

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071020\
 Data File : VD065943.D
 Acq On : 10 Jul 2020 11:30
 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: Jul 11 04:34:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	402110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	585090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	547370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	267478	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	159308	44.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.40%	
35) Dibromofluoromethane	7.91	113	173881	48.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.36%	
50) Toluene-d8	10.34	98	629293	47.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.63	95	220339	48.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	148181	41.452	ug/l	96
3) Chloromethane	2.20	50	141346	39.886	ug/l	99
4) Vinyl Chloride	2.35	62	137492	42.255	ug/l	98
5) Bromomethane	2.77	94	87768	42.583	ug/l	91
6) Chloroethane	2.92	64	83356	42.855	ug/l	91
7) Trichlorofluoromethane	3.27	101	319409	45.801	ug/l	96
8) Diethyl Ether	3.71	74	90768	47.443	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	192727	46.202	ug/l	97
10) Methyl Iodide	4.30	142	210787	48.077	ug/l	99
11) Tert butyl alcohol	5.21	59	55051	245.534	ug/l #	84
12) 1,1-Dichloroethene	4.07	96	182188	46.751	ug/l	97
13) Acrolein	3.92	56	53787	307.452	ug/l	99
14) Allyl chloride	4.71	41	303137	45.901	ug/l	99
15) Acrylonitrile	5.41	53	213086	254.382	ug/l	98
16) Acetone	4.15	43	249024	298.174	ug/l	95
17) Carbon Disulfide	4.40	76	556864	44.847	ug/l	98
18) Methyl Acetate	4.71	43	94640	48.343	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	417139	50.560	ug/l	96
20) Methylene Chloride	4.96	84	209137	44.511	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	203492	46.411	ug/l	98
22) Diisopropyl ether	6.36	45	590331	47.566	ug/l	98
23) Vinyl Acetate	6.30	43	1763005	248.870	ug/l	98
24) 1,1-Dichloroethane	6.26	63	348905	47.146	ug/l	99
25) 2-Butanone	7.21	43	287983	260.952	ug/l	94
26) 2,2-Dichloropropane	7.20	77	312716	48.303	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	223692	47.483	ug/l	99
28) Bromochloromethane	7.54	49	126138	45.120	ug/l	97
29) Tetrahydrofuran	7.56	42	173724	247.558	ug/l	99
30) Chloroform	7.71	83	355028	47.322	ug/l	98
31) Cyclohexane	7.98	56	329612	45.268	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	328424	47.969	ug/l	100
36) 1,1-Dichloropropene	8.11	75	286773	49.627	ug/l	99
37) Ethyl Acetate	7.28	43	122418	50.560	ug/l	98
38) Carbon Tetrachloride	8.09	117	304040	49.088	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	352449	49.679	ug/l	99
40) Benzene	8.35	78	784325	49.130	ug/l	98
41) Methacrylonitrile	7.53	41	69635m	49.536	ug/l	
42) 1,2-Dichloroethane	8.43	62	221152	48.900	ug/l	99
43) Isopropyl Acetate	8.45	43	233869	51.892	ug/l	98
44) Trichloroethene	9.11	130	233634	49.809	ug/l	98
45) 1,2-Dichloropropane	9.38	63	197679	49.890	ug/l	98
46) Dibromomethane	9.47	93	105602	51.192	ug/l	96
47) Bromodichloromethane	9.66	83	275533	49.794	ug/l	99
48) Methyl methacrylate	9.46	41	118355	52.166	ug/l	97
49) 1,4-Dioxane	9.46	88	26244	1070.715	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	600312	263.469	ug/l	100
52) Toluene	10.40	92	523292	51.524	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	271542	52.190	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	316588	50.356	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	148430	52.224	ug/l	98
56) Ethyl methacrylate	10.66	69	185784	53.518	ug/l	98
57) 1,3-Dichloropropane	10.95	76	253707	51.043	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	406265	241.651	ug/l	97
59) 2-Hexanone	10.98	43	439664	280.576	ug/l	99
60) Dibromochloromethane	11.14	129	198235	51.050	ug/l	99
61) 1,2-Dibromoethane	11.25	107	144816	51.104	ug/l	97
64) Tetrachloroethene	10.87	164	199474	50.111	ug/l	97
65) Chlorobenzene	11.67	112	544456	49.359	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	204735	49.624	ug/l	99
67) Ethyl Benzene	11.74	91	972536	49.629	ug/l	100
68) m/p-Xylenes	11.86	106	749527	100.674	ug/l	99
69) o-Xylene	12.18	106	343287	50.617	ug/l	99
70) Styrene	12.20	104	599909	51.241	ug/l	99
71) Bromoform	12.36	173	117875	50.492	ug/l #	97
73) Isopropylbenzene	12.48	105	952963	51.049	ug/l	99
74) N-amyl acetate	12.29	43	218004	52.043	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	158016	50.987	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	106141m	47.304	ug/l	
77) Bromobenzene	12.76	156	230307	50.867	ug/l	100
78) n-propylbenzene	12.82	91	1106047	50.537	ug/l	100
79) 2-Chlorotoluene	12.91	91	621496	50.056	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	776095	50.829	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	56997	54.582	ug/l	95
82) 4-Chlorotoluene	13.01	91	643524	49.401	ug/l	98
83) tert-Butylbenzene	13.23	119	678252	52.139	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	771129	50.736	ug/l	99
85) sec-Butylbenzene	13.40	105	937876	50.873	ug/l	100
86) p-Isopropyltoluene	13.52	119	871232	51.668	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	427900	50.506	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	424055	50.170	ug/l	99
89) n-Butylbenzene	13.84	91	810143	51.163	ug/l	100
90) Hexachloroethane	14.11	117	169757	49.924	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	375972	50.773	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26263	50.679	ug/l	93

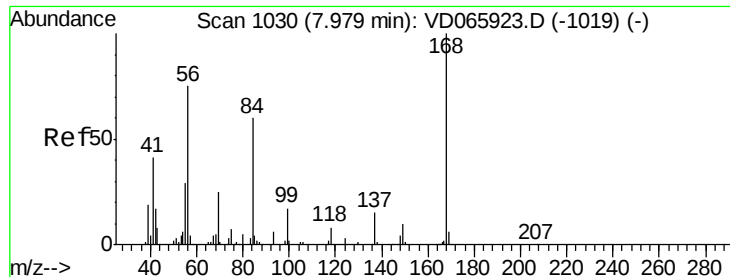
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071020\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	282110	53.455	ug/l	98
94) Hexachlorobutadiene	15.27	225	168440	52.764	ug/l	99
95) Naphthalene	15.40	128	476103	53.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	242124	53.189	ug/l	99

(#) = 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: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

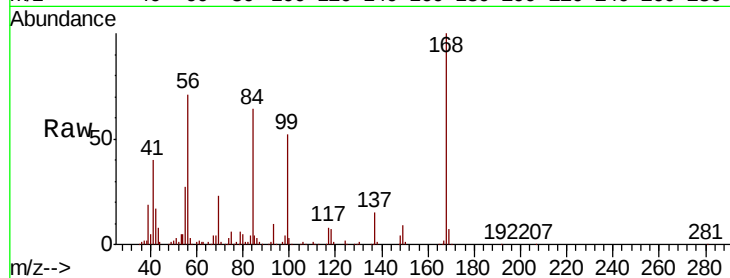
VSTDCCC050

Tot Ion:168 Resp: 402110

Ion Ratio Lower Upper

168 100

99 51.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

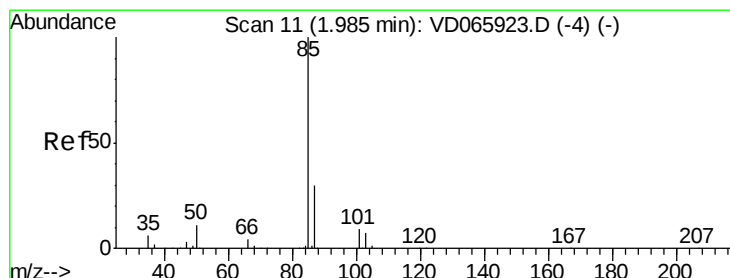
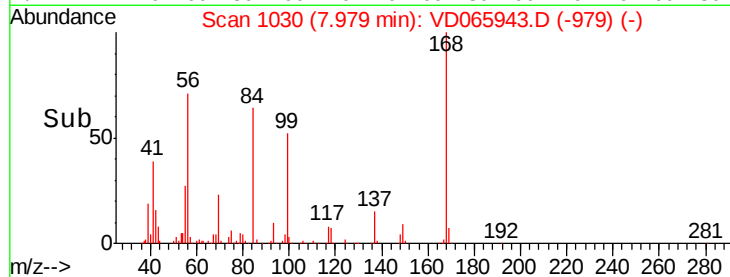
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 41.452 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065943.D

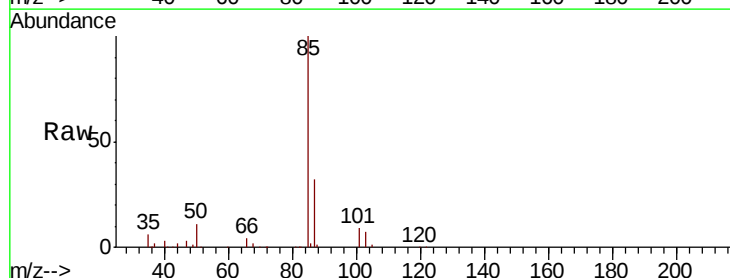
Acq: 10 Jul 2020 11:30

Tgt Ion: 85 Resp: 148181

Ion Ratio Lower Upper

85 100

87 32.0 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

40000

20000

0

1.90

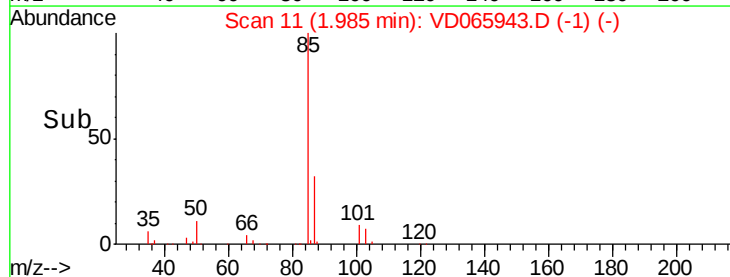
1.95

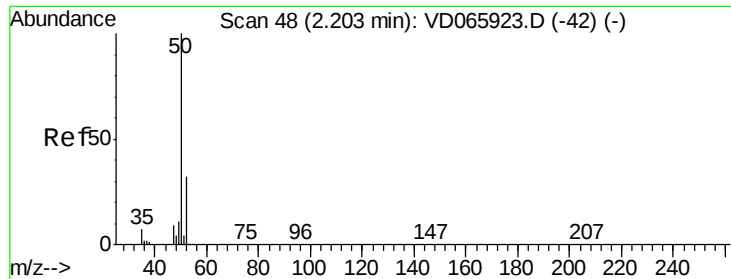
2.00

2.05

2.10

Time-->

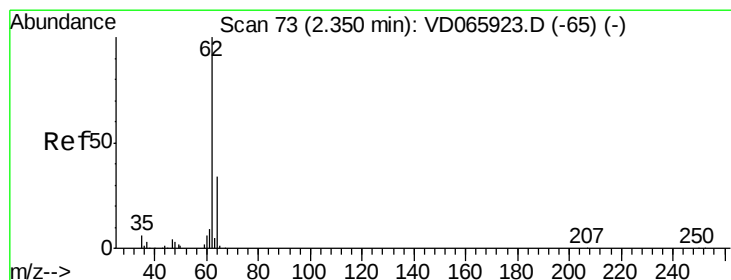
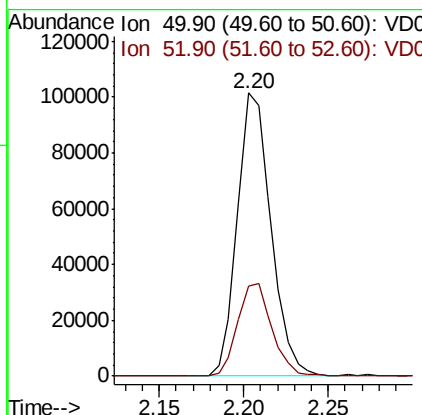
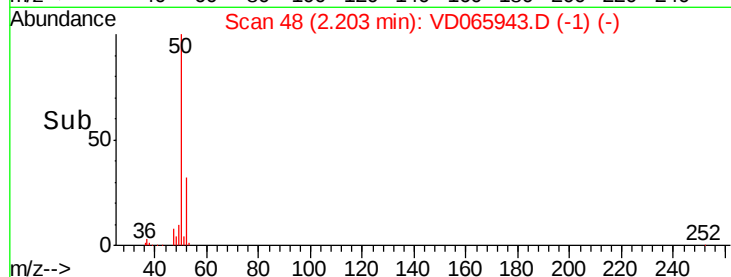
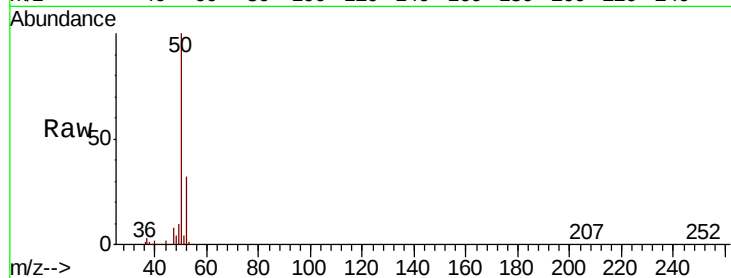




#3
Chloromethane
Concen: 39.886 ug/l
RT: 2.20 min Scan# 48
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

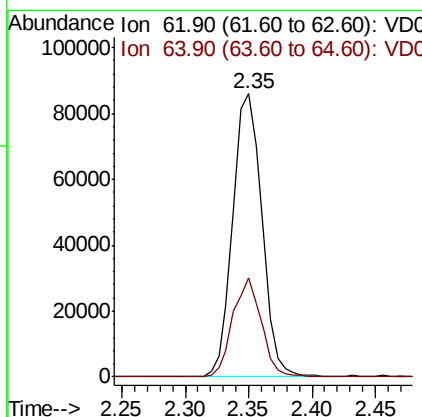
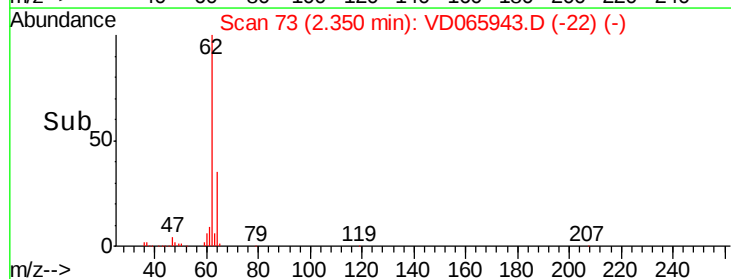
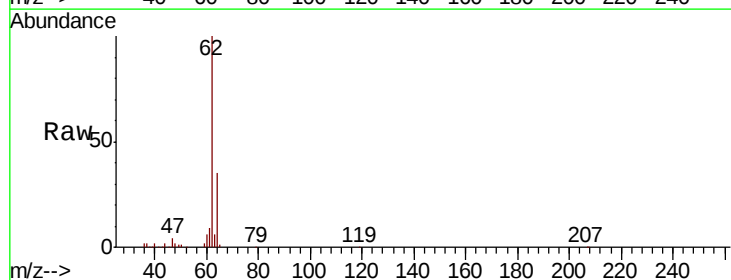
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

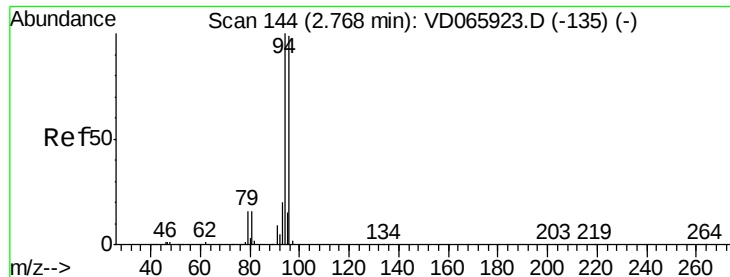
Tot Ion: 50 Resp: 141346
Ion Ratio Lower Upper
50 100
52 31.7 25.6 38.4



#4
Vinyl Chloride
Concen: 42.255 ug/l
RT: 2.35 min Scan# 73
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion: 62 Resp: 137492
Ion Ratio Lower Upper
62 100
64 35.1 27.2 40.8





#5

Bromomethane

Concen: 42.583 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

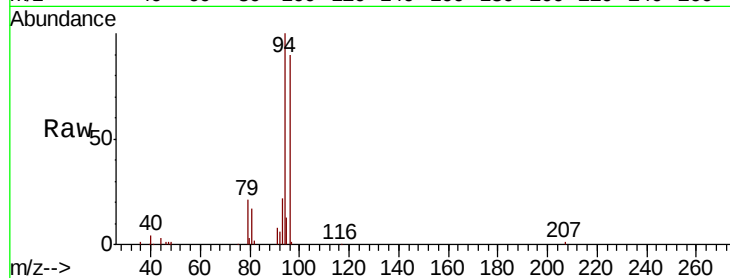
VSTDCCC050

Tot Ion: 94 Resp: 87768

Ion Ratio Lower Upper

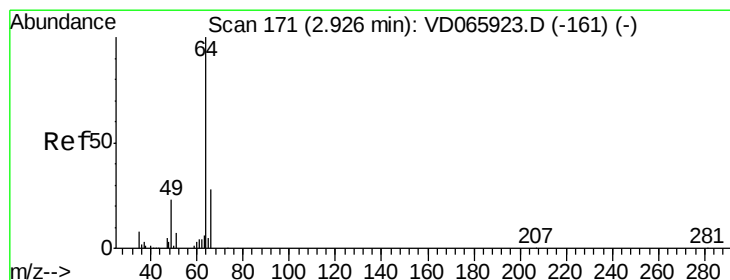
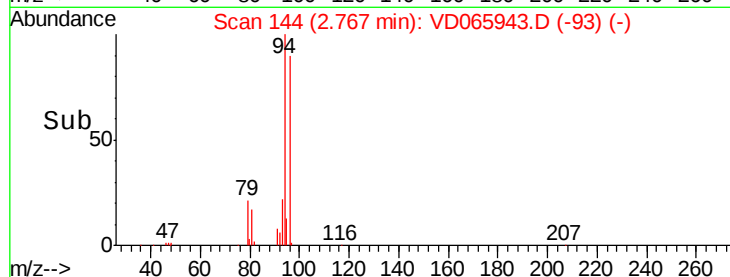
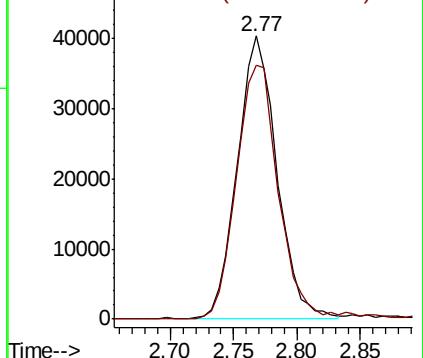
94 100

96 89.7 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 42.855 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065943.D

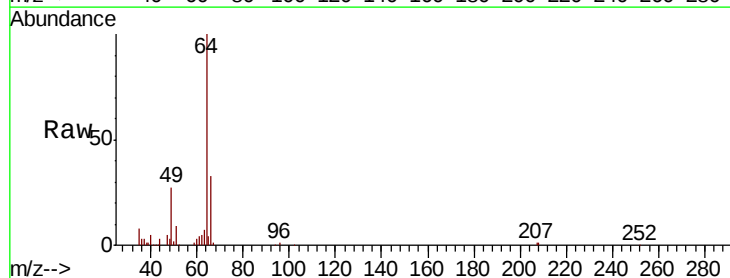
Acq: 10 Jul 2020 11:30

Tgt Ion: 64 Resp: 83356

Ion Ratio Lower Upper

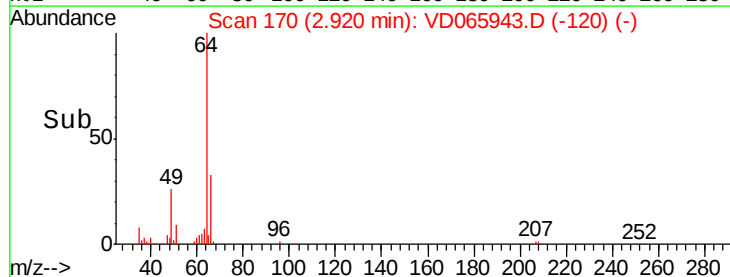
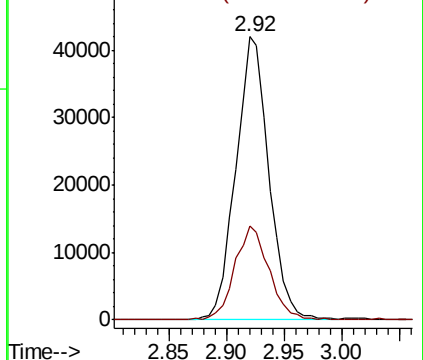
64 100

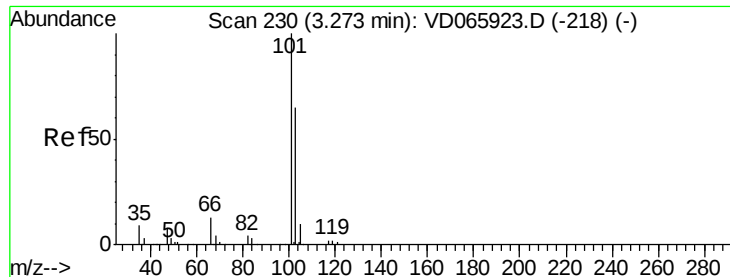
66 33.1 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



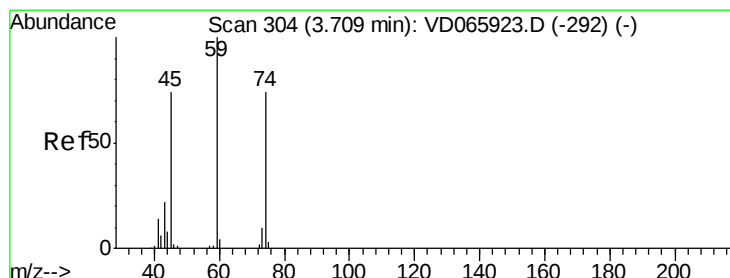
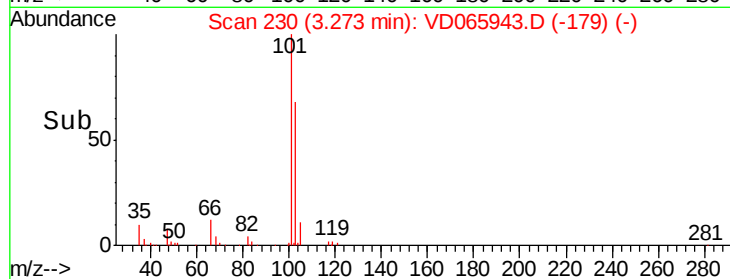
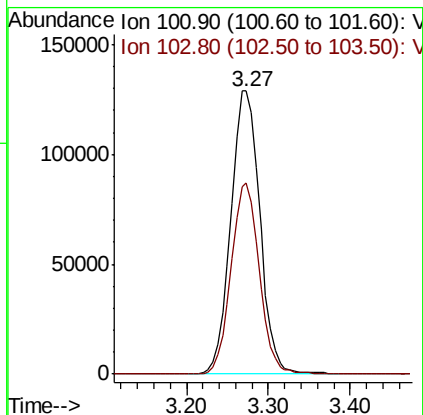
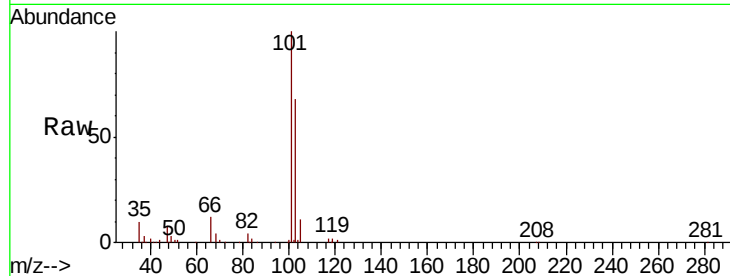


#7

Trichlorofluoromethane
 Concen: 45.801 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

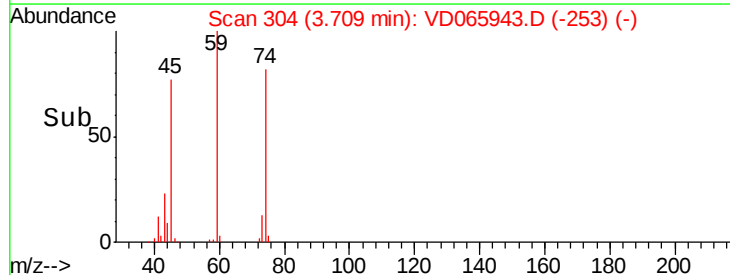
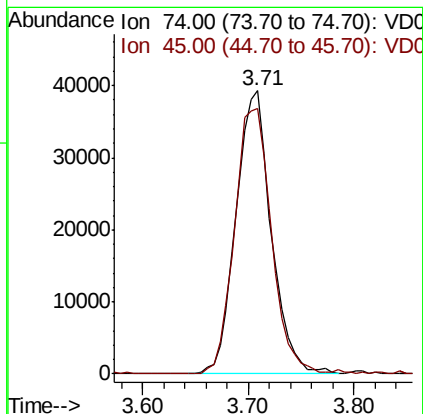
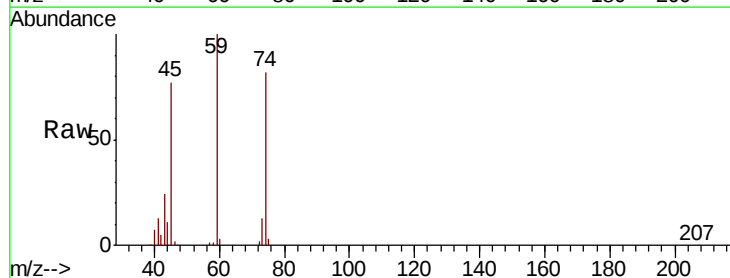
Tot Ion:101 Resp: 319409
 Ion Ratio Lower Upper
 101 100
 103 67.8 51.7 77.5

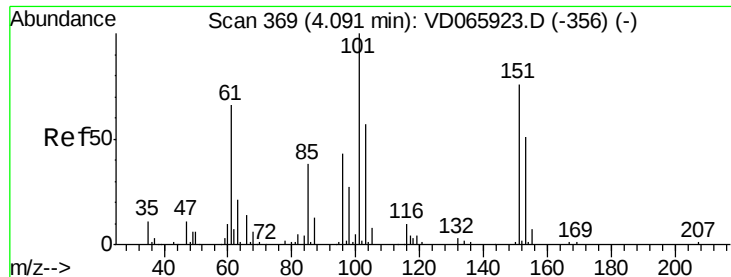


#8

Diethyl Ether
 Concen: 47.443 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Tgt Ion: 74 Resp: 90768
 Ion Ratio Lower Upper
 74 100
 45 98.5 51.1 153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.202 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

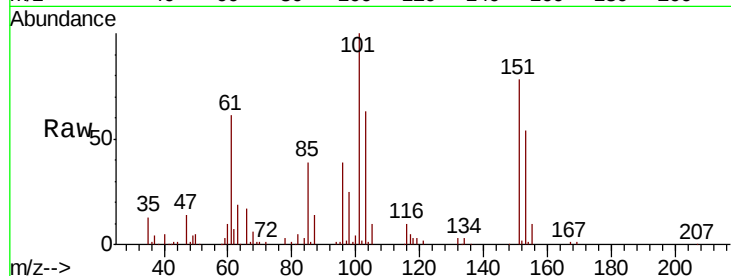
Tot Ion:101 Resp: 192727

Ion Ratio Lower Upper

101 100

85 43.2 33.8 50.8

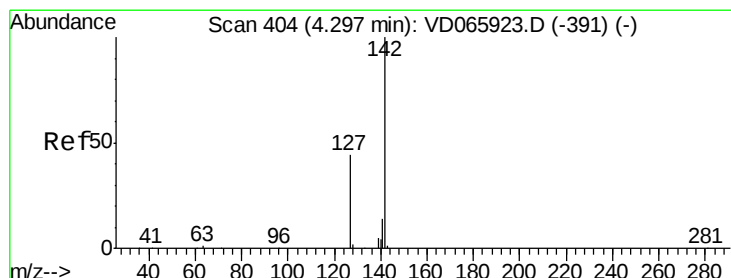
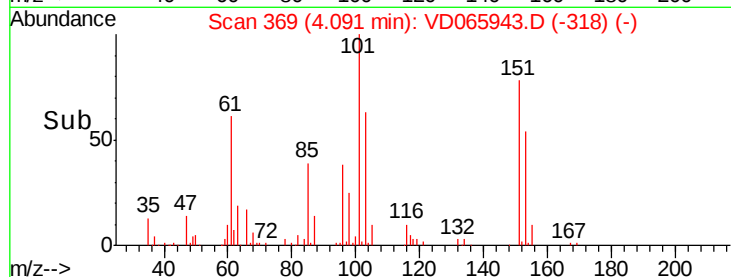
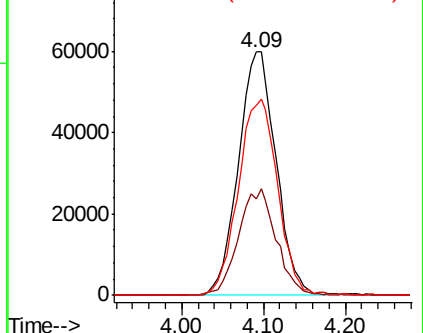
151 83.5 64.1 96.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.077 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

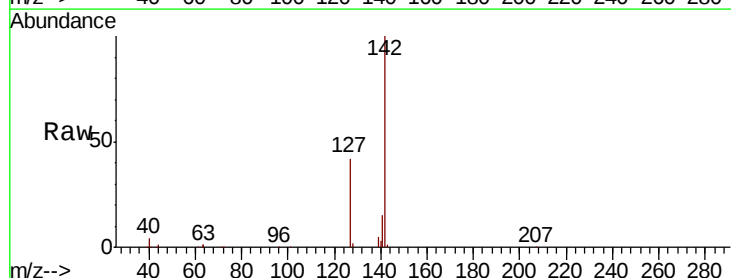
Tgt Ion:142 Resp: 210787

Ion Ratio Lower Upper

142 100

127 42.8 34.6 51.8

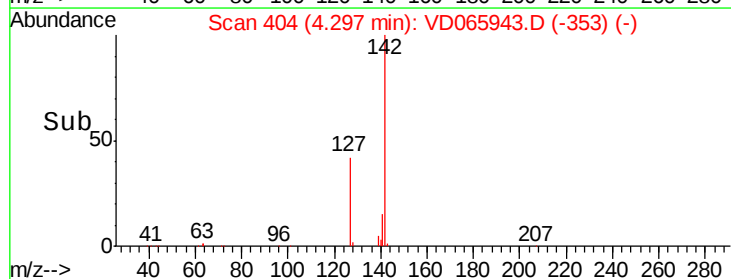
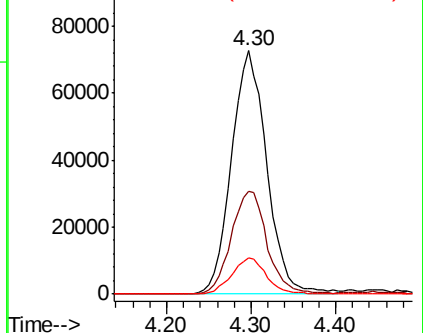
141 14.5 11.6 17.4

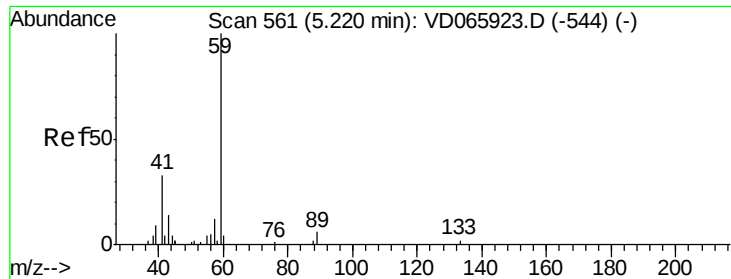


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



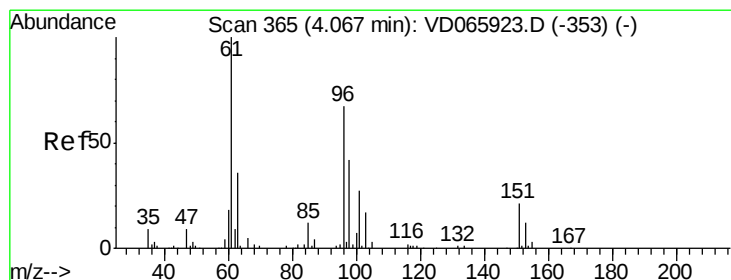
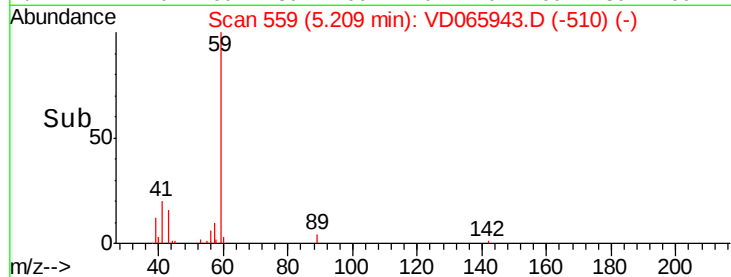
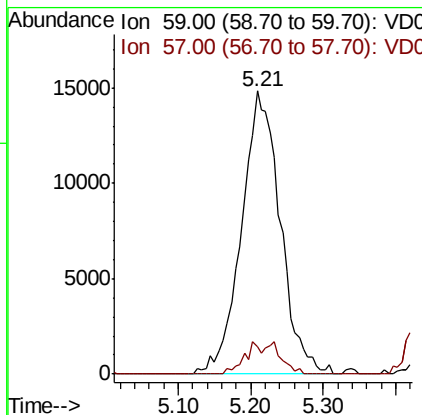
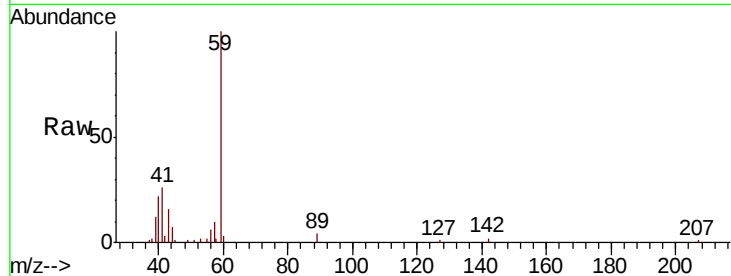


#11

Tert butyl alcohol
 Concen: 245.534 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

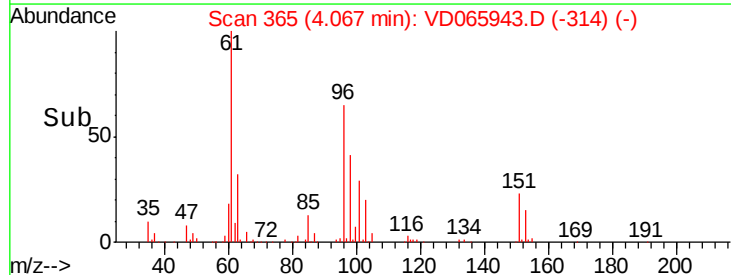
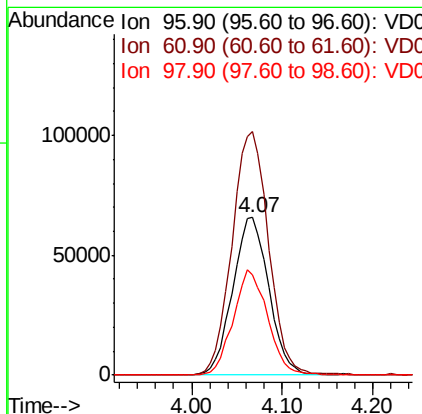
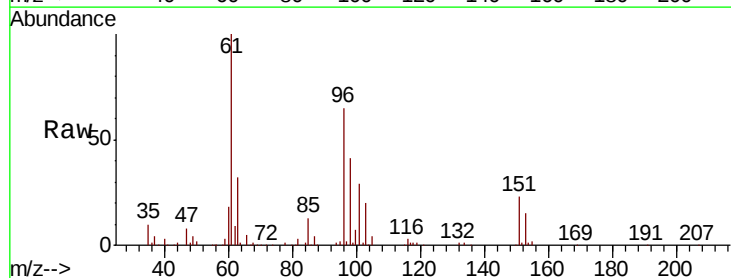
Tot Ion: 59 Resp: 55051
 Ion Ratio Lower Upper
 59 100
 57 4.9 8.7 13.1#

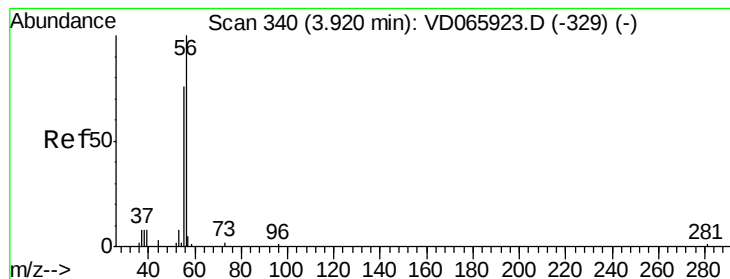


#12

1,1-Dichloroethene
 Concen: 46.751 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Tgt Ion: 96 Resp: 182188
 Ion Ratio Lower Upper
 96 100
 61 154.8 120.2 180.2
 98 63.9 50.6 76.0





#13

Acrolein

Concen: 307.452 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

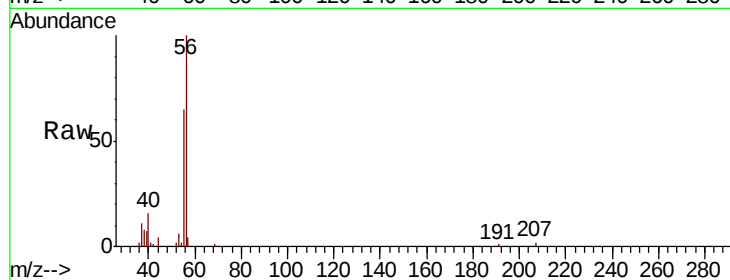
VSTDCCC050

Tot Ion: 56 Resp: 53787

Ion Ratio Lower Upper

56 100

55 69.8 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

5000

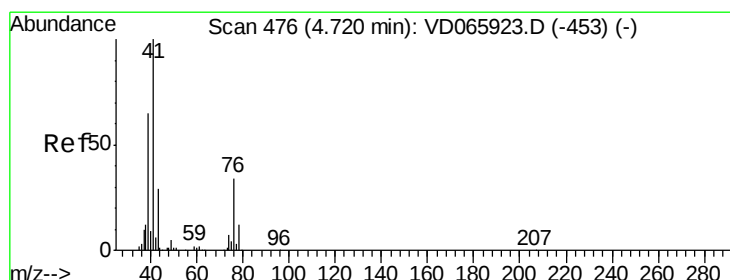
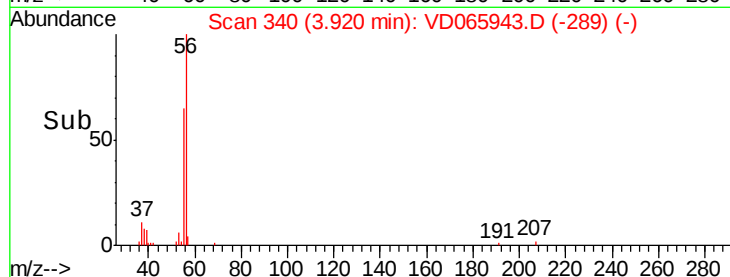
0

3.80

3.90

4.00

Time-->



#14

Allyl chloride

Concen: 45.901 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

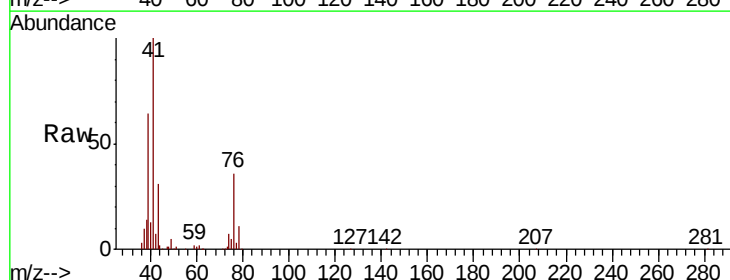
Tgt Ion: 41 Resp: 303137

Ion Ratio Lower Upper

41 100

39 66.5 52.2 78.4

76 36.0 28.1 42.1



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

120000

100000

80000

60000

40000

20000

0

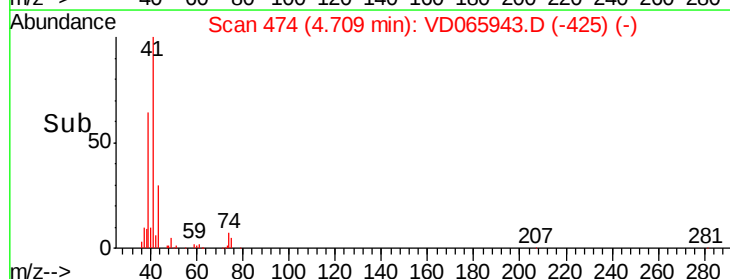
4.50

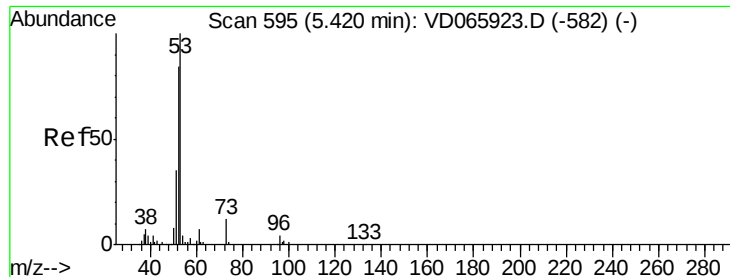
4.60

4.70

4.80

Time-->





#15

Acrylonitrile

Concen: 254.382 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

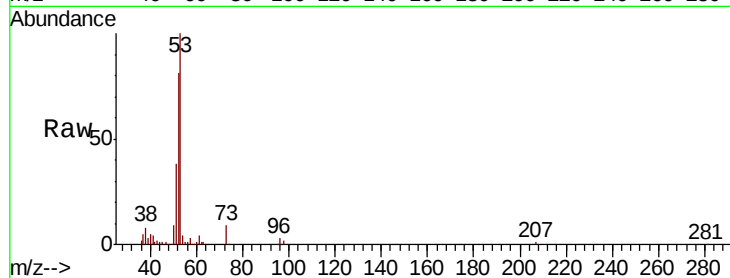
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 213086

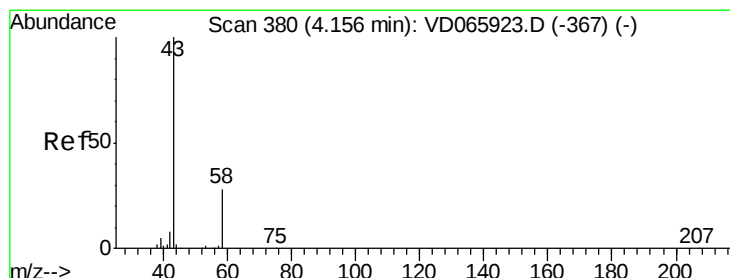
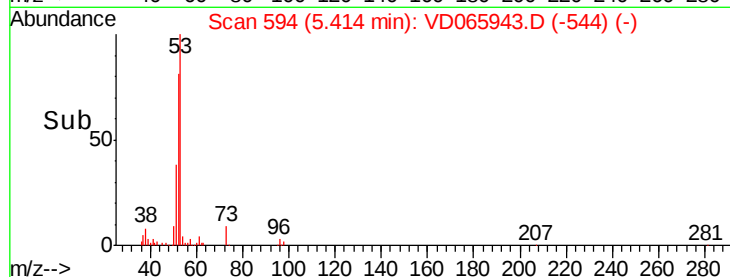
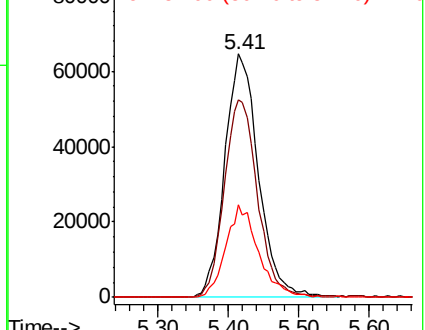
Ion	Ratio	Lower	Upper
53	100		
52	80.2	66.3	99.5
51	36.8	29.8	44.8



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: 298.174 ug/l

RT: 4.15 min Scan# 379

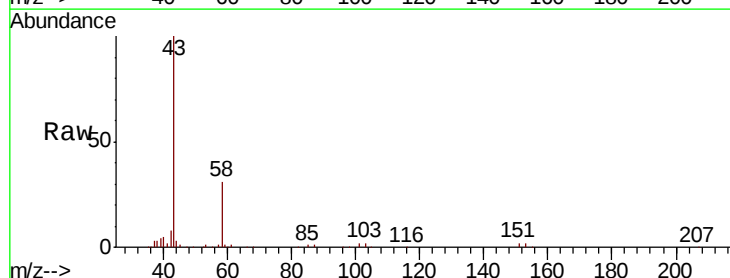
Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

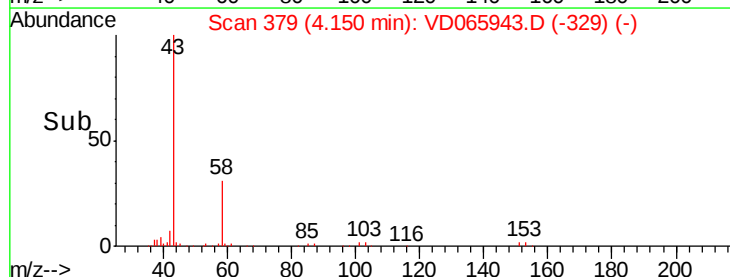
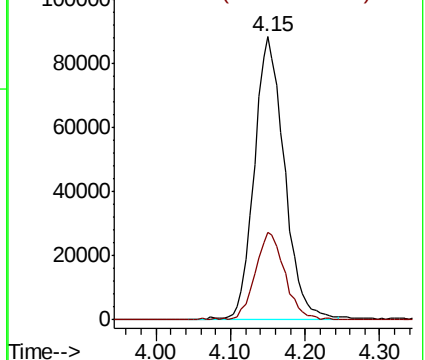
Tgt Ion: 43 Resp: 249024

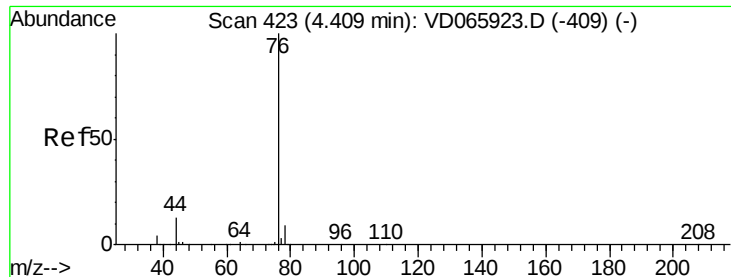
Ion	Ratio	Lower	Upper
43	100		
58	31.1	22.7	34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

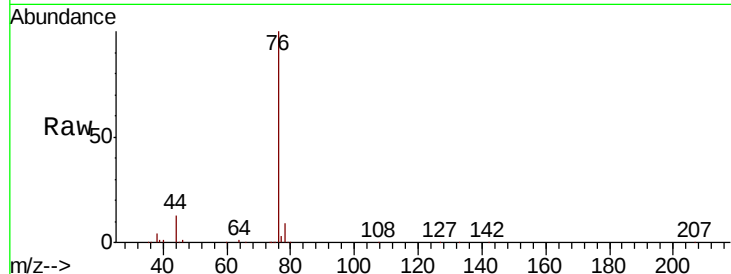




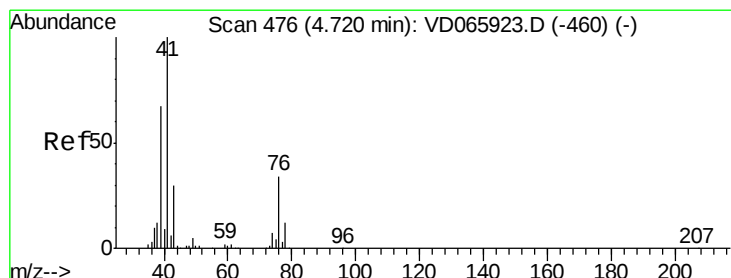
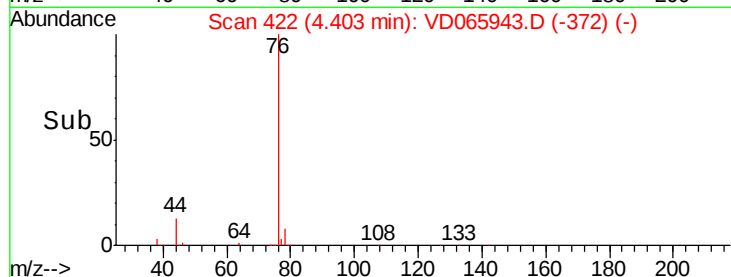
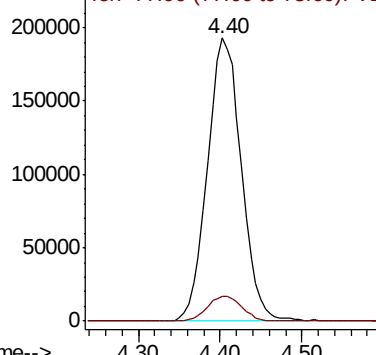
#17
Carbon Disulfide
Concen: 44.847 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 556864
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3

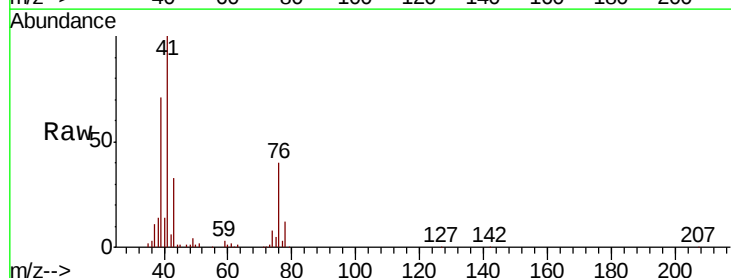


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

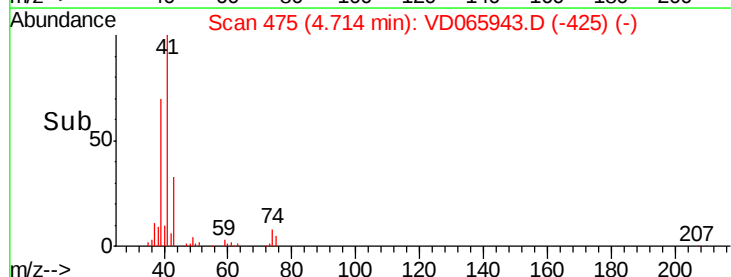
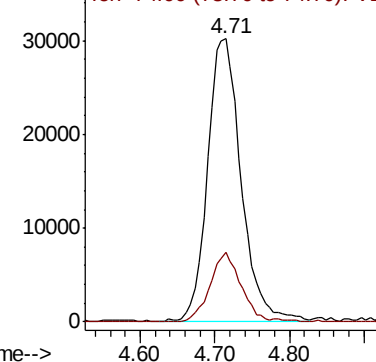


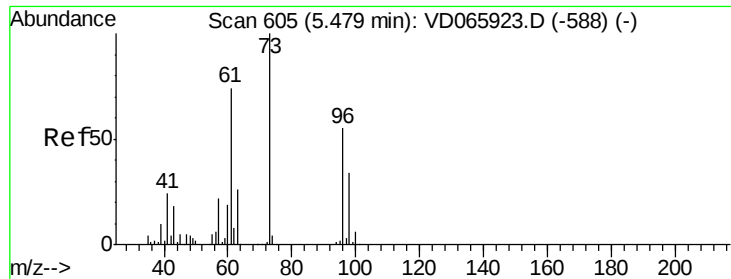
#18
Methyl Acetate
Concen: 48.343 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion: 43 Resp: 94640
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



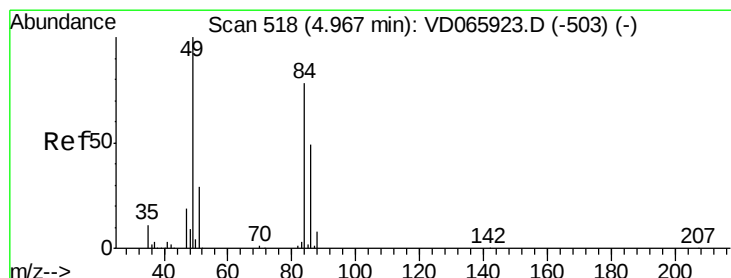
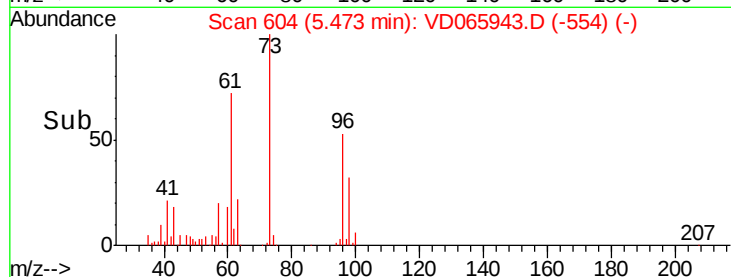
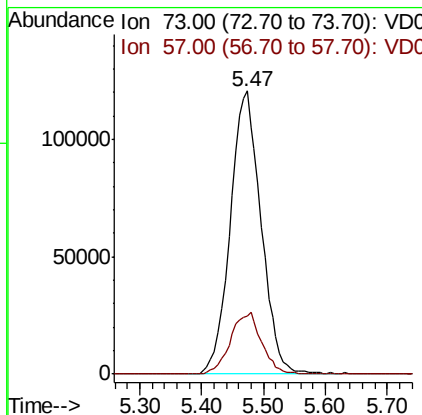
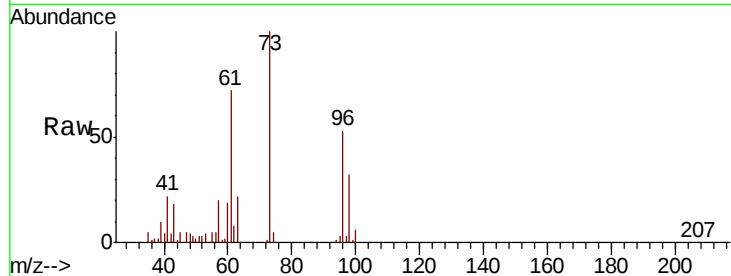


#19

Methyl tert-butyl Ether
 Concen: 50.560 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

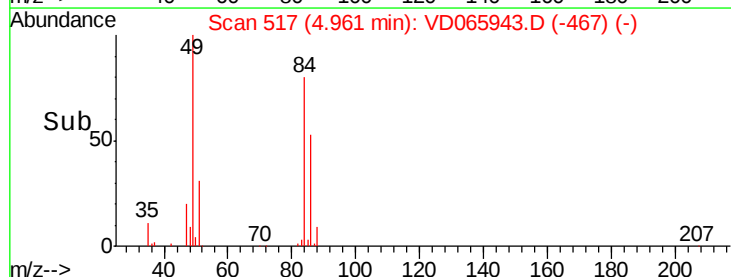
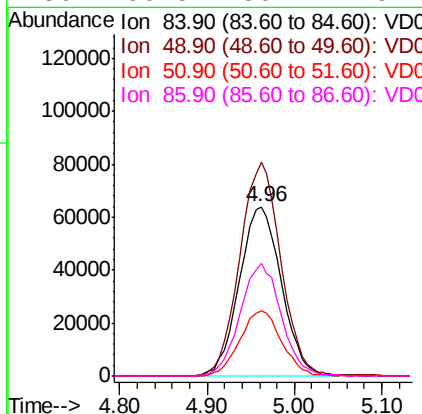
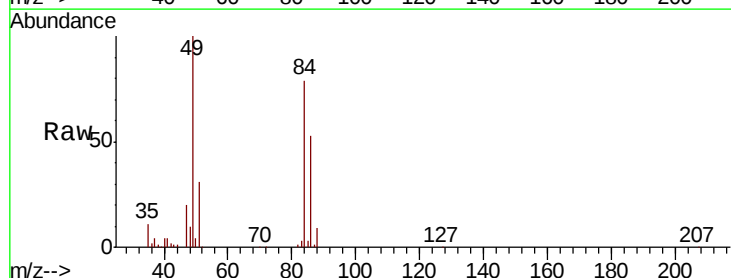
Tot Ion: 73 Resp: 417139
 Ion Ratio Lower Upper
 73 100
 57 20.4 17.7 26.5

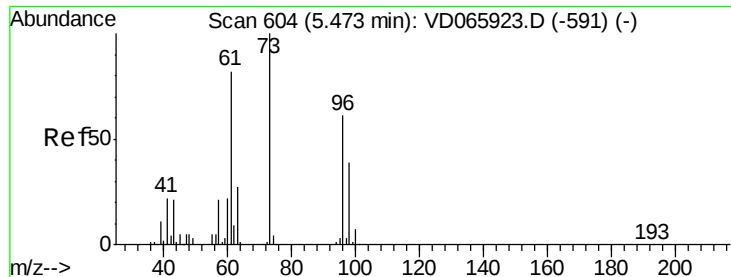


#20

Methylene Chloride
 Concen: 44.511 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Tgt Ion: 84 Resp: 209137
 Ion Ratio Lower Upper
 84 100
 49 126.2 102.2 153.2
 51 38.8 29.8 44.6
 86 66.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.411 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

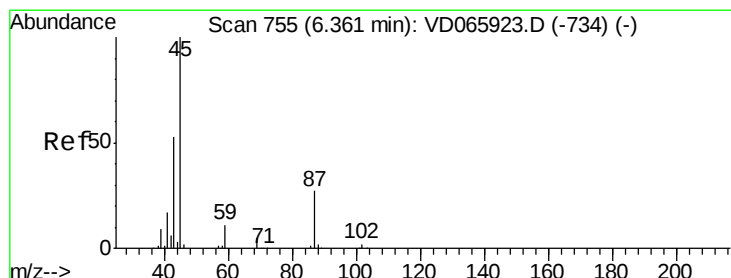
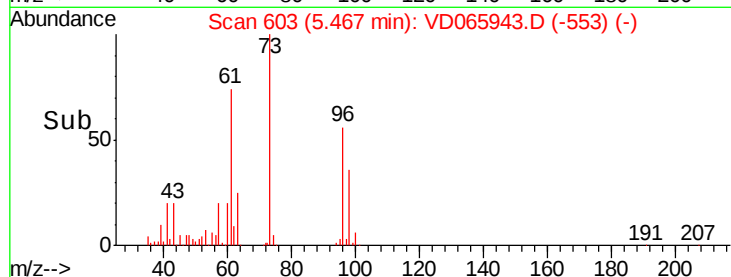
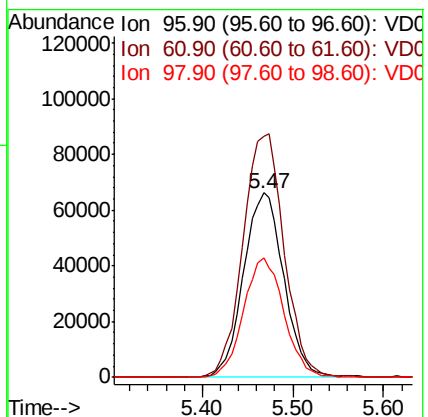
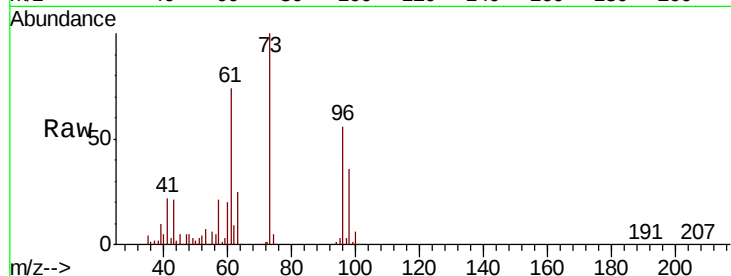
Tot Ion: 96 Resp: 203492

Ion Ratio Lower Upper

96 100

61 130.6 106.6 160.0

98 64.6 51.0 76.6



#22

Diisopropyl ether

Concen: 47.566 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Tgt Ion: 45 Resp: 590331

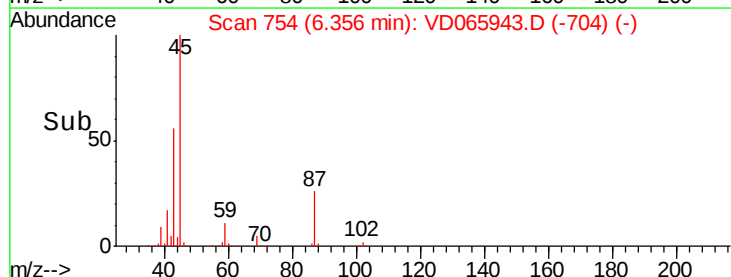
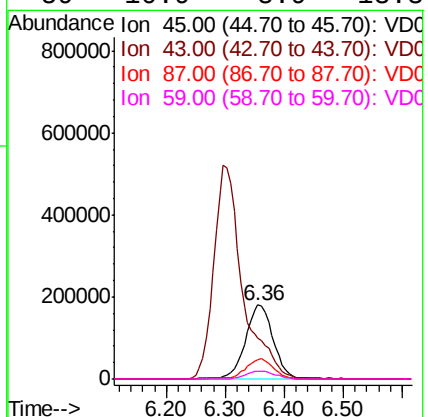
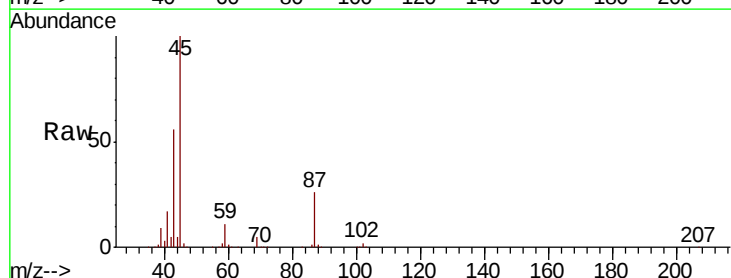
Ion Ratio Lower Upper

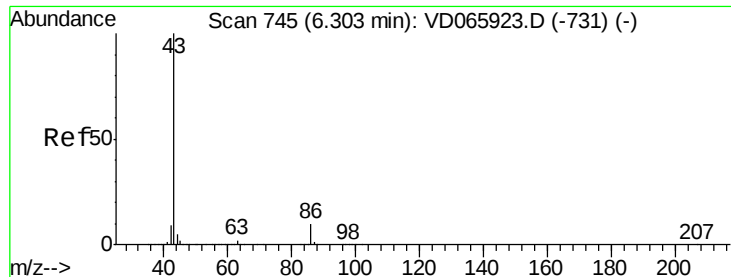
45 100

43 55.2 42.5 63.7

87 26.4 22.2 33.2

59 10.9 8.9 13.3





#23

Vinyl Acetate

Concen: 248.870 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

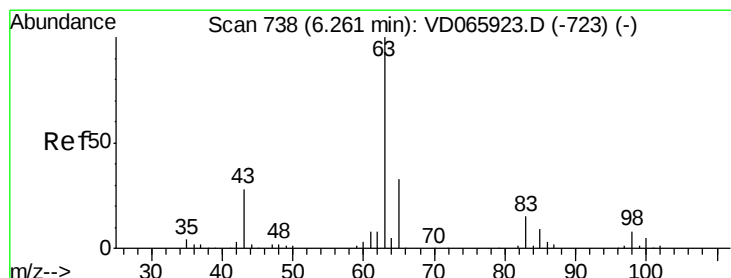
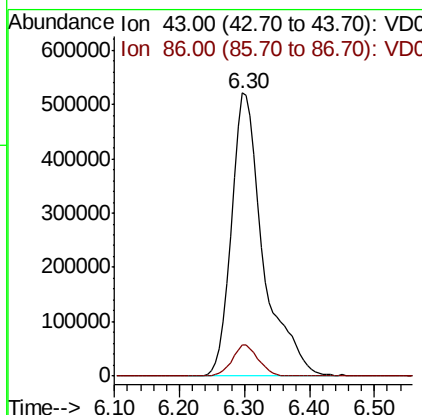
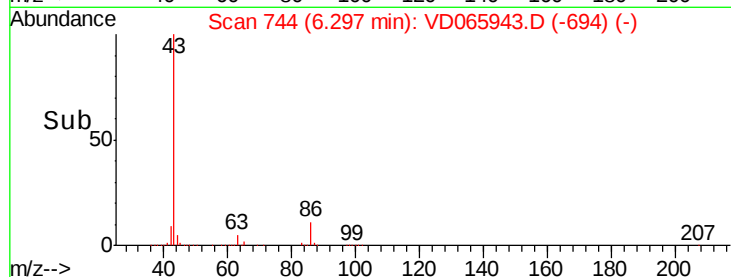
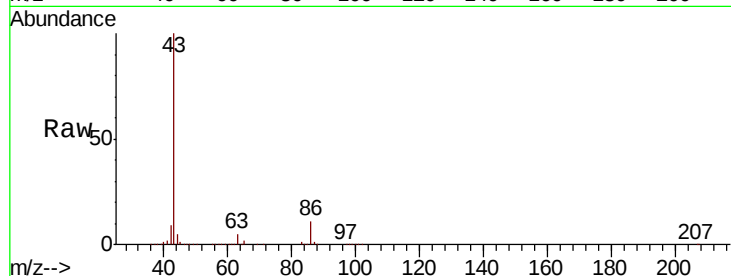
VSTDCCC050

Tot Ion: 43 Resp: 1763005

Ion Ratio Lower Upper

43 100

86 10.9 8.1 12.1



#24

1,1-Dichloroethane

Concen: 47.146 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

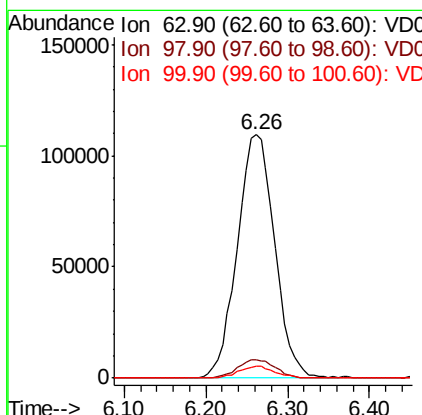
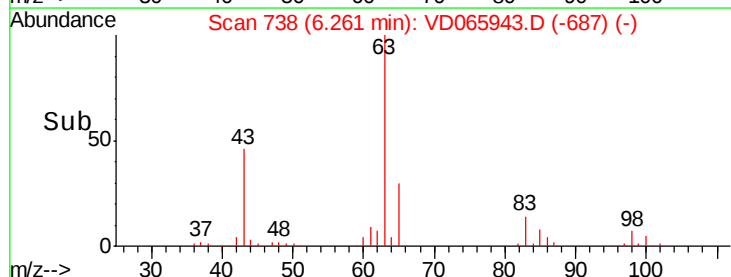
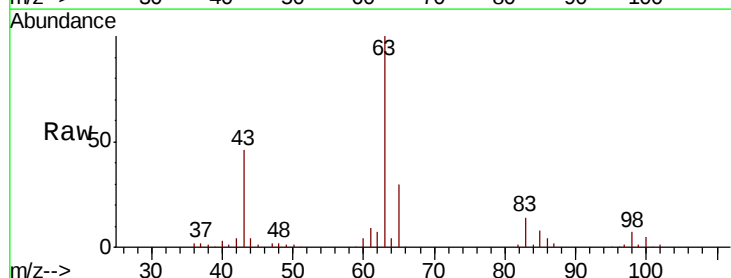
Tgt Ion: 63 Resp: 348905

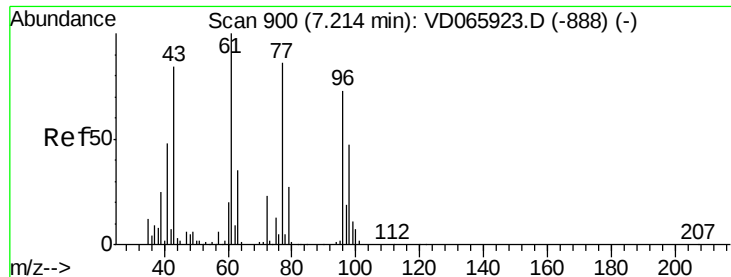
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 4.7 2.5 7.5

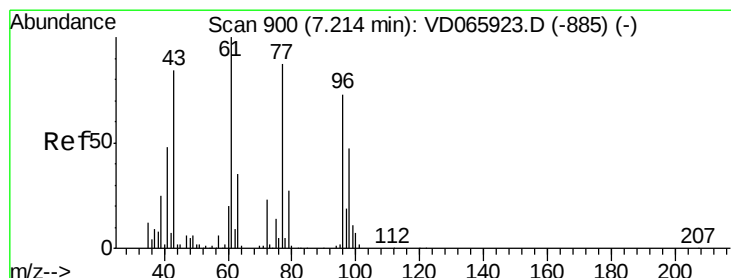
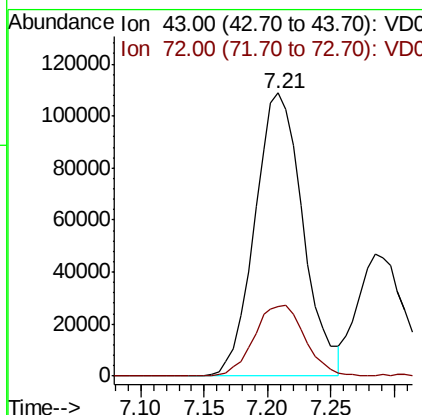
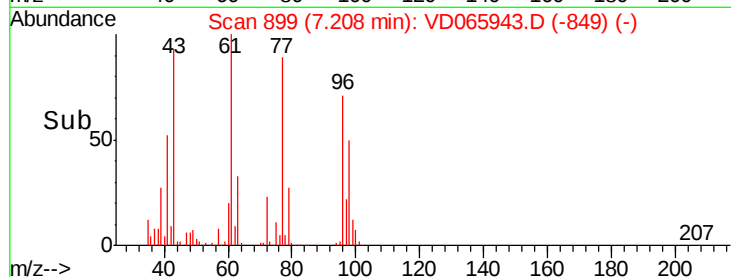
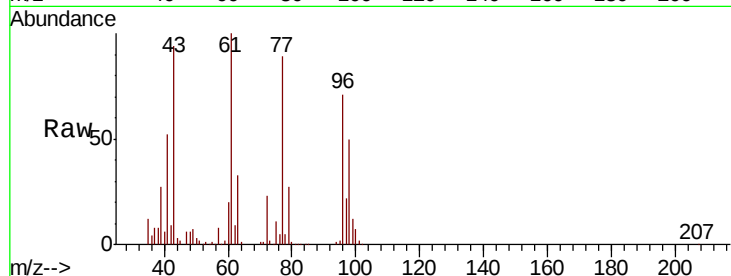




#25
 2-Butanone
 Concen: 260.952 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

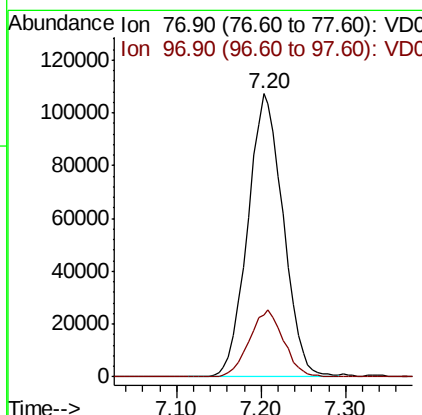
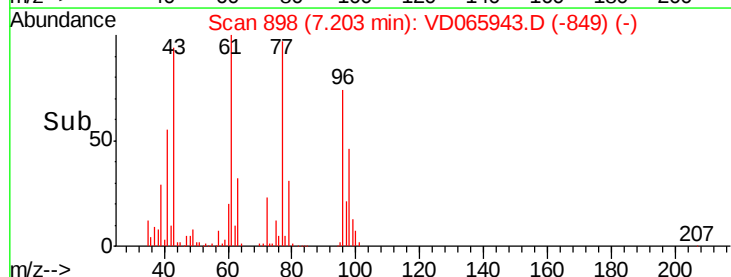
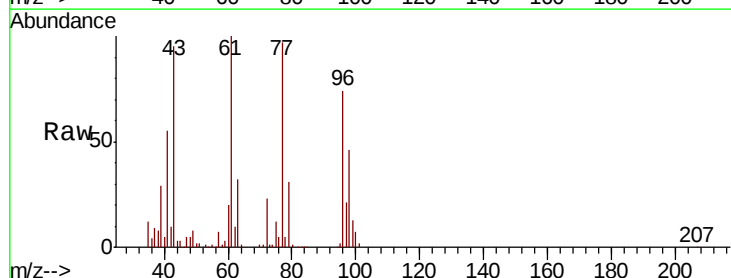
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

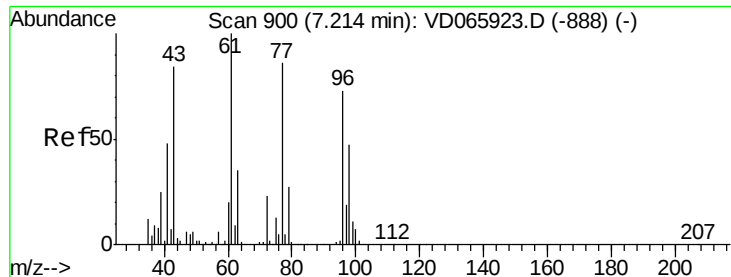
Tot Ion: 43 Resp: 287983
 Ion Ratio Lower Upper
 43 100
 72 24.7 22.1 33.1



#26
 2,2-Dichloropropane
 Concen: 48.303 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Tgt Ion: 77 Resp: 312716
 Ion Ratio Lower Upper
 77 100
 97 22.9 11.6 34.8



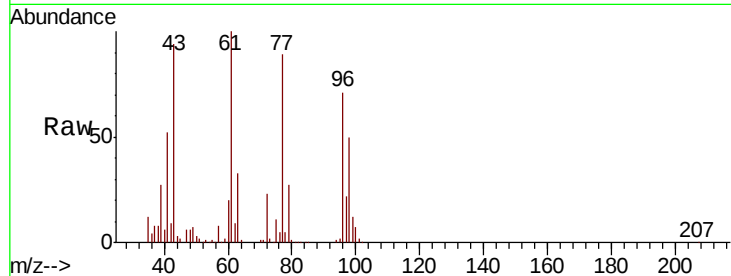


#27

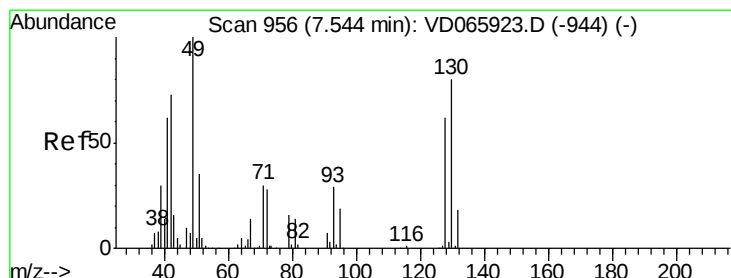
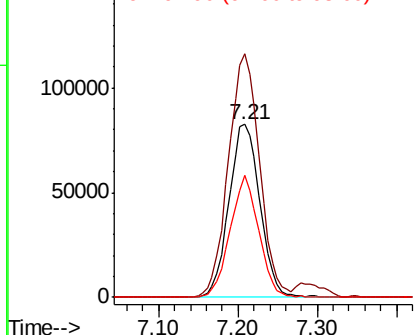
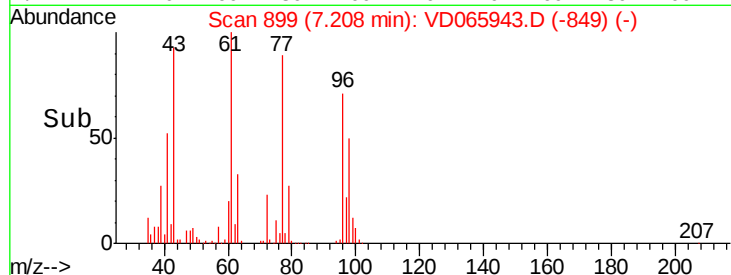
cis-1,2-Dichloroethene
Concen: 47.483 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	223692
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	286.6
98	65.2	0.0	128.2



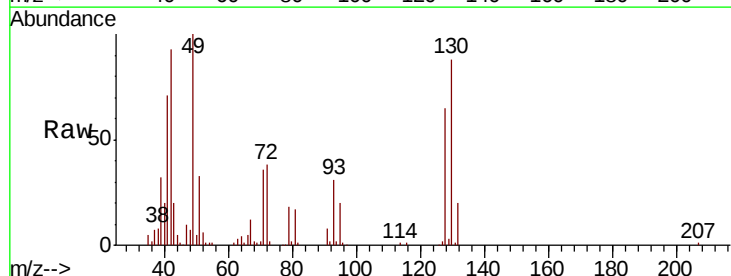
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



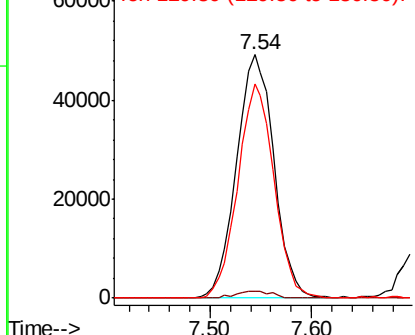
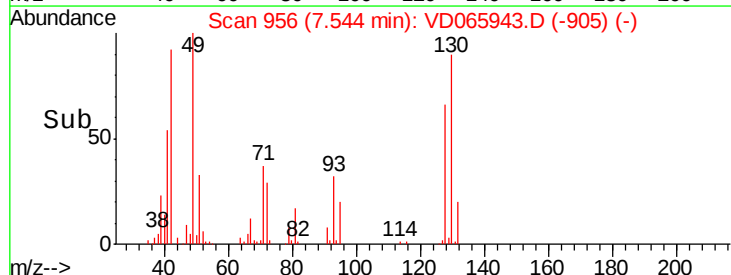
#28

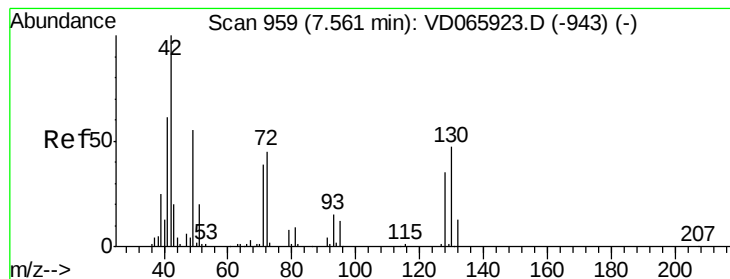
Bromochloromethane
Concen: 45.120 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion	49	Resp	126138
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	84.8	65.8	98.8



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





#29

Tetrahydrofuran

Concen: 247.558 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

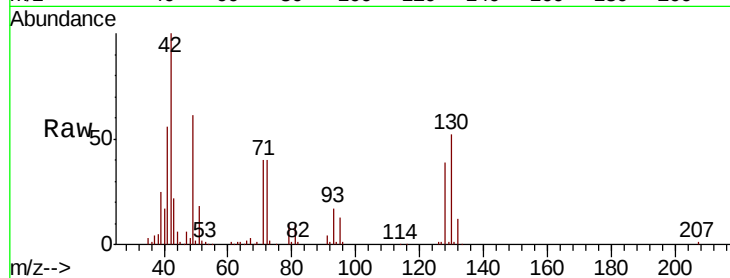
Tot Ion: 42 Resp: 173724

Ion Ratio Lower Upper

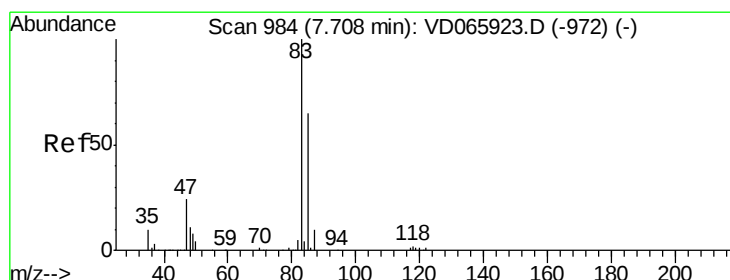
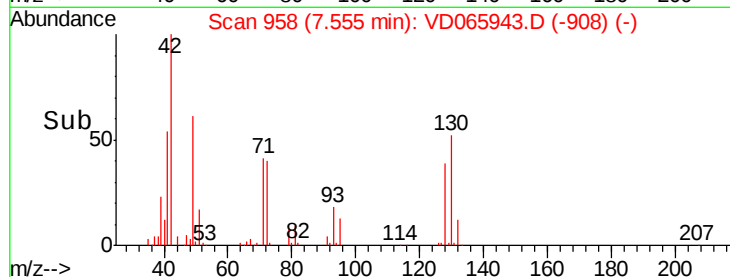
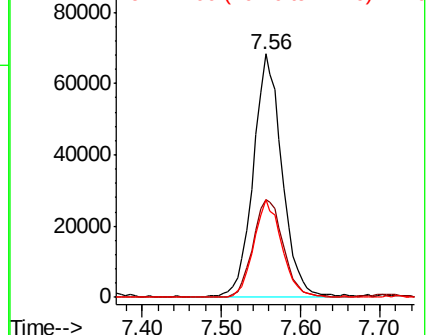
42 100

72 42.2 32.8 49.2

71 39.0 31.0 46.4



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



#30

Chloroform

Concen: 47.322 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.00 min

Lab File: VD065943.D

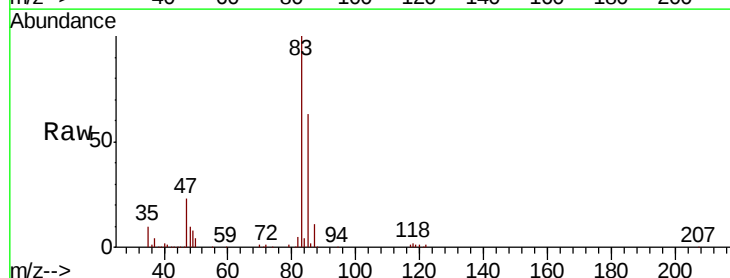
Acq: 10 Jul 2020 11:30

Tgt Ion: 83 Resp: 355028

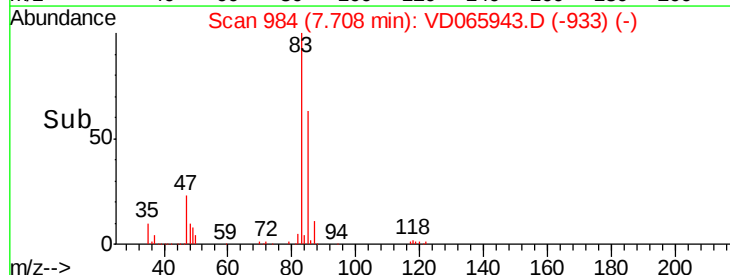
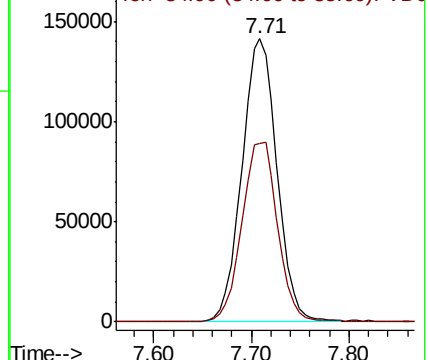
Ion Ratio Lower Upper

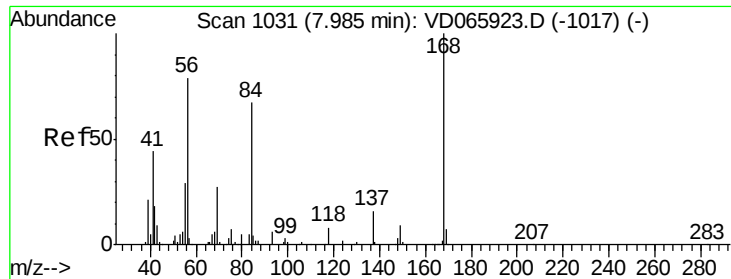
83 100

85 63.2 51.6 77.4



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

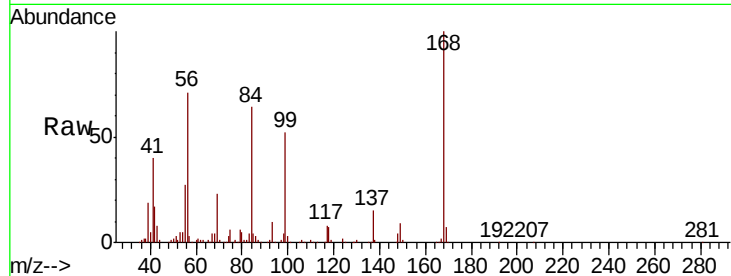




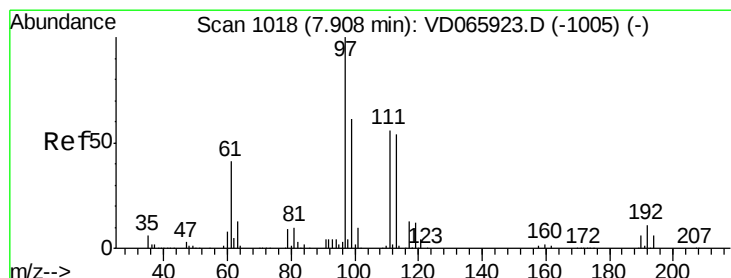
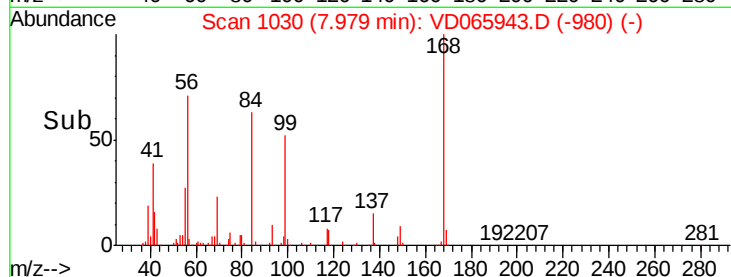
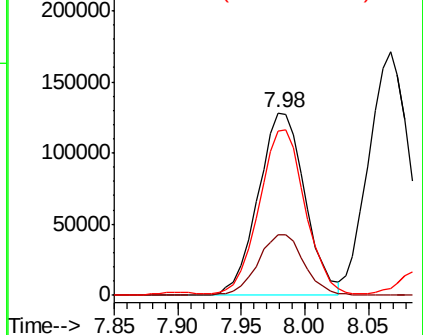
#31
Cyclohexane
Concen: 45.268 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 329612
Ion Ratio Lower Upper
56 100
69 32.9 27.4 41.0
84 88.7 68.6 102.8

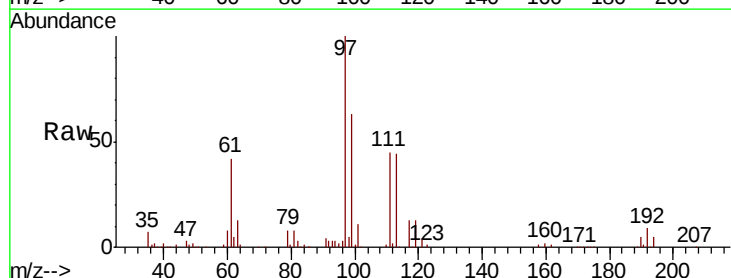


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

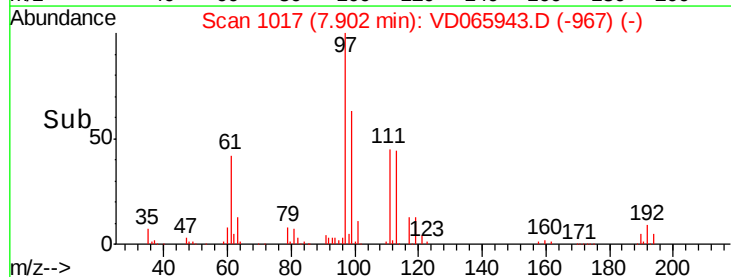
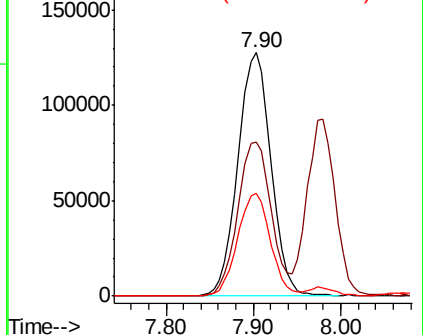


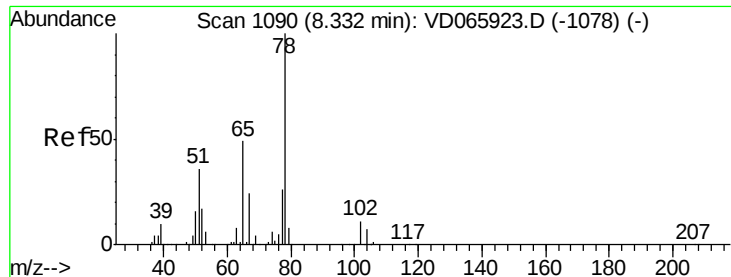
#32
1,1,1-Trichloroethane
Concen: 47.969 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion: 97 Resp: 328424
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 41.6 33.6 50.4



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





#33

1,2-Dichloroethane-d4

Concen: 44.704 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

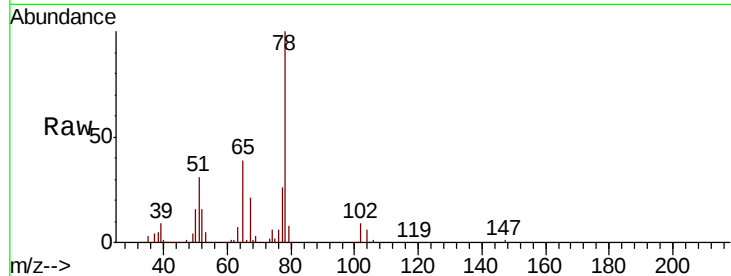
VSTDCCC050

Tot Ion: 65 Resp: 159308

Ion Ratio Lower Upper

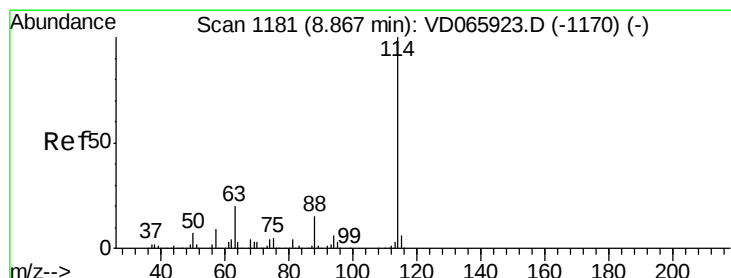
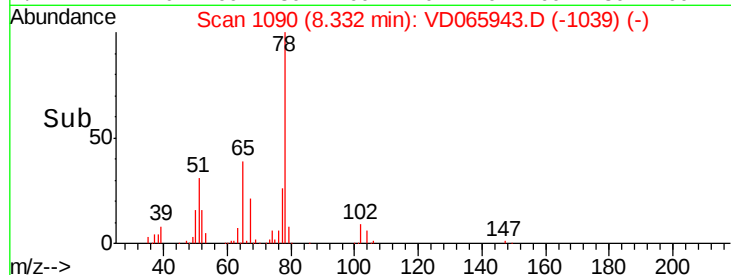
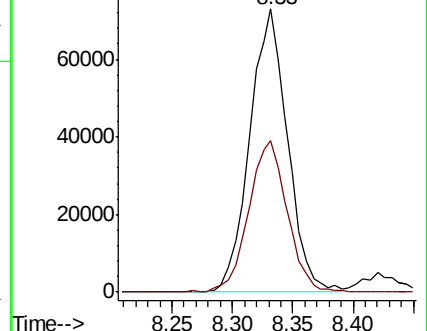
65 100

67 54.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

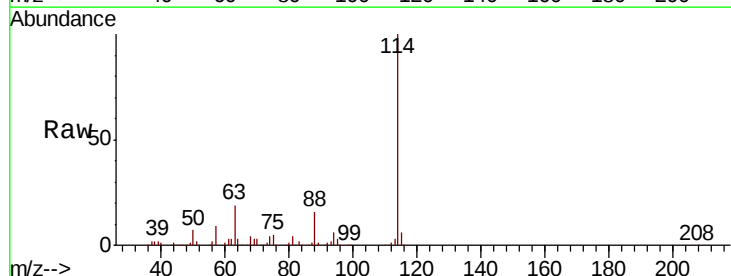
Tgt Ion: 114 Resp: 585090

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.2

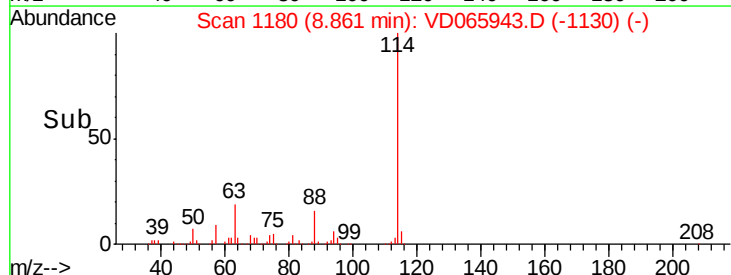
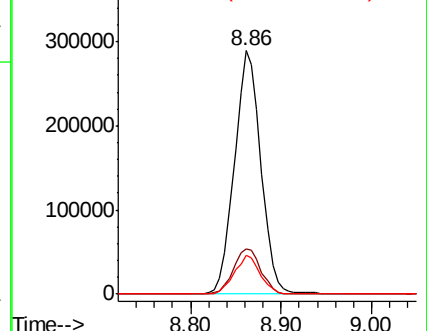
88 16.0 0.0 30.0

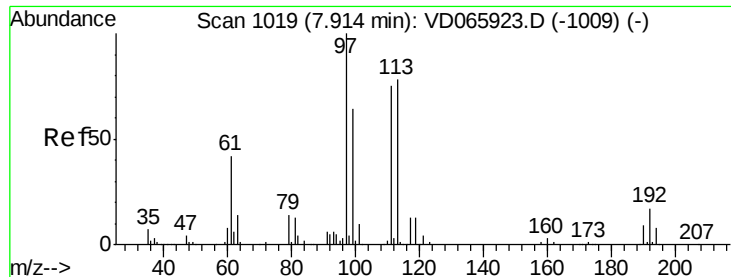


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

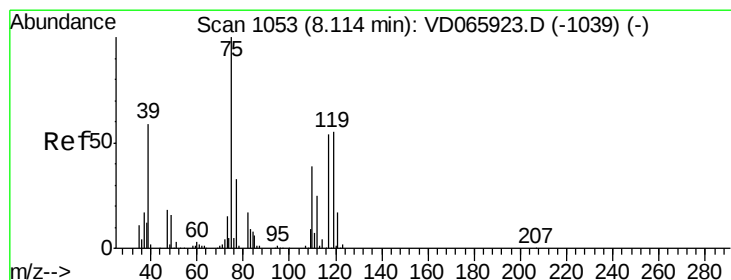
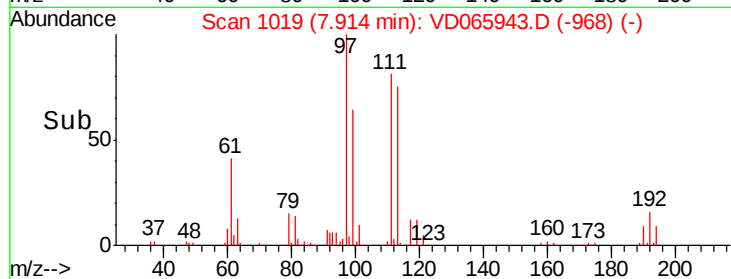
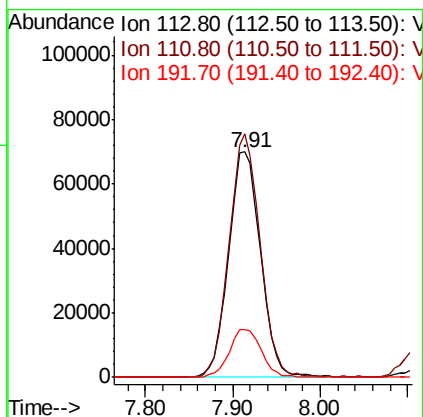
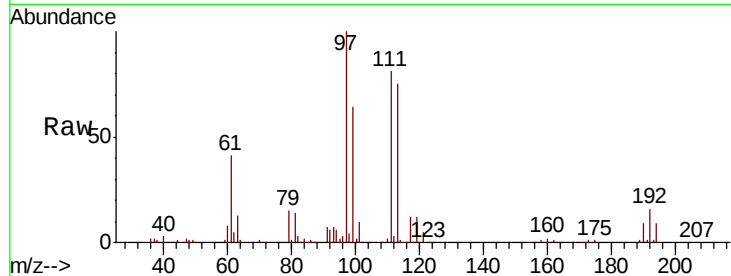




#35
Dibromofluoromethane
Concen: 48.175 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

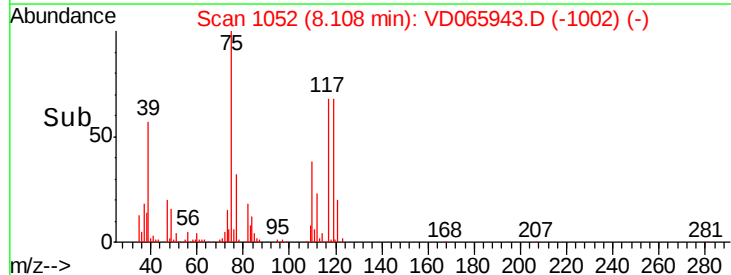
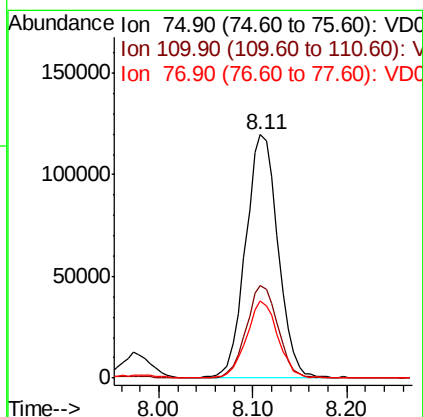
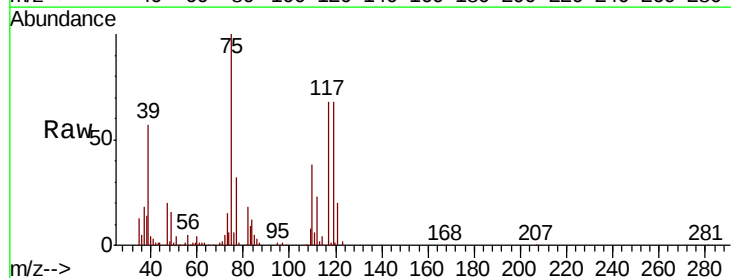
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

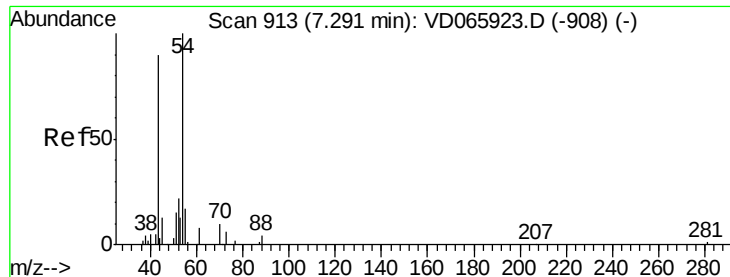
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.9	121.3
192	21.2	17.1	25.7



#36
1,1-Dichloropropene
Concen: 49.627 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.5	55.5
77	30.8	25.6	38.4

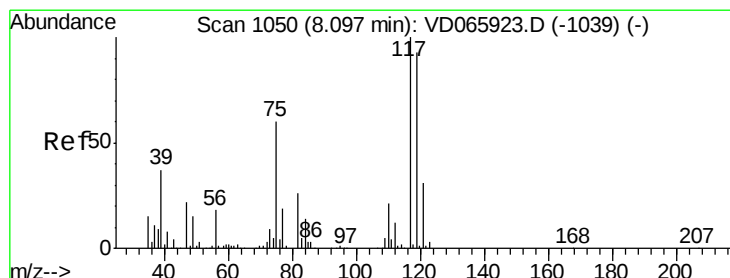
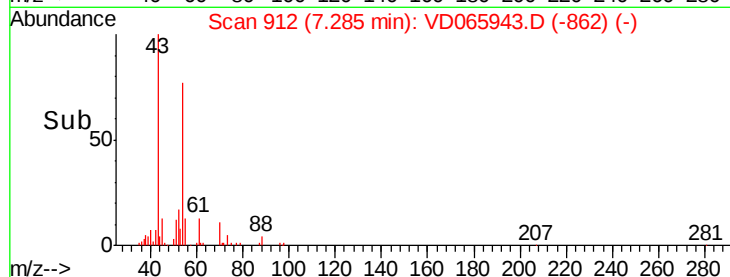
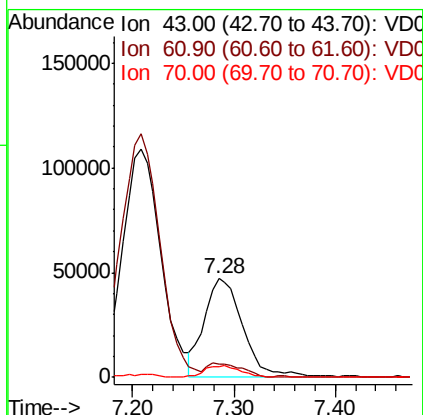
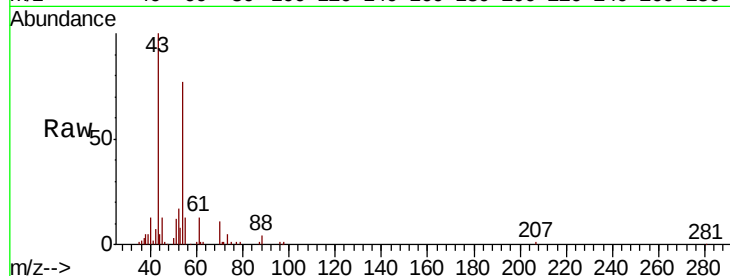




#37
Ethyl Acetate
Concen: 50.560 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

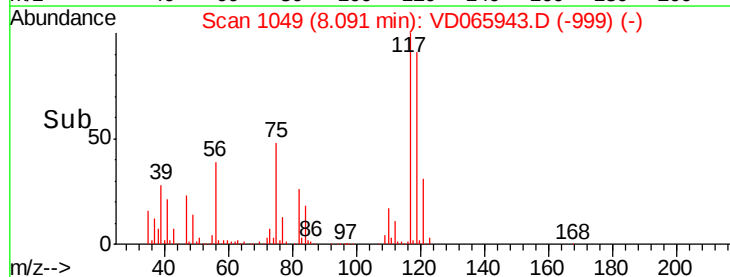
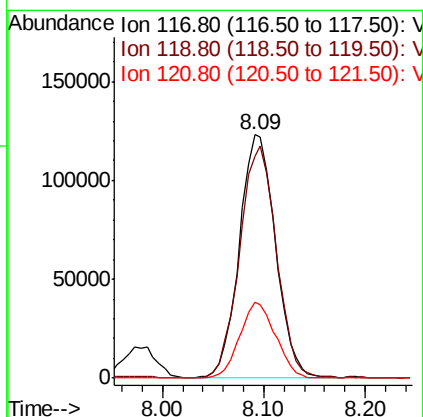
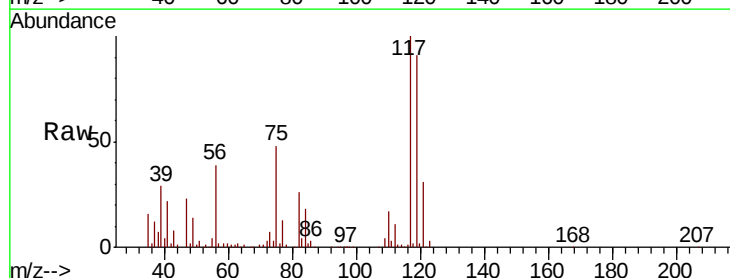
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

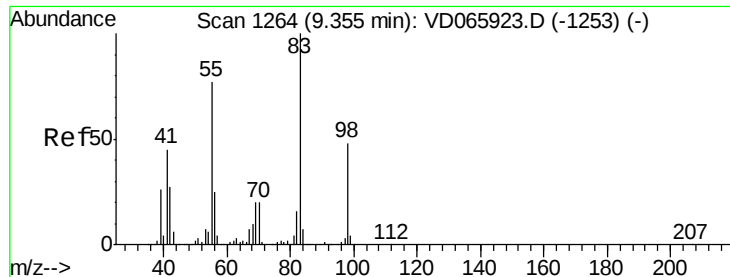
Tot Ion: 43 Resp: 122418
Ion Ratio Lower Upper
43 100
61 12.1 9.4 14.0
70 11.3 8.3 12.5



#38
Carbon Tetrachloride
Concen: 49.088 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion: 117 Resp: 304040
Ion Ratio Lower Upper
117 100
119 91.1 74.7 112.1
121 31.3 24.9 37.3

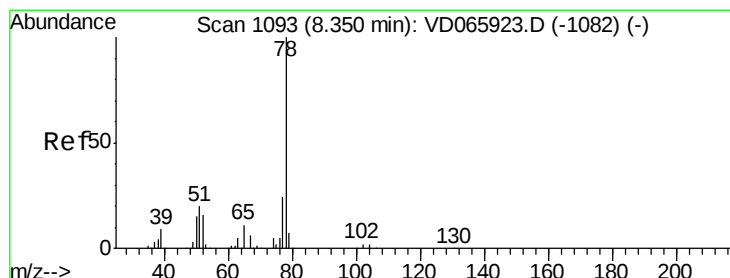
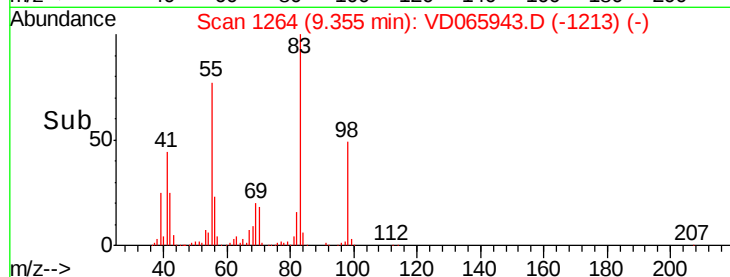
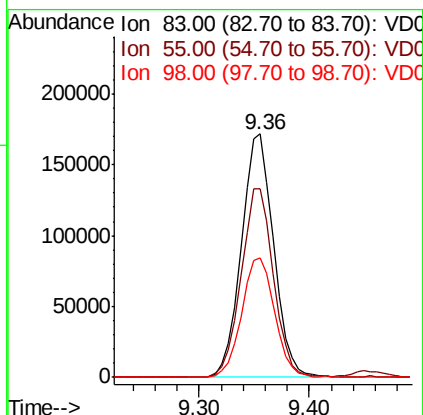
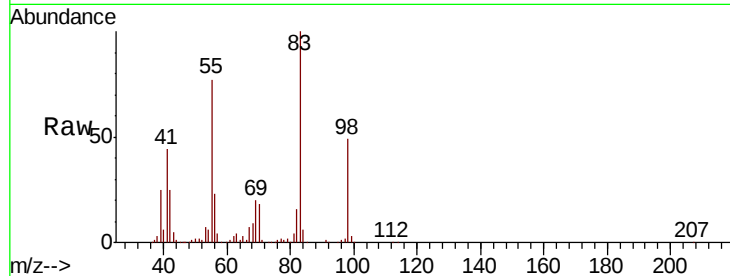




#39
Methvlcvclohexane
Concen: 49.679 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

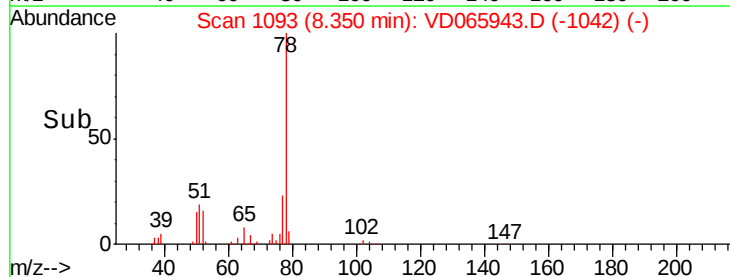
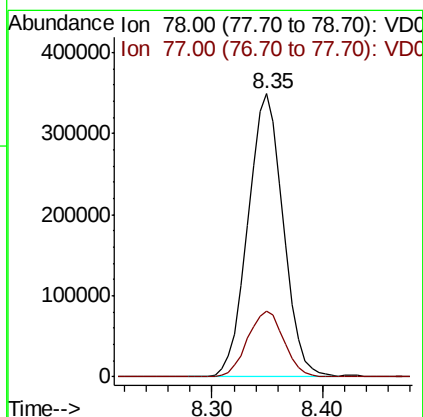
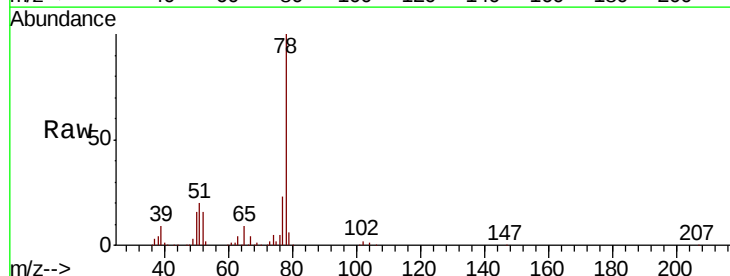
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

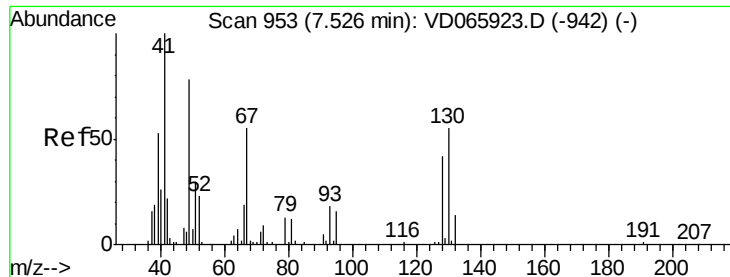
Tot Ion: 83 Resp: 352449
Ion Ratio Lower Upper
83 100
55 77.2 61.7 92.5
98 49.3 38.6 58.0



#40
Benzene
Concen: 49.130 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion: 78 Resp: 784325
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0

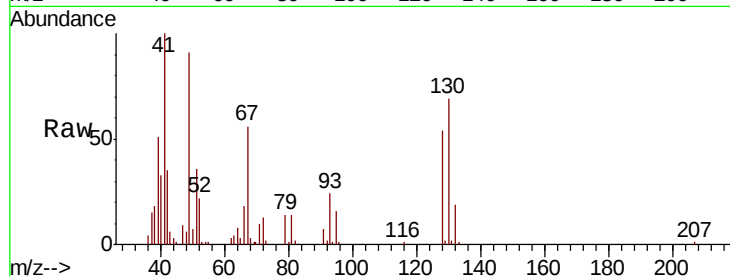




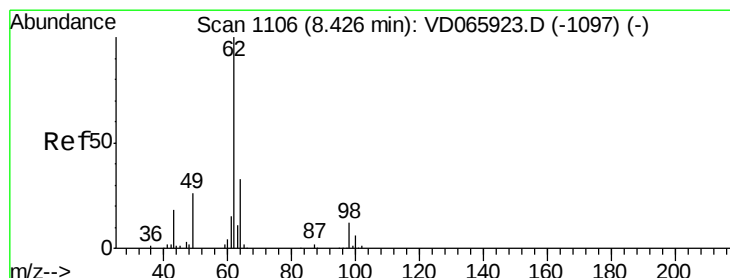
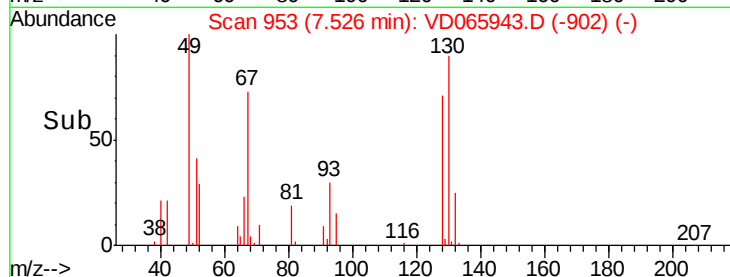
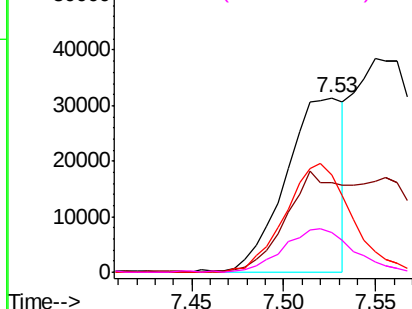
#41
Methacrylonitrile
Concen: 49.536 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 69635
Ion Ratio Lower Upper
41 100
39 0.0 42.4 63.6#
67 0.0 53.6 80.4#
52 0.0 22.2 33.2#

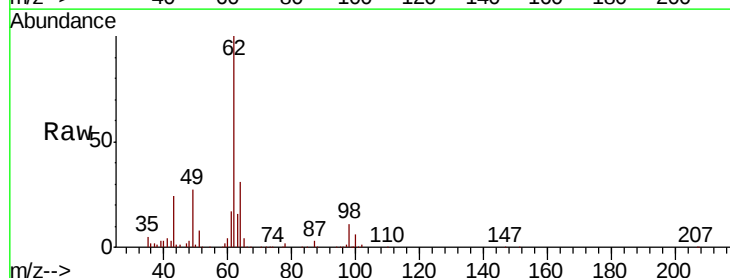


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

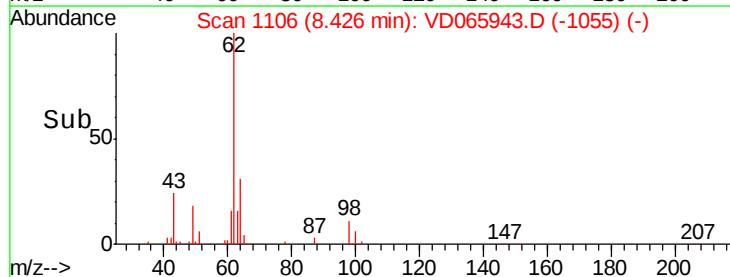
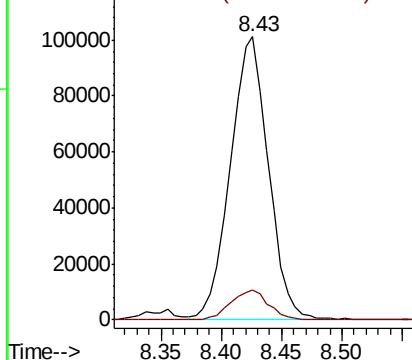


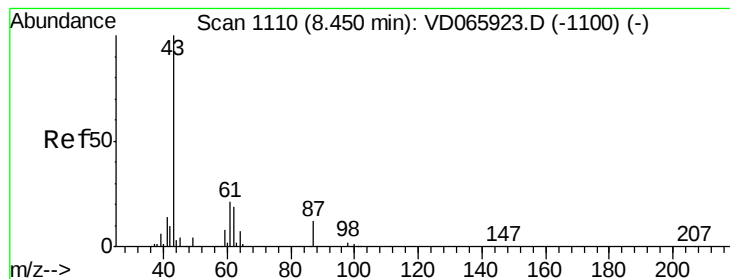
#42
1,2-Dichloroethane
Concen: 48.900 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion: 62 Resp: 221152
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 51.892 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

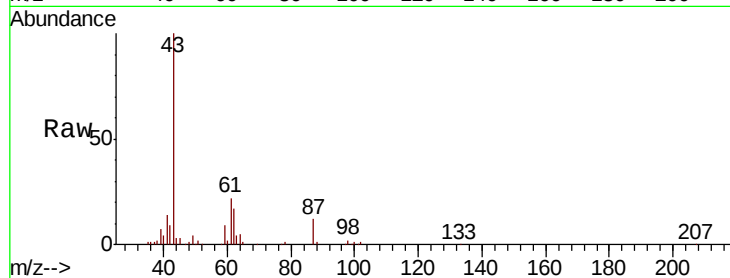
Tot Ion: 43 Resp: 233869

Ion Ratio Lower Upper

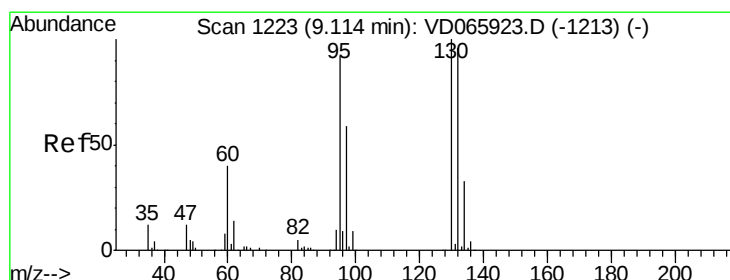
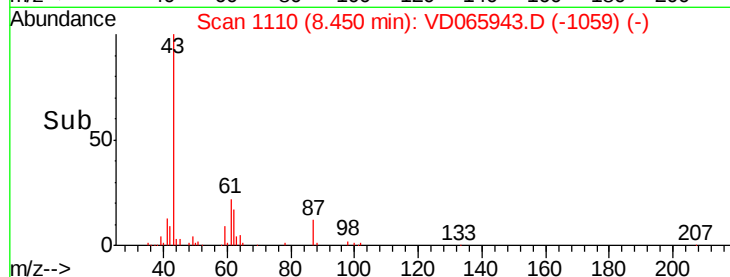
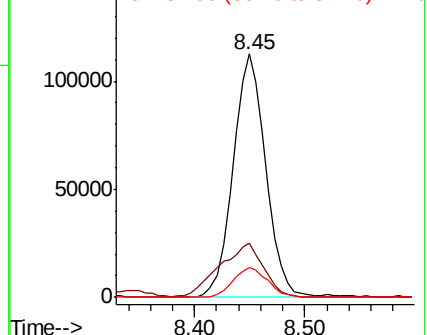
43 100

61 29.8 23.2 34.8

87 13.2 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.809 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065943.D

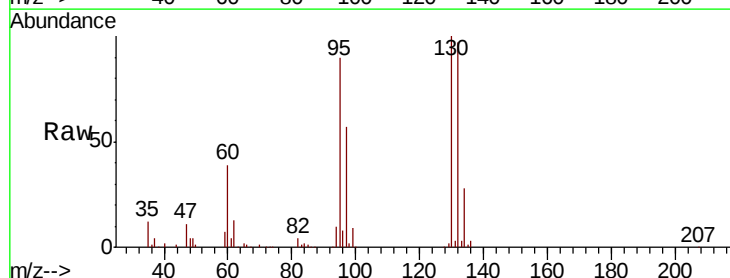
Acq: 10 Jul 2020 11:30

Tgt Ion: 130 Resp: 233634

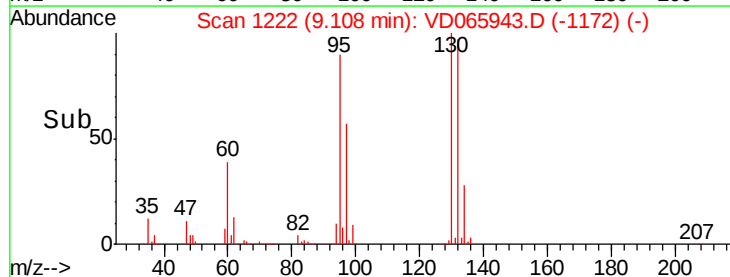
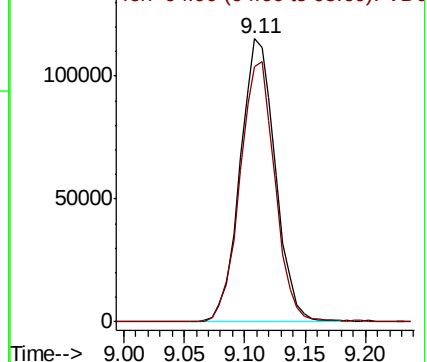
Ion Ratio Lower Upper

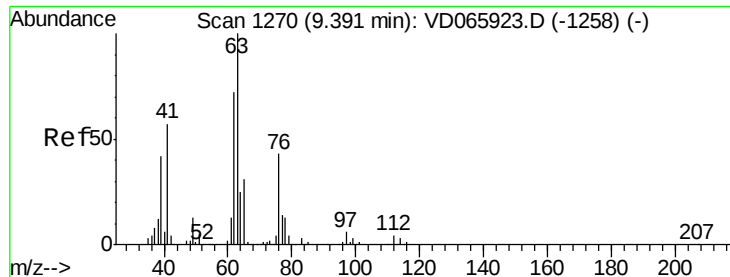
130 100

95 90.3 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.890 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

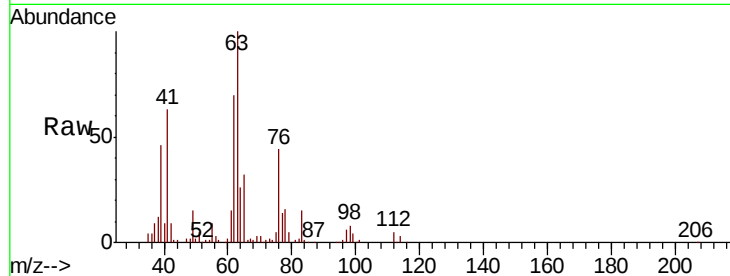
VSTDCCC050

Tot Ion: 63 Resp: 197679

Ion Ratio Lower Upper

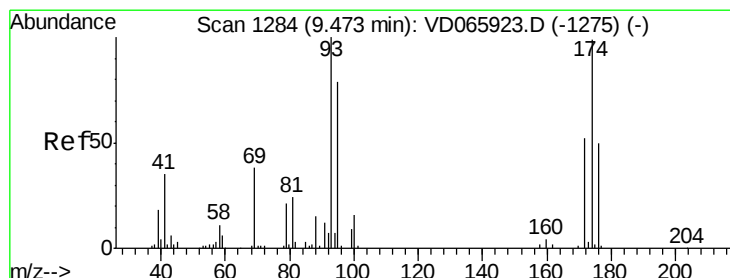
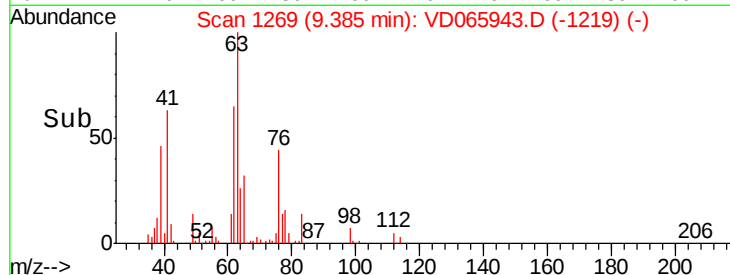
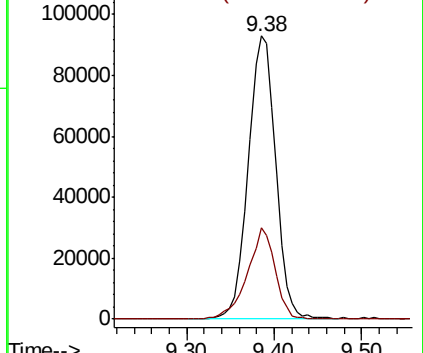
63 100

65 32.1 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.192 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

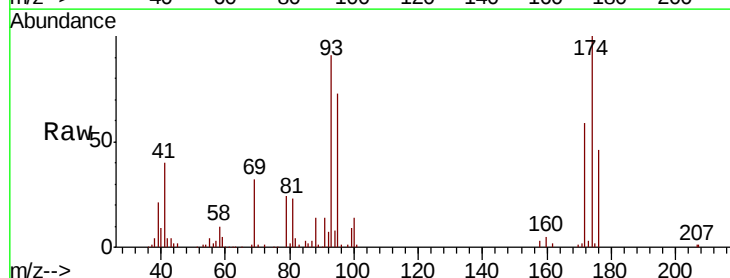
Tgt Ion: 93 Resp: 105602

Ion Ratio Lower Upper

93 100

95 82.1 68.2 102.2

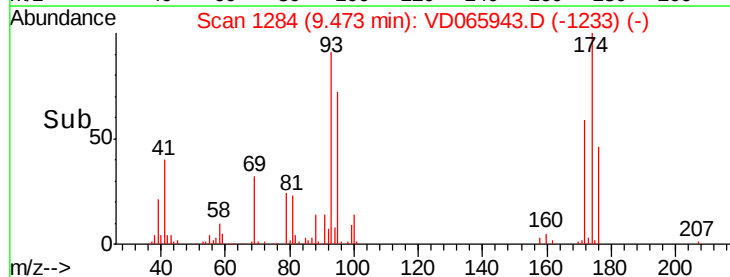
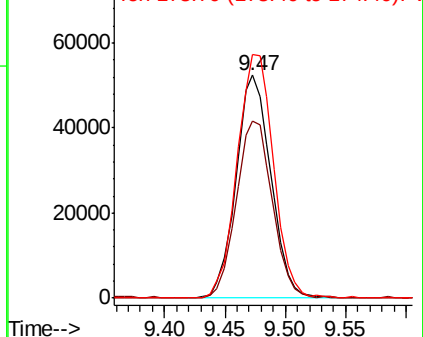
174 114.2 88.0 132.0

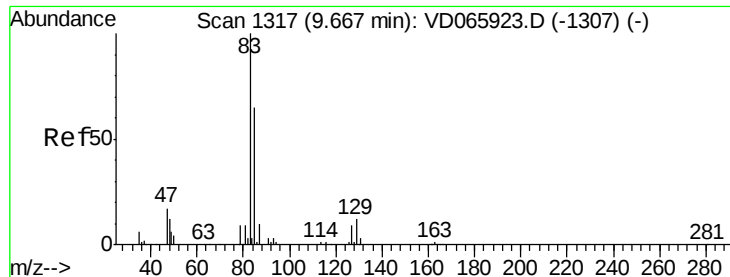


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.794 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

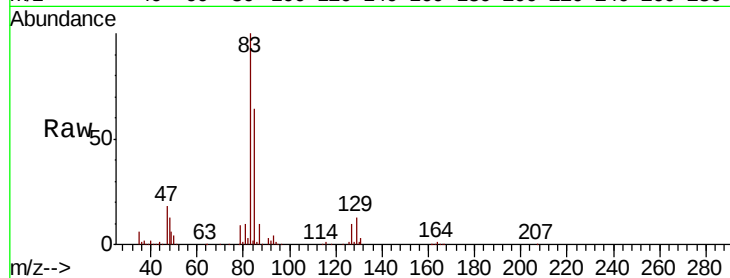
Tot Ion: 83 Resp: 275533

Ion Ratio Lower Upper

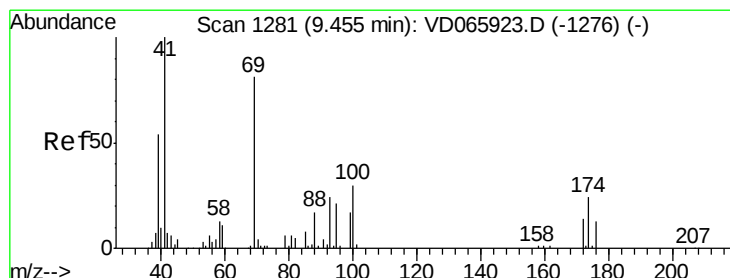
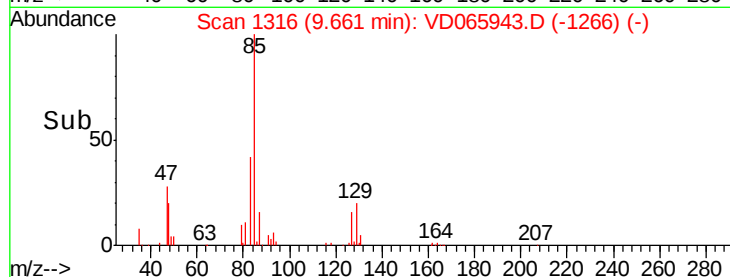
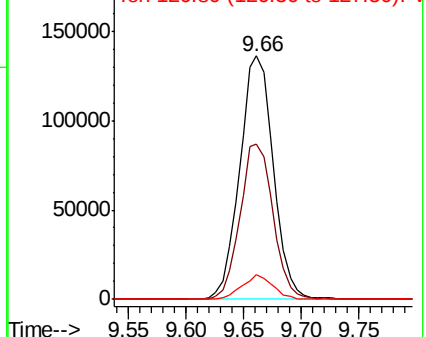
83 100

85 63.9 51.6 77.4

127 10.4 7.2 10.8



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



#48

Methyl methacrylate

Concen: 52.166 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

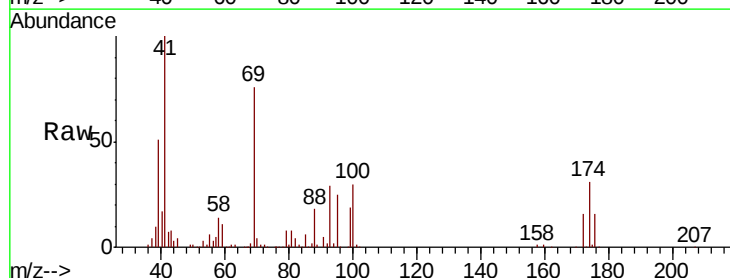
Tgt Ion: 41 Resp: 118355

Ion Ratio Lower Upper

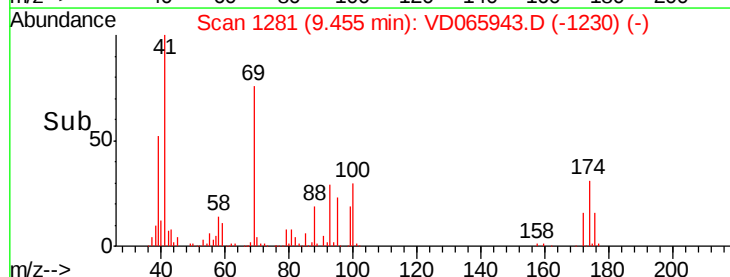
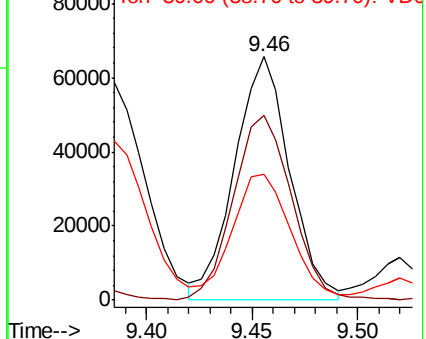
41 100

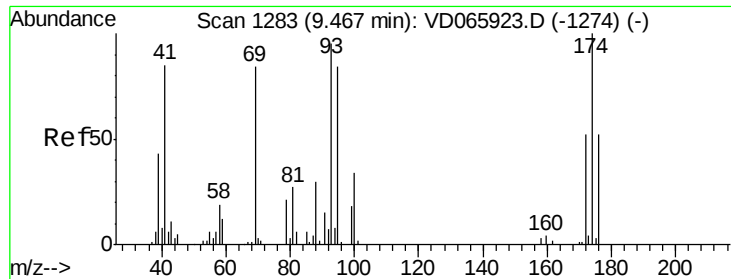
69 81.1 62.2 93.4

39 50.8 39.9 59.9



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





#49

1,4-Dioxane

Concen: 1070.715 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

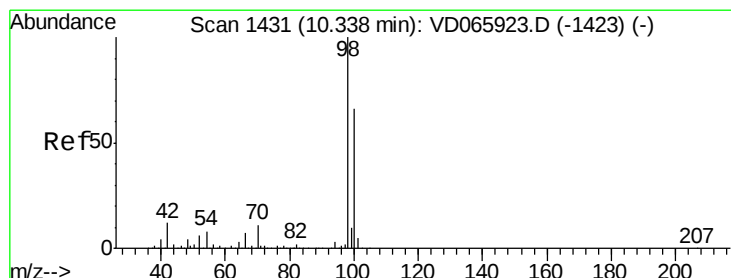
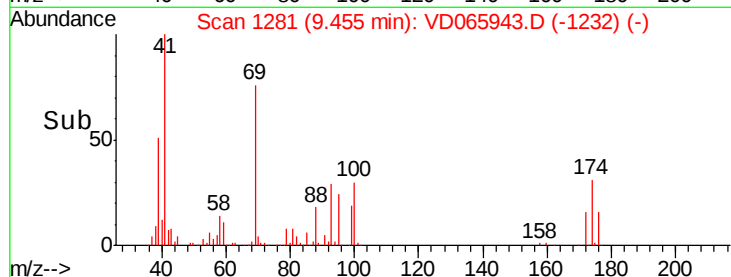
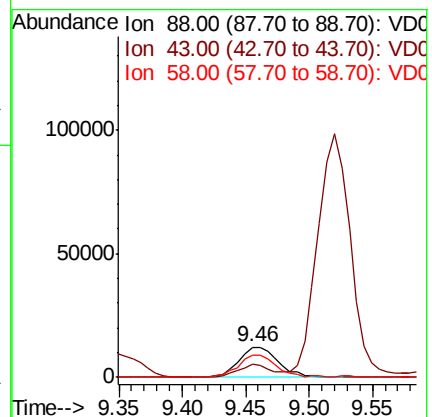
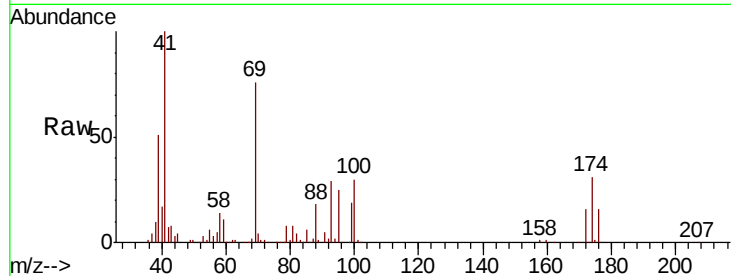
Tot Ion: 88 Resp: 26244

Ion Ratio Lower Upper

88 100

43 34.1 28.2 42.4

58 72.2 58.6 87.8



#50

Toluene-d8

Concen: 47.785 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD065943.D

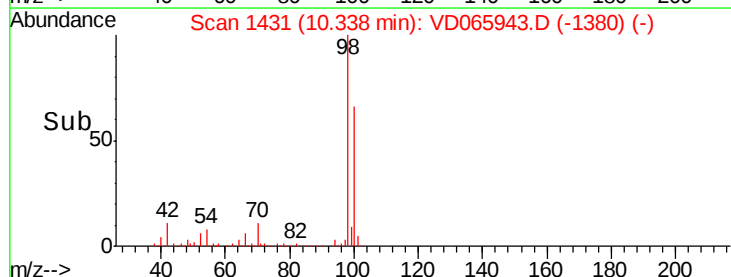
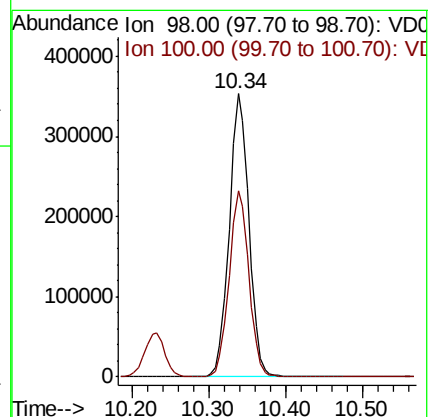
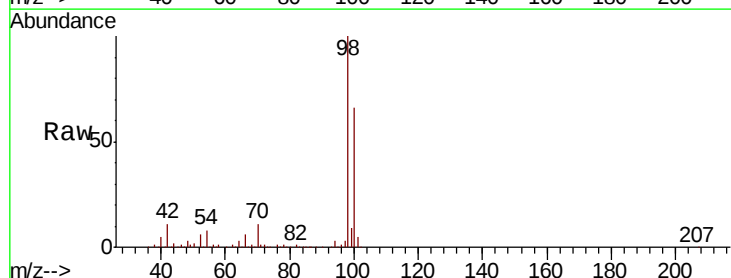
Acq: 10 Jul 2020 11:30

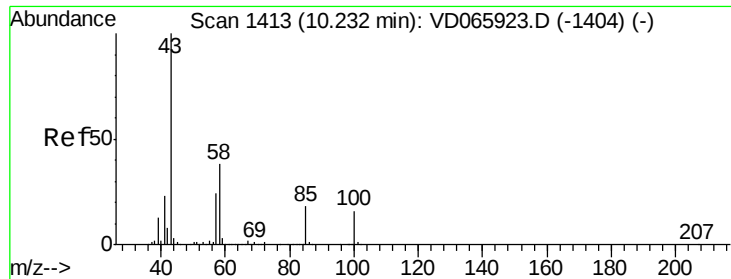
Tgt Ion: 98 Resp: 629293

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 263.469 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

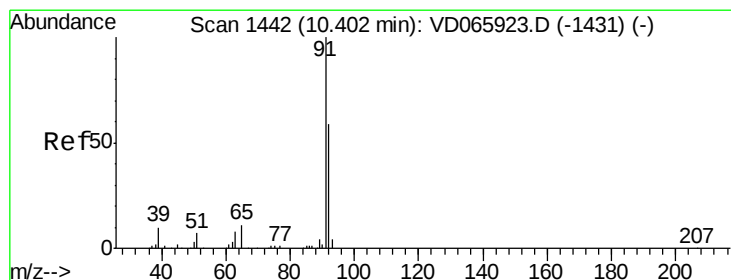
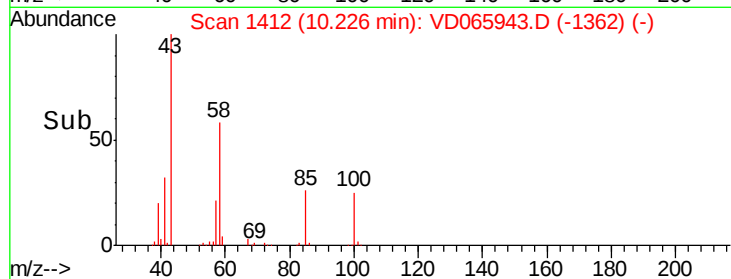
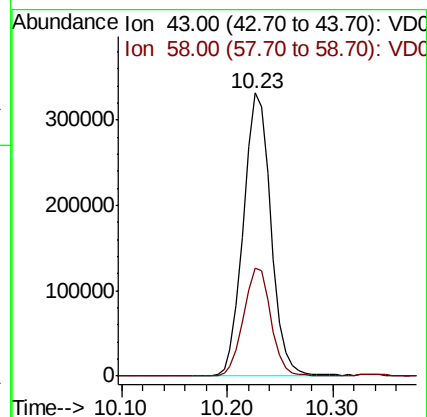
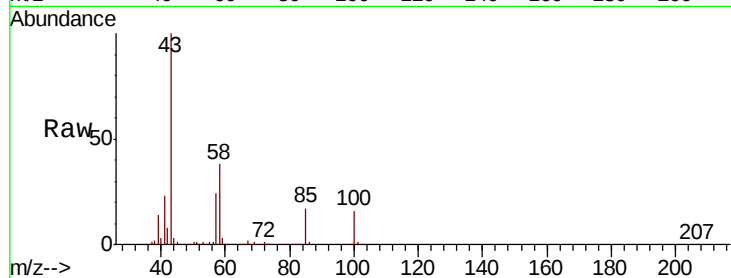
VSTDCCC050

Tot Ion: 43 Resp: 600312

Ion Ratio Lower Upper

43 100

58 38.1 30.5 45.7



#52

Toluene

Concen: 51.524 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065943.D

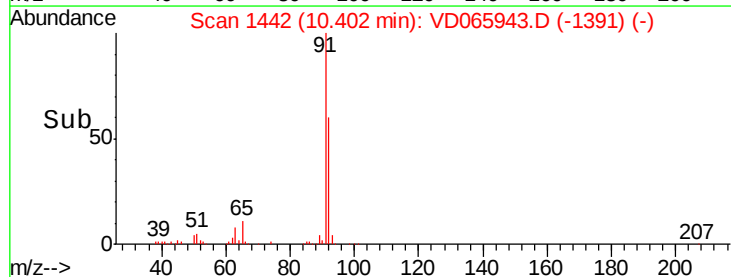
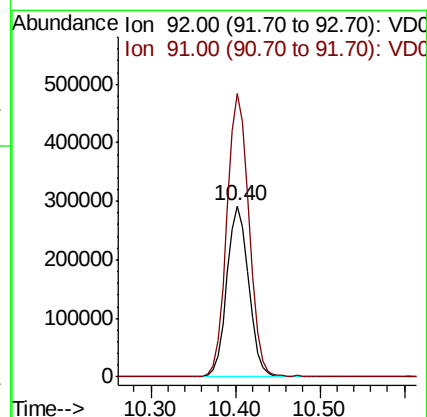
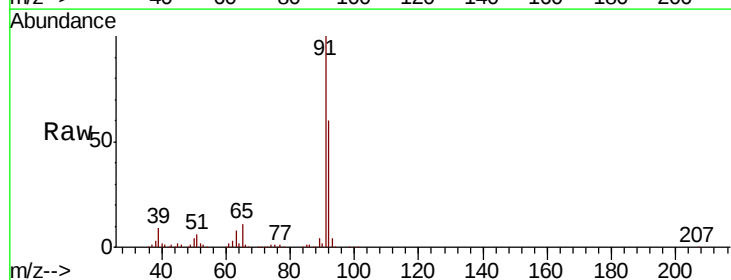
Acq: 10 Jul 2020 11:30

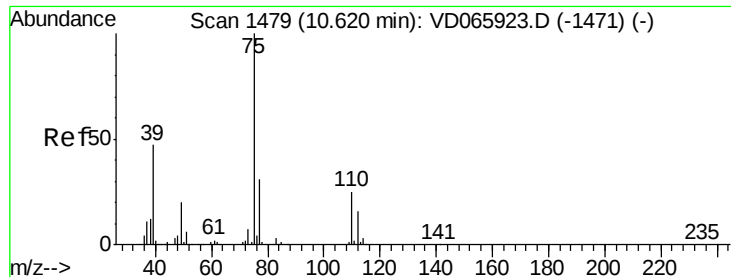
Tgt Ion: 92 Resp: 523292

Ion Ratio Lower Upper

92 100

91 167.3 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 52.190 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

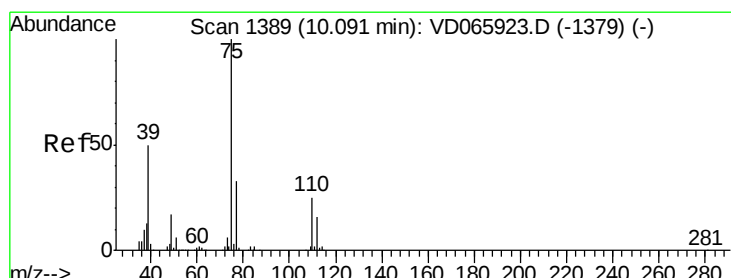
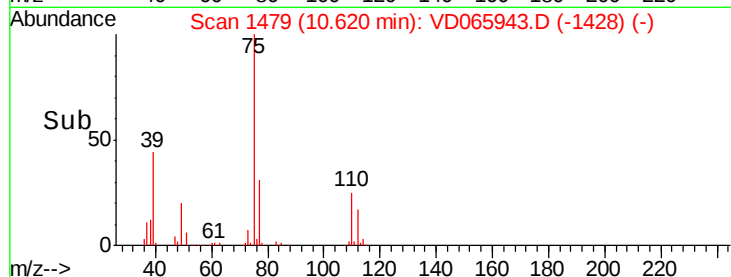
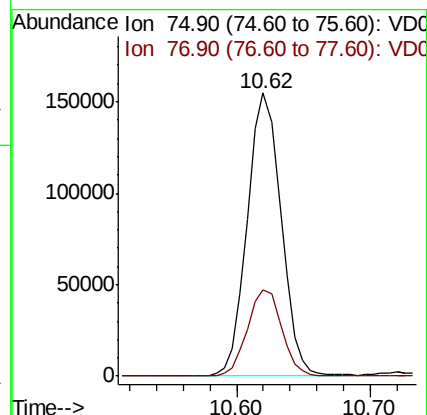
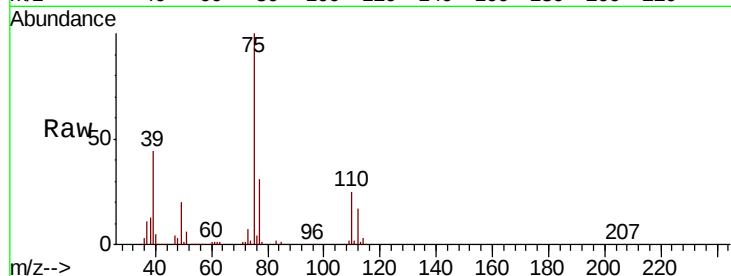
VSTDCCC050

Tot Ion: 75 Resp: 271542

Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 50.356 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

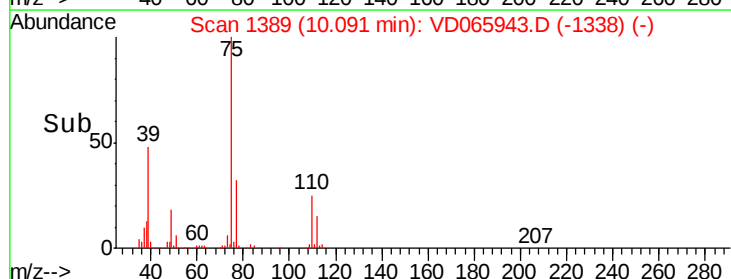
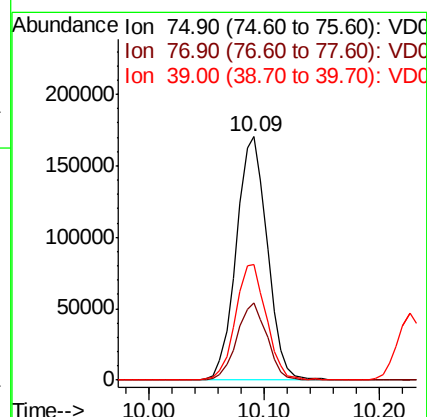
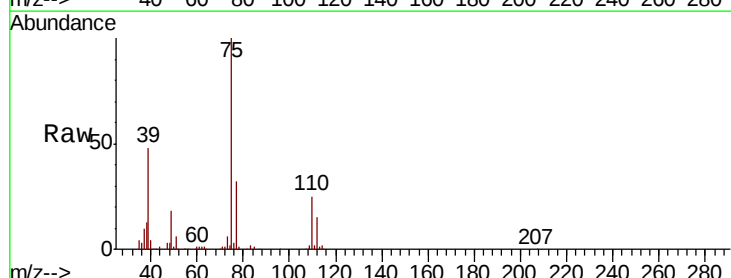
Tgt Ion: 75 Resp: 316588

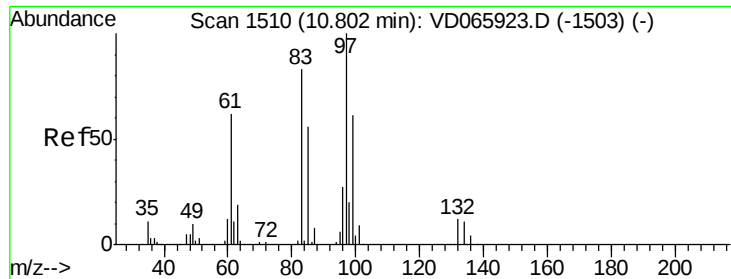
Ion Ratio Lower Upper

75 100

77 31.9 26.6 39.8

39 47.5 39.6 59.4



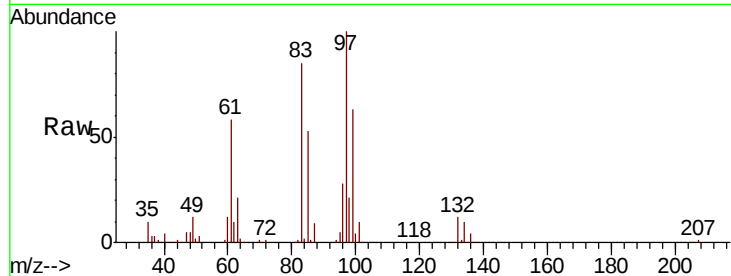


#55
 1,1,2-Trichloroethane
 Concen: 52.224 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 148430

Ion	Ratio	Lower	Upper
97	100		
83	84.6	66.9	100.3
85	52.6	44.5	66.7
99	62.6	49.2	73.8



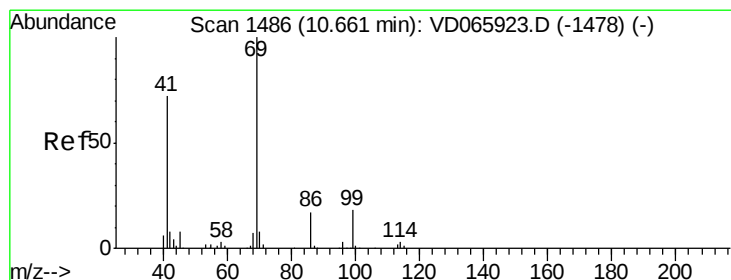
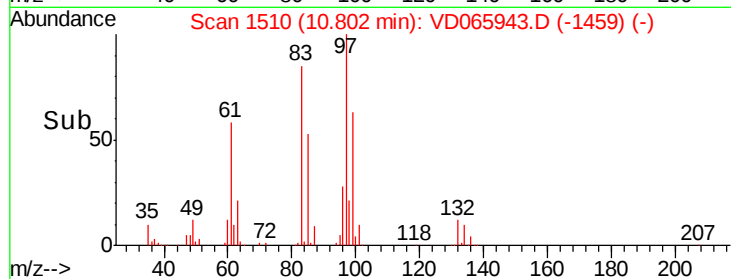
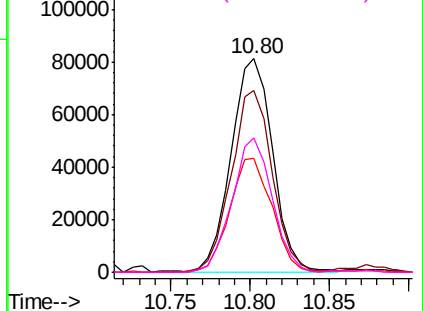
Abundance

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

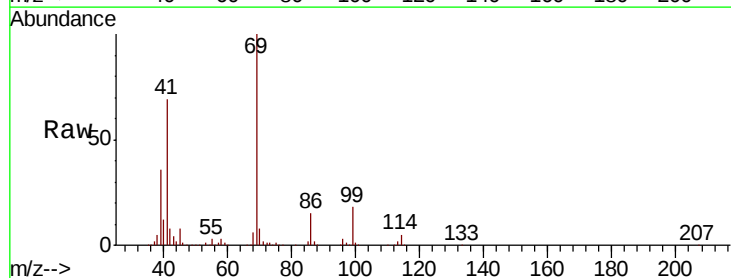
Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 53.518 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Tgt Ion: 69 Resp: 185784

Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.5	84.7
39	34.5	29.2	43.8

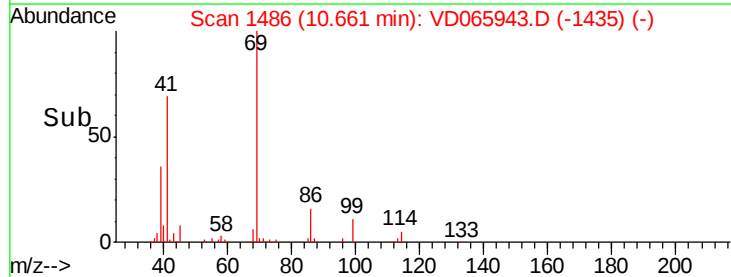
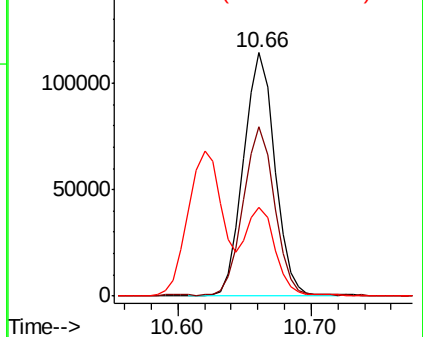


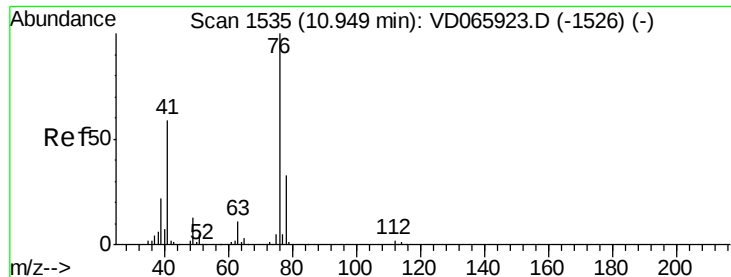
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

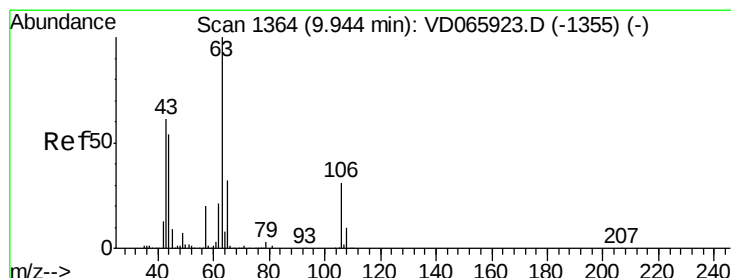
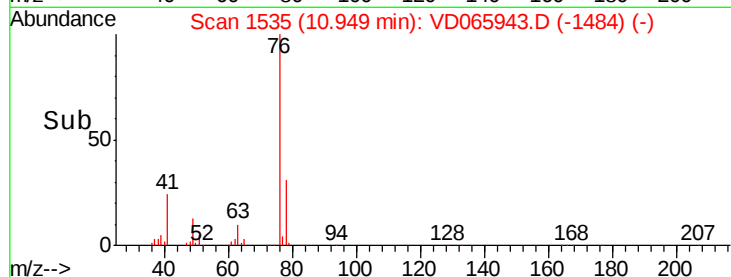
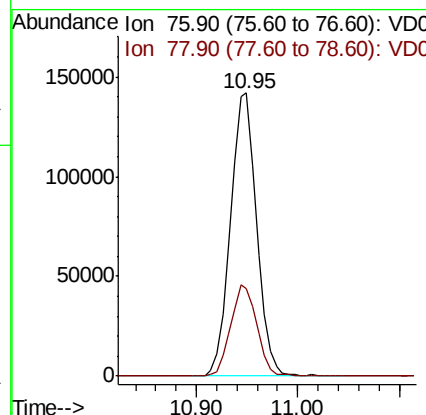
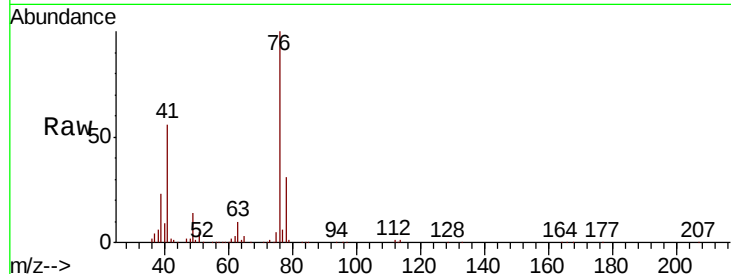




#57
 1,3-Dichloropropane
 Concen: 51.043 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

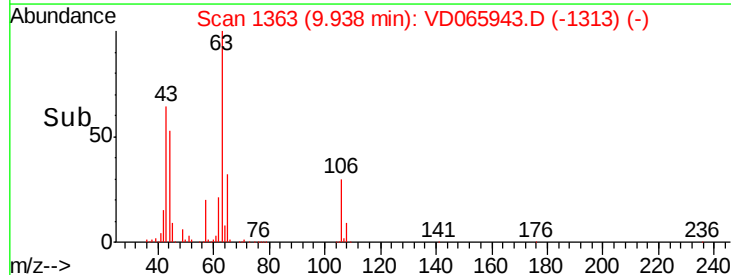
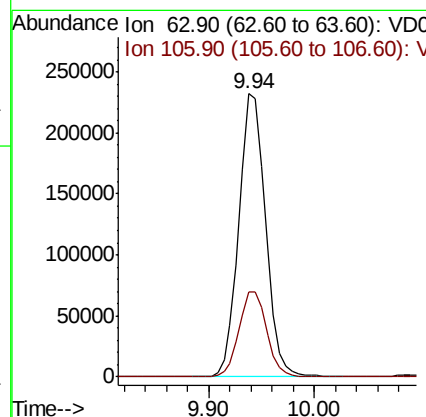
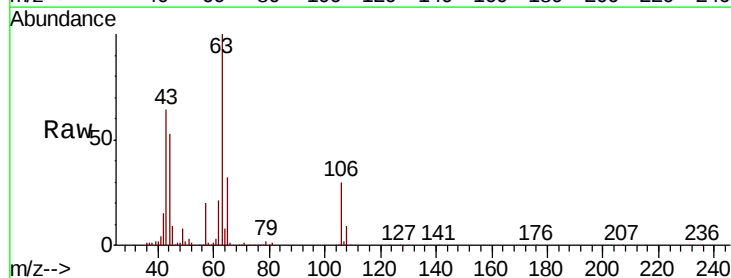
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

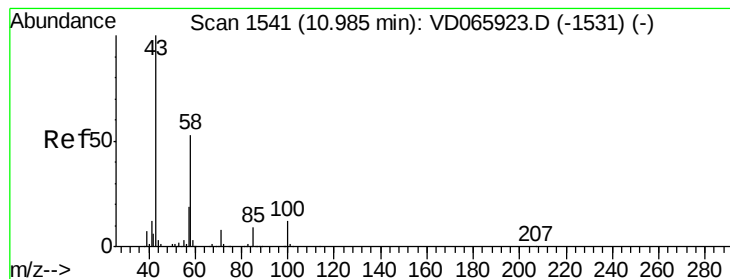
Tot Ion: 76 Resp: 253707
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.651 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Tgt Ion: 63 Resp: 406265
 Ion Ratio Lower Upper
 63 100
 106 31.1 23.8 35.6





#59

2-Hexanone

Concen: 280.576 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

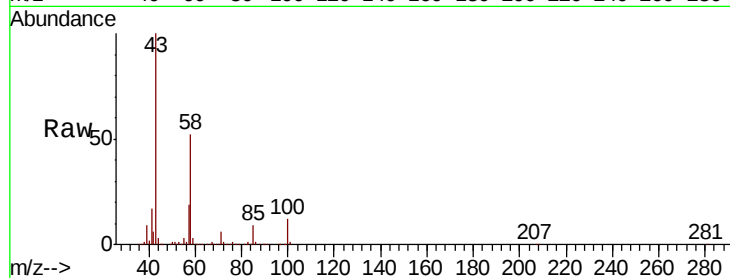
VSTDCCC050

Tot Ion: 43 Resp: 439664

Ion Ratio Lower Upper

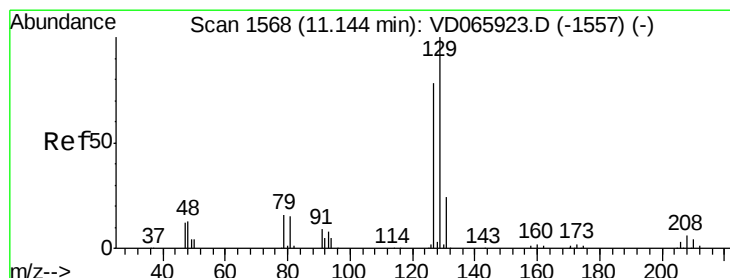
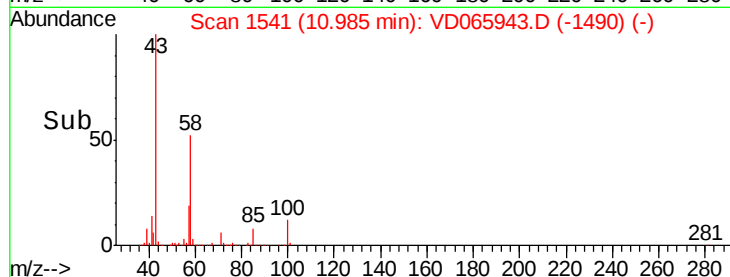
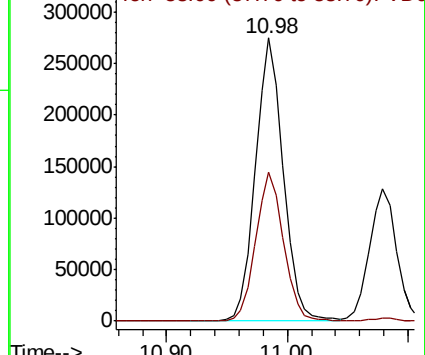
43 100

58 52.7 26.6 79.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 51.050 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VD065943.D

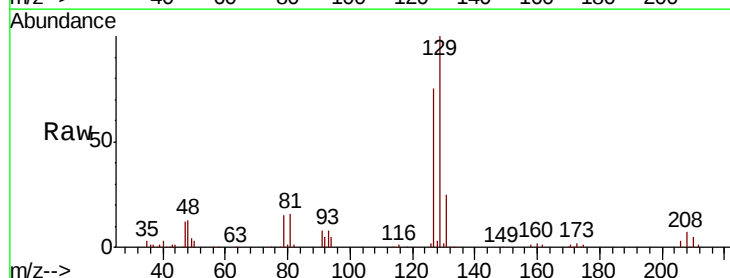
Acq: 10 Jul 2020 11:30

Tgt Ion: 129 Resp: 198235

Ion Ratio Lower Upper

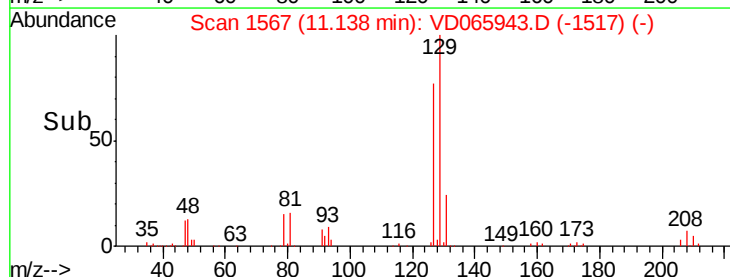
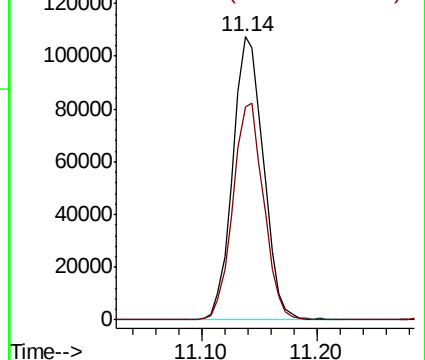
129 100

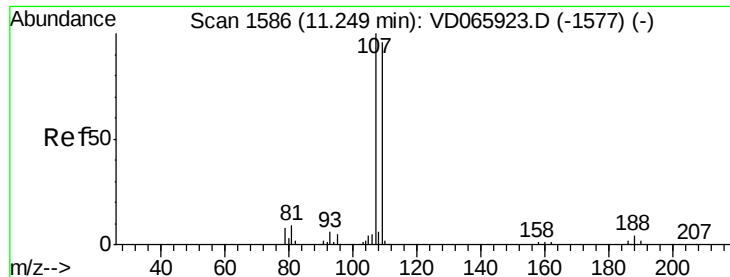
127 76.5 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

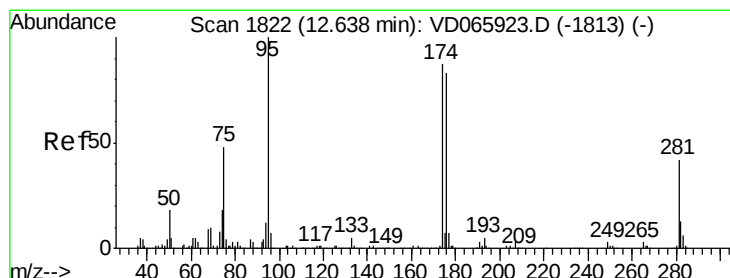
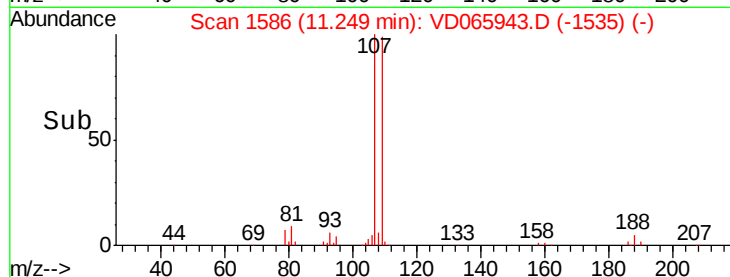
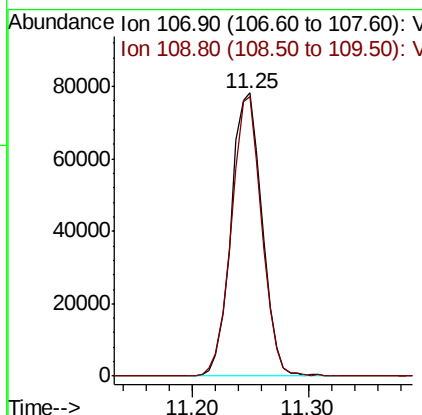
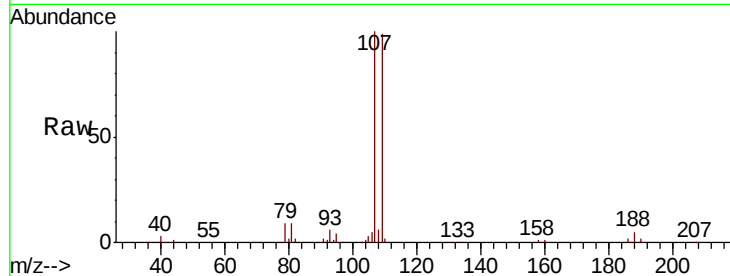




#61
 1,2-Dibromoethane
 Concen: 51.104 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

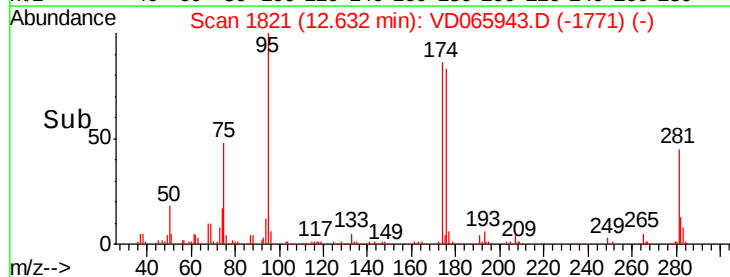
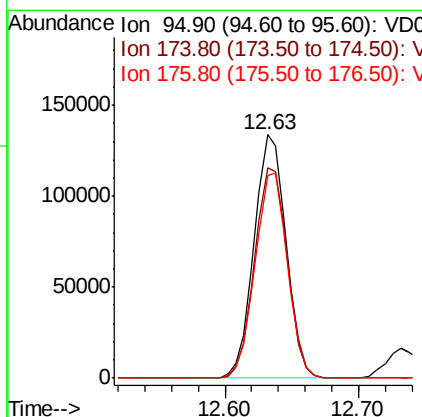
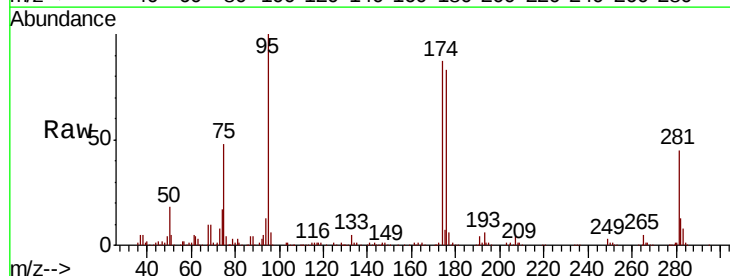
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

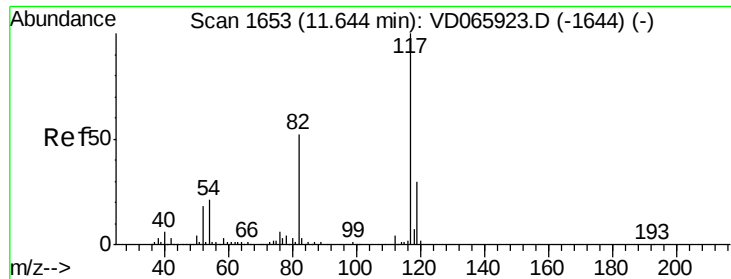
Tot Ion:107 Resp: 144816
 Ion Ratio Lower Upper
 107 100
 109 96.9 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 48.722 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Tgt Ion: 95 Resp: 220339
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 169.4
 176 85.6 0.0 164.0

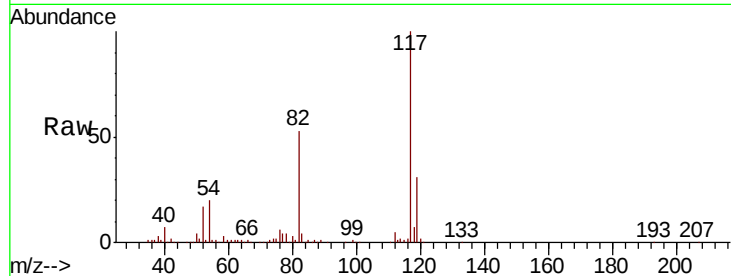




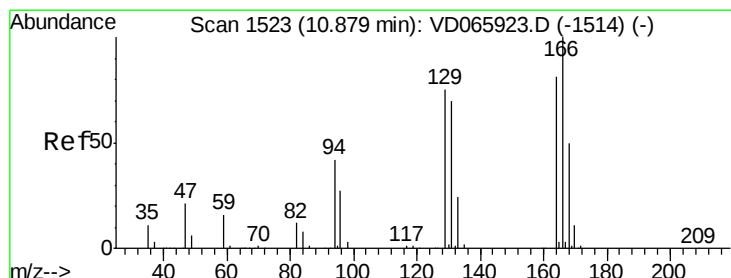
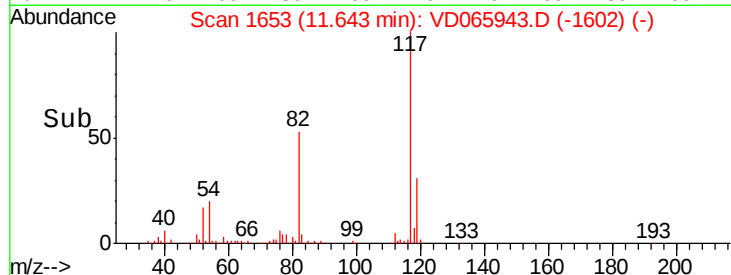
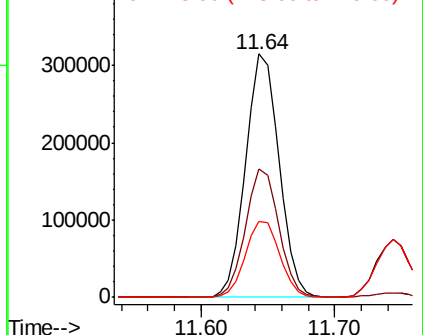
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 547370
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 31.1 24.3 36.5

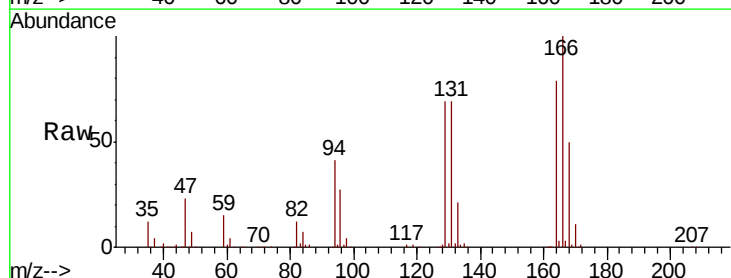


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

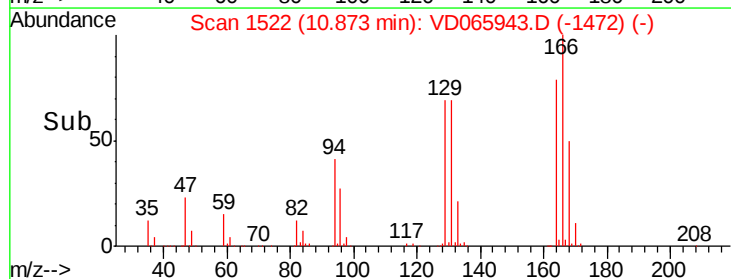
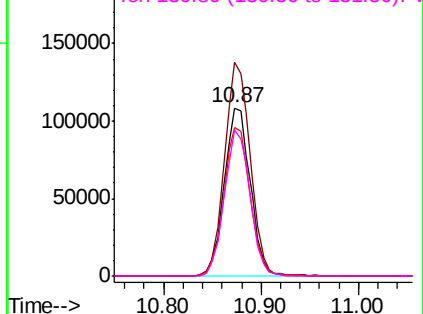


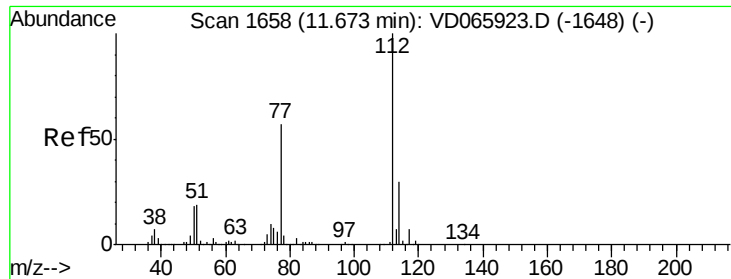
#64
Tetrachloroethene
Concen: 50.111 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion:164 Resp: 199474
Ion Ratio Lower Upper
164 100
166 127.4 99.0 148.4
129 88.4 73.9 110.9
131 87.4 69.6 104.4



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

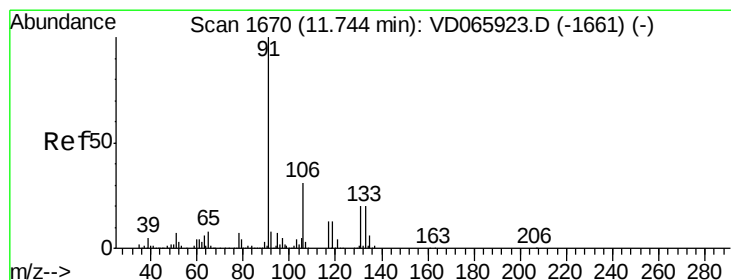
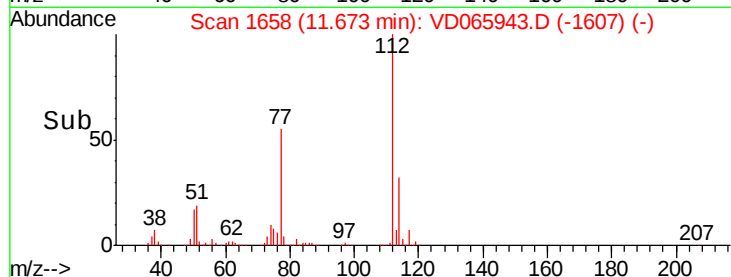
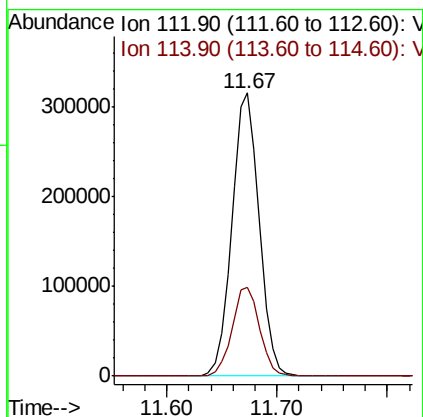
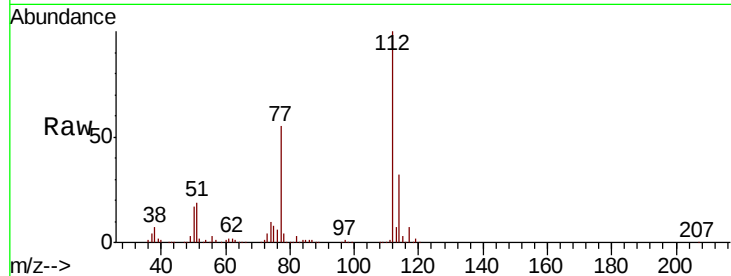




#65
Chlorobenzene
Concen: 49.359 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

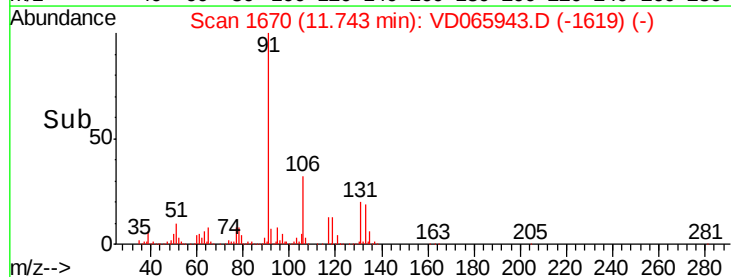
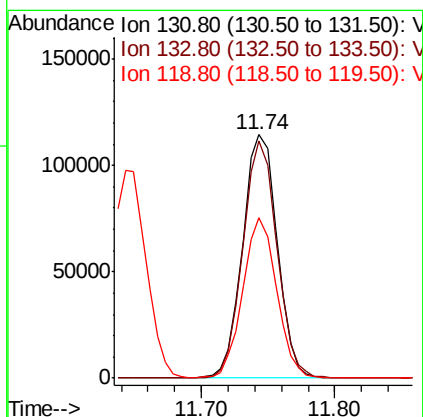
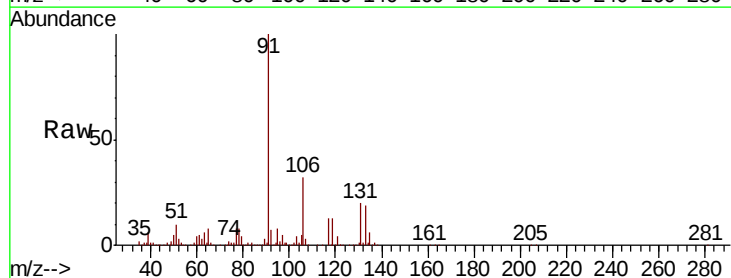
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

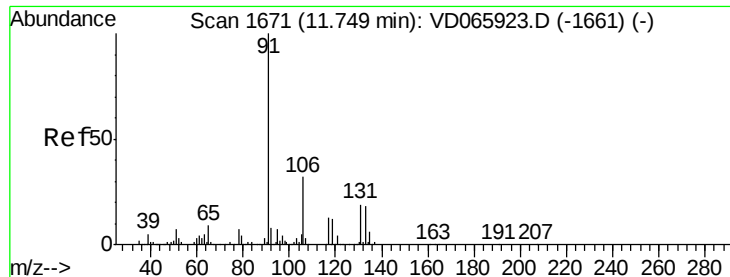
Tot Ion:112 Resp: 544456
Ion Ratio Lower Upper
112 100
114 31.6 24.2 36.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.624 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion:131 Resp: 204735
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.6
119 64.7 31.9 95.9





#67

Ethyl Benzene

Concen: 49.629 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

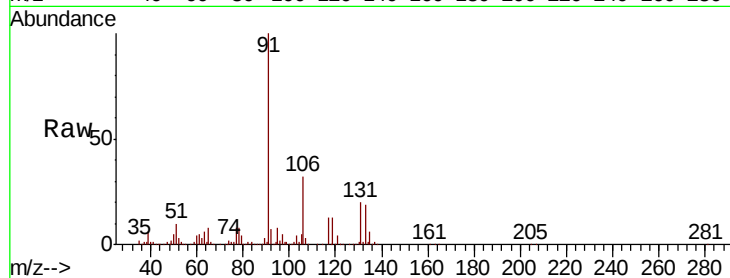
VSTDCCC050

Tot Ion: 91 Resp: 972536

Ion Ratio Lower Upper

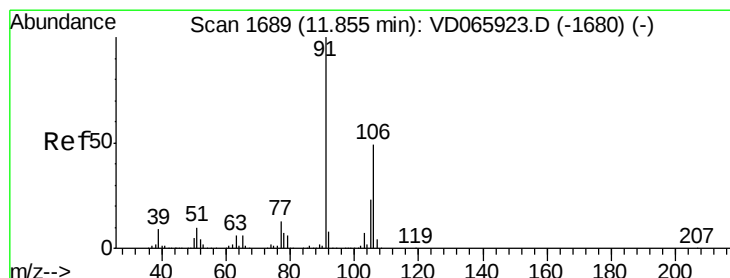
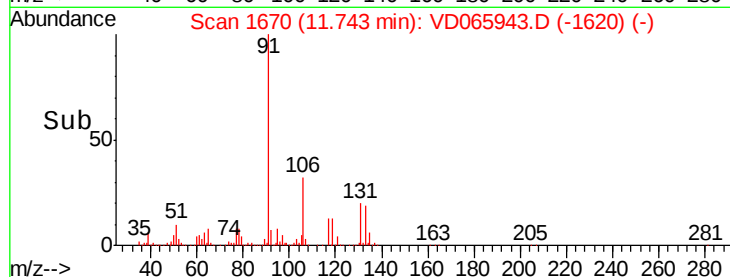
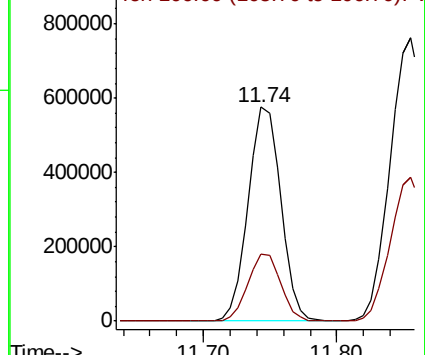
91 100

106 31.7 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.674 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065943.D

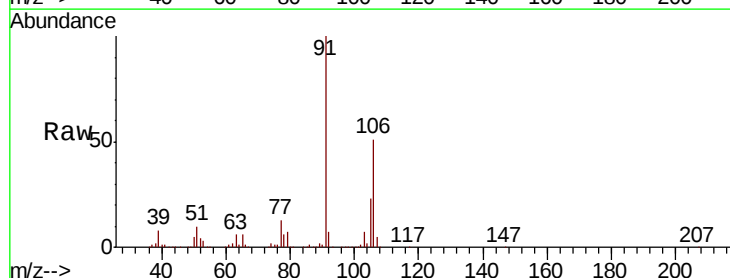
Acq: 10 Jul 2020 11:30

Tgt Ion: 106 Resp: 749527

Ion Ratio Lower Upper

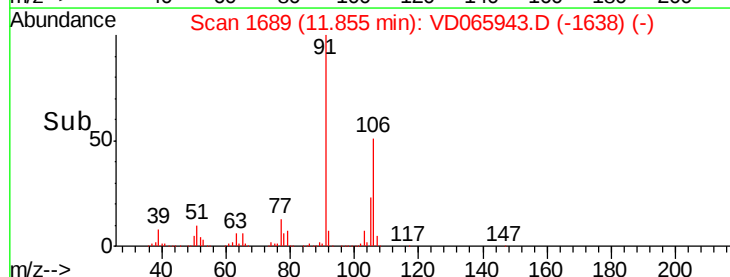
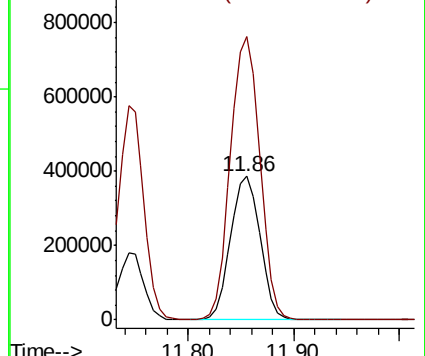
106 100

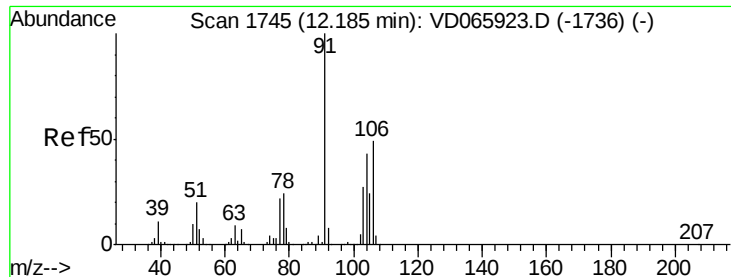
91 196.0 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

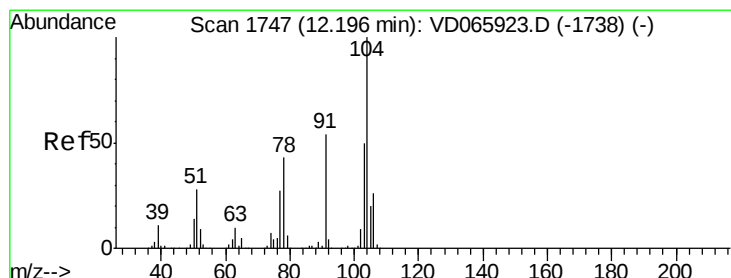
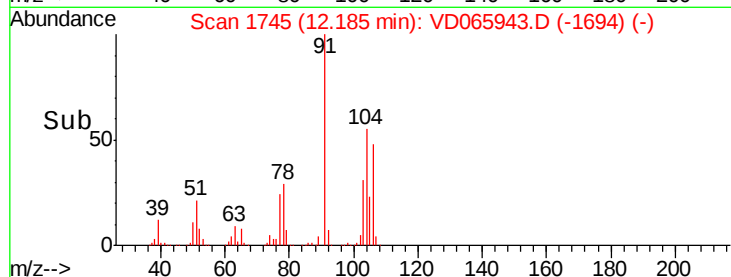
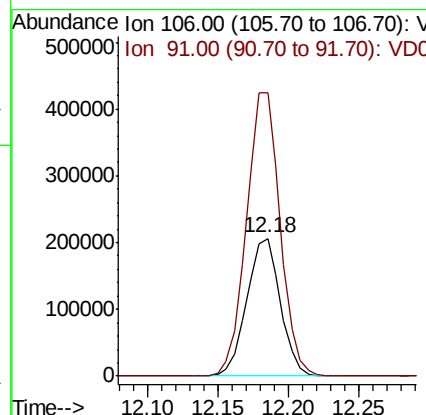
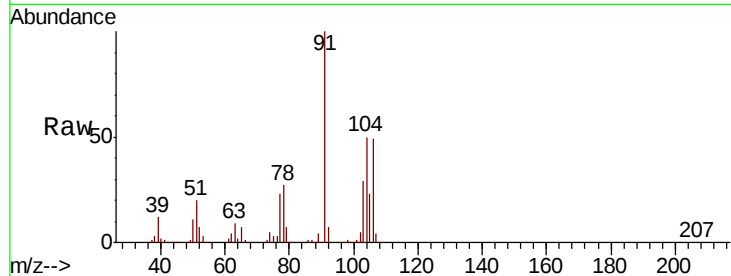




#69
o-Xylene
Concen: 50.617 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

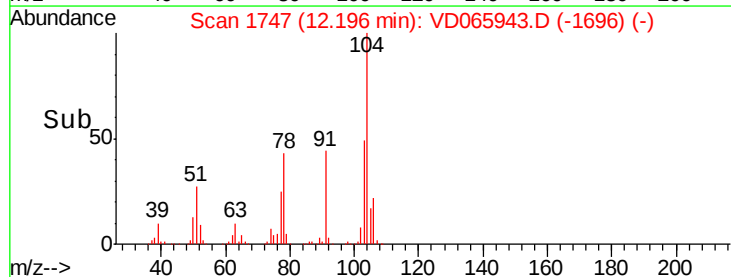
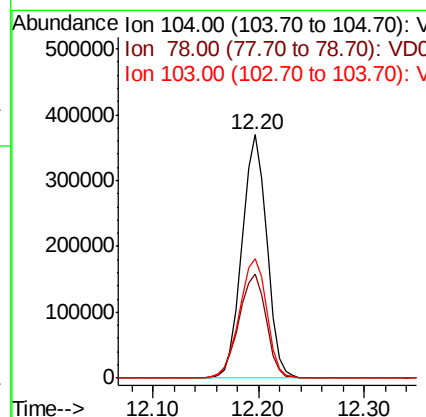
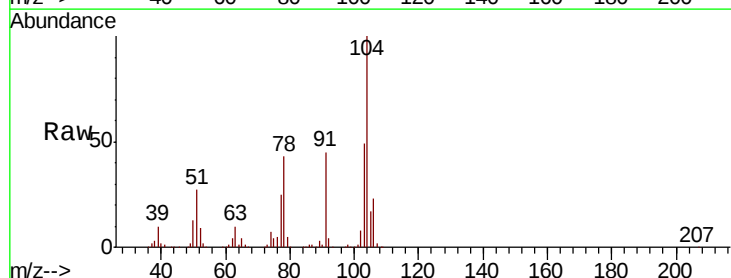
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

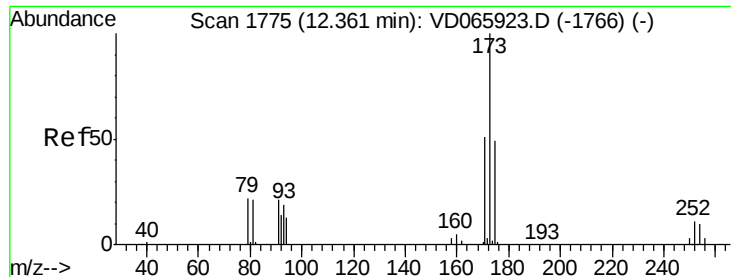
Tot Ion:106 Resp: 343287
Ion Ratio Lower Upper
106 100
91 207.1 104.1 312.2



#70
Styrene
Concen: 51.241 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion:104 Resp: 599909
Ion Ratio Lower Upper
104 100
78 47.0 38.8 58.2
103 53.9 43.6 65.4





#71

Bromoform

Concen: 50.492 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

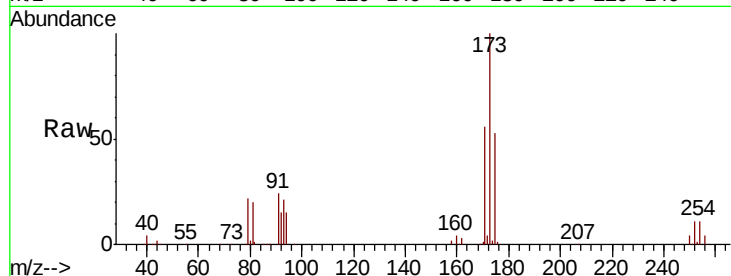
Tot Ion:173 Resp: 117875

Ion Ratio Lower Upper

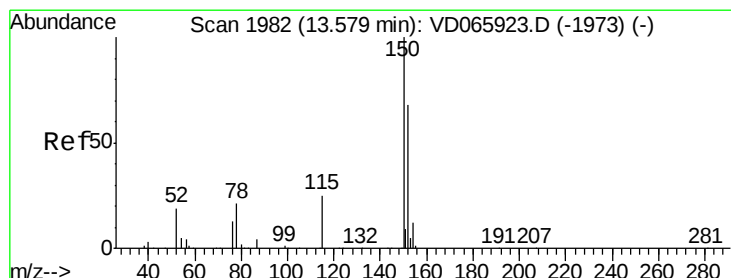
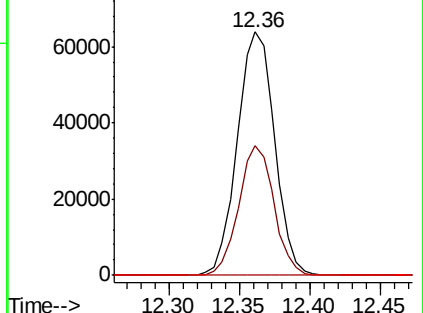
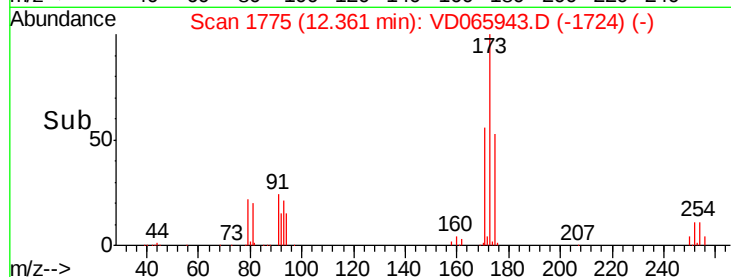
173 100

175 50.4 24.2 72.6

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: VD065943.D

Acq: 10 Jul 2020 11:30

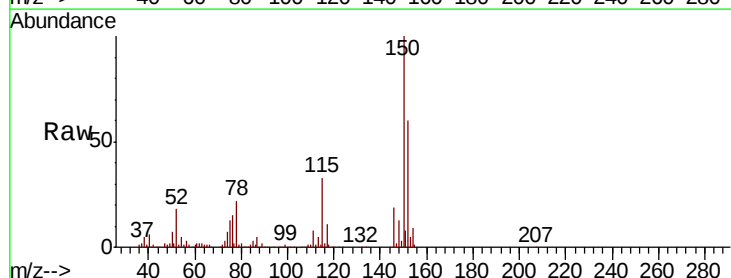
Tgt Ion:152 Resp: 267478

Ion Ratio Lower Upper

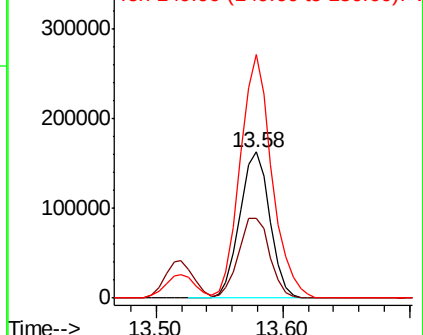
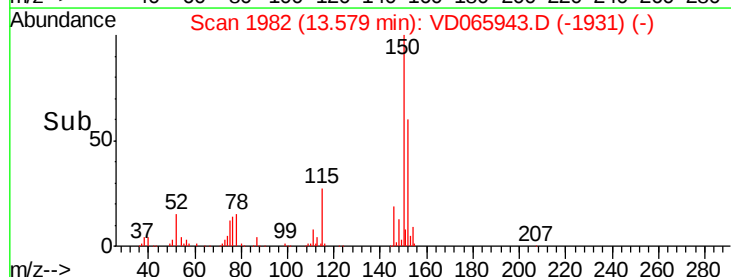
152 100

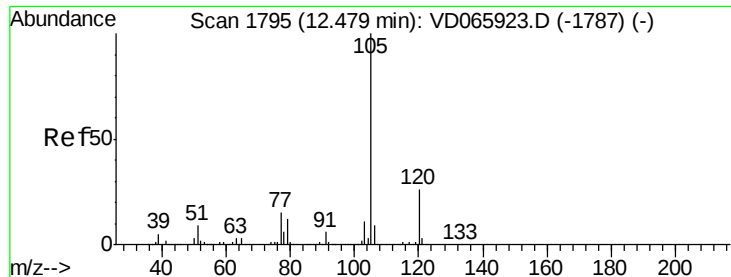
115 57.1 27.8 83.3

150 175.2 0.0 347.2



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: 51.049 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

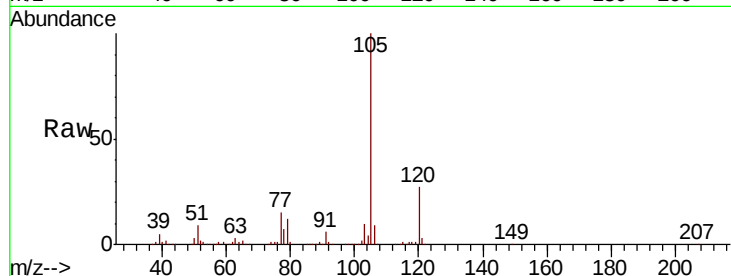
VSTDCCC050

Tot Ion:105 Resp: 952963

Ion Ratio Lower Upper

105 100

120 27.0 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

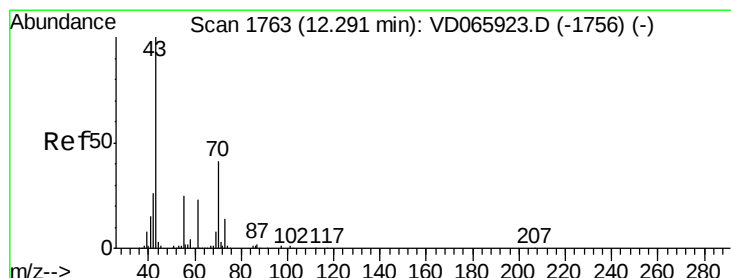
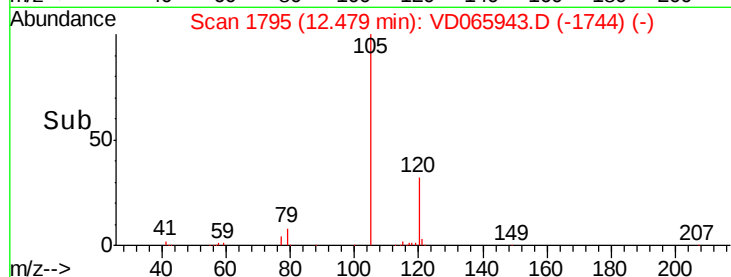
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.043 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Tgt Ion: 43 Resp: 218004

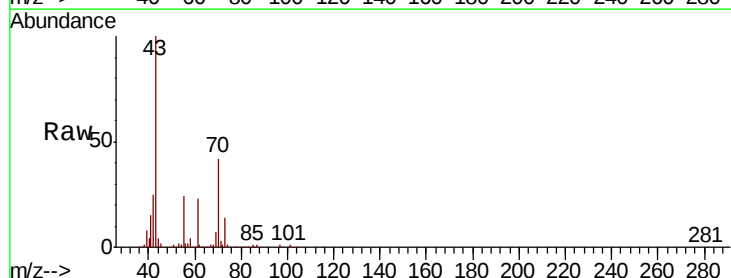
Ion Ratio Lower Upper

43 100

70 42.0 33.6 50.4

55 24.0 20.1 30.1

61 23.6 18.9 28.3



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

200000

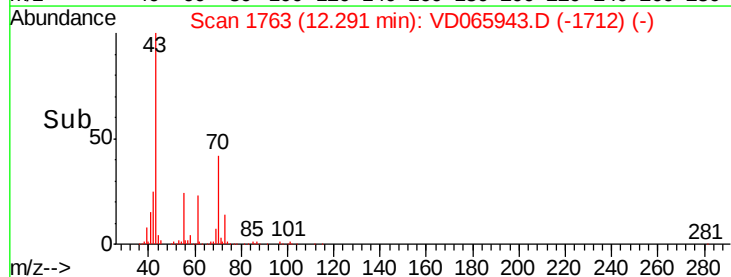
150000

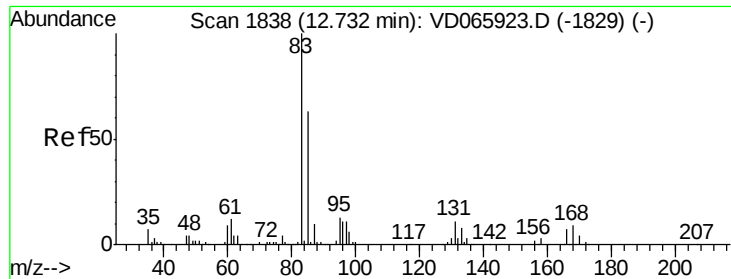
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.987 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

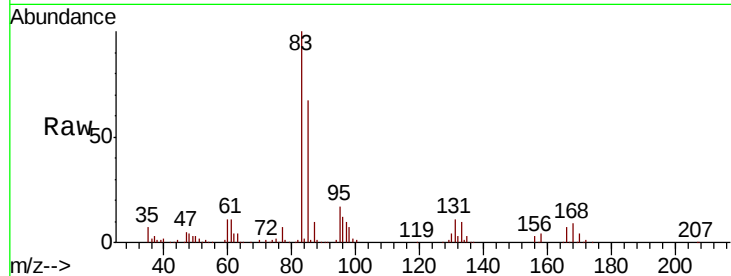
Tot Ion: 83 Resp: 158016

Ion Ratio Lower Upper

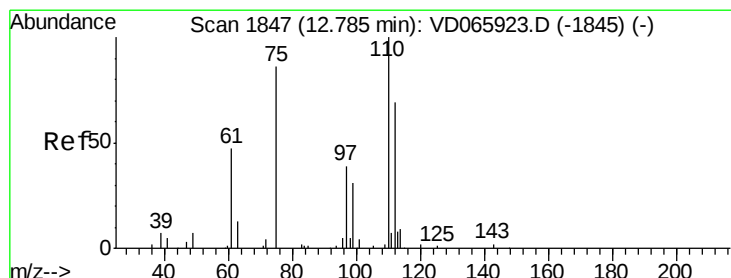
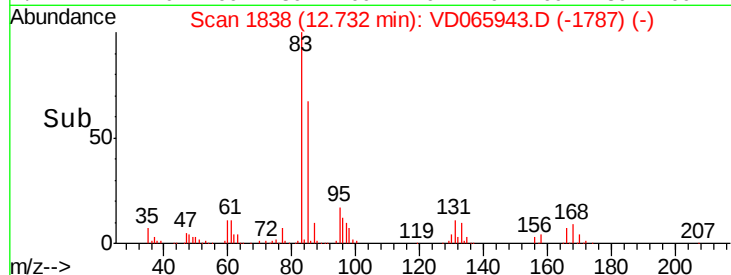
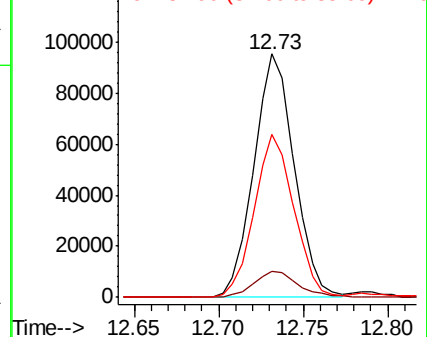
83 100

131 11.7 5.6 16.8

85 65.6 32.6 98.0



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



#76

1,2,3-Trichloropropane

Concen: 47.304 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD065943.D

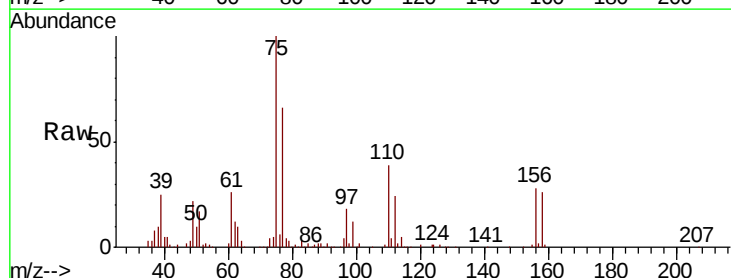
Acq: 10 Jul 2020 11:30

Tgt Ion: 75 Resp: 106141

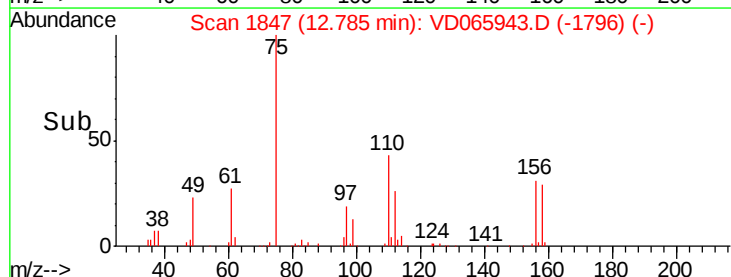
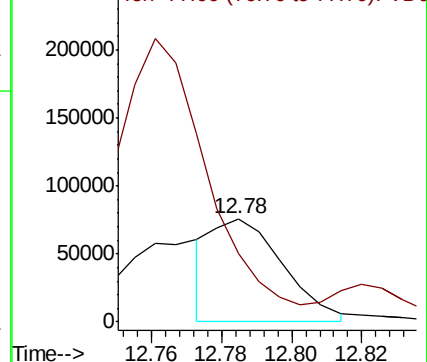
Ion Ratio Lower Upper

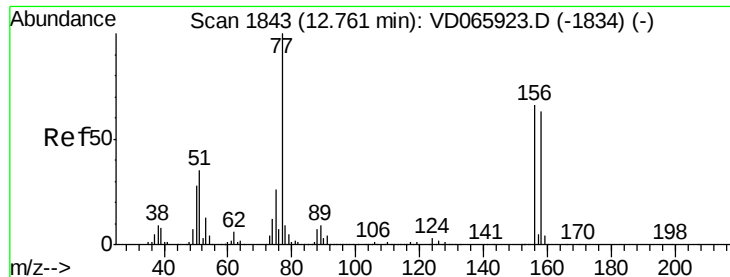
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 50.867 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

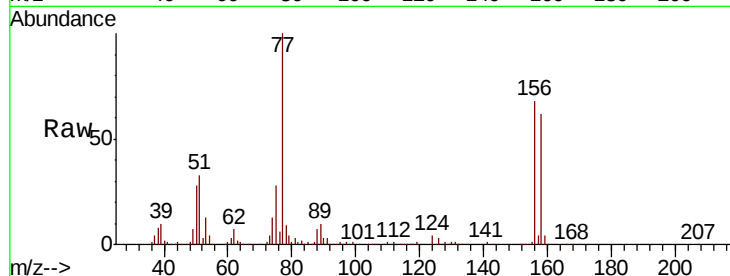
Tot Ion:156 Resp: 230307

Ion Ratio Lower Upper

156 100

77 170.0 85.0 255.0

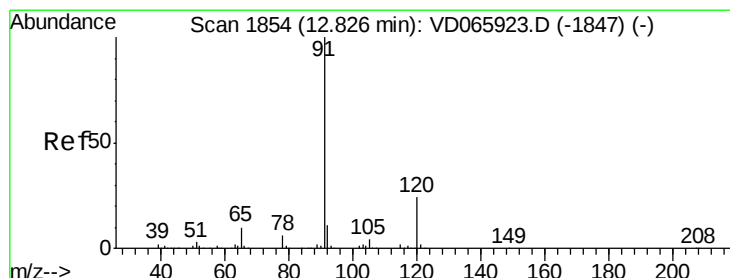
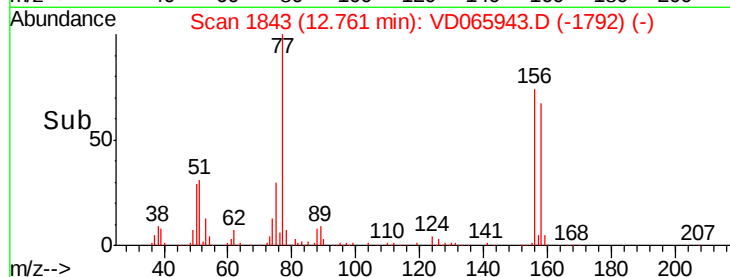
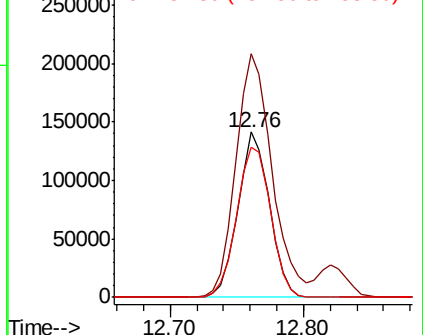
158 98.2 49.0 147.0



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: 50.537 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065943.D

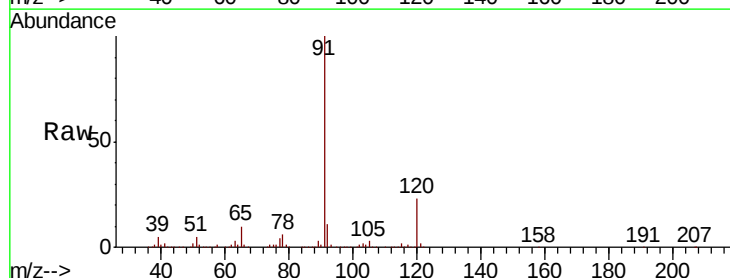
Acq: 10 Jul 2020 11:30

Tgt Ion: 91 Resp: 1106047

Ion Ratio Lower Upper

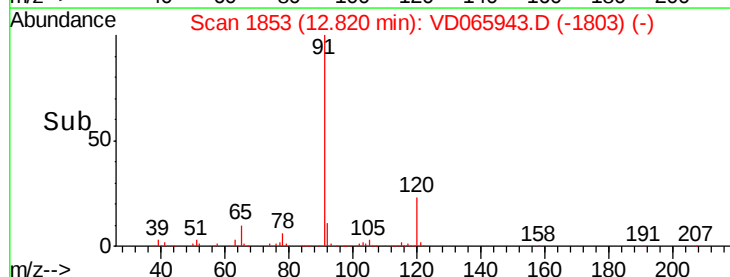
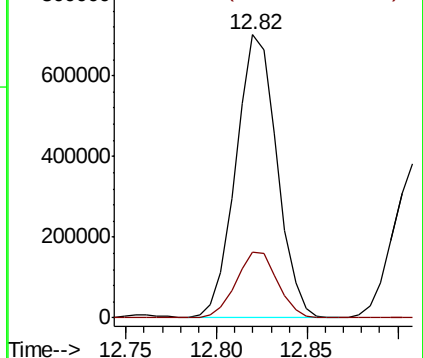
91 100

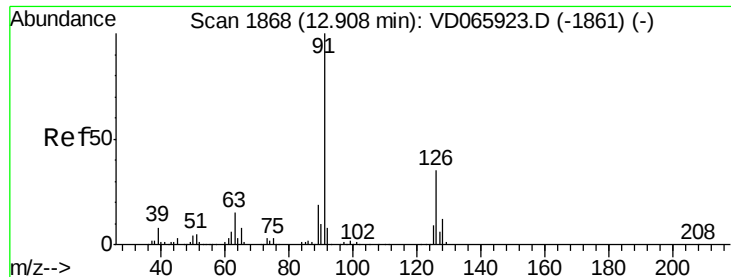
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.056 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

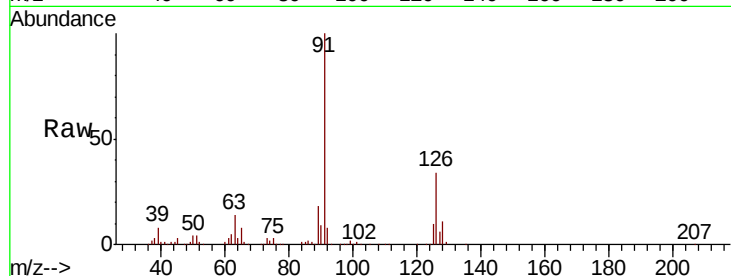
VSTDCCC050

Tot Ion: 91 Resp: 621496

Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD065923.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD065923.D (-1861) (-)

600000

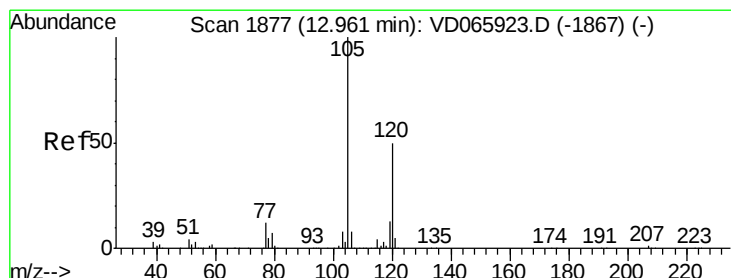
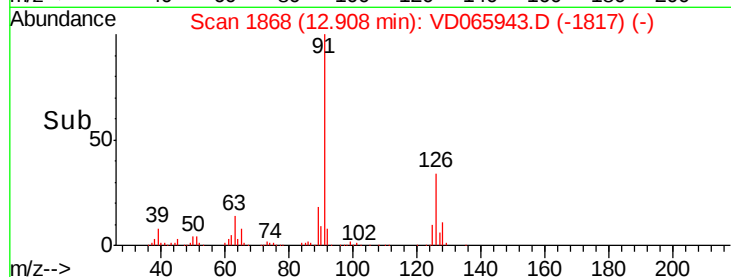
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.829 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD065943.D

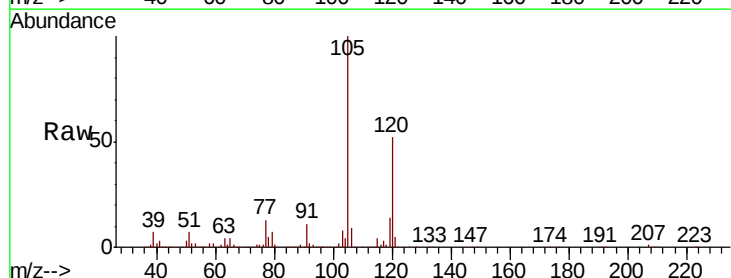
Acq: 10 Jul 2020 11:30

Tgt Ion:105 Resp: 776095

Ion Ratio Lower Upper

105 100

120 50.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065923.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD065923.D (-1867) (-)

500000

400000

300000

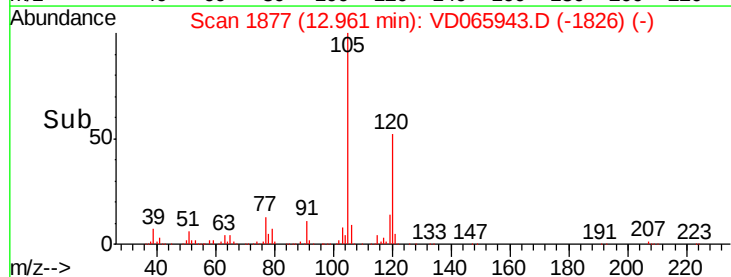
200000

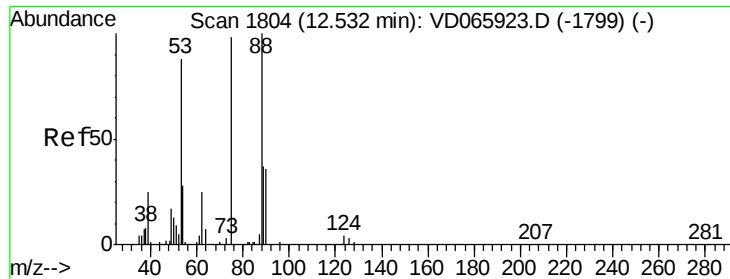
100000

0

12.90 12.95 13.00

Time-->

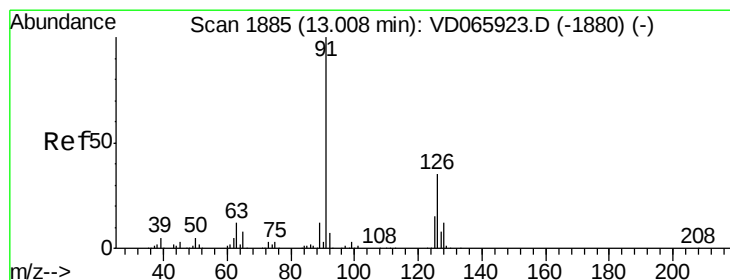
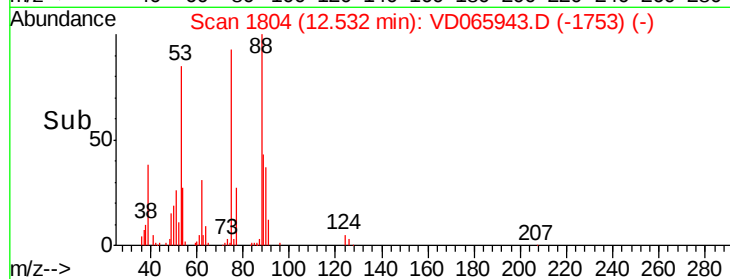
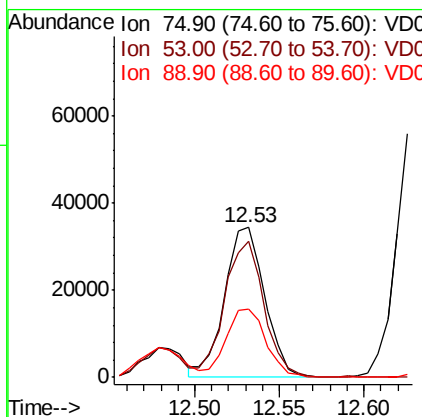
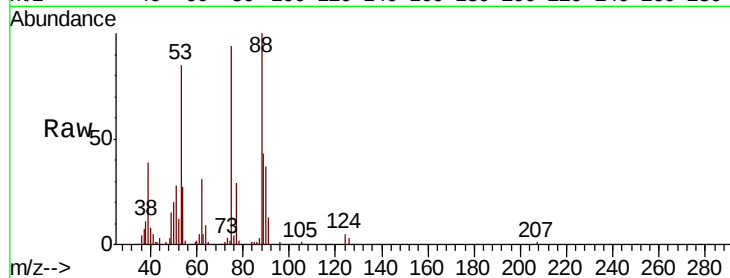




#81
trans-1,4-Dichloro-2-butene
Concen: 54.582 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

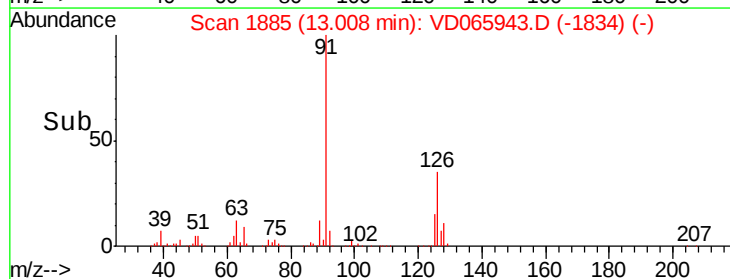
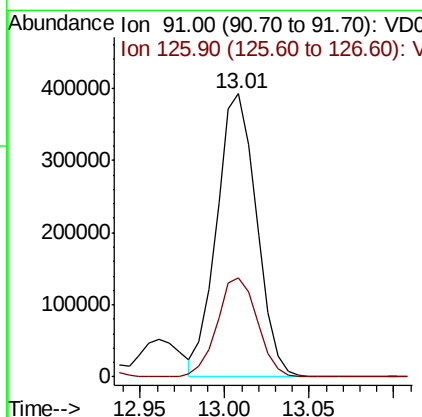
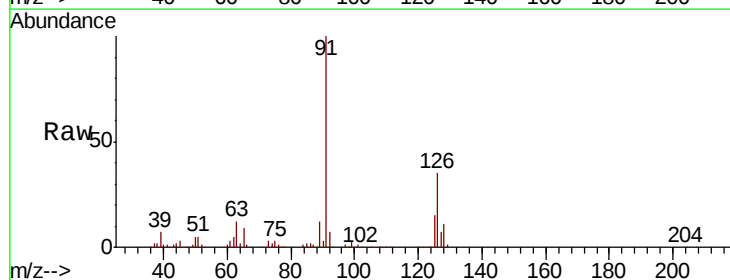
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

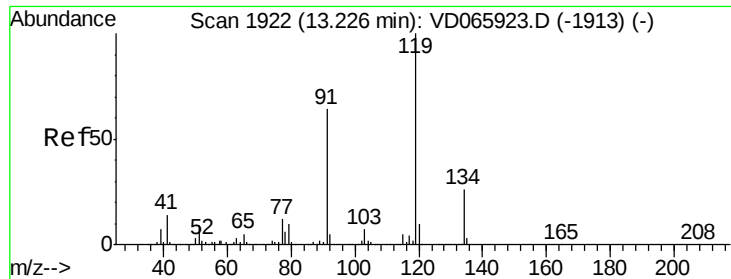
Tot Ion: 75 Resp: 56997
Ion Ratio Lower Upper
75 100
53 88.6 75.8 113.8
89 45.6 37.5 56.3



#82
4-Chlorotoluene
Concen: 49.401 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion: 91 Resp: 643524
Ion Ratio Lower Upper
91 100
126 35.5 17.3 51.7

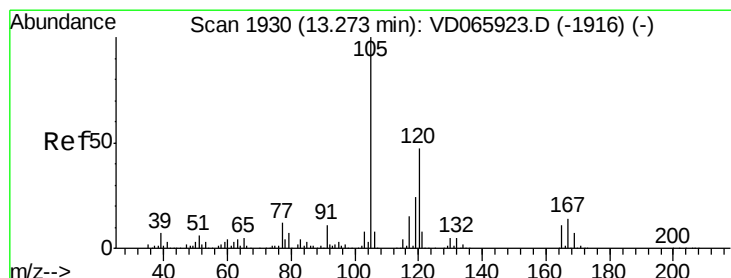
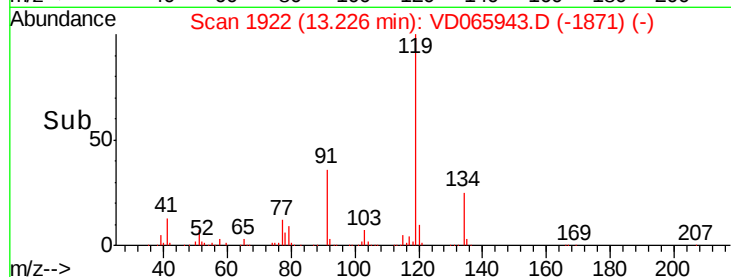
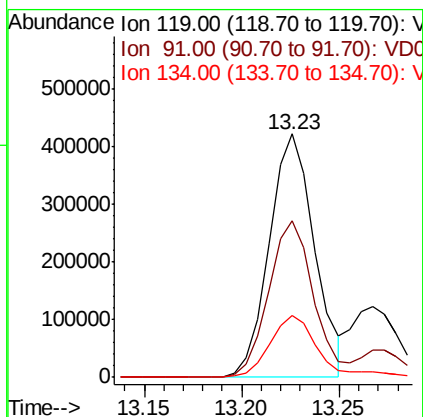
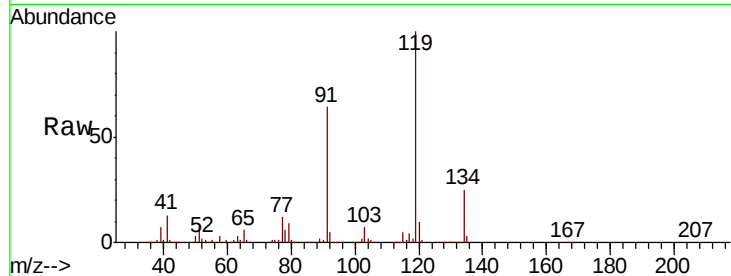




#83
 tert-Butylbenzene
 Concen: 52.139 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

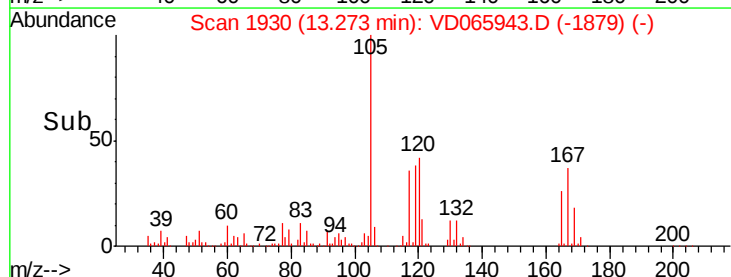
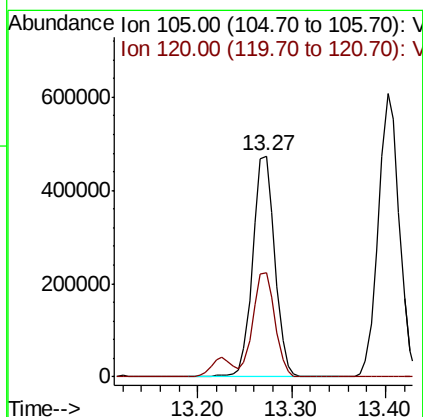
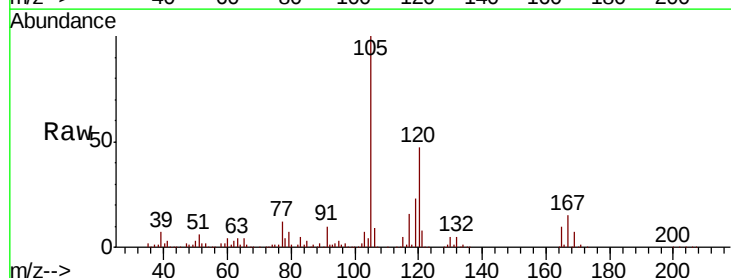
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

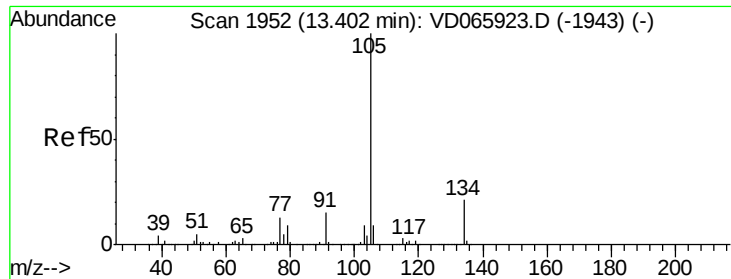
Tot Ion:119 Resp: 678252
 Ion Ratio Lower Upper
 119 100
 91 64.2 32.4 97.2
 134 27.0 14.1 42.4



#84
 1,2,4-Trimethylbenzene
 Concen: 50.736 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Tgt Ion:105 Resp: 771129
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.2 69.5





#85

sec-Butylbenzene

Concen: 50.873 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

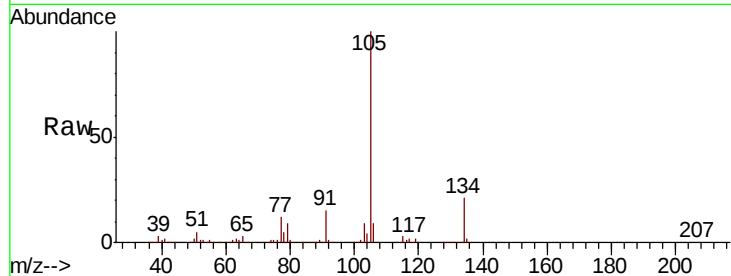
VSTDCCC050

Tot Ion:105 Resp: 937876

Ion Ratio Lower Upper

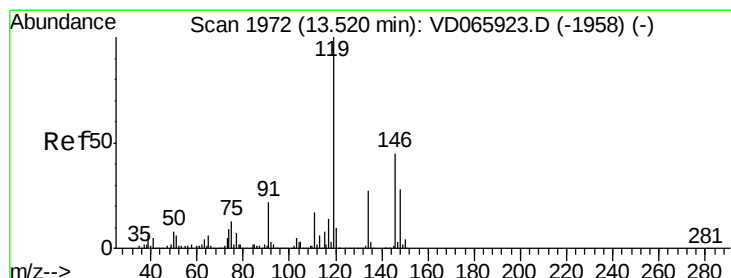
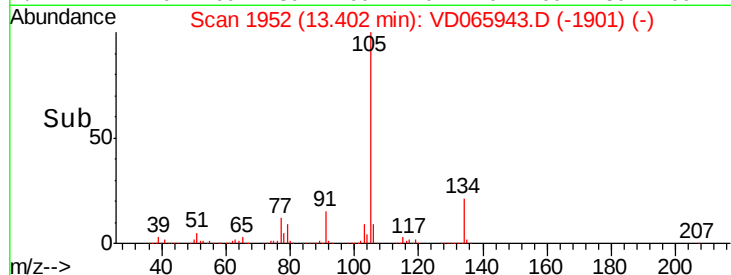
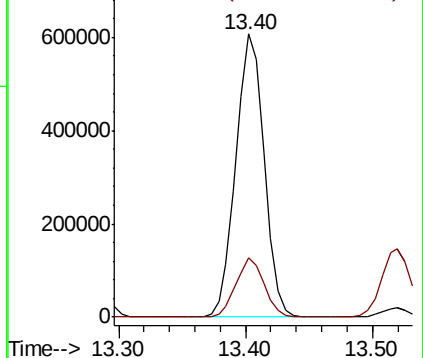
105 100

134 20.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.668 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

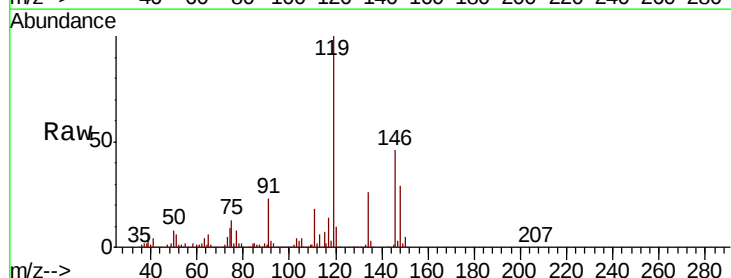
Tgt Ion:119 Resp: 871232

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

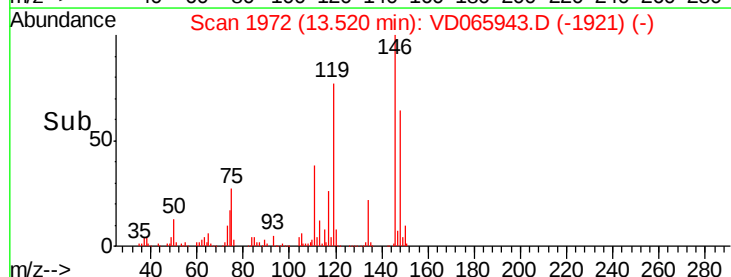
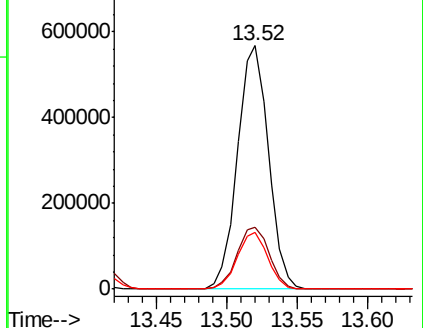
91 23.1 11.3 33.8

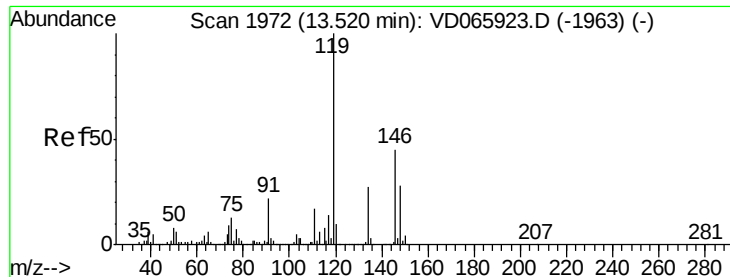


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.506 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

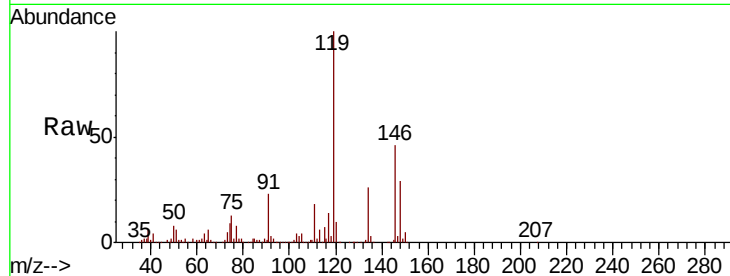
Tot Ion:146 Resp: 427900

Ion Ratio Lower Upper

146 100

111 38.5 19.3 57.8

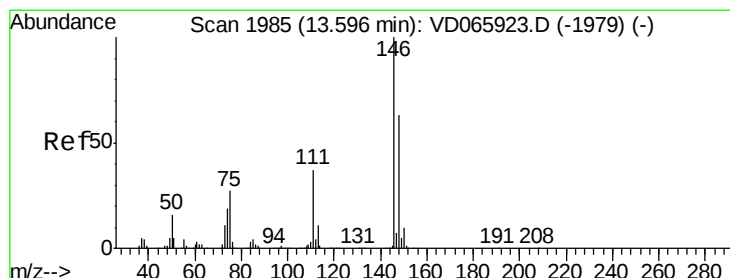
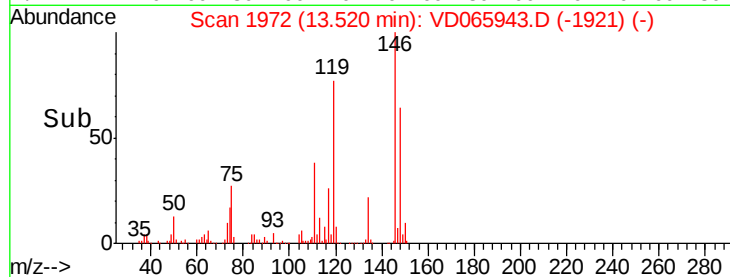
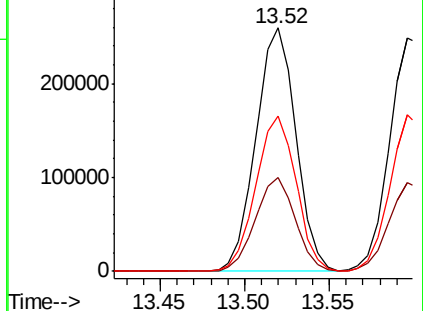
148 64.4 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 50.170 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

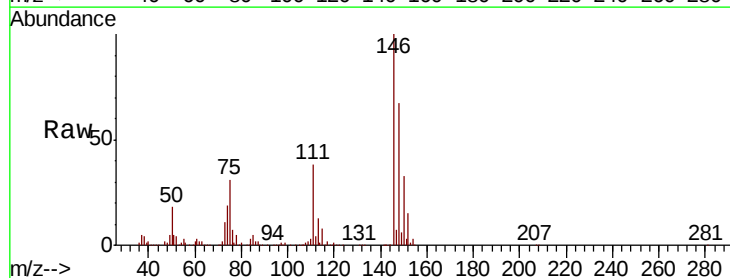
Tgt Ion:146 Resp: 424055

Ion Ratio Lower Upper

146 100

111 37.5 18.9 56.7

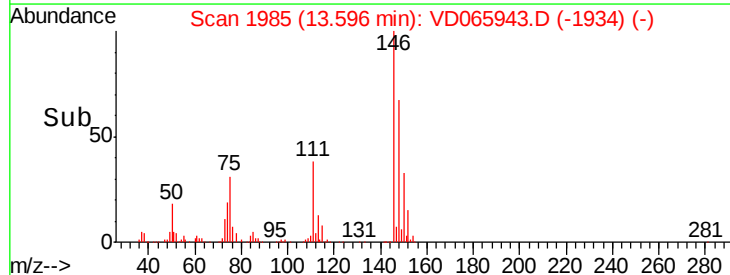
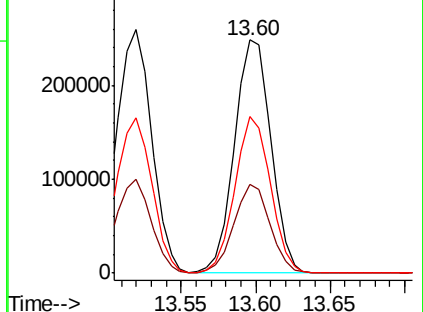
148 65.1 32.1 96.3

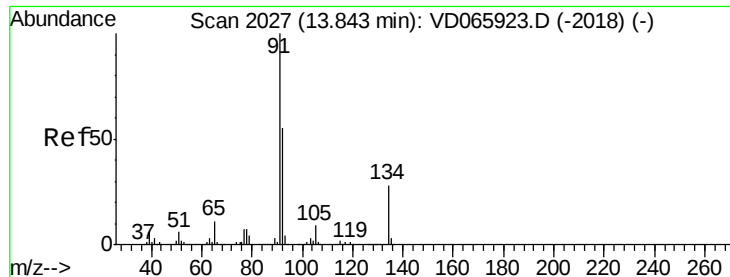


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

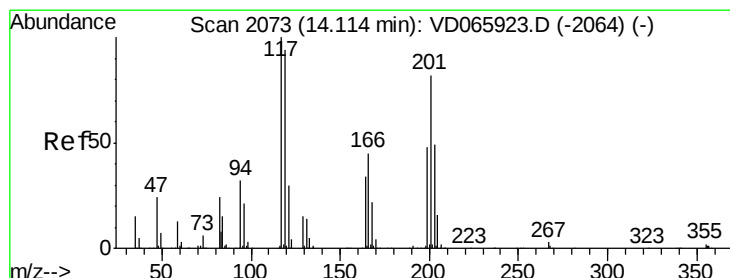
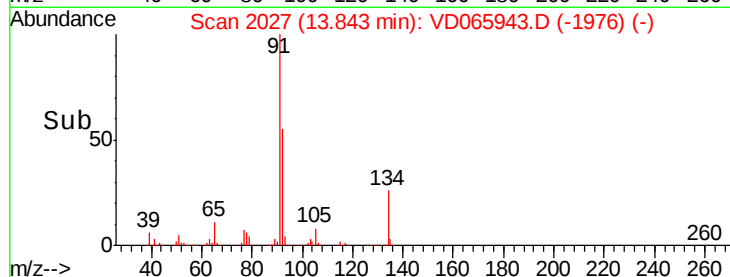
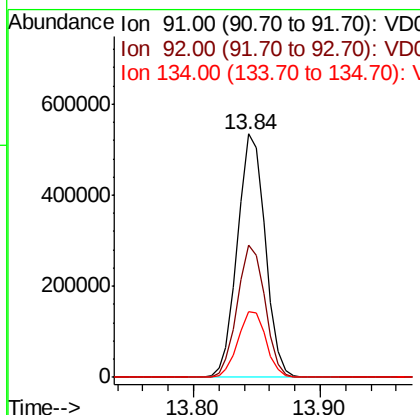
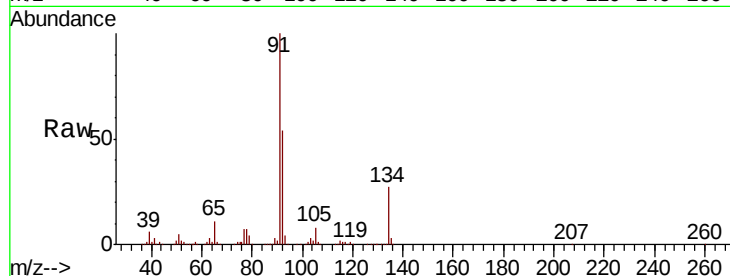




#89
n-Butylbenzene
Concen: 51.163 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

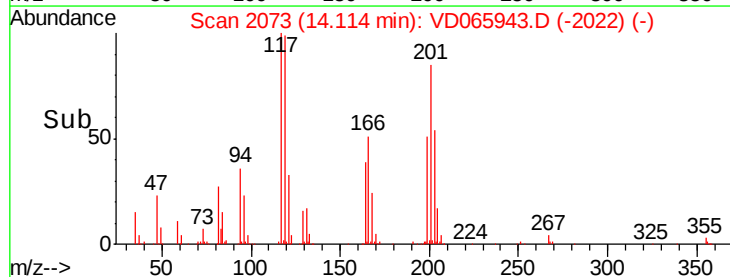
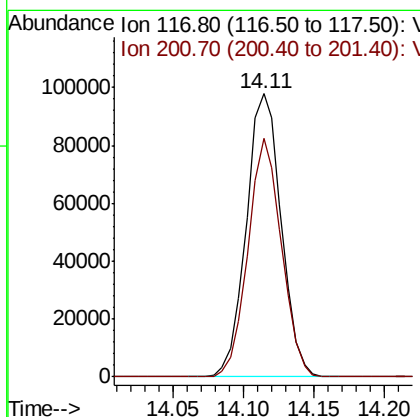
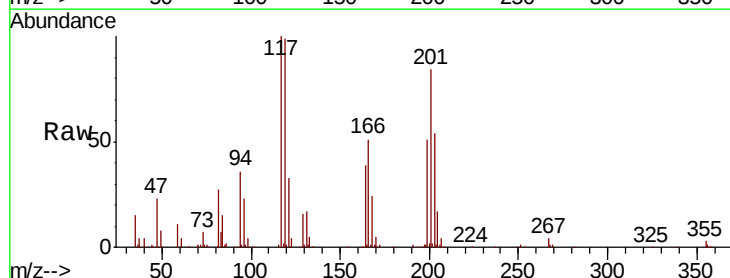
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

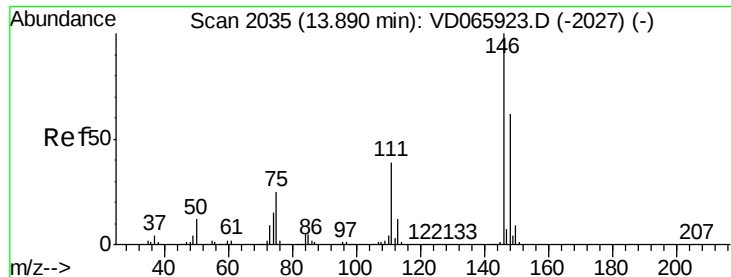
Tot Ion: 91 Resp: 810143
Ion Ratio Lower Upper
91 100
92 54.2 27.2 81.6
134 27.3 13.8 41.3



#90
Hexachloroethane
Concen: 49.924 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion: 117 Resp: 169757
Ion Ratio Lower Upper
117 100
201 80.8 40.0 120.0





#91

1,2-Dichlorobenzene

Concen: 50.773 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

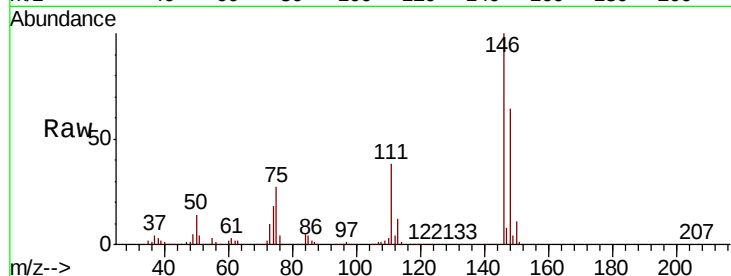
Tot Ion:146 Resp: 375972

Ion Ratio Lower Upper

146 100

111 39.0 19.7 59.0

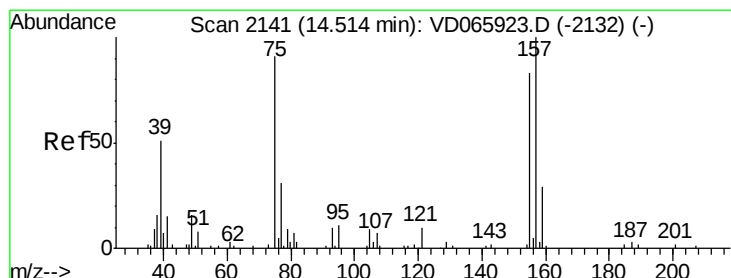
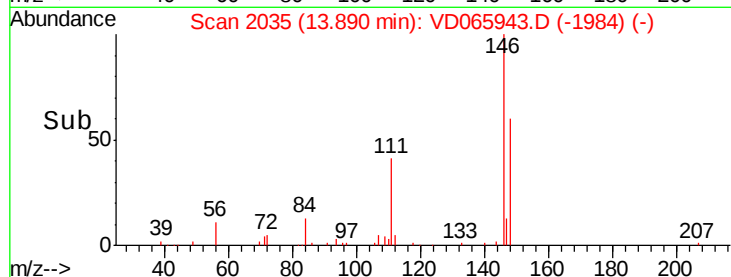
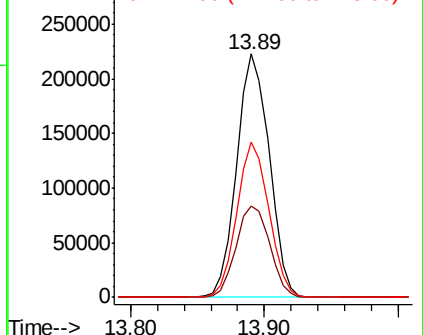
148 62.9 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.679 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD065943.D

Acq: 10 Jul 2020 11:30

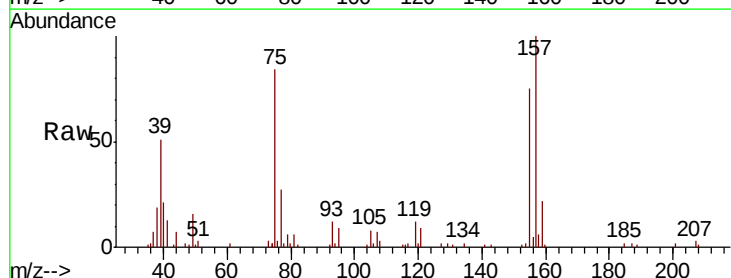
Tgt Ion: 75 Resp: 26263

Ion Ratio Lower Upper

75 100

155 95.4 45.3 135.8

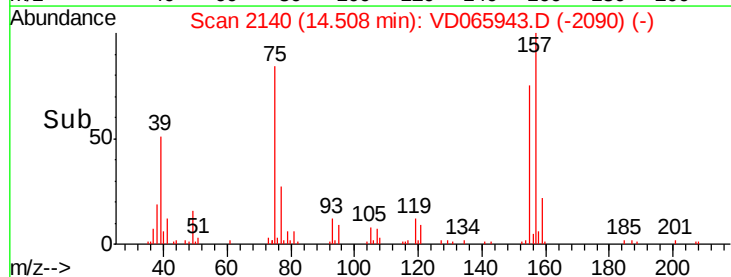
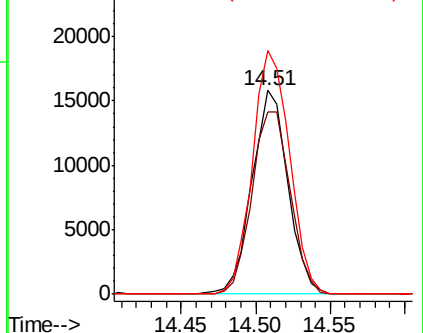
157 123.6 56.9 170.6

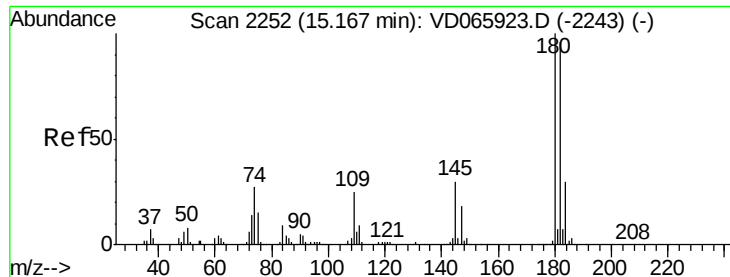


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

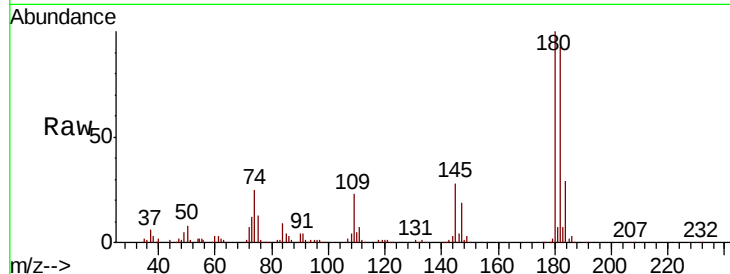




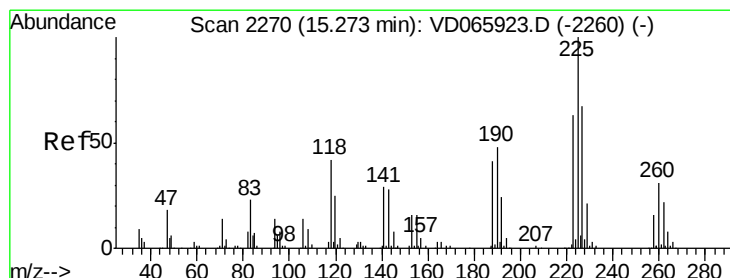
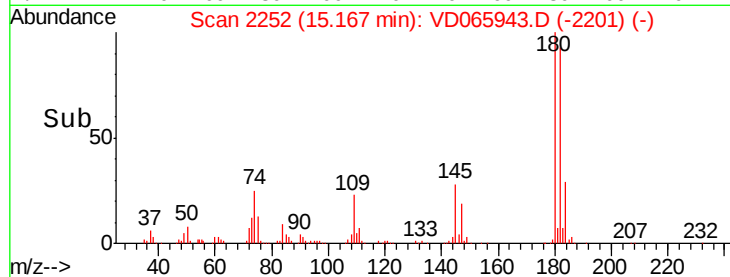
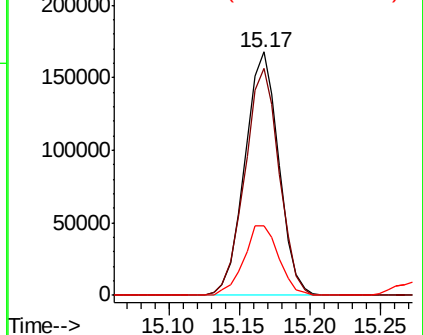
#93
 1,2,4-Trichlorobenzene
 Concen: 53.455 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.5	145.6
145	29.4	15.0	45.1

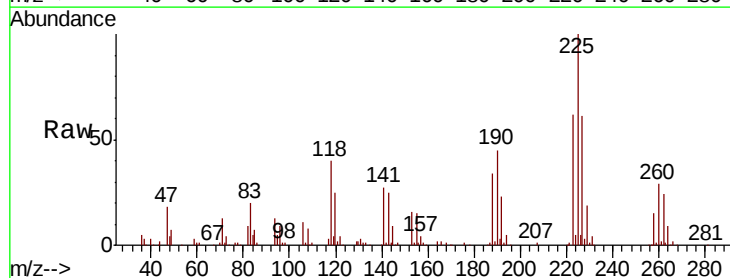


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

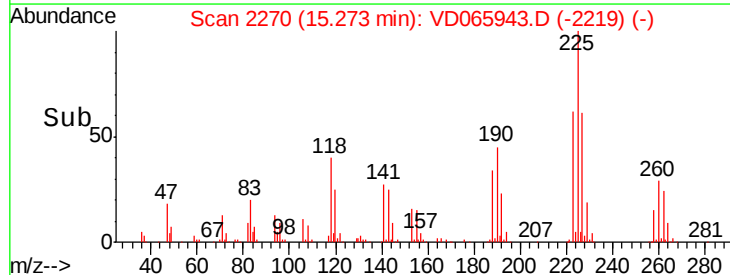
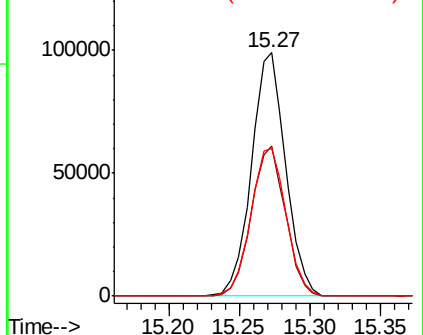


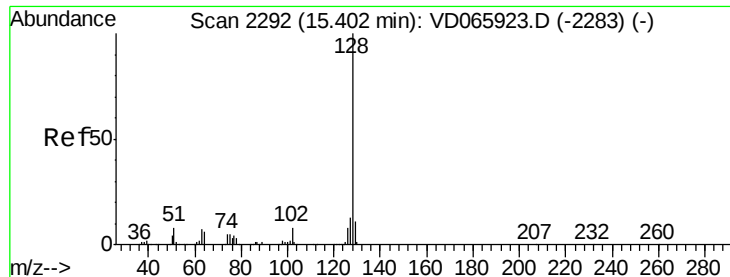
#94
 Hexachlorobutadiene
 Concen: 52.764 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065943.D
 Acq: 10 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.1	93.2
227	62.4	31.6	95.0



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

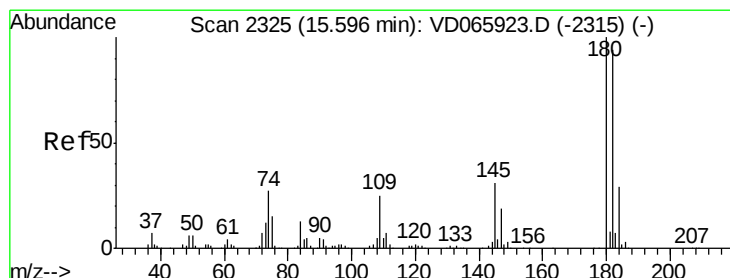
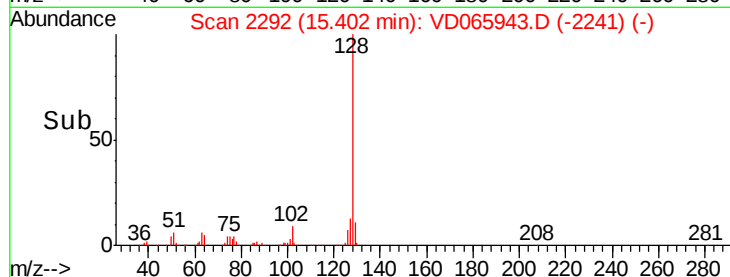
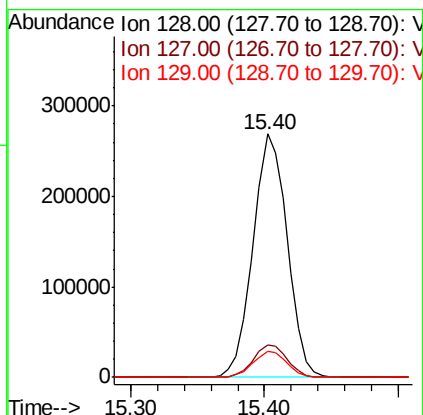
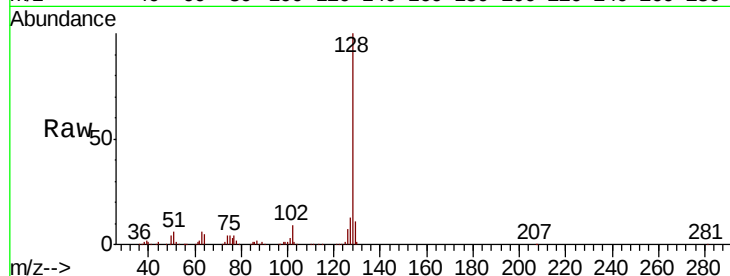




#95
Naphthalene
Concen: 53.790 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 476103
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 53.189 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD065943.D
Acq: 10 Jul 2020 11:30

Tgt Ion:180 Resp: 242124
Ion Ratio Lower Upper
180 100
182 96.1 47.6 142.8
145 31.4 16.1 48.2

