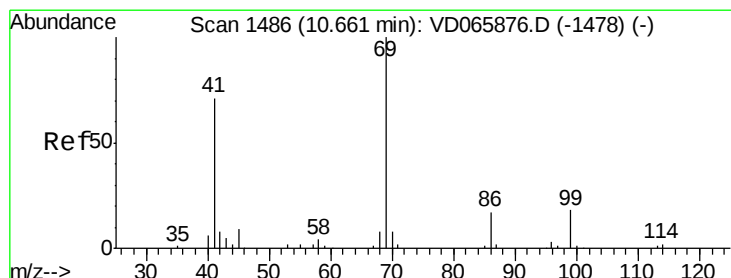
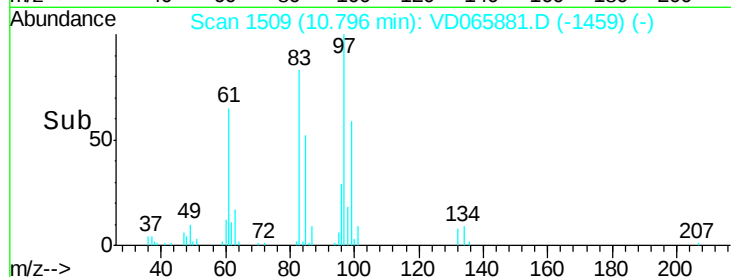
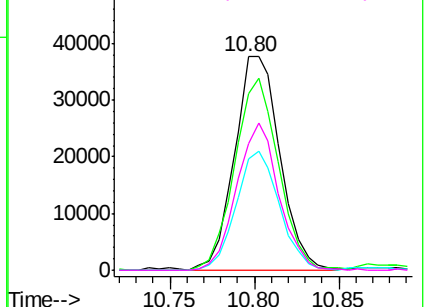
Abundance

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: 49.340 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

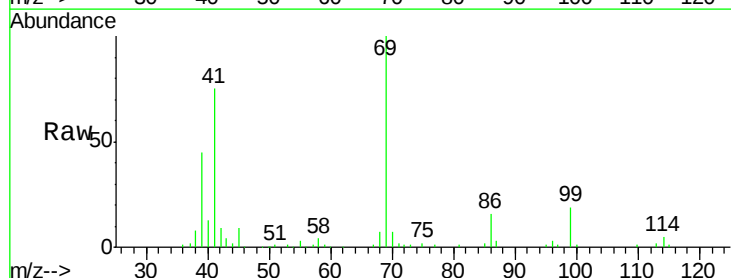
Tgt Ion: 69 Resp: 89728

Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.4	83.2
39	39.1	33.0	49.4

69 100

41 70.3 55.4 83.2

39 39.1 33.0 49.4

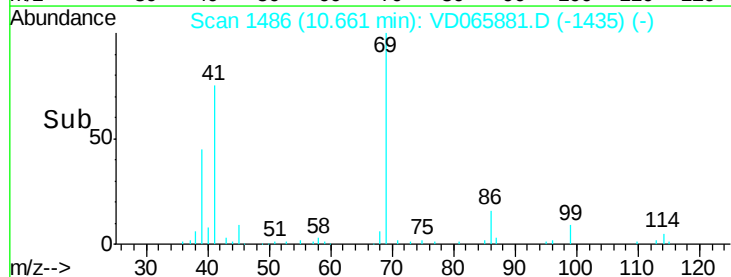
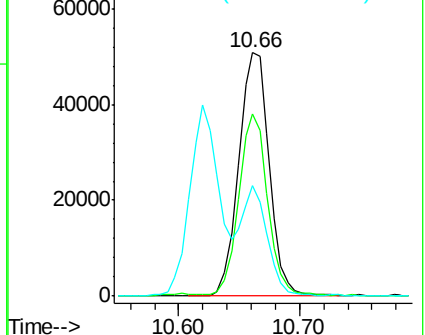


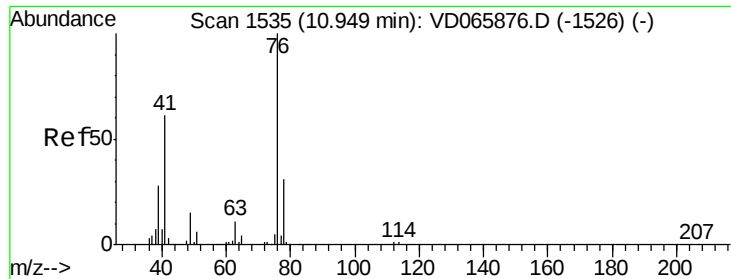
Abundance

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

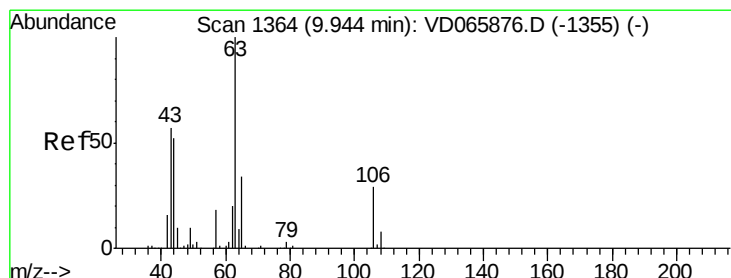
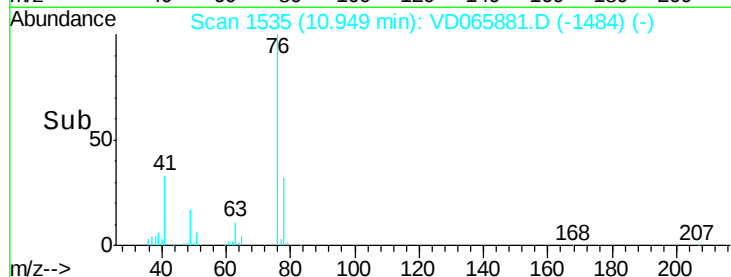
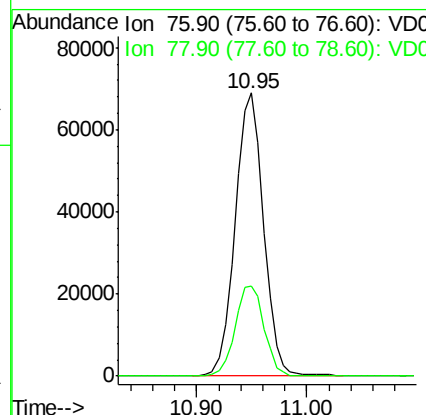
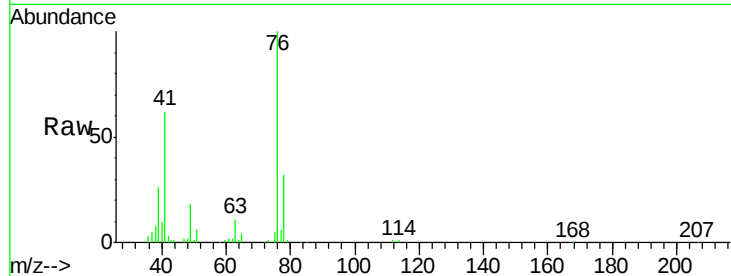




#57
 1,3-Dichloropropane
 Concen: 48.431 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

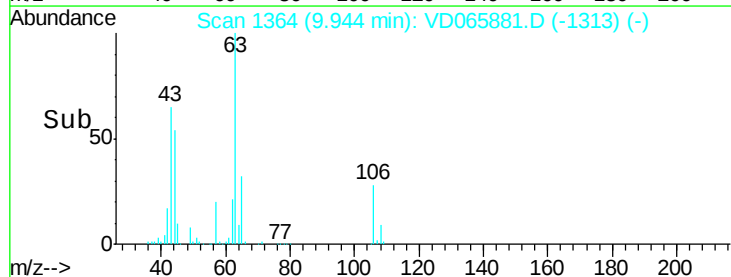
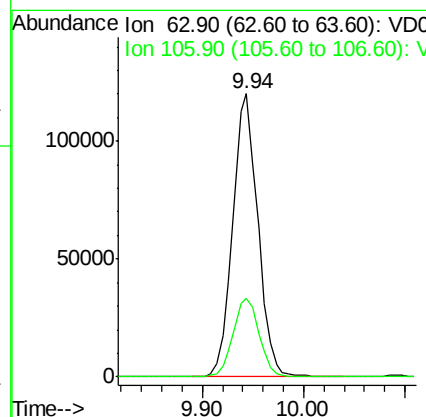
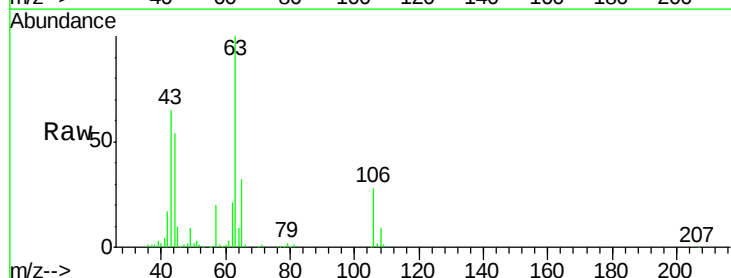
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

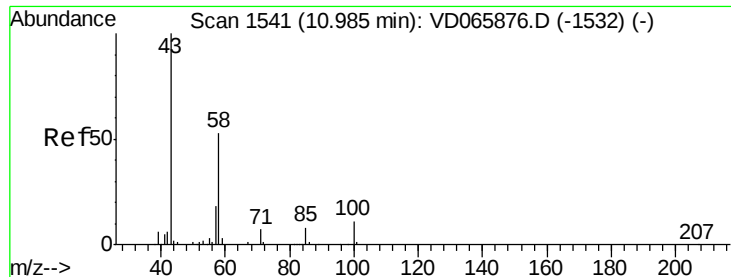
Tot Ion: 76 Resp: 124422
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.1 37.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.481 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 63 Resp: 206835
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.6 34.0

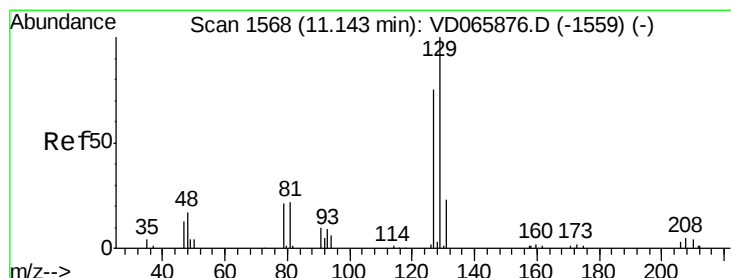
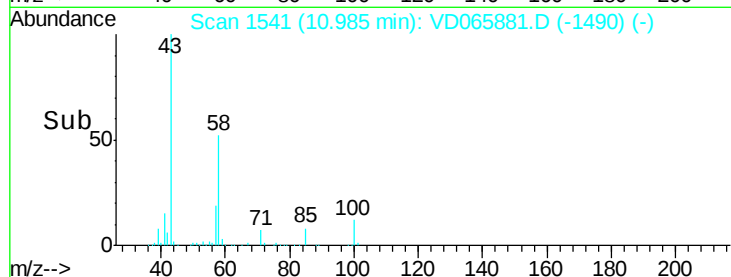
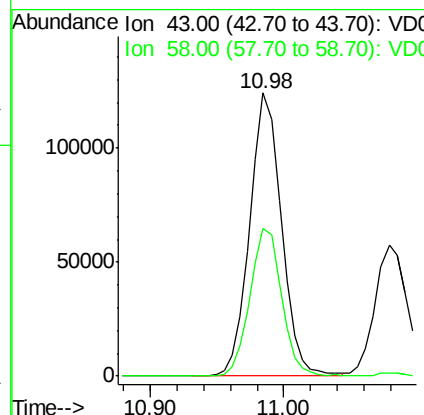
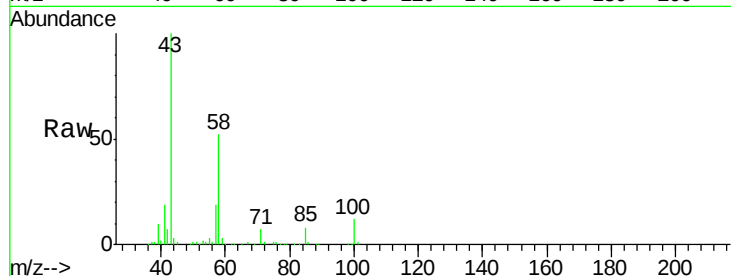




#59
2-Hexanone
Concen: 253.942 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

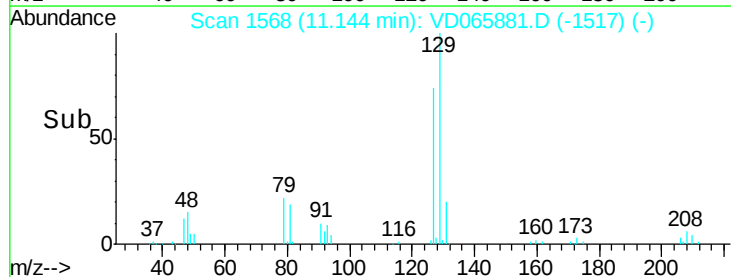
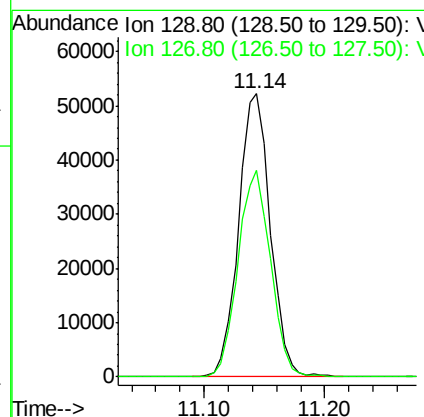
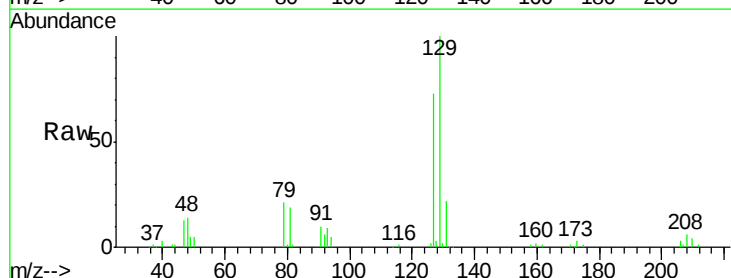
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

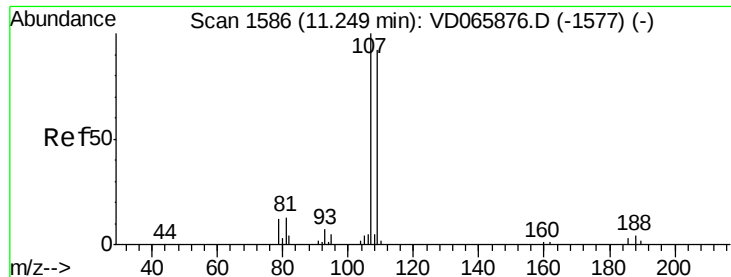
Tot Ion: 43 Resp: 203941
Ion Ratio Lower Upper
43 100
58 52.0 26.1 78.3



#60
Dibromochloromethane
Concen: 47.913 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion: 129 Resp: 95848
Ion Ratio Lower Upper
129 100
127 74.6 39.1 117.2

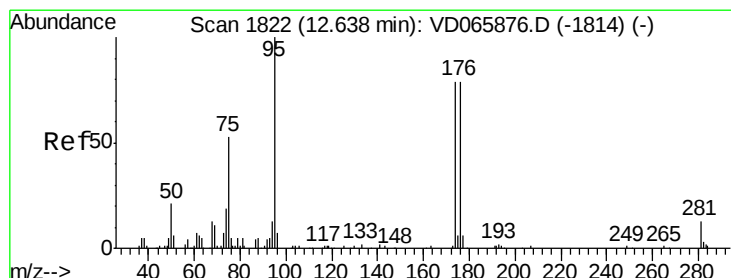
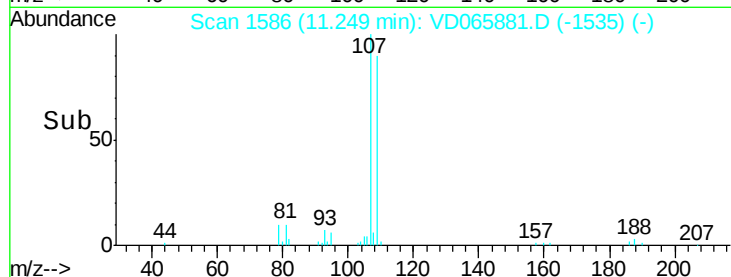
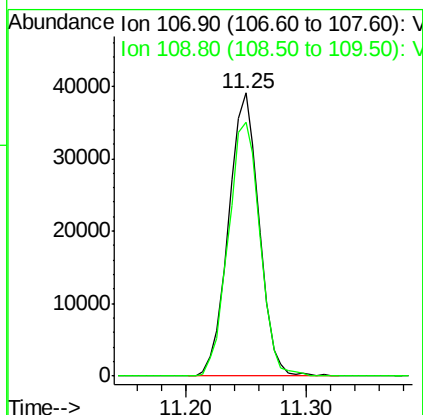
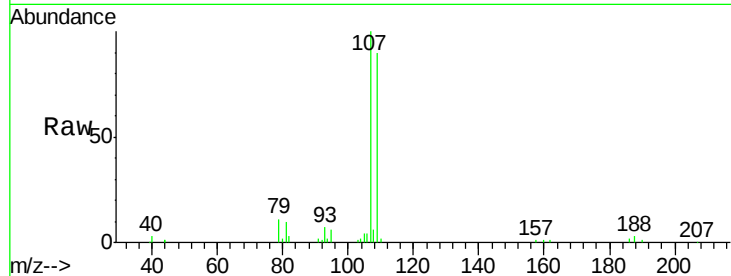




#61
 1,2-Dibromoethane
 Concen: 47.994 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

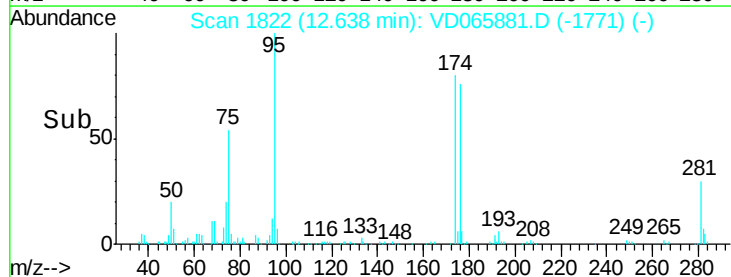
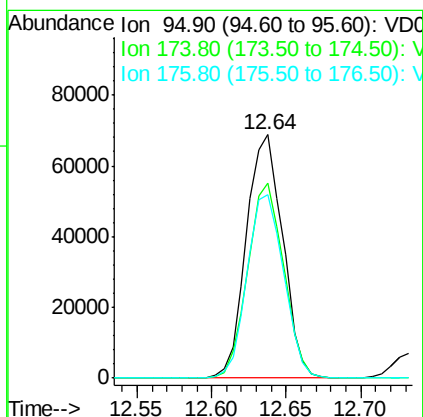
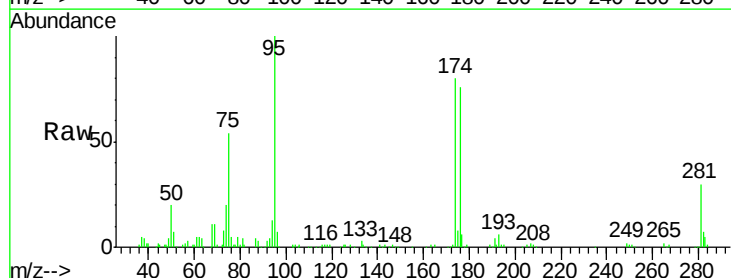
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

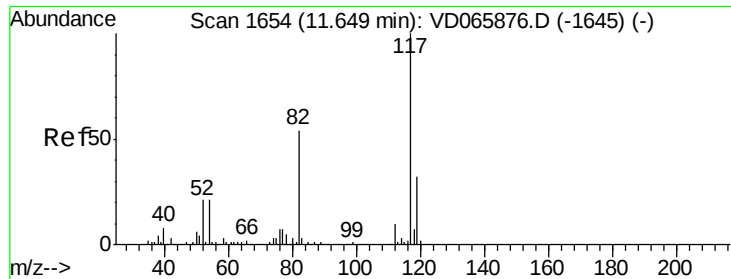
Tot Ion:107 Resp: 68795
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.352 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 95 Resp: 115649
 Ion Ratio Lower Upper
 95 100
 174 79.2 0.0 158.4
 176 76.3 0.0 156.0

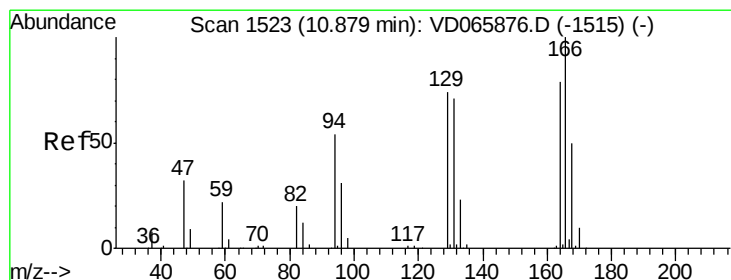
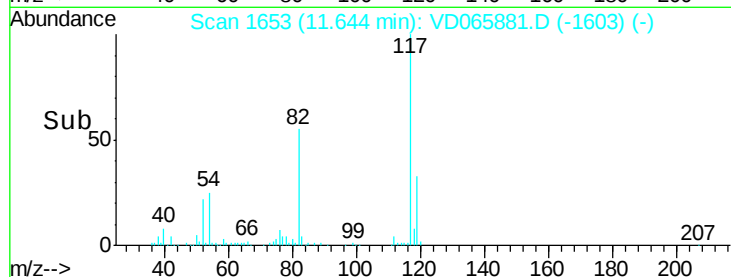
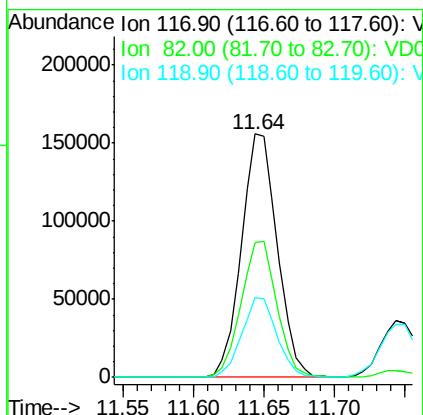
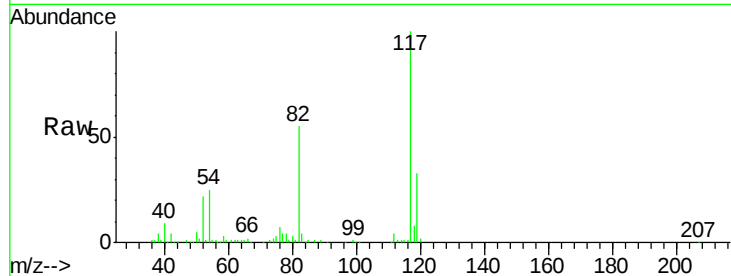




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

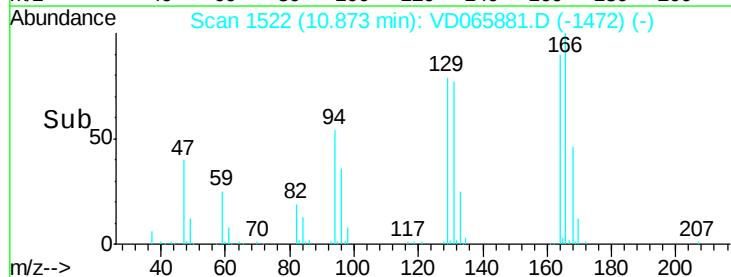
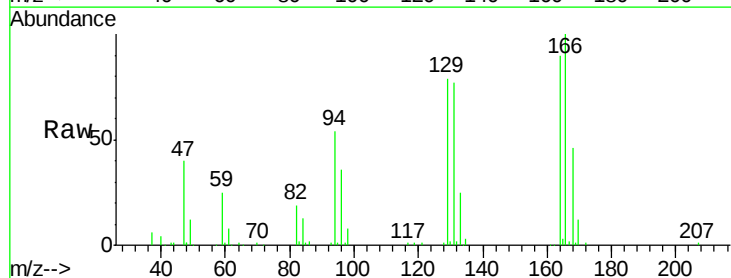
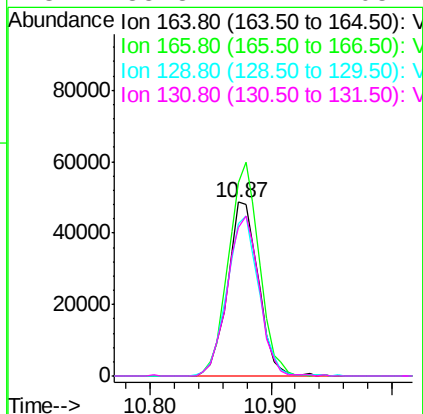
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

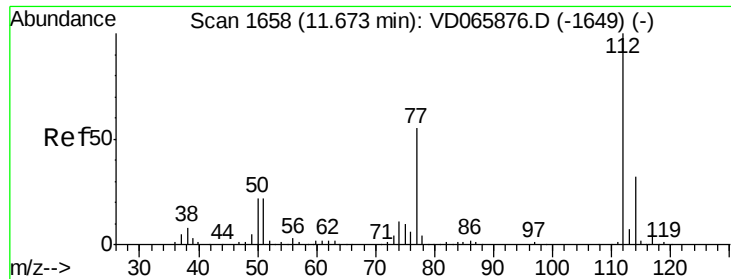
Tot Ion:117 Resp: 277601
Ion Ratio Lower Upper
117 100
82 55.2 43.6 65.4
119 32.6 25.9 38.9



#64
Tetrachloroethene
Concen: 47.577 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion:164 Resp: 86245
Ion Ratio Lower Upper
164 100
166 111.6 101.3 151.9
129 87.9 74.5 111.7
131 85.8 72.2 108.4

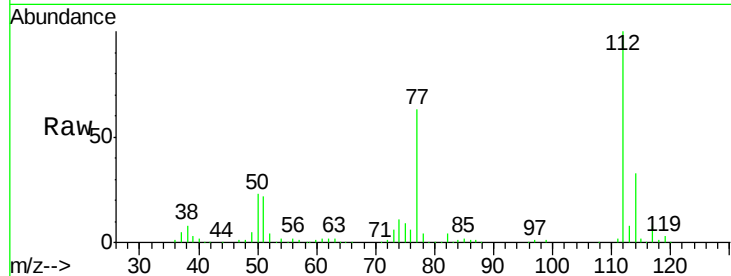




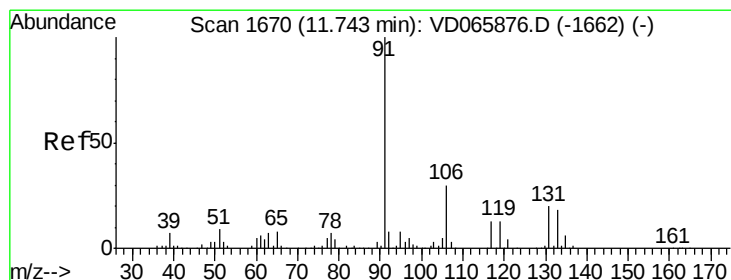
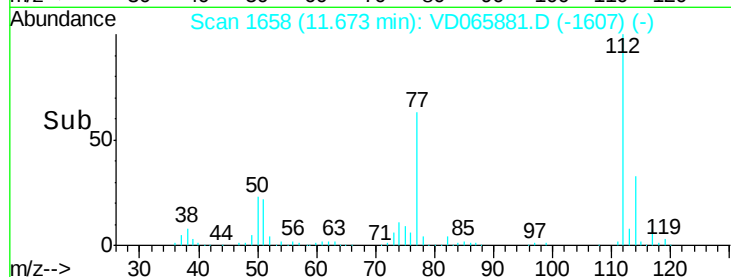
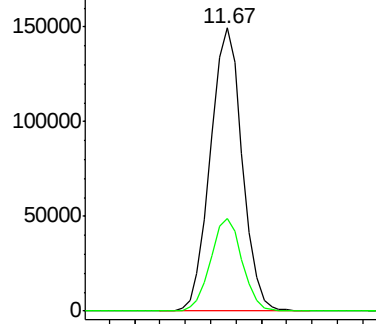
#65
Chlorobenzene
Concen: 47.231 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 260074
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0

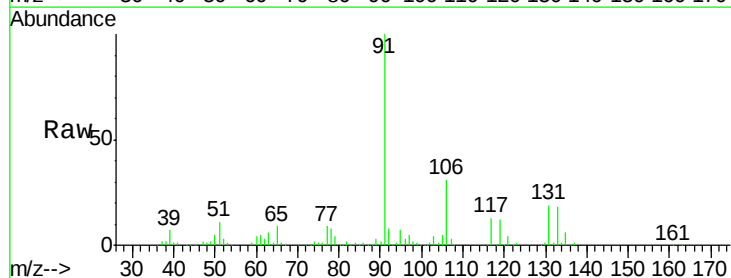


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

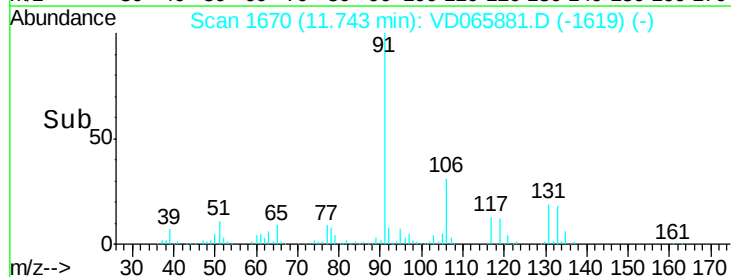
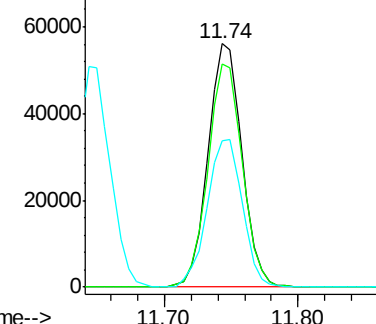


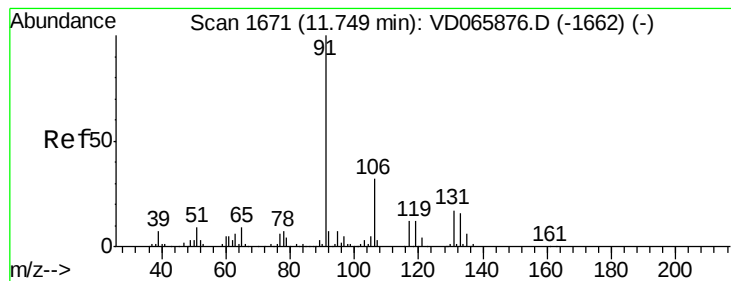
#66
1,1,1,2-Tetrachloroethane
Concen: 47.886 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion:131 Resp: 98228
Ion Ratio Lower Upper
131 100
133 93.4 48.1 144.3
119 63.1 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 47.897 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

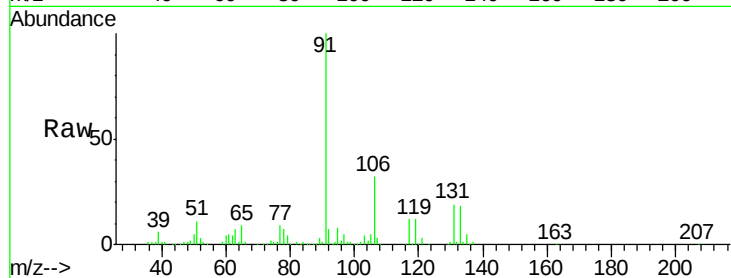
VSTDCCC050

Tot Ion: 91 Resp: 489835

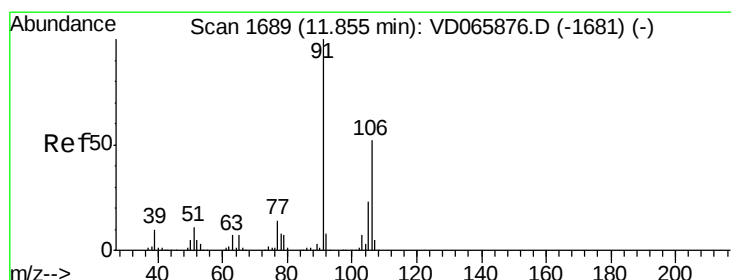
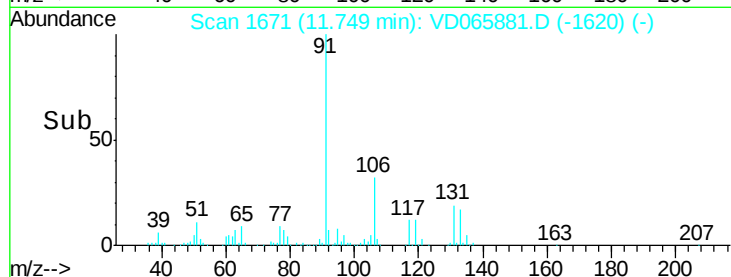
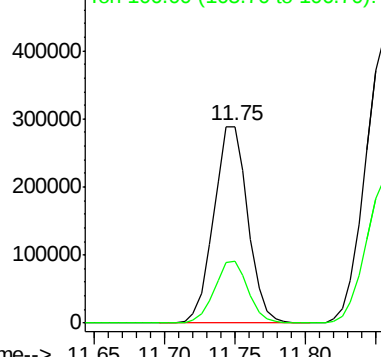
Ion Ratio Lower Upper

91 100

106 31.6 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VD065876.D (-1662) (-)



#68

m/p-Xylenes

Concen: 99.613 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065881.D

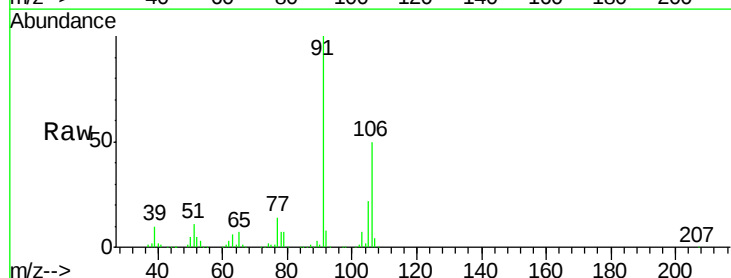
Acq: 29 Jun 2020 12:36

Tgt Ion: 106 Resp: 387864

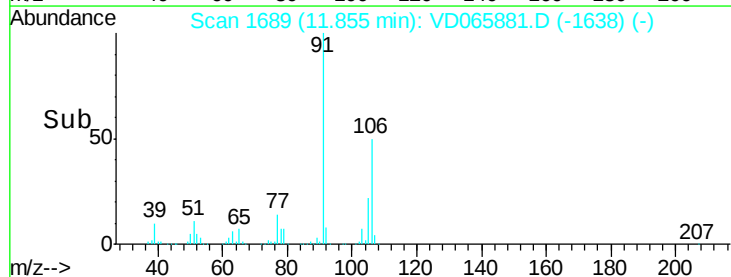
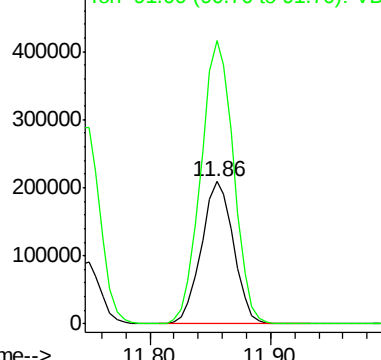
Ion Ratio Lower Upper

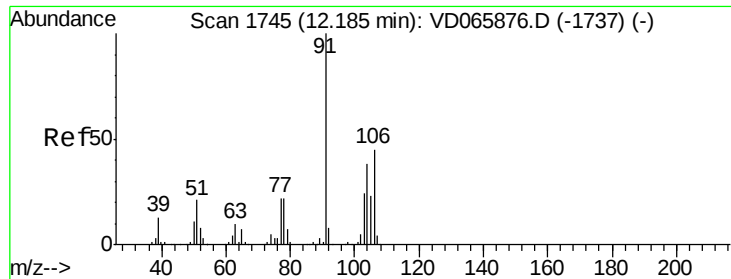
106 100

91 201.8 159.5 239.3



Abundance Ion 106.00 (105.70 to 106.70): VD065876.D (-1681) (-)

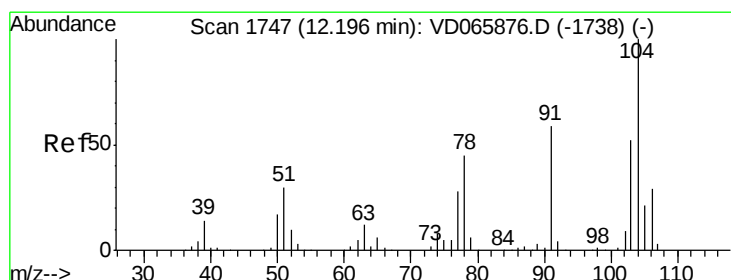
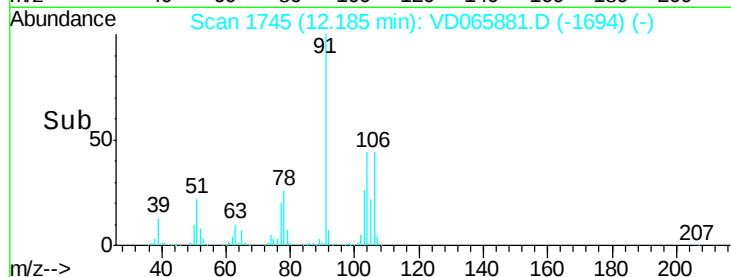
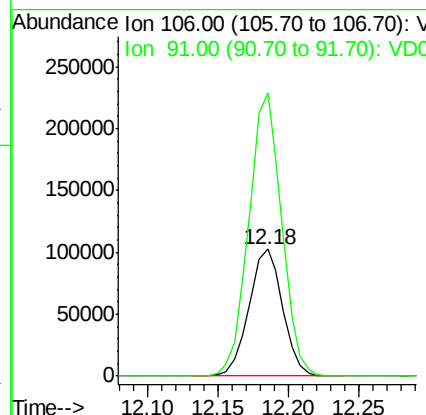
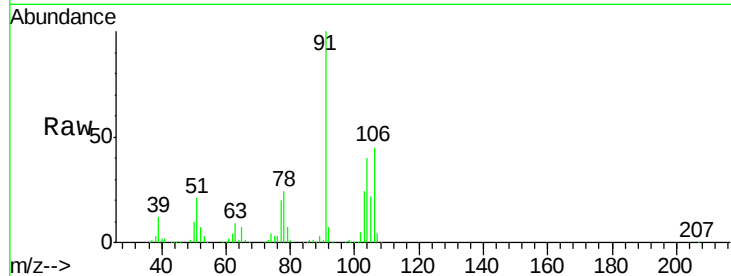




#69
o-Xylene
Concen: 49.034 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

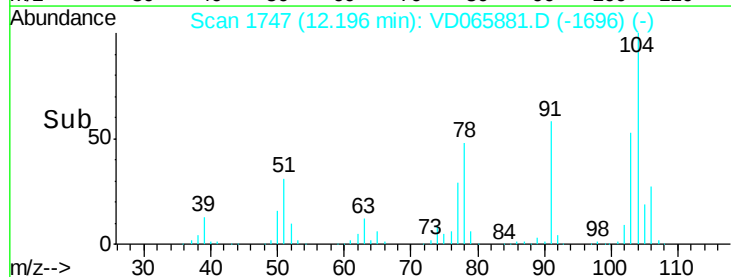
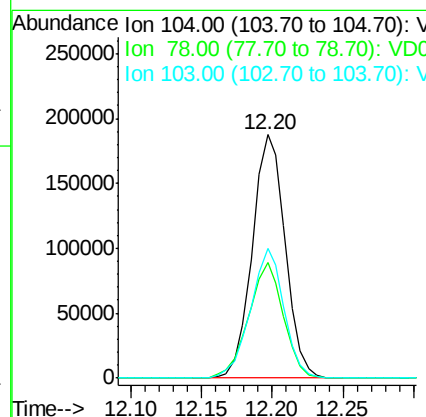
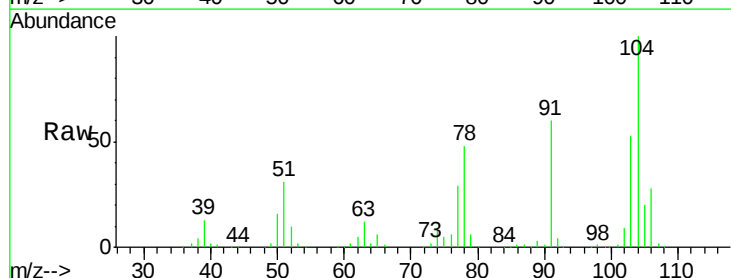
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

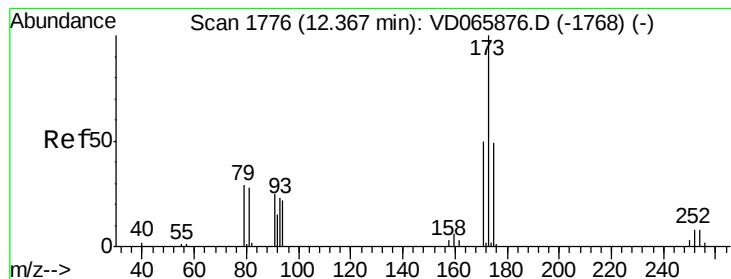
Tot Ion:106 Resp: 171571
Ion Ratio Lower Upper
106 100
91 218.3 107.5 322.6



#70
Styrene
Concen: 50.230 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion:104 Resp: 307320
Ion Ratio Lower Upper
104 100
78 50.0 39.8 59.6
103 54.2 44.6 66.8





#71

Bromoform

Concen: 46.211 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

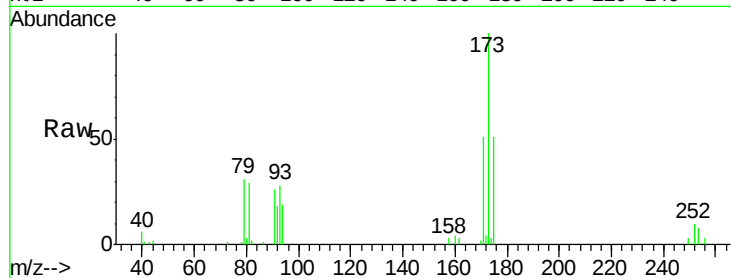
Tot Ion:173 Resp: 50340

Ion Ratio Lower Upper

173 100

175 50.8 23.9 71.8

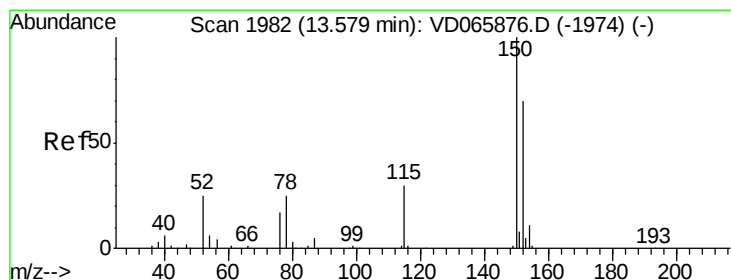
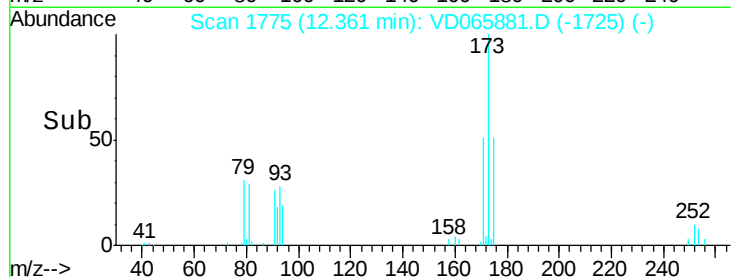
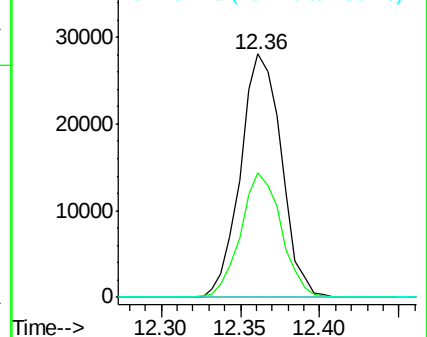
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

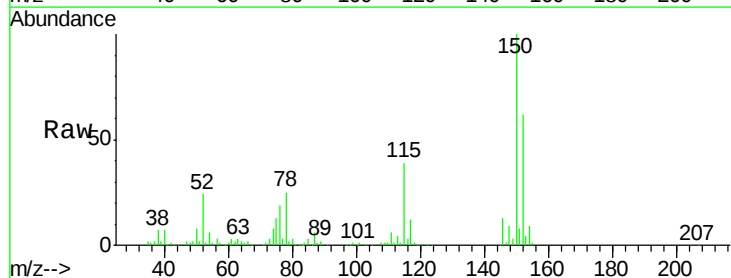
Tgt Ion:152 Resp: 134252

Ion Ratio Lower Upper

152 100

115 60.9 29.7 89.1

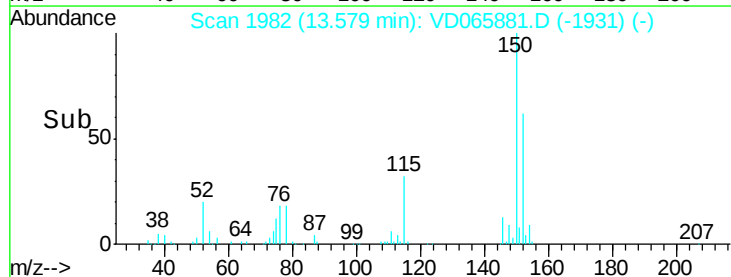
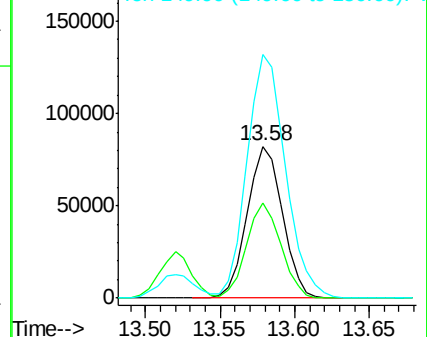
150 175.3 0.0 346.2

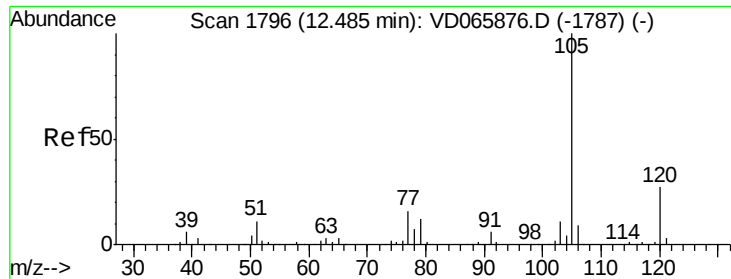


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.960 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

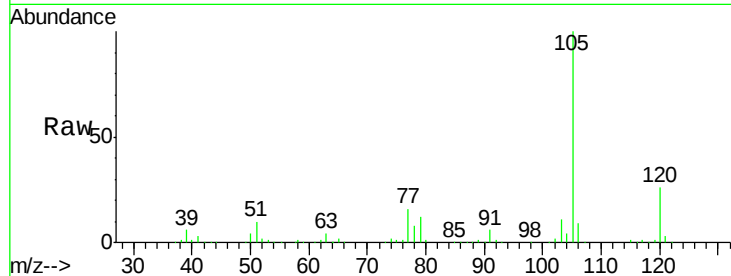
VSTDCCC050

Tot Ion:105 Resp: 480383

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

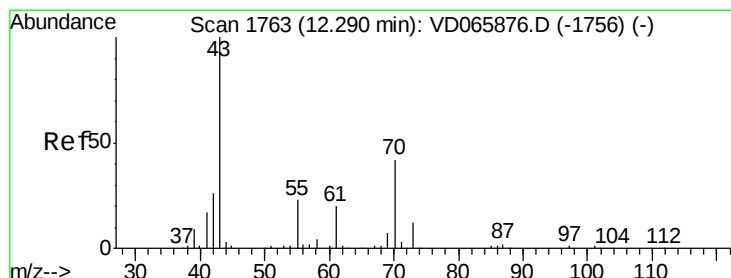
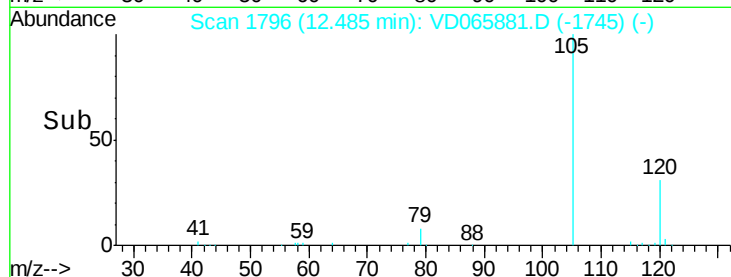
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 50.615 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Tgt Ion: 43 Resp: 107529

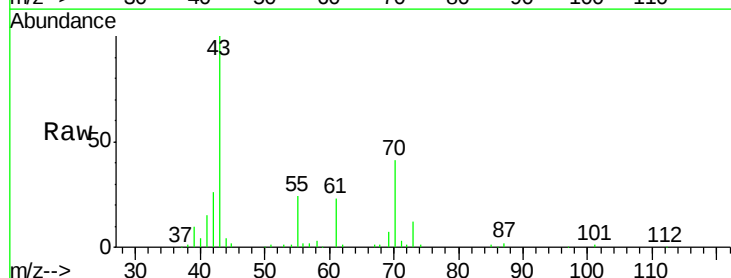
Ion Ratio Lower Upper

43 100

70 42.0 32.5 48.7

55 24.0 18.7 28.1

61 22.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.29

100000

80000

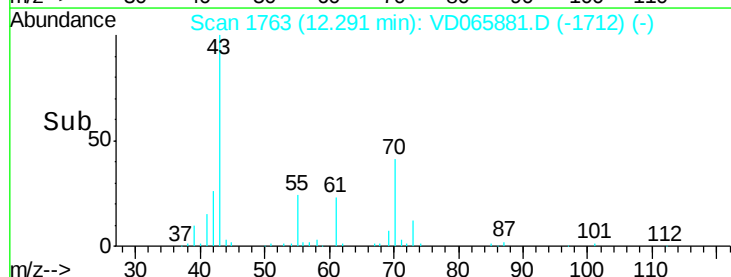
60000

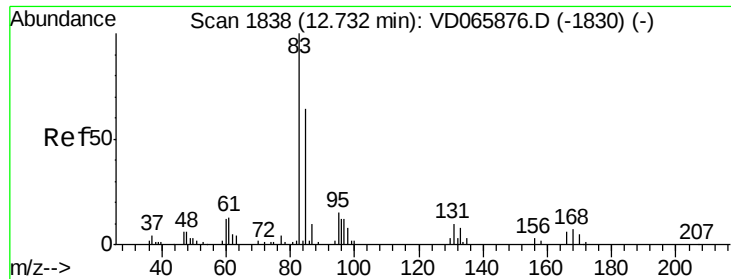
40000

20000

0

Time-->

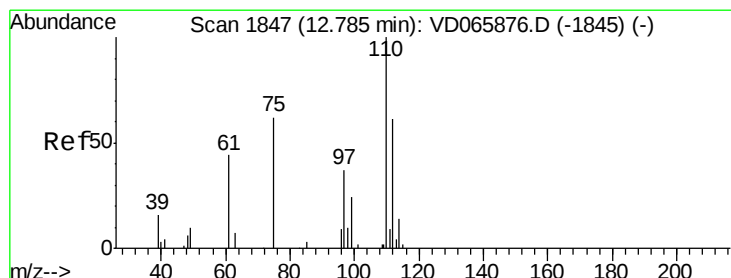
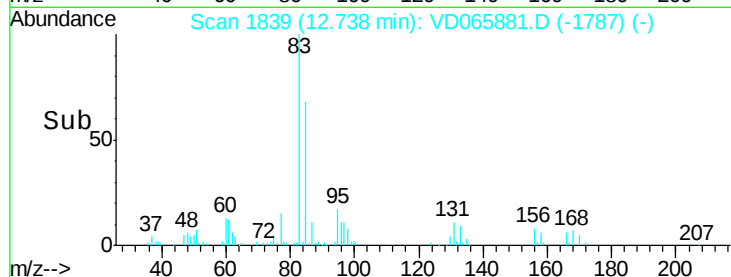
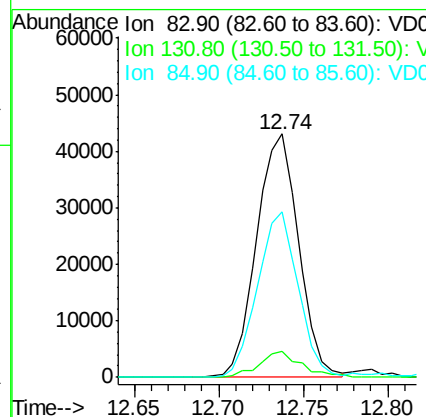
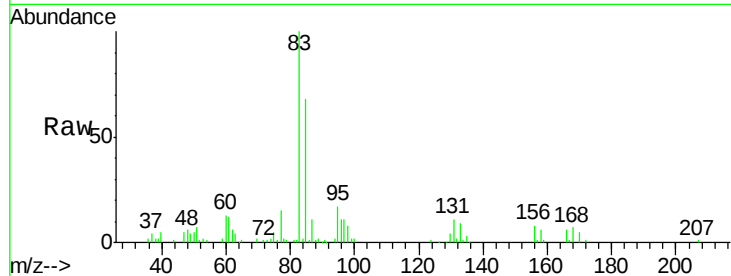




#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.209 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

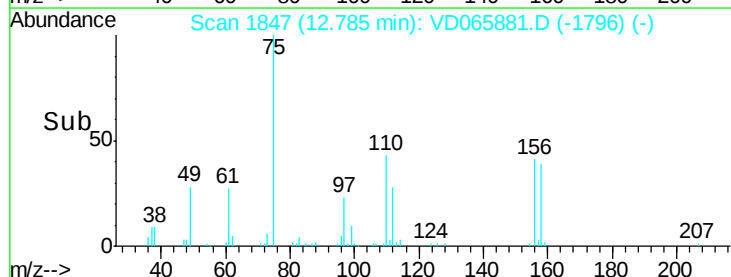
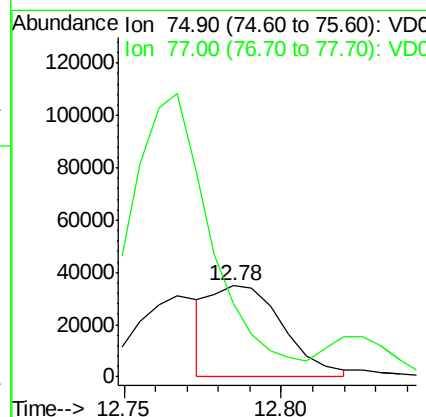
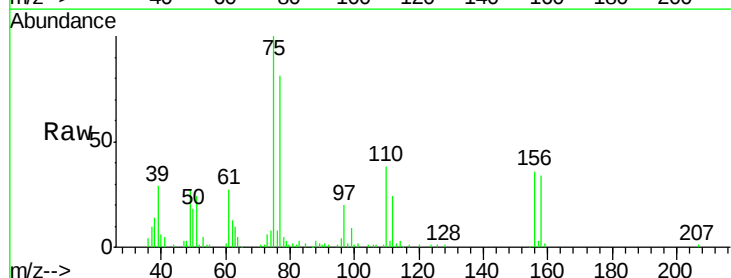
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

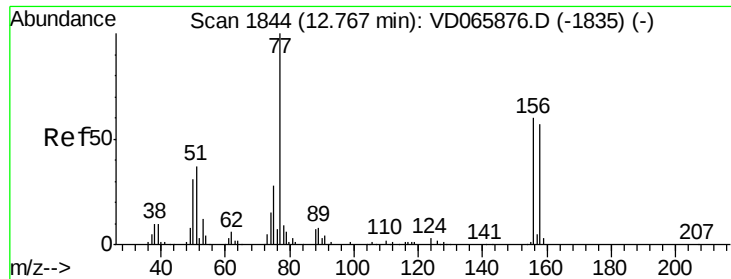
Tot Ion: 83 Resp: 74722
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.5 16.4
 85 65.7 32.3 96.9



#76
 1,2,3-Trichloropropane
 Concen: 47.705 ug/l m
 RT: 12.78 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 75 Resp: 56041
 Ion Ratio Lower Upper
 75 100
 77 353.6 168.5 505.5





#77

Bromobenzene

Concen: 47.124 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

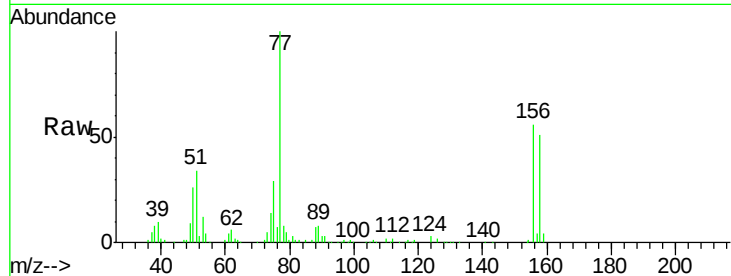
Tot Ion:156 Resp: 101876

Ion Ratio Lower Upper

156 100

77 194.5 90.5 271.5

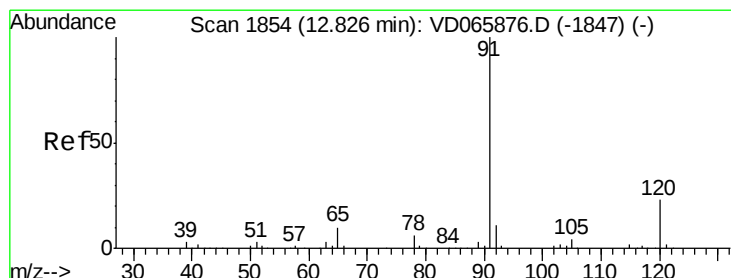
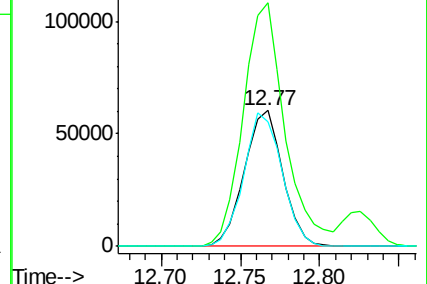
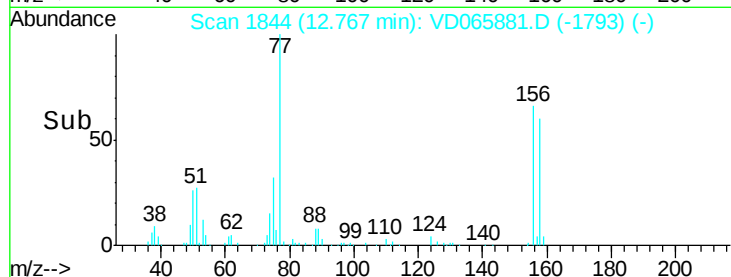
158 97.8 48.2 144.6



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: 49.649 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065881.D

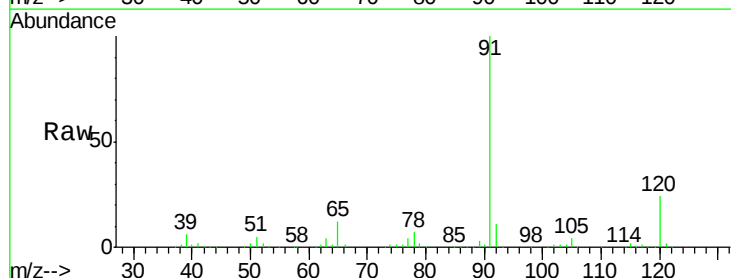
Acq: 29 Jun 2020 12:36

Tgt Ion: 91 Resp: 575155

Ion Ratio Lower Upper

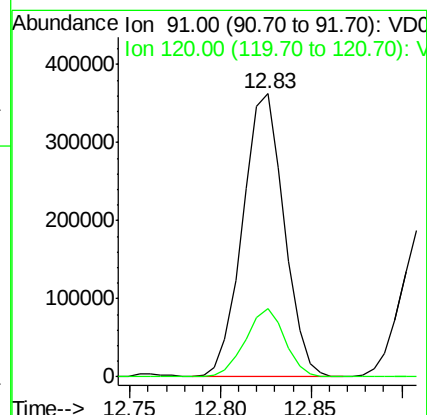
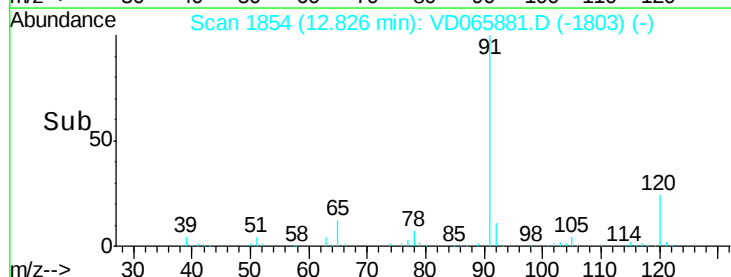
91 100

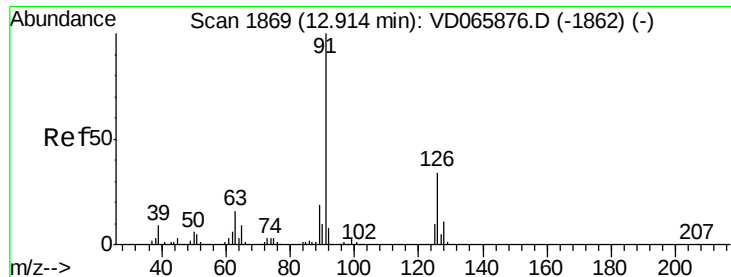
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

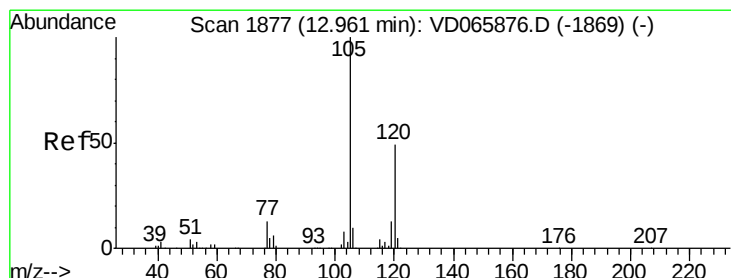
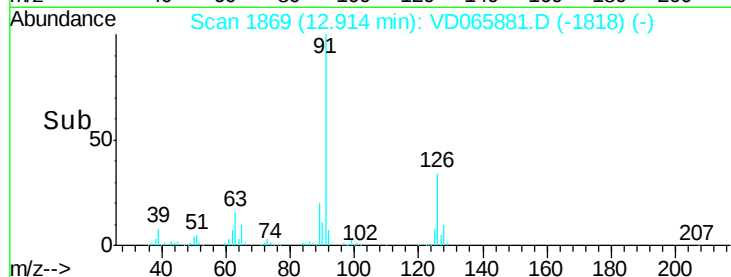
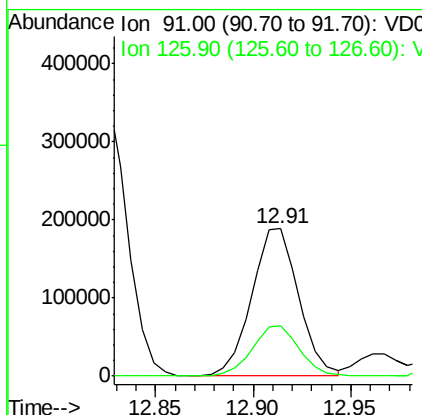
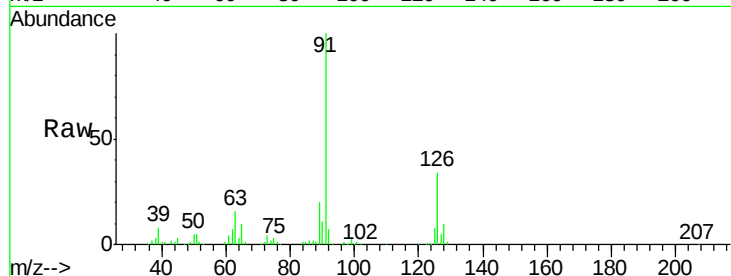




#79
 2-Chlorotoluene
 Concen: 49.360 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

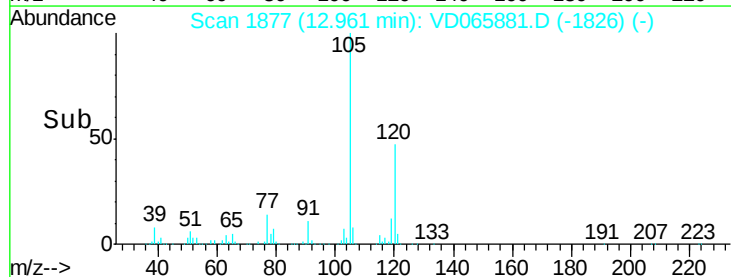
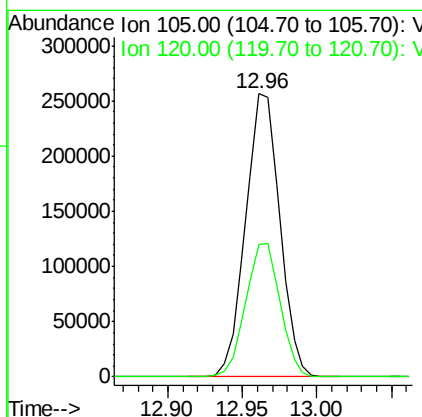
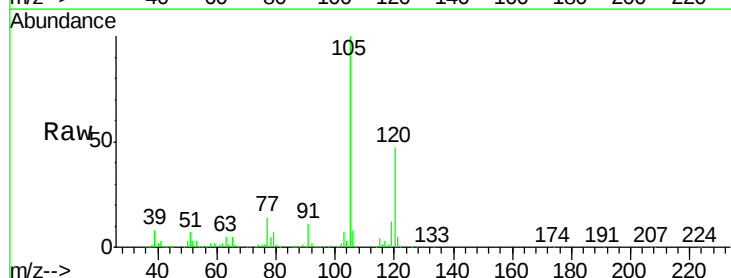
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

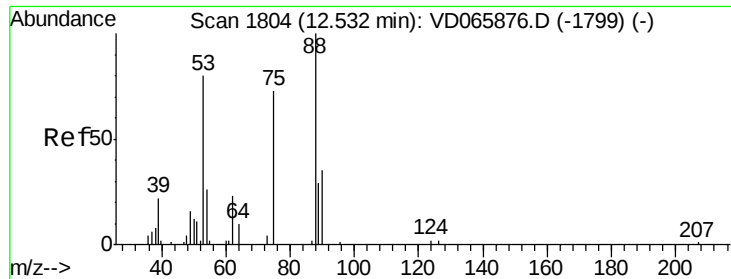
Tot Ion: 91 Resp: 314950
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.472 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 105 Resp: 405703
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.948 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

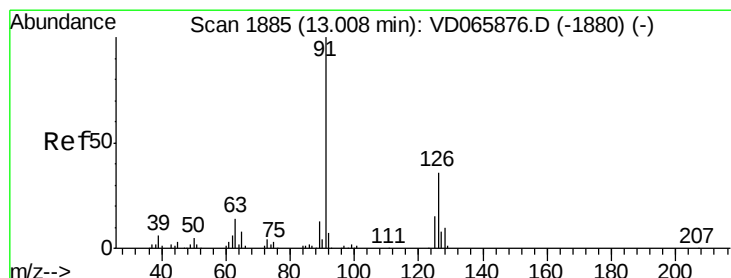
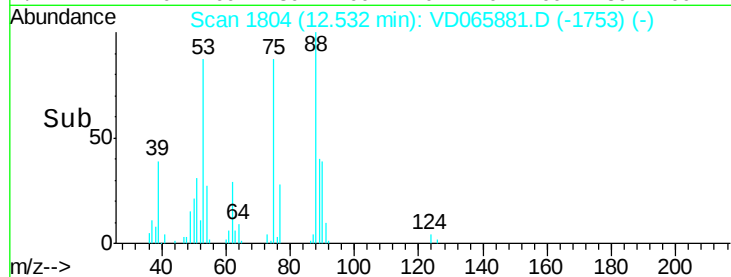
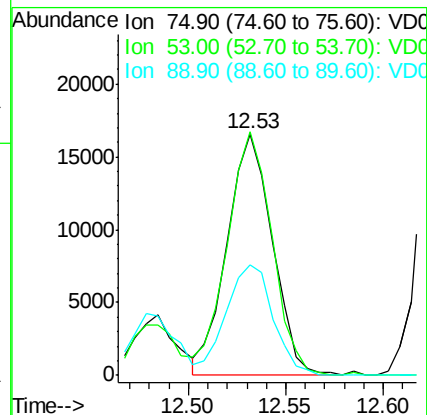
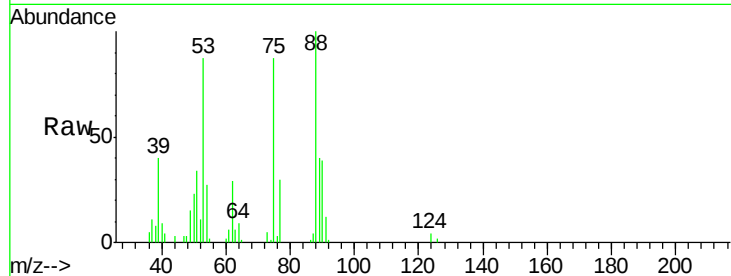
Tot Ion: 75 Resp: 26765

Ion Ratio Lower Upper

75 100

53 99.3 80.6 121.0

89 47.5 36.5 54.7



#82

4-Chlorotoluene

Concen: 50.858 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065881.D

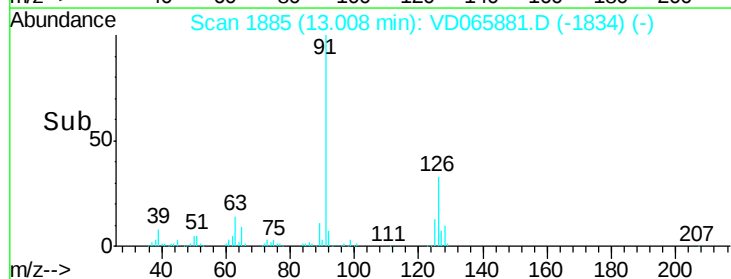
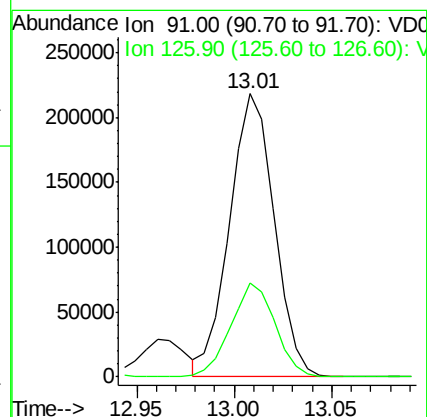
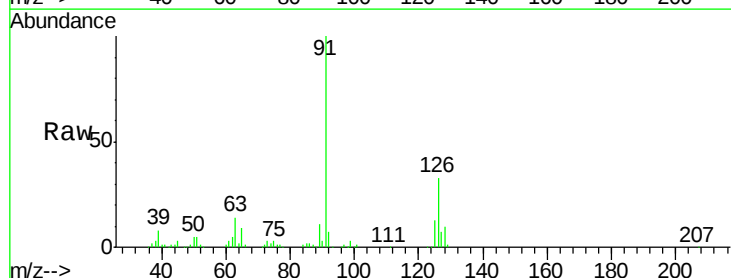
Acq: 29 Jun 2020 12:36

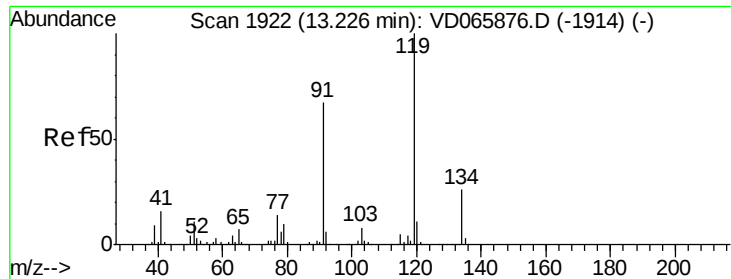
Tgt Ion: 91 Resp: 346783

Ion Ratio Lower Upper

91 100

126 33.0 16.6 49.8

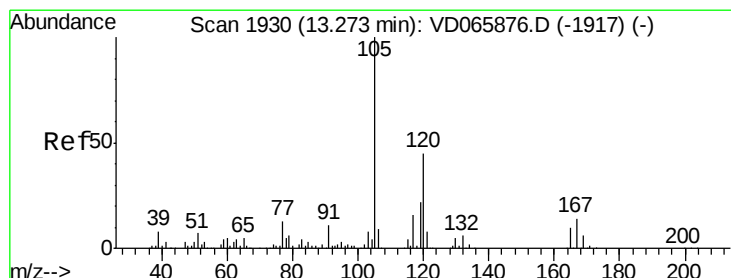
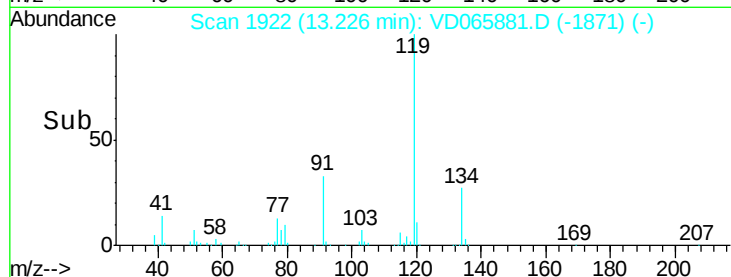
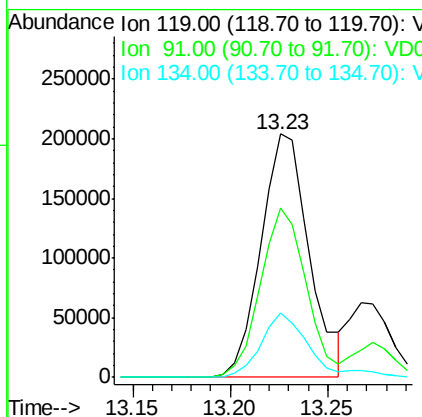
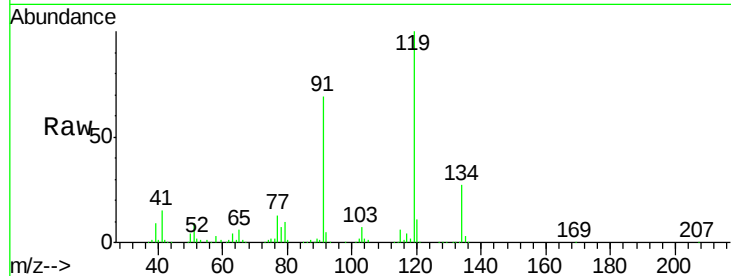




#83
tert-Butylbenzene
Concen: 51.569 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

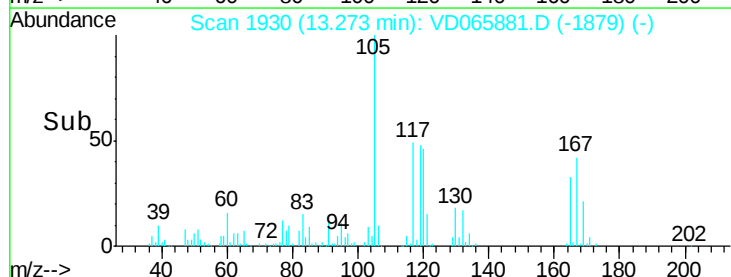
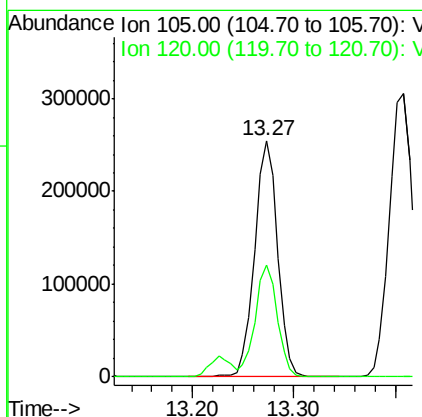
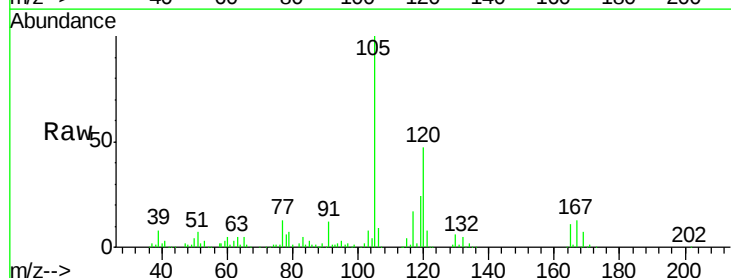
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

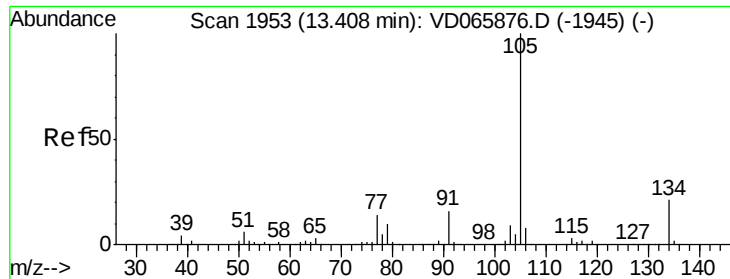
Tot Ion:119 Resp: 348846
Ion Ratio Lower Upper
119 100
91 65.8 32.2 96.6
134 26.5 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 50.971 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion:105 Resp: 403602
Ion Ratio Lower Upper
105 100
120 45.6 23.0 69.0

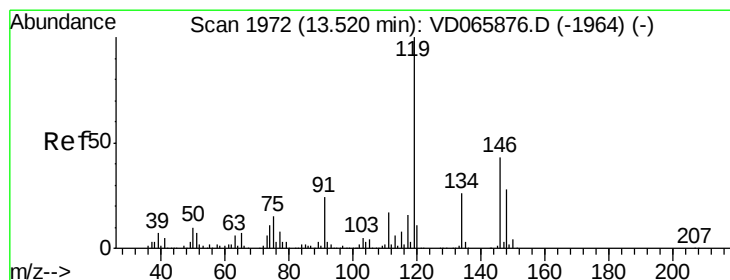
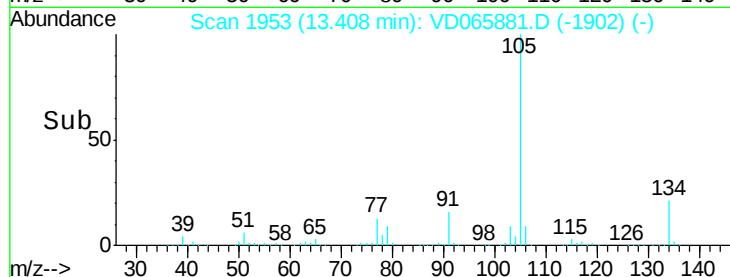
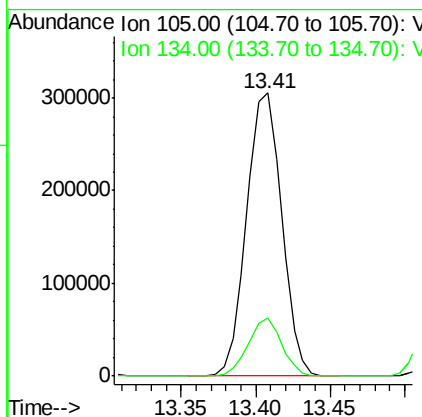
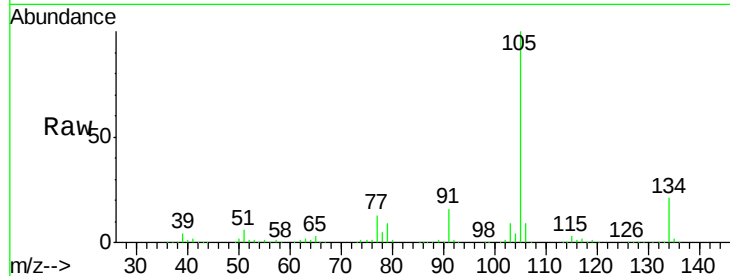




#85
 sec-Butylbenzene
 Concen: 51.577 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

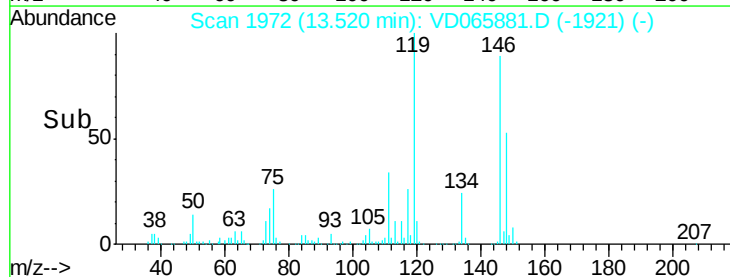
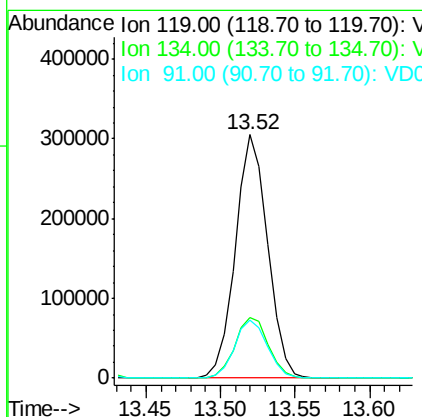
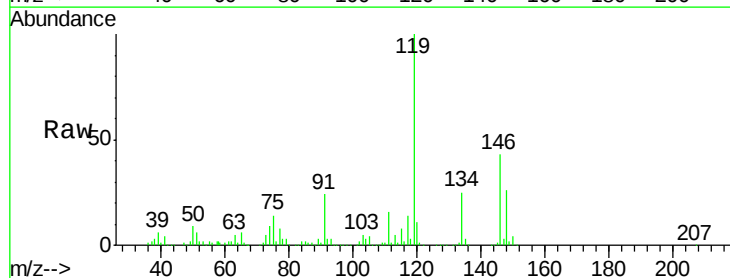
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

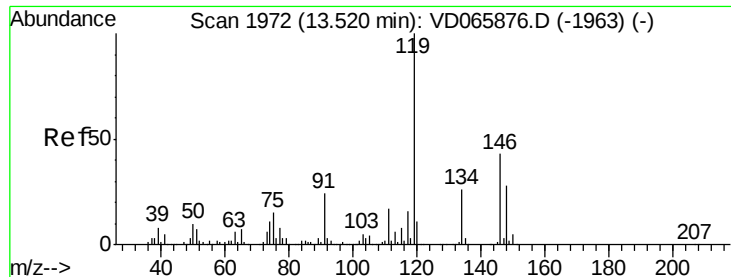
Tot Ion:105 Resp: 497208
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 52.134 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion:119 Resp: 456490
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.4 40.1
 91 24.2 12.0 36.1

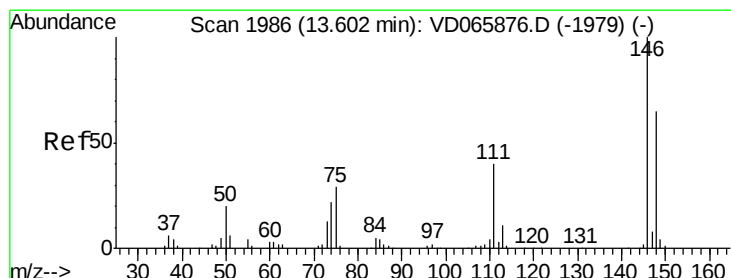
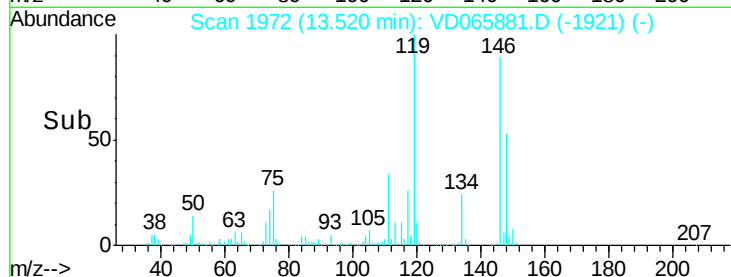
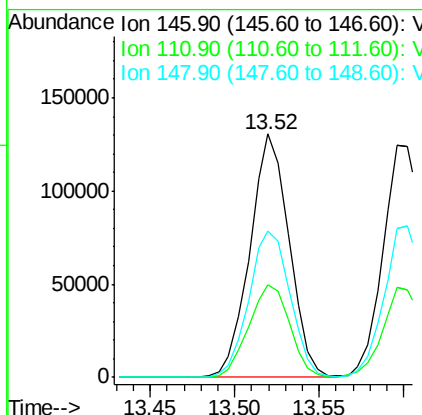
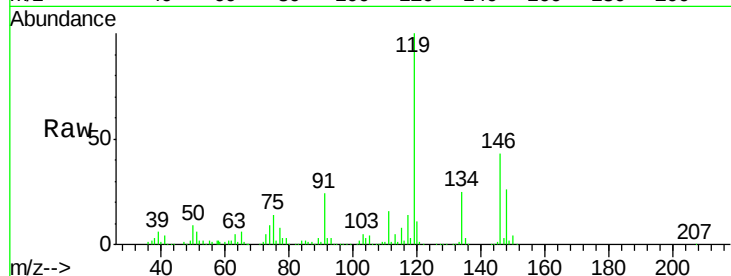




#87
 1,3-Dichlorobenzene
 Concen: 50.223 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

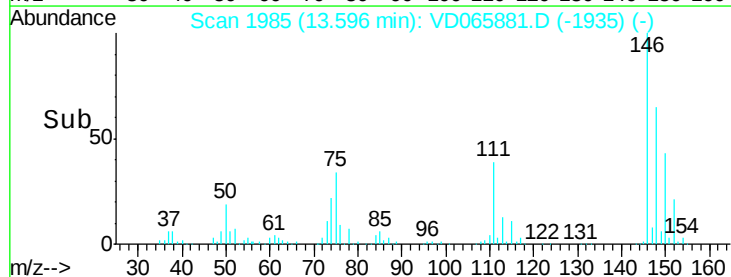
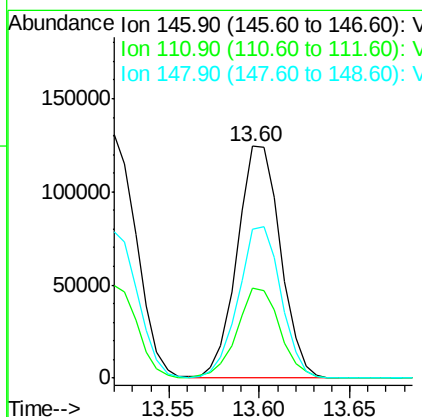
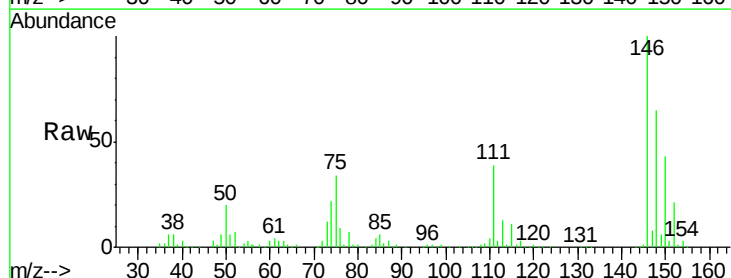
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

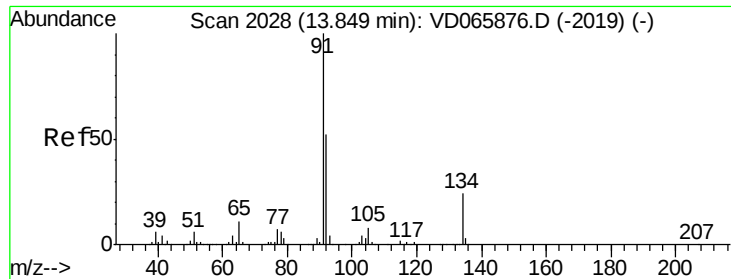
Tot Ion:146 Resp: 210947
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.4 58.4
 148 63.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.868 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion:146 Resp: 206505
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.9 59.6
 148 64.7 32.5 97.4





#89

n-Butylbenzene

Concen: 51.217 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD065881.D

Acq: 29 Jun 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

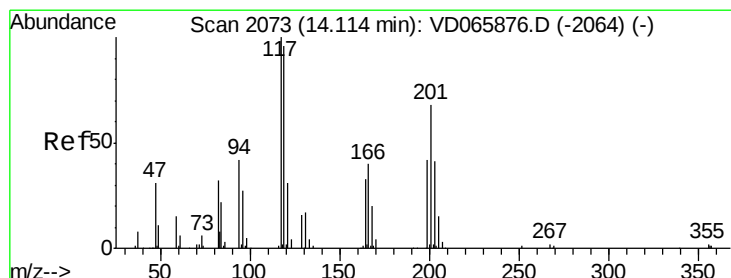
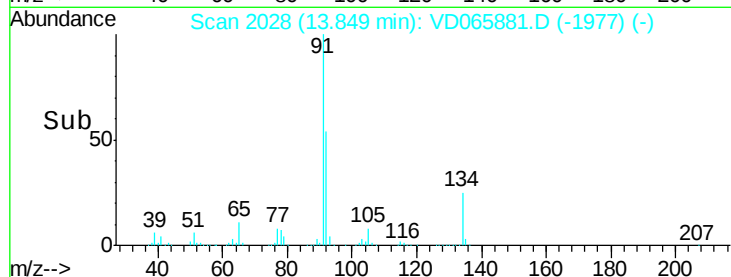
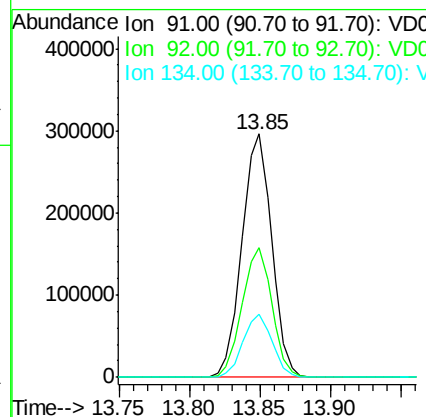
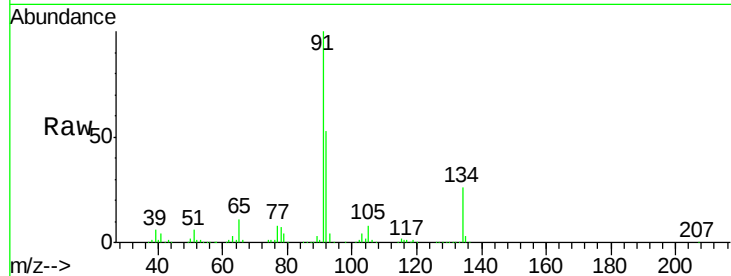
Tot Ion: 91 Resp: 437299

Ion Ratio Lower Upper

91 100

92 53.6 26.5 79.4

134 25.6 12.4 37.2



#90

Hexachloroethane

Concen: 49.200 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VD065881.D

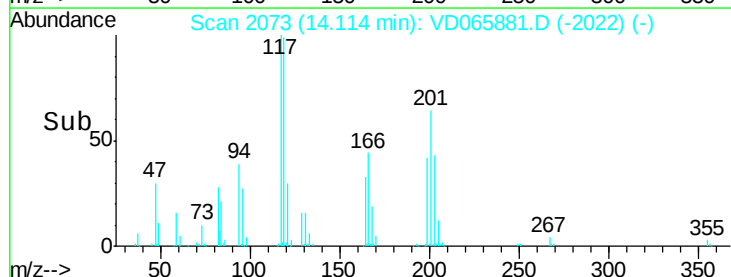
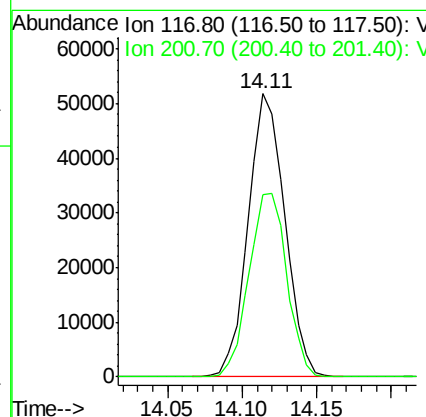
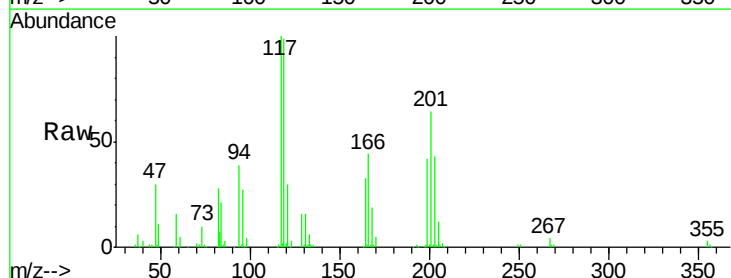
Acq: 29 Jun 2020 12:36

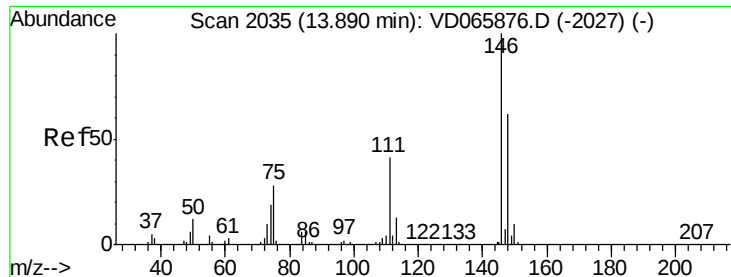
Tgt Ion: 117 Resp: 87914

Ion Ratio Lower Upper

117 100

201 66.6 35.1 105.5

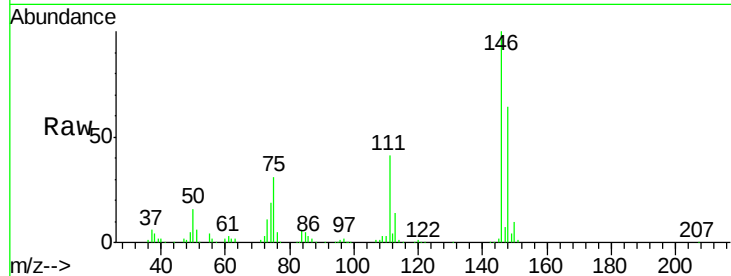




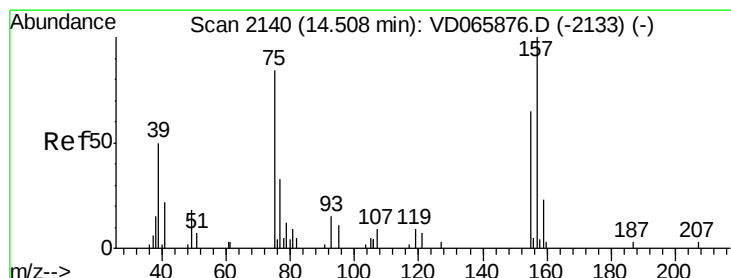
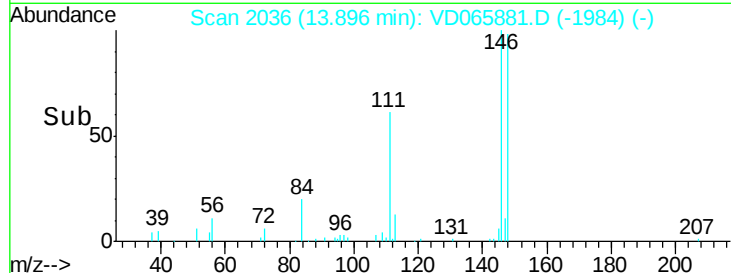
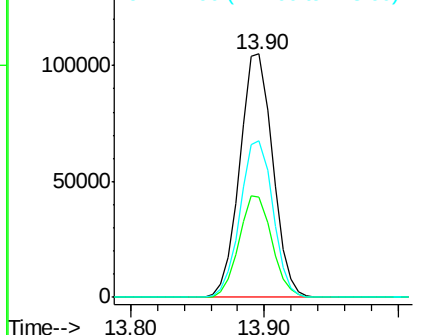
#91
 1,2-Dichlorobenzene
 Concen: 48.824 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 179656
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.8 62.4
 148 63.9 31.4 94.0

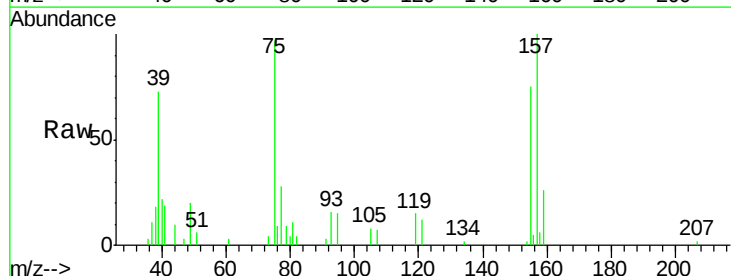


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

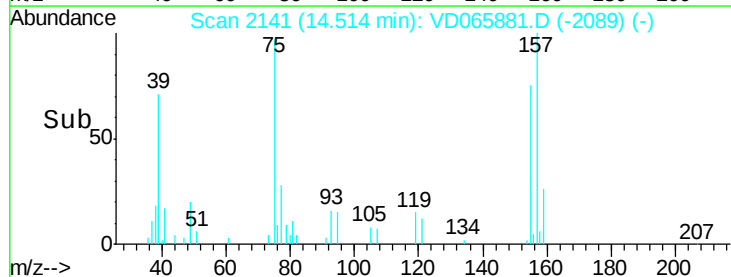
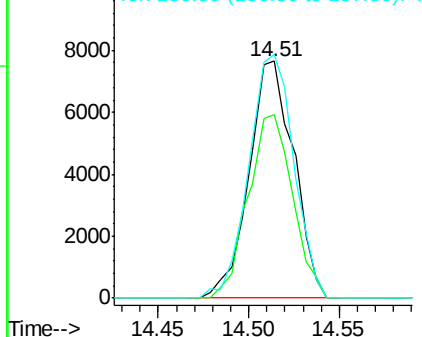


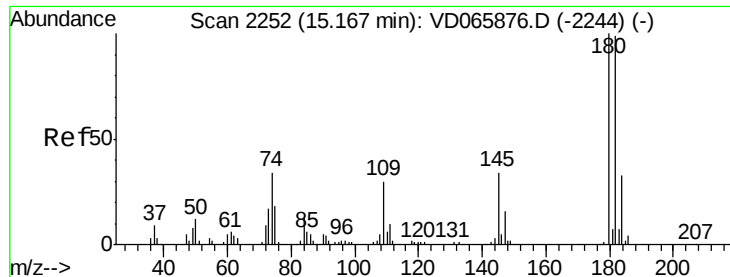
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.455 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion: 75 Resp: 13106
 Ion Ratio Lower Upper
 75 100
 155 77.3 37.8 113.3
 157 103.3 50.6 151.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

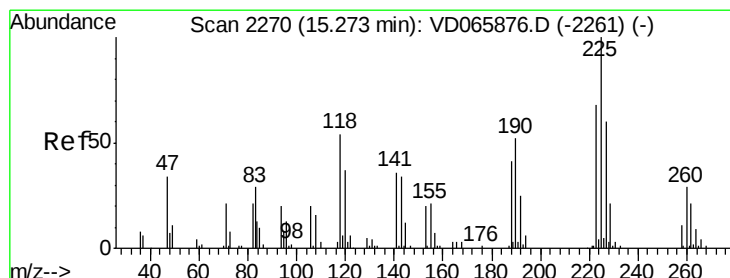
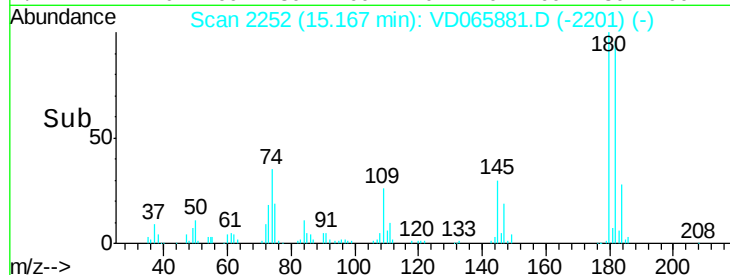
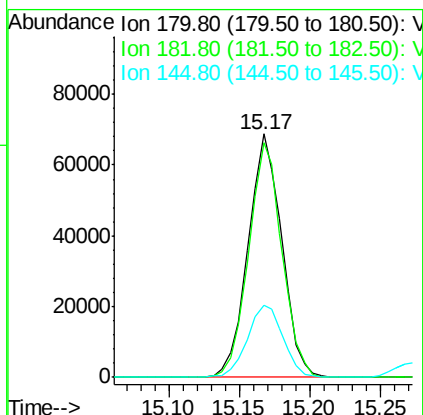
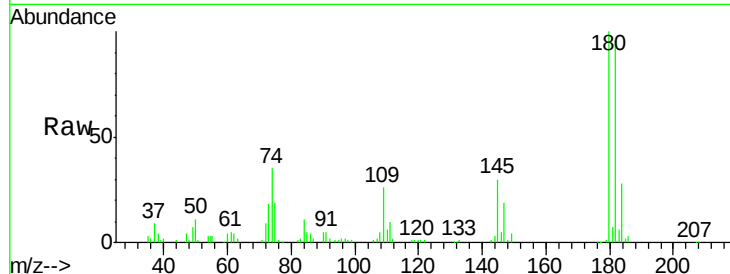




#93
 1,2,4-Trichlorobenzene
 Concen: 49.286 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

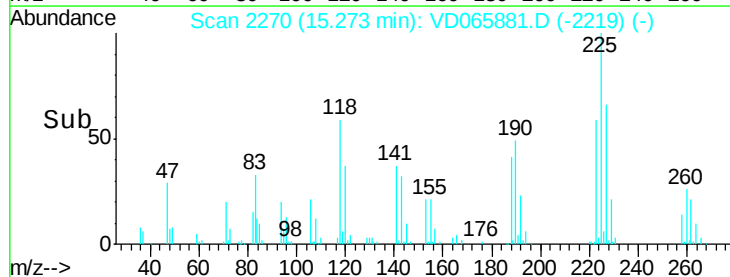
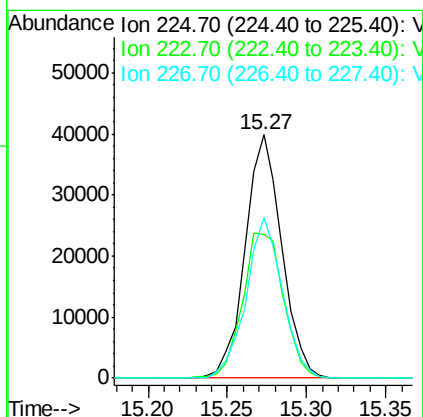
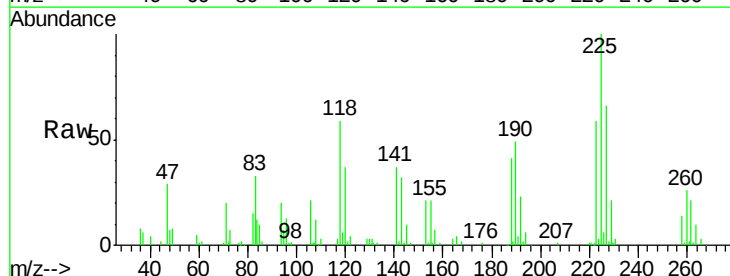
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

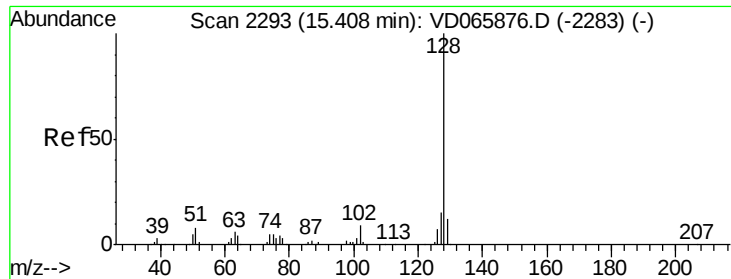
Tot Ion:180 Resp: 114971
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.7 143.1
 145 31.3 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 47.944 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065881.D
 Acq: 29 Jun 2020 12:36

Tgt Ion:225 Resp: 63792
 Ion Ratio Lower Upper
 225 100
 223 66.7 31.3 93.8
 227 65.4 30.1 90.3

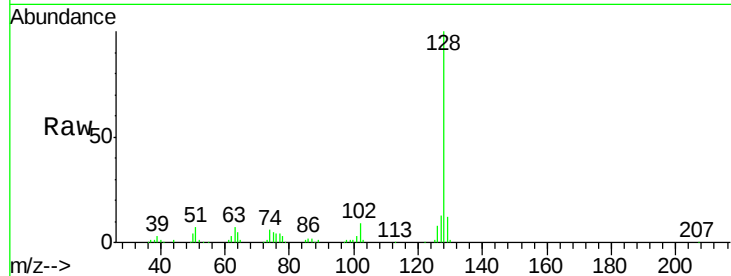




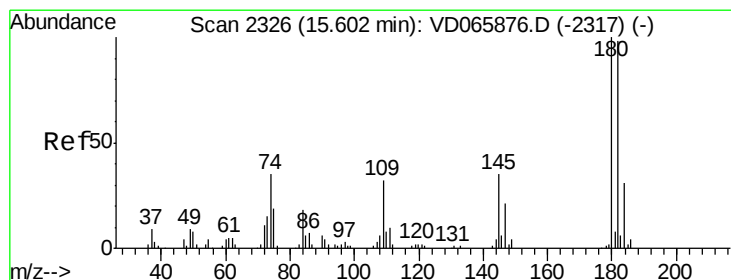
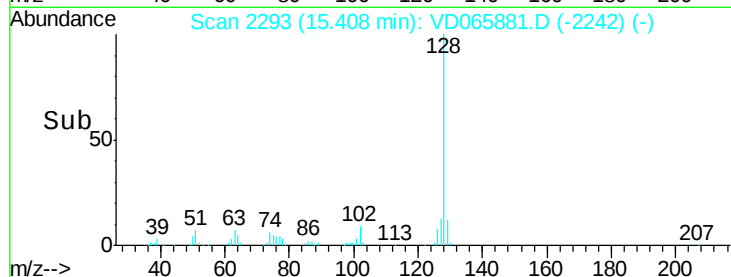
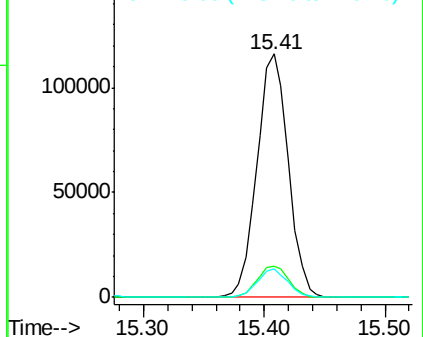
#95
Naphthalene
Concen: 50.042 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 209586
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 11.4 8.8 13.2

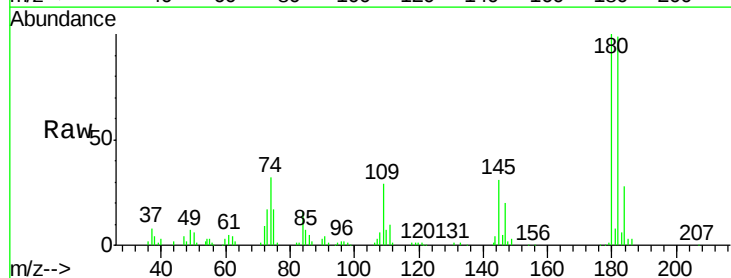


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.219 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065881.D
Acq: 29 Jun 2020 12:36

Tgt Ion:180 Resp: 97754
Ion Ratio Lower Upper
180 100
182 97.4 48.9 146.6
145 33.3 16.6 49.7



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

