

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061920\
 Data File : VD065821.D
 Acq On : 19 Jun 2020 11:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 20 07:54:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	202035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	317273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	296180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	148233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	97026	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	7.91	113	94974	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	10.34	98	372824	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.64	95	124764	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57309	41.505	ug/l	99
3) Chloromethane	2.21	50	108162	47.507	ug/l	99
4) Vinyl Chloride	2.35	62	129474	43.437	ug/l	99
5) Bromomethane	2.77	94	87634	42.039	ug/l	87
6) Chloroethane	2.93	64	90802	45.053	ug/l	99
7) Trichlorofluoromethane	3.27	101	146119	43.267	ug/l	96
8) Diethyl Ether	3.71	74	37750	42.516	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	89122	44.257	ug/l	97
10) Methyl Iodide	4.30	142	84471	43.076	ug/l	98
11) Tert butyl alcohol	5.22	59	23196m	200.203	ug/l	
12) 1,1-Dichloroethene	4.07	96	80422	43.818	ug/l	96
13) Acrolein	3.93	56	24171	215.556	ug/l	96
14) Allyl chloride	4.71	41	133156	43.895	ug/l	99
15) Acrylonitrile	5.42	53	85142	211.129	ug/l	98
16) Acetone	4.16	43	105198	279.350	ug/l	97
17) Carbon Disulfide	4.41	76	252767	41.032	ug/l	99
18) Methyl Acetate	4.71	43	39078	45.694	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	181615	43.686	ug/l	93
20) Methylene Chloride	4.96	84	97918	48.860	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	93115	43.320	ug/l	96
22) Diisopropyl ether	6.36	45	281276	45.890	ug/l	96
23) Vinyl Acetate	6.30	43	800488	231.278	ug/l	99
24) 1,1-Dichloroethane	6.26	63	162855	43.607	ug/l	96
25) 2-Butanone	7.21	43	123637	237.727	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	149453	45.133	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	103699	44.849	ug/l	99
28) Bromochloromethane	7.54	49	75735	52.507	ug/l	100
29) Tetrahydrofuran	7.56	42	73518	223.662	ug/l	98
30) Chloroform	7.71	83	171586	44.327	ug/l	98
31) Cyclohexane	7.98	56	152520	42.601	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	160358	45.052	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136211	44.817	ug/l	99
37) Ethyl Acetate	7.29	43	52468	43.828	ug/l	97
38) Carbon Tetrachloride	8.09	117	148730	46.499	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162861	45.259	ug/l	98
40) Benzene	8.35	78	371252	44.682	ug/l	100
41) Methacrylonitrile	7.53	41	32959	46.238	ug/l	92
42) 1,2-Dichloroethane	8.43	62	108775	43.389	ug/l	100
43) Isopropyl Acetate	8.45	43	104185	43.766	ug/l	99
44) Trichloroethene	9.11	130	100430	43.434	ug/l	92
45) 1,2-Dichloropropane	9.38	63	92276	44.200	ug/l	97
46) Dibromomethane	9.48	93	50175	44.314	ug/l	97
47) Bromodichloromethane	9.66	83	132014	43.510	ug/l	93
48) Methyl methacrylate	9.46	41	53549	46.473	ug/l	97
49) 1,4-Dioxane	9.47	88	9946	825.283	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	263649	226.023	ug/l	98
52) Toluene	10.40	92	245533	45.480	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	122012	44.408	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	147001	45.302	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	66812	44.162	ug/l	96
56) Ethyl methacrylate	10.66	69	80134	45.032	ug/l	100
57) 1,3-Dichloropropane	10.95	76	115495	44.064	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	219545	265.374	ug/l	100
59) 2-Hexanone	10.98	43	189504	240.969	ug/l	100
60) Dibromochloromethane	11.14	129	93314	45.658	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65150	43.819	ug/l	99
64) Tetrachloroethene	10.88	164	86707	43.293	ug/l	98
65) Chlorobenzene	11.67	112	257049	44.456	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	94719	43.947	ug/l	98
67) Ethyl Benzene	11.75	91	475901	46.073	ug/l	98
68) m/p-Xylenes	11.86	106	364568	91.630	ug/l	98
69) o-Xylene	12.18	106	168130	46.867	ug/l	100
70) Styrene	12.20	104	290769	46.822	ug/l	98
71) Bromoform	12.36	173	52141	43.931	ug/l #	98
73) Isopropylbenzene	12.48	105	471302	47.422	ug/l	99
74) N-amyl acetate	12.29	43	97829	44.245	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	74066	44.128	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	53431m	46.348	ug/l	
77) Bromobenzene	12.77	156	103559	44.040	ug/l	95
78) n-propylbenzene	12.83	91	566565	47.359	ug/l	99
79) 2-Chlorotoluene	12.91	91	306442	46.694	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	392107	47.410	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24462	45.846	ug/l	98
82) 4-Chlorotoluene	13.01	91	327371	46.473	ug/l	99
83) tert-Butylbenzene	13.23	119	343736	47.899	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	396009	47.838	ug/l	98
85) sec-Butylbenzene	13.41	105	481887	48.252	ug/l	99
86) p-Isopropyltoluene	13.52	119	445933	48.717	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	210852	45.477	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	206639	44.804	ug/l	98
89) n-Butylbenzene	13.85	91	421668	48.300	ug/l	100
90) Hexachloroethane	14.11	117	86076	46.979	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	182488	45.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12394	44.370	ug/l	92

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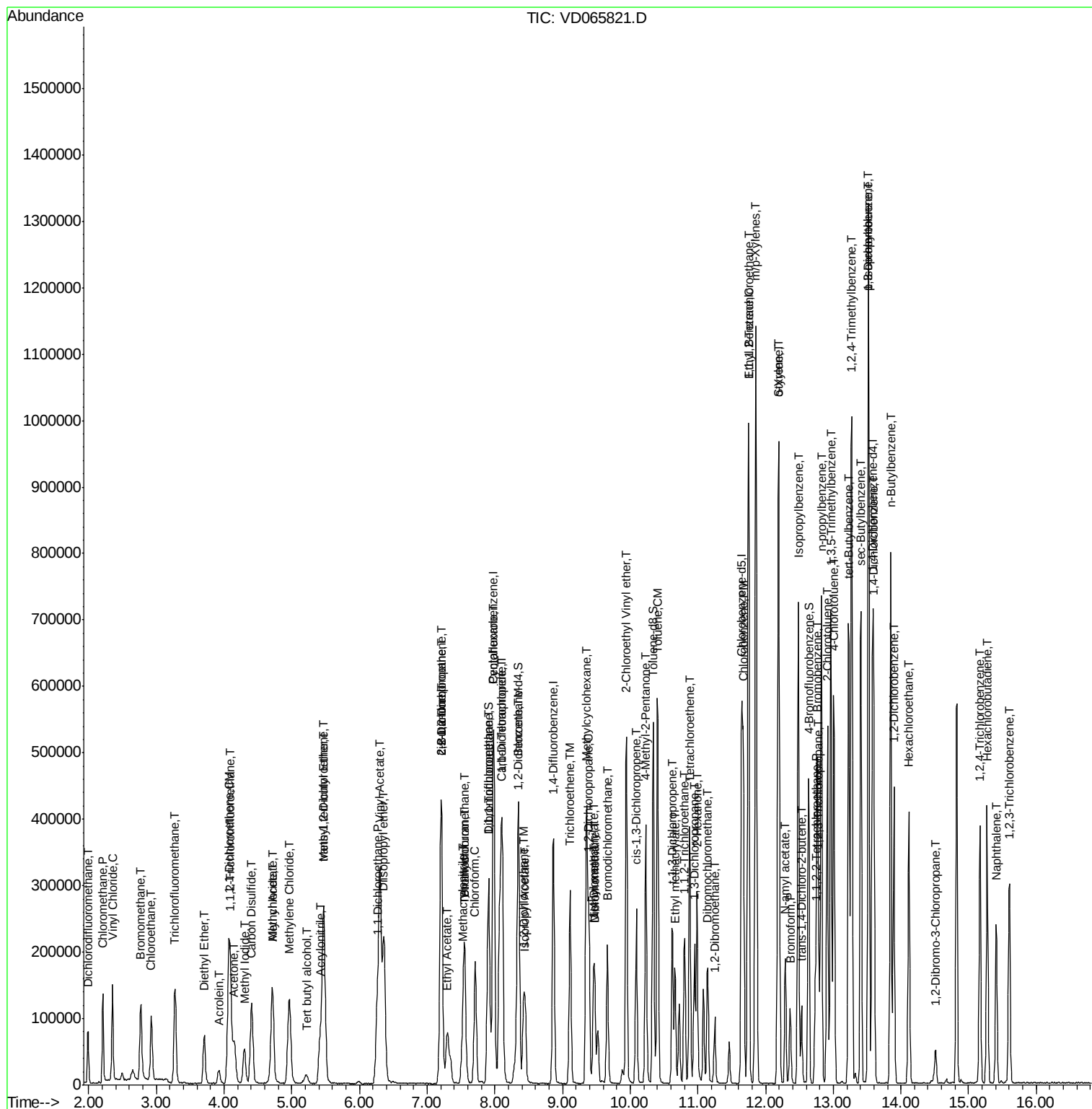
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	121507	44.786	ug/l	99
94) Hexachlorobutadiene	15.27	225	72864	44.427	ug/l	98
95) Naphthalene	15.41	128	205242	44.661	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	105085	44.972	ug/l	99

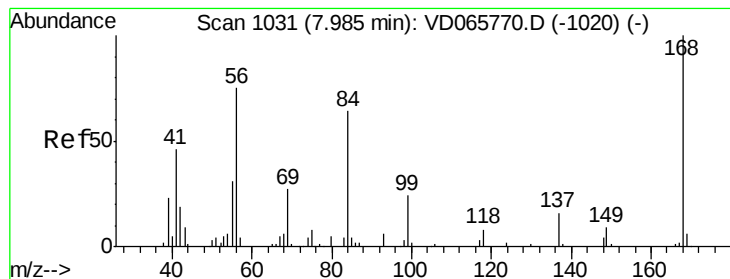
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

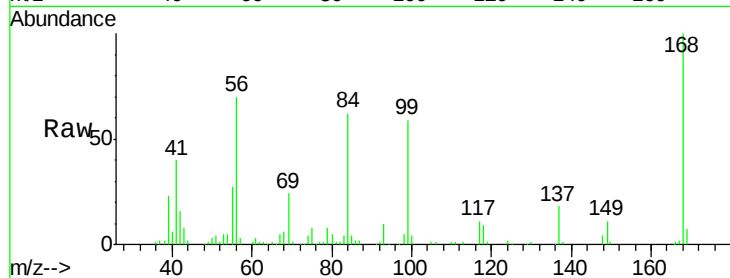
VSTDCCC050

Tot Ion:168 Resp: 202035

Ion Ratio Lower Upper

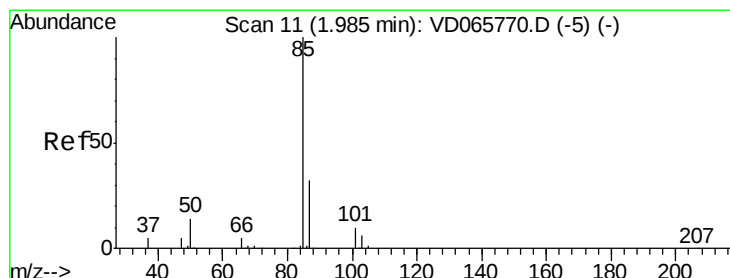
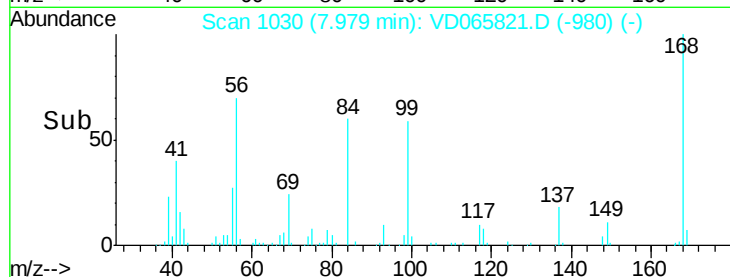
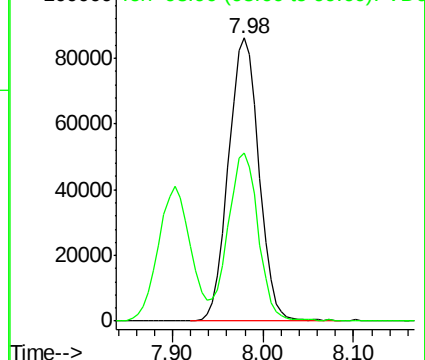
168 100

99 59.2 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 41.505 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065821.D

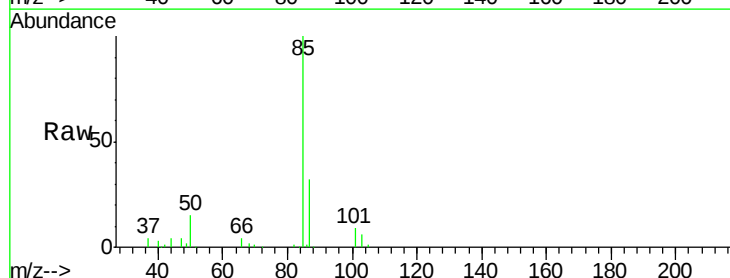
Acq: 19 Jun 2020 11:28

Tgt Ion: 85 Resp: 57309

Ion Ratio Lower Upper

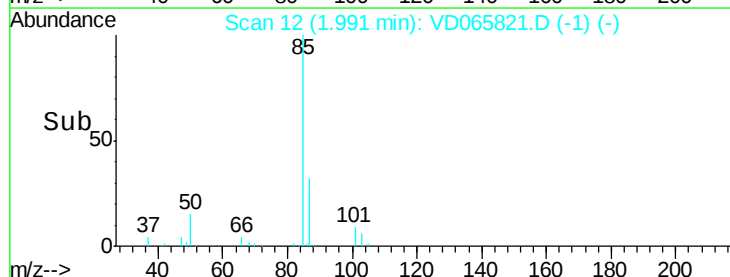
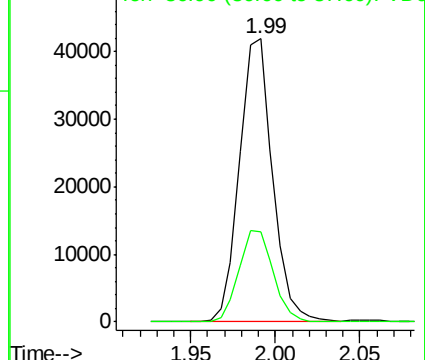
85 100

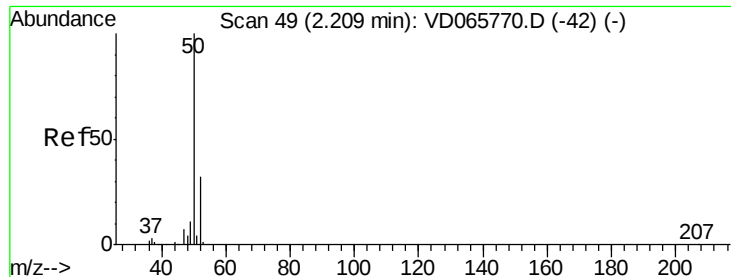
87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.507 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

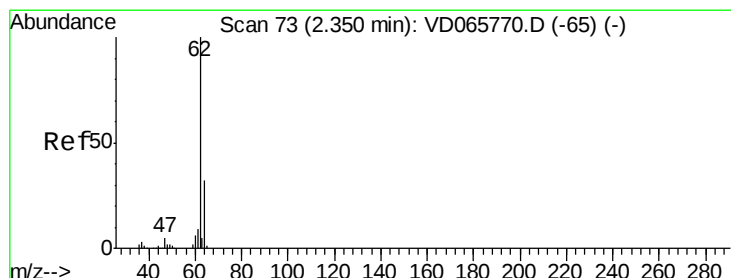
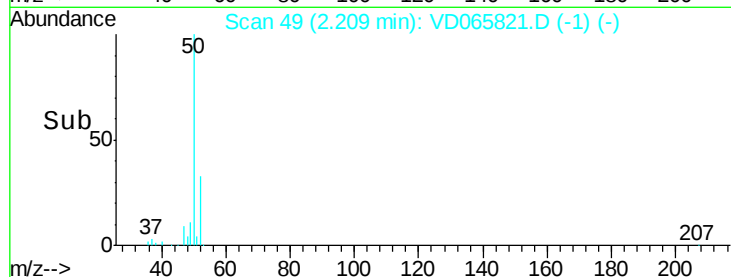
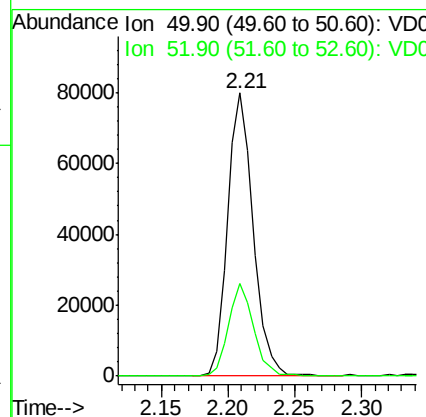
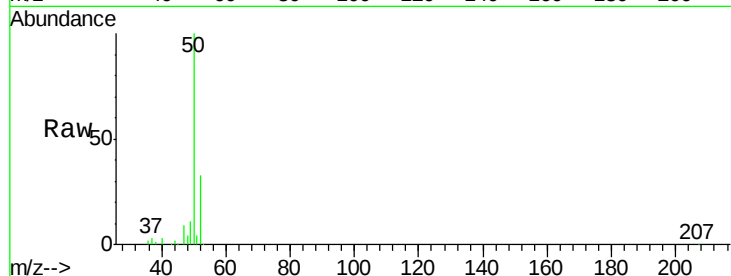
VSTDCCC050

Tot Ion: 50 Resp: 108162

Ion Ratio Lower Upper

50 100

52 32.6 25.6 38.4



#4

Vinyl Chloride

Concen: 43.437 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065821.D

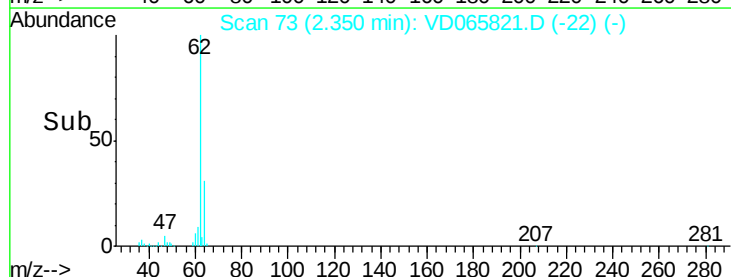
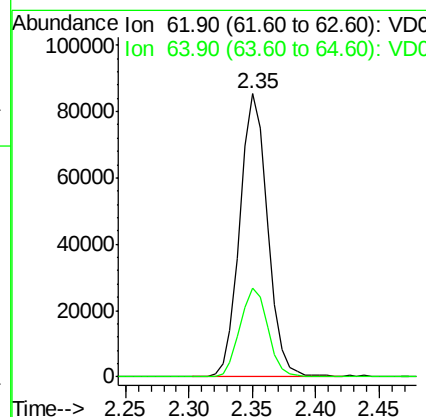
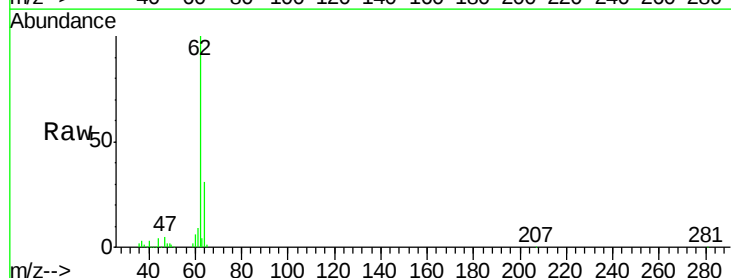
Acq: 19 Jun 2020 11:28

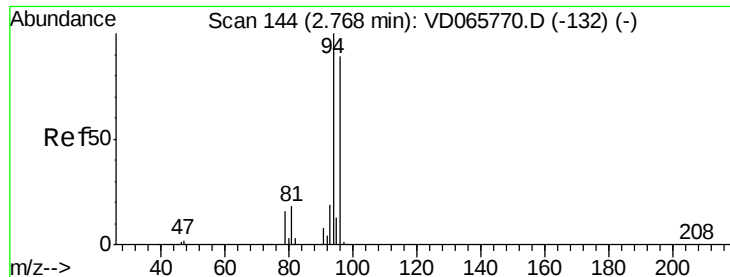
Tgt Ion: 62 Resp: 129474

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9





#5

Bromomethane

Concen: 42.039 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

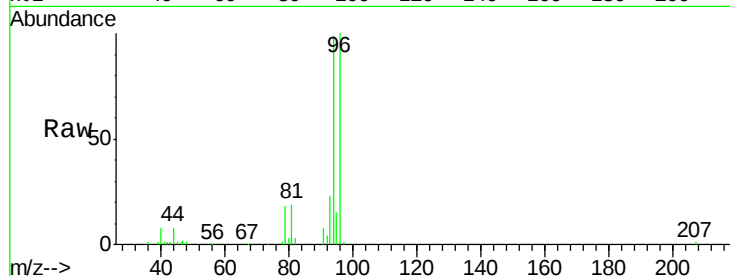
VSTDCCC050

Tot Ion: 94 Resp: 87634

Ion Ratio Lower Upper

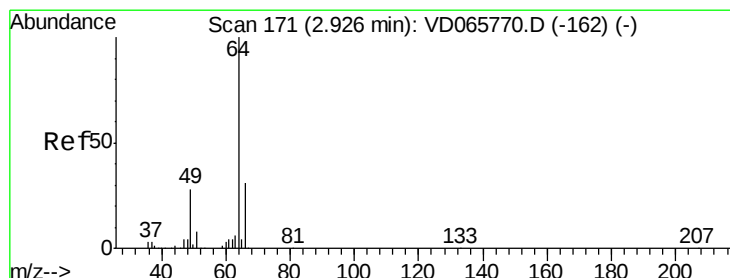
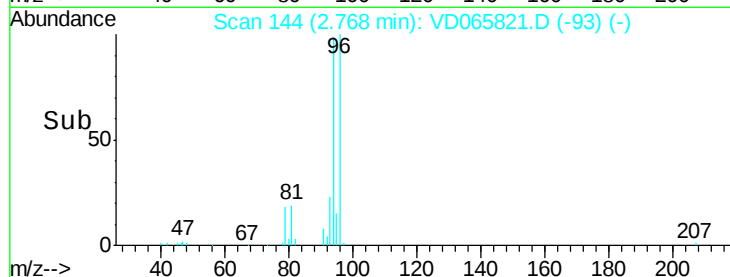
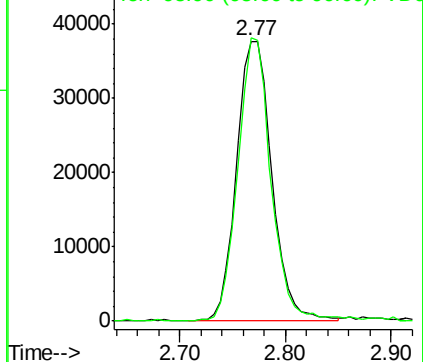
94 100

96 101.1 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.053 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065821.D

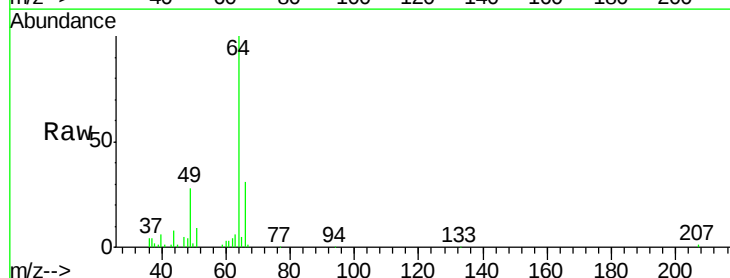
Acq: 19 Jun 2020 11:28

Tgt Ion: 64 Resp: 90802

Ion Ratio Lower Upper

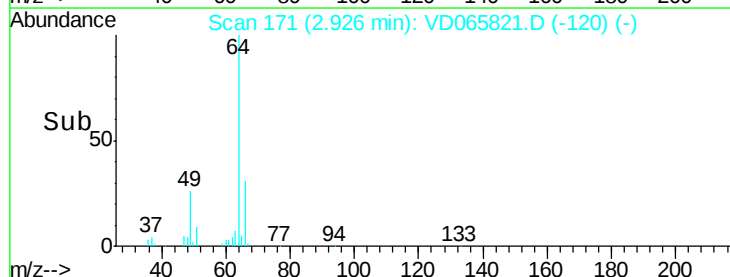
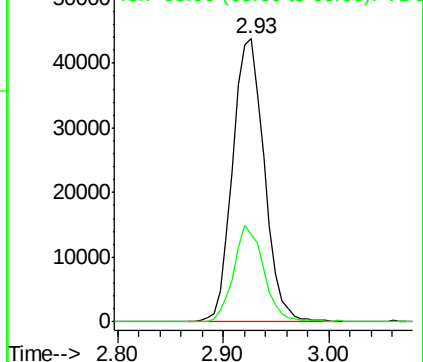
64 100

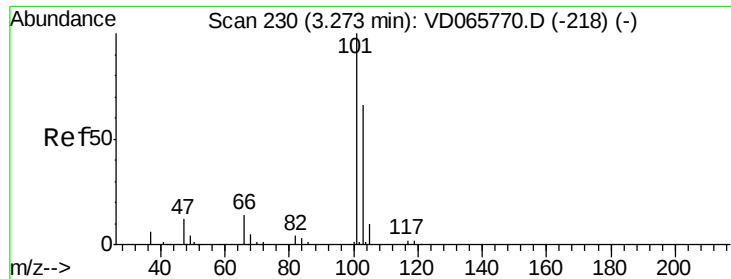
66 31.0 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



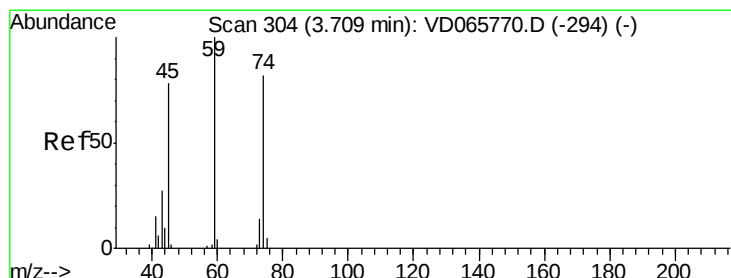
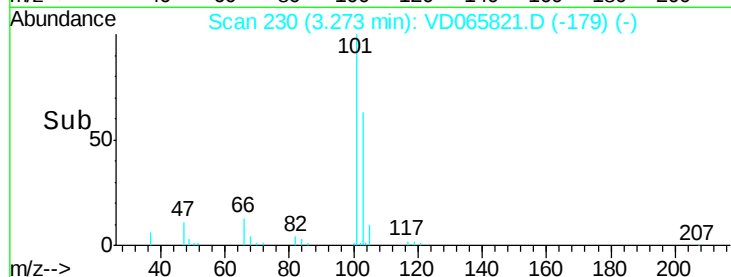
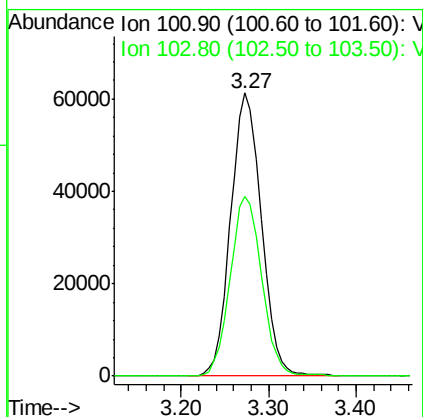
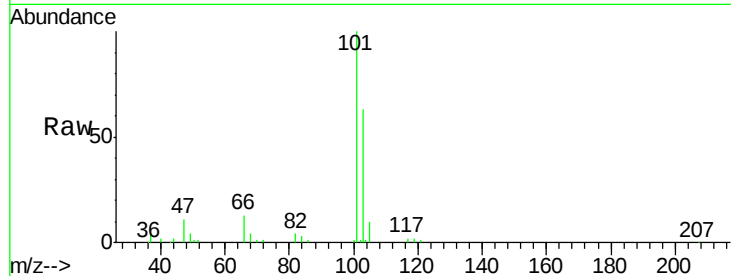


#7

Trichlorofluoromethane
 Concen: 43.267 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065821.D
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Instrument :
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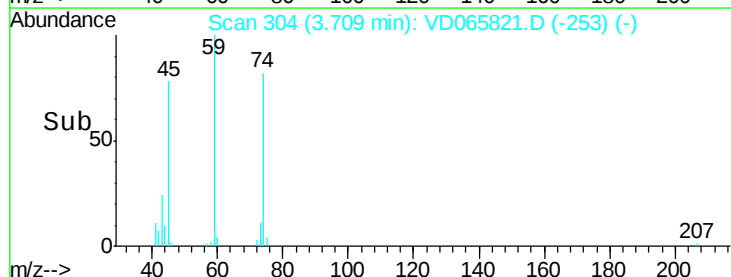
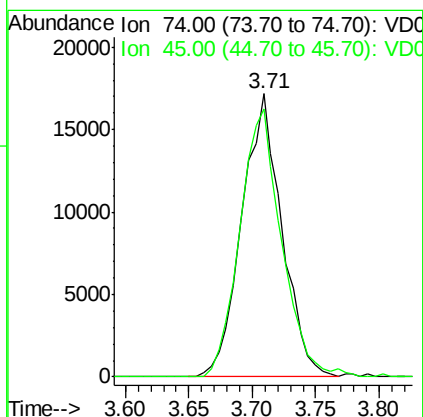
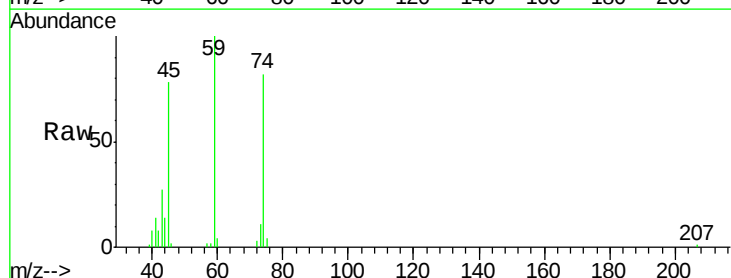
Tot Ion:101 Resp: 146119
 Ion Ratio Lower Upper
 101 100
 103 63.3 53.1 79.7

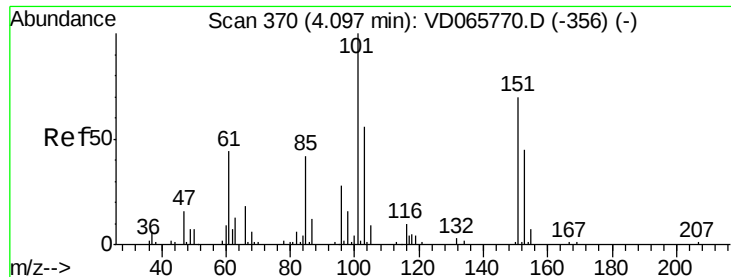


#8

Diethyl Ether
 Concen: 42.516 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Tgt Ion: 74 Resp: 37750
 Ion Ratio Lower Upper
 74 100
 45 98.5 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.257 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

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VSTDCCC050

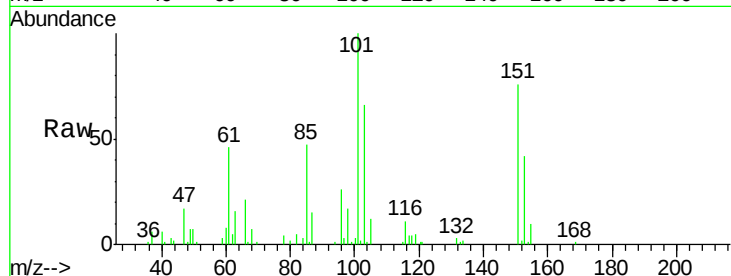
Tot Ion:101 Resp: 89122

Ion Ratio Lower Upper

101 100

85 43.7 36.5 54.7

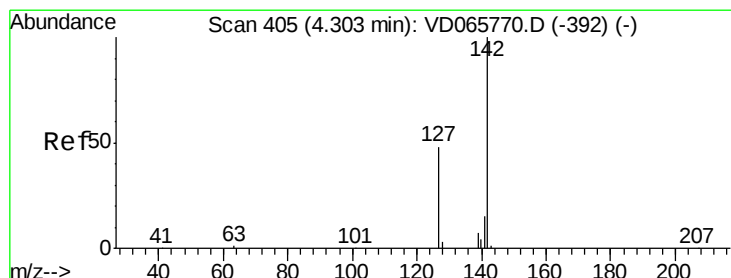
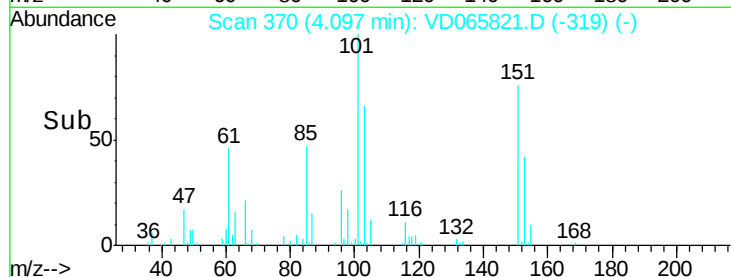
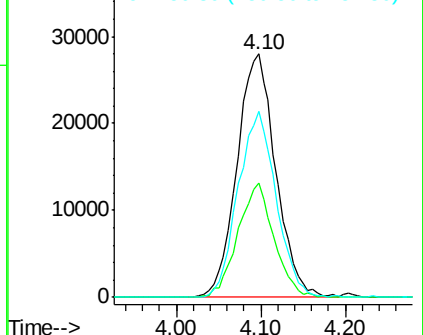
151 75.0 61.8 92.6



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: 43.076 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

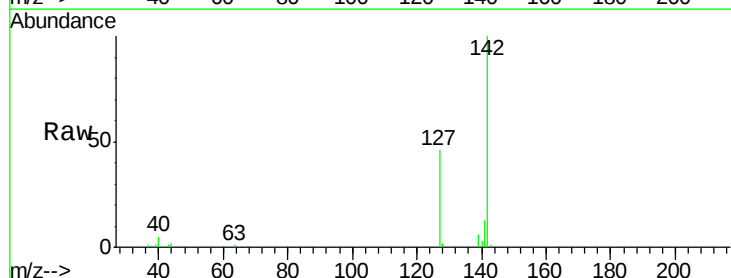
Tgt Ion:142 Resp: 84471

Ion Ratio Lower Upper

142 100

127 49.0 37.6 56.4

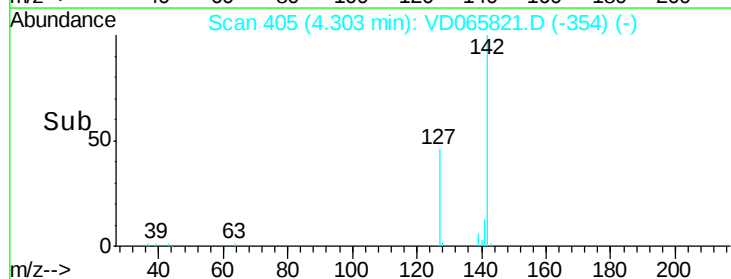
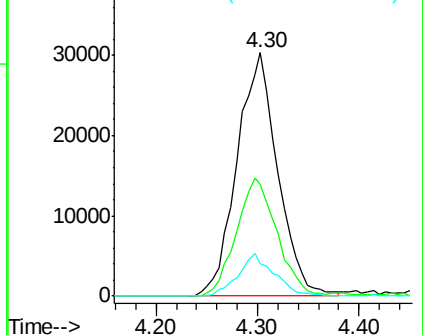
141 15.4 12.1 18.1

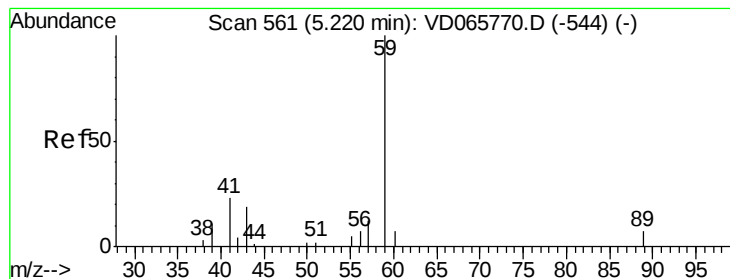


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 200.203 ug/l m

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

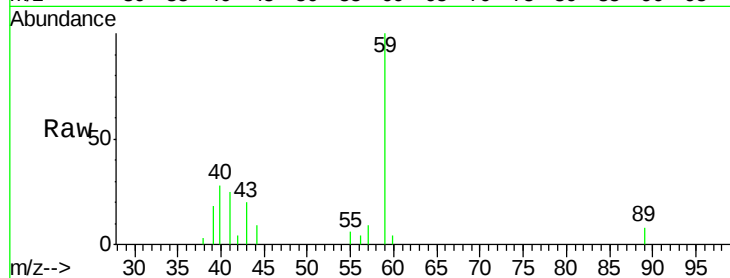
VSTDCCC050

Tot Ion: 59 Resp: 23196

Ion Ratio Lower Upper

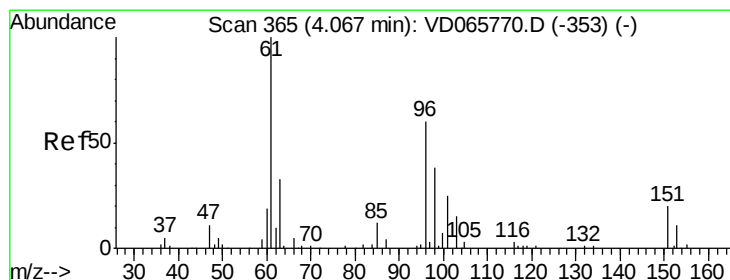
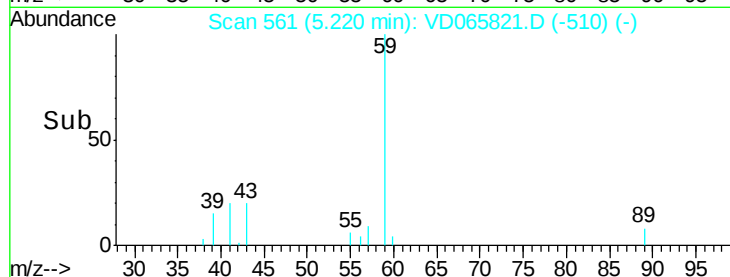
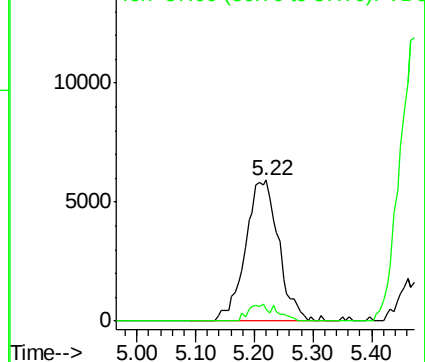
59 100

57 6.9 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 43.818 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

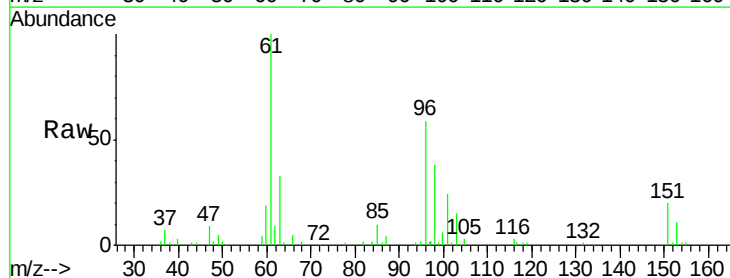
Tgt Ion: 96 Resp: 80422

Ion Ratio Lower Upper

96 100

61 170.6 132.3 198.5

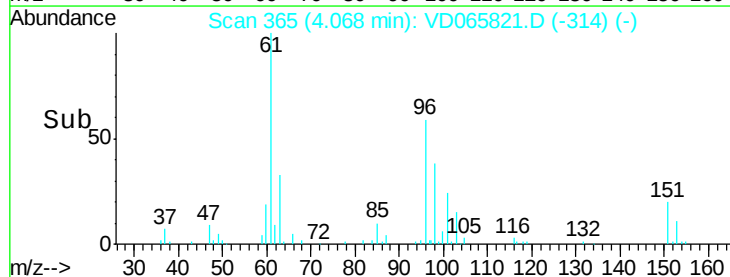
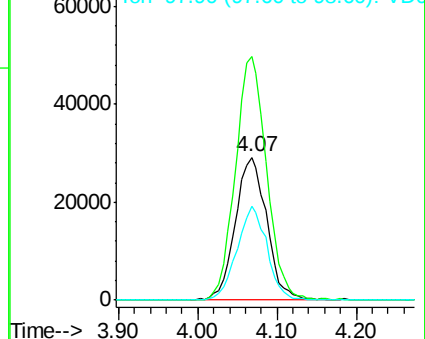
98 65.6 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 215.556 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

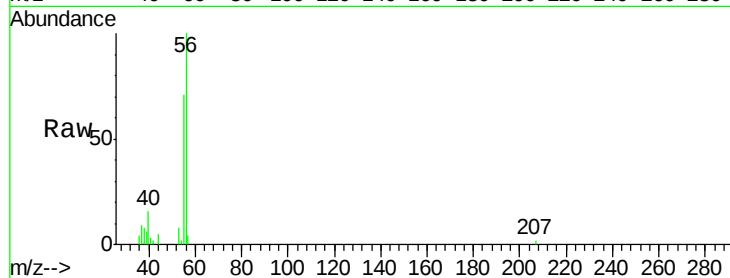
VSTDCCC050

Tot Ion: 56 Resp: 24171

Ion Ratio Lower Upper

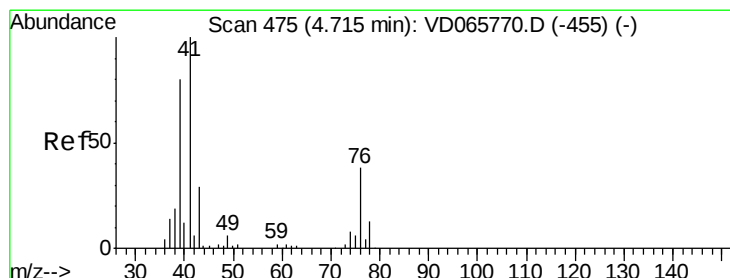
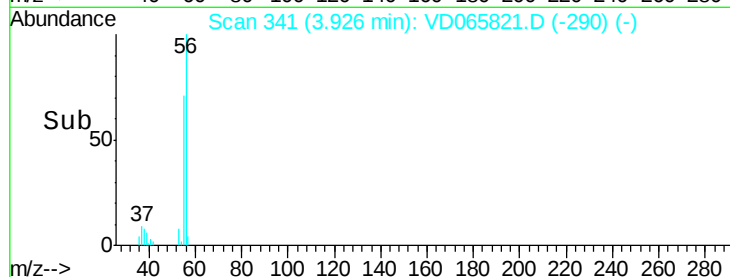
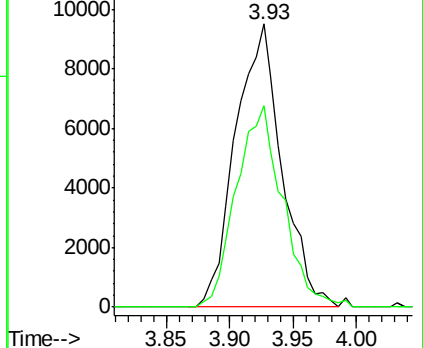
56 100

55 71.4 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 43.895 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

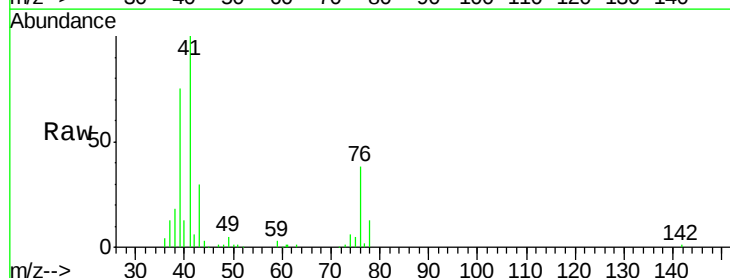
Tgt Ion: 41 Resp: 133156

Ion Ratio Lower Upper

41 100

39 77.0 60.9 91.3

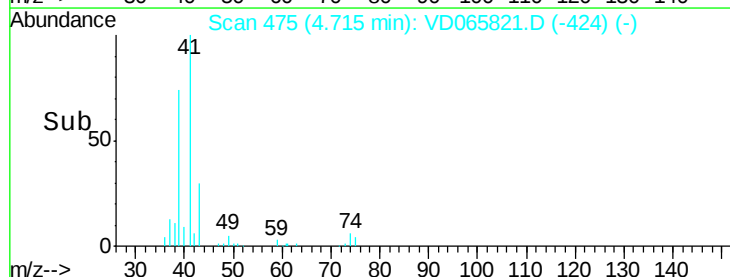
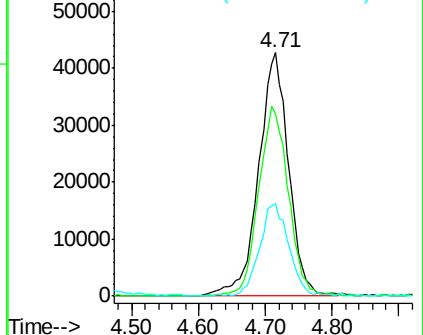
76 36.9 28.9 43.3

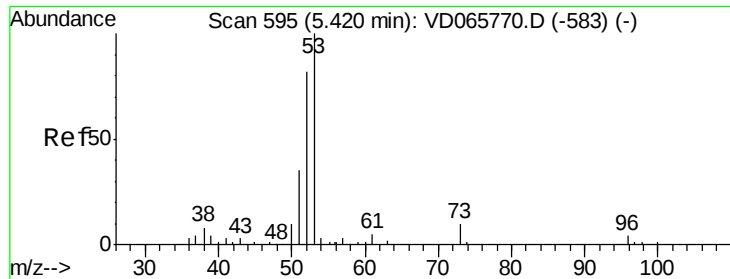


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 211.129 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

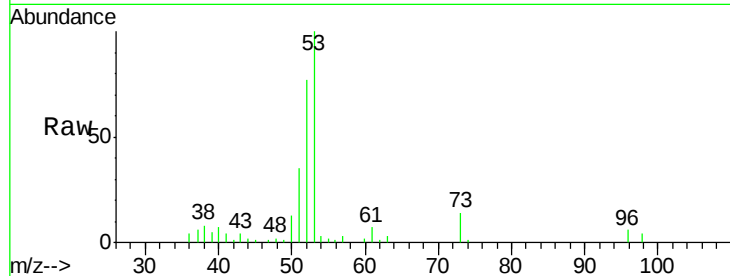
Tot Ion: 53 Resp: 85142

Ion Ratio Lower Upper

53 100

52 84.0 66.2 99.2

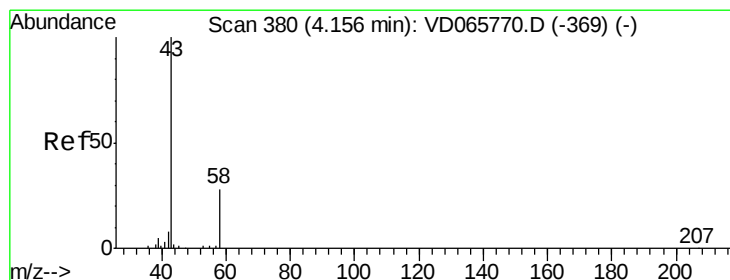
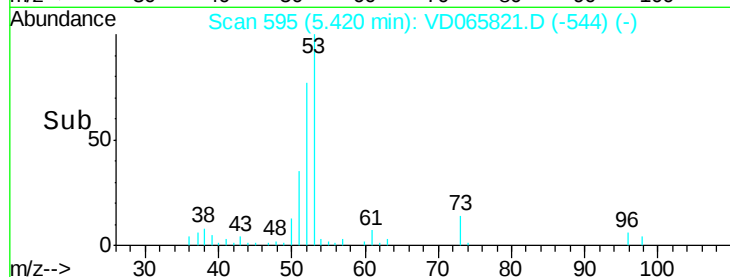
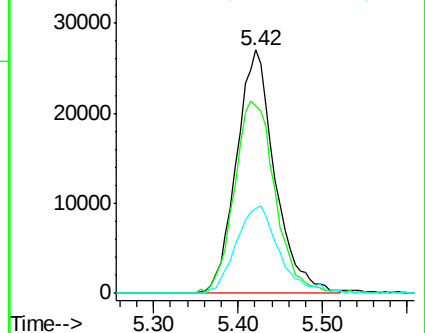
51 40.2 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 279.350 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065821.D

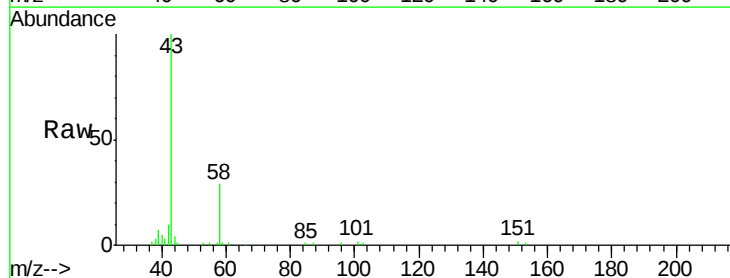
Acq: 19 Jun 2020 11:28

Tgt Ion: 43 Resp: 105198

Ion Ratio Lower Upper

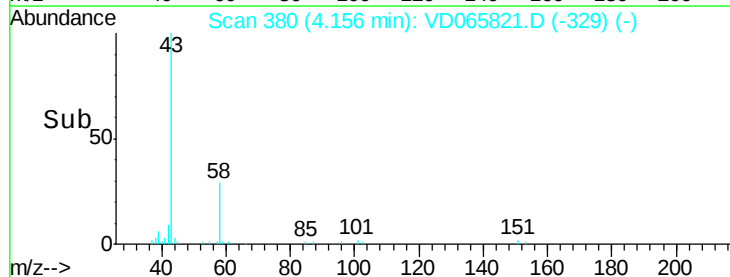
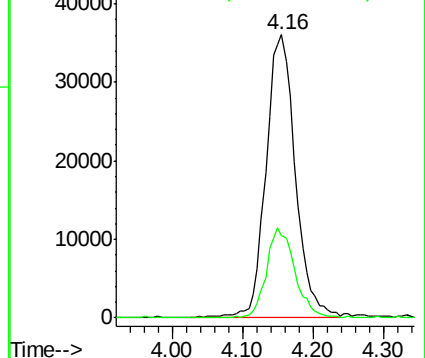
43 100

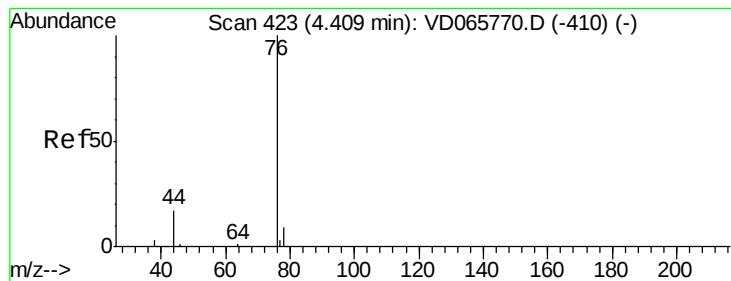
58 29.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 41.032 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

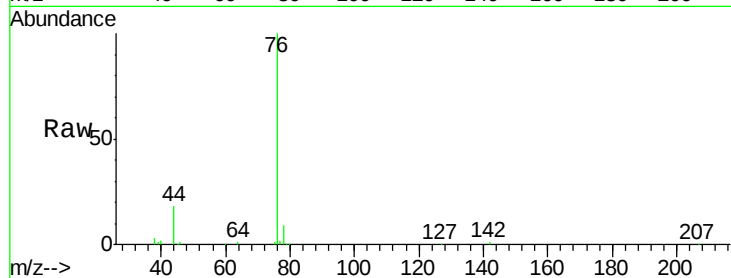
VSTDCCC050

Tot Ion: 76 Resp: 252767

Ion Ratio Lower Upper

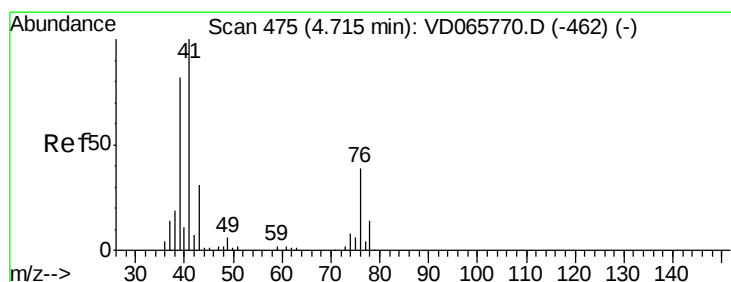
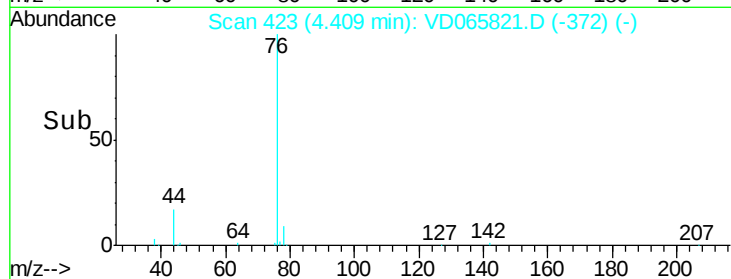
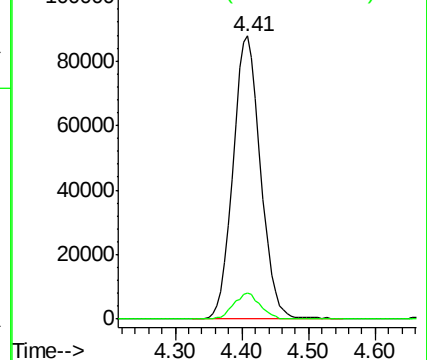
76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 45.694 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065821.D

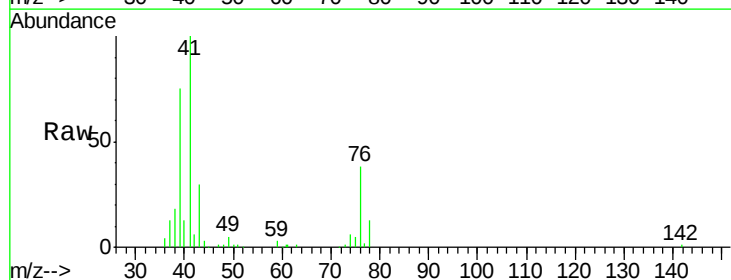
Acq: 19 Jun 2020 11:28

Tgt Ion: 43 Resp: 39078

Ion Ratio Lower Upper

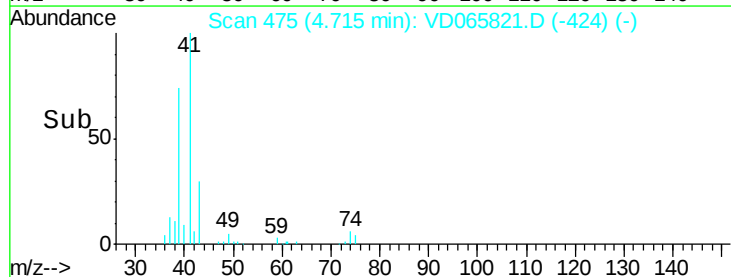
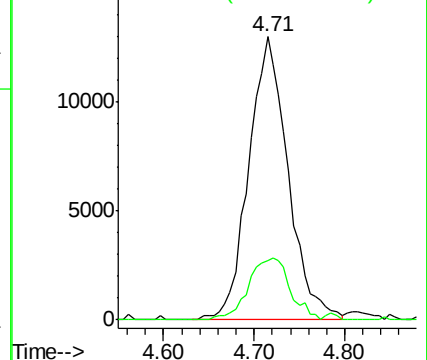
43 100

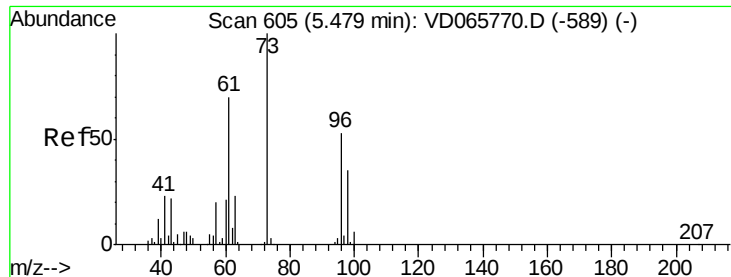
74 23.2 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

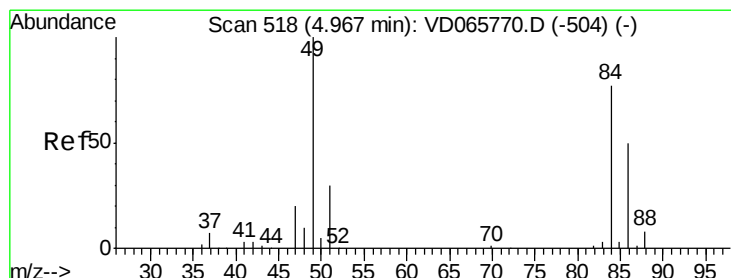
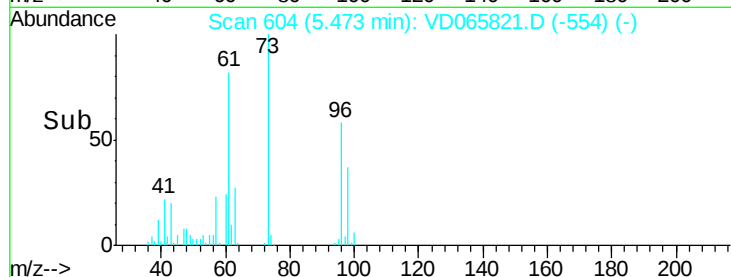
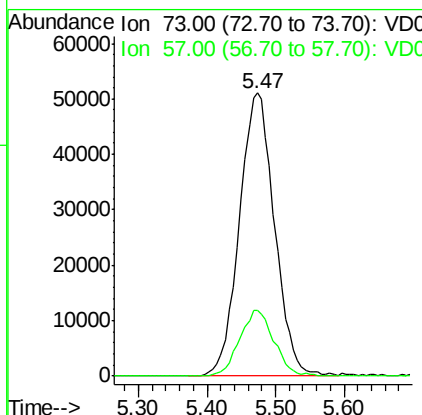
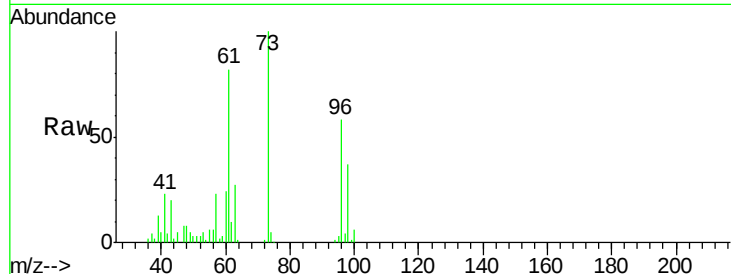




#19
Methvl tert-butvl Ether
Concen: 43.686 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

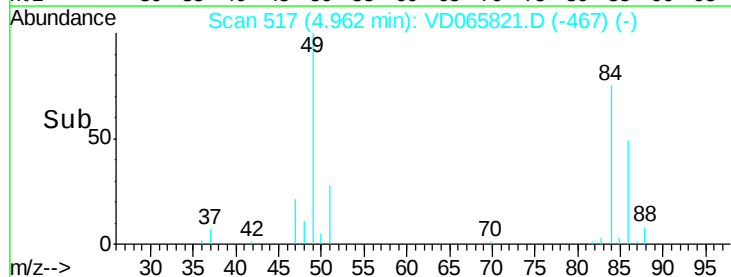
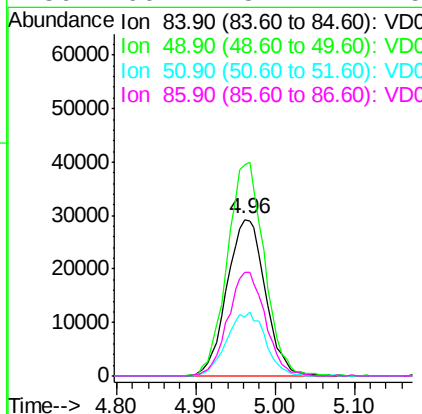
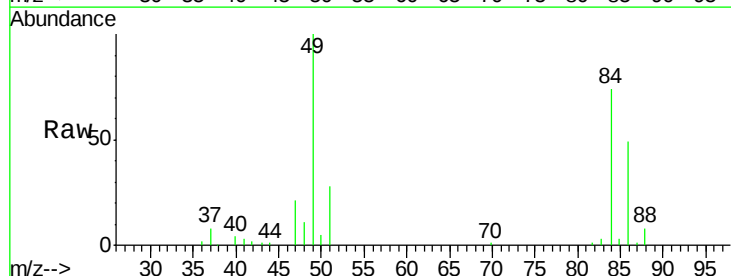
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

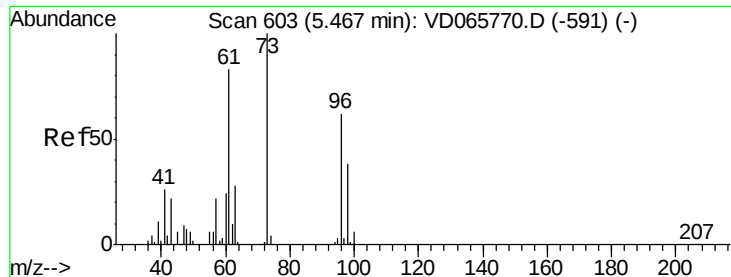
Tot Ion: 73 Resp: 181615
Ion Ratio Lower Upper
73 100
57 23.3 16.2 24.2



#20
Methylene Chloride
Concen: 48.860 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion: 84 Resp: 97918
Ion Ratio Lower Upper
84 100
49 134.0 103.4 155.0
51 37.7 31.4 47.2
86 66.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 43.320 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

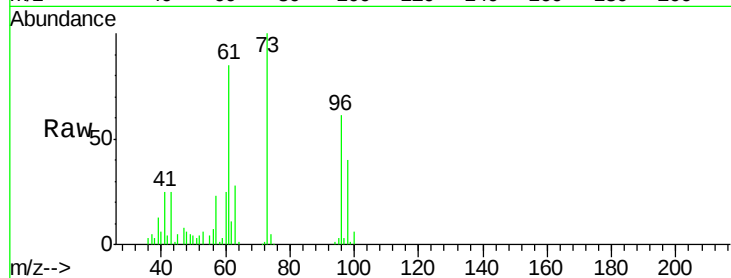
Tot Ion: 96 Resp: 93115

Ion Ratio Lower Upper

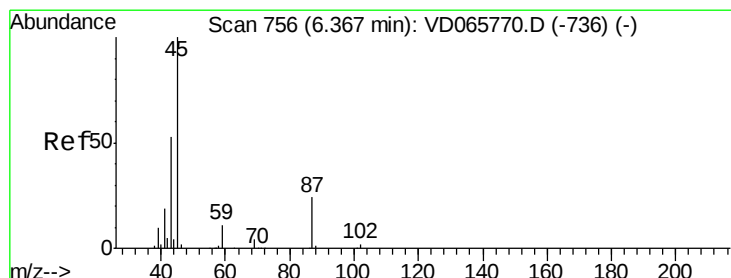
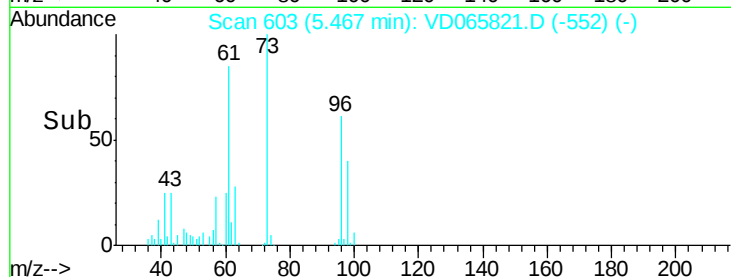
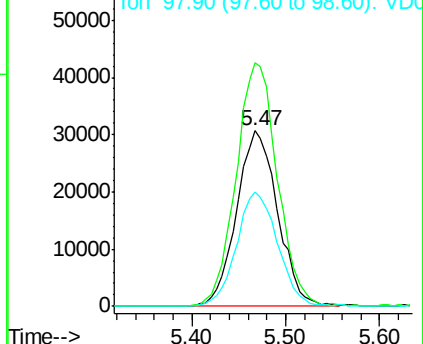
96 100

61 138.9 107.7 161.5

98 65.3 49.3 73.9



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



#22

Diisopropyl ether

Concen: 45.890 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Tgt Ion: 45 Resp: 281276

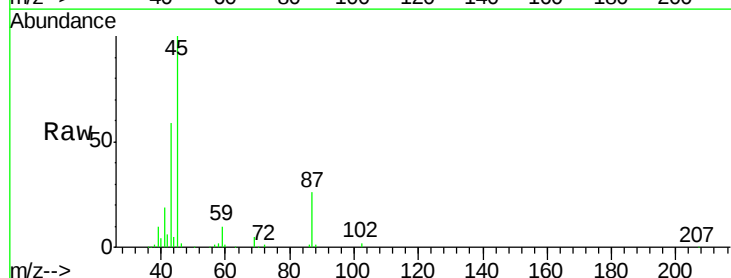
Ion Ratio Lower Upper

45 100

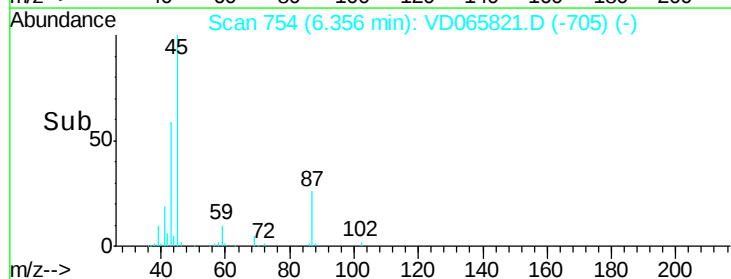
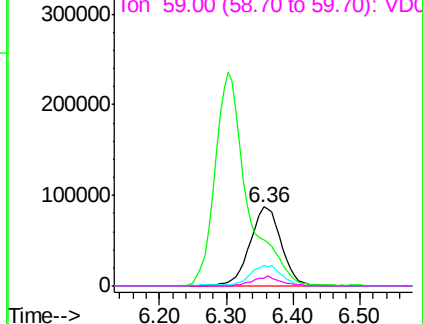
43 58.0 43.4 65.0

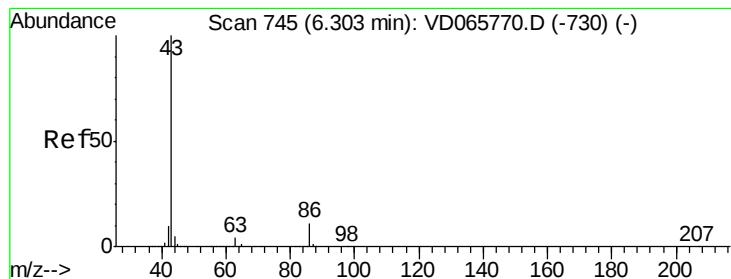
87 25.5 20.2 30.4

59 10.4 9.4 14.0



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





#23

Vinyl Acetate

Concen: 231.278 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

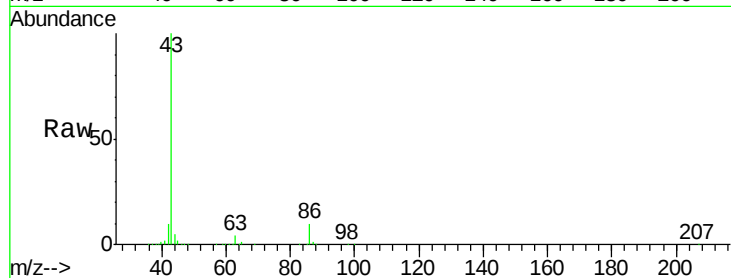
VSTDCCC050

Tot Ion: 43 Resp: 800488

Ion Ratio Lower Upper

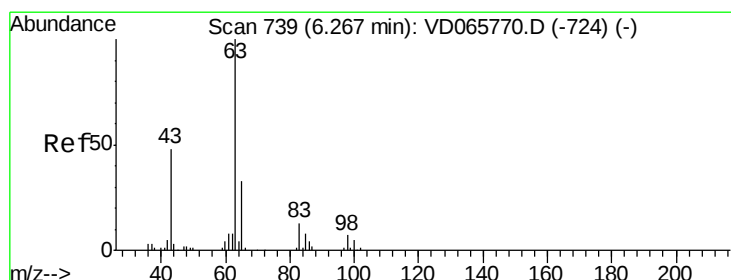
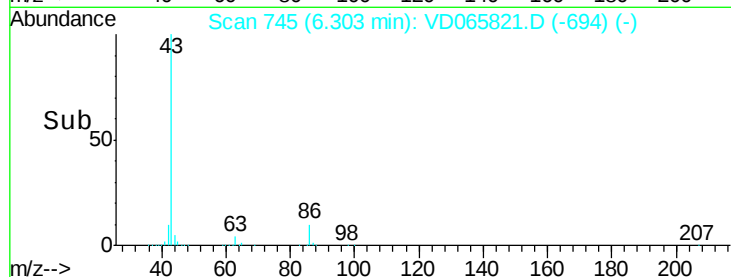
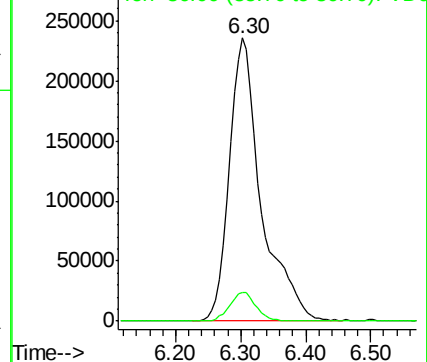
43 100

86 10.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 43.607 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

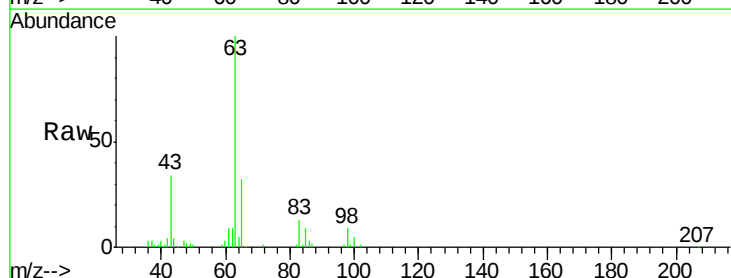
Tgt Ion: 63 Resp: 162855

Ion Ratio Lower Upper

63 100

98 8.9 3.5 10.5

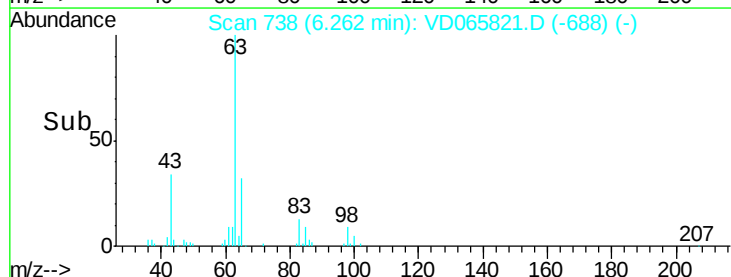
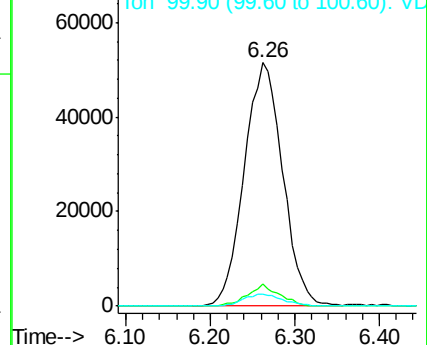
100 4.7 2.3 6.9

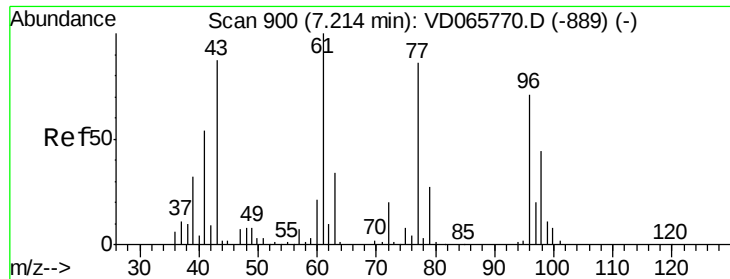


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

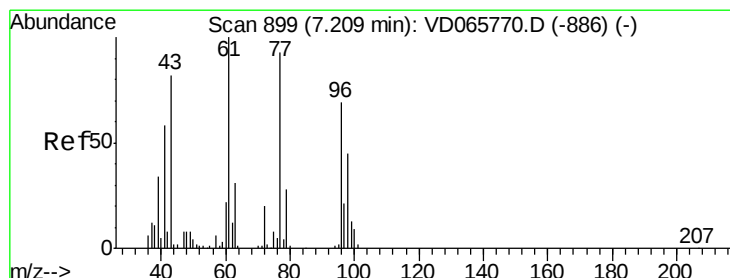
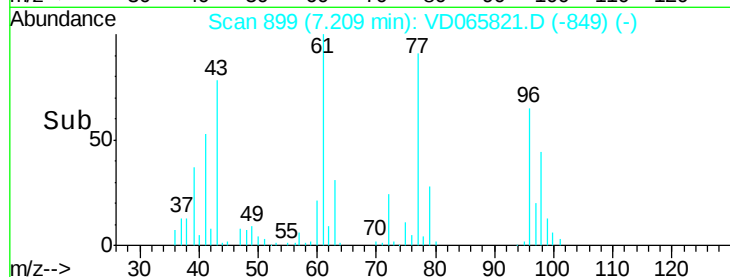
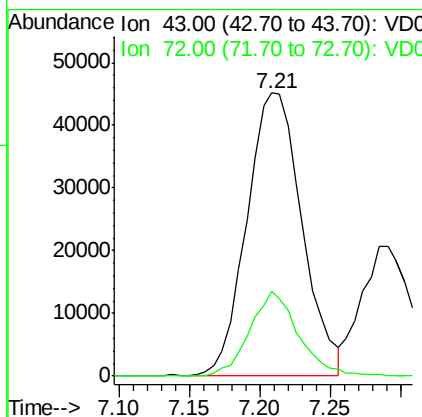
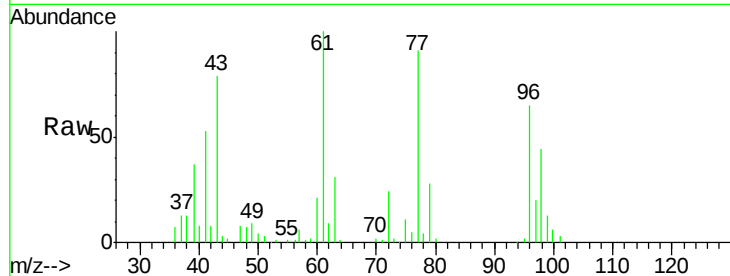




#25
2-Butanone
Concen: 237.727 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

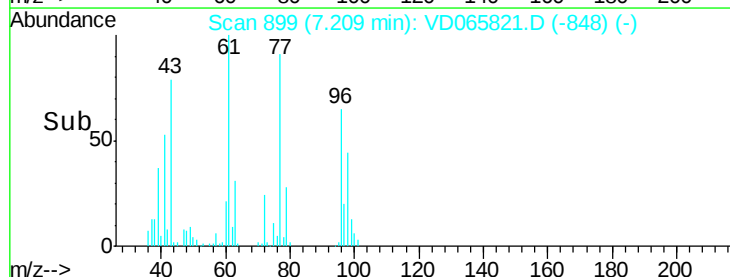
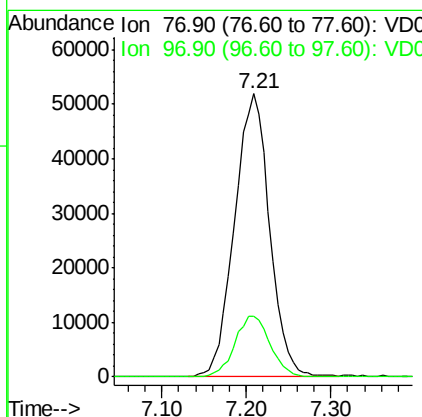
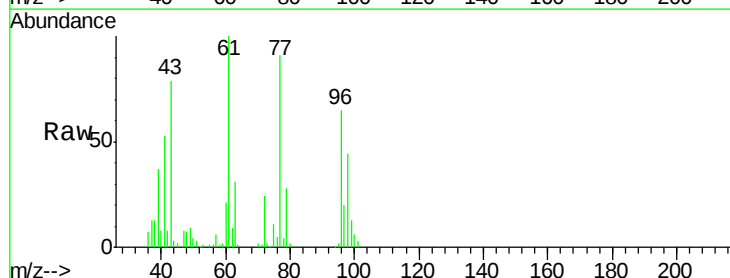
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

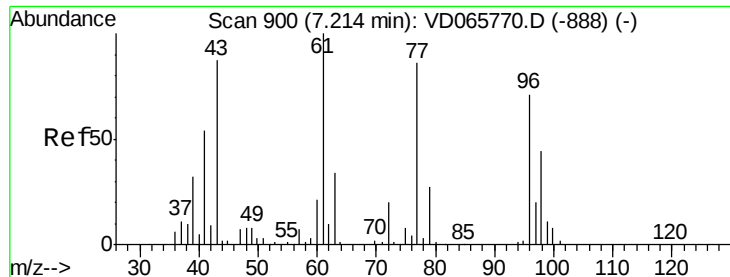
Tot Ion: 43 Resp: 123637
Ion Ratio Lower Upper
43 100
72 29.8 18.5 27.7#



#26
2,2-Dichloropropane
Concen: 45.133 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion: 77 Resp: 149453
Ion Ratio Lower Upper
77 100
97 21.7 10.9 32.7



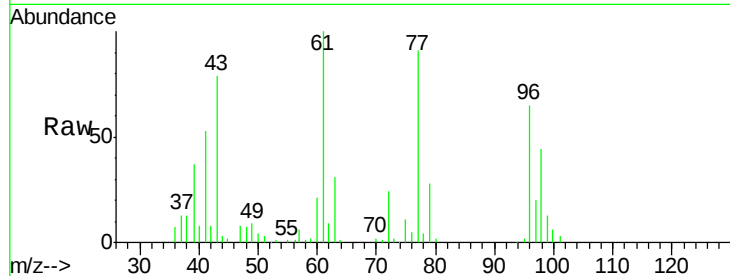


#27

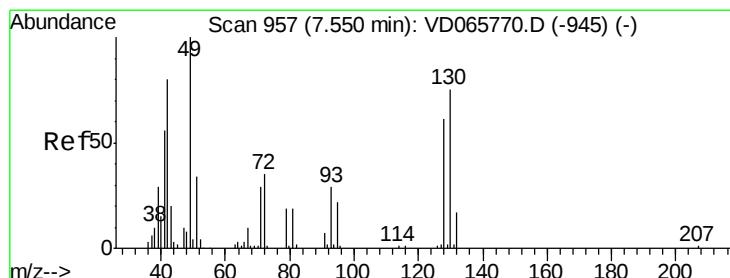
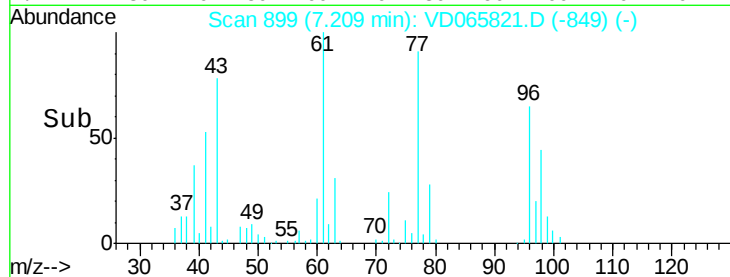
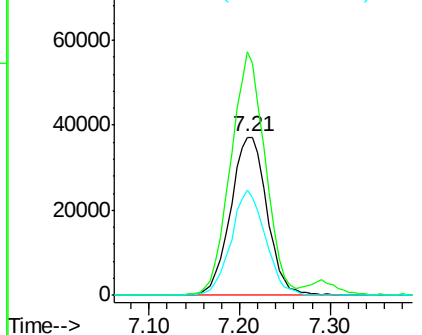
cis-1,2-Dichloroethene
Concen: 44.849 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	103699
Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	291.2
98	62.8	0.0	128.8



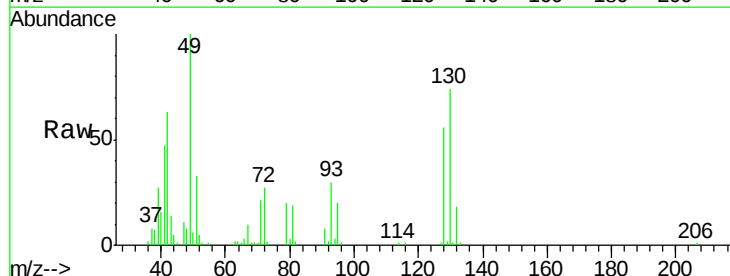
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



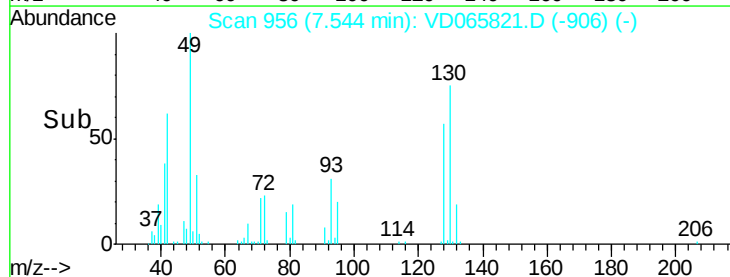
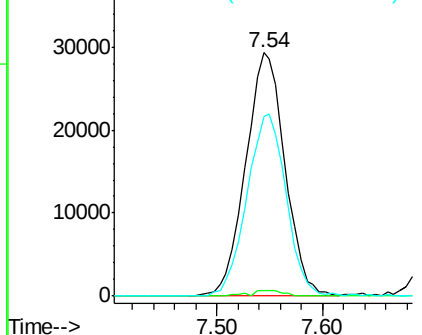
#28

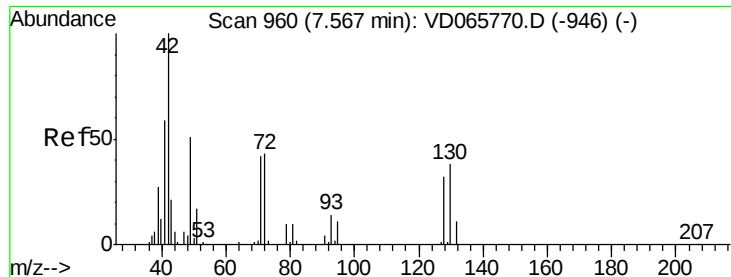
Bromochloromethane
Concen: 52.507 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion	49	Resp	75735
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	74.7	59.5	89.3



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

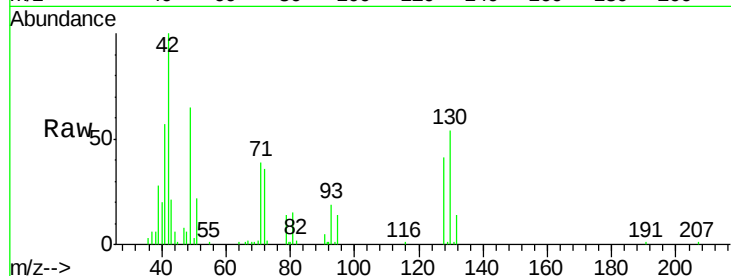




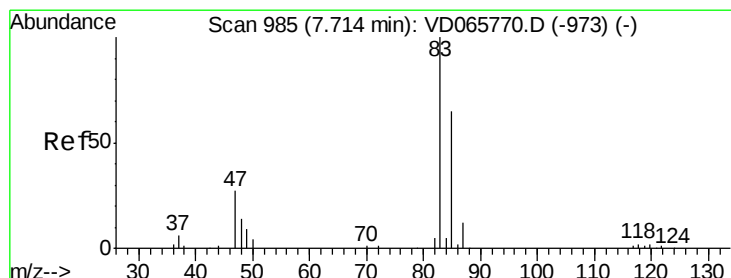
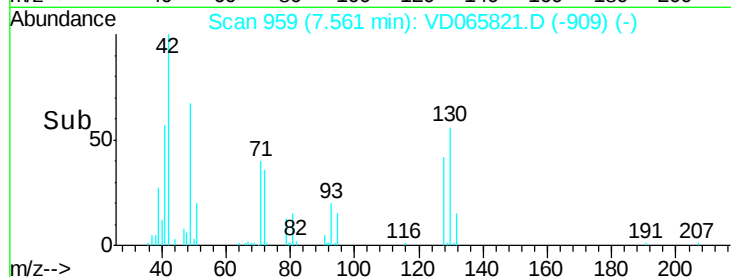
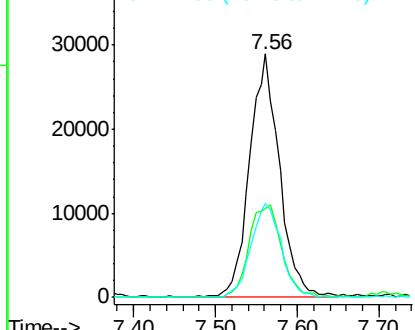
#29
Tetrahydrofuran
Concen: 223.662 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 73518
Ion Ratio Lower Upper
42 100
72 41.2 34.9 52.3
71 38.8 31.2 46.8

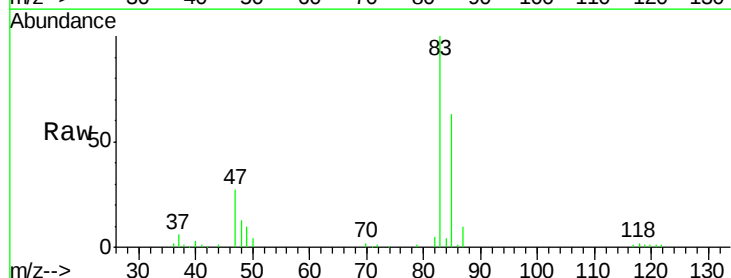


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

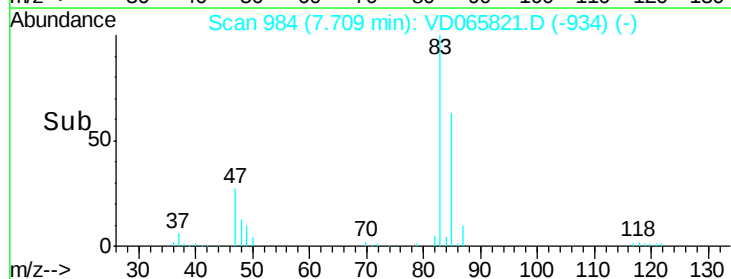
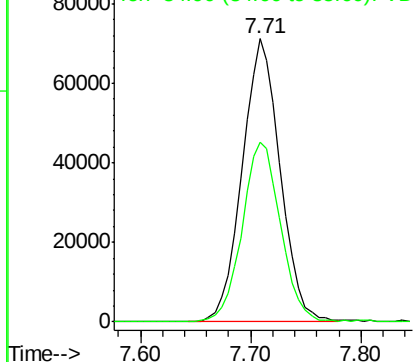


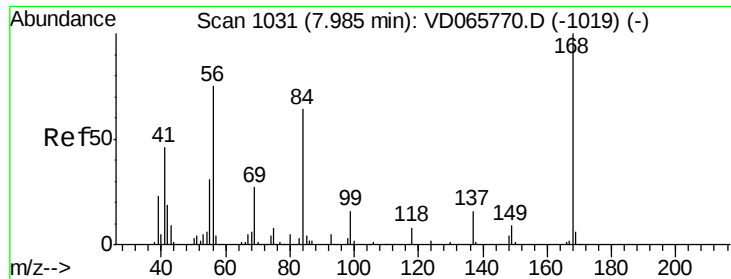
#30
Chloroform
Concen: 44.327 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion: 83 Resp: 171586
Ion Ratio Lower Upper
83 100
85 63.5 51.9 77.9



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

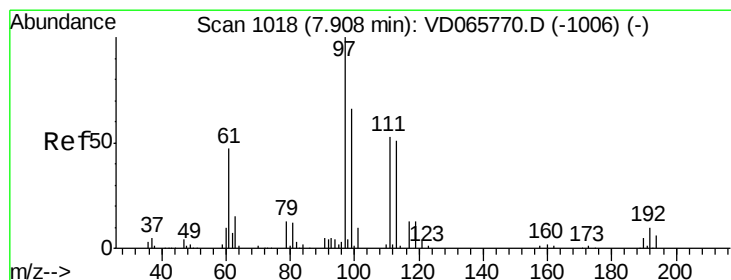
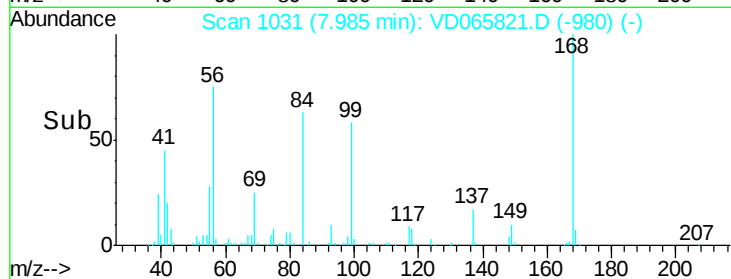
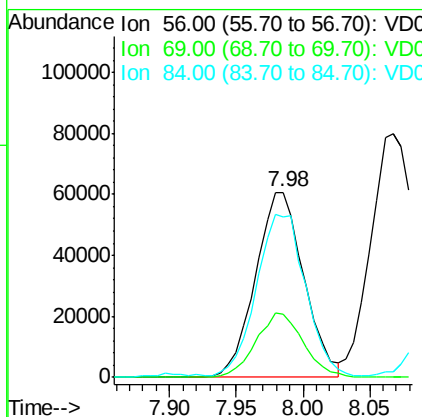
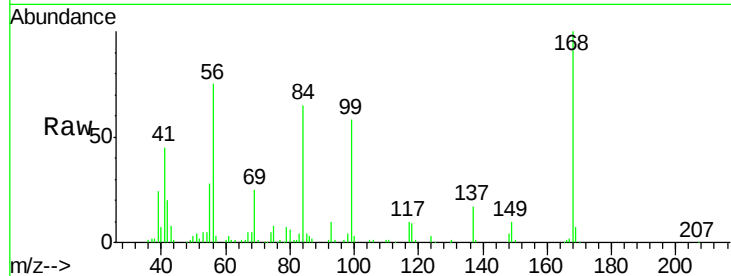




#31
Cyclohexane
Concen: 42.601 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

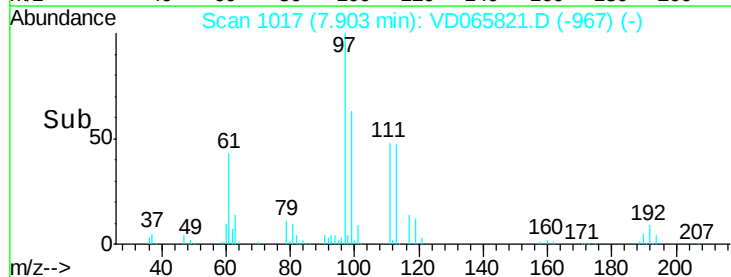
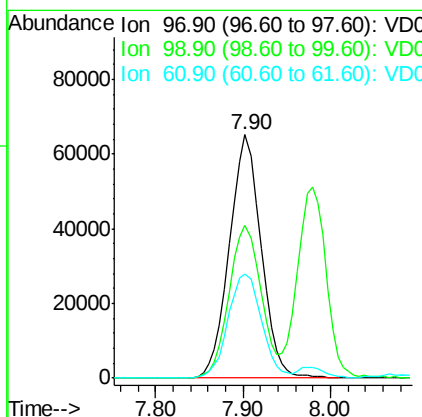
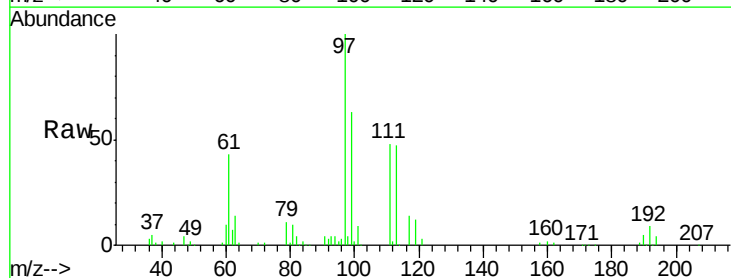
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

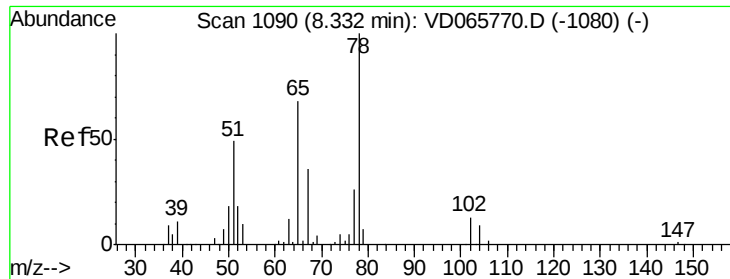
Tot Ion: 56 Resp: 152520
Ion Ratio Lower Upper
56 100
69 34.0 28.5 42.7
84 85.5 68.4 102.6



#32
1,1,1-Trichloroethane
Concen: 45.052 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion: 97 Resp: 160358
Ion Ratio Lower Upper
97 100
99 63.2 49.2 73.8
61 45.3 36.0 54.0

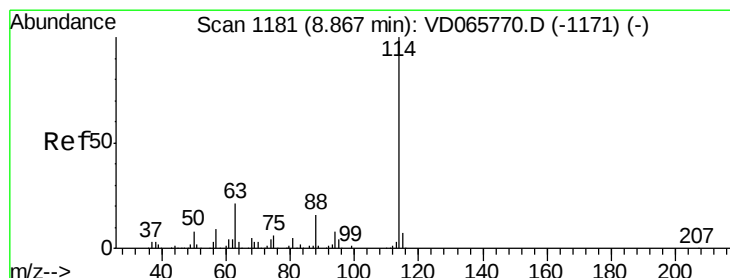
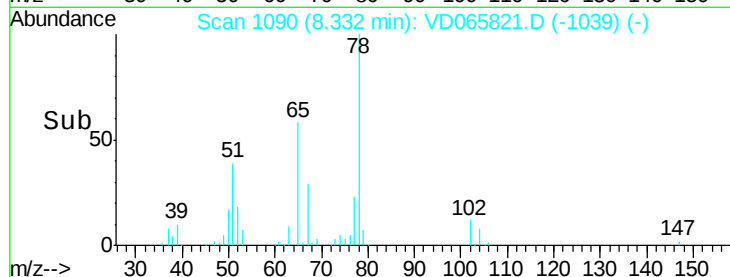
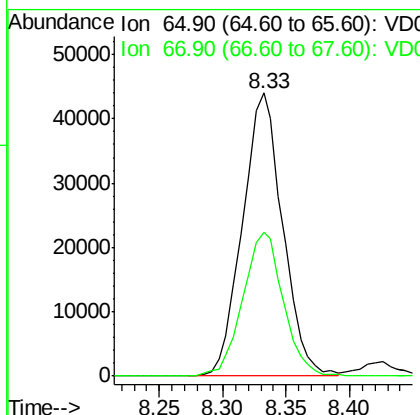
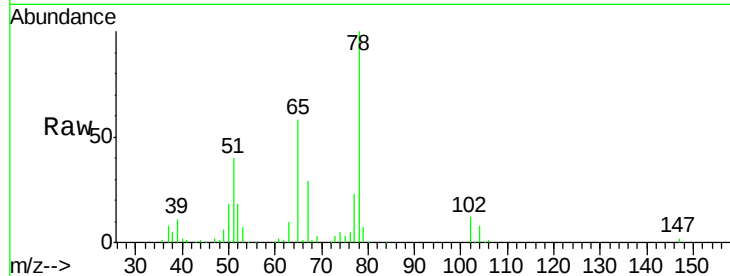




#33
 1,2-Dichloroethane-d4
 Concen: 48.601 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

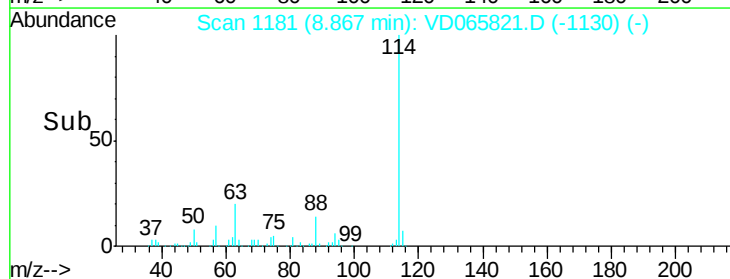
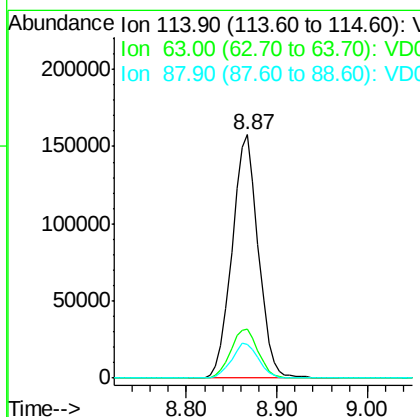
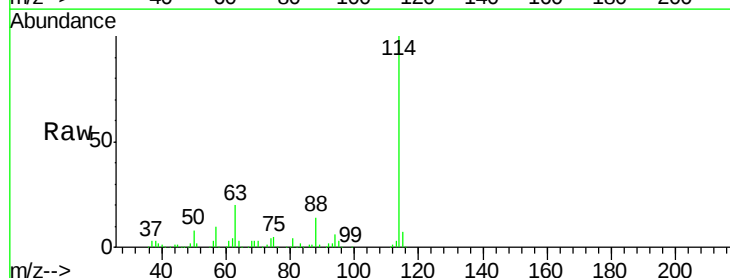
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

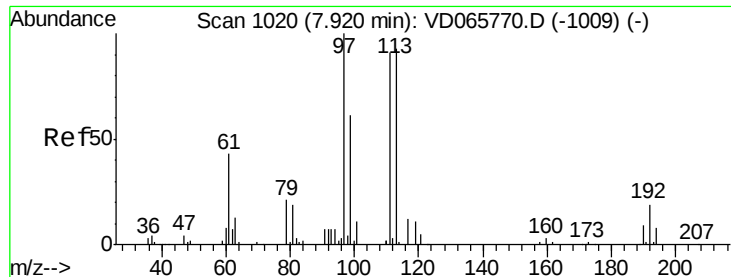
Tot Ion: 65 Resp: 97026
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Tgt Ion: 114 Resp: 317273
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.8
 88 13.8 0.0 32.0

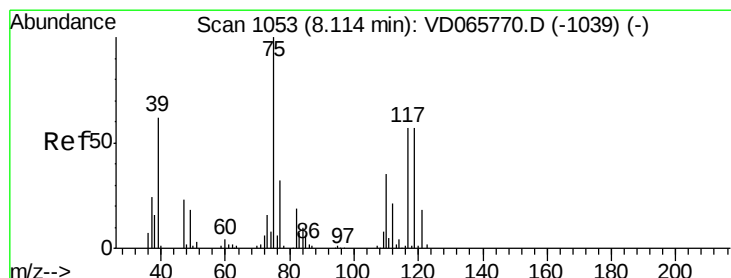
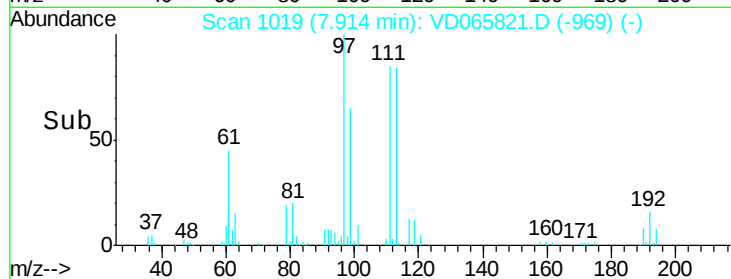
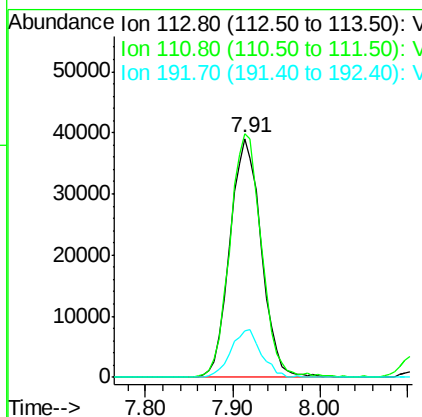
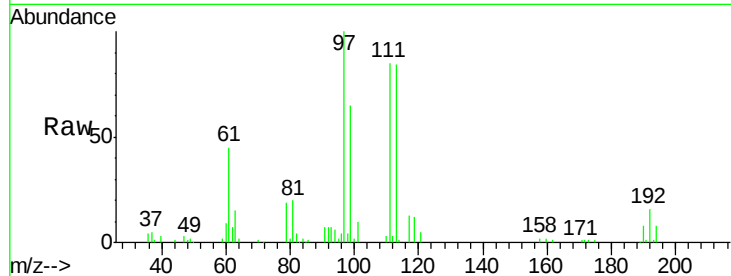




#35
 Dibromofluoromethane
 Concen: 47.390 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

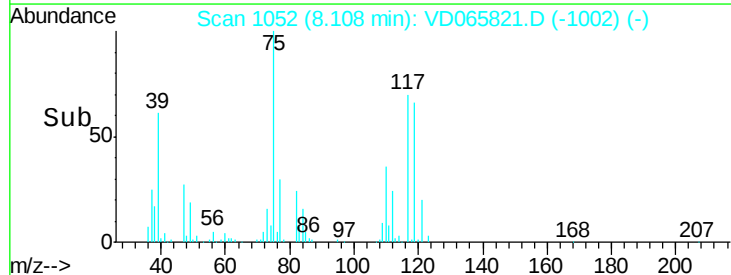
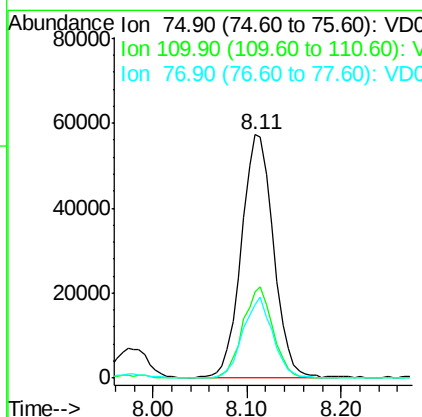
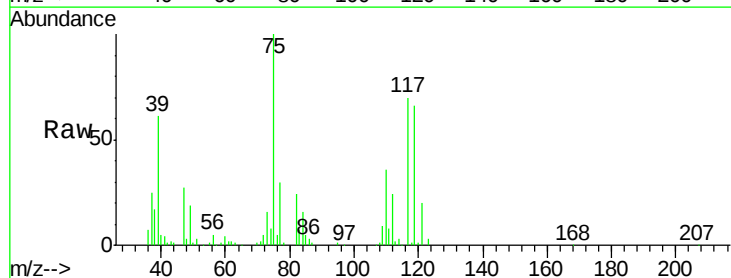
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

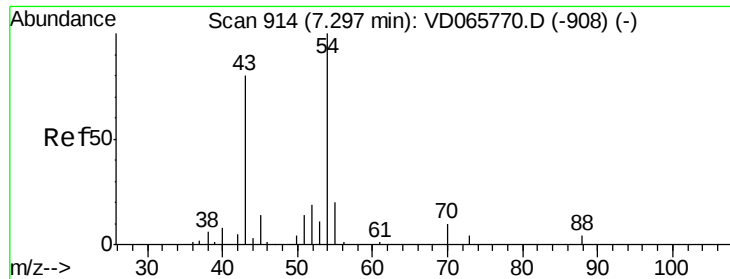
Tot Ion:113 Resp: 94974
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.4 125.0
 192 19.1 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 44.817 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Tgt Ion: 75 Resp: 136211
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.6 52.8
 77 31.0 25.1 37.7

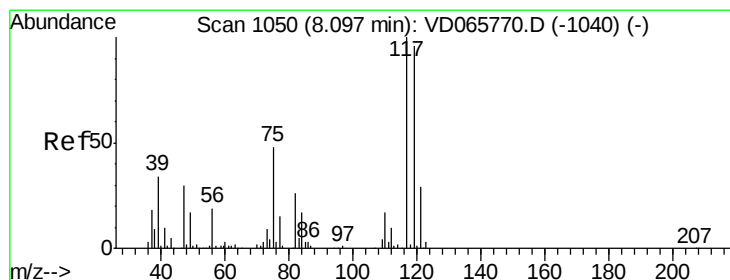
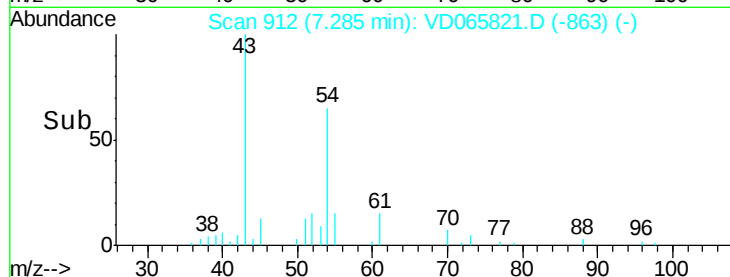
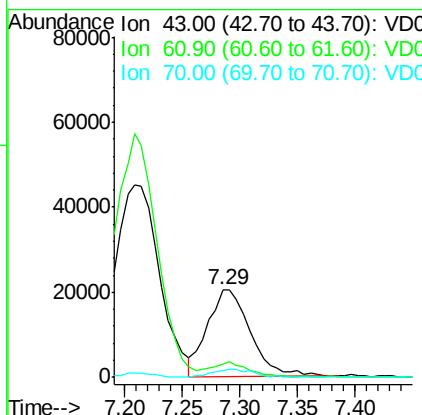
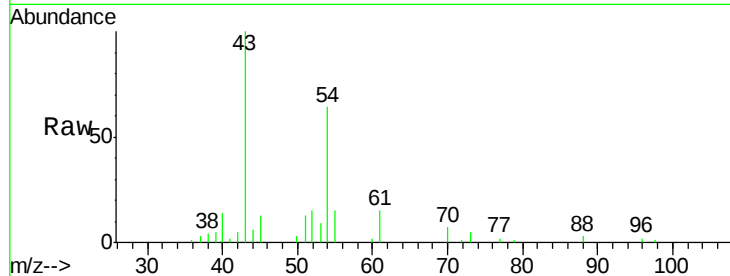




#37
Ethyl Acetate
Concen: 43.828 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

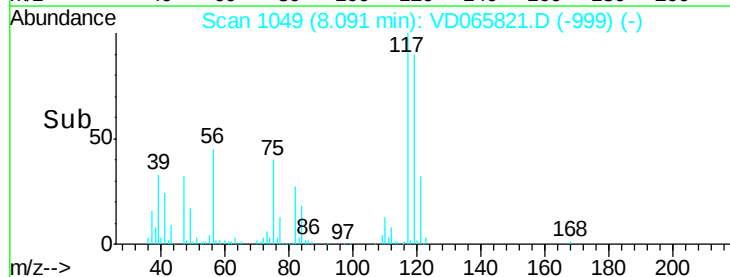
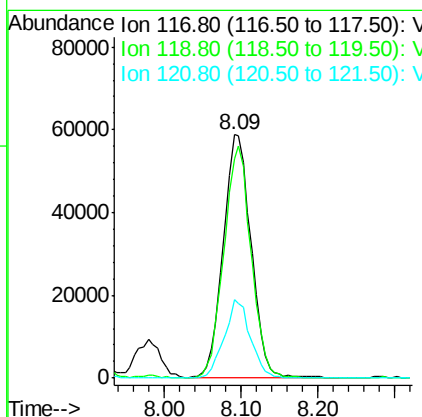
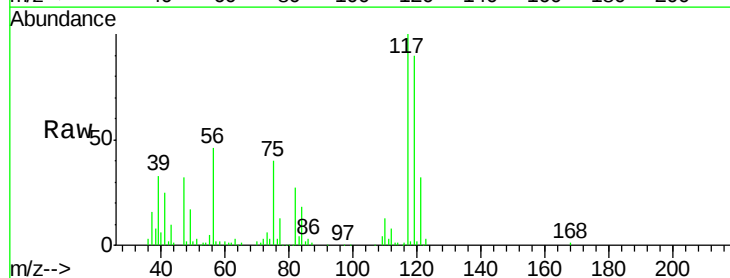
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

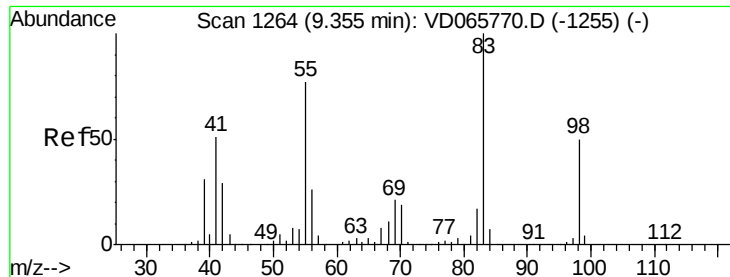
Tot Ion: 43 Resp: 52468
Ion Ratio Lower Upper
43 100
61 15.2 10.6 15.8
70 9.2 7.5 11.3



#38
Carbon Tetrachloride
Concen: 46.499 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion: 117 Resp: 148730
Ion Ratio Lower Upper
117 100
119 90.3 76.8 115.2
121 32.3 23.4 35.2

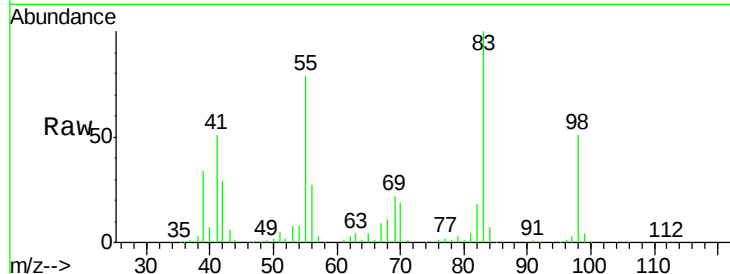




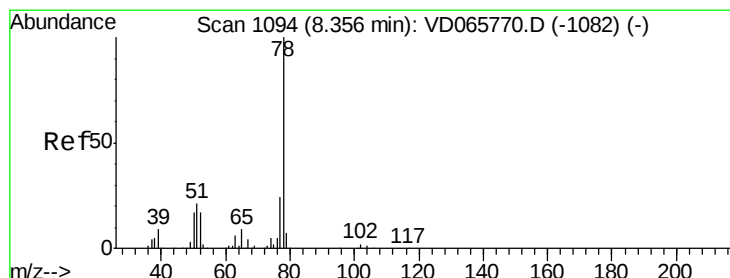
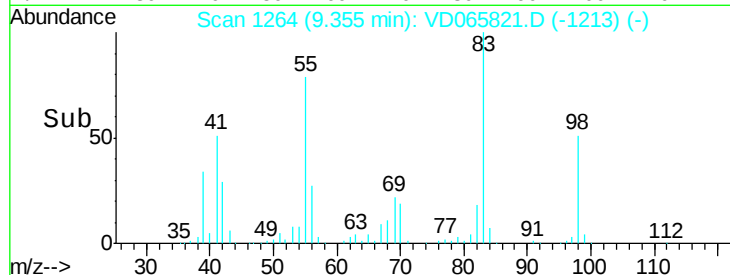
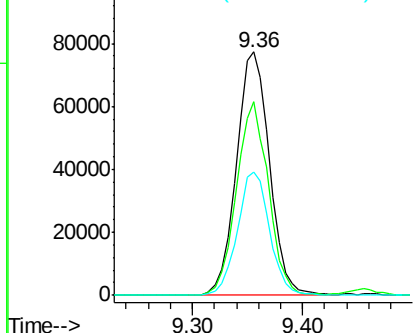
#39
Methvlcvclohexane
Concen: 45.259 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 162861
Ion Ratio Lower Upper
83 100
55 79.5 61.6 92.4
98 50.6 40.2 60.2

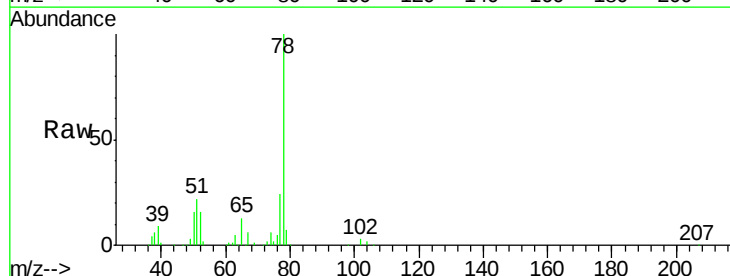


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

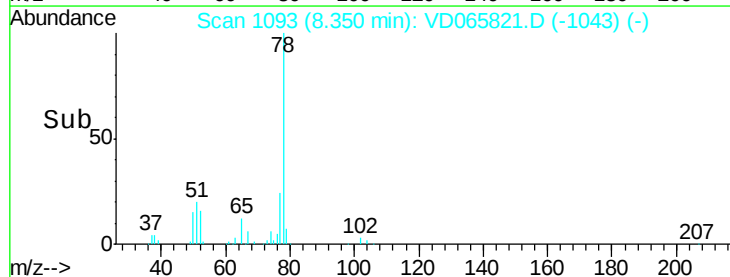
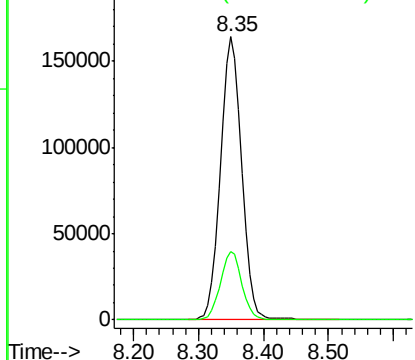


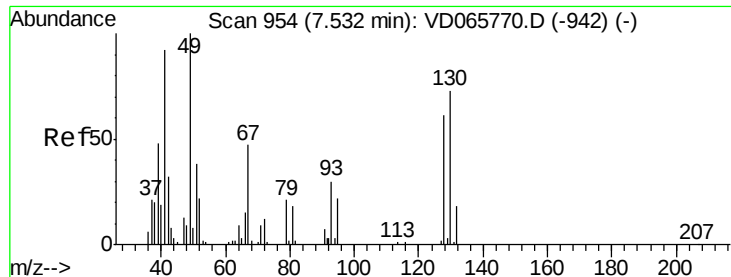
#40
Benzene
Concen: 44.682 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion: 78 Resp: 371252
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8



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





#41

Methacrylonitrile

Concen: 46.238 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 32959

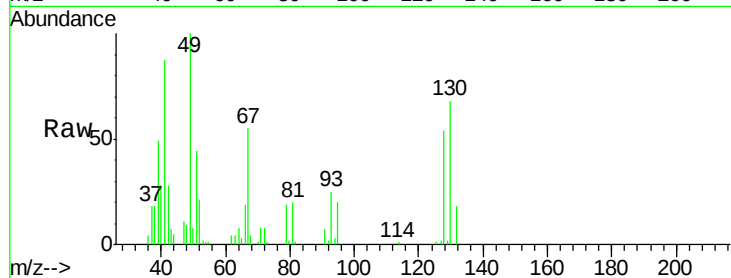
Ion Ratio Lower Upper

41 100

39 54.6 38.3 57.5

67 68.4 49.8 74.6

52 30.6 21.7 32.5

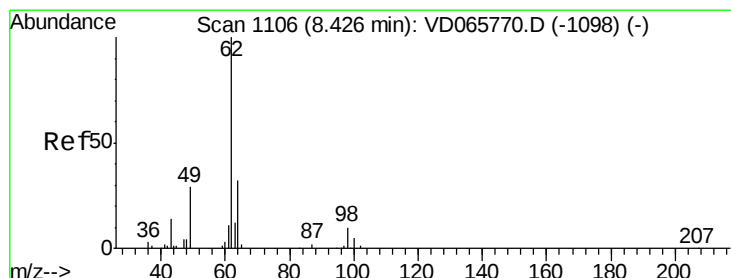
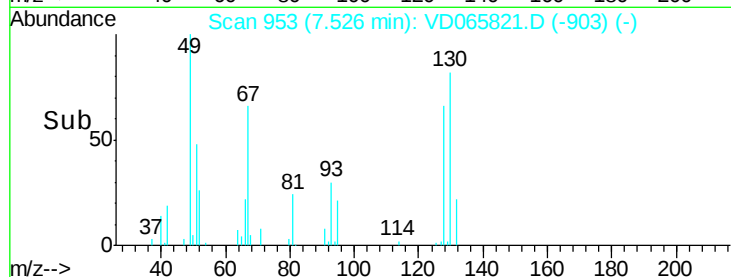
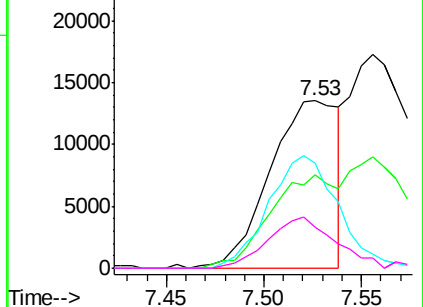


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 43.389 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065821.D

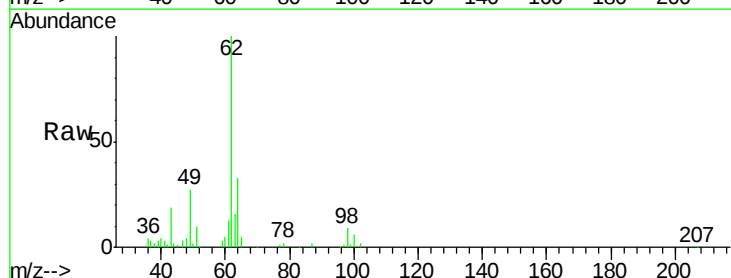
Acq: 19 Jun 2020 11:28

Tgt Ion: 62 Resp: 108775

Ion Ratio Lower Upper

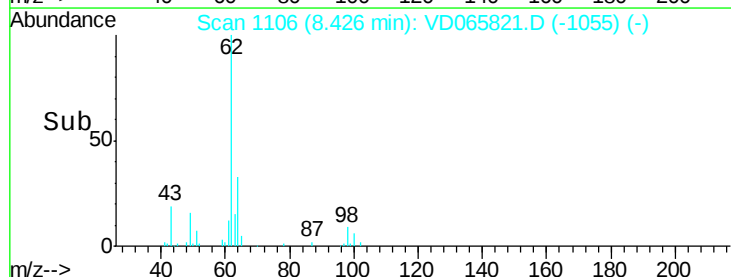
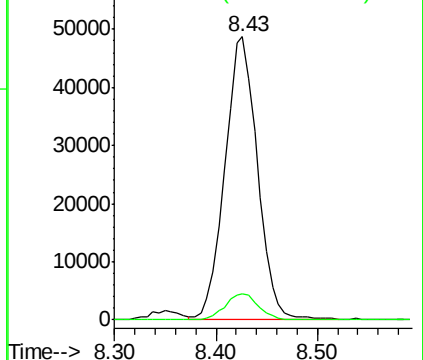
62 100

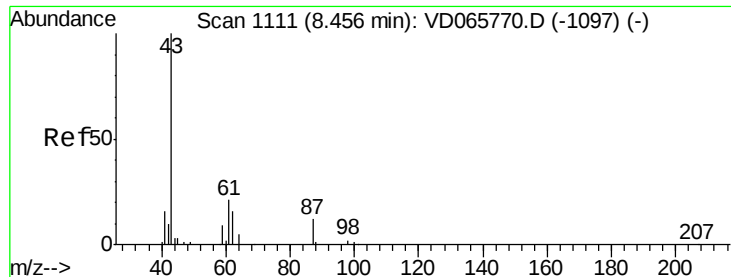
98 9.4 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 43.766 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

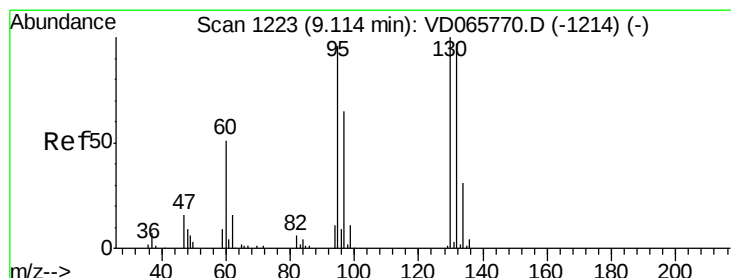
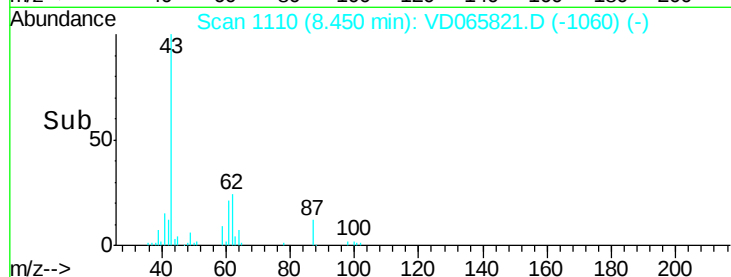
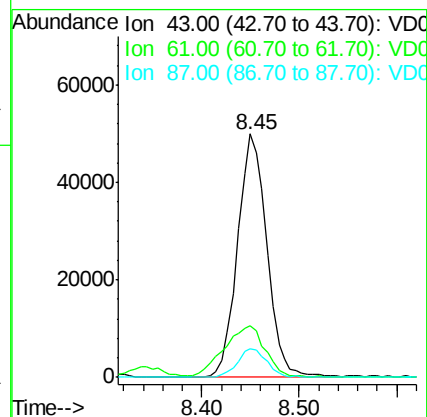
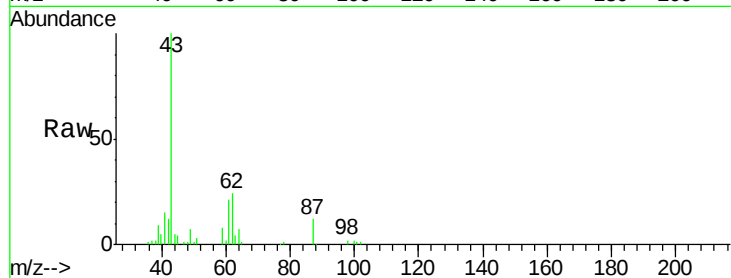
Tot Ion: 43 Resp: 104185

Ion Ratio Lower Upper

43 100

61 30.1 24.2 36.4

87 11.6 9.5 14.3



#44

Trichloroethene

Concen: 43.434 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065821.D

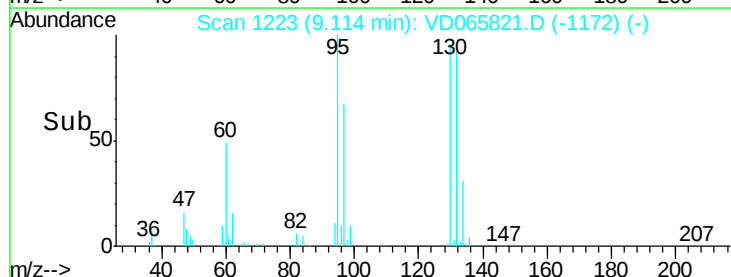
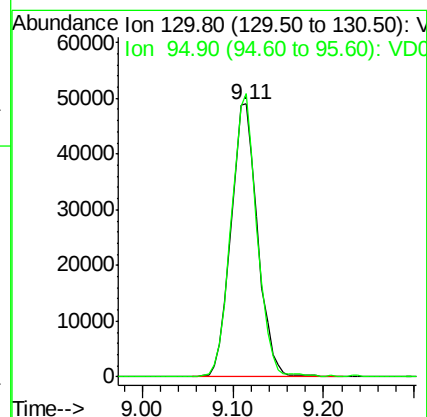
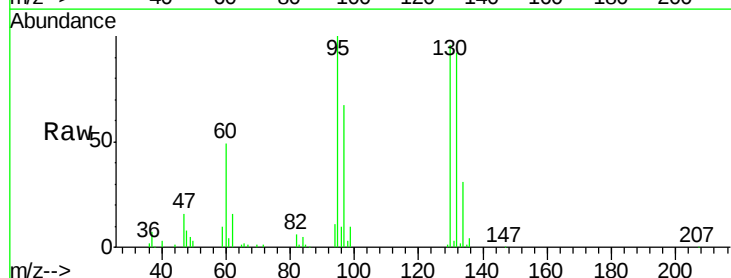
Acq: 19 Jun 2020 11:28

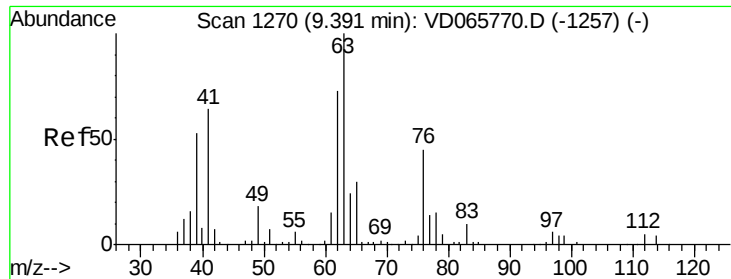
Tgt Ion: 130 Resp: 100430

Ion Ratio Lower Upper

130 100

95 103.8 0.0 192.8

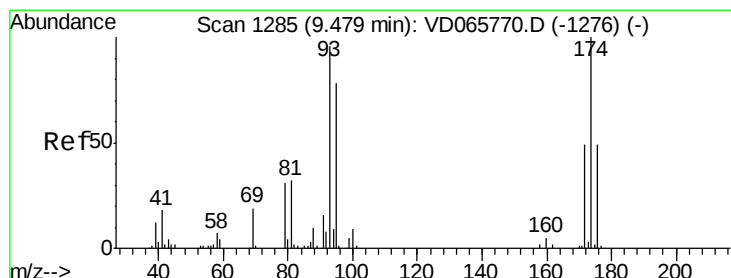
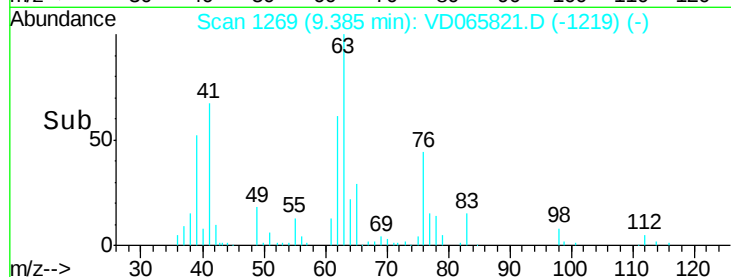
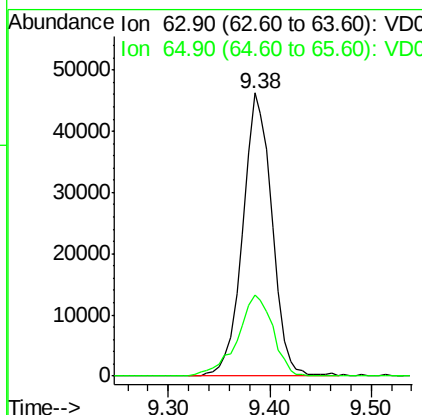
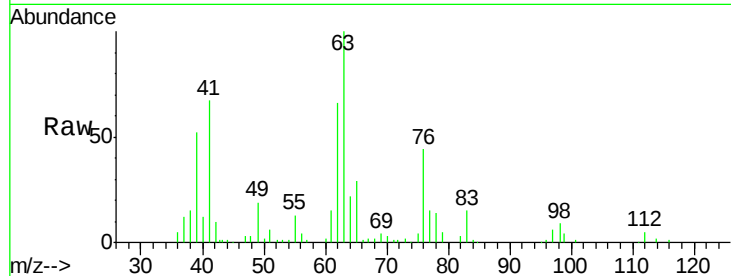




#45
 1,2-Dichloropropane
 Concen: 44.200 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

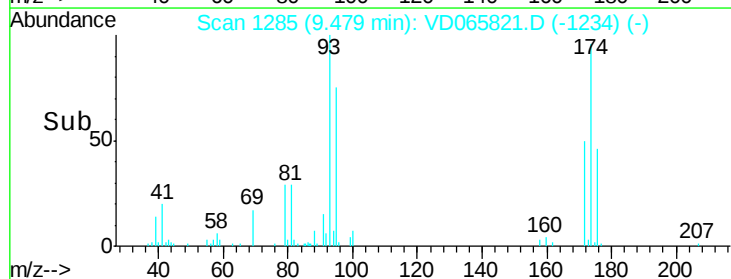
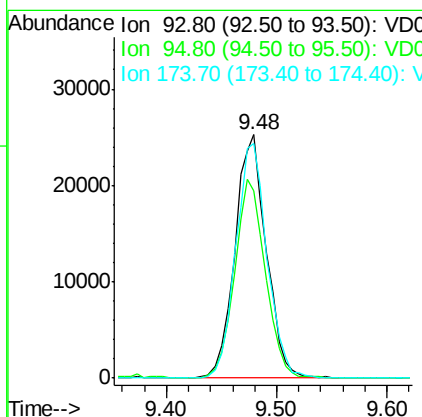
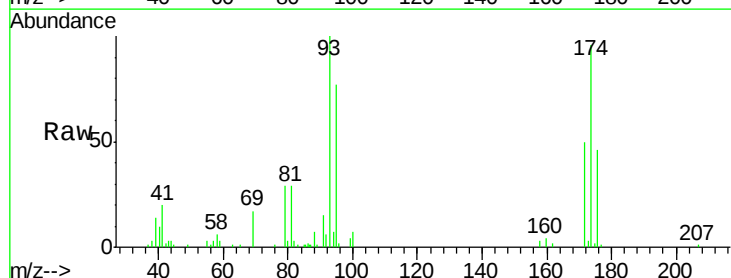
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

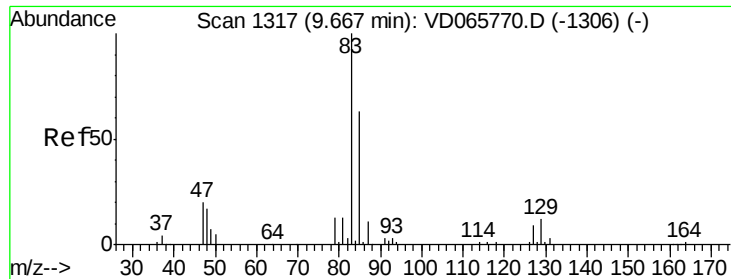
Tot Ion: 63 Resp: 92276
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.2 36.2



#46
 Dibromomethane
 Concen: 44.314 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Tgt Ion: 93 Resp: 50175
 Ion Ratio Lower Upper
 93 100
 95 80.3 65.8 98.6
 174 96.7 80.9 121.3





#47

Bromodichloromethane

Concen: 43.510 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

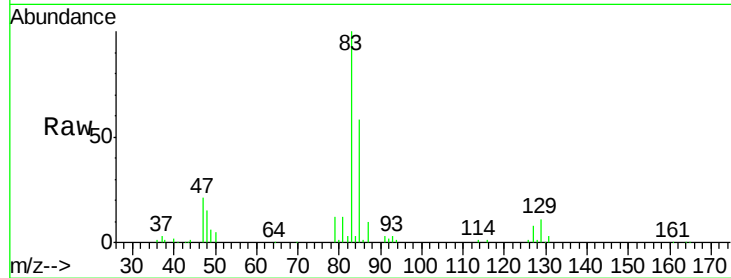
Tot Ion: 83 Resp: 132014

Ion Ratio Lower Upper

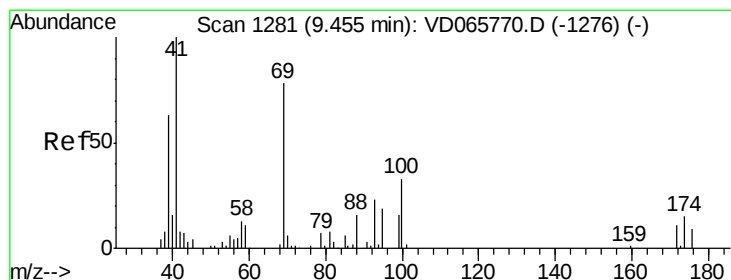
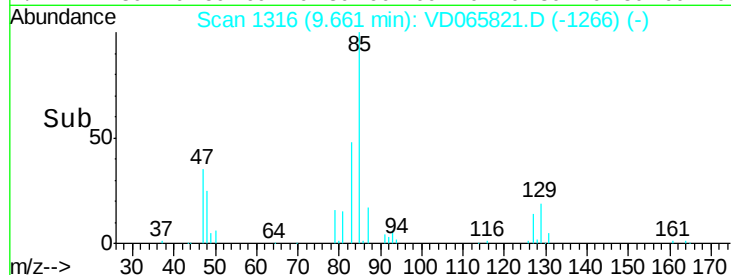
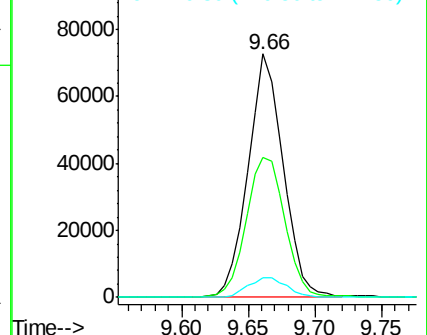
83 100

85 57.7 50.7 76.1

127 8.0 7.1 10.7



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): V



#48

Methyl methacrylate

Concen: 46.473 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

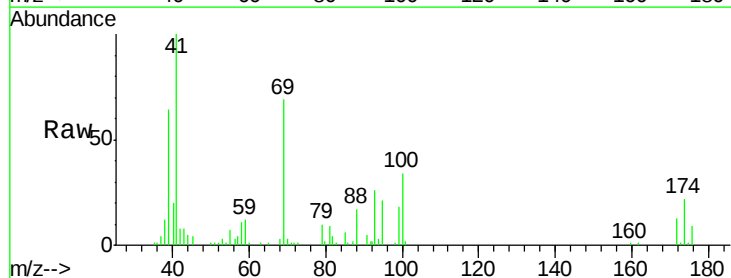
Tgt Ion: 41 Resp: 53549

Ion Ratio Lower Upper

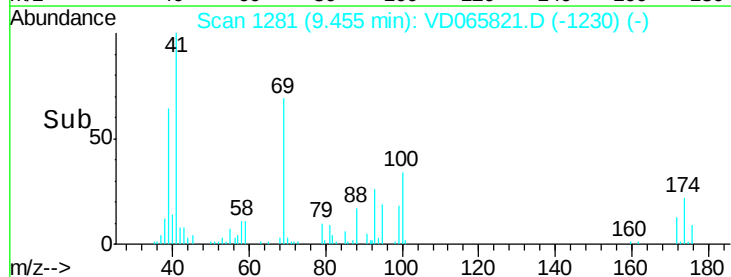
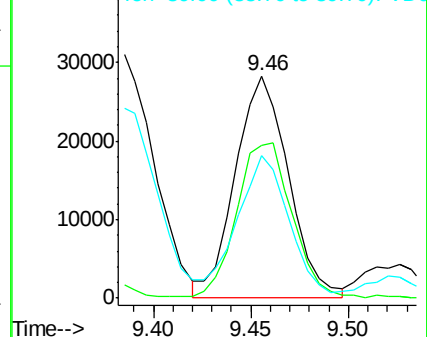
41 100

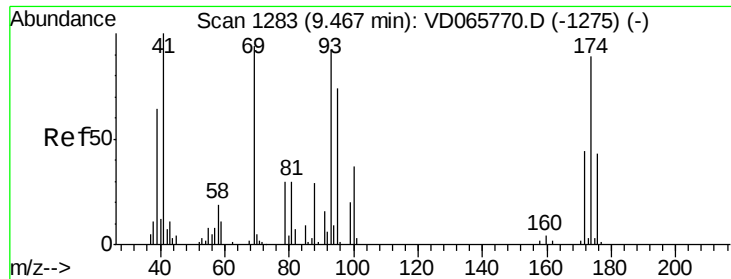
69 72.5 60.9 91.3

39 58.7 48.1 72.1



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

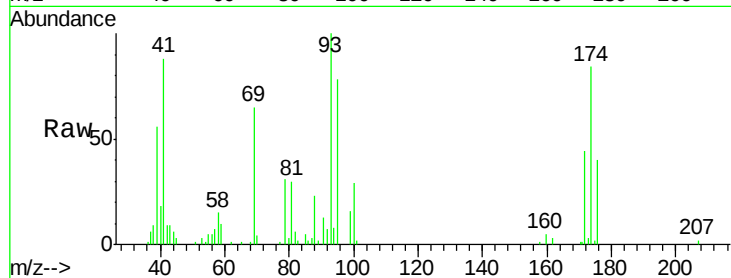




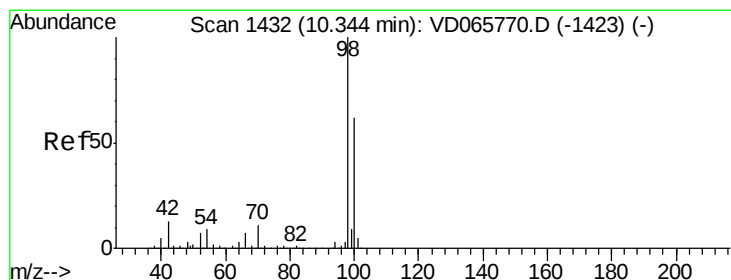
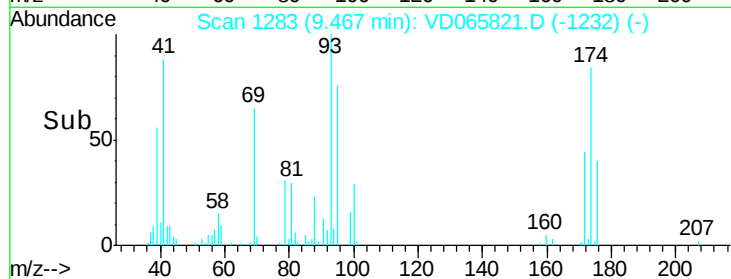
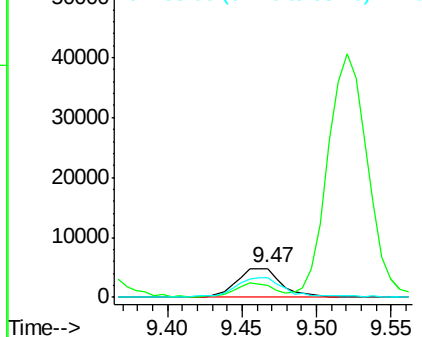
#49
1,4-Dioxane
Concen: 825.283 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 9946
Ion Ratio Lower Upper
88 100
43 42.9 32.2 48.4
58 77.6 54.9 82.3

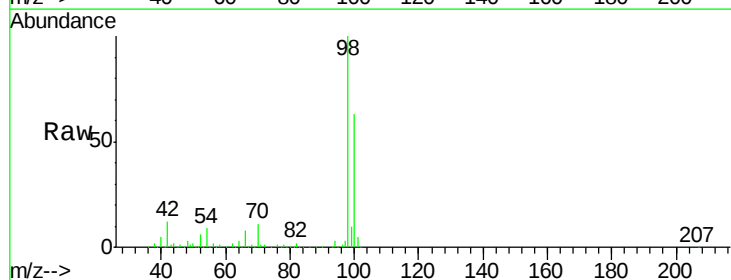


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

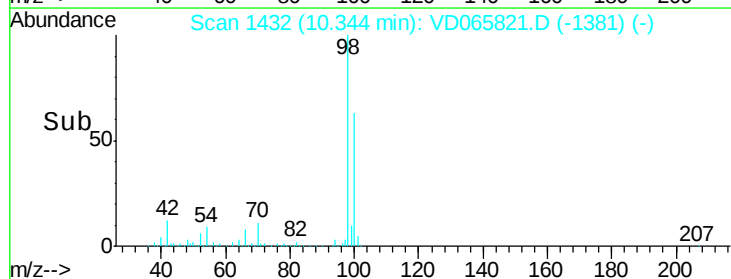
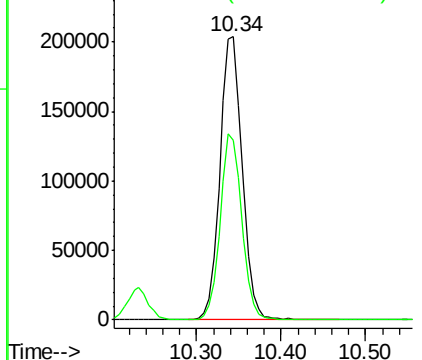


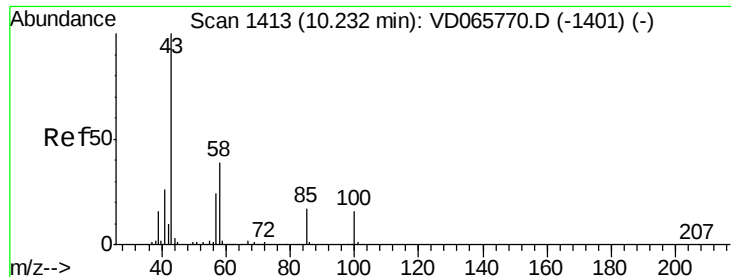
#50
Toluene-d8
Concen: 49.889 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion: 98 Resp: 372824
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.2



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

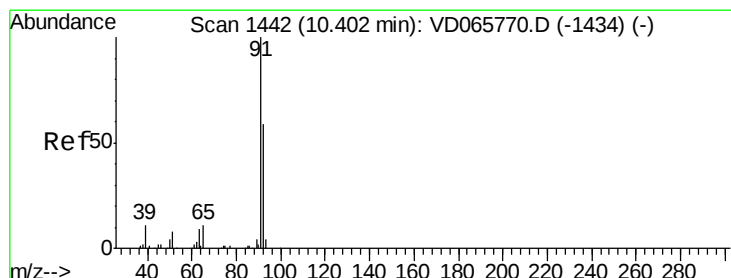
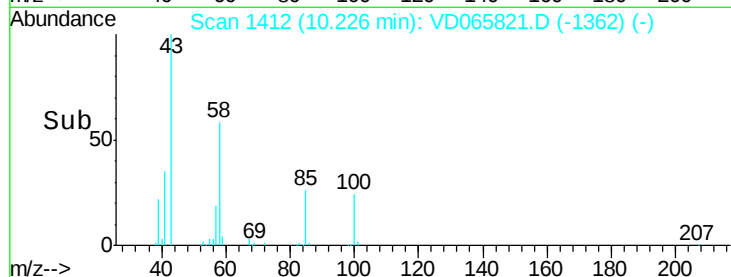
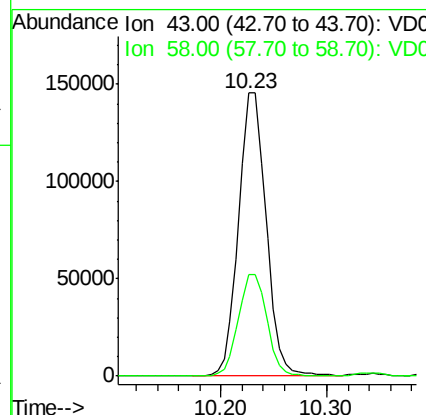
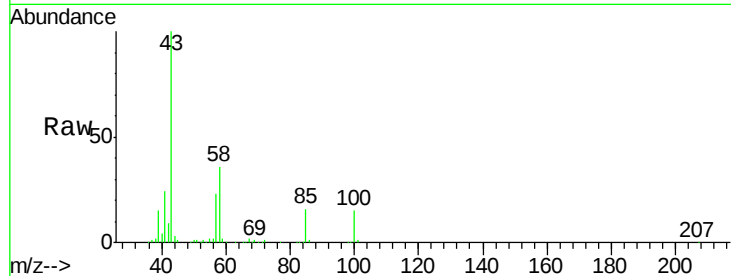




#51
4-Methyl-2-Pentanone
Concen: 226.023 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

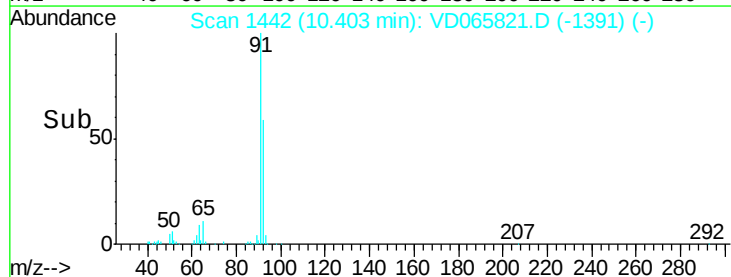
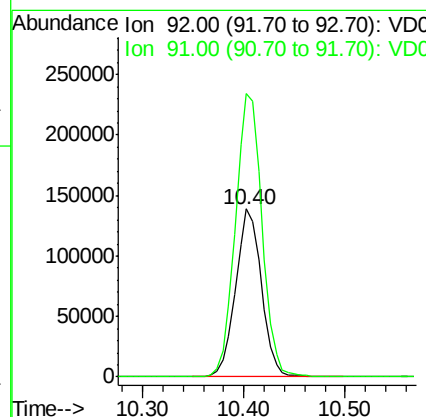
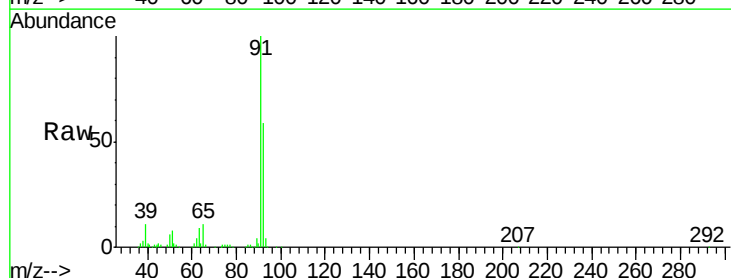
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

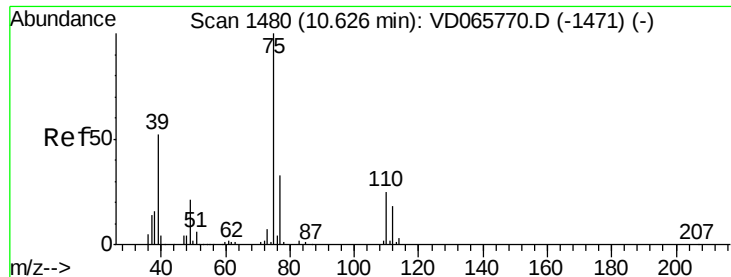
Tot Ion: 43 Resp: 263649
Ion Ratio Lower Upper
43 100
58 37.2 30.7 46.1



#52
Toluene
Concen: 45.480 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion: 92 Resp: 245533
Ion Ratio Lower Upper
92 100
91 173.6 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 44.408 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

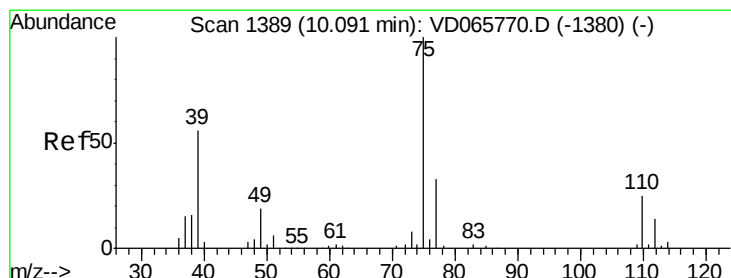
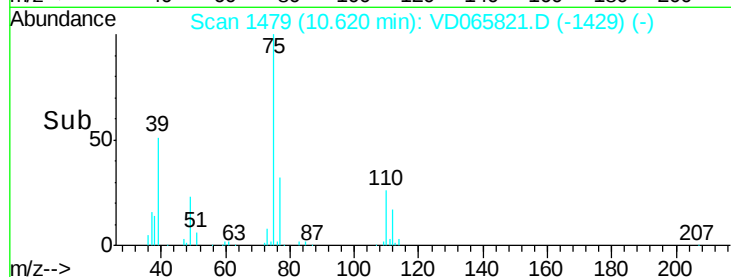
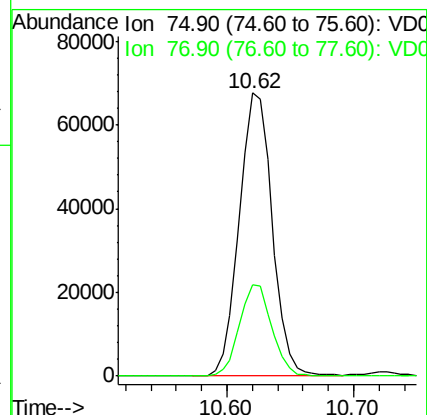
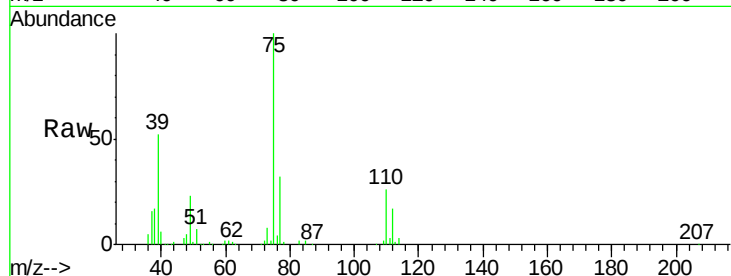
VSTDCCC050

Tot Ion: 75 Resp: 122012

Ion Ratio Lower Upper

75 100

77 32.4 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 45.302 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

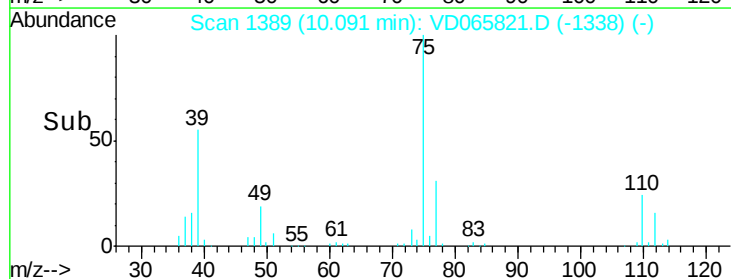
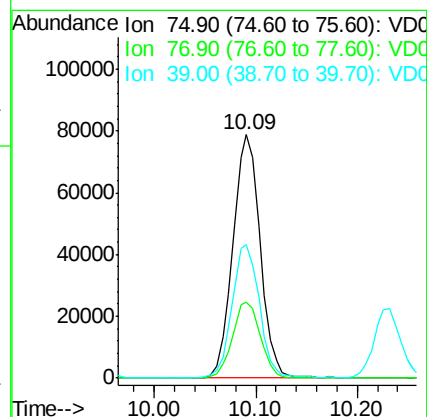
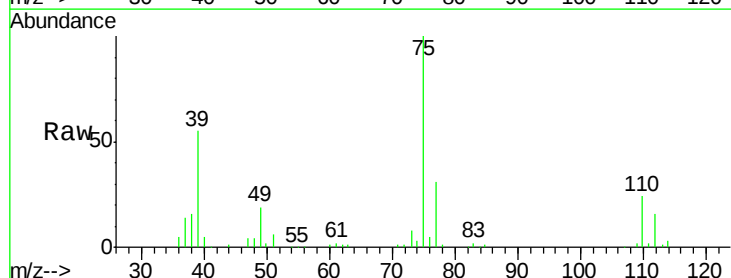
Tgt Ion: 75 Resp: 147001

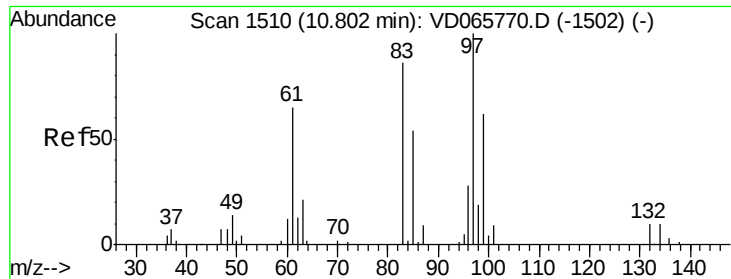
Ion Ratio Lower Upper

75 100

77 31.3 26.0 39.0

39 54.9 45.0 67.6



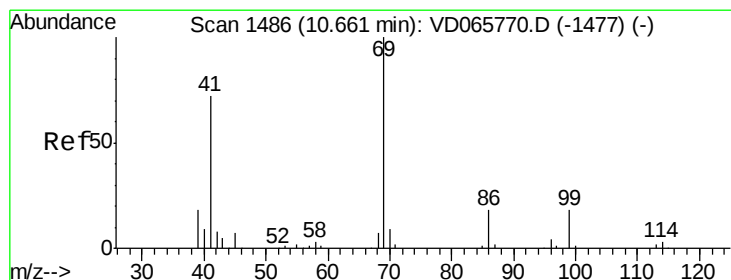
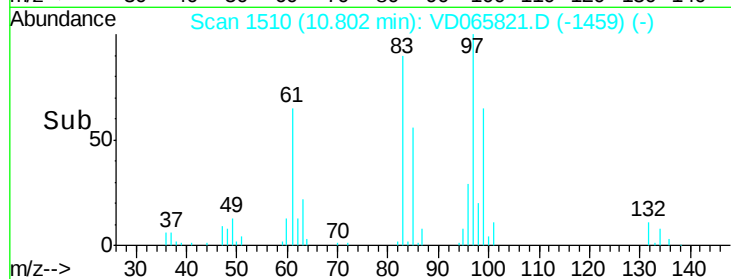
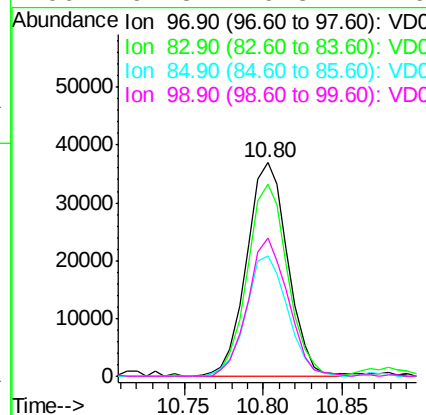
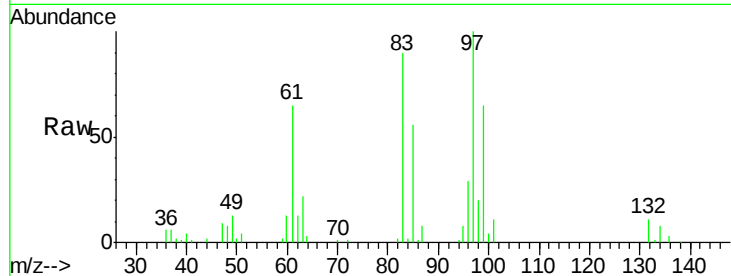


#55
 1,1,2-Trichloroethane
 Concen: 44.162 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 66812

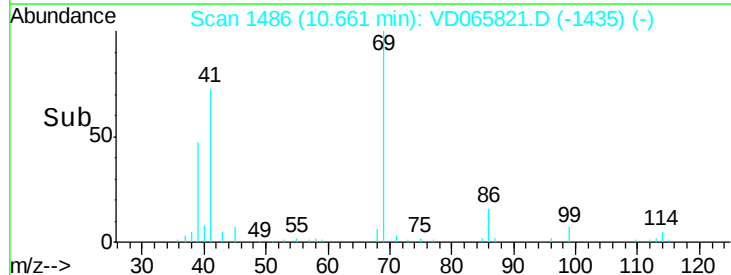
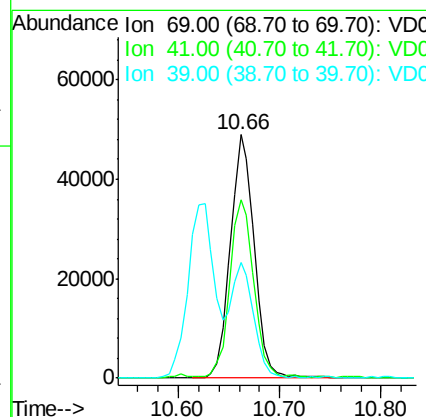
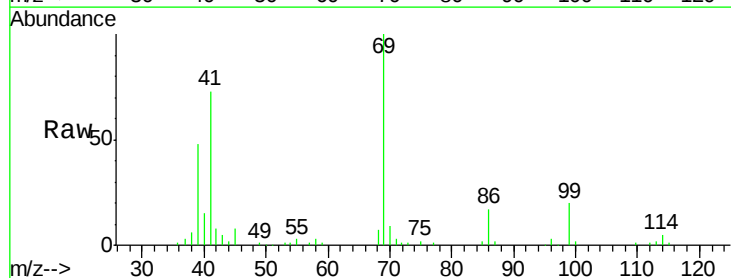
Ion	Ratio	Lower	Upper
97	100		
83	89.9	68.7	103.1
85	56.3	43.0	64.6
99	64.8	49.8	74.6

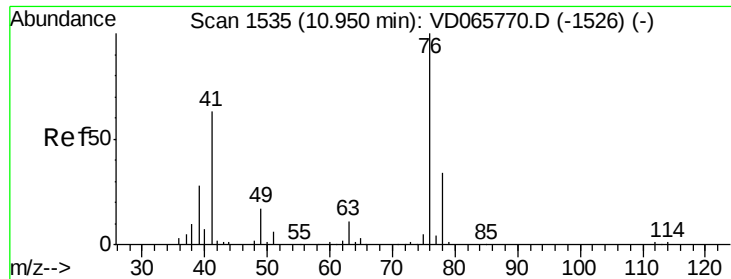


#56
 Ethyl methacrylate
 Concen: 45.032 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Tgt Ion: 69 Resp: 80134

Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.9	85.3
39	44.7	36.0	54.0

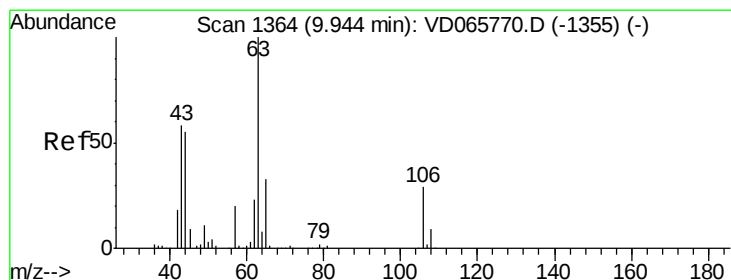
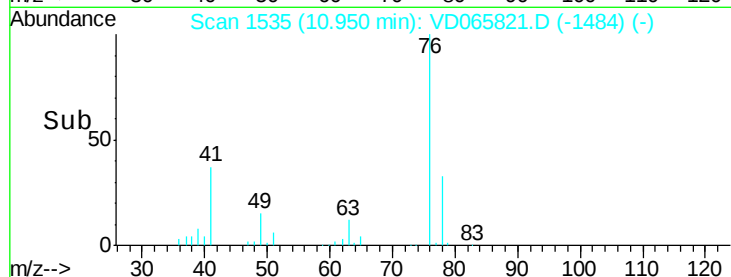
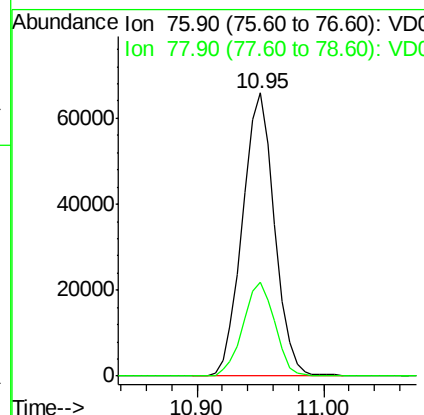
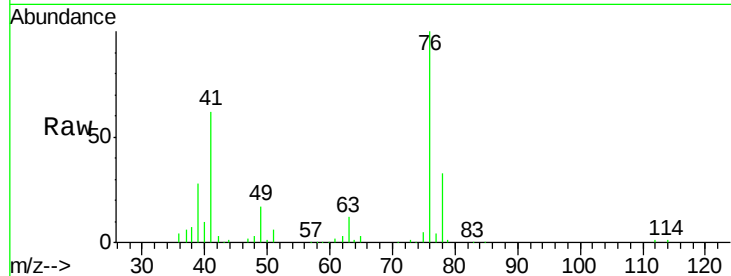




#57
 1,3-Dichloropropane
 Concen: 44.064 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

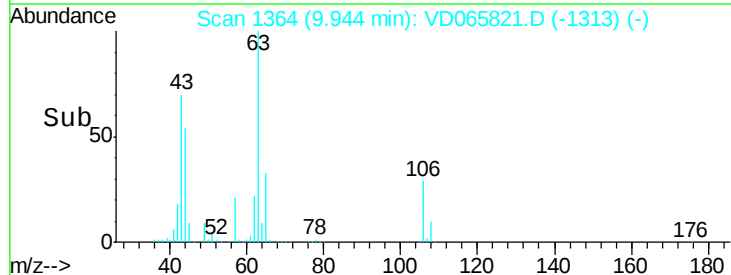
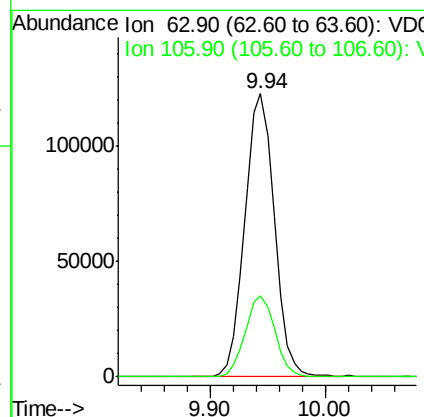
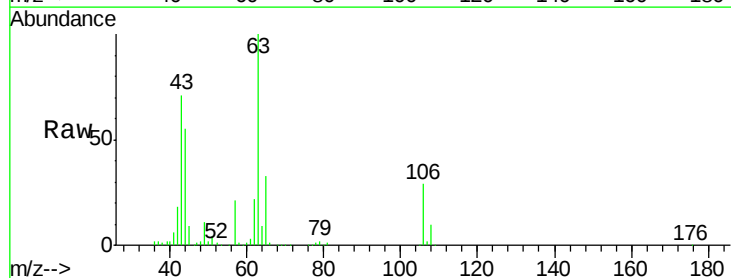
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

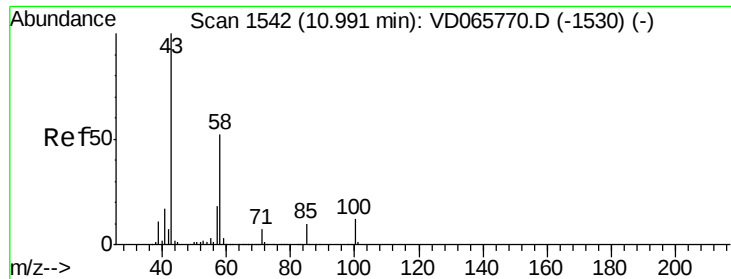
Tot Ion: 76 Resp: 115495
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.374 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Tgt Ion: 63 Resp: 219545
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.2 34.8

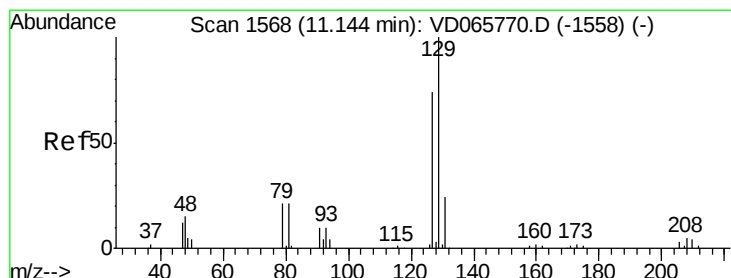
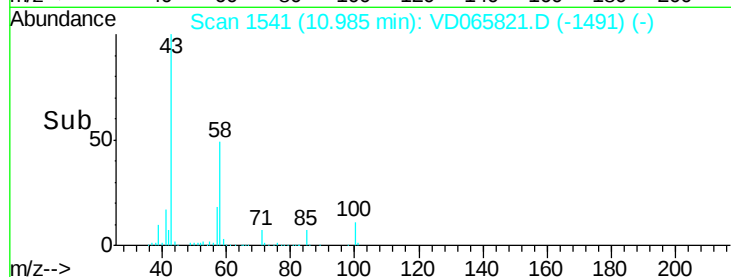
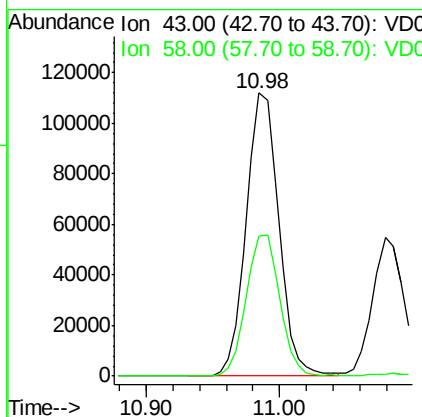
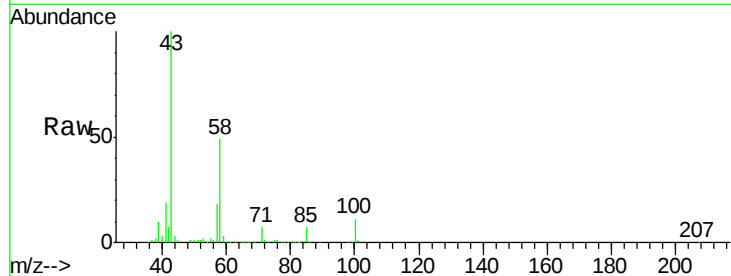




#59
2-Hexanone
Concen: 240.969 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

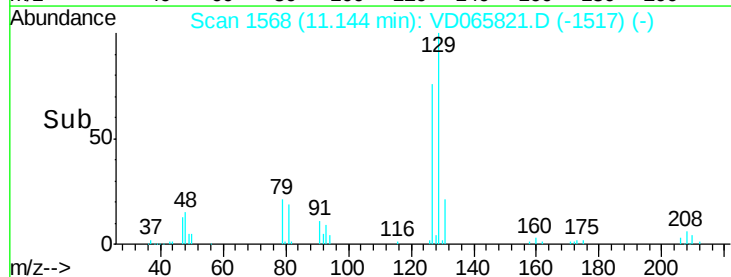
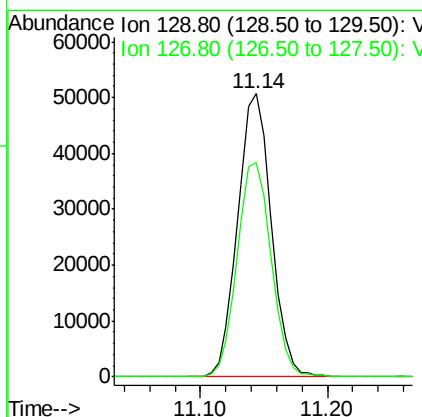
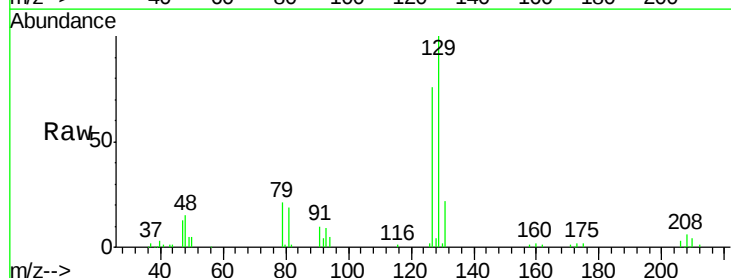
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

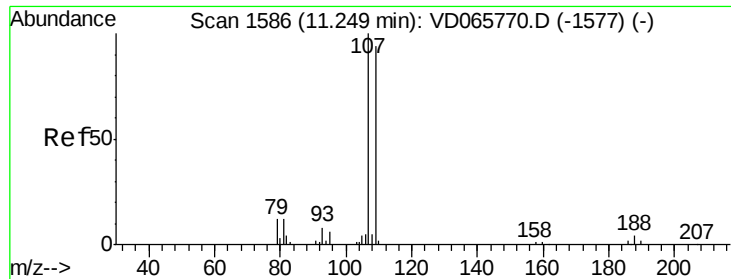
Tot Ion: 43 Resp: 189504
Ion Ratio Lower Upper
43 100
58 51.2 25.7 77.0



#60
Dibromochloromethane
Concen: 45.658 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion: 129 Resp: 93314
Ion Ratio Lower Upper
129 100
127 76.6 38.0 113.9

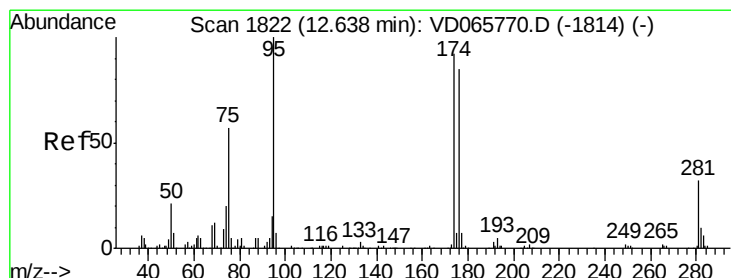
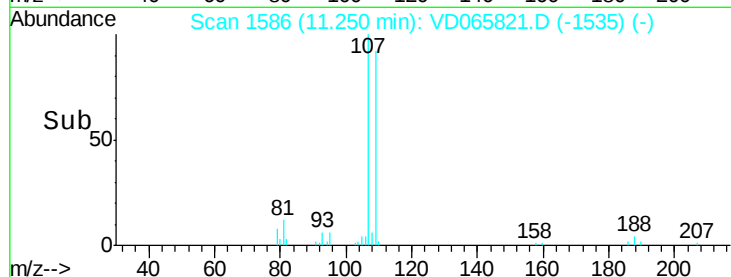
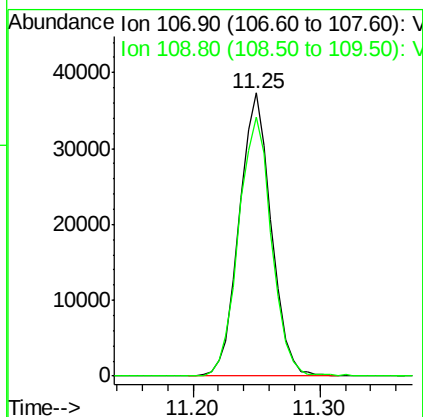
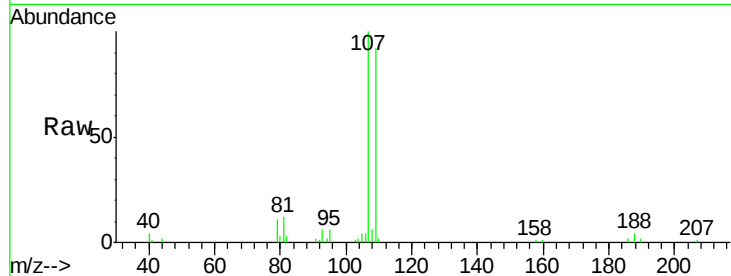




#61
 1,2-Dibromoethane
 Concen: 43.819 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

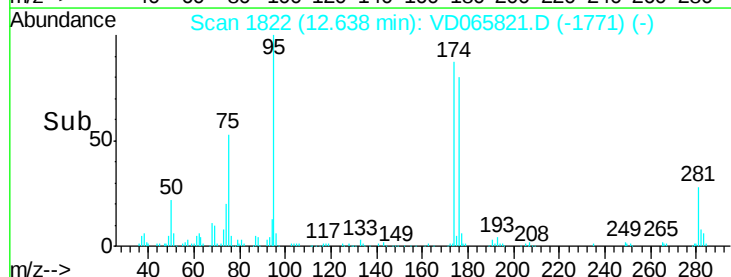
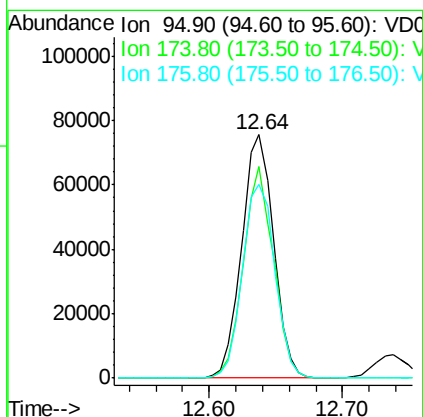
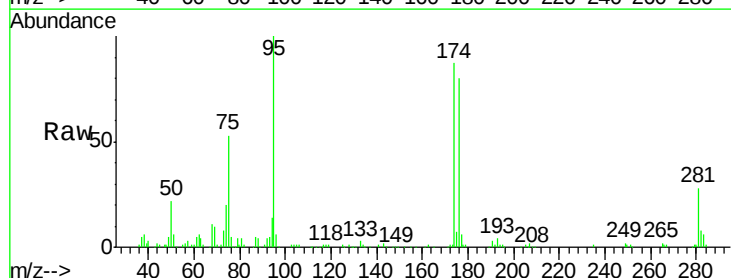
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

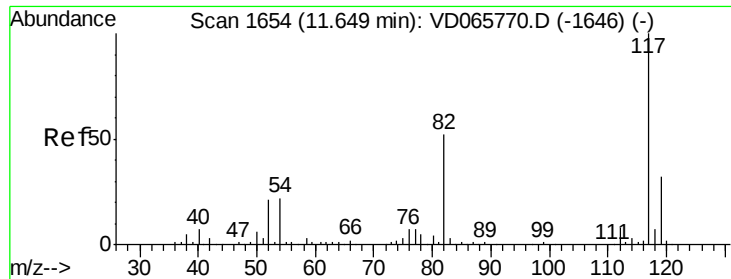
Tot Ion: 107 Resp: 65150
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 49.229 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Tgt Ion: 95 Resp: 124764
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 175.2
 176 80.9 0.0 163.0

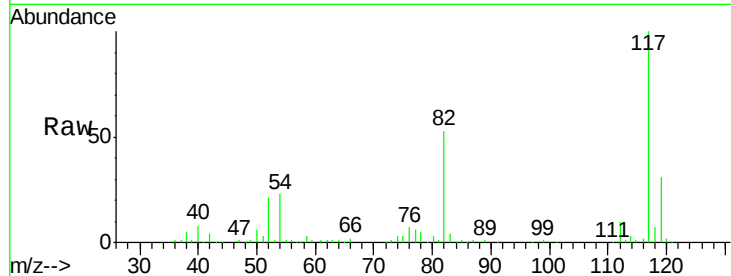




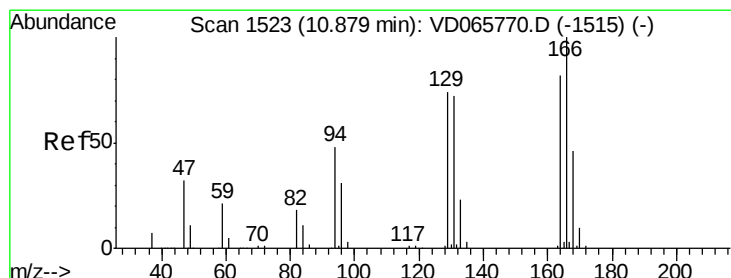
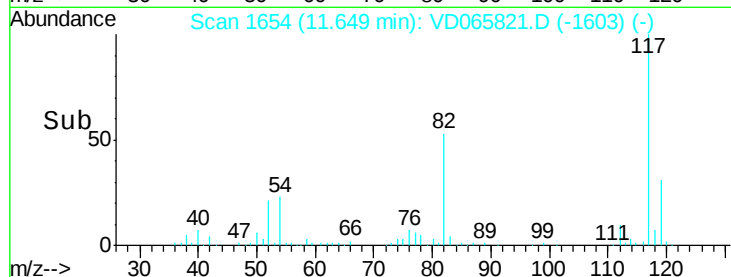
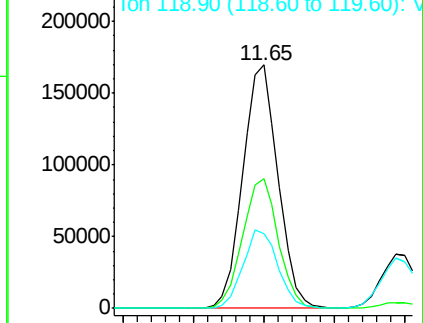
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 296180
Ion Ratio Lower Upper
117 100
82 53.2 41.9 62.9
119 30.9 25.3 37.9

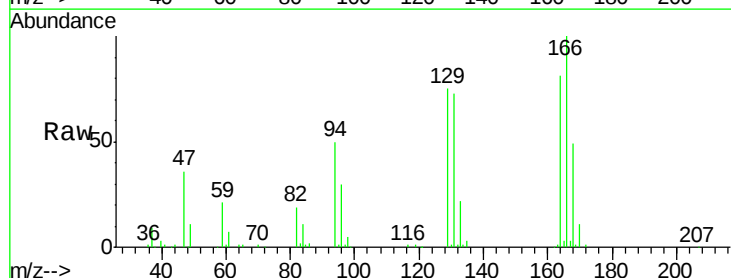


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

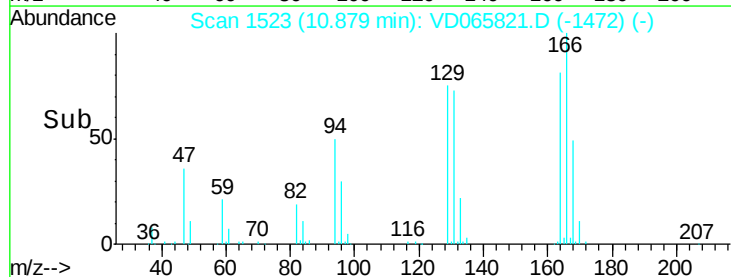
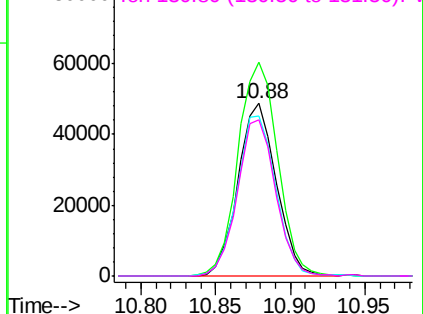


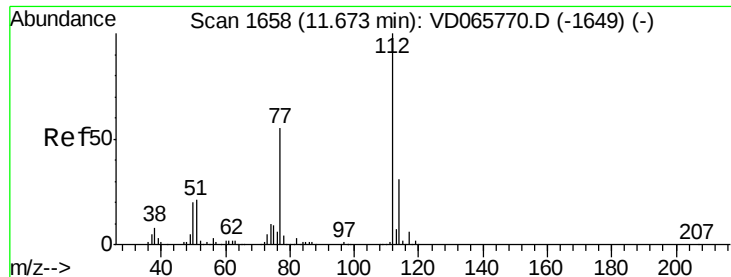
#64
Tetrachloroethene
Concen: 43.293 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion:164 Resp: 86707
Ion Ratio Lower Upper
164 100
166 123.8 98.2 147.2
129 93.0 72.3 108.5
131 90.4 70.5 105.7



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: 44.456 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

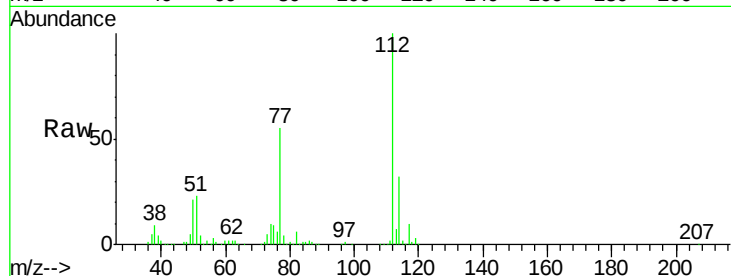
VSTDCCC050

Tot Ion:112 Resp: 257049

Ion Ratio Lower Upper

112 100

114 31.9 24.7 37.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

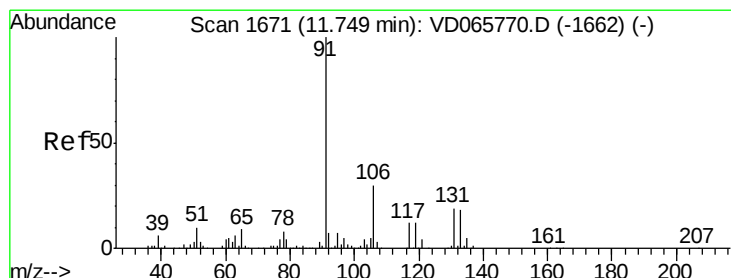
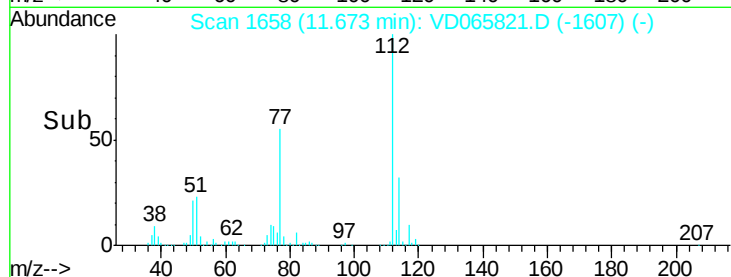
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 43.947 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

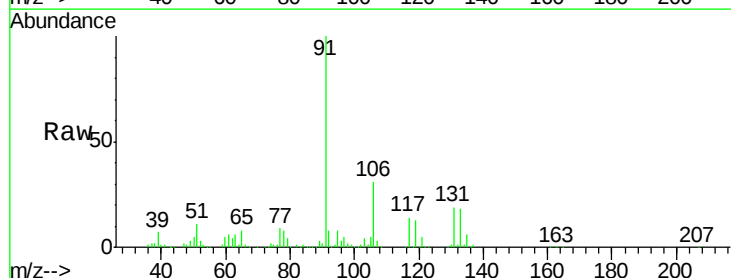
Tgt Ion:131 Resp: 94719

Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.9

119 65.2 31.6 94.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

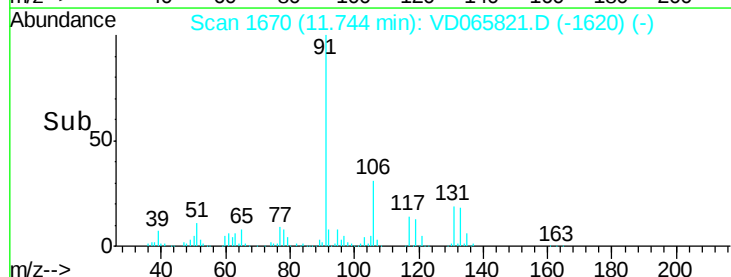
60000

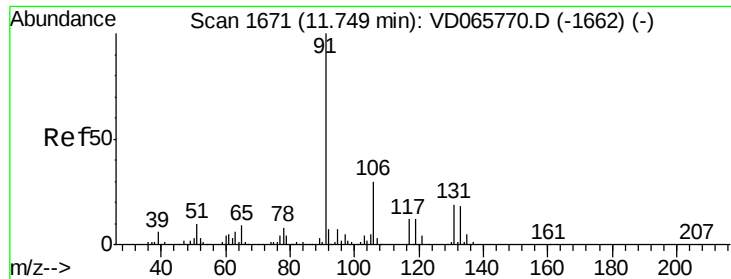
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 46.073 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

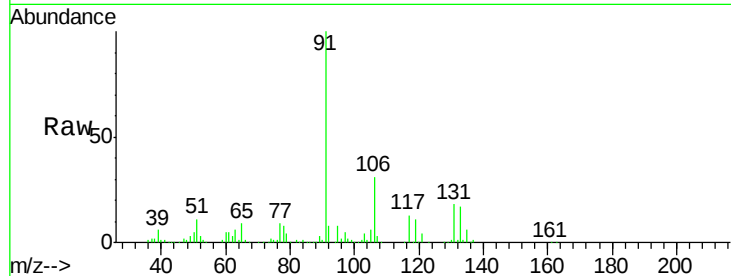
VSTDCCC050

Tot Ion: 91 Resp: 475901

Ion Ratio Lower Upper

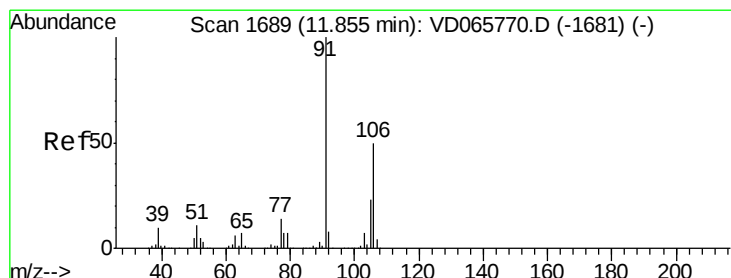
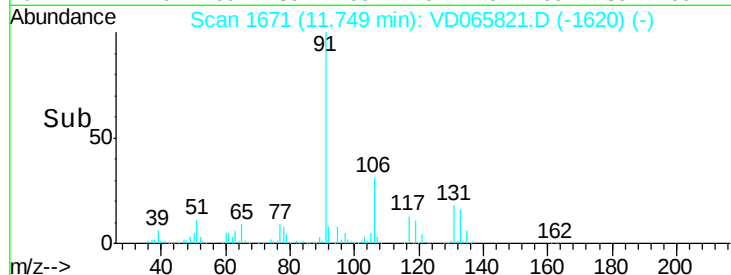
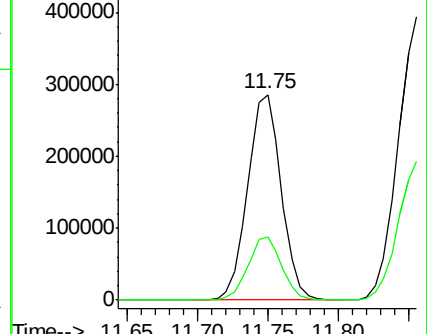
91 100

106 31.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 91.630 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065821.D

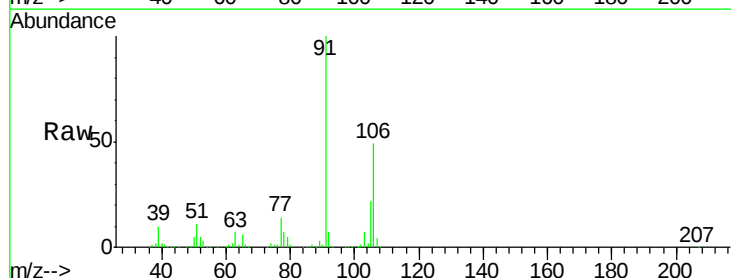
Acq: 19 Jun 2020 11:28

Tgt Ion: 106 Resp: 364568

Ion Ratio Lower Upper

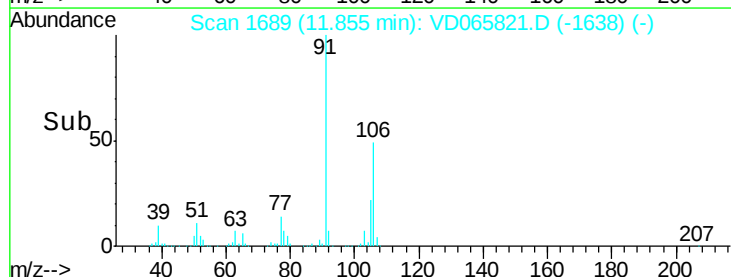
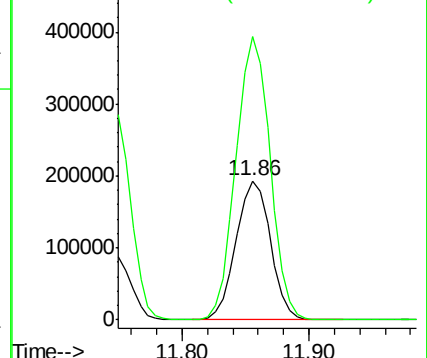
106 100

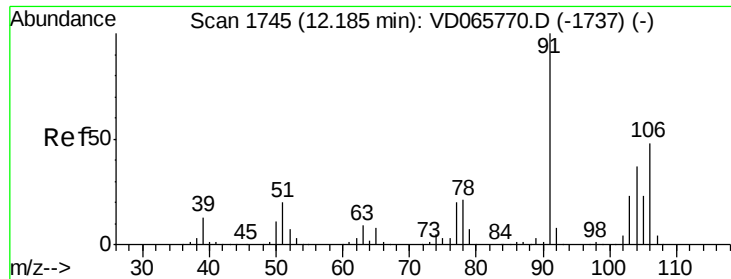
91 202.4 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

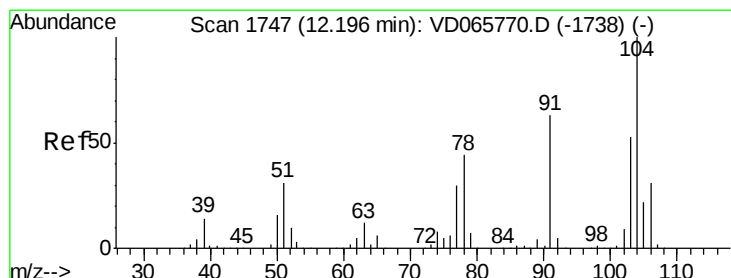
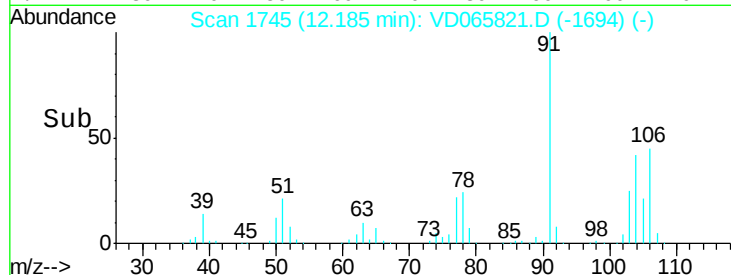
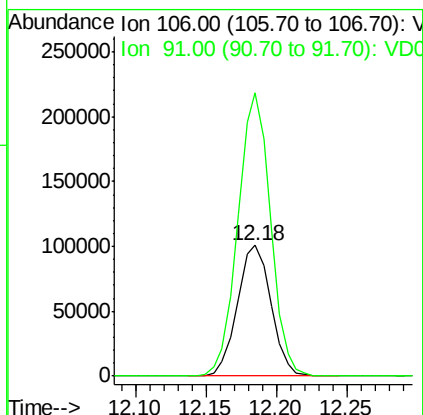
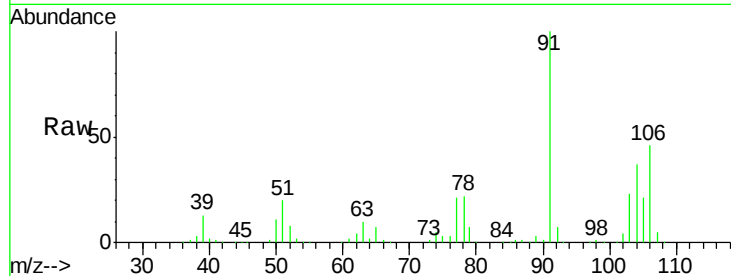




#69
o-Xylene
Concen: 46.867 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

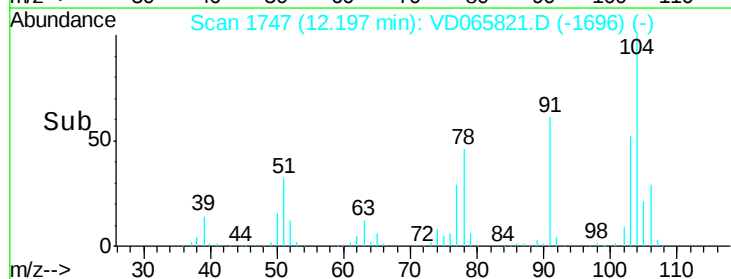
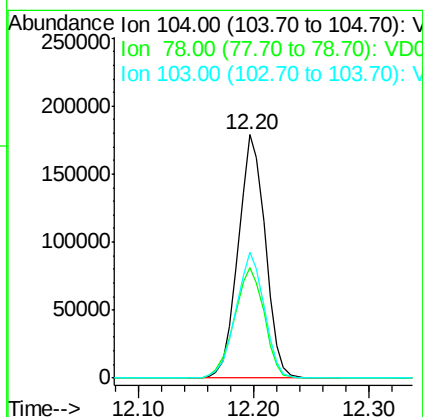
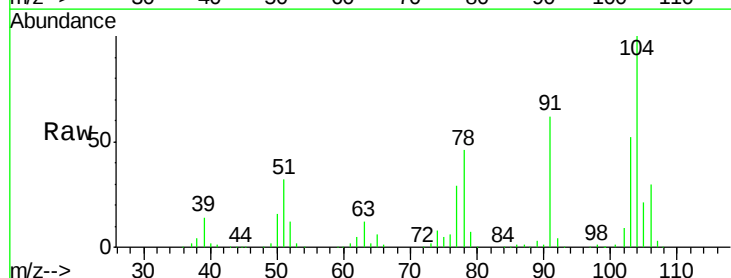
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

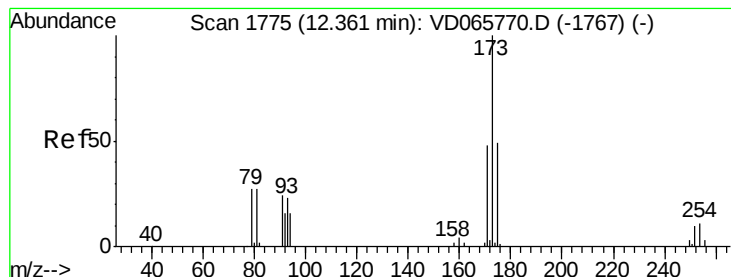
Tot Ion:106 Resp: 168130
Ion Ratio Lower Upper
106 100
91 209.8 105.3 315.8



#70
Styrene
Concen: 46.822 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion:104 Resp: 290769
Ion Ratio Lower Upper
104 100
78 49.8 38.6 58.0
103 54.2 43.9 65.9





#71

Bromoform

Concen: 43.931 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

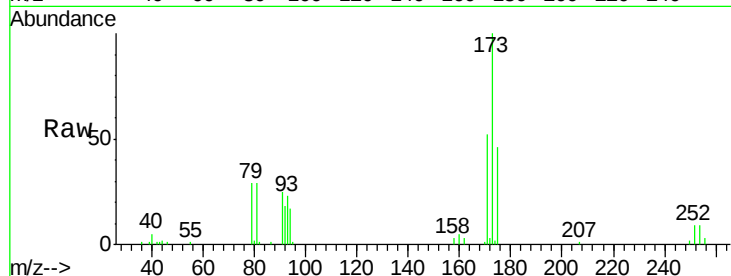
Tot Ion:173 Resp: 52141

Ion Ratio Lower Upper

173 100

175 48.0 24.8 74.4

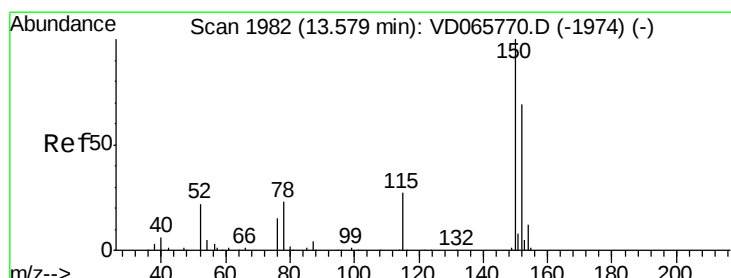
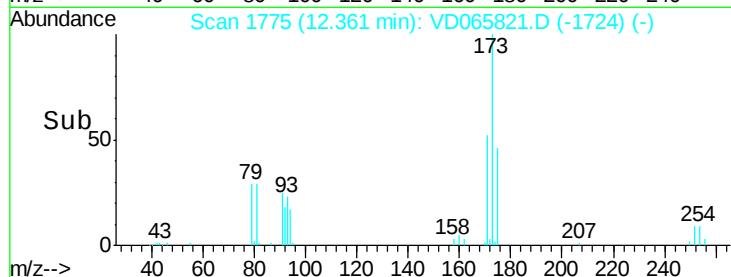
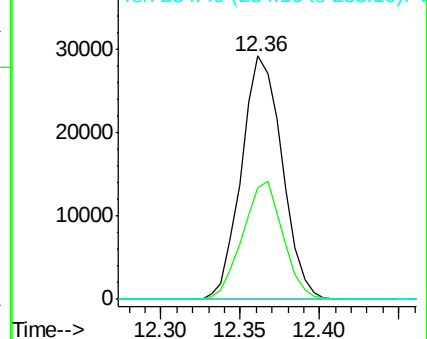
254 0.0 0.0 0.0



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: VD065821.D

Acq: 19 Jun 2020 11:28

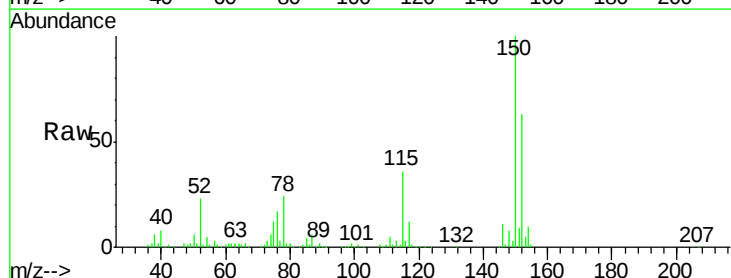
Tgt Ion:152 Resp: 148233

Ion Ratio Lower Upper

152 100

115 58.2 28.7 86.1

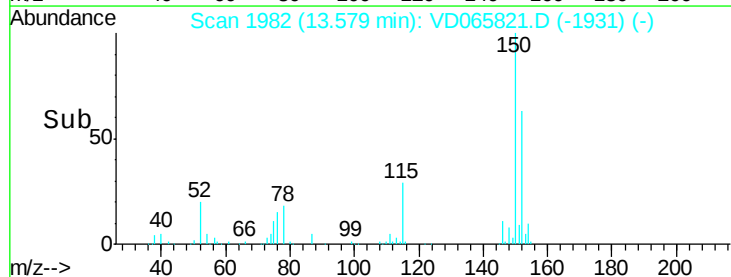
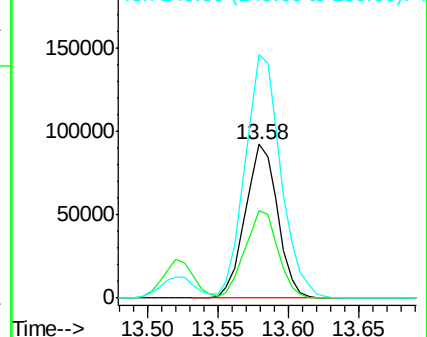
150 174.6 0.0 348.0

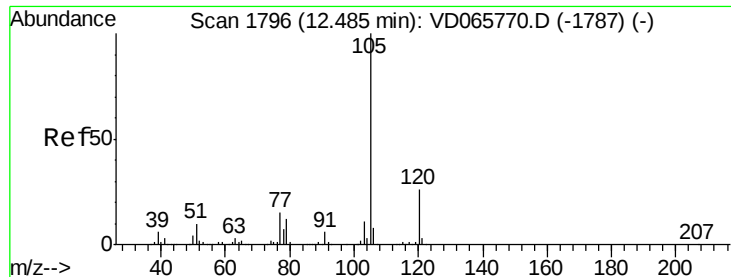


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.422 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

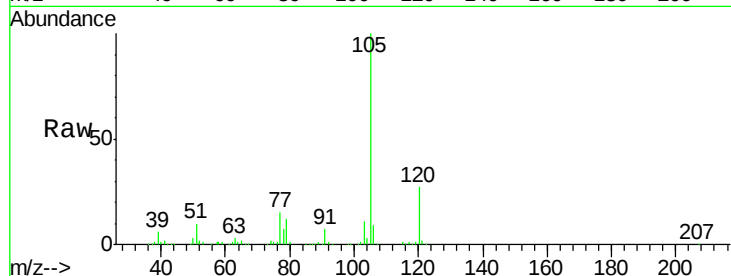
VSTDCCC050

Tot Ion:105 Resp: 471302

Ion Ratio Lower Upper

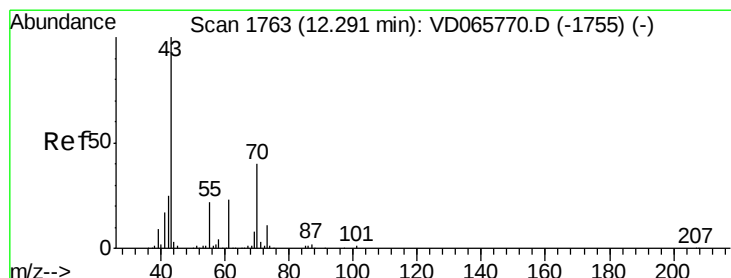
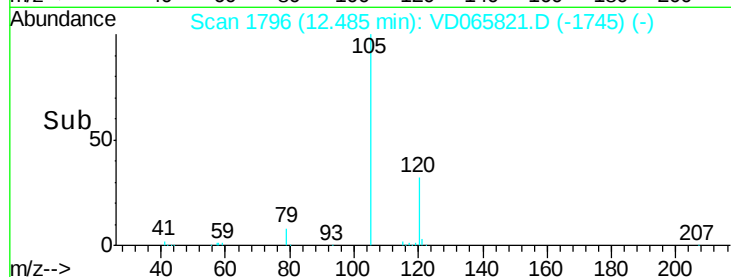
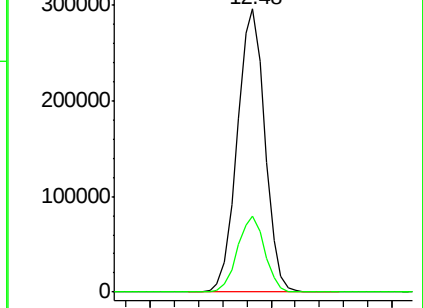
105 100

120 26.5 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.245 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Tgt Ion: 43 Resp: 97829

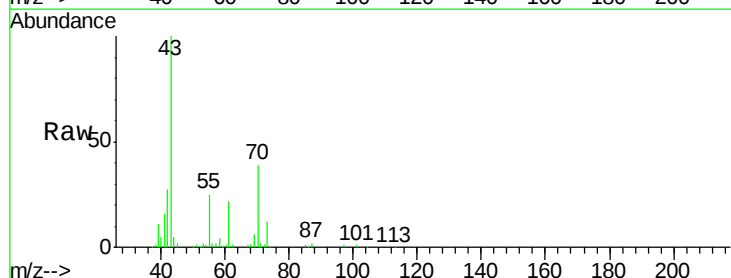
Ion Ratio Lower Upper

43 100

70 40.3 32.3 48.5

55 24.6 19.0 28.4

61 23.1 19.0 28.4

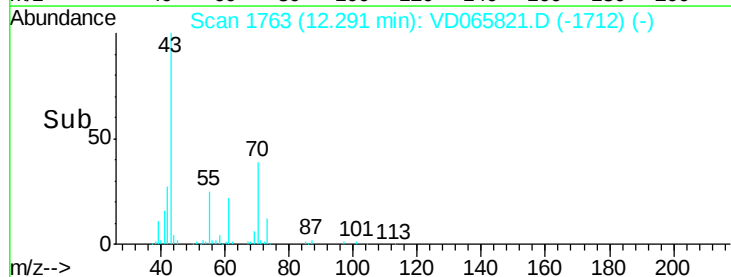
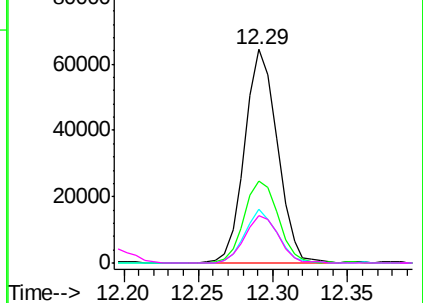


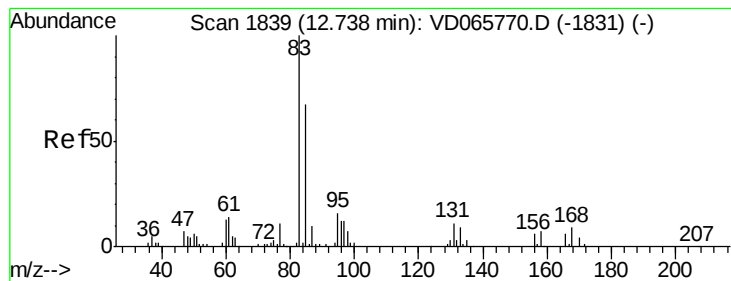
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.128 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

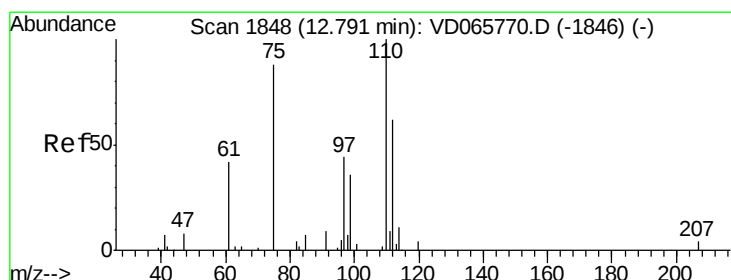
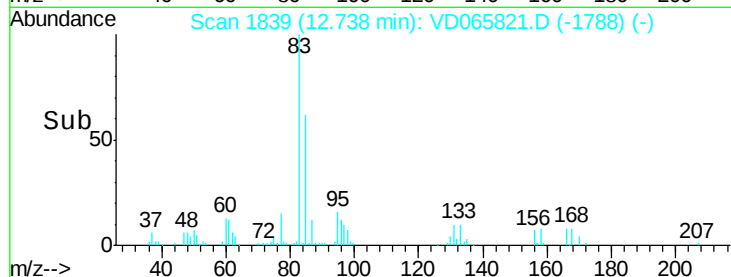
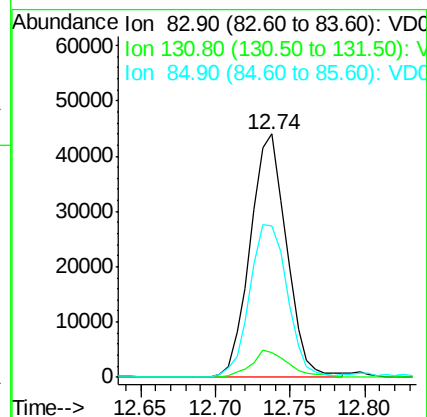
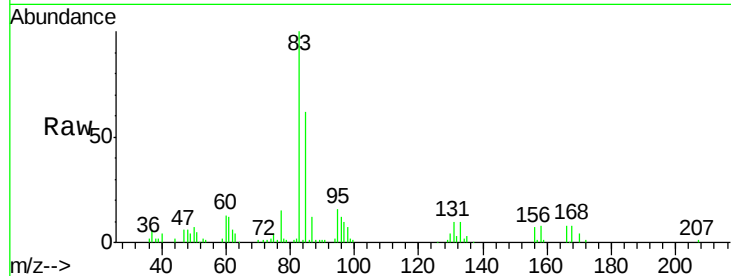
Tot Ion: 83 Resp: 74066

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

85 65.2 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 46.348 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065821.D

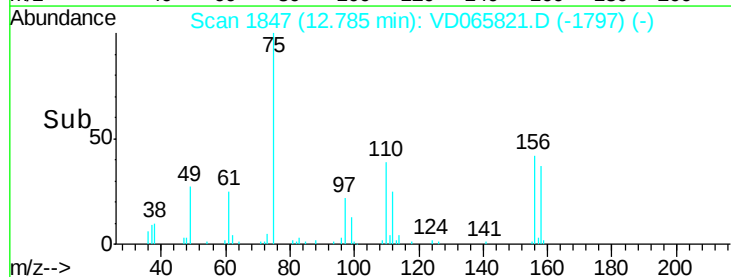
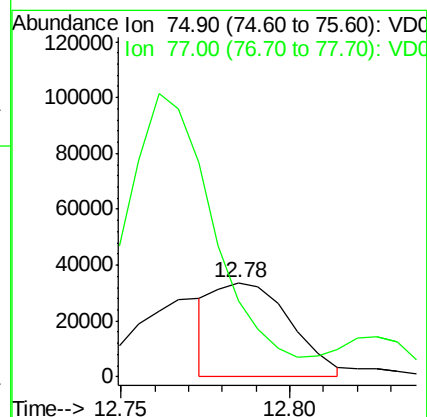
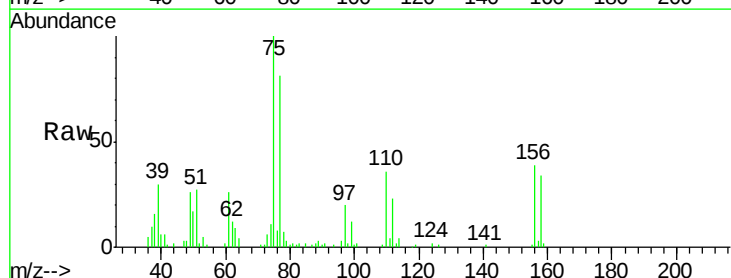
Acq: 19 Jun 2020 11:28

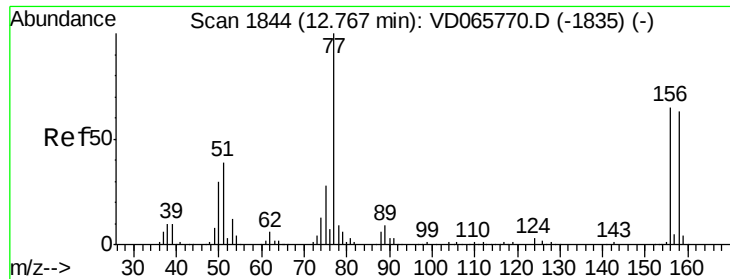
Tgt Ion: 75 Resp: 53431

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 44.040 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

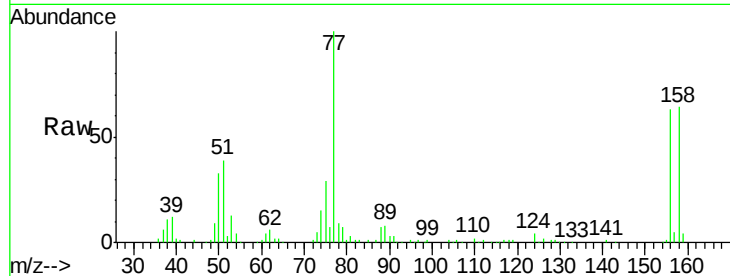
Tot Ion:156 Resp: 103559

Ion Ratio Lower Upper

156 100

77 182.4 87.3 261.8

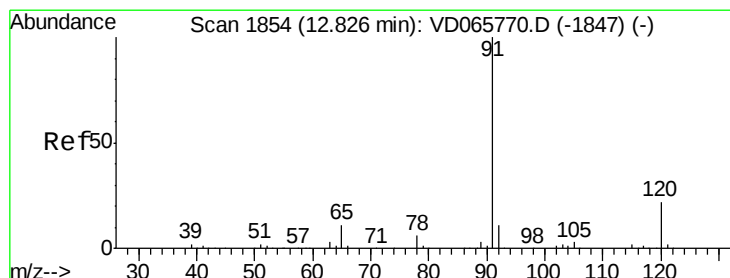
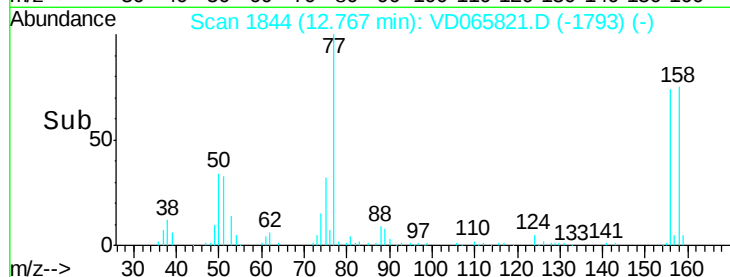
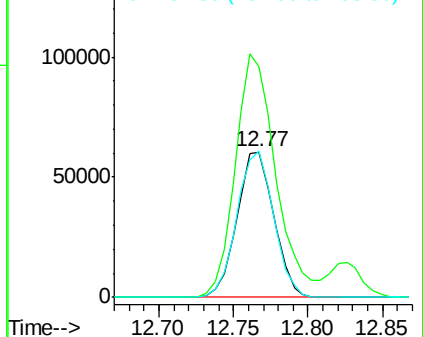
158 100.3 48.0 144.0



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: 47.359 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065821.D

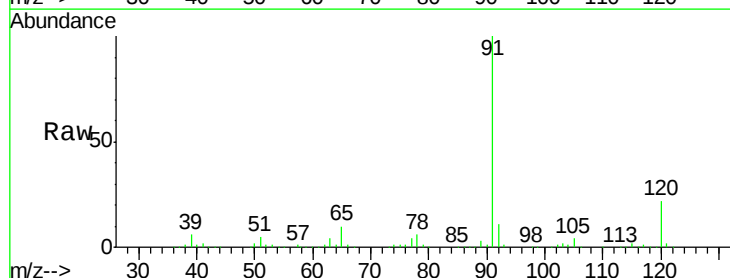
Acq: 19 Jun 2020 11:28

Tgt Ion: 91 Resp: 566565

Ion Ratio Lower Upper

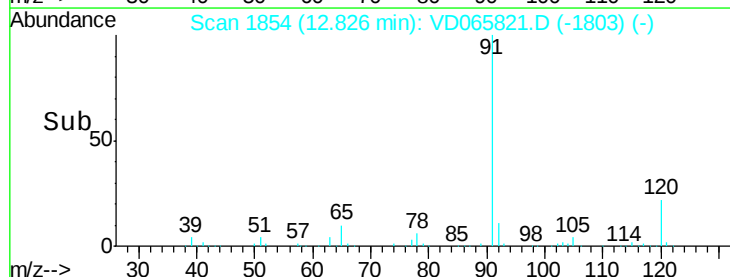
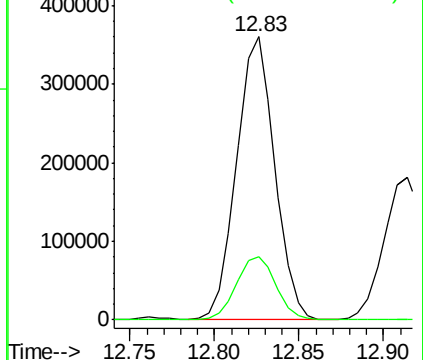
91 100

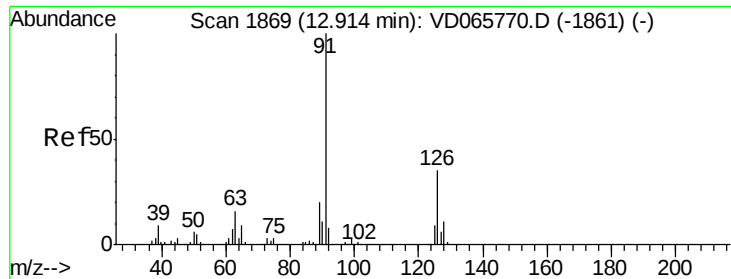
120 23.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.694 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

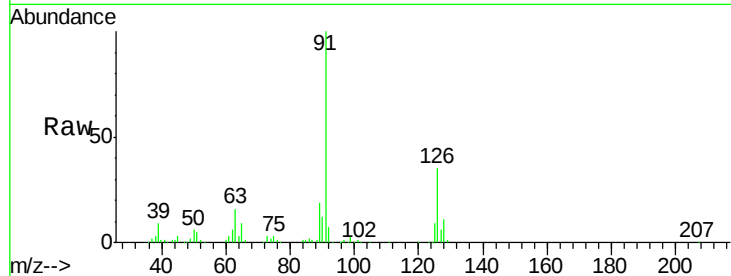
VSTDCCC050

Tot Ion: 91 Resp: 306442

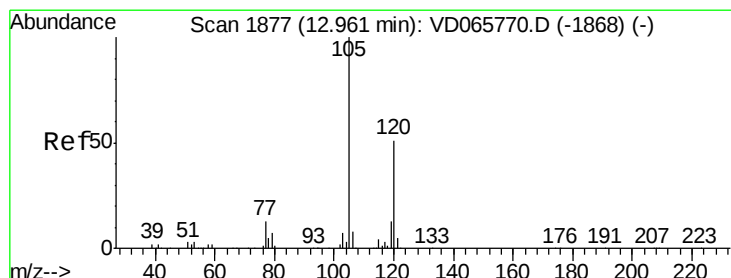
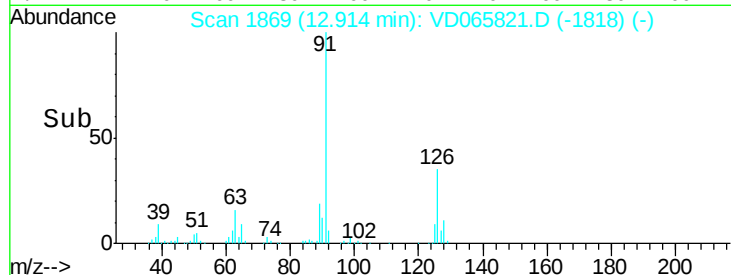
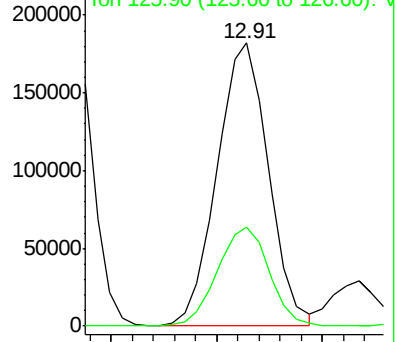
Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065770.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.410 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065821.D

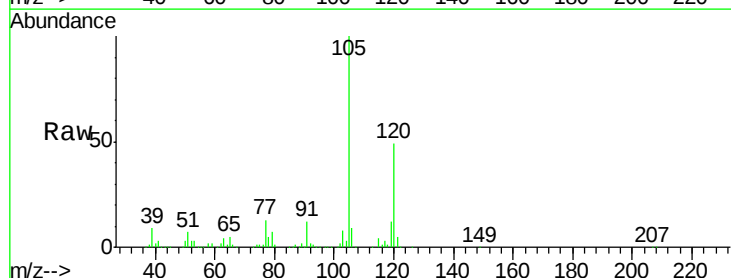
Acq: 19 Jun 2020 11:28

Tgt Ion: 105 Resp: 392107

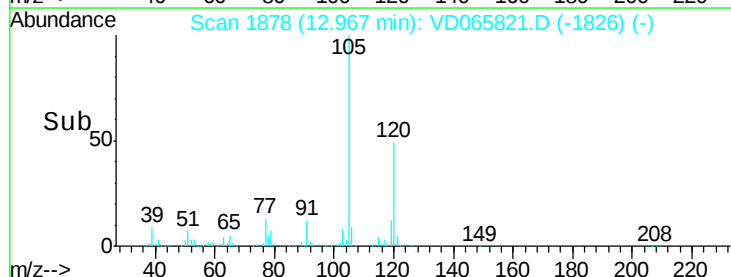
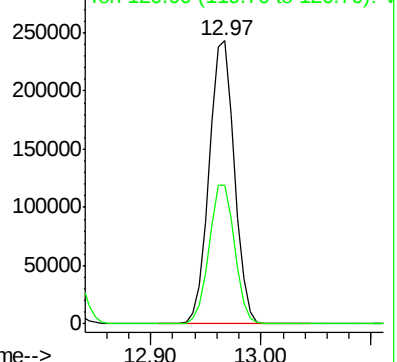
Ion Ratio Lower Upper

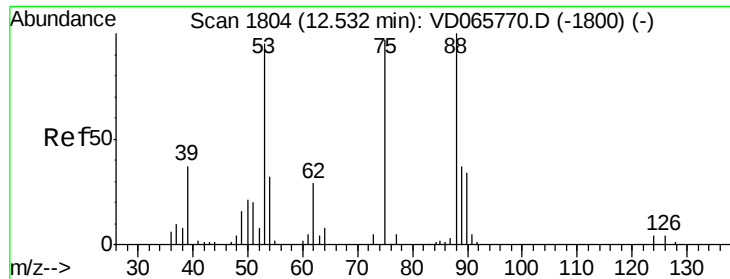
105 100

120 49.8 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065770.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.846 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

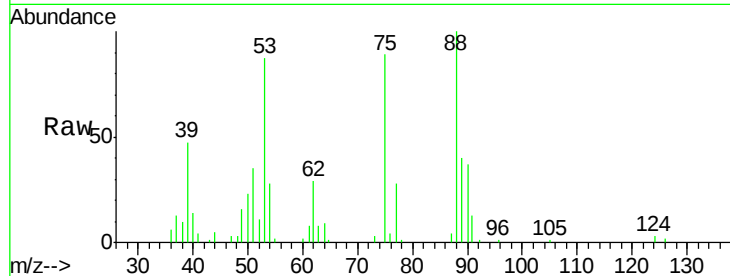
Tot Ion: 75 Resp: 24462

Ion Ratio Lower Upper

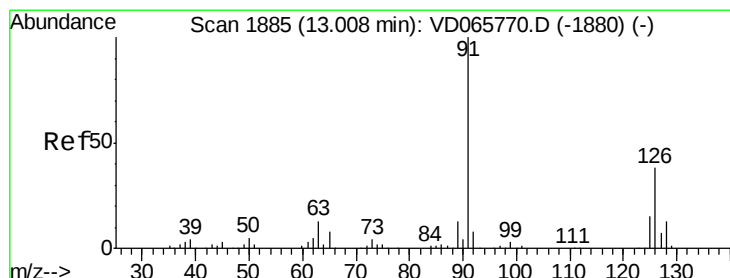
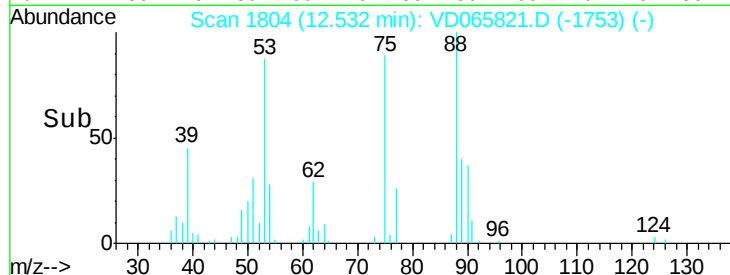
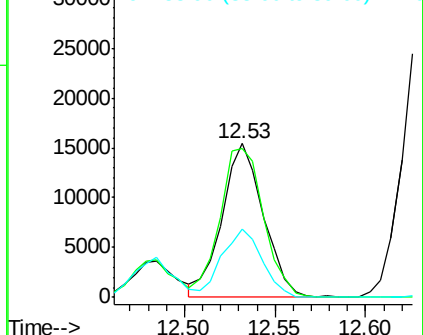
75 100

53 102.6 82.6 123.8

89 42.6 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 46.473 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065821.D

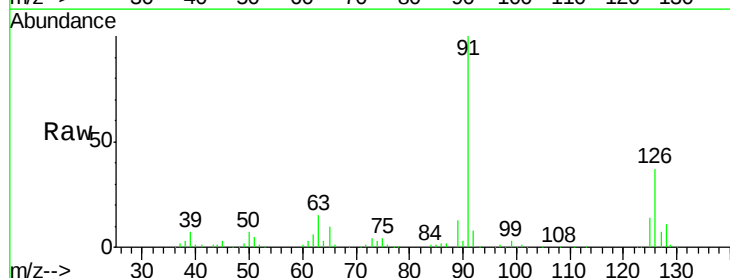
Acq: 19 Jun 2020 11:28

Tgt Ion: 91 Resp: 327371

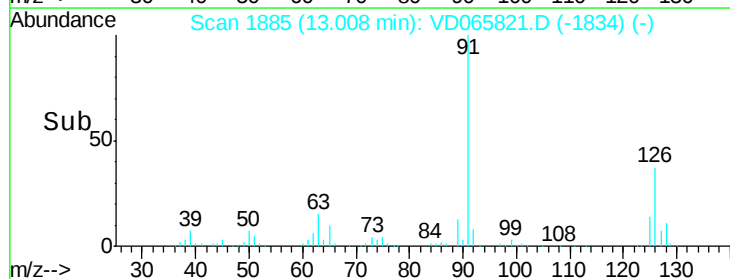
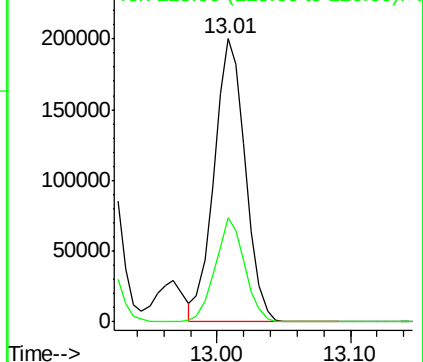
Ion Ratio Lower Upper

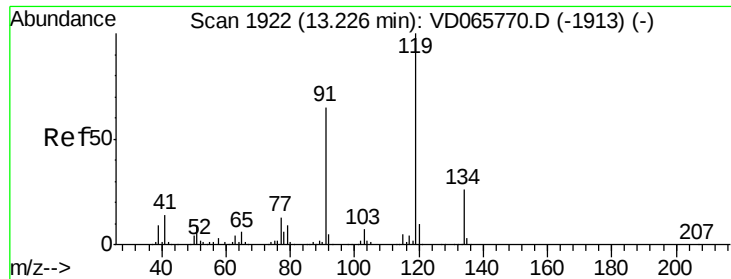
91 100

126 34.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

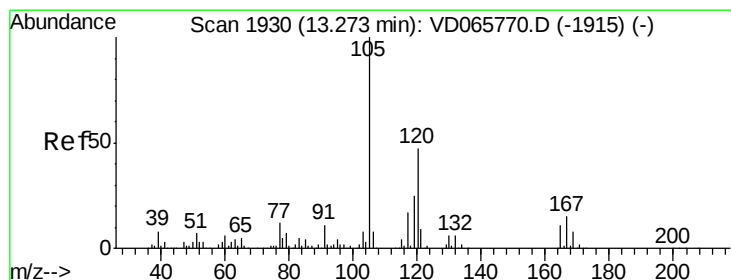
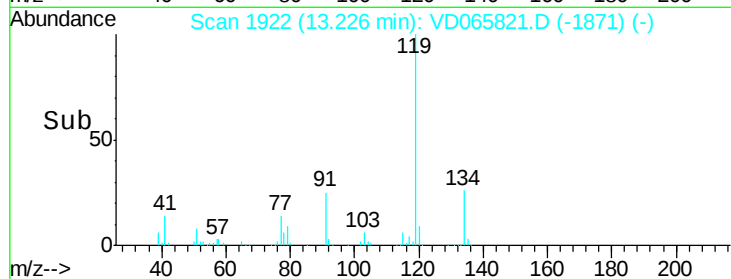
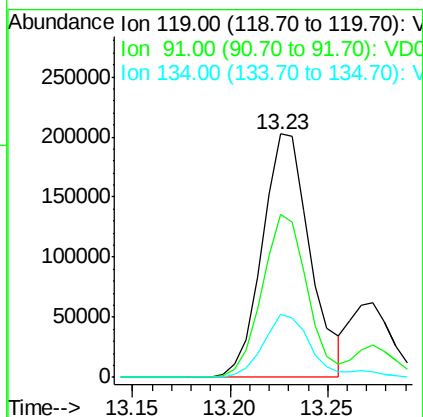
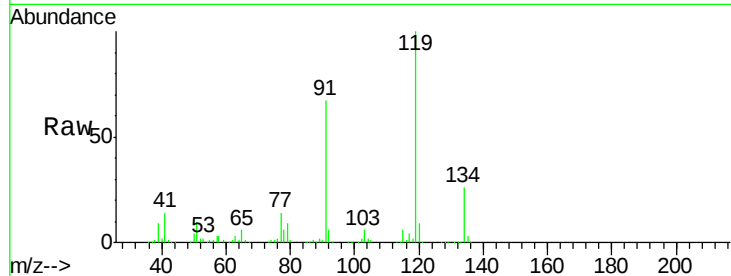




#83
tert-Butylbenzene
Concen: 47.899 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

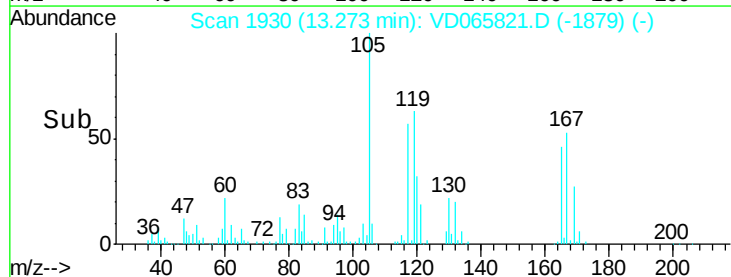
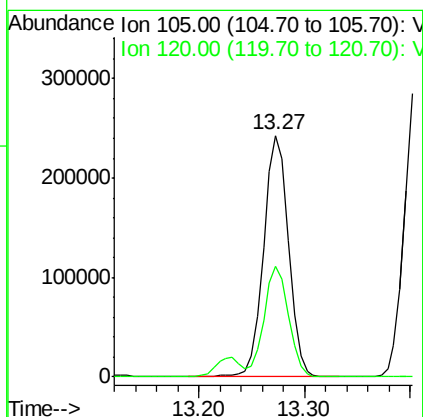
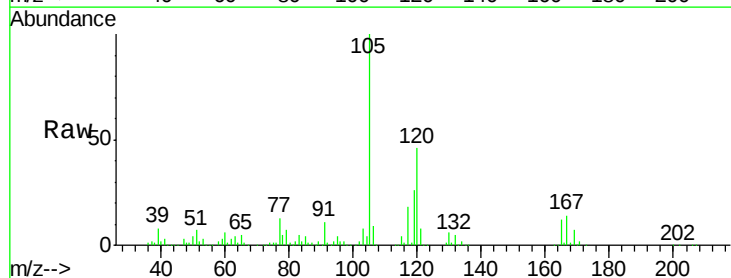
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

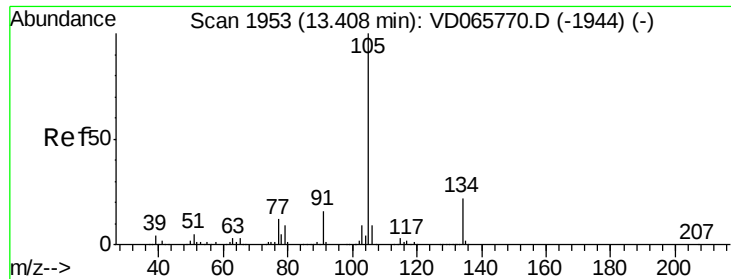
Tot Ion:119 Resp: 343736
Ion Ratio Lower Upper
119 100
91 63.2 32.0 96.0
134 26.7 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 47.838 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion:105 Resp: 396009
Ion Ratio Lower Upper
105 100
120 45.2 23.3 69.8





#85

sec-Butylbenzene

Concen: 48.252 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

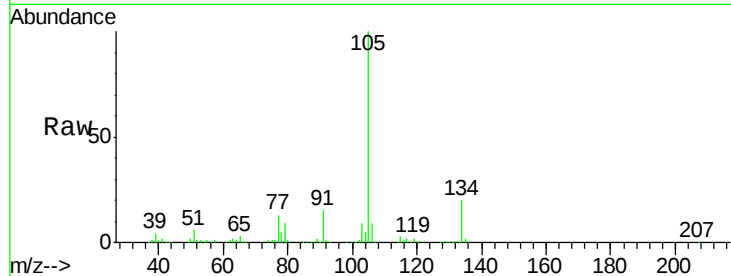
VSTDCCC050

Tot Ion:105 Resp: 481887

Ion Ratio Lower Upper

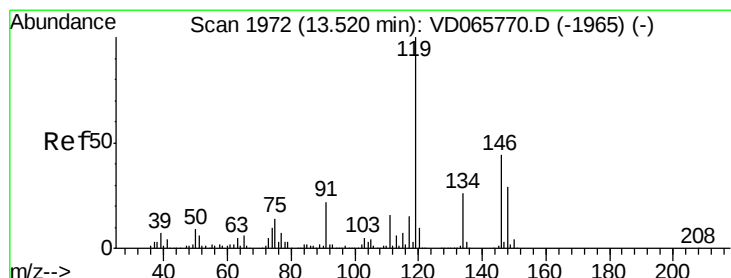
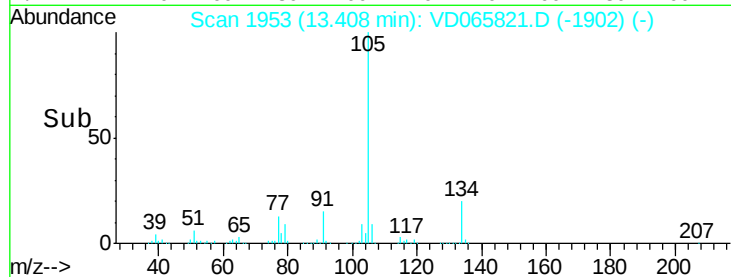
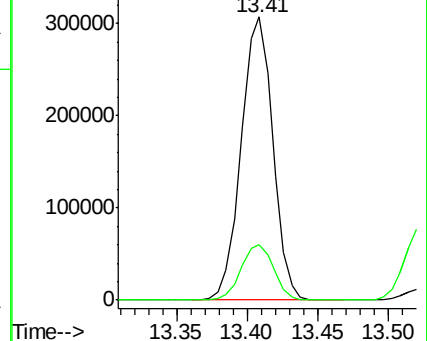
105 100

134 20.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.717 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

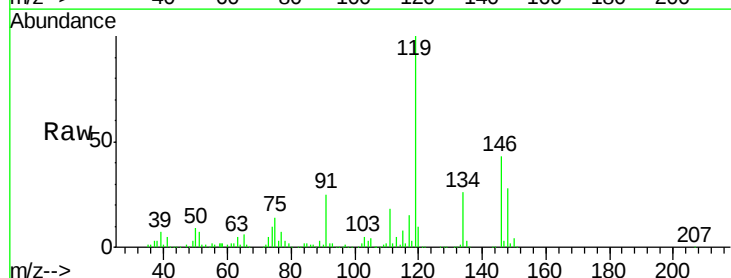
Tgt Ion:119 Resp: 445933

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

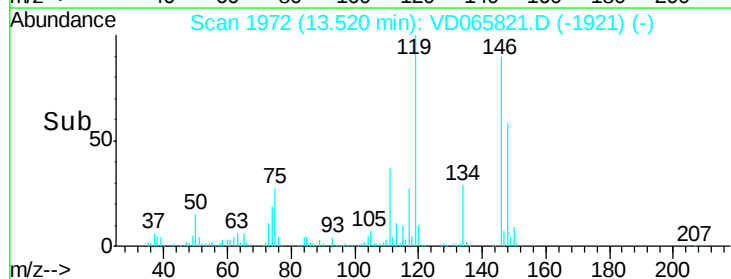
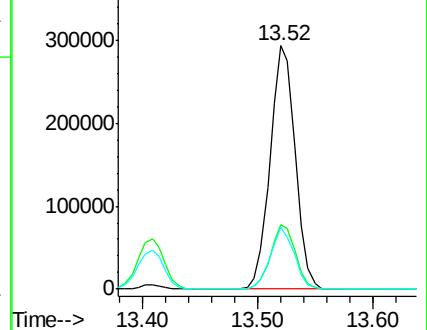
91 24.0 11.8 35.4

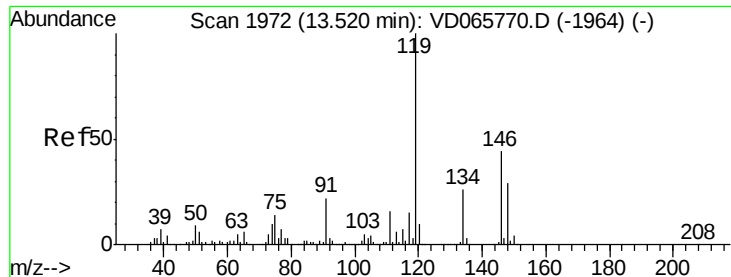


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

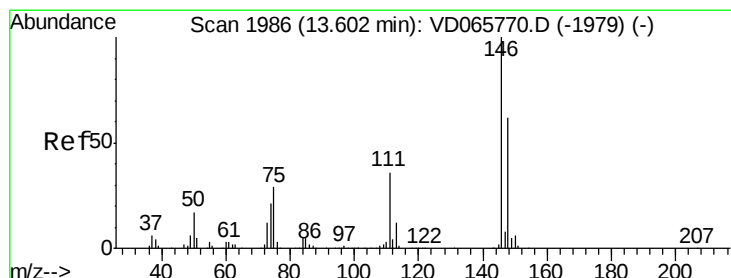
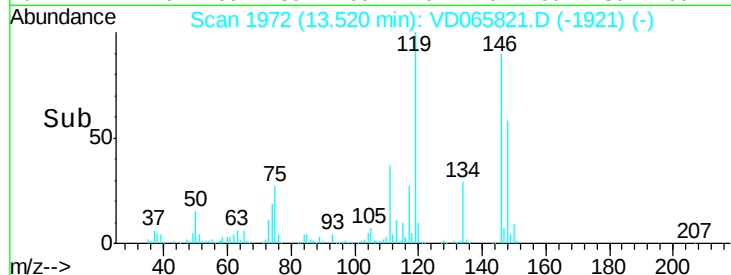
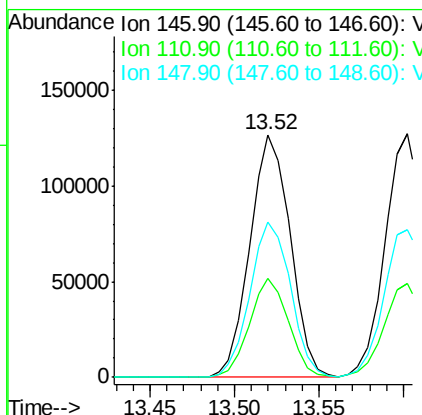
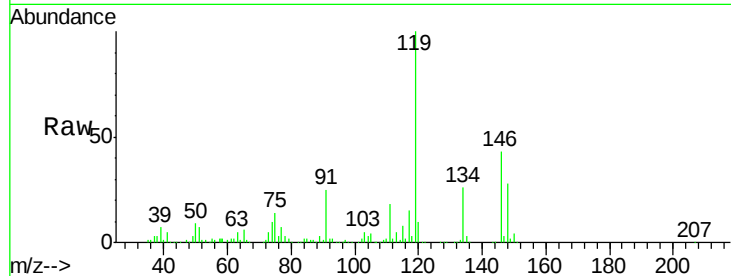




#87
 1,3-Dichlorobenzene
 Concen: 45.477 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

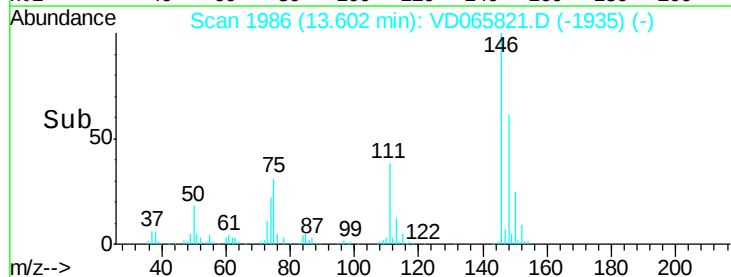
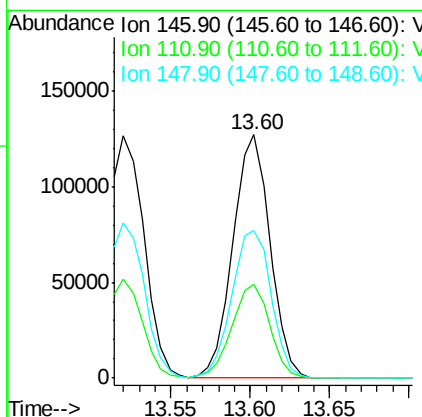
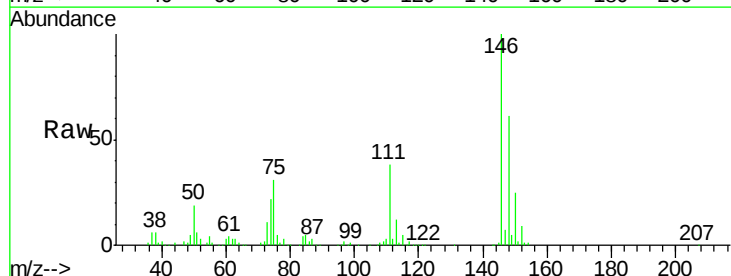
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

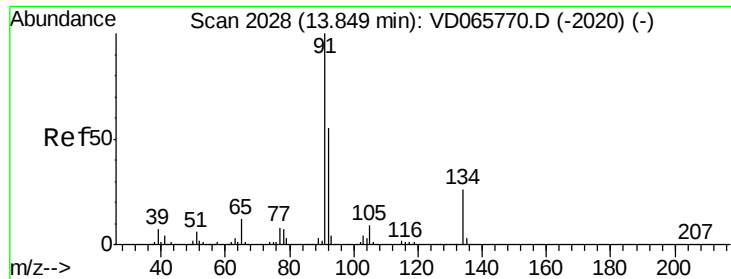
Tot Ion:146 Resp: 210852
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.2 57.6
 148 64.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 44.804 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Tgt Ion:146 Resp: 206639
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.9 56.7
 148 64.4 31.6 94.7

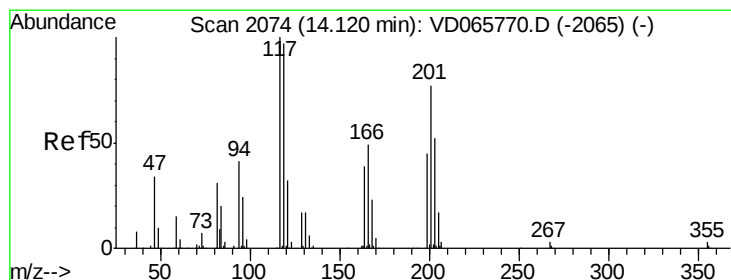
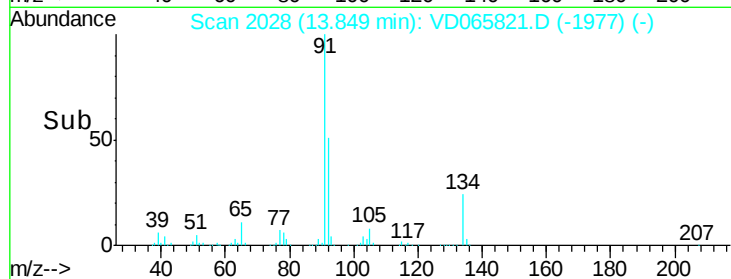
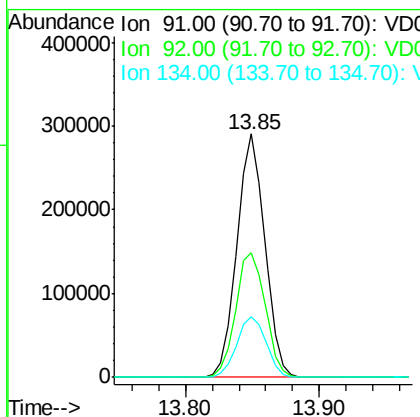
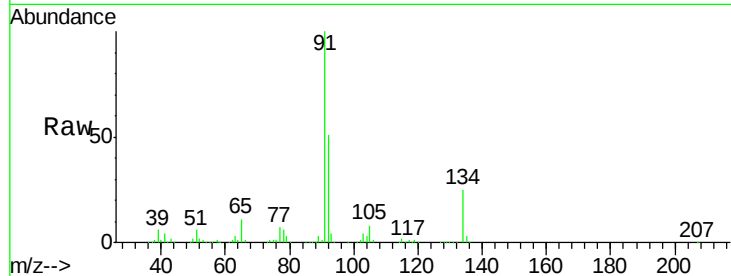




#89
n-Butylbenzene
Concen: 48.300 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

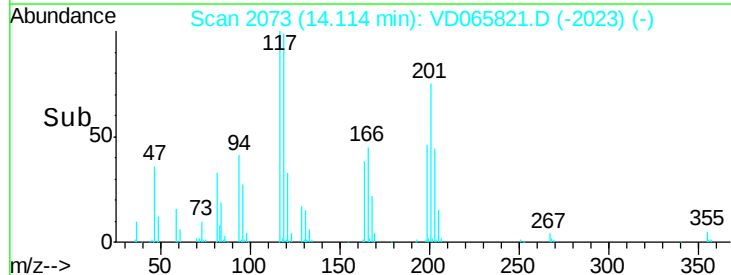
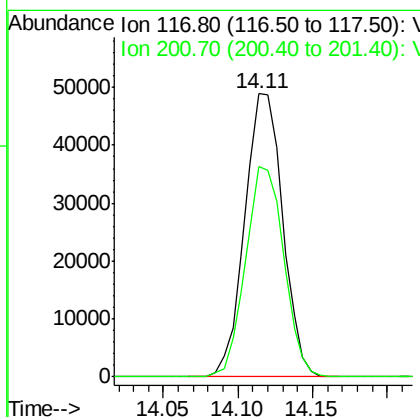
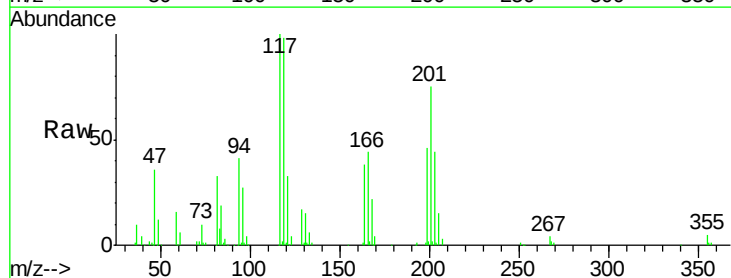
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

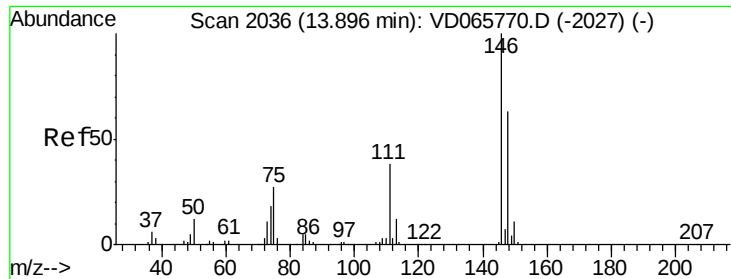
Tot Ion: 91 Resp: 421668
Ion Ratio Lower Upper
91 100
92 54.0 27.0 81.0
134 26.1 13.0 39.0



#90
Hexachloroethane
Concen: 46.979 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD065821.D
Acq: 19 Jun 2020 11:28

Tgt Ion: 117 Resp: 86076
Ion Ratio Lower Upper
117 100
201 74.8 37.1 111.5

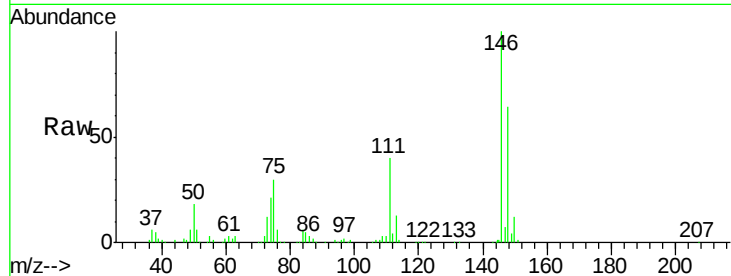




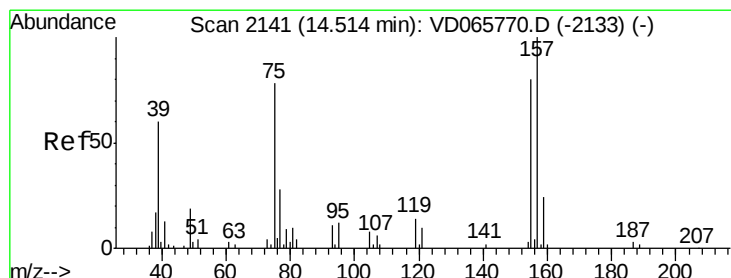
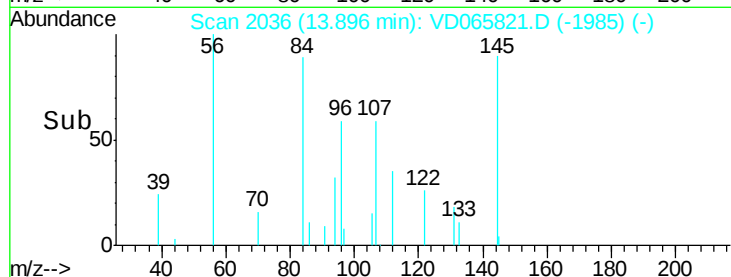
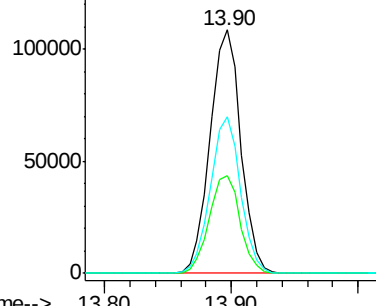
#91
 1,2-Dichlorobenzene
 Concen: 45.734 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.8	59.4
148	63.0	31.9	95.7

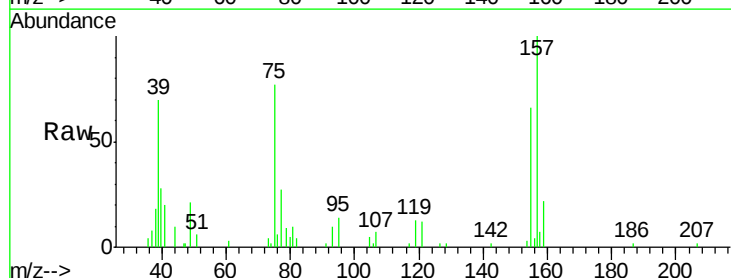


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

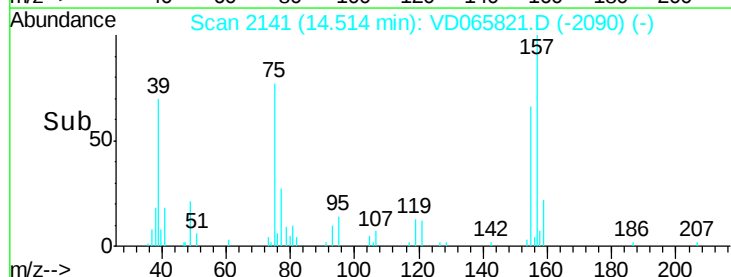
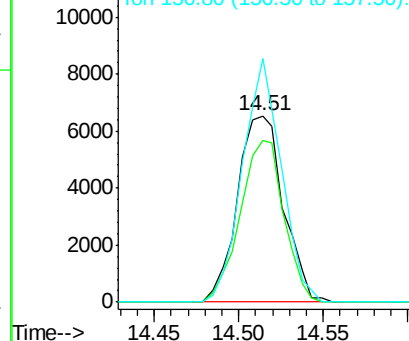


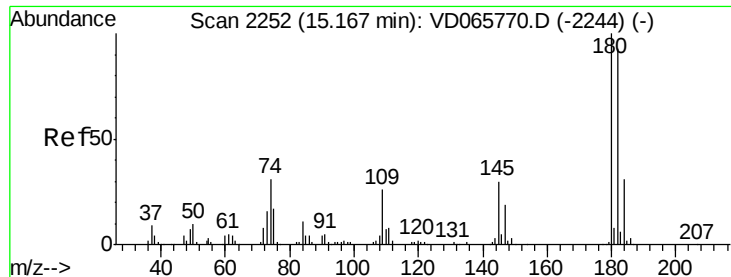
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.370 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	46.3	138.9
157	110.3	58.1	174.3



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

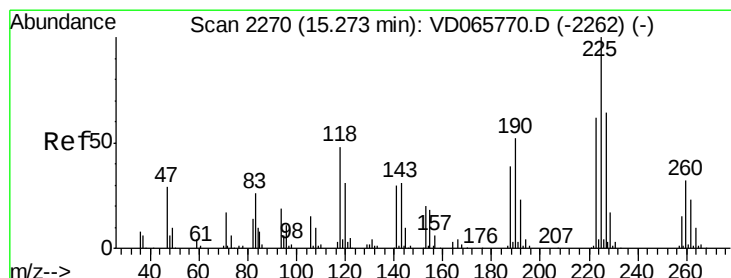
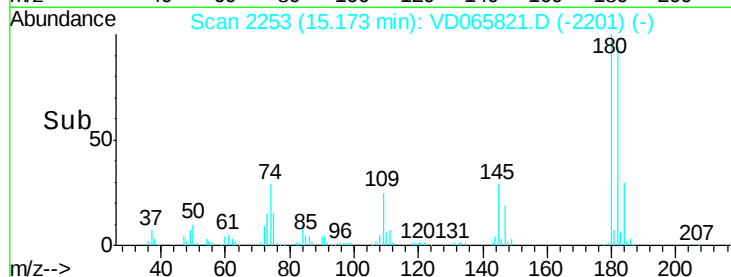
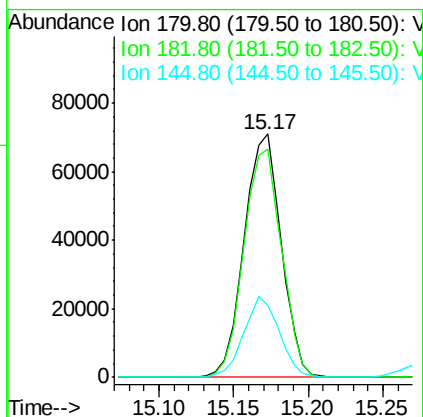
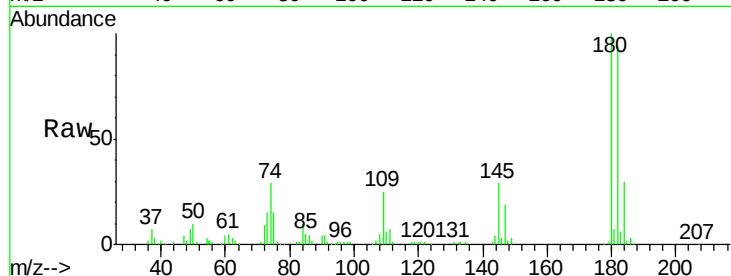




#93
 1,2,4-Trichlorobenzene
 Concen: 44.786 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

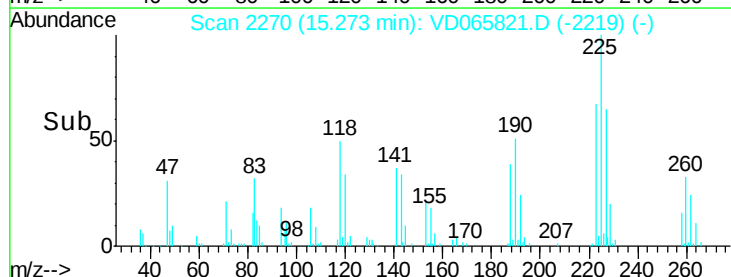
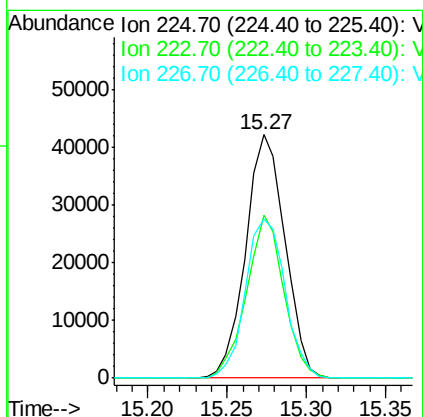
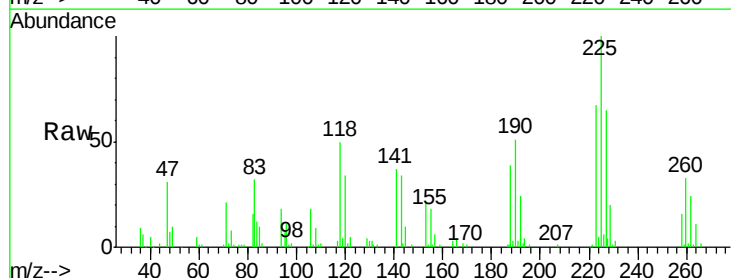
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

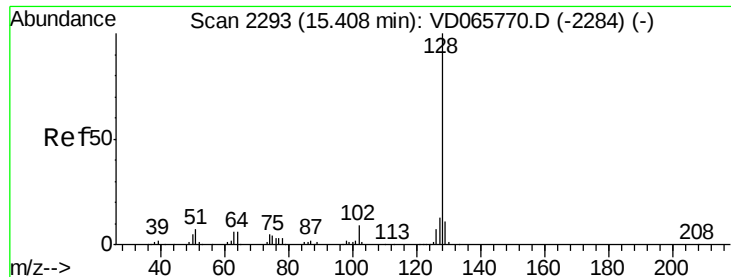
Tot Ion:180 Resp: 121507
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.0 144.2
 145 31.9 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 44.427 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065821.D
 Acq: 19 Jun 2020 11:28

Tgt Ion:225 Resp: 72864
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.9 92.7
 227 66.1 31.9 95.7





#95

Naphthalene

Concen: 44.661 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

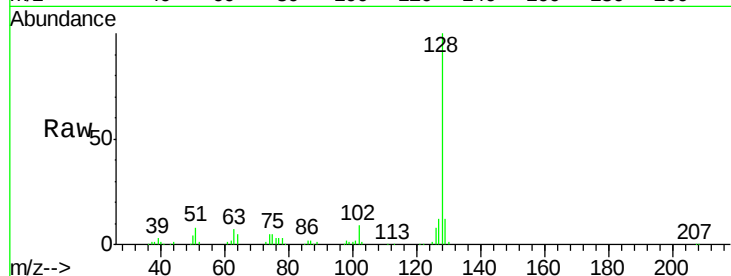
Tot Ion:128 Resp: 205242

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

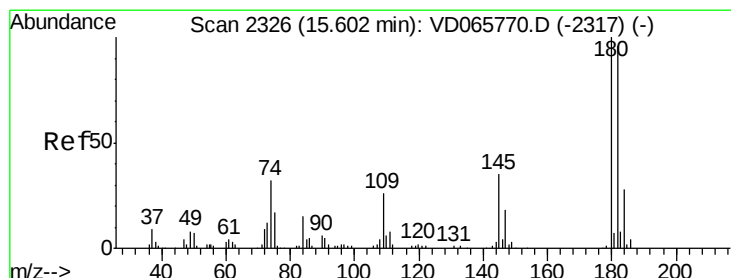
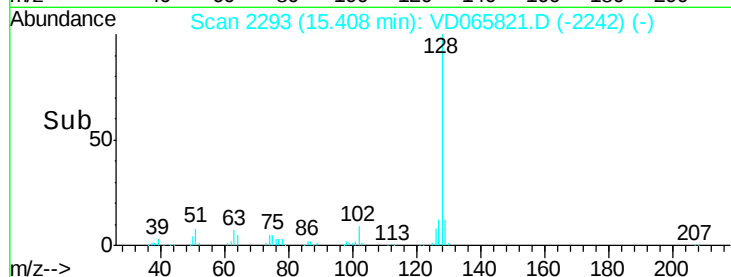
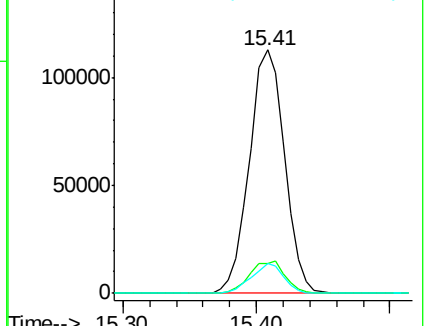
129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.972 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065821.D

Acq: 19 Jun 2020 11:28

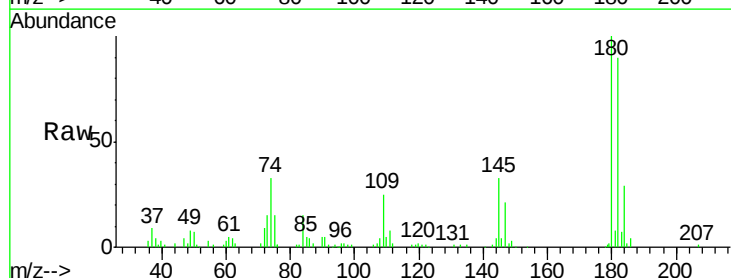
Tgt Ion:180 Resp: 105085

Ion Ratio Lower Upper

180 100

182 93.3 47.0 141.2

145 31.8 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

