

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061920\
 Data File : VD065841.D
 Acq On : 19 Jun 2020 20:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 20 02:51:08 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	155307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	254715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	254192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	132174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	89142	58.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.18%	
35) Dibromofluoromethane	7.91	113	85279	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	10.34	98	338370	56.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.80%	
62) 4-Bromofluorobenzene	12.64	95	116320	57.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	43178	40.594	ug/l	95
3) Chloromethane	2.21	50	102681	60.192	ug/l	96
4) Vinyl Chloride	2.35	62	121524	53.036	ug/l	96
5) Bromomethane	2.77	94	87990	54.910	ug/l	97
6) Chloroethane	2.92	64	87825	56.687	ug/l	99
7) Trichlorofluoromethane	3.27	101	120244	46.318	ug/l	95
8) Diethyl Ether	3.71	74	35134	51.476	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	72508	46.840	ug/l	97
10) Methyl Iodide	4.30	142	71809	47.637	ug/l	99
11) Tert butyl alcohol	5.22	59	22082	257.822	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	65091	46.135	ug/l	97
13) Acrolein	3.93	56	19117	221.780	ug/l	96
14) Allyl chloride	4.71	41	120476	51.664	ug/l	97
15) Acrylonitrile	5.43	53	87852	283.395	ug/l	99
16) Acetone	4.16	43	72142	249.210	ug/l	100
17) Carbon Disulfide	4.41	76	214878	45.377	ug/l	100
18) Methyl Acetate	4.71	43	37797	58.505	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	173497	54.290	ug/l	98
20) Methylene Chloride	4.96	84	92476	61.144	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	83145	50.320	ug/l	96
22) Diisopropyl ether	6.36	45	272620	57.860	ug/l	94
23) Vinyl Acetate	6.31	43	796370	299.316	ug/l	98
24) 1,1-Dichloroethane	6.26	63	157165	54.745	ug/l	99
25) 2-Butanone	7.21	43	108512	271.421	ug/l	93
26) 2,2-Dichloropropane	7.21	77	126043	49.516	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	95837	53.920	ug/l	97
28) Bromochloromethane	7.55	49	66143	59.654	ug/l	99
29) Tetrahydrofuran	7.56	42	72555	287.145	ug/l	97
30) Chloroform	7.71	83	166877	56.081	ug/l	99
31) Cyclohexane	7.99	56	129854	47.182	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	143805	52.557	ug/l	97
36) 1,1-Dichloropropene	8.11	75	120922	49.558	ug/l	99
37) Ethyl Acetate	7.30	43	54420	56.623	ug/l	99
38) Carbon Tetrachloride	8.10	117	126676	49.331	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	140012	48.466	ug/l	97
40) Benzene	8.35	78	348660	52.269	ug/l	98
41) Methacrylonitrile	7.52	41	26067	45.550	ug/l #	61
42) 1,2-Dichloroethane	8.42	62	111013	55.157	ug/l	100
43) Isopropyl Acetate	8.46	43	106043	55.487	ug/l	98
44) Trichloroethene	9.11	130	91724	49.412	ug/l	100
45) 1,2-Dichloropropane	9.39	63	91039	54.317	ug/l	99
46) Dibromomethane	9.47	93	48585	53.448	ug/l	95
47) Bromodichloromethane	9.66	83	132737	54.493	ug/l	98
48) Methyl methacrylate	9.46	41	48888	52.848	ug/l	95
49) 1,4-Dioxane	9.46	88	10227	1057.016	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	272188	290.652	ug/l	98
52) Toluene	10.40	92	233903	53.966	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	121240	54.965	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	143863	55.224	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	67830	55.846	ug/l	97
56) Ethyl methacrylate	10.66	69	82763	57.933	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118060	56.105	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	197402	297.211	ug/l	98
59) 2-Hexanone	10.98	43	184518	292.254	ug/l	100
60) Dibromochloromethane	11.14	129	91475	55.751	ug/l	97
61) 1,2-Dibromoethane	11.25	107	67441	56.500	ug/l	98
64) Tetrachloroethene	10.88	164	79241	46.101	ug/l	96
65) Chlorobenzene	11.67	112	251078	50.596	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	94863	51.284	ug/l	99
67) Ethyl Benzene	11.74	91	454509	51.270	ug/l	98
68) m/p-Xylenes	11.86	106	352635	103.271	ug/l	100
69) o-Xylene	12.18	106	162871	52.901	ug/l	99
70) Styrene	12.20	104	291857	54.760	ug/l	99
71) Bromoform	12.36	173	54477	53.482	ug/l #	95
73) Isopropylbenzene	12.48	105	447079	50.450	ug/l	98
74) N-amyl acetate	12.29	43	99415	50.425	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	77195	51.580	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	54121m	52.650	ug/l	
77) Bromobenzene	12.76	156	104880	50.021	ug/l	96
78) n-propylbenzene	12.83	91	538089	50.444	ug/l	99
79) 2-Chlorotoluene	12.91	91	300050	51.275	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	380135	51.547	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	24746	52.014	ug/l	100
82) 4-Chlorotoluene	13.01	91	323445	51.495	ug/l	99
83) tert-Butylbenzene	13.23	119	311734	48.718	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	383988	52.022	ug/l	100
85) sec-Butylbenzene	13.41	105	445956	50.080	ug/l	99
86) p-Isopropyltoluene	13.52	119	411414	50.406	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	210002	50.797	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	207189	50.381	ug/l	100
89) n-Butylbenzene	13.85	91	394882	50.728	ug/l	99
90) Hexachloroethane	14.11	117	82831	50.701	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	182180	51.204	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12224	49.078	ug/l	95

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QLast Update : Fri Jun 05 13:07:30 2020
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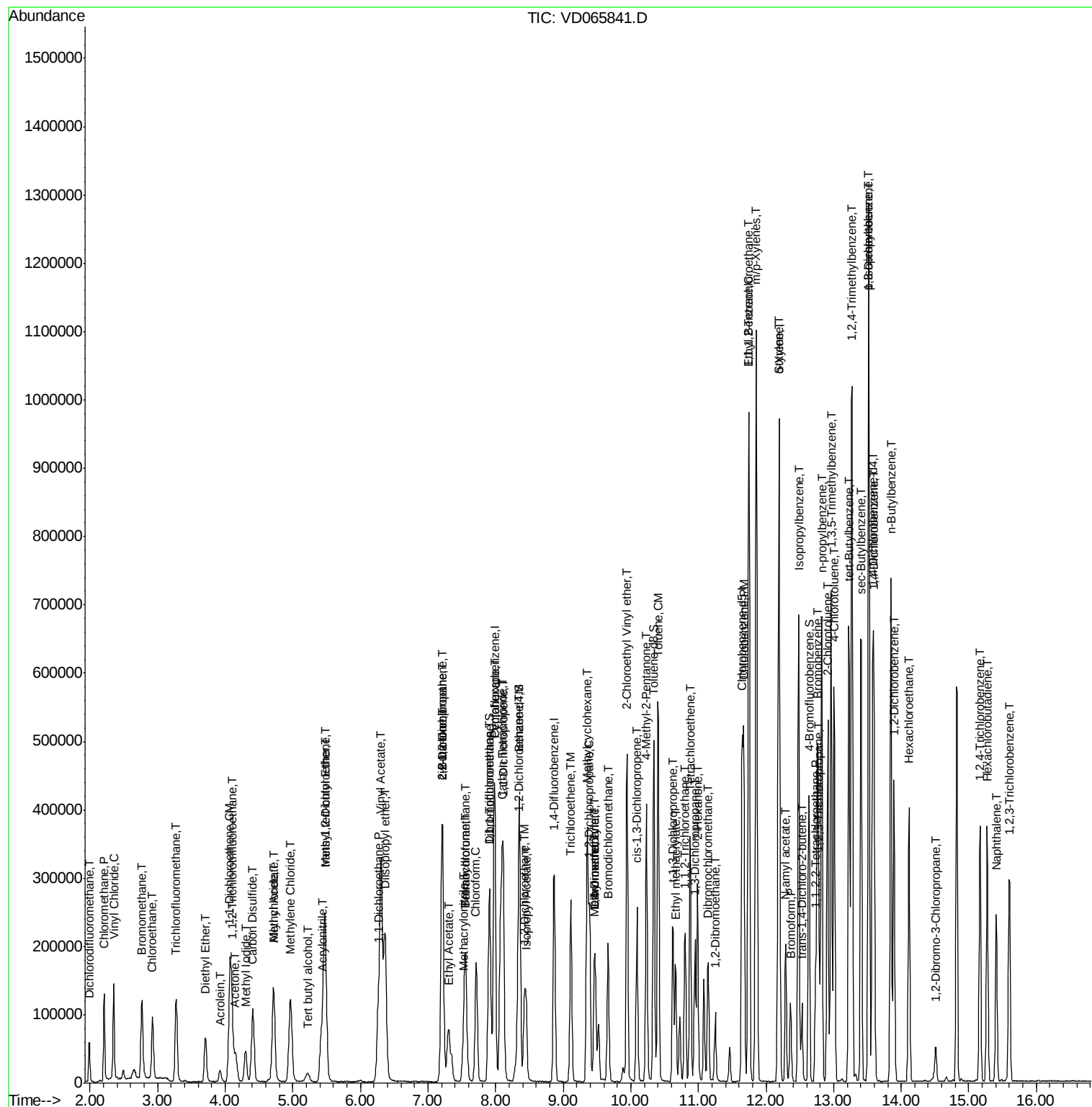
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	117918	48.744	ug/l	98
94) Hexachlorobutadiene	15.27	225	65248	44.617	ug/l	99
95) Naphthalene	15.41	128	208379	50.852	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	101227	48.585	ug/l	99

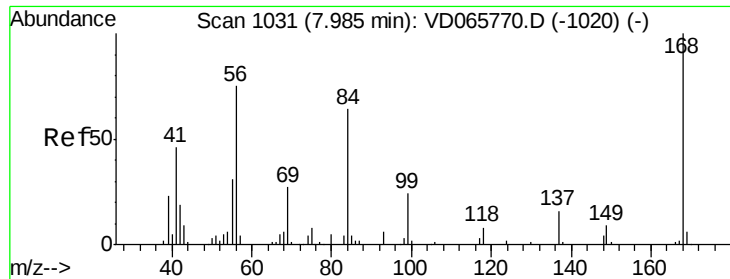
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

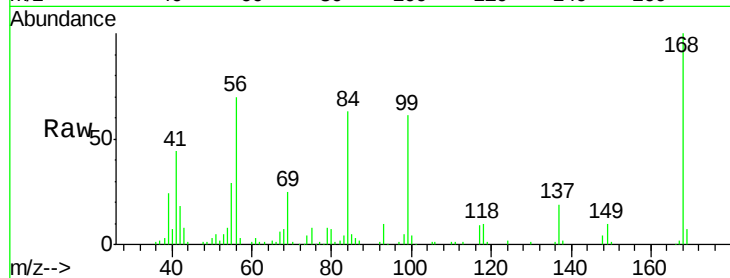
VSTDCCC050EC

Tot Ion:168 Resp: 155307

Ion Ratio Lower Upper

168 100

99 61.0 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

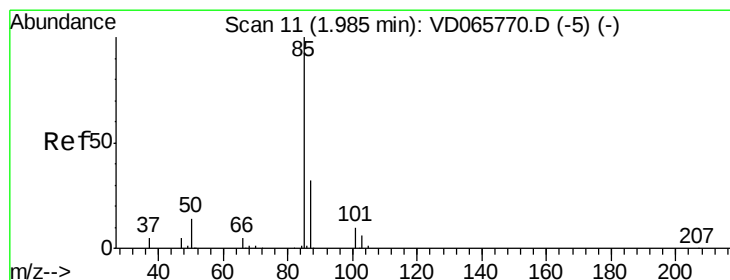
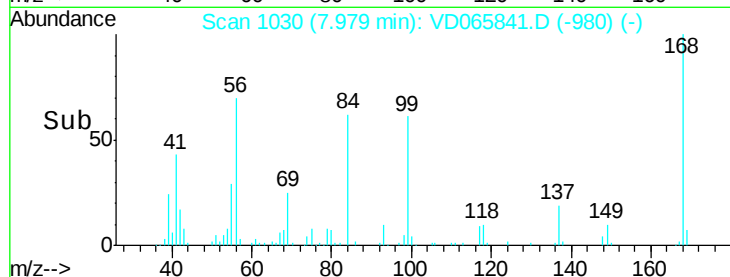
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.594 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065841.D

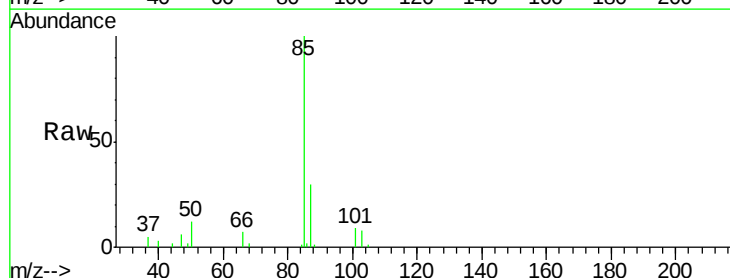
Acq: 19 Jun 2020 20:56

Tgt Ion: 85 Resp: 43178

Ion Ratio Lower Upper

85 100

87 29.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

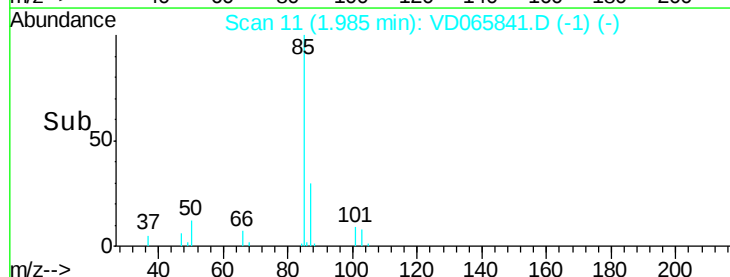
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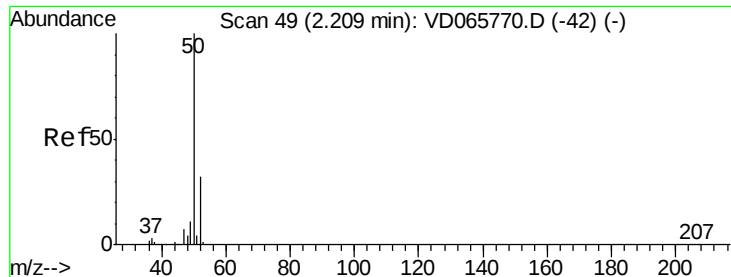
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 60.192 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

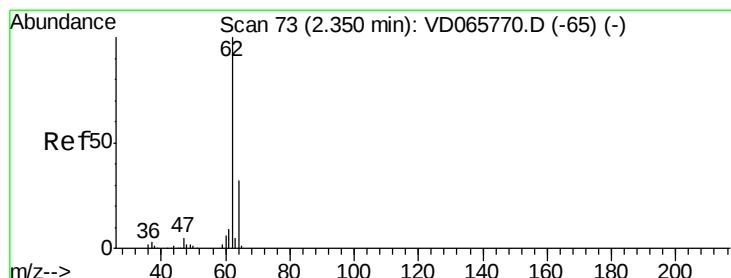
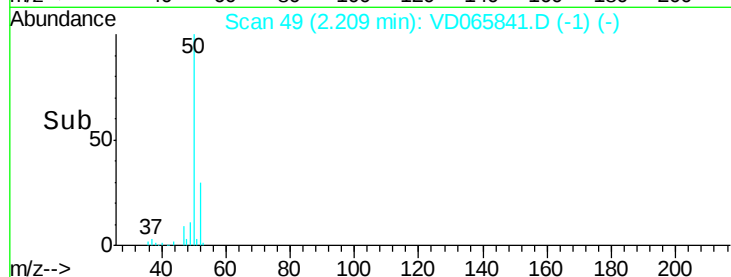
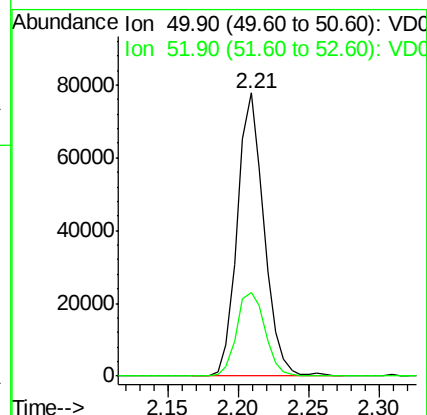
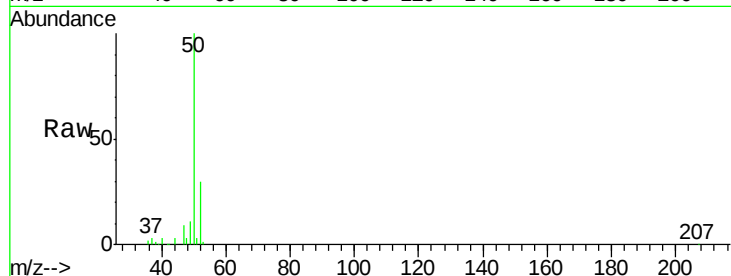
VSTDCCC050EC

Tot Ion: 50 Resp: 102681

Ion Ratio Lower Upper

50 100

52 29.6 25.6 38.4



#4

Vinyl Chloride

Concen: 53.036 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065841.D

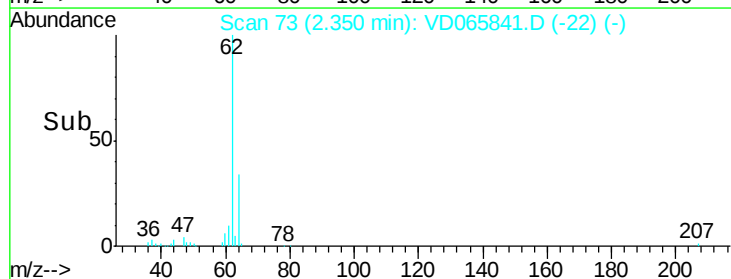
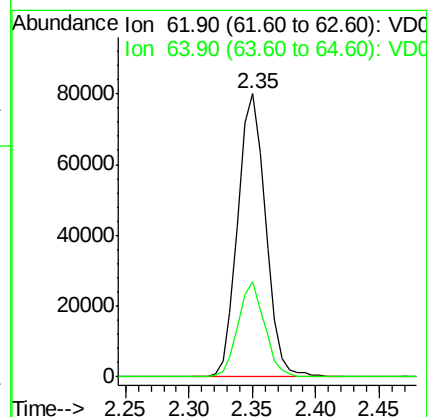
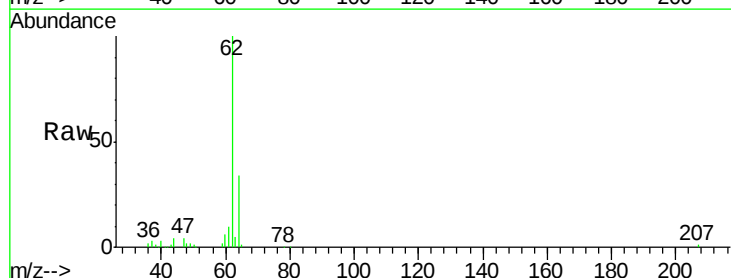
Acq: 19 Jun 2020 20:56

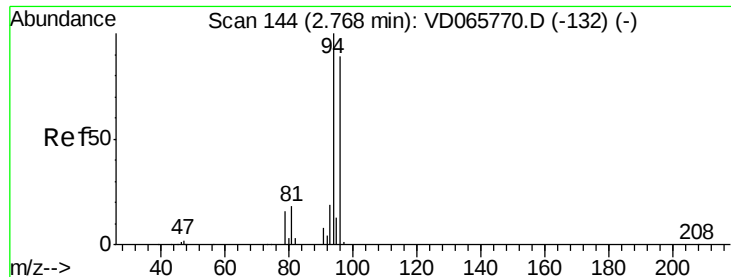
Tgt Ion: 62 Resp: 121524

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 54.910 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

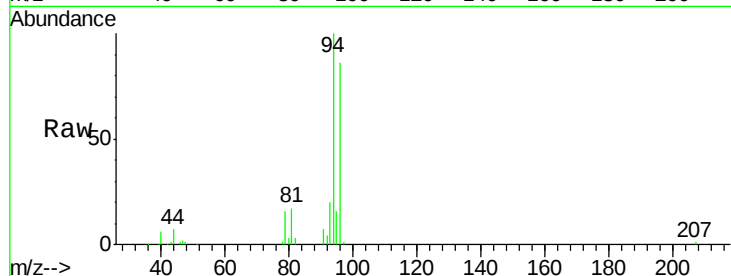
VSTDCCC050EC

Tot Ion: 94 Resp: 87990

Ion Ratio Lower Upper

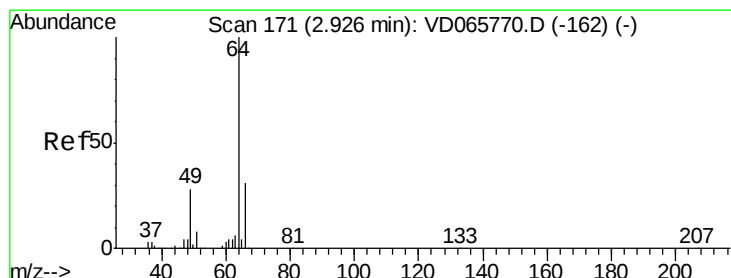
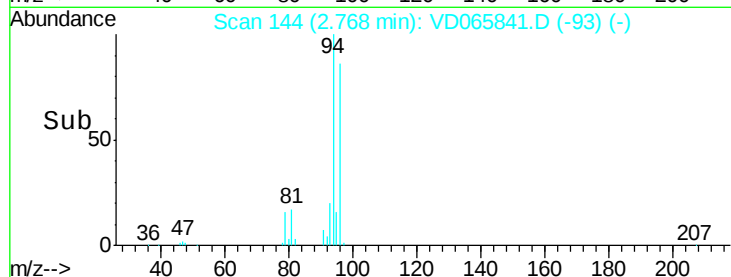
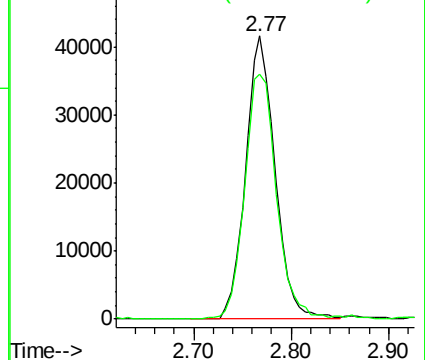
94 100

96 86.4 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: 56.687 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065841.D

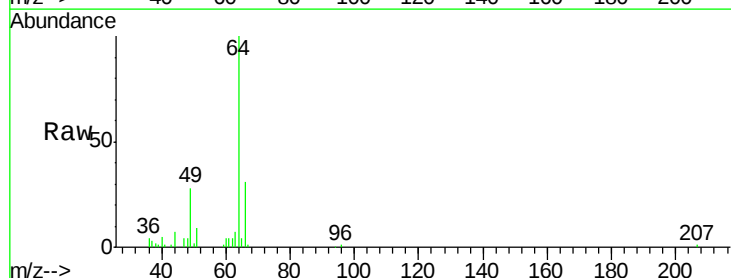
Acq: 19 Jun 2020 20:56

Tgt Ion: 64 Resp: 87825

Ion Ratio Lower Upper

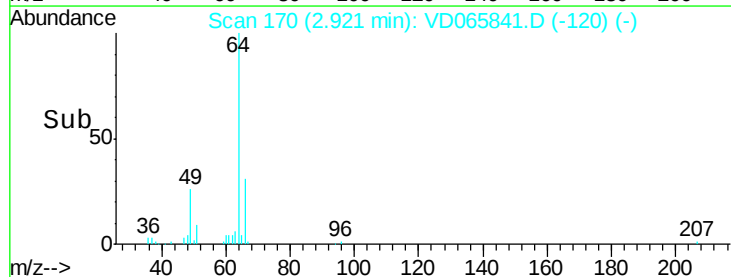
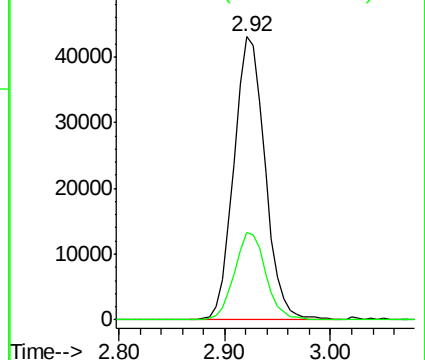
64 100

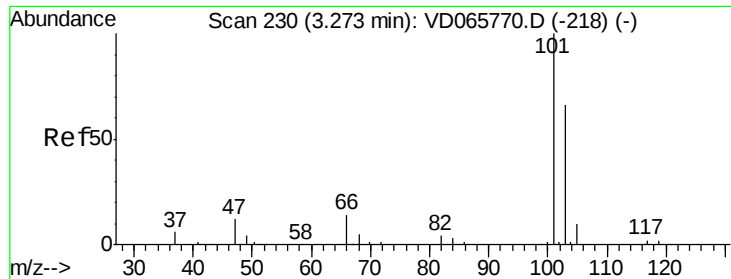
66 31.0 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



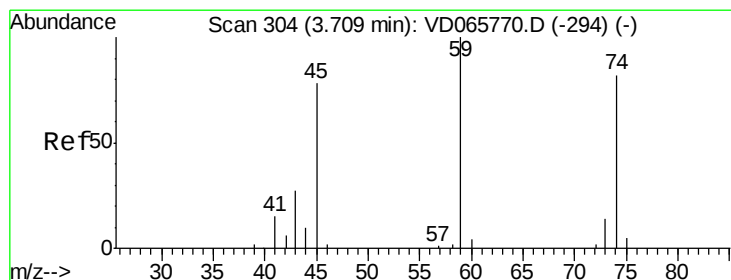
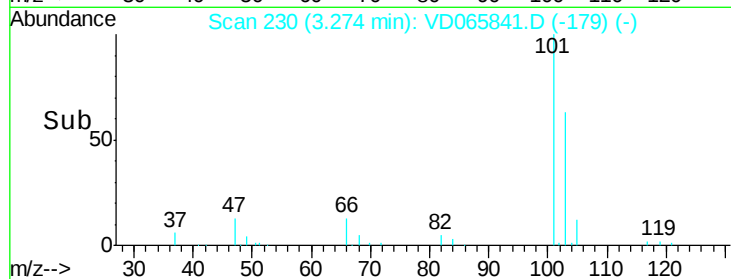
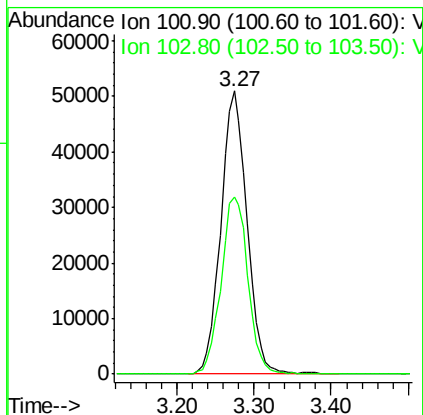
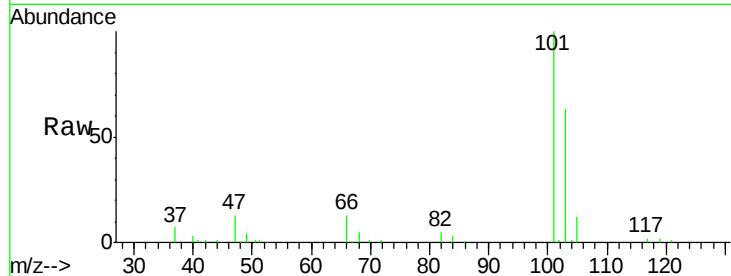


#7

Trichlorofluoromethane
 Concen: 46.318 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

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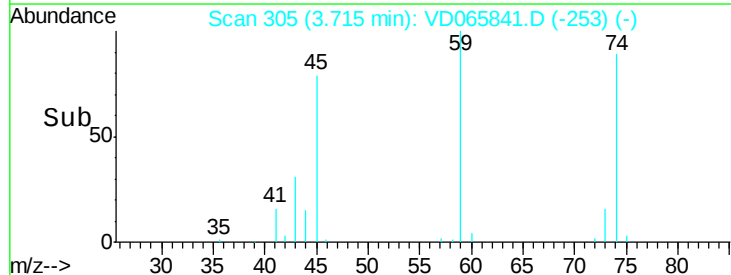
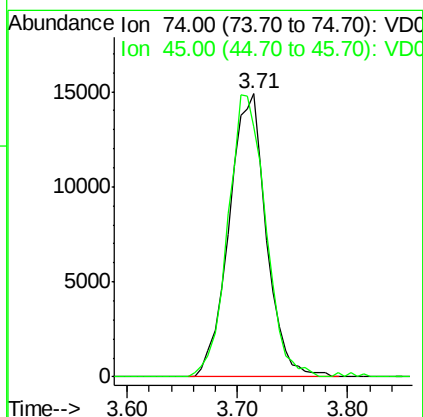
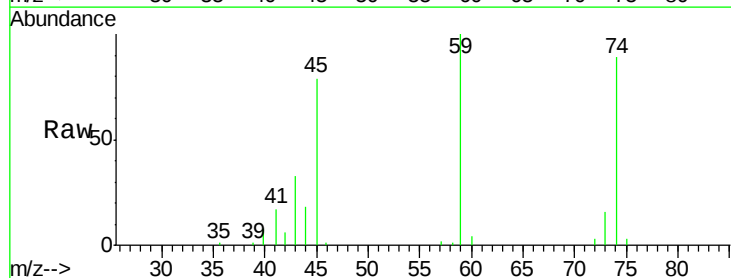
Tot Ion:101 Resp: 120244
 Ion Ratio Lower Upper
 101 100
 103 62.7 53.1 79.7

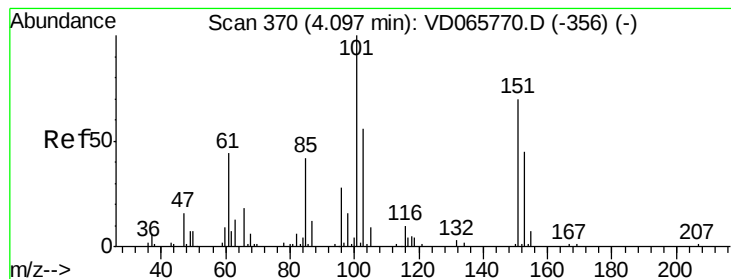


#8

Diethyl Ether
 Concen: 51.476 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Tgt Ion: 74 Resp: 35134
 Ion Ratio Lower Upper
 74 100
 45 100.8 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.840 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

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VSTDCCC050EC

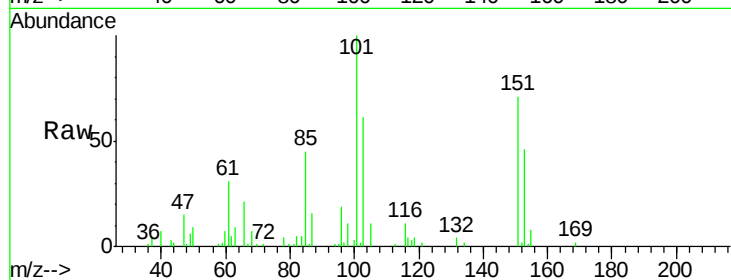
Tot Ion:101 Resp: 72508

Ion Ratio Lower Upper

101 100

85 43.8 36.5 54.7

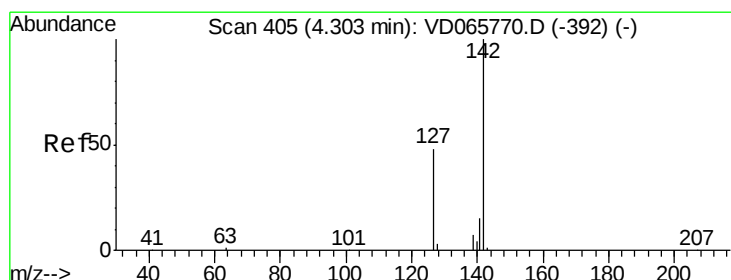
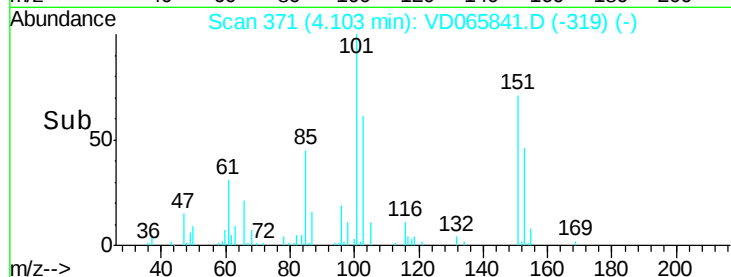
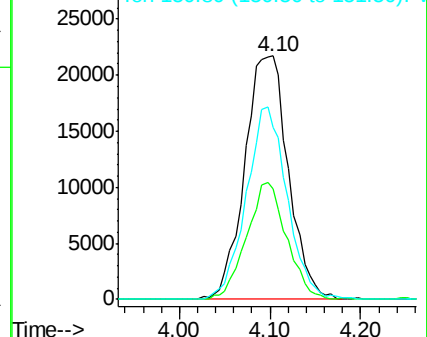
151 74.2 61.8 92.6



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: 47.637 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

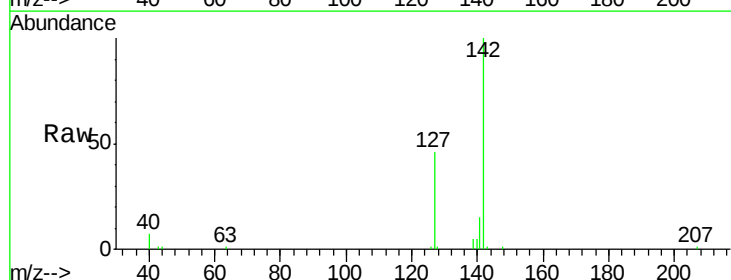
Tgt Ion:142 Resp: 71809

Ion Ratio Lower Upper

142 100

127 48.2 37.6 56.4

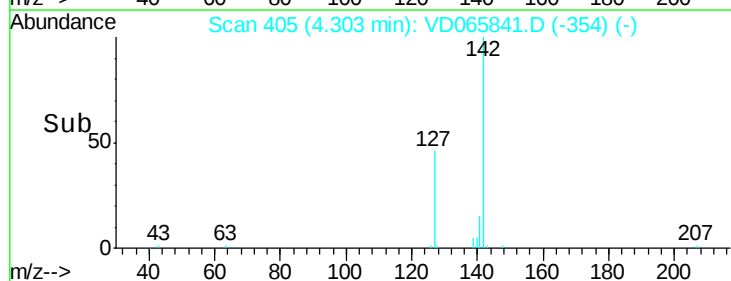
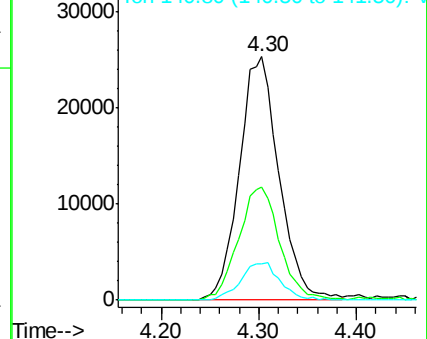
141 15.2 12.1 18.1

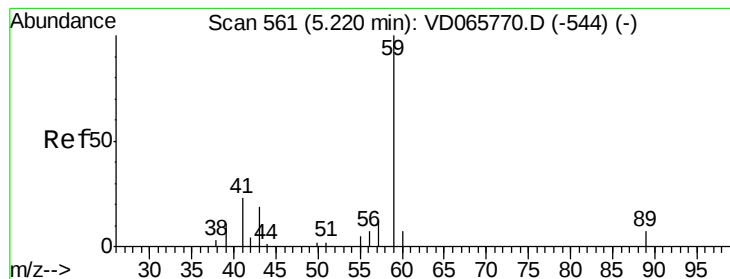


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



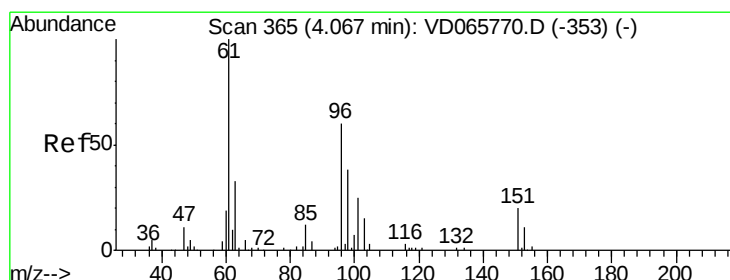
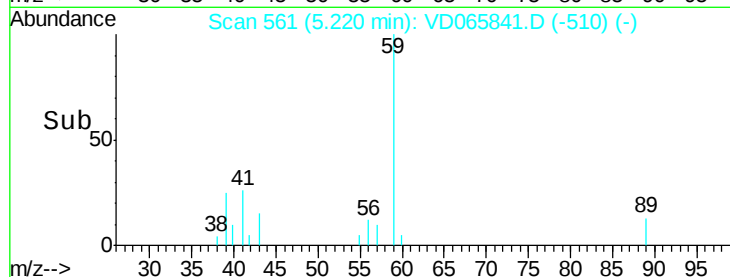
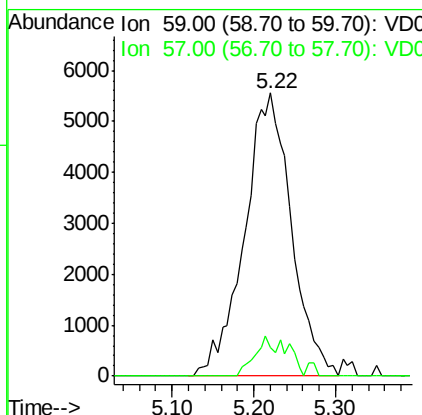
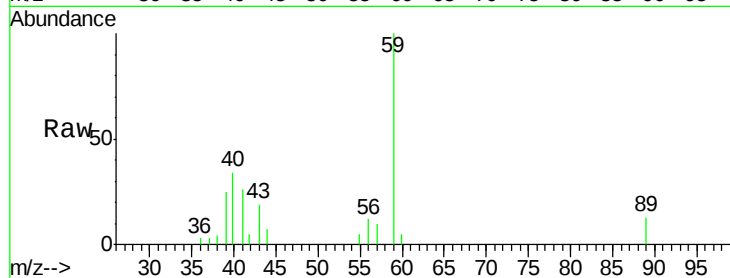


#11

Tert butyl alcohol
 Concen: 257.822 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

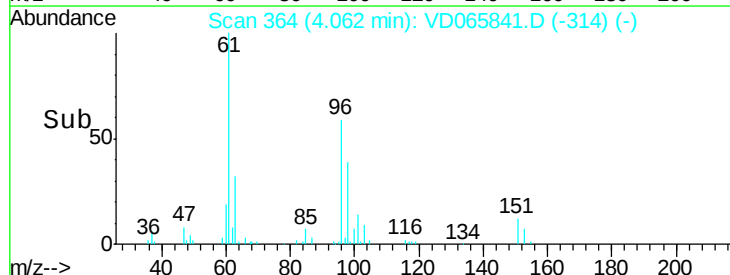
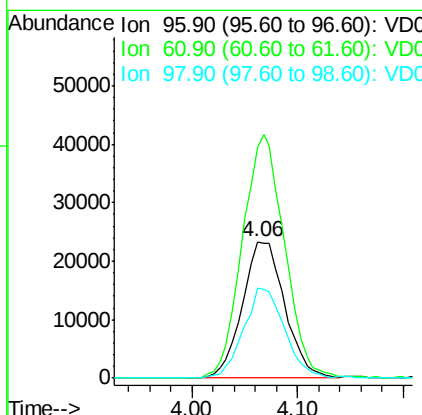
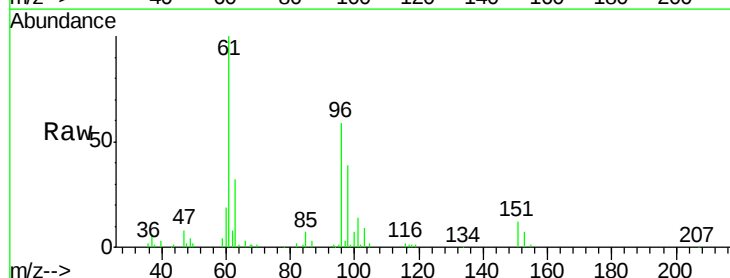
Tot Ion: 59 Resp: 22082
 Ion Ratio Lower Upper
 59 100
 57 5.7 7.5 11.3#

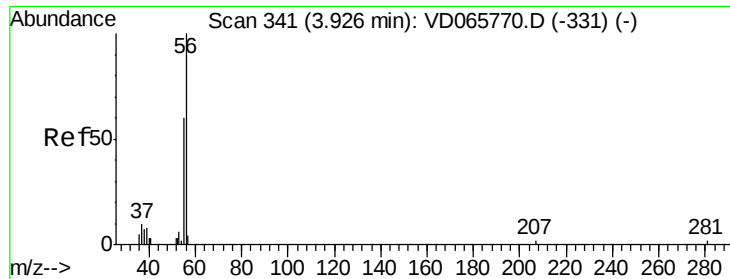


#12

1,1-Dichloroethene
 Concen: 46.135 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Tgt Ion: 96 Resp: 65091
 Ion Ratio Lower Upper
 96 100
 61 169.7 132.3 198.5
 98 66.0 50.7 76.1





#13

Acrolein

Concen: 221.780 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

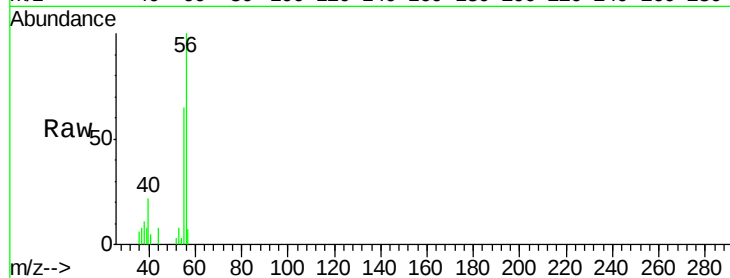
VSTDCCC050EC

Tot Ion: 56 Resp: 19117

Ion Ratio Lower Upper

56 100

55 72.1 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

6000

4000

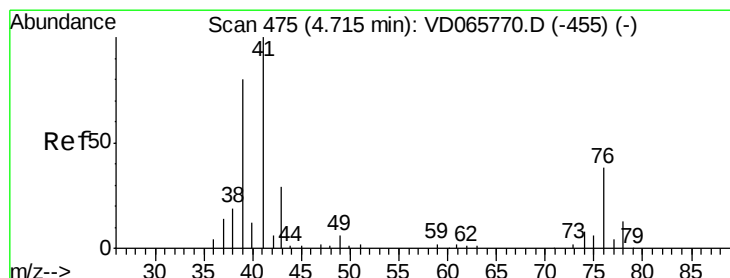
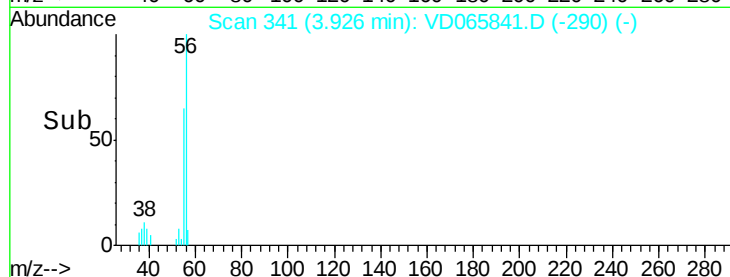
2000

0

Time--> 3.80

3.90

4.00



#14

Allyl chloride

Concen: 51.664 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

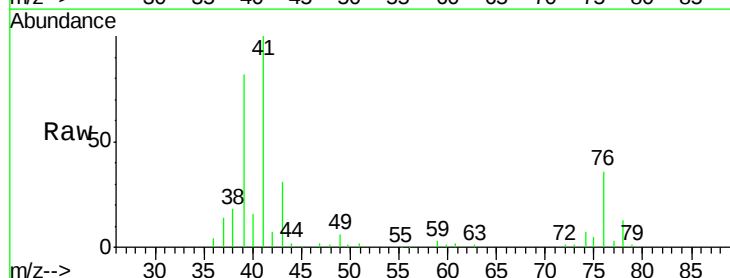
Tgt Ion: 41 Resp: 120476

Ion Ratio Lower Upper

41 100

39 79.5 60.9 91.3

76 35.5 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

4.71

50000

40000

30000

20000

10000

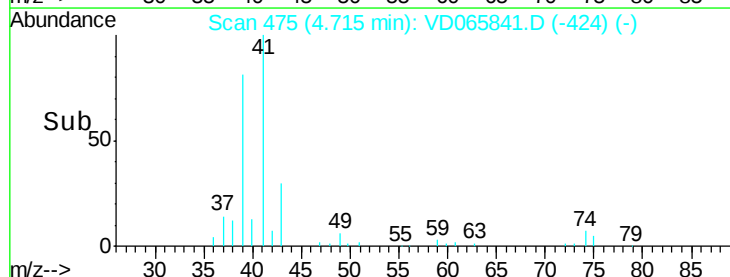
0

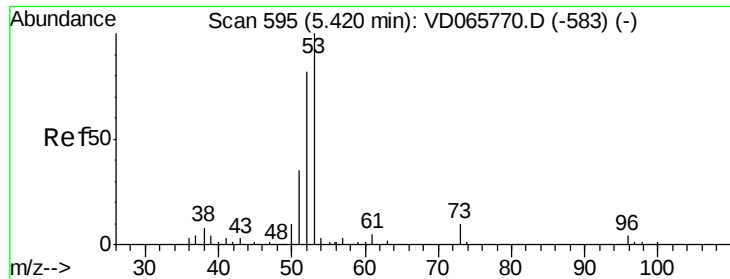
Time--> 4.50

4.60

4.70

4.80





#15

Acrylonitrile

Concen: 283.395 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

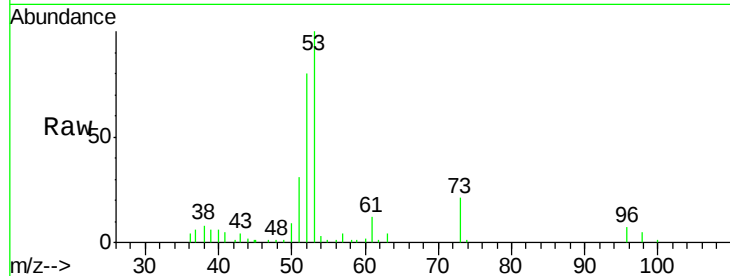
Tot Ion: 53 Resp: 87852

Ion Ratio Lower Upper

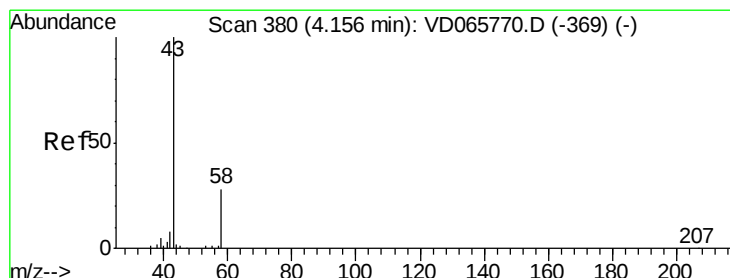
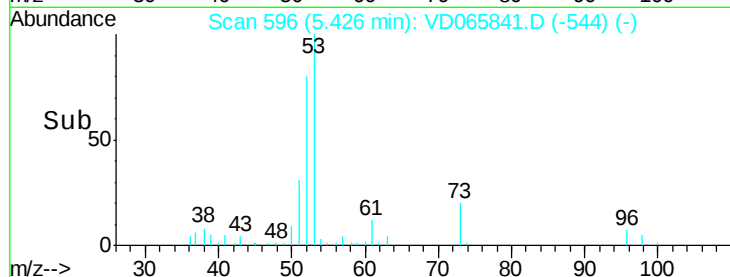
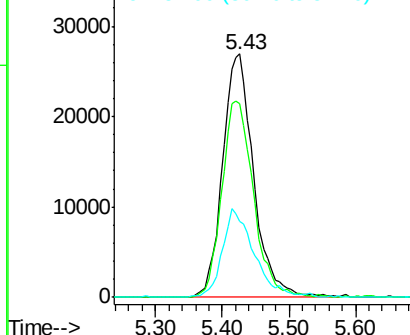
53 100

52 82.4 66.2 99.2

51 37.2 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: 249.210 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065841.D

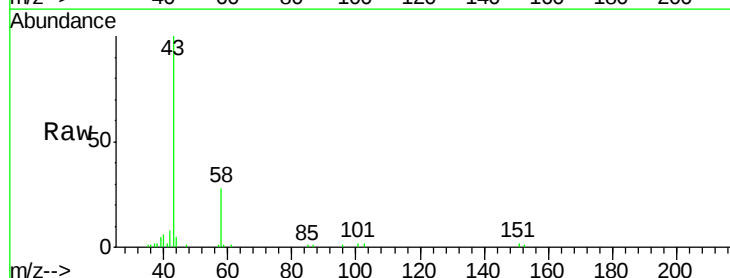
Acq: 19 Jun 2020 20:56

Tgt Ion: 43 Resp: 72142

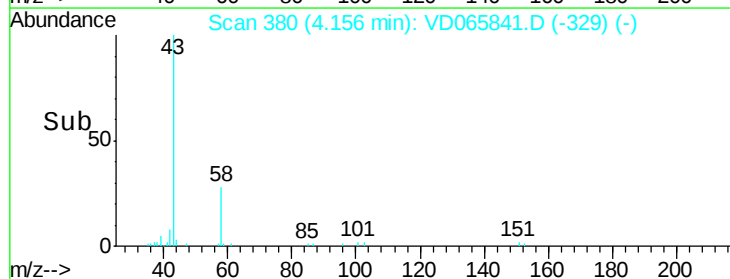
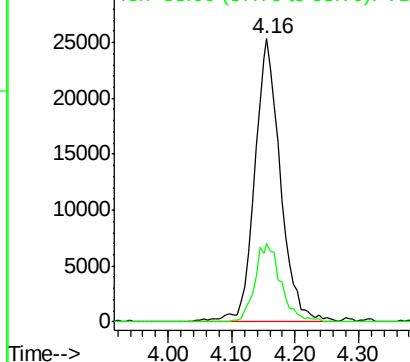
Ion Ratio Lower Upper

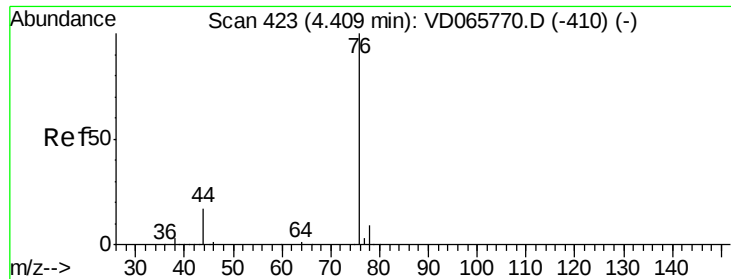
43 100

58 27.9 22.3 33.5



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

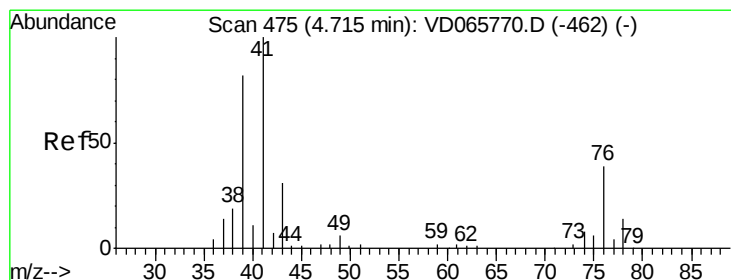
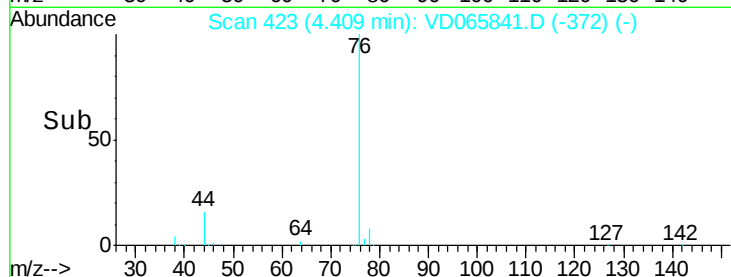
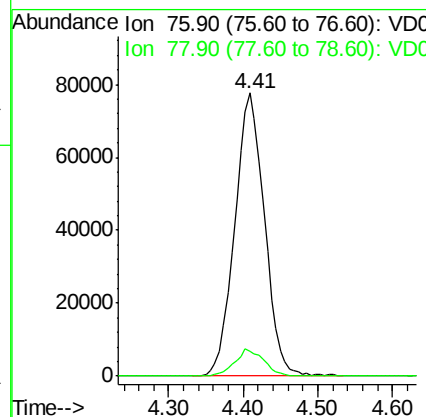
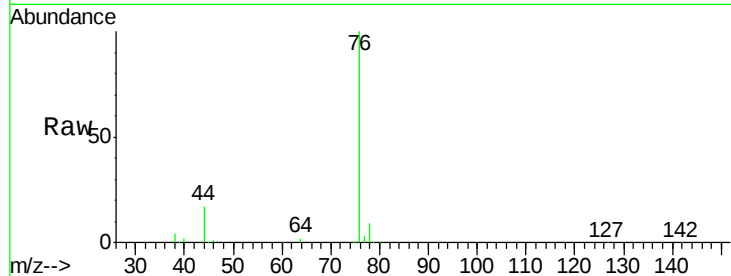




#17
Carbon Disulfide
Concen: 45.377 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

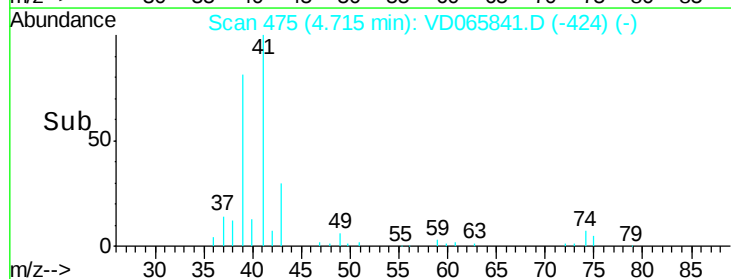
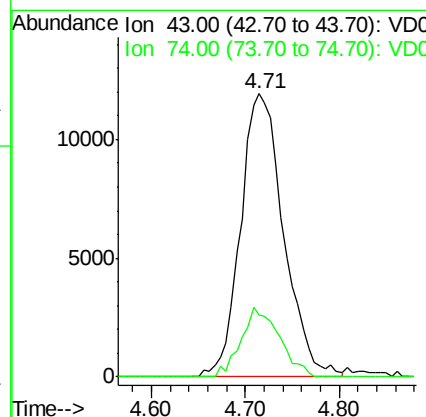
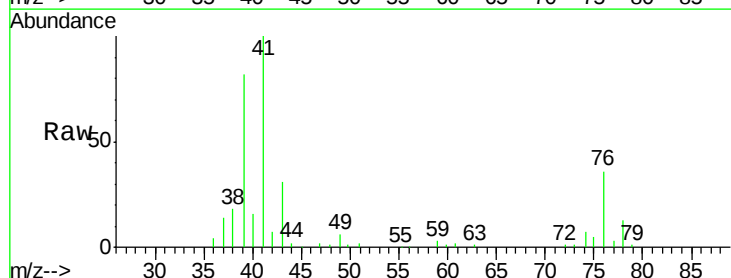
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

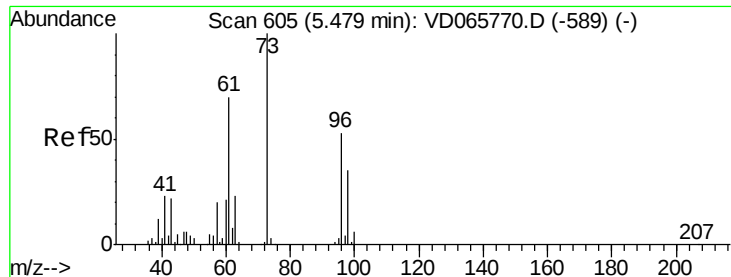
Tot Ion: 76 Resp: 214878
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 58.505 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion: 43 Resp: 37797
Ion Ratio Lower Upper
43 100
74 21.8 18.7 28.1

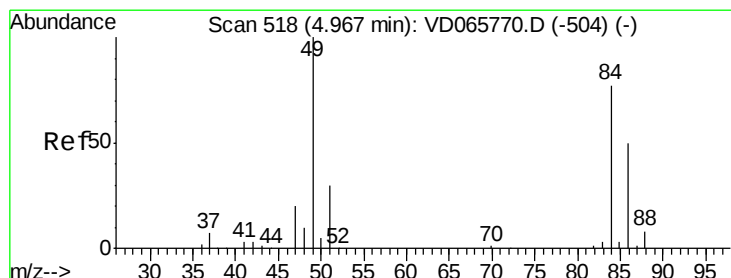
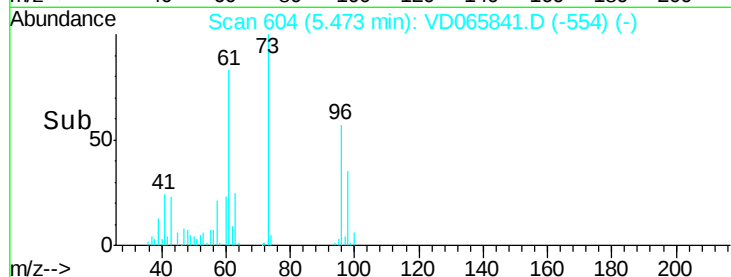
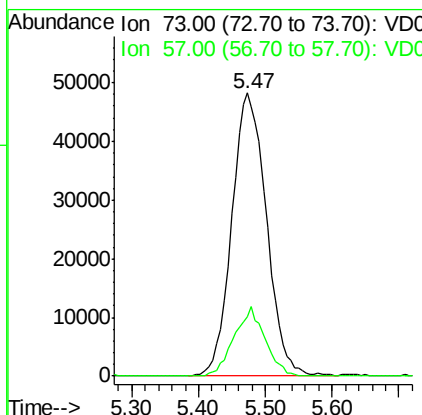
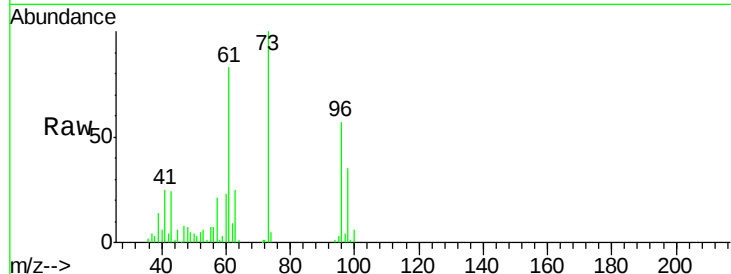




#19
Methvl tert-butvl Ether
Concen: 54.290 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

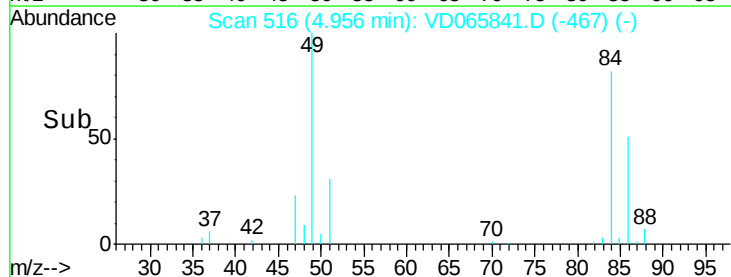
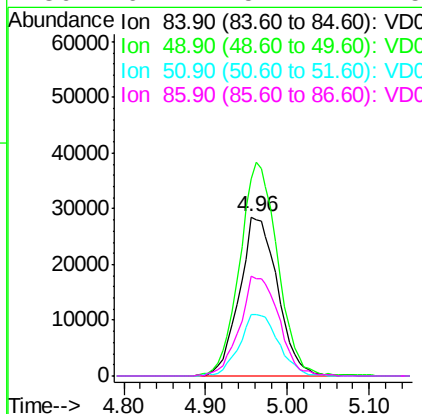
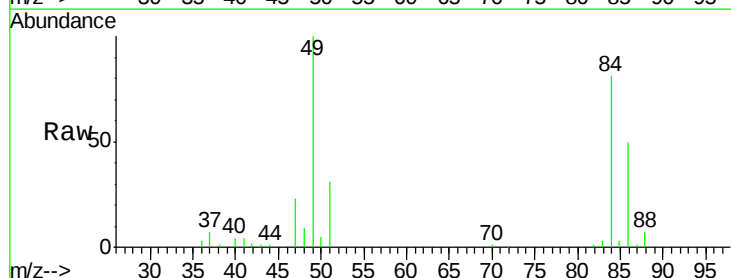
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

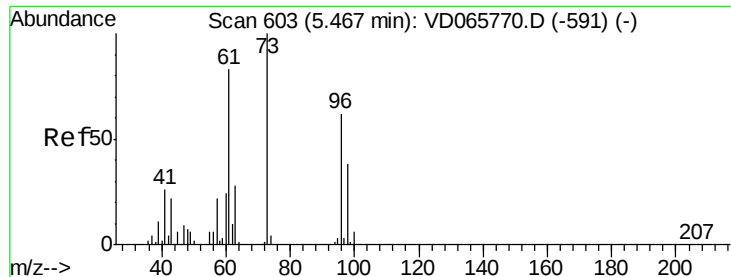
Tot Ion: 73 Resp: 173497
Ion Ratio Lower Upper
73 100
57 21.2 16.2 24.2



#20
Methylene Chloride
Concen: 61.144 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion: 84 Resp: 92476
Ion Ratio Lower Upper
84 100
49 123.7 103.4 155.0
51 38.3 31.4 47.2
86 62.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 50.320 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

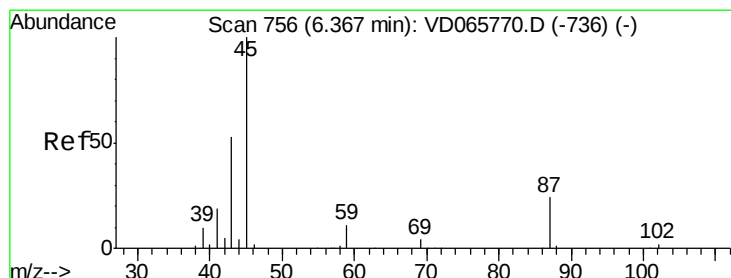
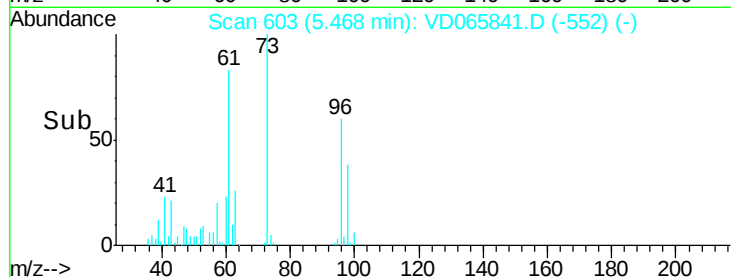
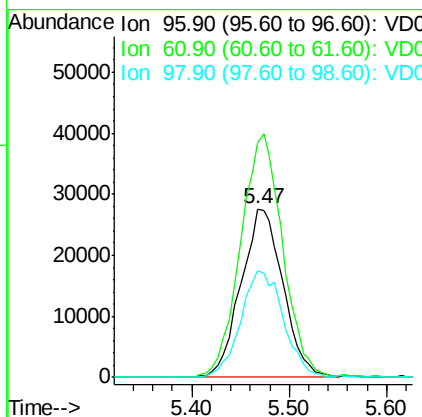
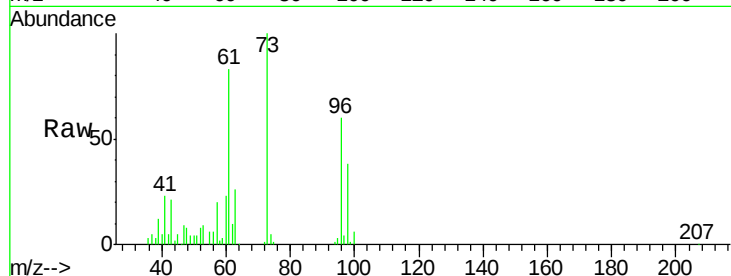
Tot Ion: 96 Resp: 83145

Ion Ratio Lower Upper

96 100

61 139.7 107.7 161.5

98 63.1 49.3 73.9



#22

Diisopropyl ether

Concen: 57.860 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Tgt Ion: 45 Resp: 272620

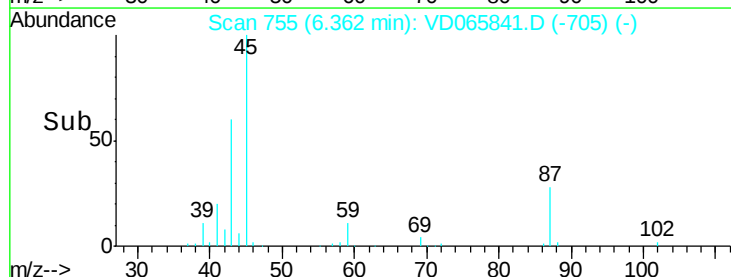
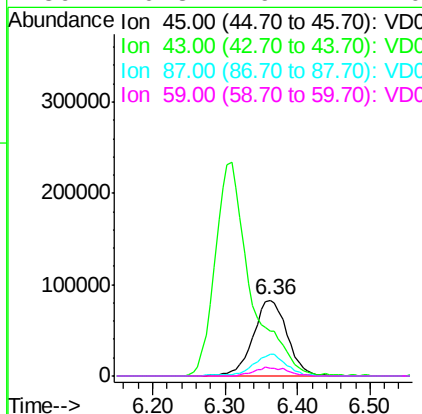
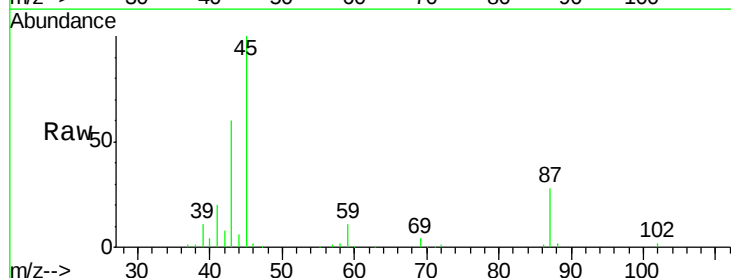
Ion Ratio Lower Upper

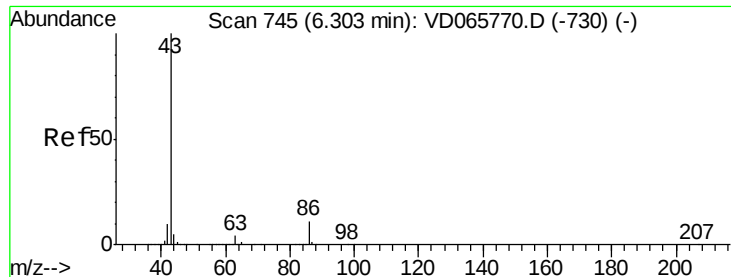
45 100

43 59.0 43.4 65.0

87 27.6 20.2 30.4

59 10.3 9.4 14.0





#23

Vinyl Acetate

Concen: 299.316 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

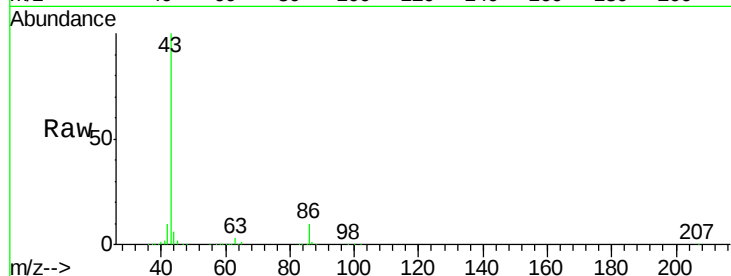
VSTDCCC050EC

Tot Ion: 43 Resp: 796370

Ion Ratio Lower Upper

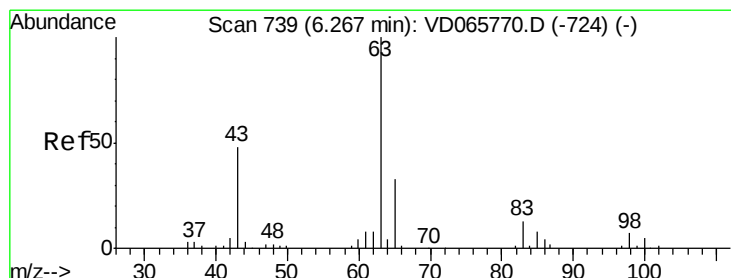
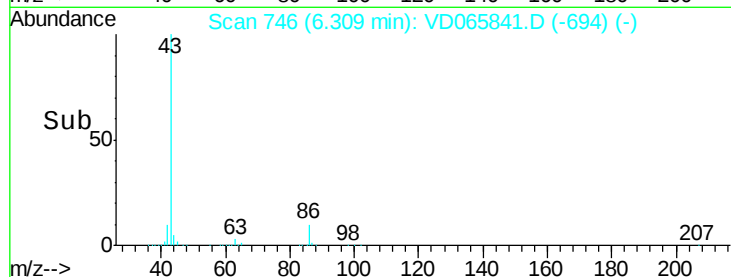
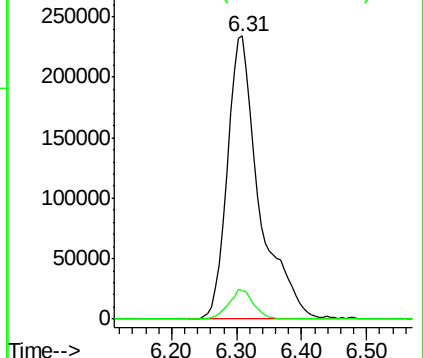
43 100

86 9.9 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: 54.745 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

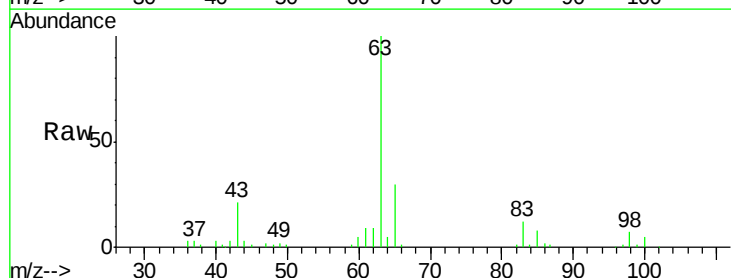
Tgt Ion: 63 Resp: 157165

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

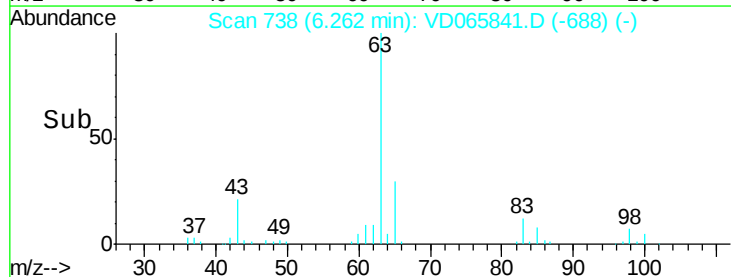
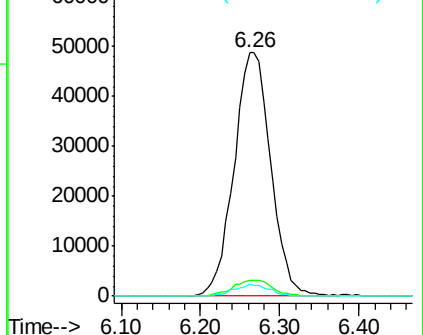
100 5.0 2.3 6.9

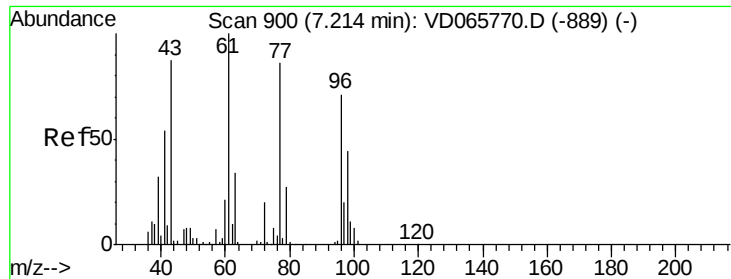


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 271.421 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

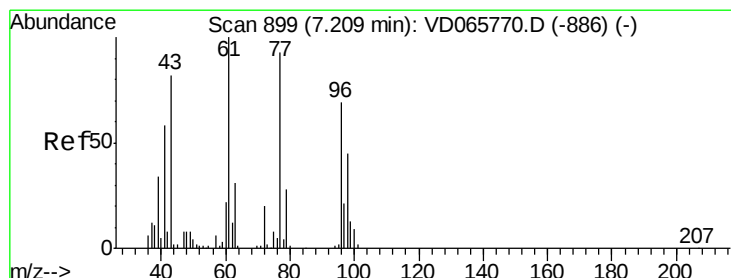
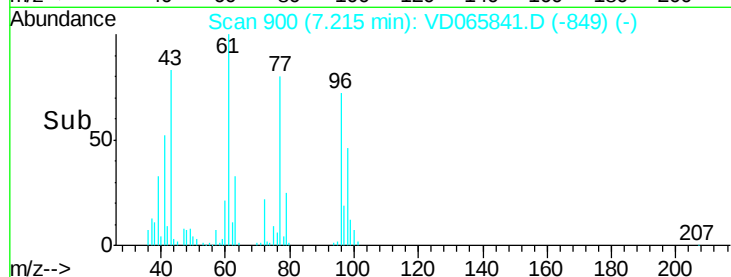
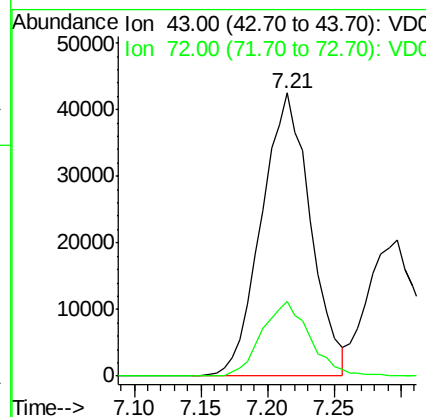
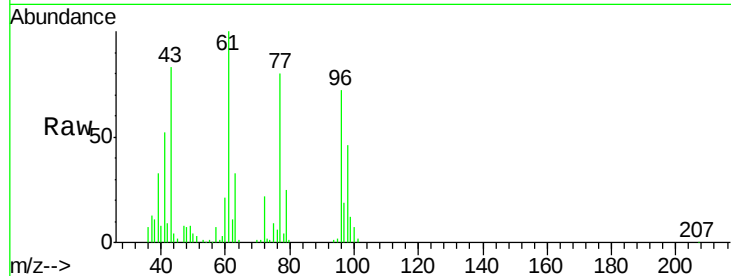
VSTDCCC050EC

Tot Ion: 43 Resp: 108512

Ion Ratio Lower Upper

43 100

72 26.3 18.5 27.7



#26

2,2-Dichloropropane

Concen: 49.516 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065841.D

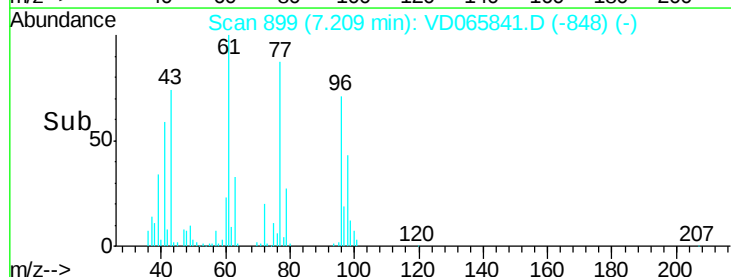
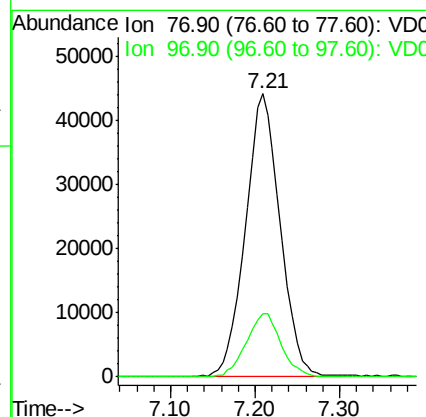
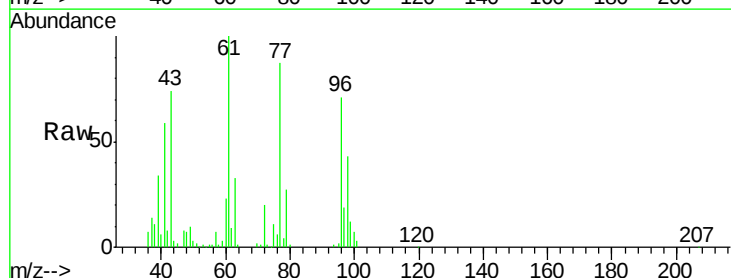
Acq: 19 Jun 2020 20:56

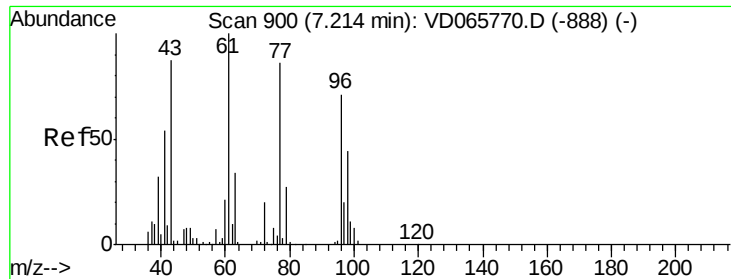
Tgt Ion: 77 Resp: 126043

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.7



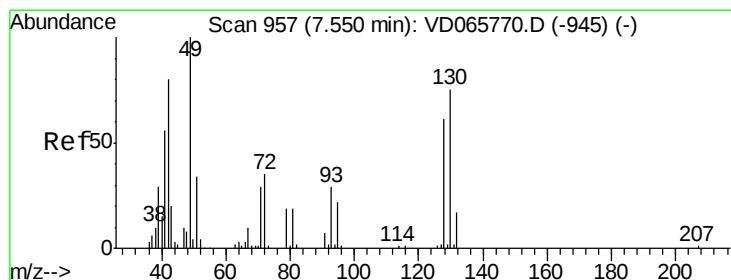
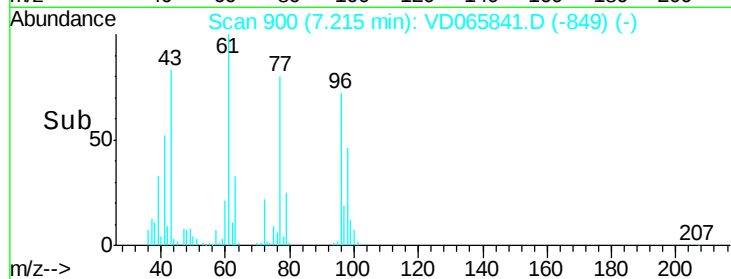
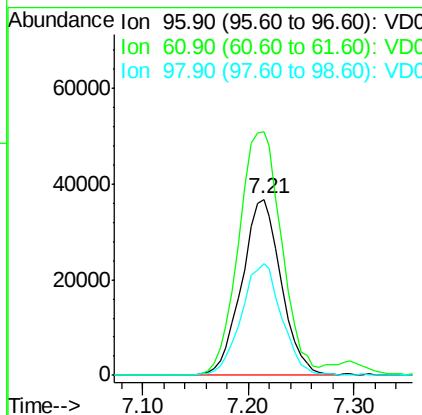
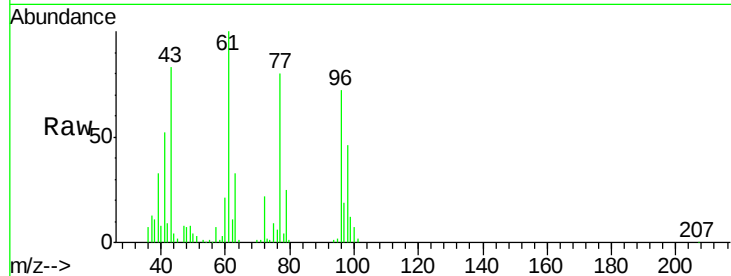


#27

cis-1,2-Dichloroethene
 Concen: 53.920 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

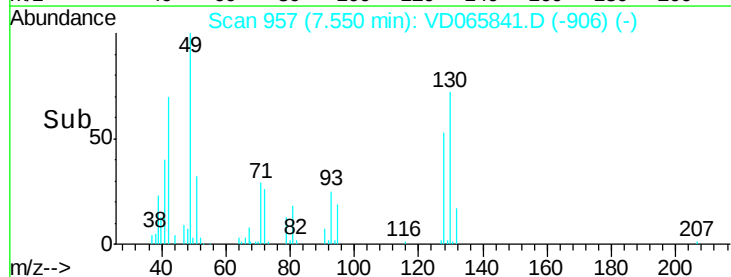
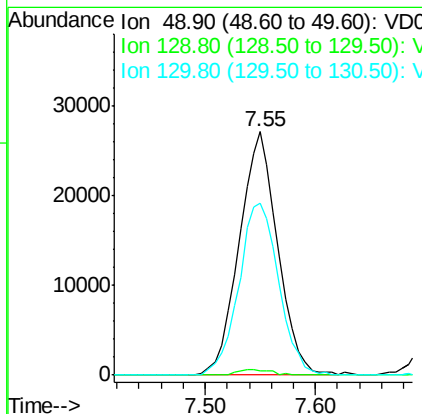
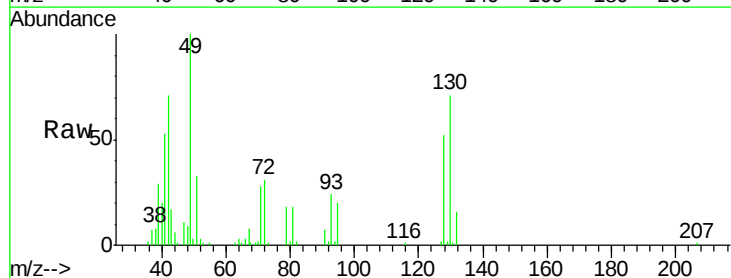
Tot Ion: 96 Resp: 95837
 Ion Ratio Lower Upper
 96 100
 61 150.2 0.0 291.2
 98 64.7 0.0 128.8

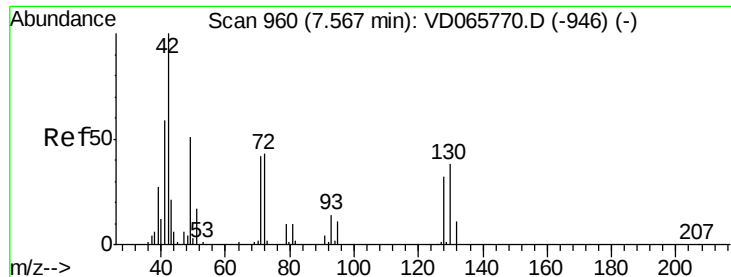


#28

Bromochloromethane
 Concen: 59.654 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Tgt Ion: 49 Resp: 66143
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.6
 130 73.6 59.5 89.3

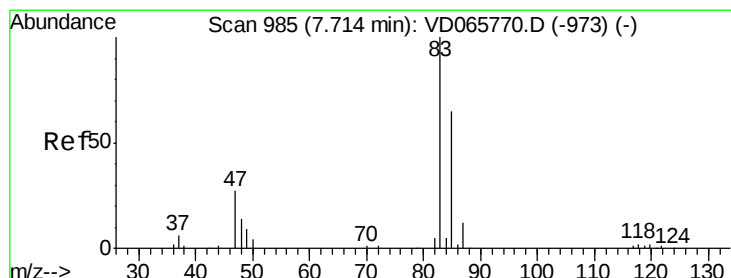
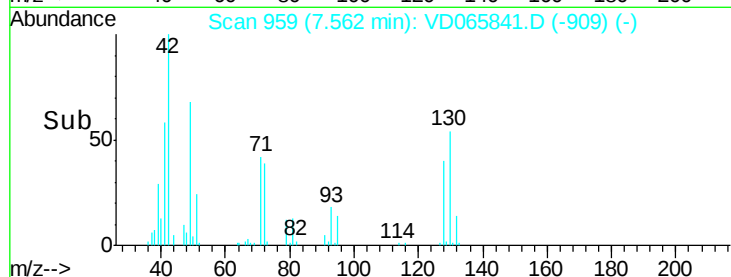
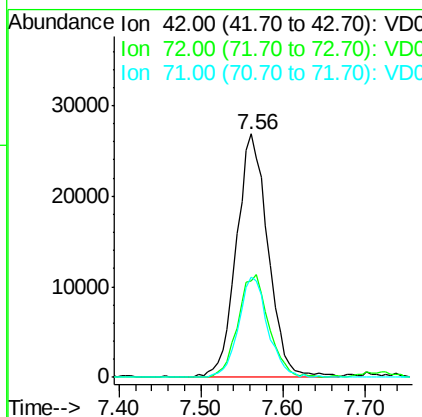
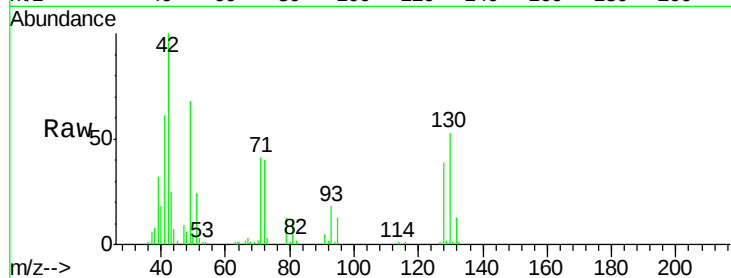




#29
Tetrahydrofuran
Concen: 287.145 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

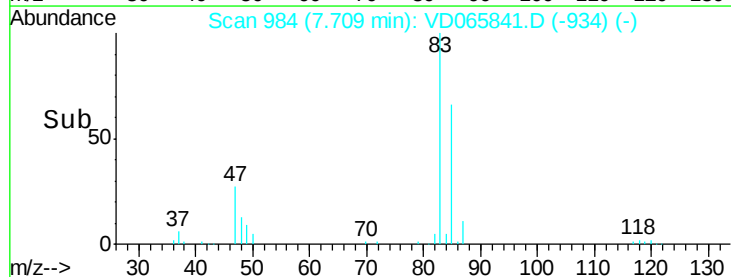
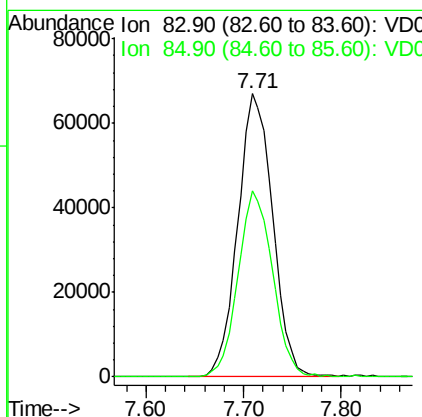
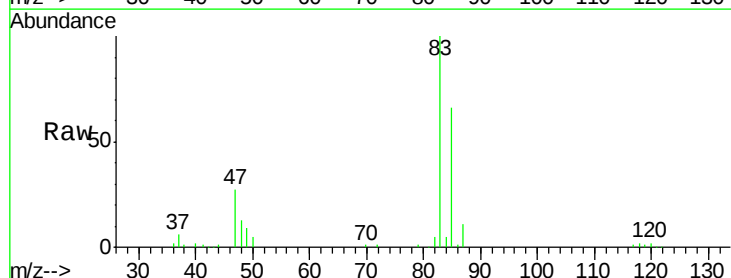
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

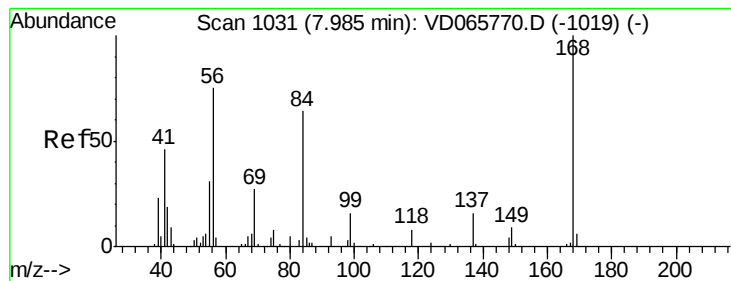
Tot Ion: 42 Resp: 72555
Ion Ratio Lower Upper
42 100
72 41.2 34.9 52.3
71 37.9 31.2 46.8



#30
Chloroform
Concen: 56.081 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion: 83 Resp: 166877
Ion Ratio Lower Upper
83 100
85 65.7 51.9 77.9





#31

Cyclohexane

Concen: 47.182 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

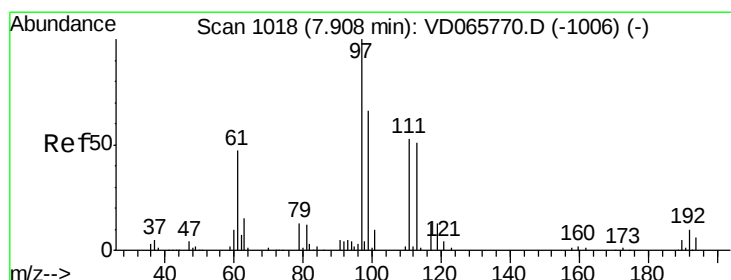
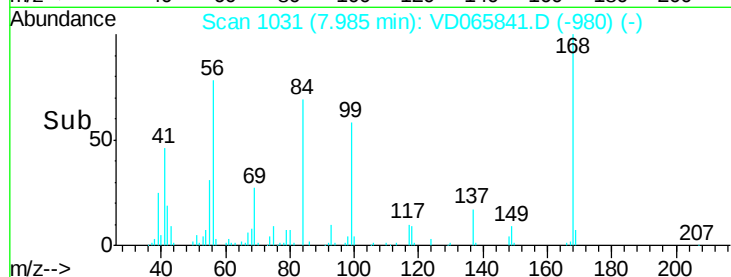
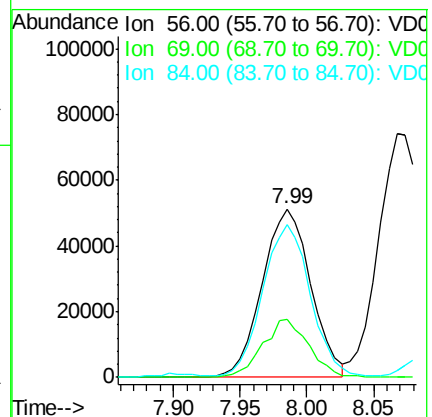
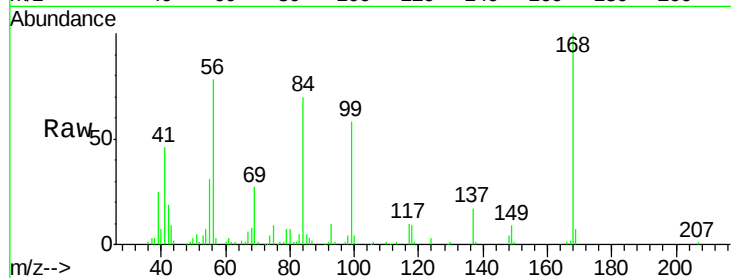
Tot Ion: 56 Resp: 129854

Ion Ratio Lower Upper

56 100

69 34.5 28.5 42.7

84 88.7 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 52.557 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

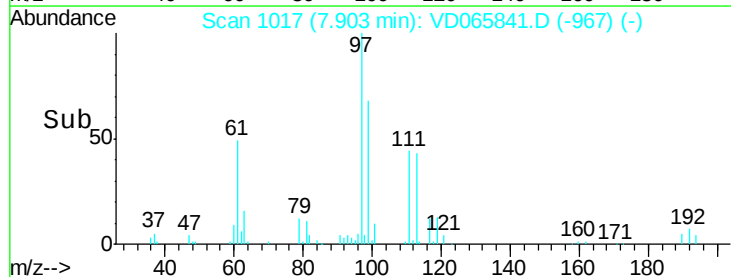
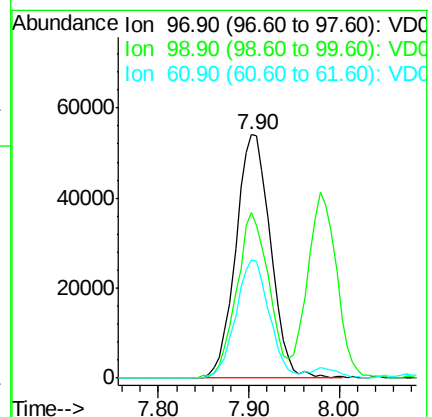
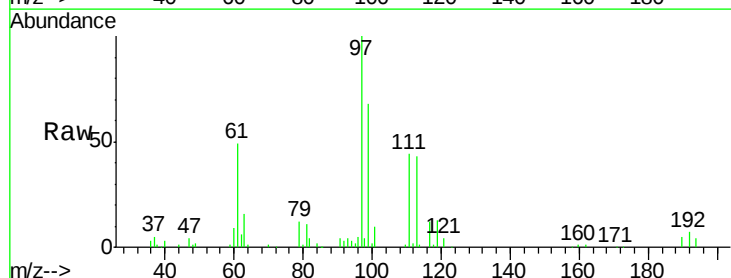
Tgt Ion: 97 Resp: 143805

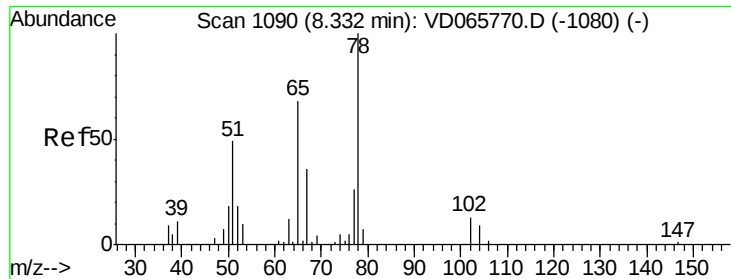
Ion Ratio Lower Upper

97 100

99 63.5 49.2 73.8

61 46.6 36.0 54.0

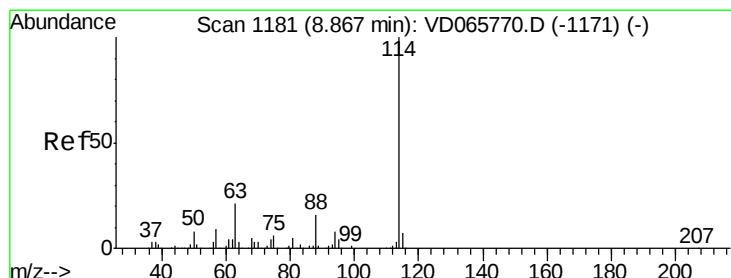
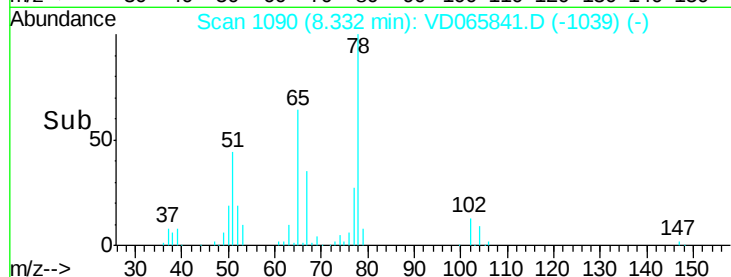
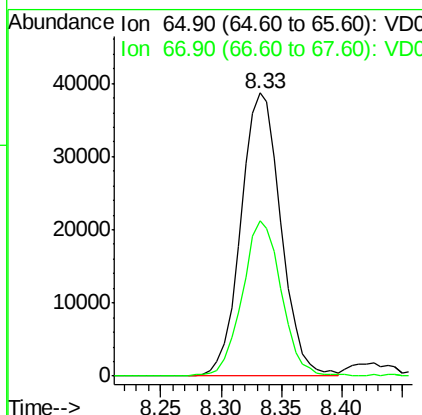
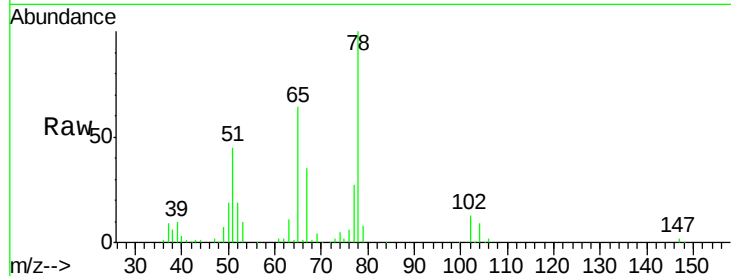




#33
 1,2-Dichloroethane-d4
 Concen: 58.087 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

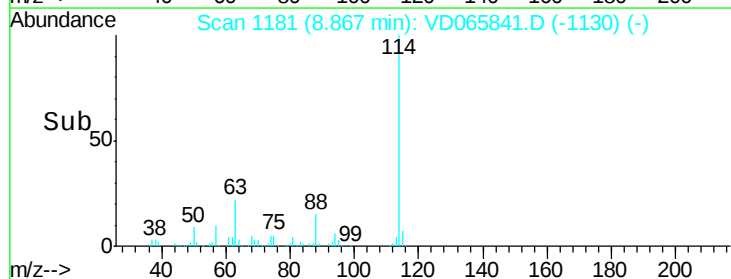
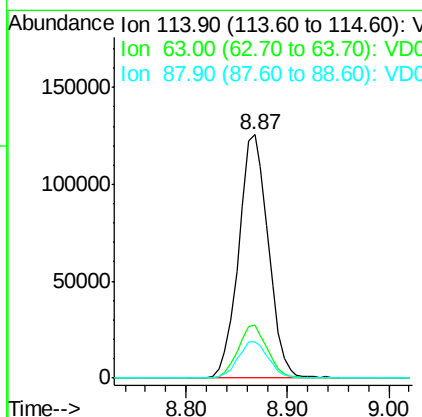
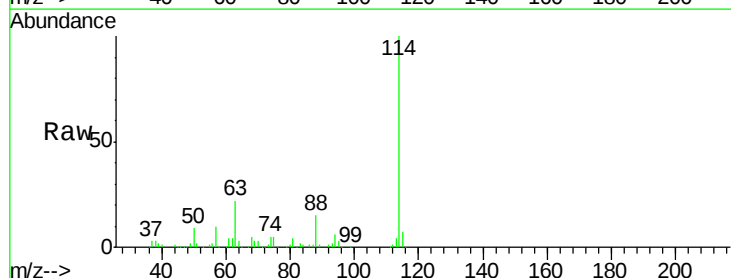
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

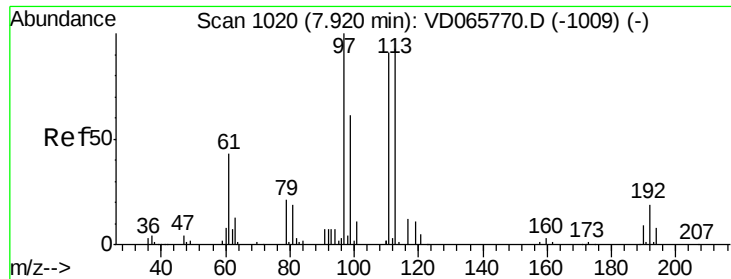
Tot Ion: 65 Resp: 89142
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Tgt Ion: 114 Resp: 254715
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.8
 88 14.7 0.0 32.0

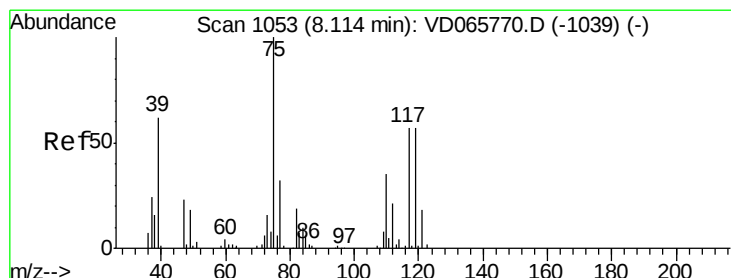
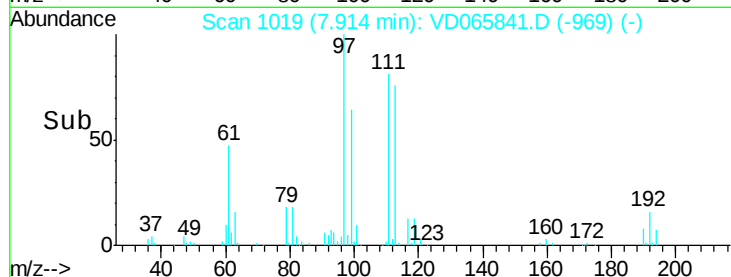
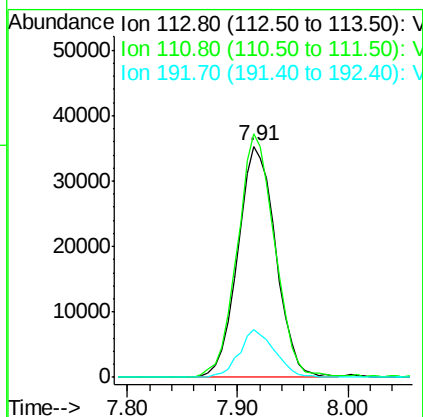
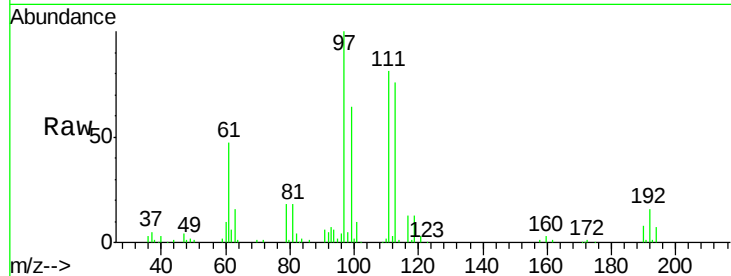




#35
 Dibromofluoromethane
 Concen: 53.004 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

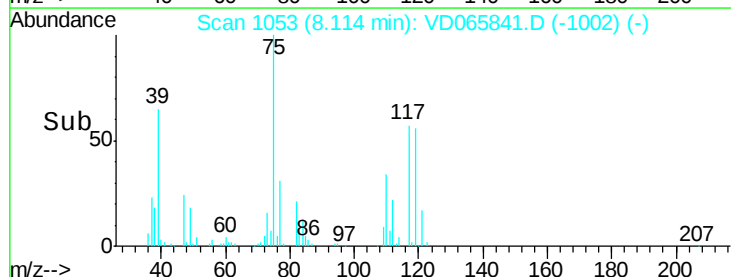
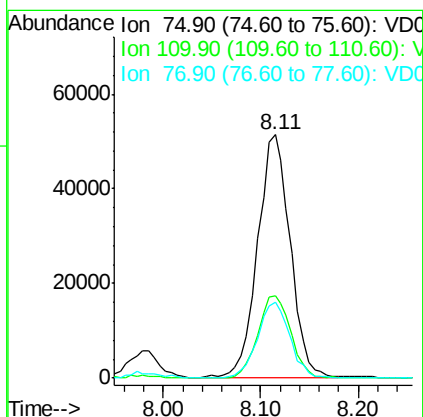
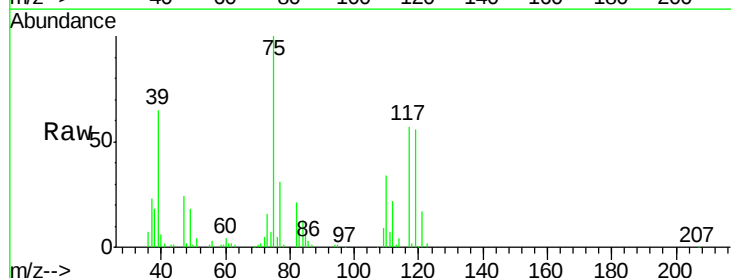
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

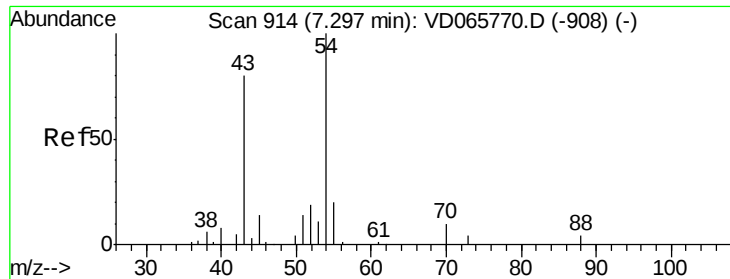
Tot Ion:113 Resp: 85279
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.4 125.0
 192 19.3 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 49.558 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Tgt Ion: 75 Resp: 120922
 Ion Ratio Lower Upper
 75 100
 110 34.0 17.6 52.8
 77 31.1 25.1 37.7

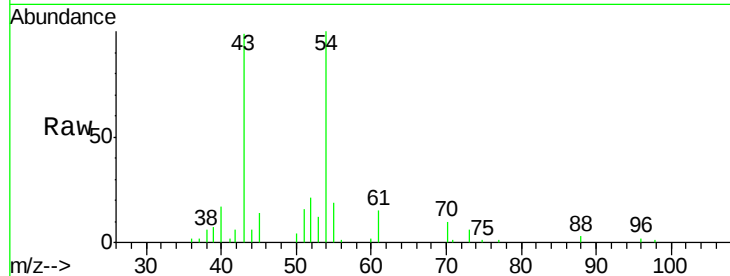




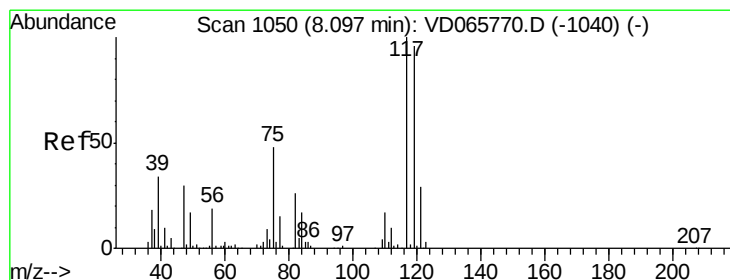
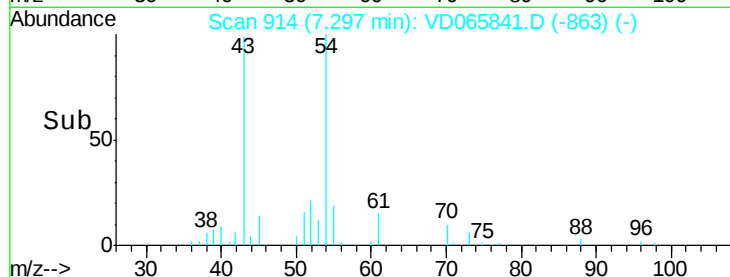
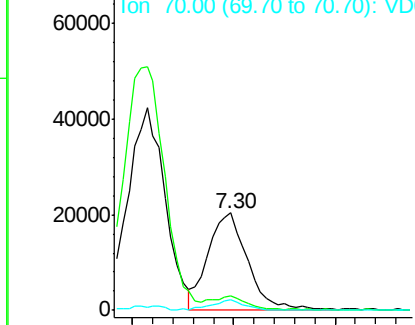
#37
Ethyl Acetate
Concen: 56.623 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 54420
Ion Ratio Lower Upper
43 100
61 12.8 10.6 15.8
70 9.3 7.5 11.3

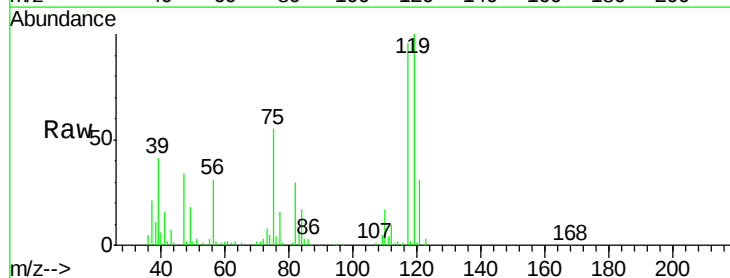


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

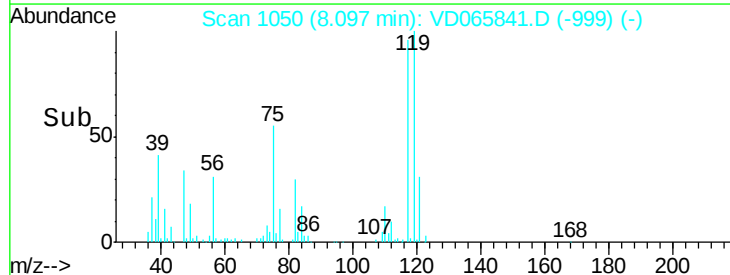
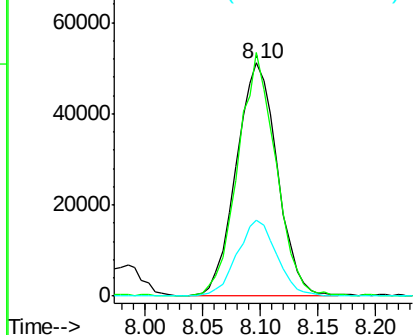


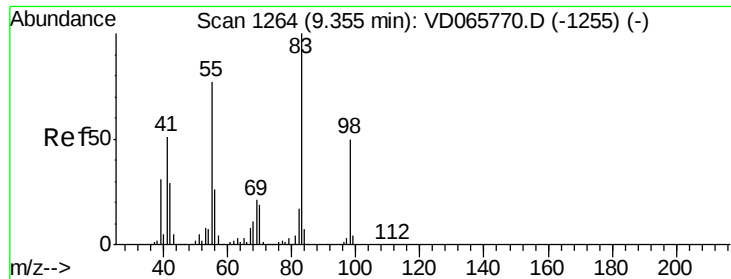
#38
Carbon Tetrachloride
Concen: 49.331 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion: 117 Resp: 126676
Ion Ratio Lower Upper
117 100
119 104.5 76.8 115.2
121 32.5 23.4 35.2



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

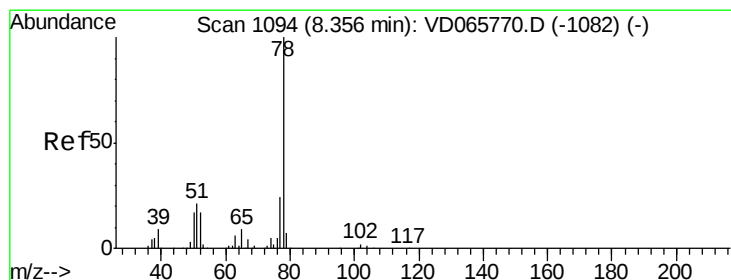
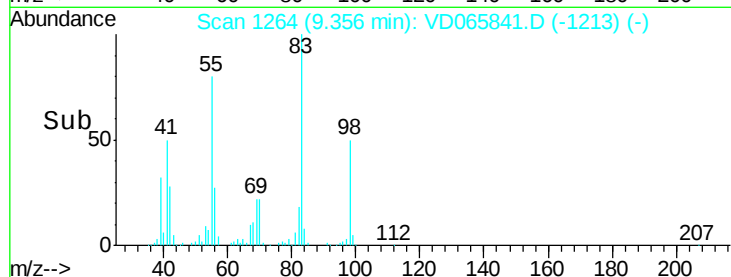
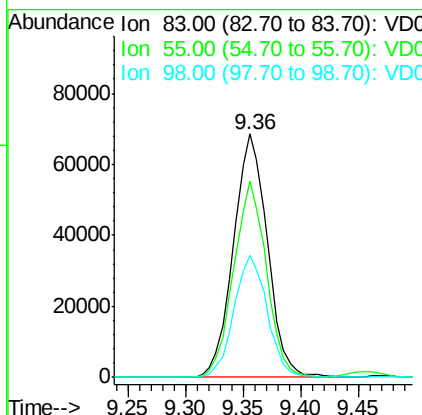
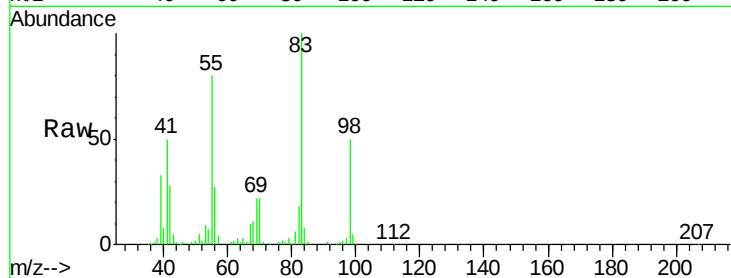




#39
Methvlcvclohexane
Concen: 48.466 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

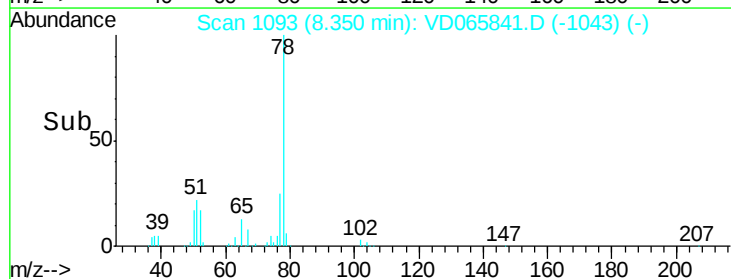
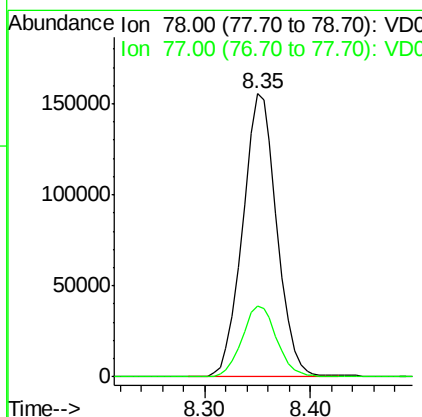
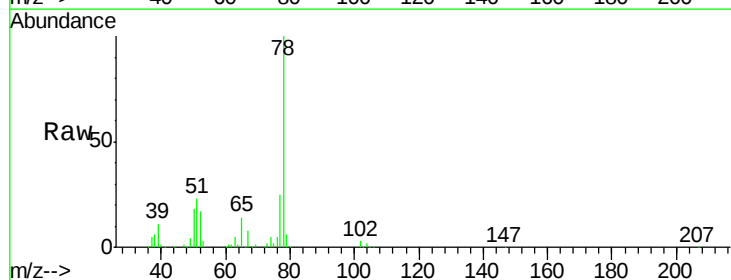
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

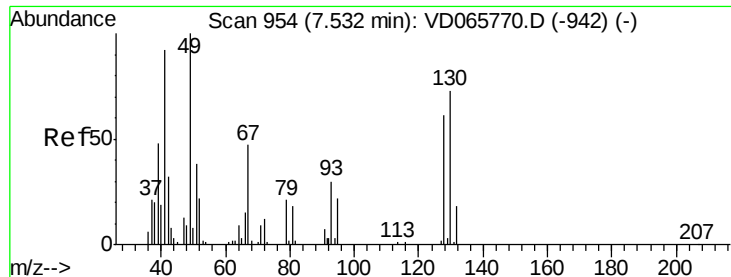
Tot Ion: 83 Resp: 140012
Ion Ratio Lower Upper
83 100
55 80.4 61.6 92.4
98 49.9 40.2 60.2



#40
Benzene
Concen: 52.269 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion: 78 Resp: 348660
Ion Ratio Lower Upper
78 100
77 25.1 19.2 28.8





#41

Methacrylonitrile

Concen: 45.550 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 26067

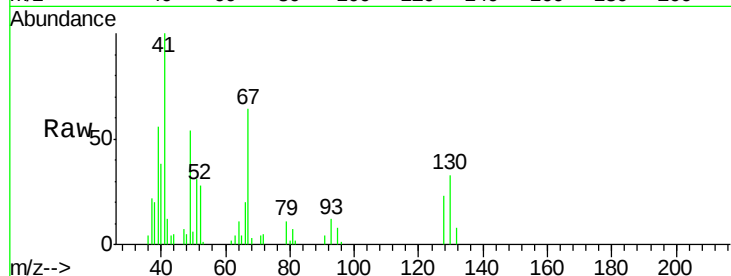
Ion Ratio Lower Upper

41 100

39 0.0 38.3 57.5#

67 78.7 49.8 74.6#

52 37.9 21.7 32.5#

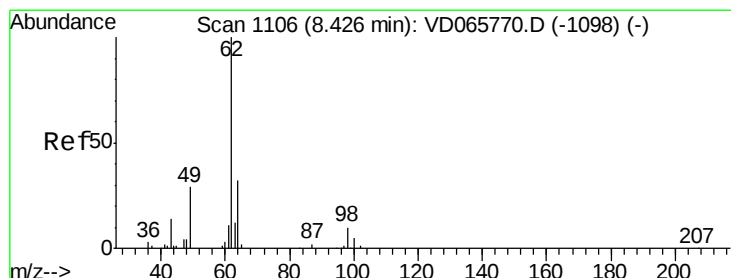
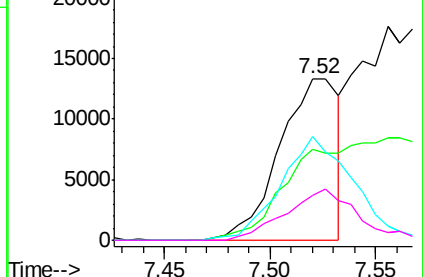
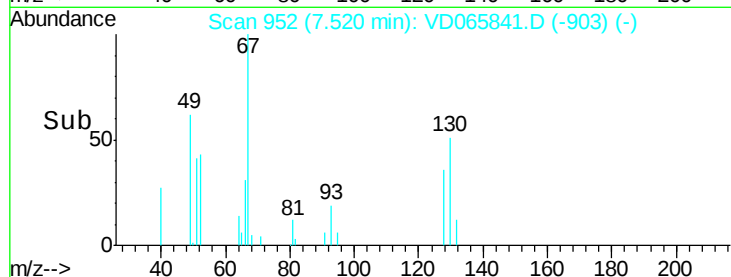


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 55.157 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD065841.D

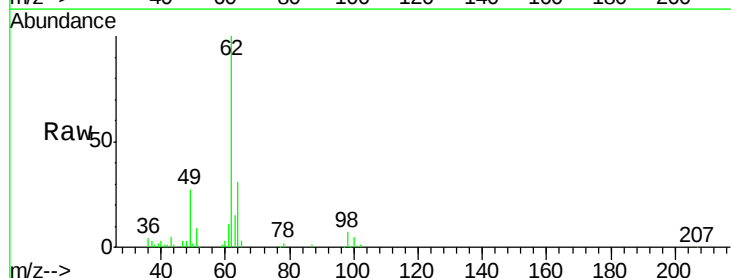
Acq: 19 Jun 2020 20:56

Tgt Ion: 62 Resp: 111013

Ion Ratio Lower Upper

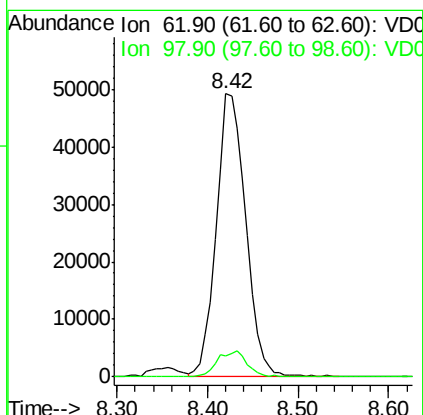
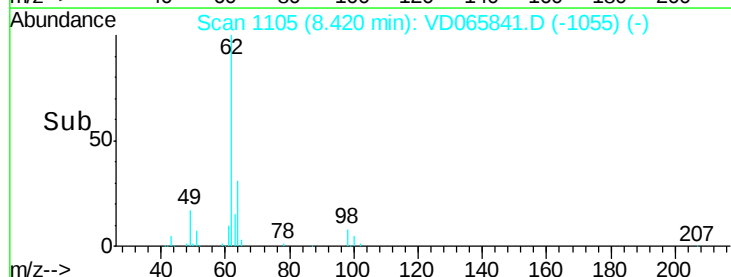
62 100

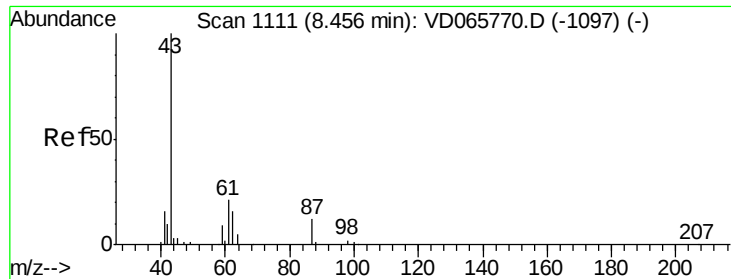
98 9.3 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 55.487 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

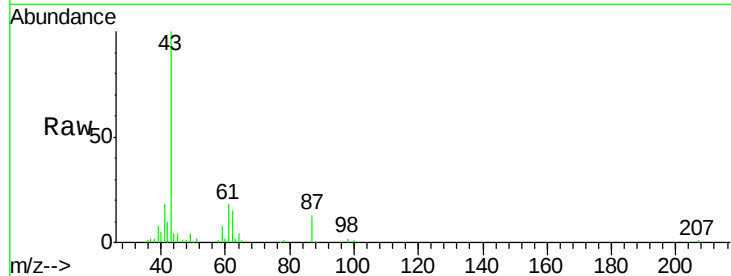
Tot Ion: 43 Resp: 106043

Ion Ratio Lower Upper

43 100

61 29.4 24.2 36.4

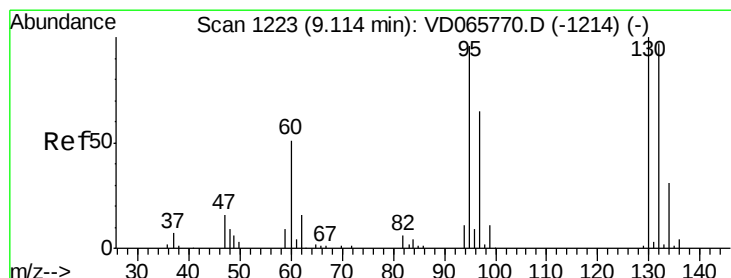
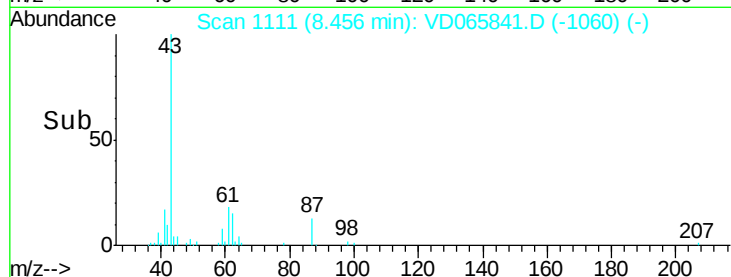
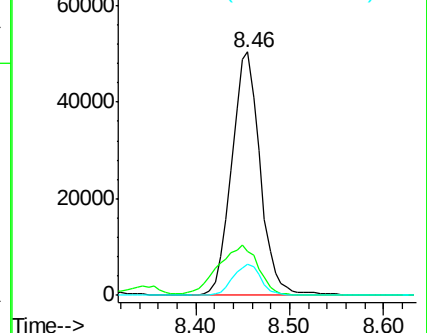
87 12.4 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.412 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065841.D

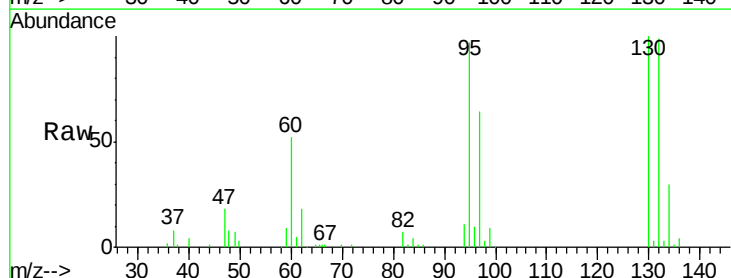
Acq: 19 Jun 2020 20:56

Tgt Ion: 130 Resp: 91724

Ion Ratio Lower Upper

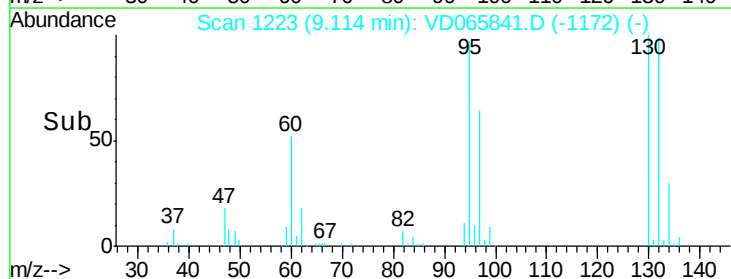
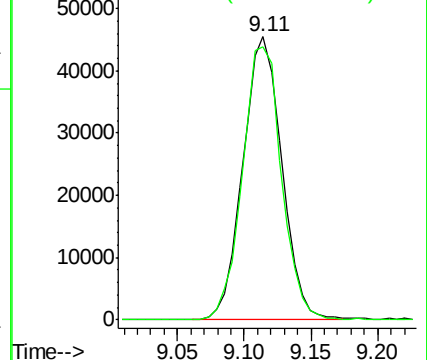
130 100

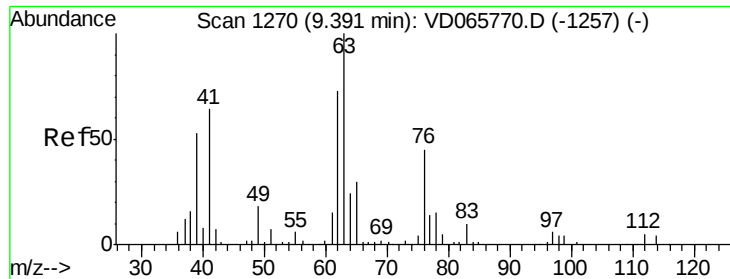
95 96.6 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 54.317 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

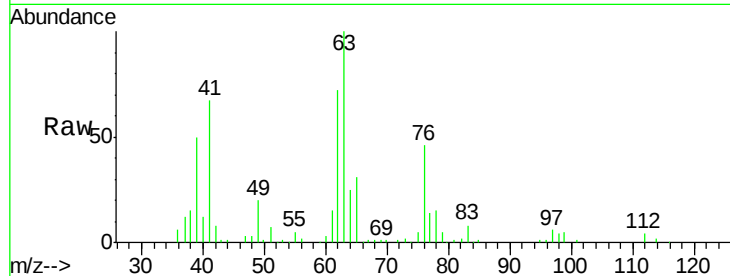
VSTDCCC050EC

Tot Ion: 63 Resp: 91039

Ion Ratio Lower Upper

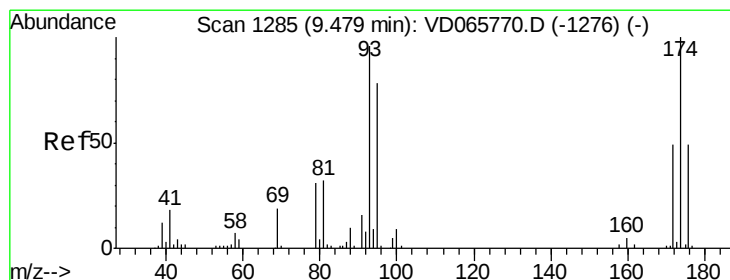
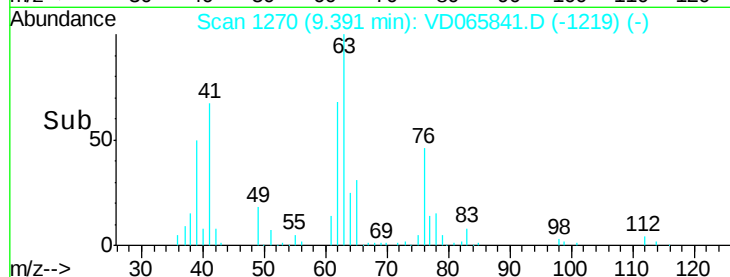
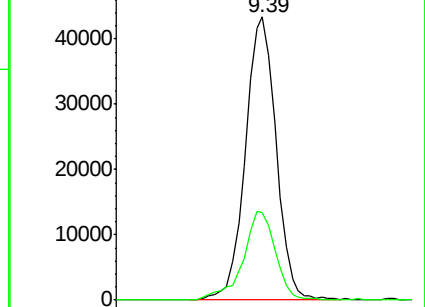
63 100

65 31.0 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 53.448 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

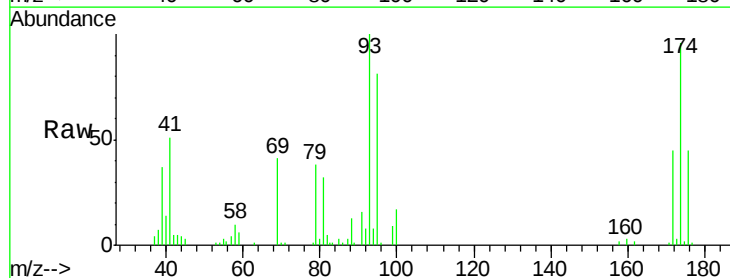
Tgt Ion: 93 Resp: 48585

Ion Ratio Lower Upper

93 100

95 85.9 65.8 98.6

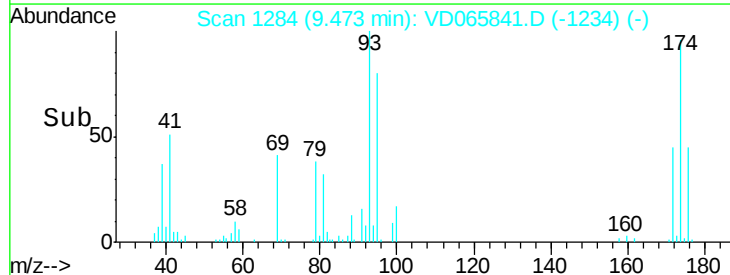
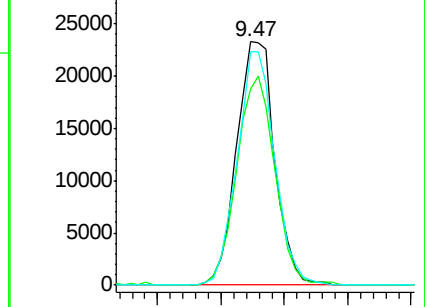
174 94.5 80.9 121.3

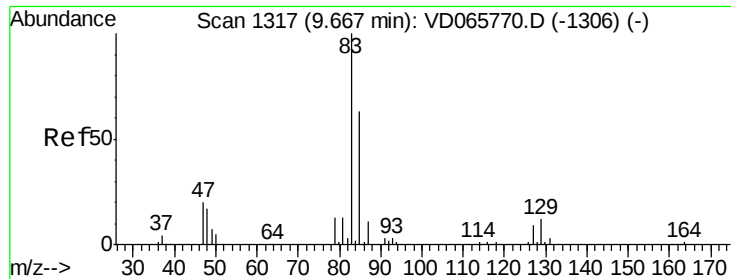


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.493 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

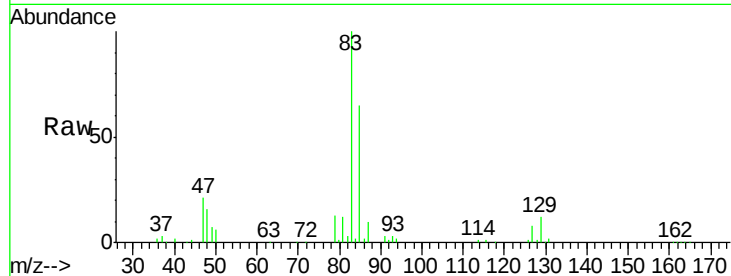
Tot Ion: 83 Resp: 132737

Ion Ratio Lower Upper

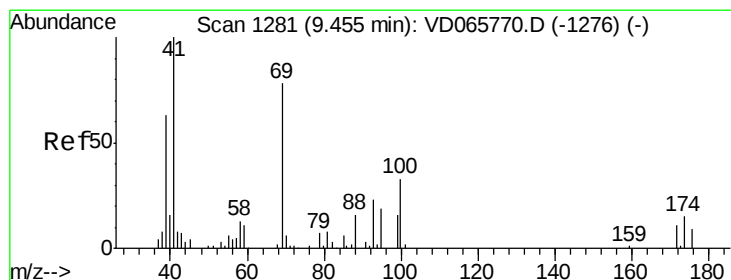
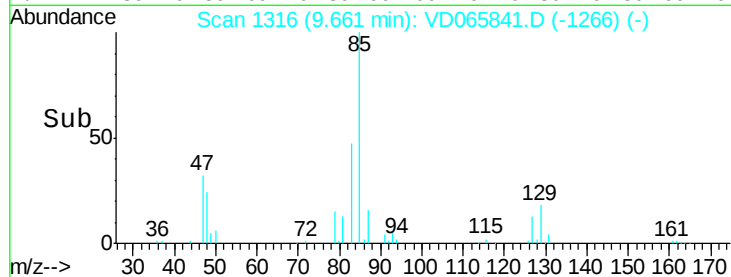
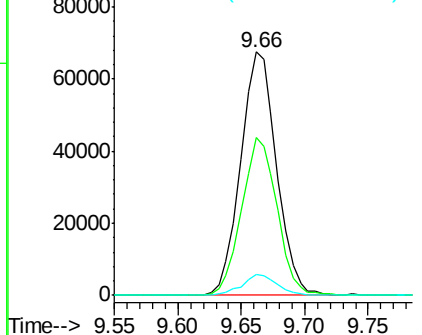
83 100

85 64.6 50.7 76.1

127 8.5 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: 52.848 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

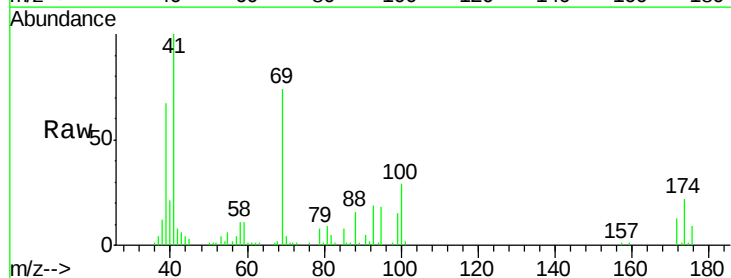
Tgt Ion: 41 Resp: 48888

Ion Ratio Lower Upper

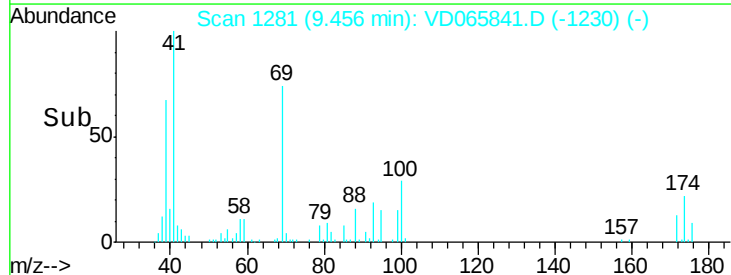
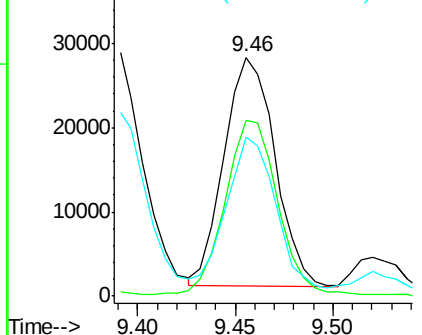
41 100

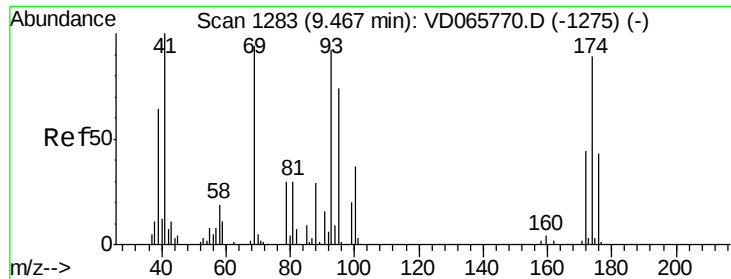
69 81.2 60.9 91.3

39 63.0 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: 1057.016 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

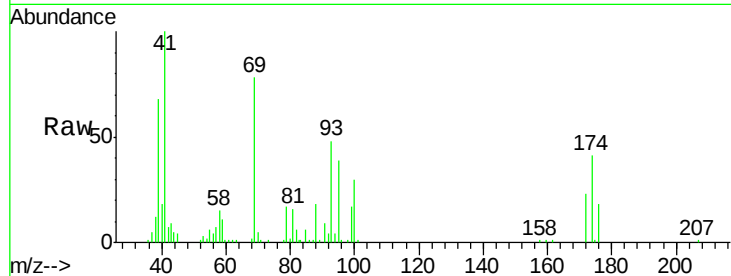
Tot Ion: 88 Resp: 10227

Ion Ratio Lower Upper

88 100

43 42.9 32.2 48.4

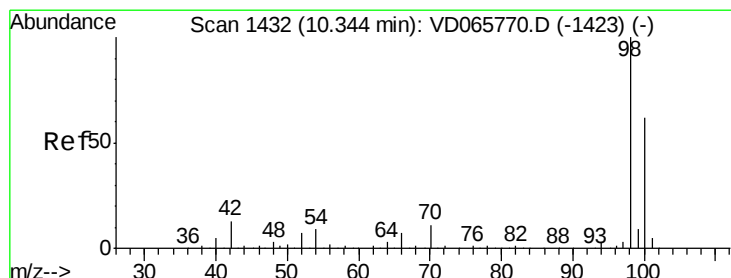
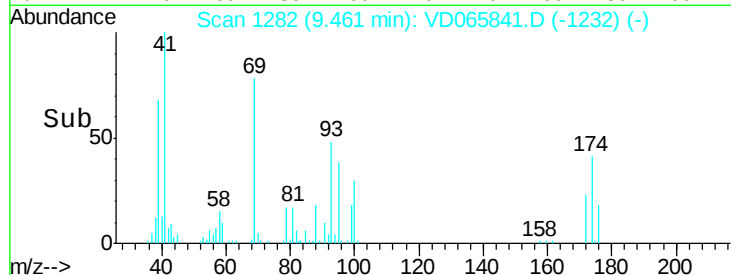
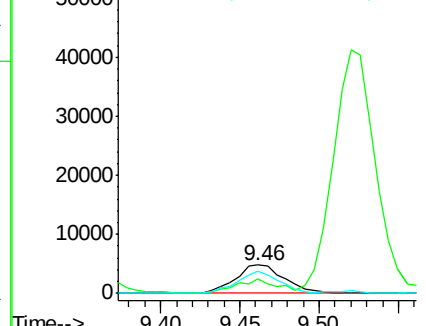
58 68.8 54.9 82.3



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: 56.400 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD065841.D

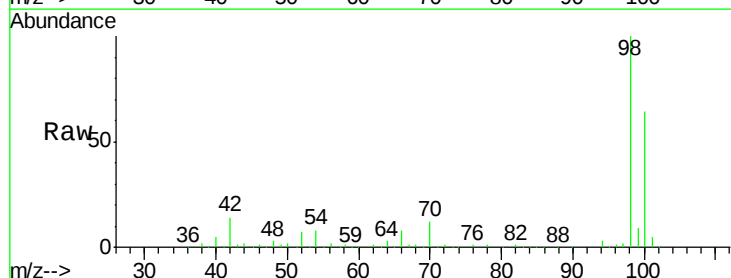
Acq: 19 Jun 2020 20:56

Tgt Ion: 98 Resp: 338370

Ion Ratio Lower Upper

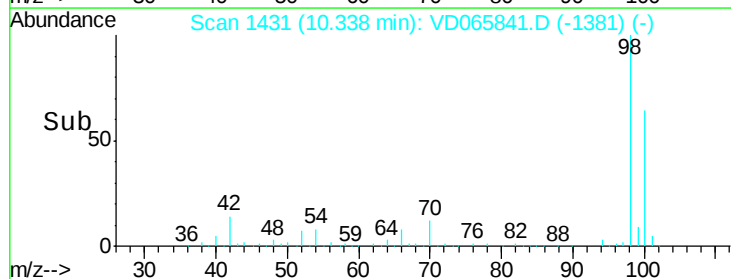
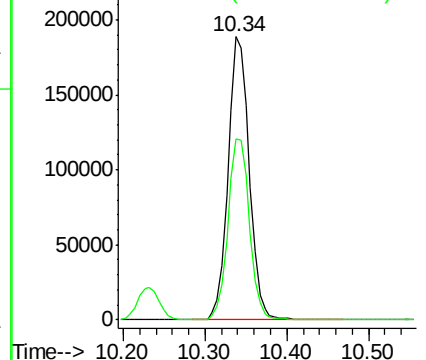
98 100

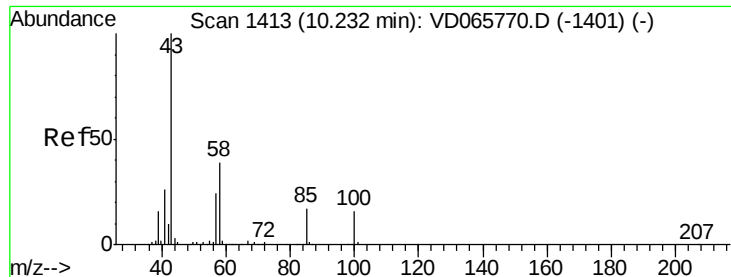
100 64.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

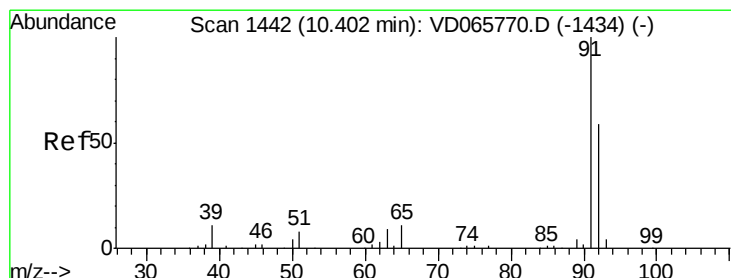
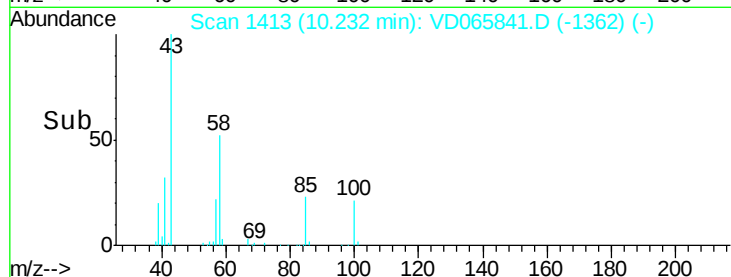
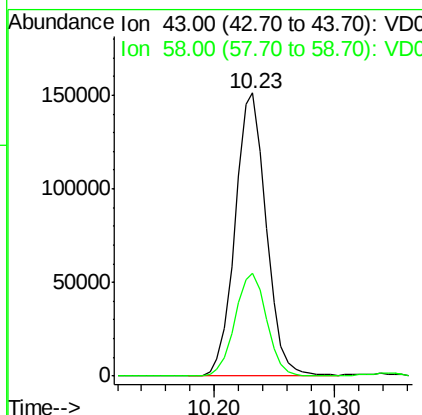
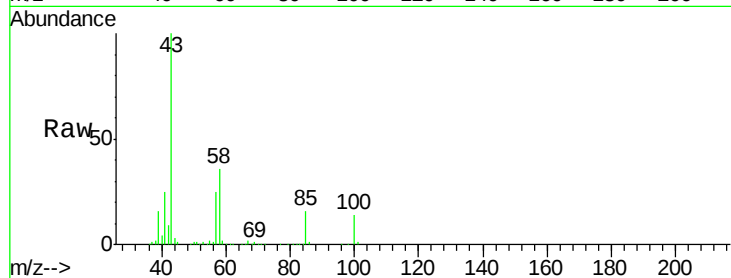




#51
4-Methyl-2-Pentanone
Concen: 290.652 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

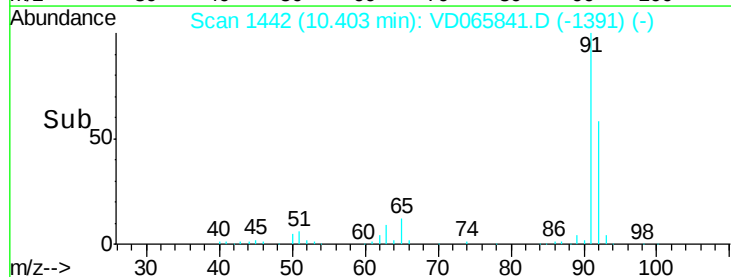
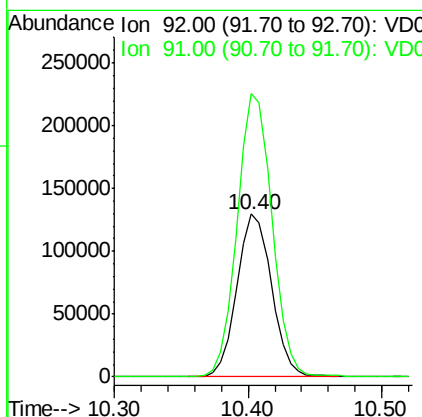
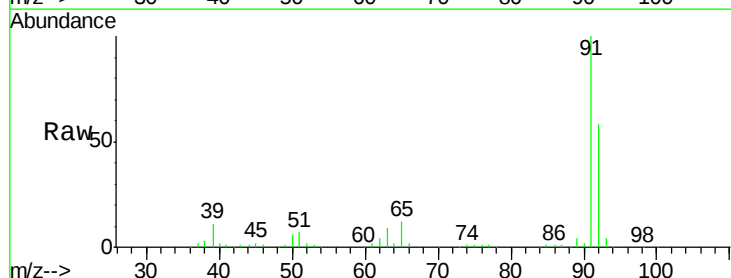
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

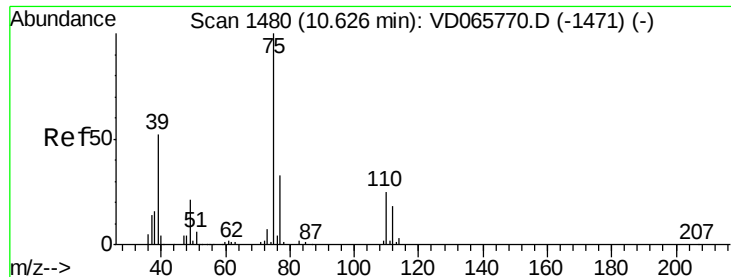
Tot Ion: 43 Resp: 272188
Ion Ratio Lower Upper
43 100
58 37.1 30.7 46.1



#52
Toluene
Concen: 53.966 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion: 92 Resp: 233903
Ion Ratio Lower Upper
92 100
91 175.1 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 54.965 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

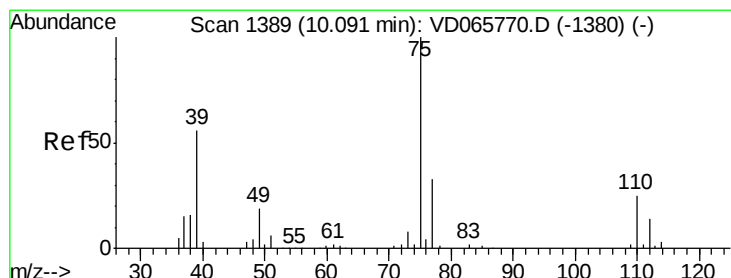
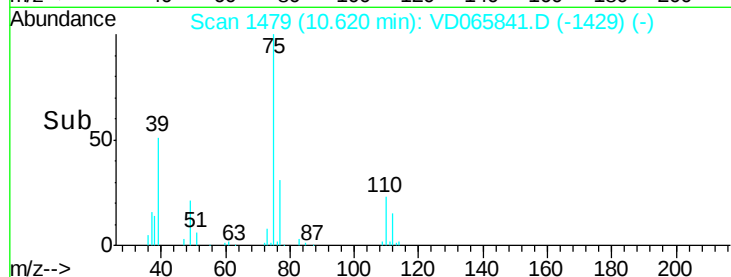
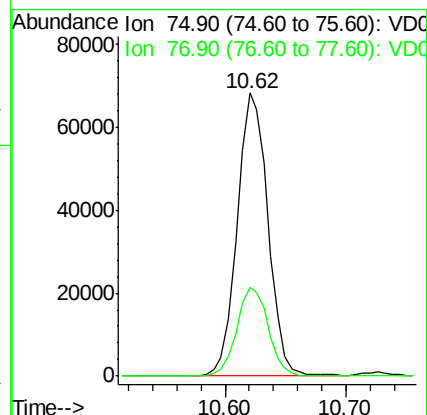
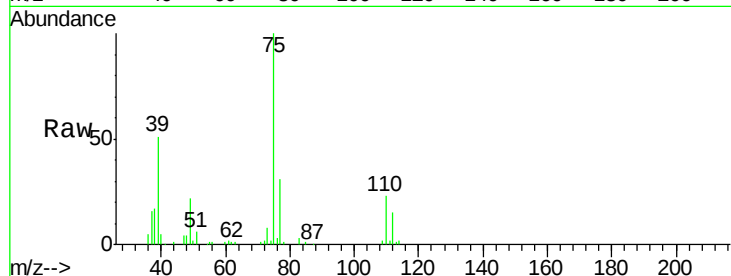
VSTDCCC050EC

Tot Ion: 75 Resp: 121240

Ion Ratio Lower Upper

75 100

77 31.3 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 55.224 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

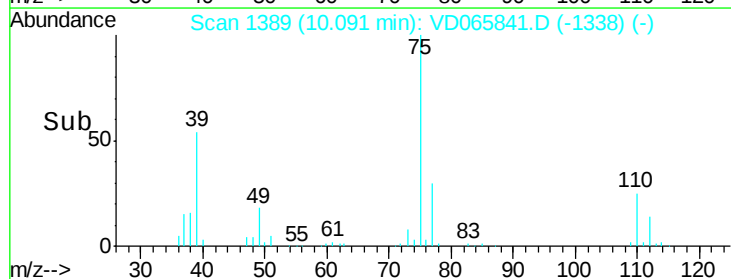
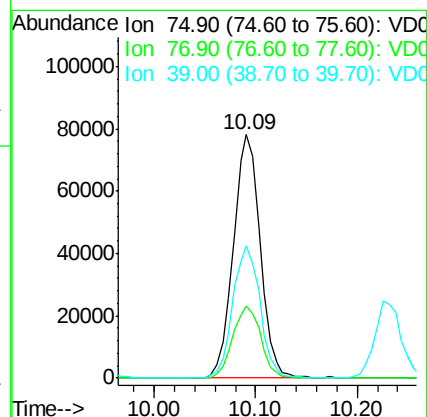
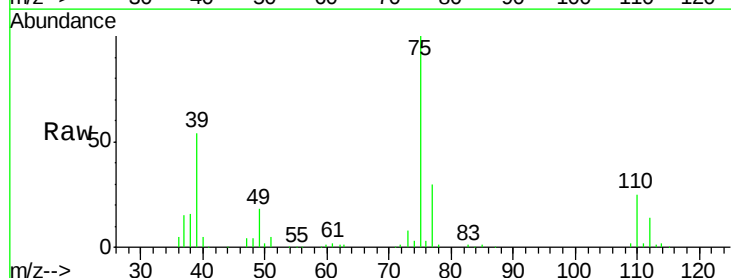
Tgt Ion: 75 Resp: 143863

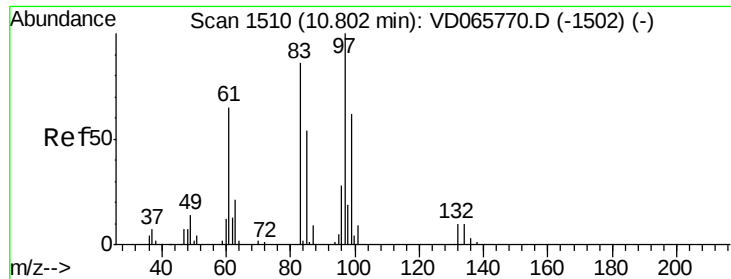
Ion Ratio Lower Upper

75 100

77 29.8 26.0 39.0

39 54.4 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 55.846 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

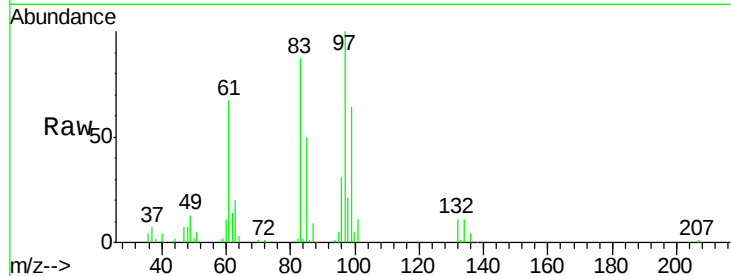
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 67830

Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.7	103.1
85	50.2	43.0	64.6
99	64.7	49.8	74.6

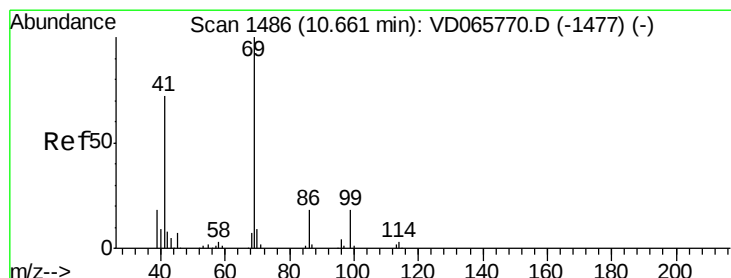
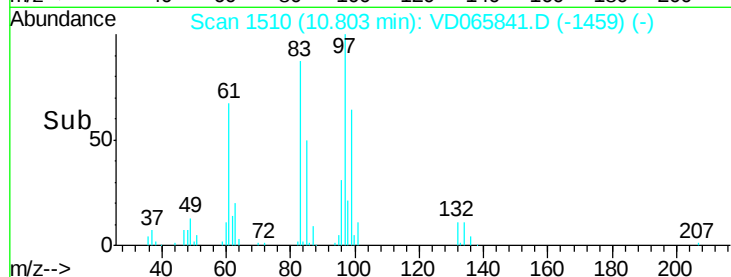


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 57.933 ug/l

RT: 10.66 min Scan# 1486

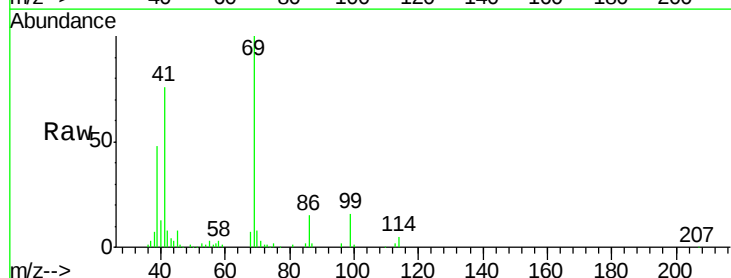
Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Tgt Ion: 69 Resp: 82763

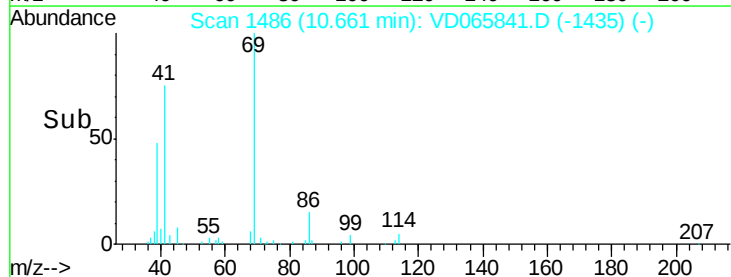
Ion	Ratio	Lower	Upper
69	100		
41	73.3	56.9	85.3
39	43.5	36.0	54.0

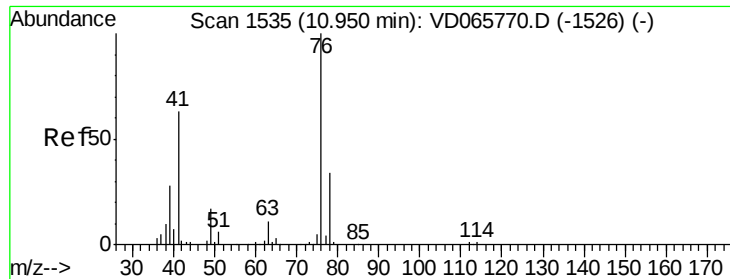


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

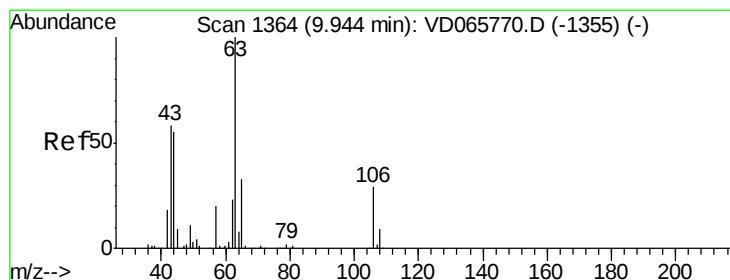
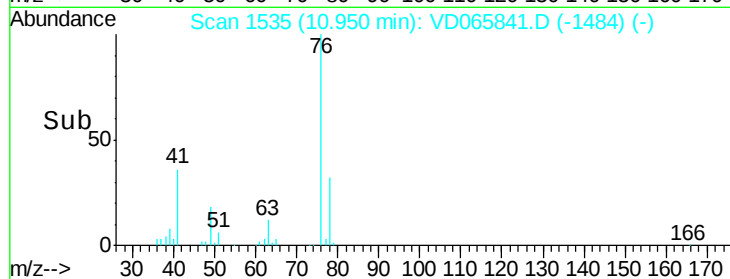
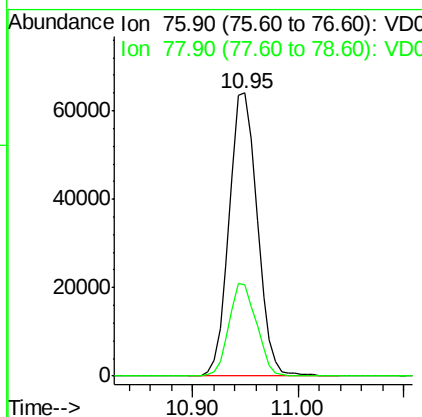
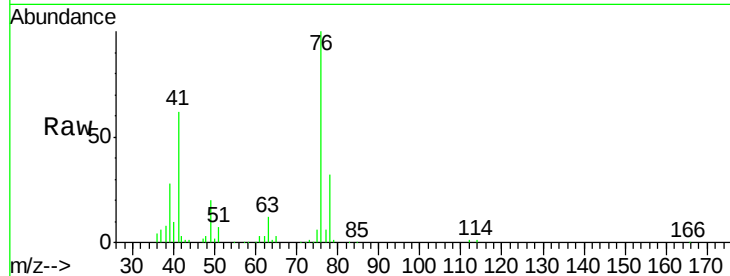




#57
 1,3-Dichloropropane
 Concen: 56.105 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

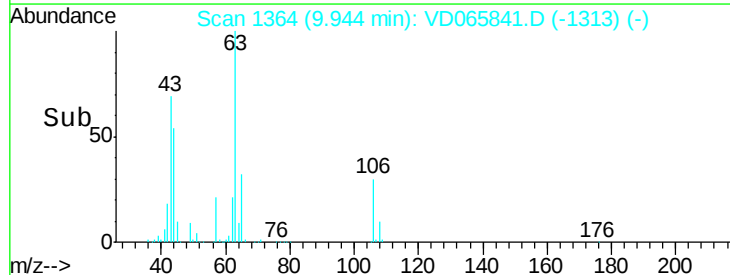
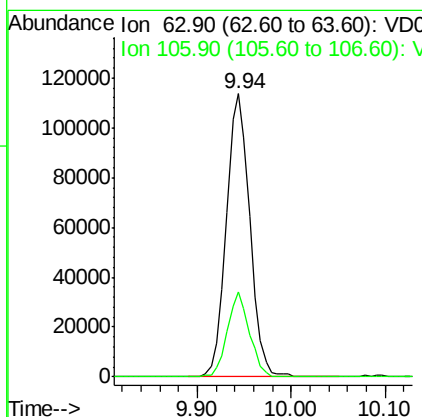
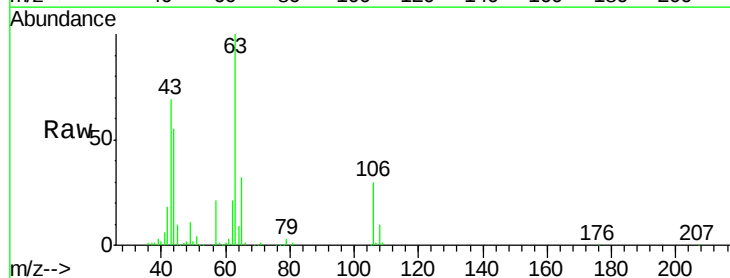
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

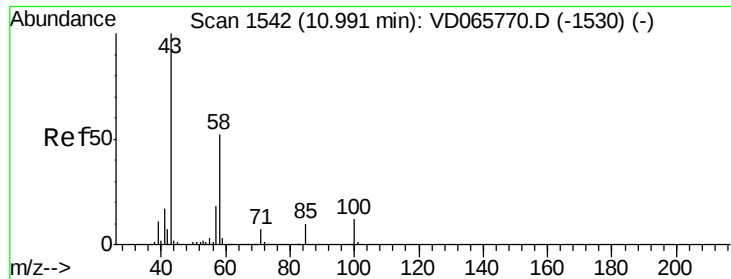
Tot Ion: 76 Resp: 118060
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 297.211 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Tgt Ion: 63 Resp: 197402
 Ion Ratio Lower Upper
 63 100
 106 28.0 23.2 34.8

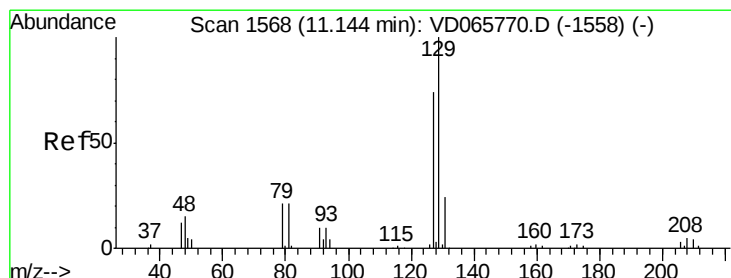
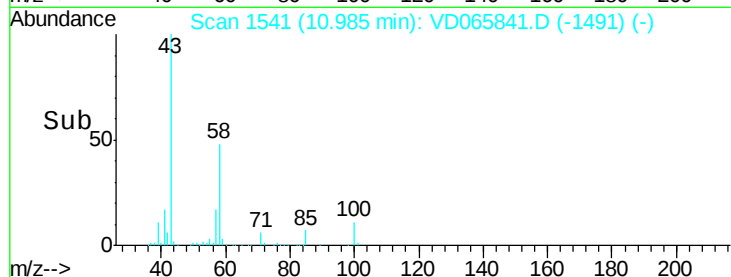
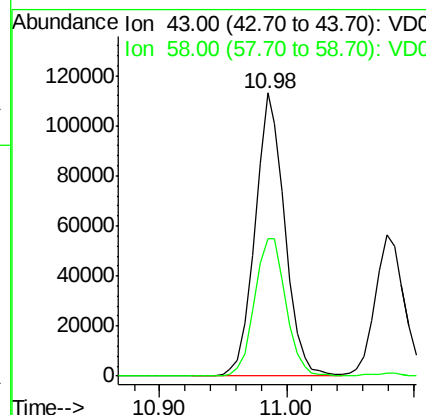
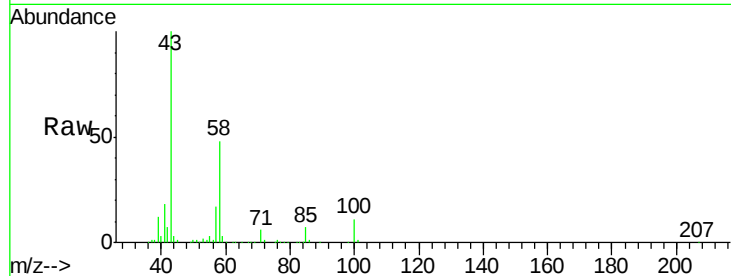




#59
2-Hexanone
Concen: 292.254 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

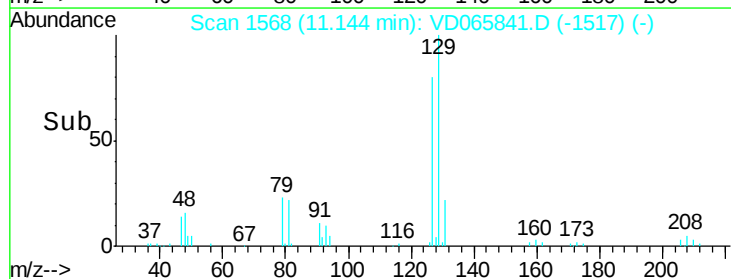
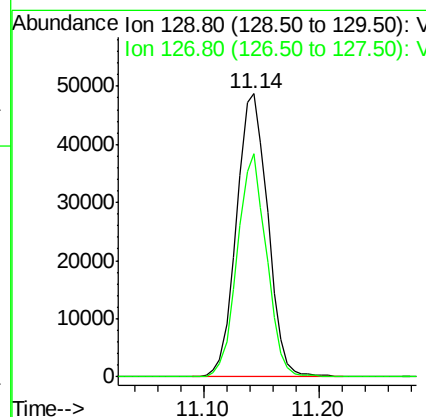
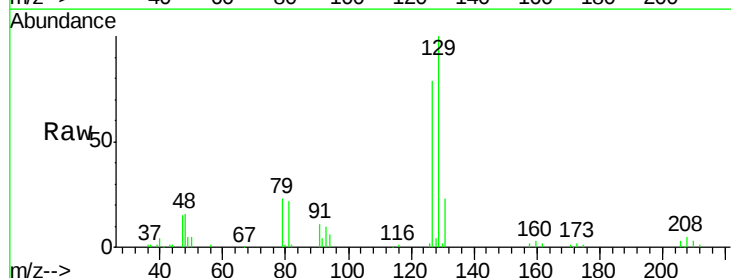
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

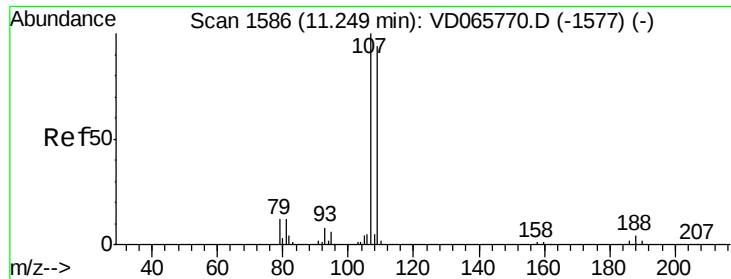
Tot Ion: 43 Resp: 184518
Ion Ratio Lower Upper
43 100
58 51.6 25.7 77.0



#60
Dibromochloromethane
Concen: 55.751 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion: 129 Resp: 91475
Ion Ratio Lower Upper
129 100
127 73.4 38.0 113.9

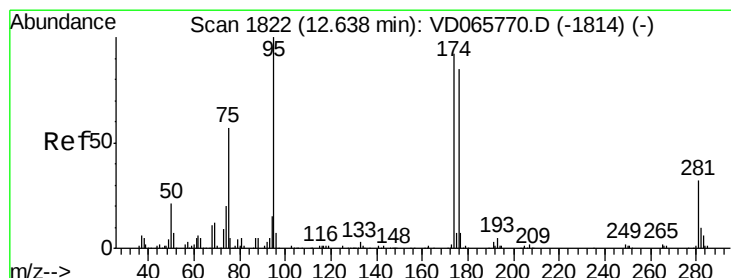
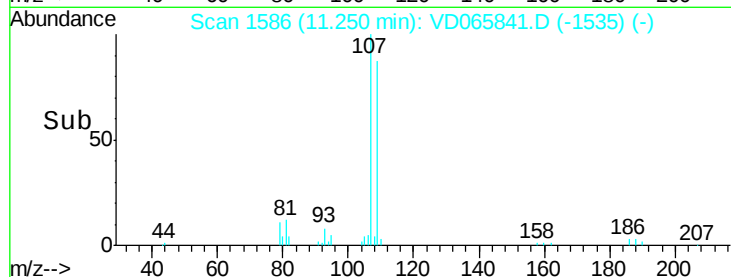
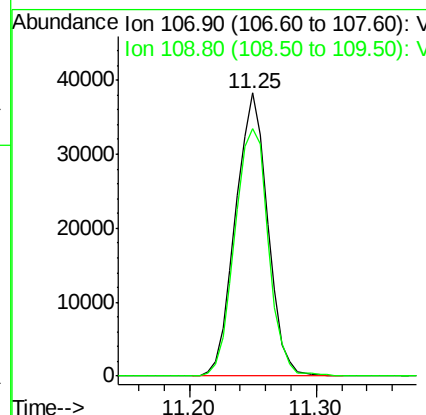
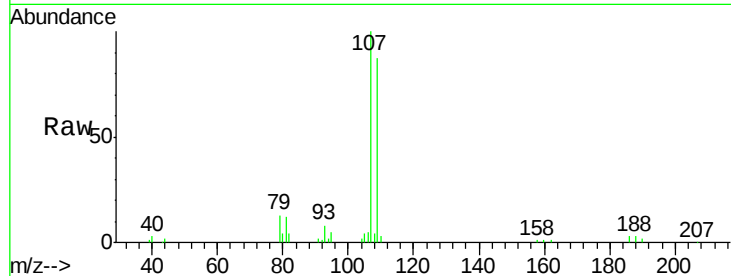




#61
 1,2-Dibromoethane
 Concen: 56.500 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

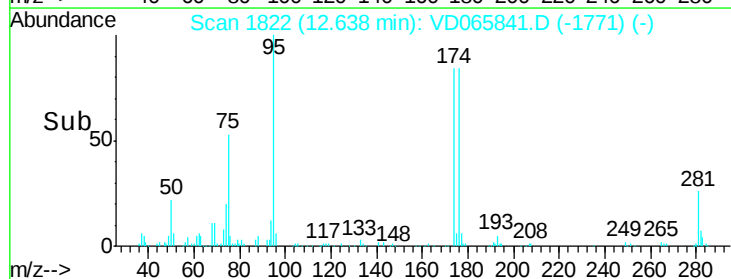
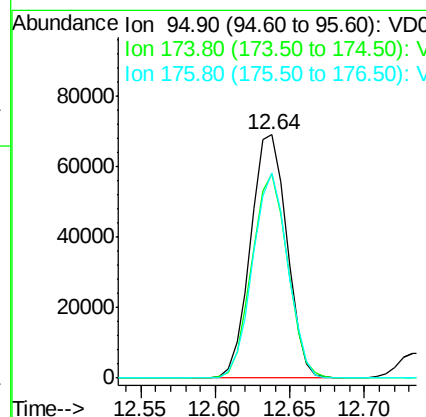
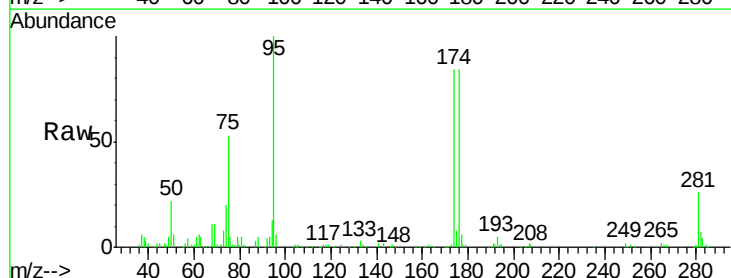
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

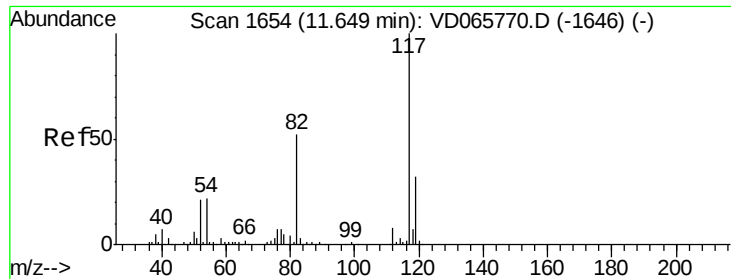
Tot Ion: 107 Resp: 67441
 Ion Ratio Lower Upper
 107 100
 109 90.8 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 57.170 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Tgt Ion: 95 Resp: 116320
 Ion Ratio Lower Upper
 95 100
 174 82.4 0.0 175.2
 176 81.2 0.0 163.0

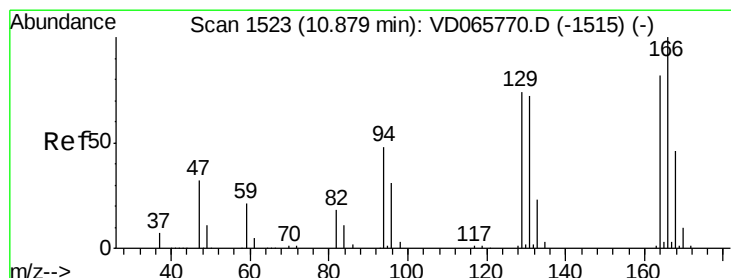
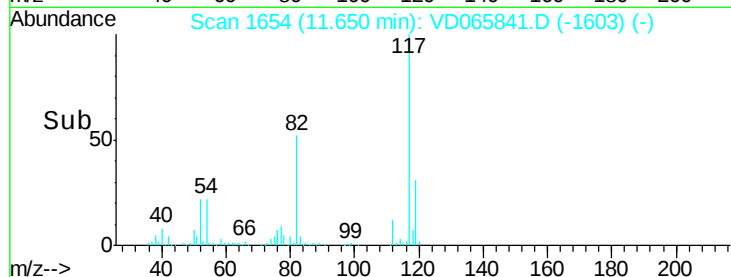
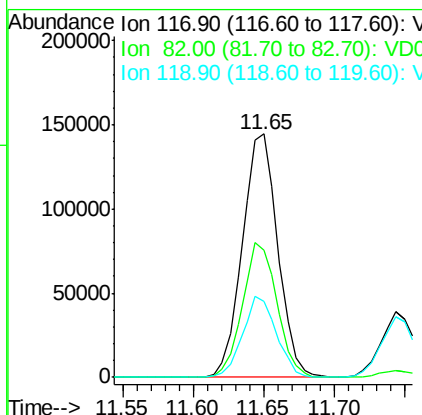
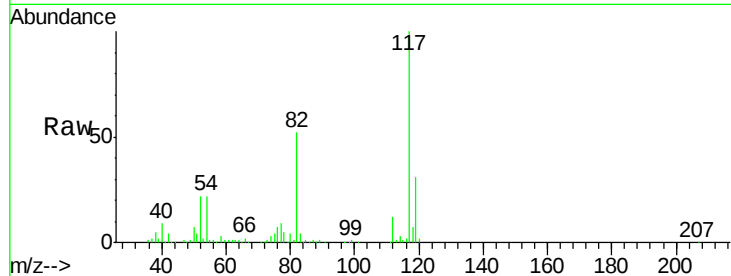




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

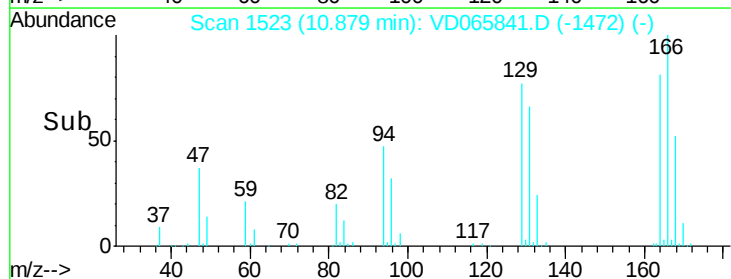
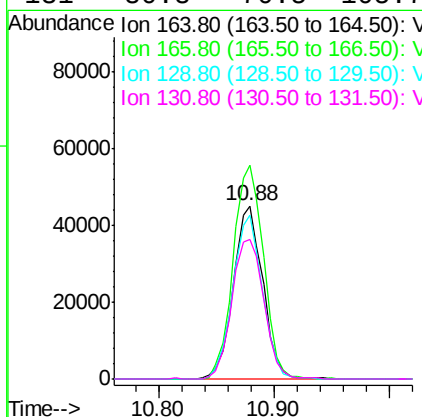
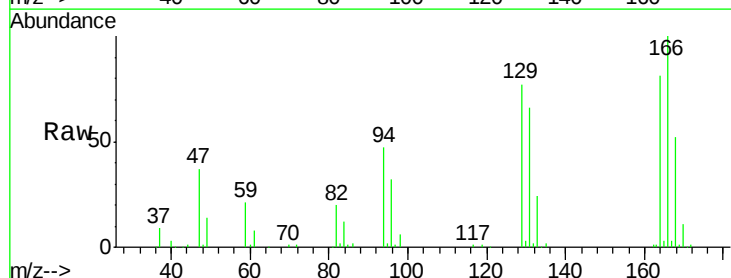
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

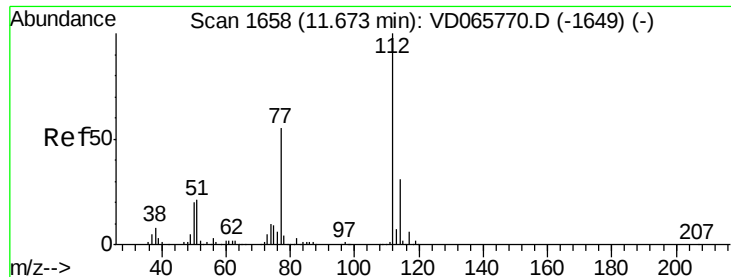
Tot Ion:117 Resp: 254192
Ion Ratio Lower Upper
117 100
82 52.2 41.9 62.9
119 31.2 25.3 37.9



#64
Tetrachloroethene
Concen: 46.101 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion:164 Resp: 79241
Ion Ratio Lower Upper
164 100
166 123.3 98.2 147.2
129 94.4 72.3 108.5
131 80.8 70.5 105.7

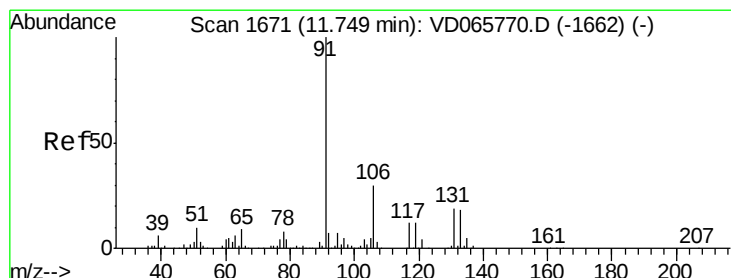
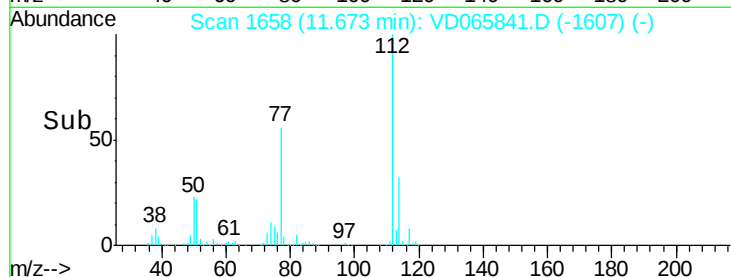
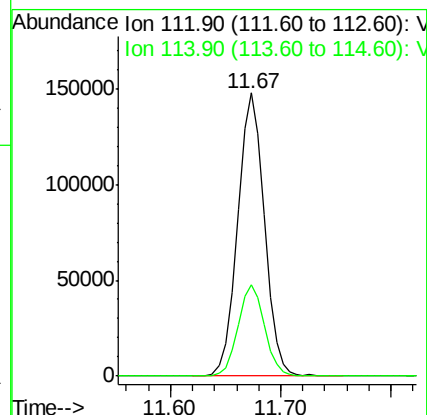
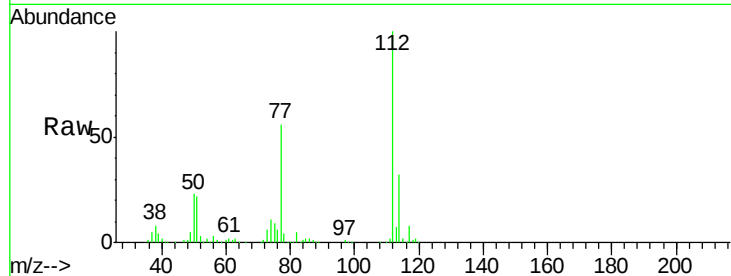




#65
Chlorobenzene
Concen: 50.596 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

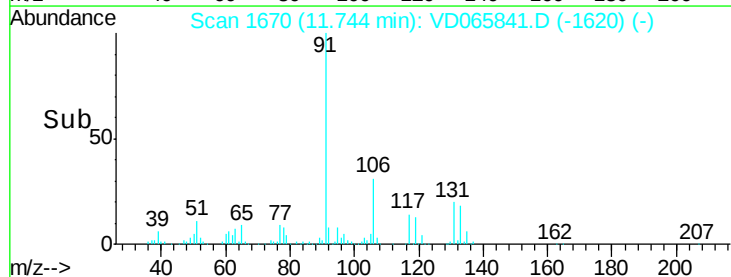
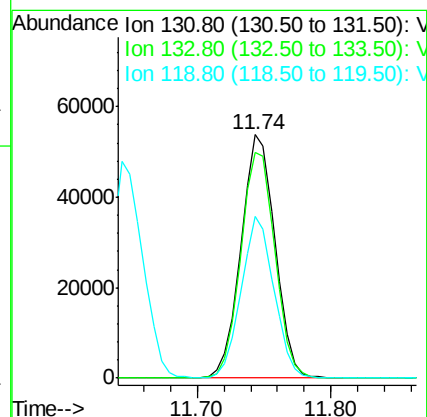
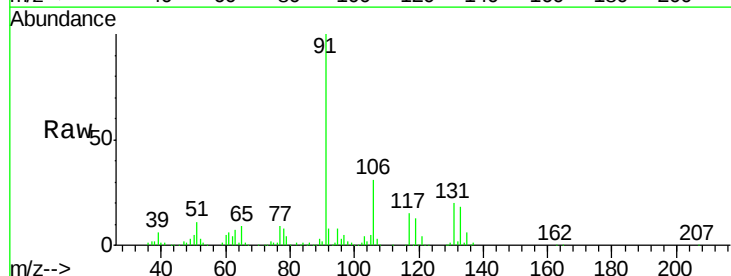
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

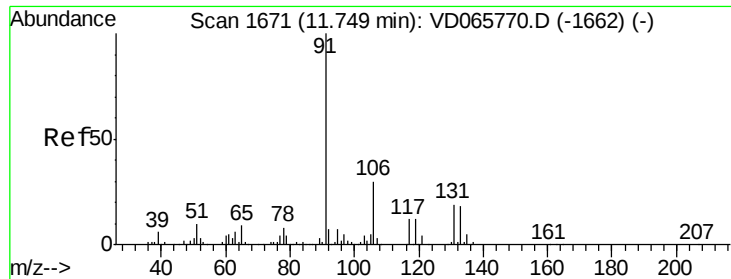
Tot Ion:112 Resp: 251078
Ion Ratio Lower Upper
112 100
114 32.2 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 51.284 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion:131 Resp: 94863
Ion Ratio Lower Upper
131 100
133 93.2 47.3 141.9
119 64.1 31.6 94.8





#67

Ethyl Benzene

Concen: 51.270 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

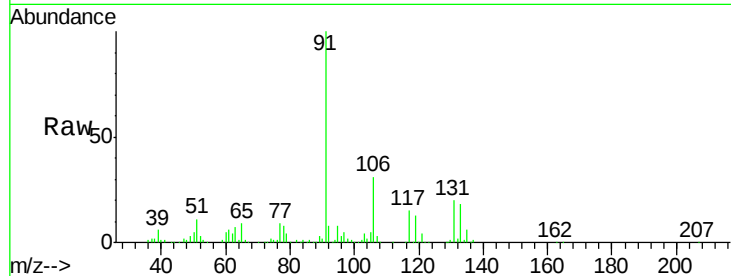
VSTDCCC050EC

Tot Ion: 91 Resp: 454509

Ion Ratio Lower Upper

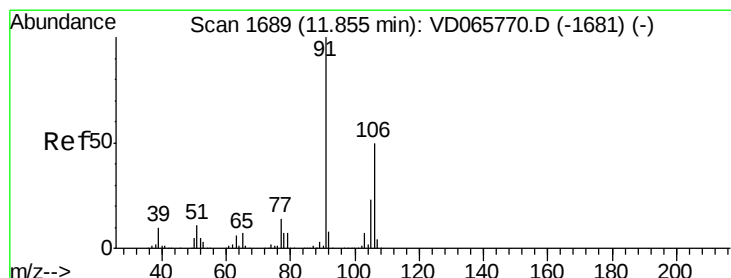
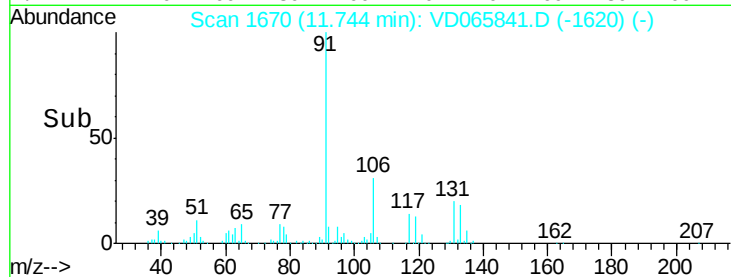
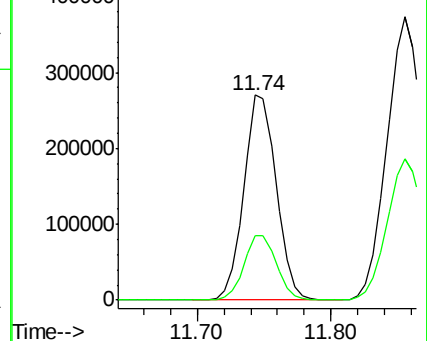
91 100

106 31.3 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: 103.271 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065841.D

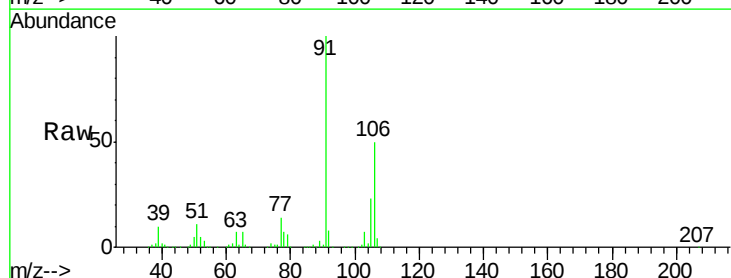
Acq: 19 Jun 2020 20:56

Tgt Ion: 106 Resp: 352635

Ion Ratio Lower Upper

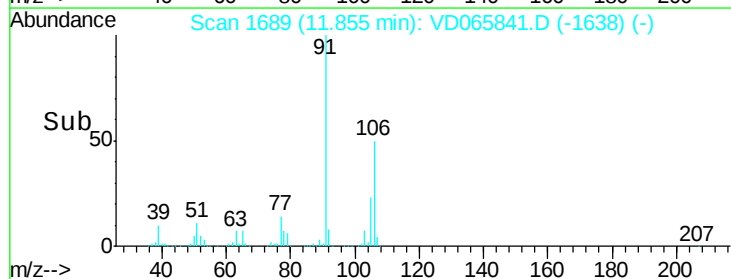
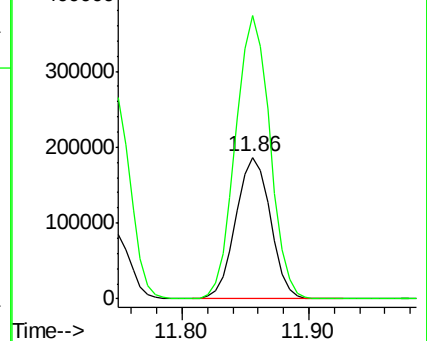
106 100

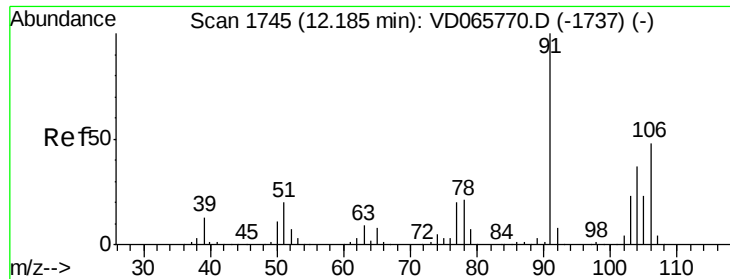
91 198.9 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

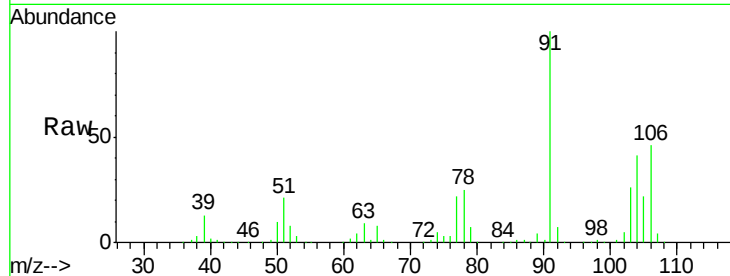




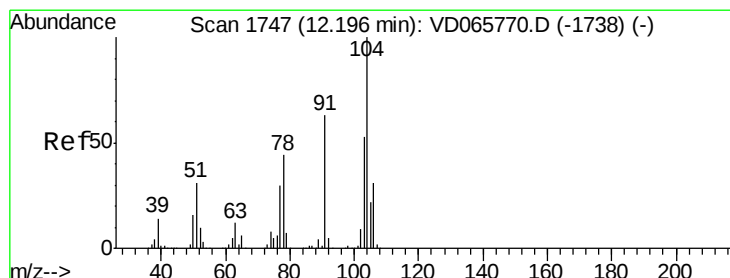
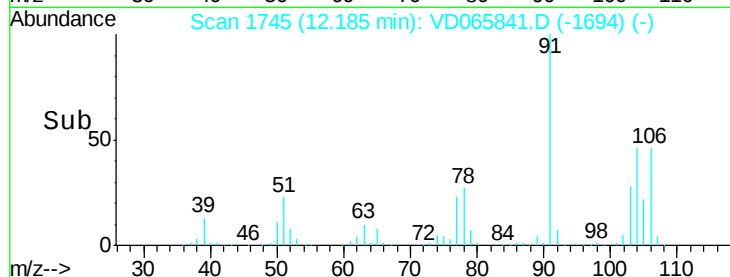
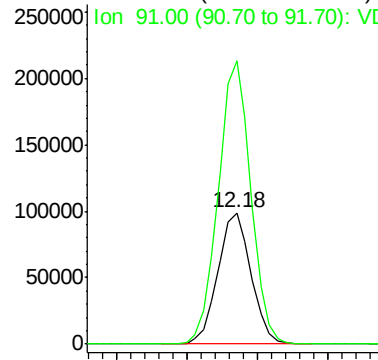
#69
o-Xylene
Concen: 52.901 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 162871
Ion Ratio Lower Upper
106 100
91 211.4 105.3 315.8

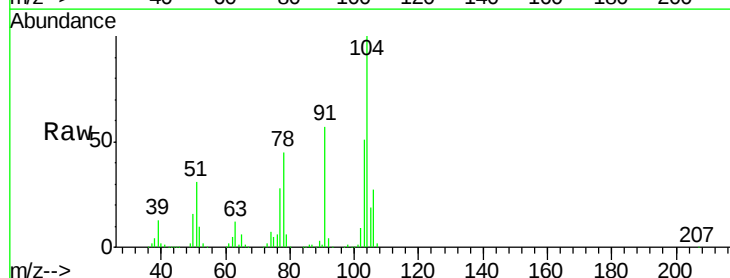


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

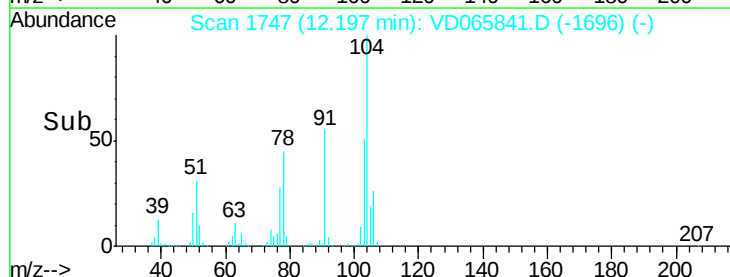
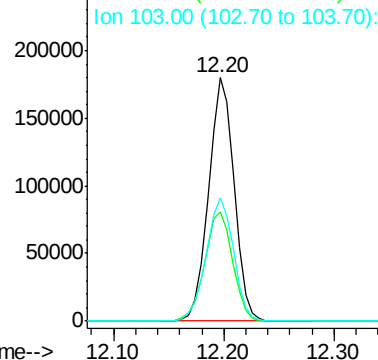


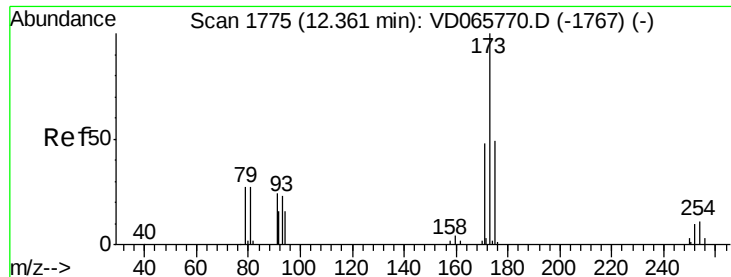
#70
Styrene
Concen: 54.760 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion:104 Resp: 291857
Ion Ratio Lower Upper
104 100
78 49.1 38.6 58.0
103 54.5 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V

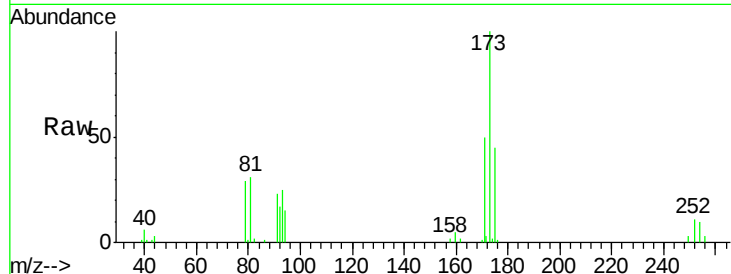




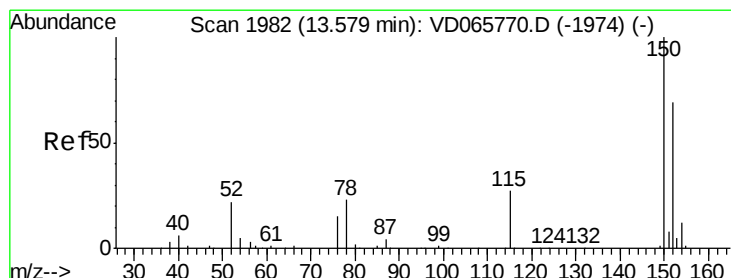
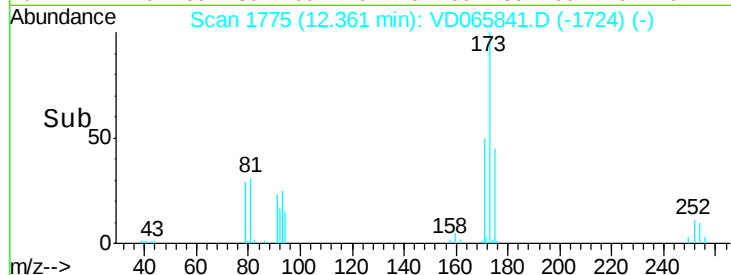
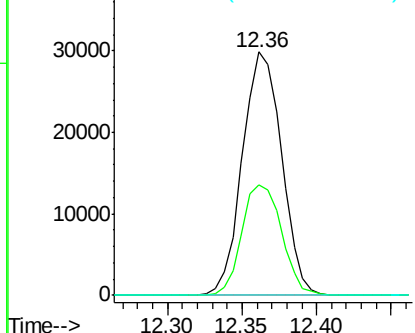
#71
Bromoform
Concen: 53.482 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 54477
Ion Ratio Lower Upper
173 100
175 46.0 24.8 74.4
254 0.0 0.0 0.0

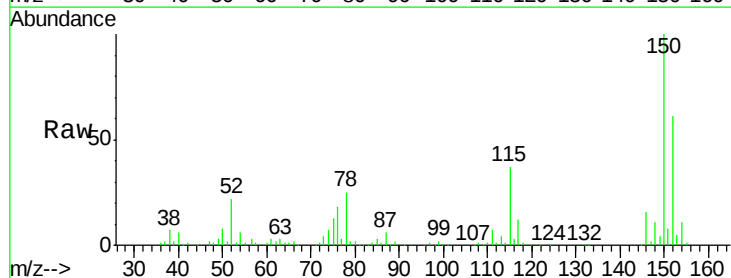


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

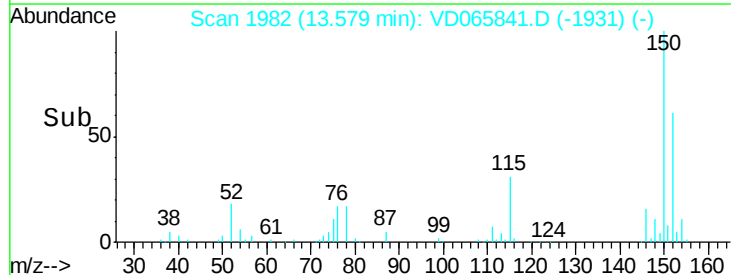
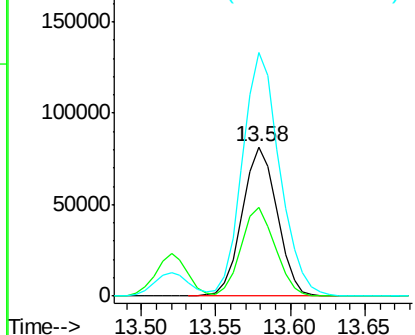


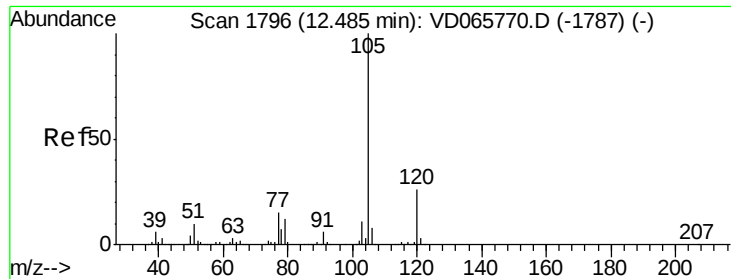
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion:152 Resp: 132174
Ion Ratio Lower Upper
152 100
115 57.8 28.7 86.1
150 174.4 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: 50.450 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

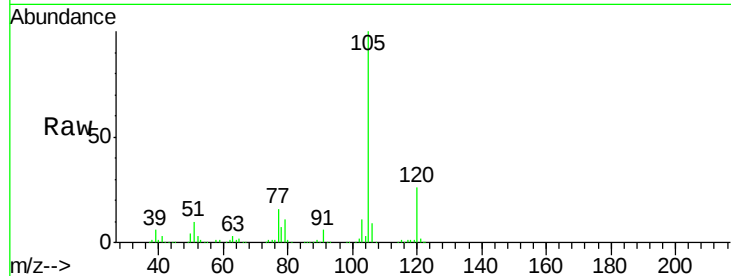
VSTDCCC050EC

Tot Ion:105 Resp: 447079

Ion Ratio Lower Upper

105 100

120 26.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

150000

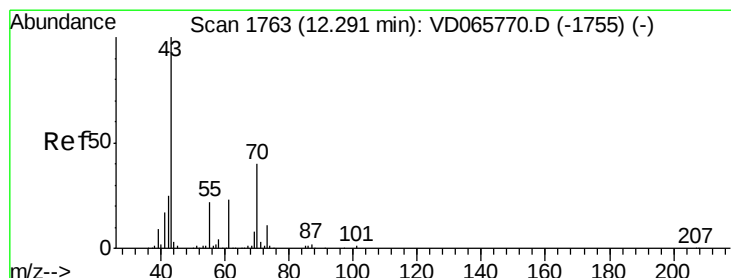
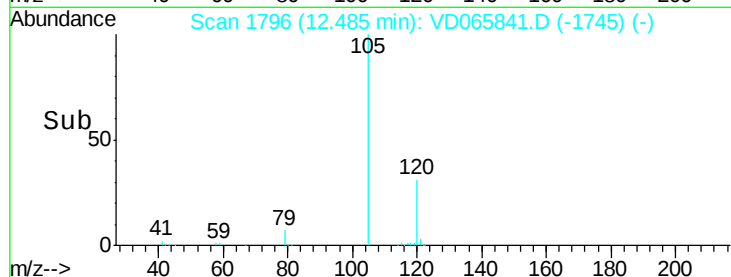
100000

50000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 50.425 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Tgt Ion: 43 Resp: 99415

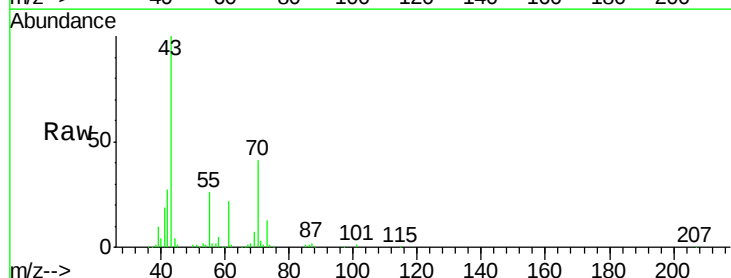
Ion Ratio Lower Upper

43 100

70 42.2 32.3 48.5

55 26.3 19.0 28.4

61 23.3 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

100000

80000

60000

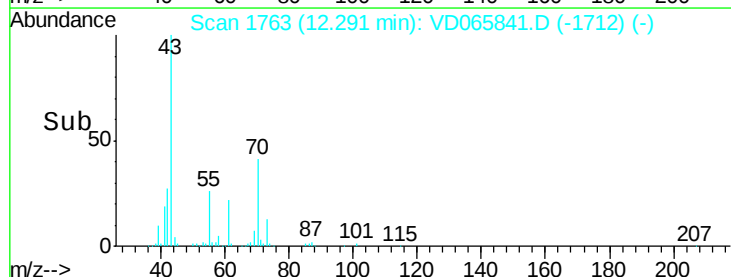
40000

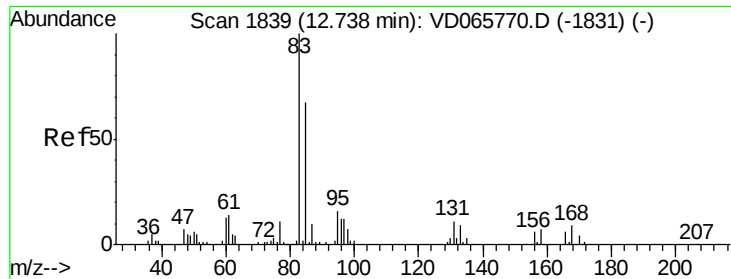
20000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 51.580 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

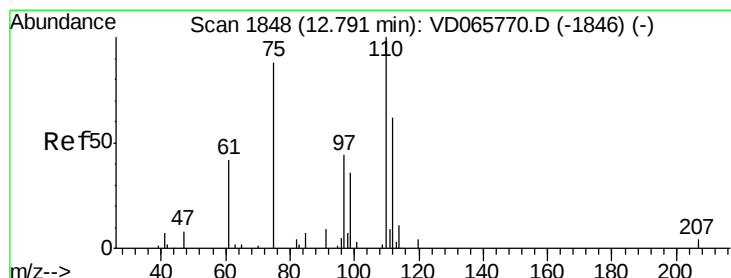
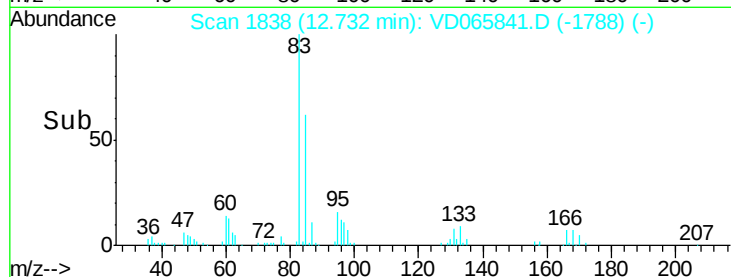
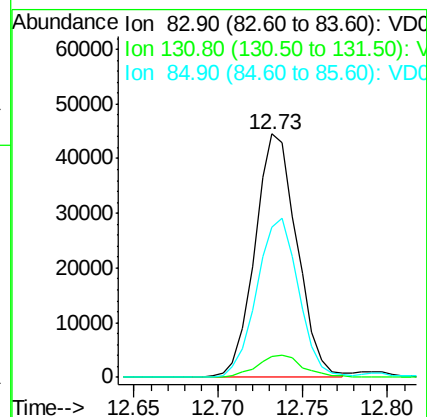
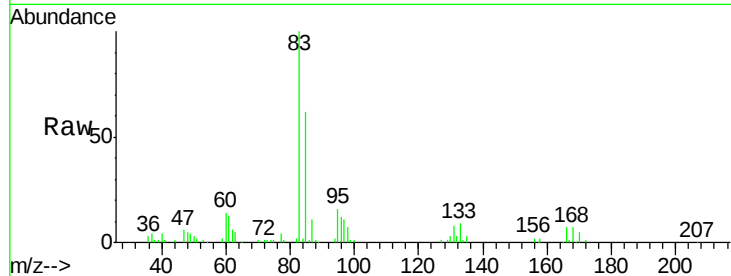
Tot Ion: 83 Resp: 77195

Ion Ratio Lower Upper

83 100

131 9.9 5.5 16.4

85 65.0 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 52.650 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065841.D

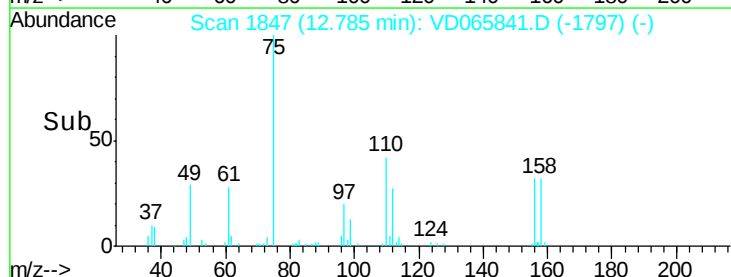
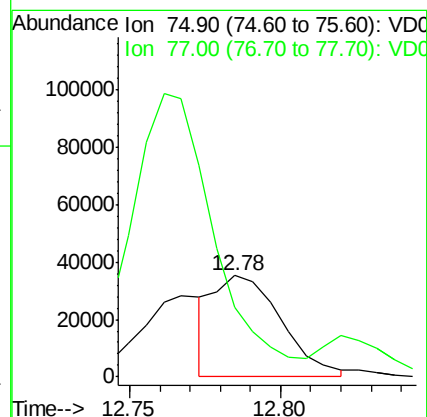
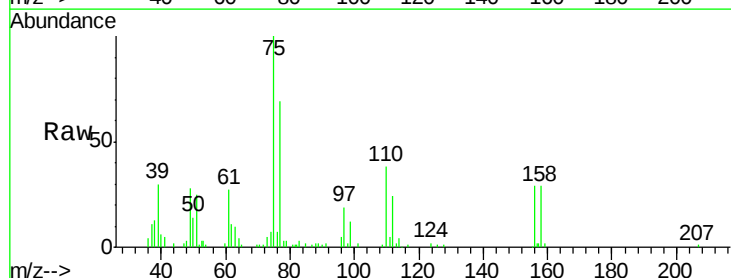
Acq: 19 Jun 2020 20:56

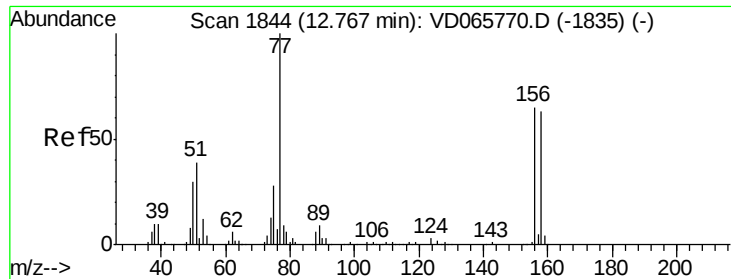
Tgt Ion: 75 Resp: 54121

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.021 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

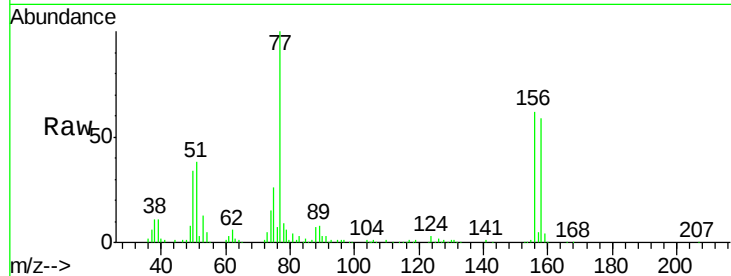
Tot Ion:156 Resp: 104880

Ion Ratio Lower Upper

156 100

77 181.9 87.3 261.8

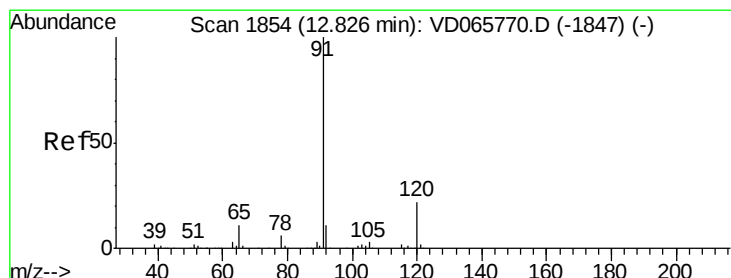
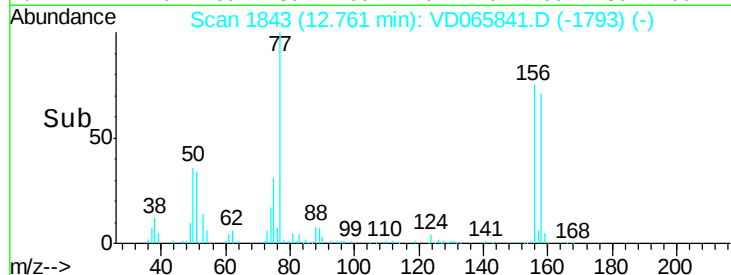
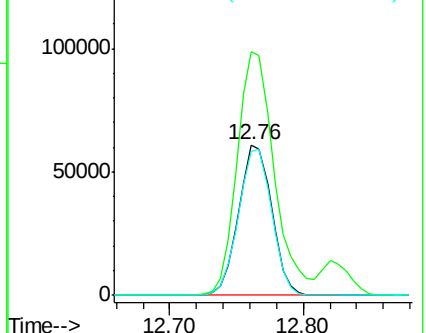
158 97.4 48.0 144.0



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: 50.444 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065841.D

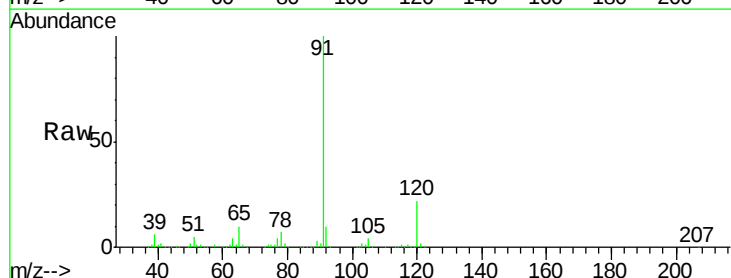
Acq: 19 Jun 2020 20:56

Tgt Ion: 91 Resp: 538089

Ion Ratio Lower Upper

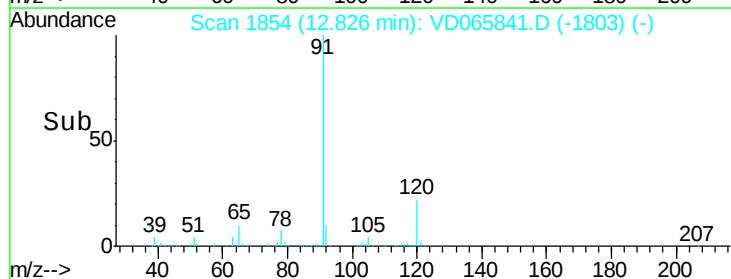
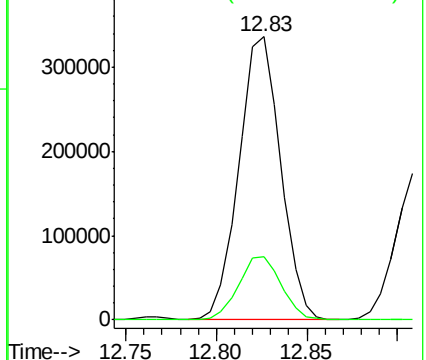
91 100

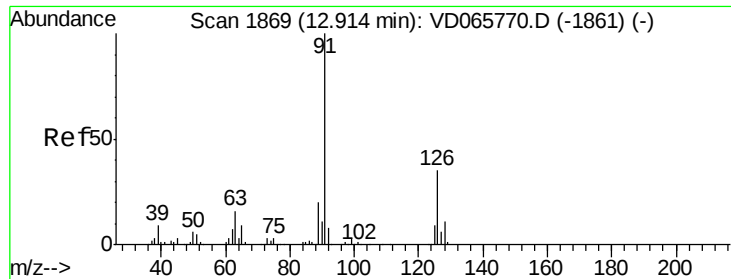
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

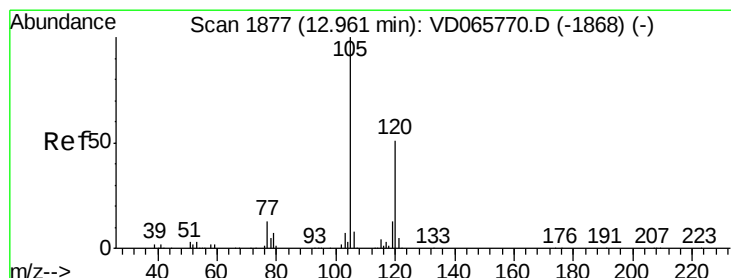
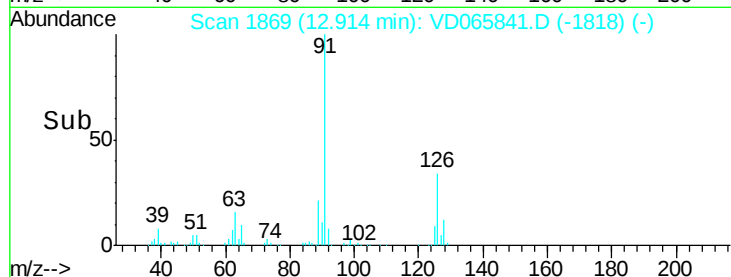
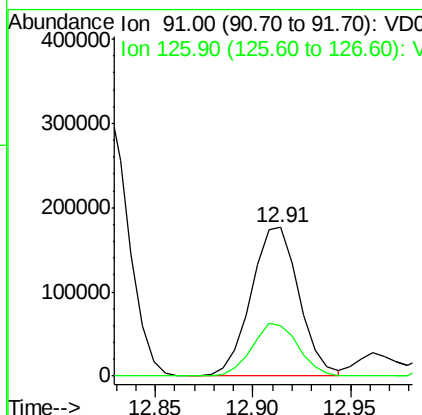
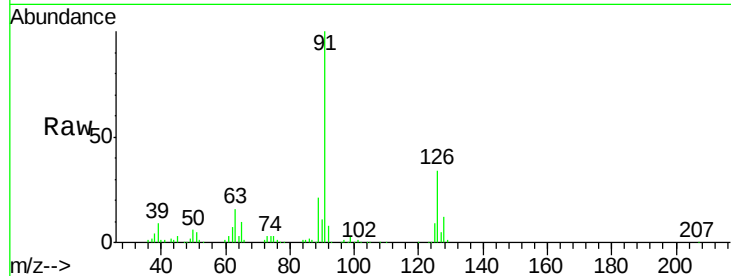




#79
 2-Chlorotoluene
 Concen: 51.275 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

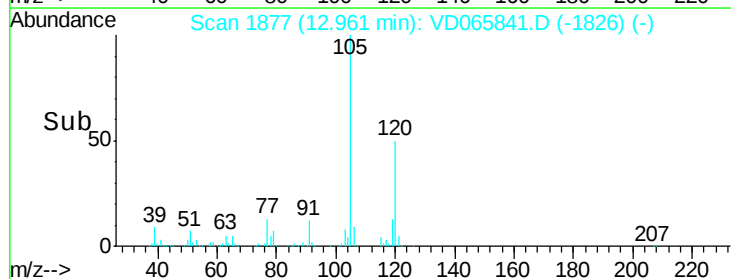
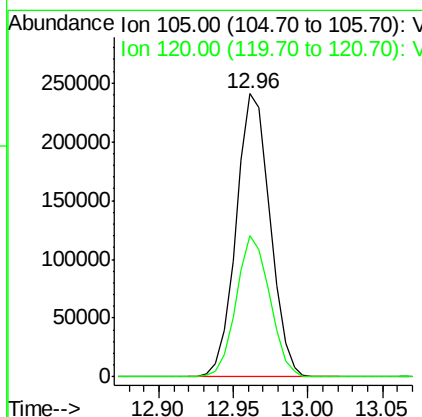
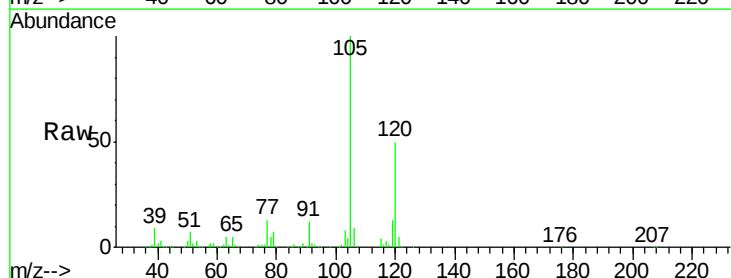
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

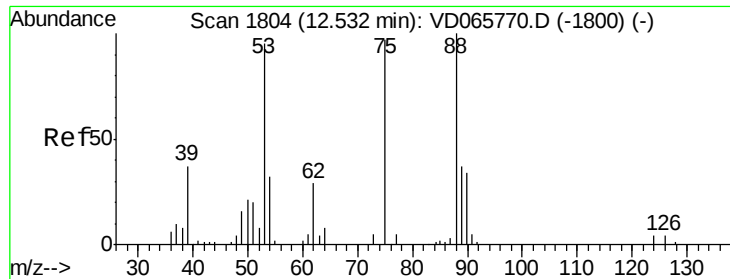
Tot Ion: 91 Resp: 300050
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 51.547 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Tgt Ion: 105 Resp: 380135
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.4 76.0

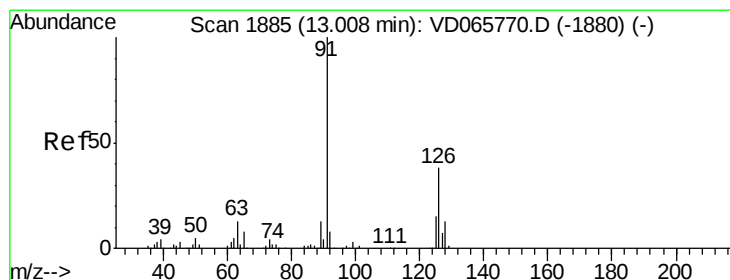
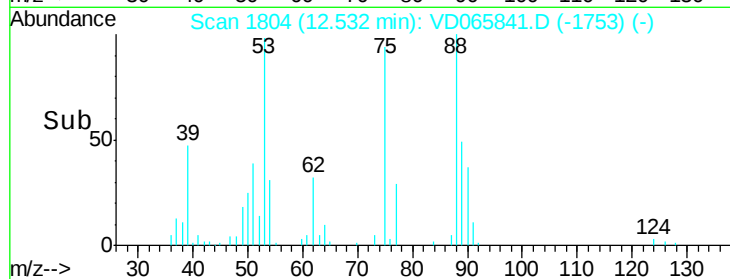
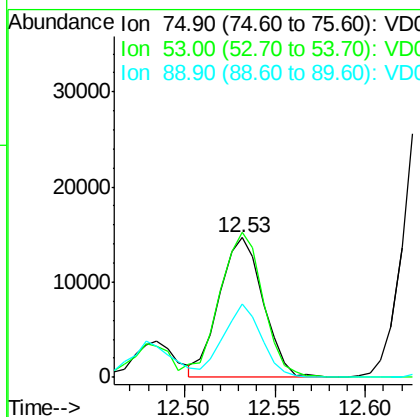
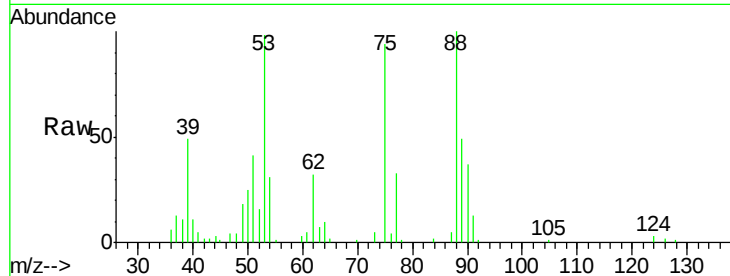




#81
trans-1,4-Dichloro-2-butene
Concen: 52.014 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

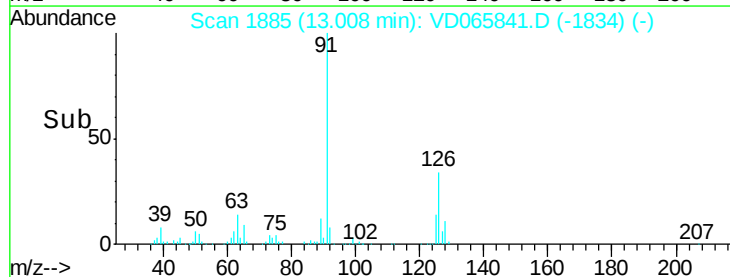
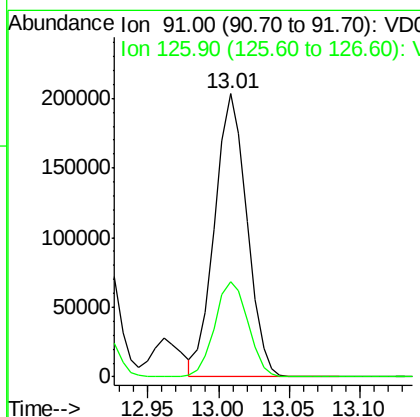
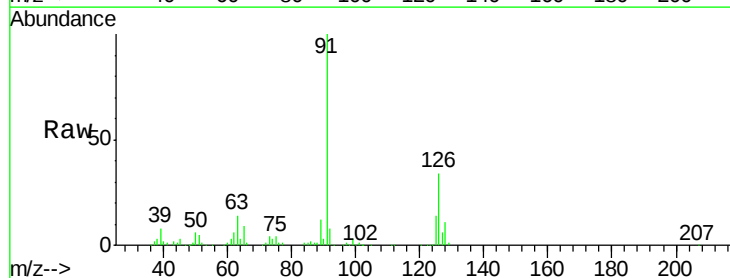
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

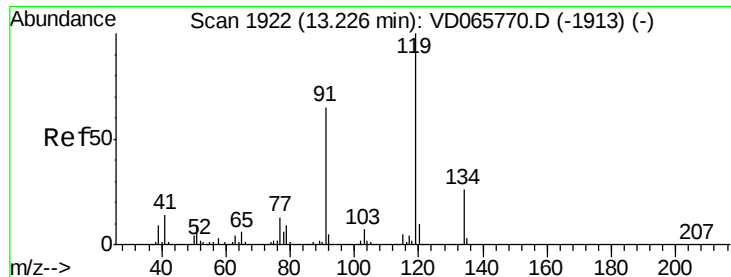
Tot Ion: 75 Resp: 24746
Ion Ratio Lower Upper
75 100
53 103.2 82.6 123.8
89 45.2 35.9 53.9



#82
4-Chlorotoluene
Concen: 51.495 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion: 91 Resp: 323445
Ion Ratio Lower Upper
91 100
126 34.6 17.6 52.8

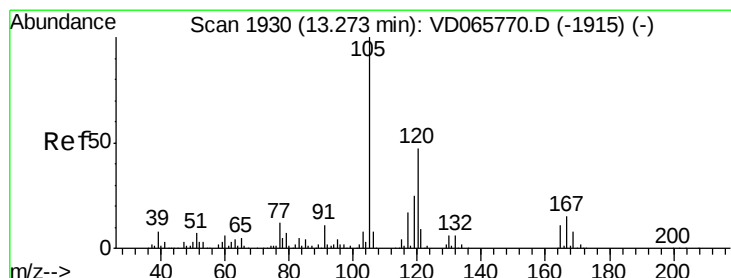
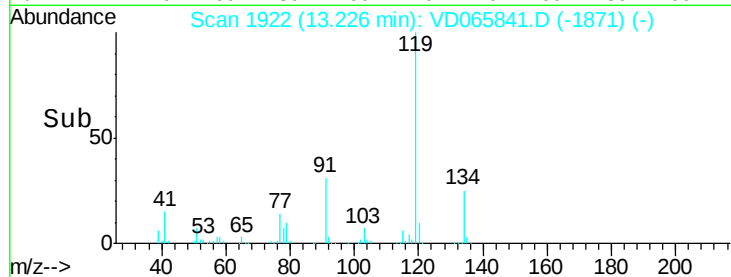
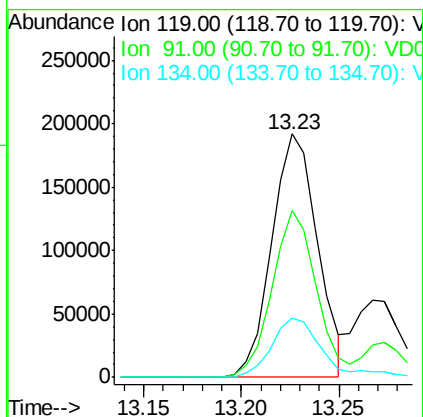
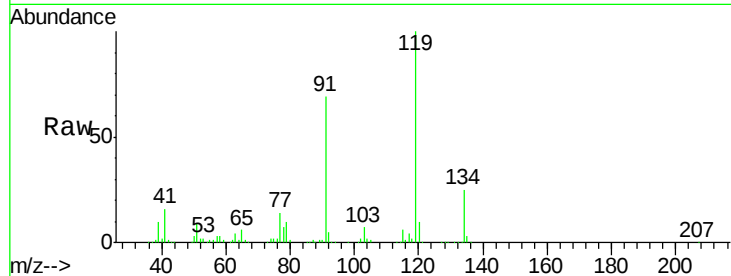




#83
tert-Butylbenzene
Concen: 48.718 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

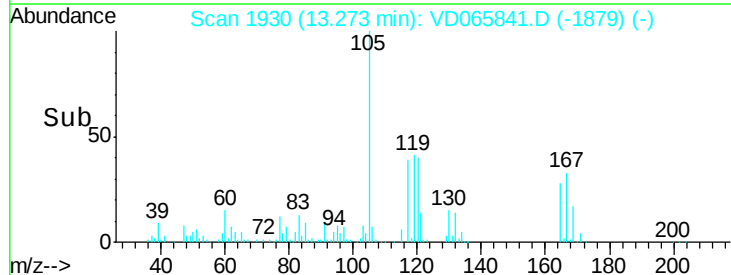
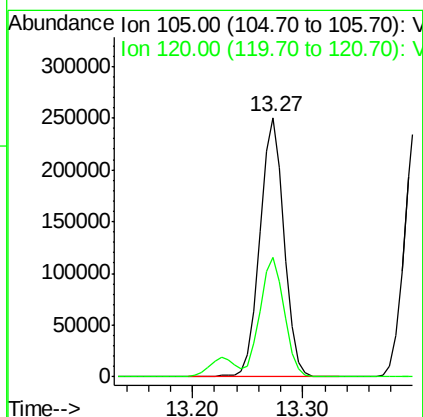
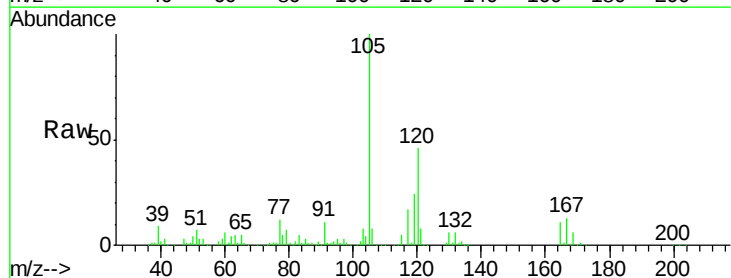
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

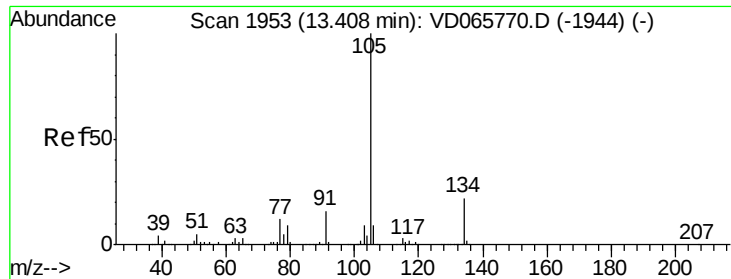
Tot Ion:119 Resp: 311734
Ion Ratio Lower Upper
119 100
91 66.3 32.0 96.0
134 27.1 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 52.022 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion:105 Resp: 383988
Ion Ratio Lower Upper
105 100
120 46.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 50.080 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

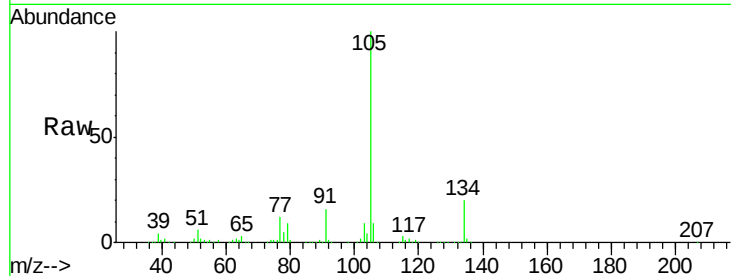
VSTDCCC050EC

Tot Ion:105 Resp: 445956

Ion Ratio Lower Upper

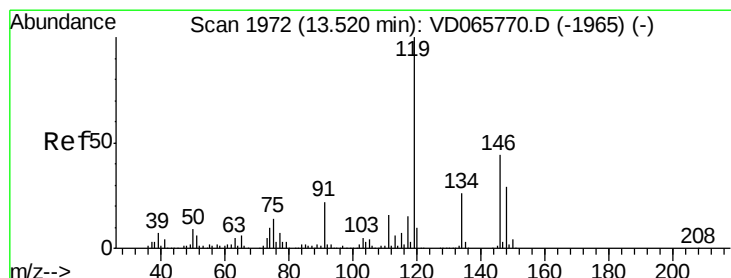
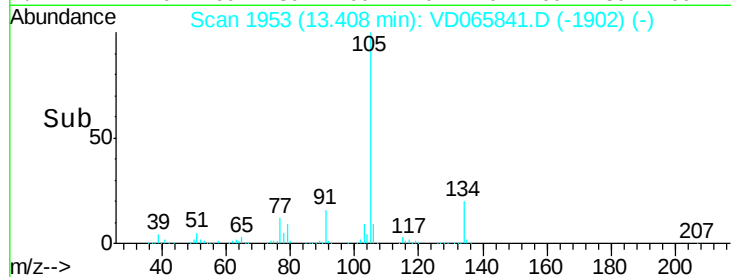
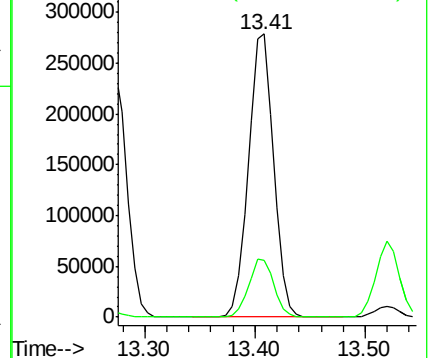
105 100

134 20.5 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: 50.406 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

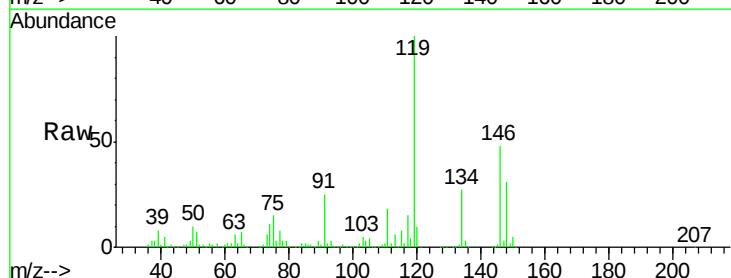
Tgt Ion:119 Resp: 411414

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.9

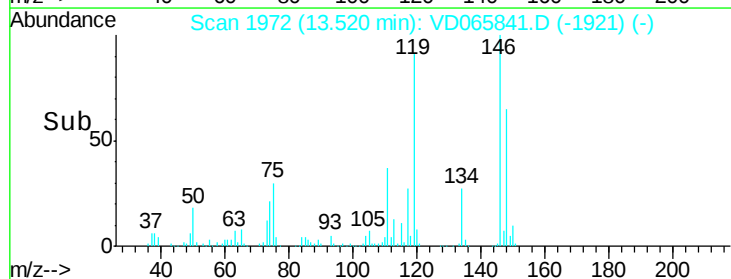
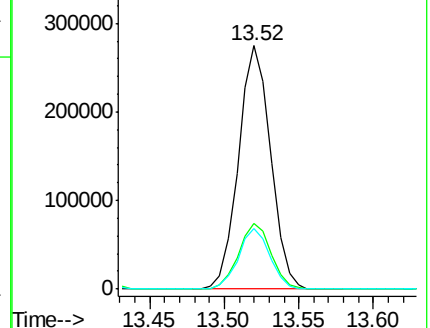
91 24.6 11.8 35.4

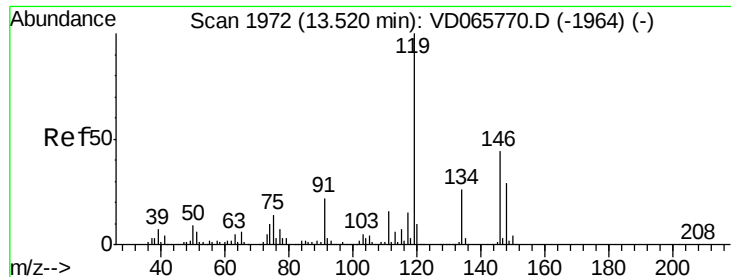


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

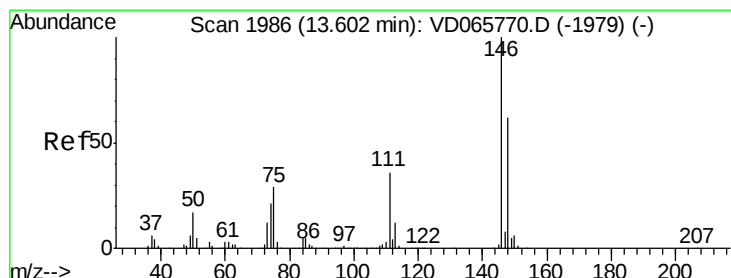
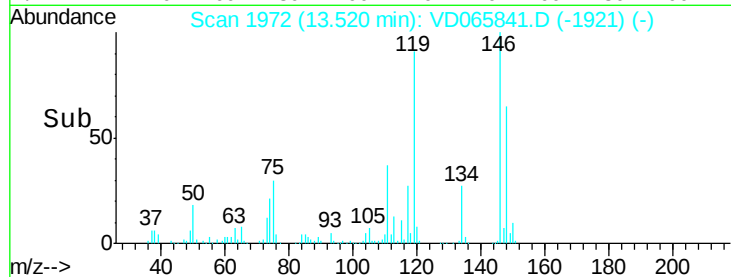
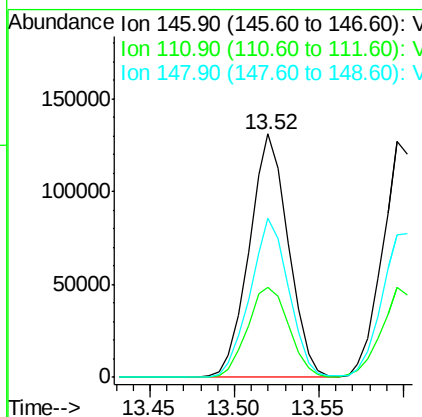
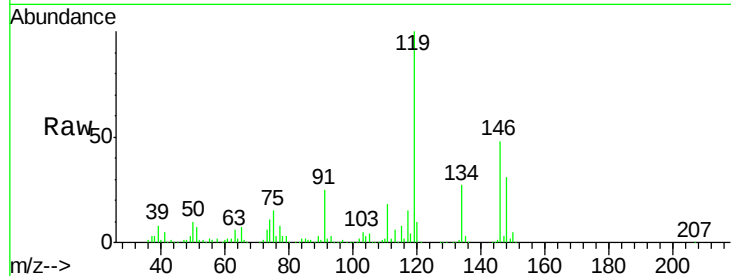




#87
 1,3-Dichlorobenzene
 Concen: 50.797 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

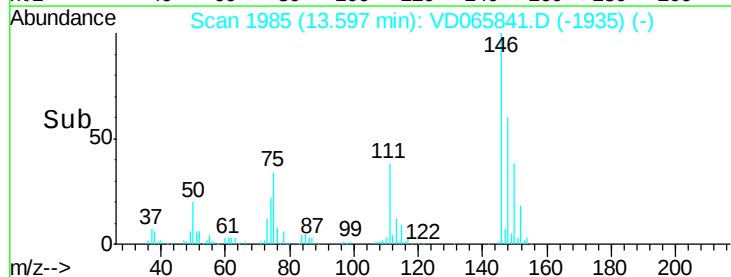
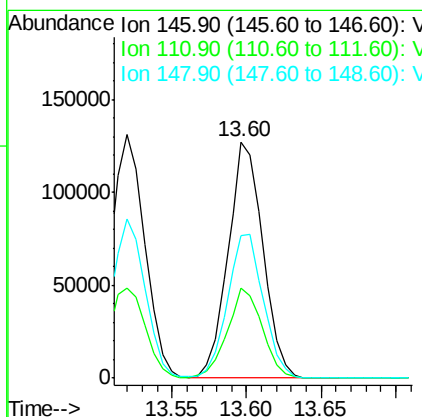
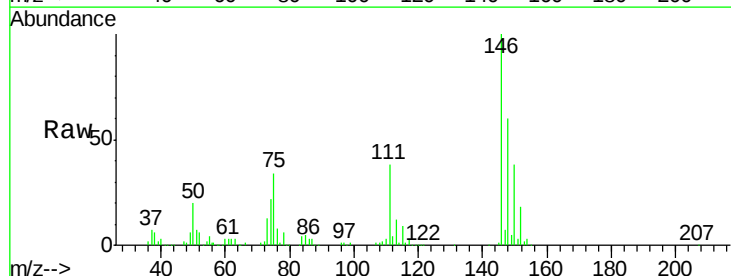
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

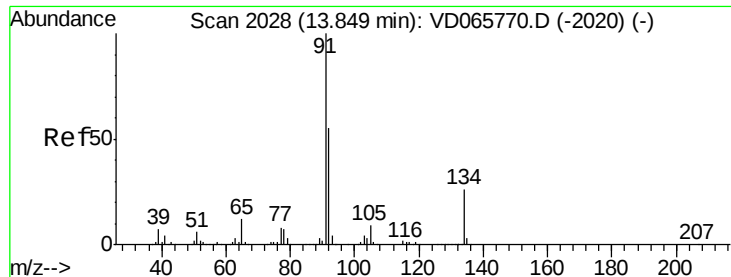
Tot Ion:146 Resp: 210002
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.2 57.6
 148 64.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 50.381 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Tgt Ion:146 Resp: 207189
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.9 56.7
 148 62.8 31.6 94.7

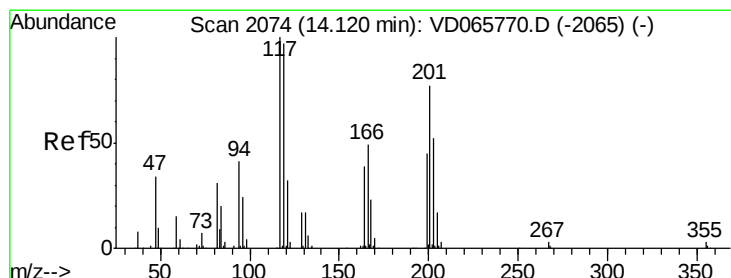
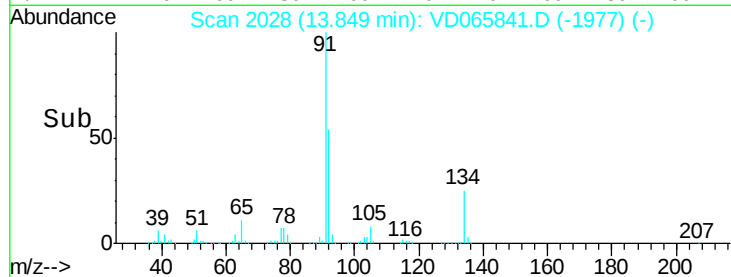
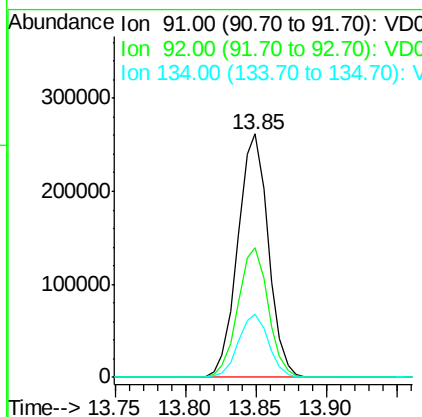
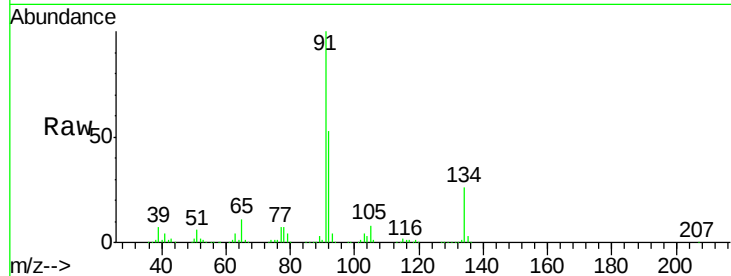




#89
n-Butylbenzene
Concen: 50.728 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

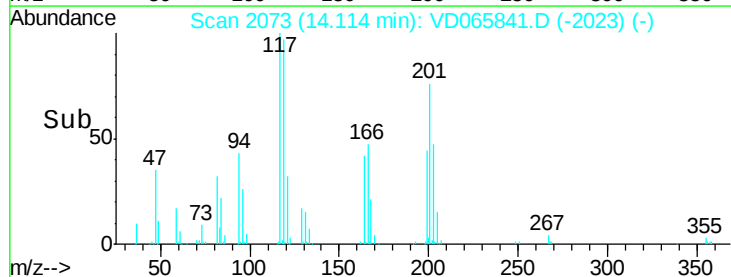
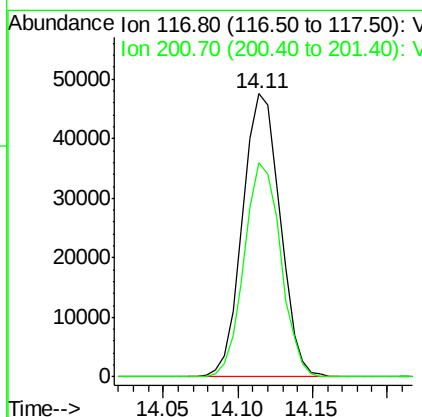
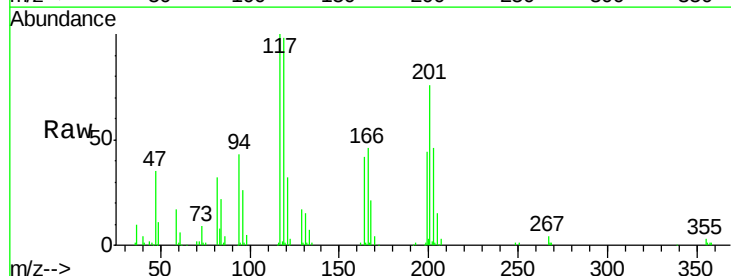
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

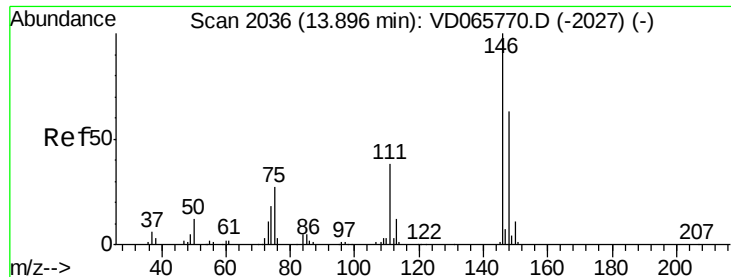
Tot Ion: 91 Resp: 394882
Ion Ratio Lower Upper
91 100
92 53.0 27.0 81.0
134 25.5 13.0 39.0



#90
Hexachloroethane
Concen: 50.701 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD065841.D
Acq: 19 Jun 2020 20:56

Tgt Ion: 117 Resp: 82831
Ion Ratio Lower Upper
117 100
201 73.5 37.1 111.5





#91

1,2-Dichlorobenzene

Concen: 51.204 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

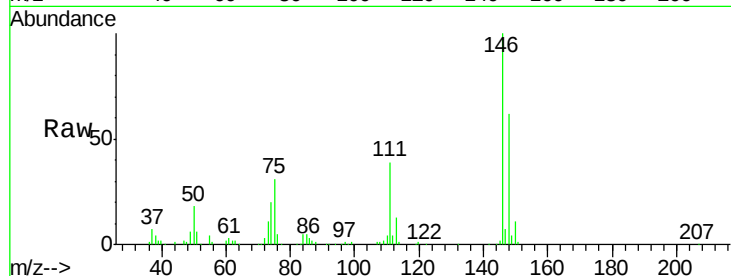
Tot Ion:146 Resp: 182180

Ion Ratio Lower Upper

146 100

111 40.2 19.8 59.4

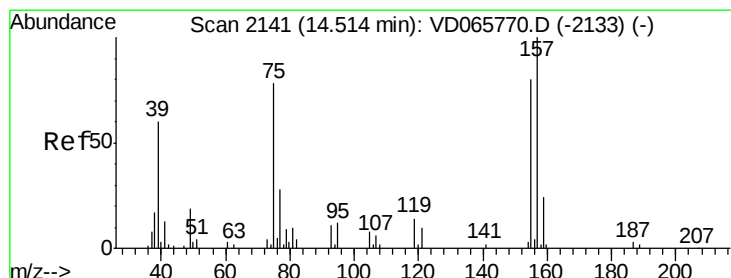
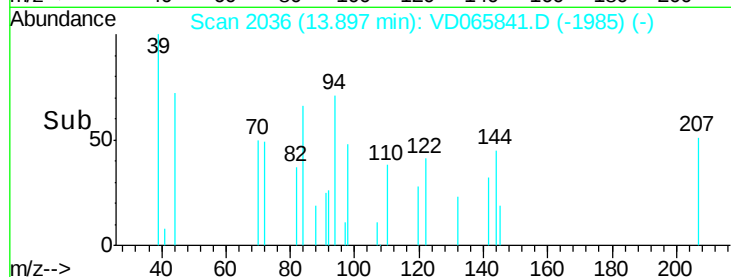
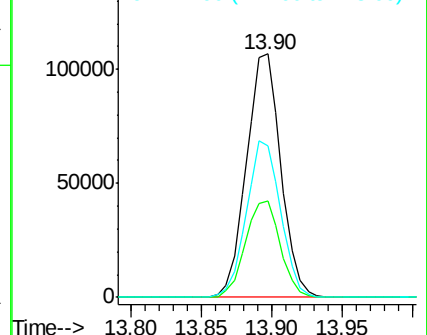
148 63.9 31.9 95.7



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: 49.078 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

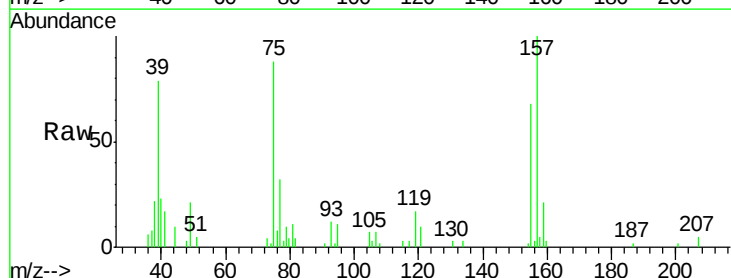
Tgt Ion: 75 Resp: 12224

Ion Ratio Lower Upper

75 100

155 85.3 46.3 138.9

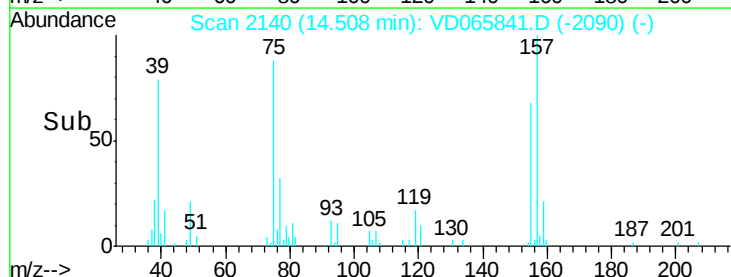
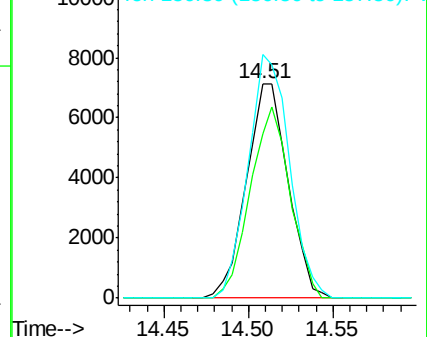
157 112.5 58.1 174.3

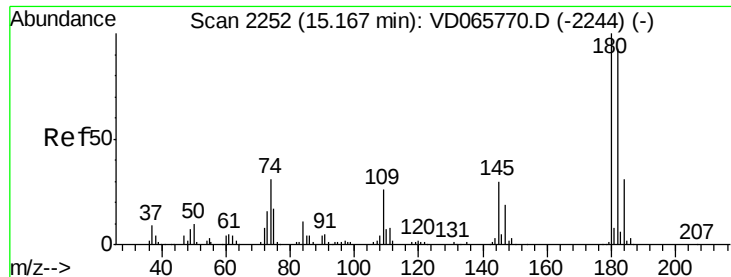


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

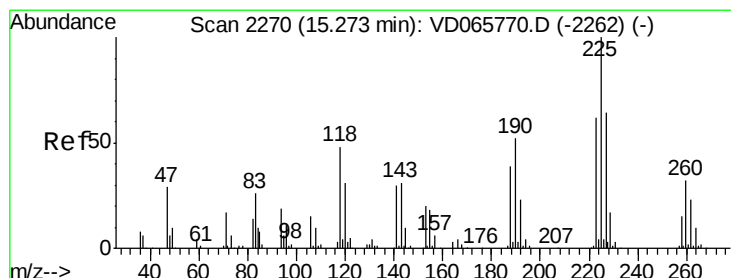
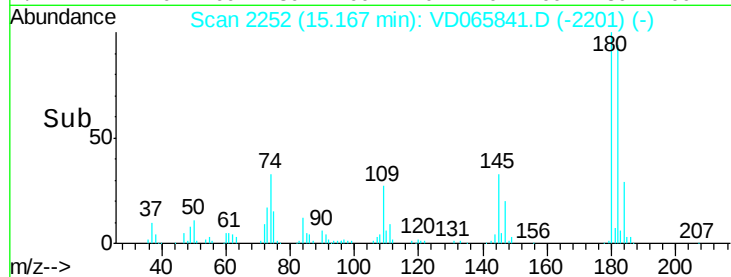
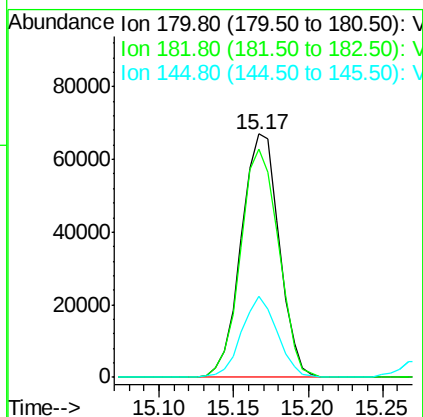
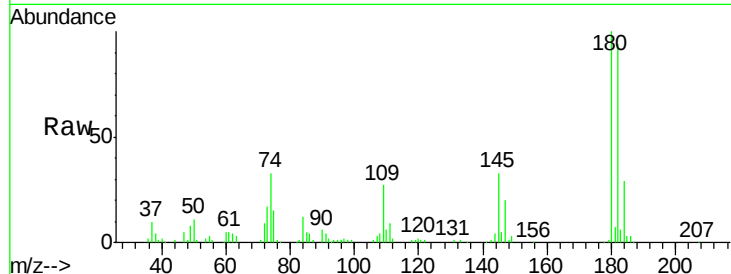




#93
 1,2,4-Trichlorobenzene
 Concen: 48.744 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

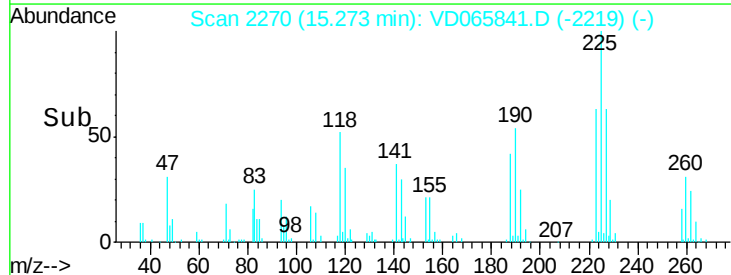
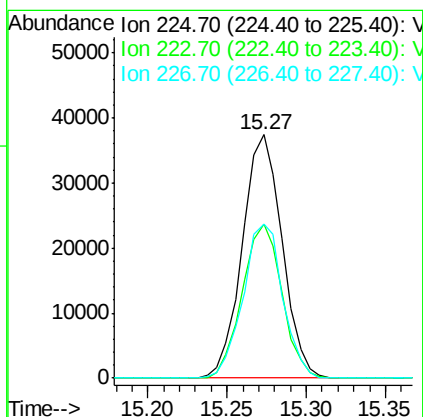
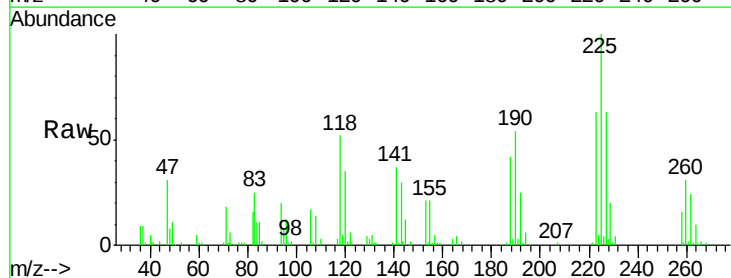
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

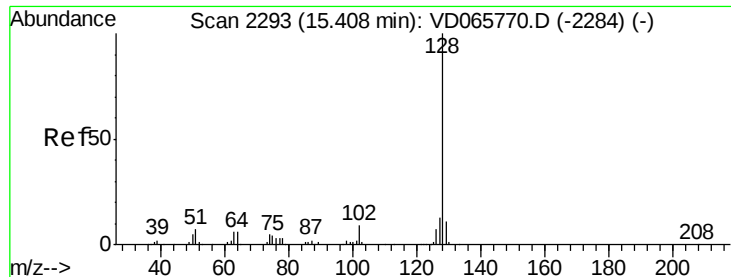
Tot Ion:180 Resp: 117918
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.0 144.2
 145 31.0 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 44.617 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065841.D
 Acq: 19 Jun 2020 20:56

Tgt Ion:225 Resp: 65248
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.9 92.7
 227 63.1 31.9 95.7





#95

Naphthalene

Concen: 50.852 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

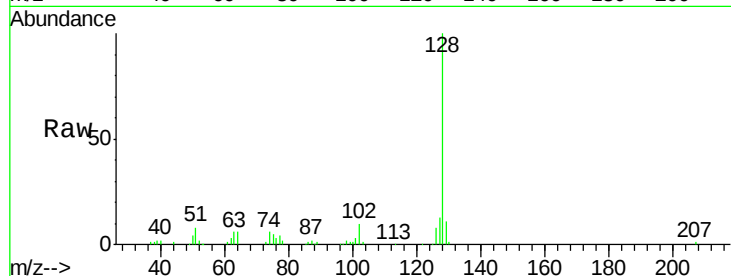
Tot Ion:128 Resp: 208379

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

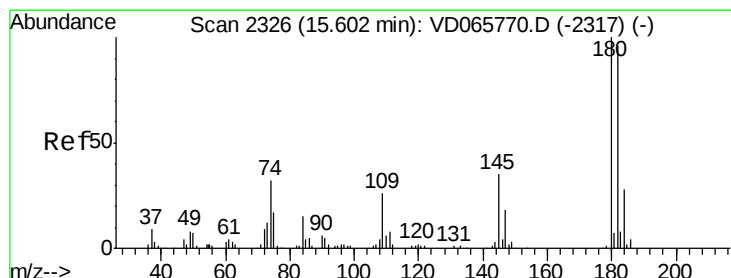
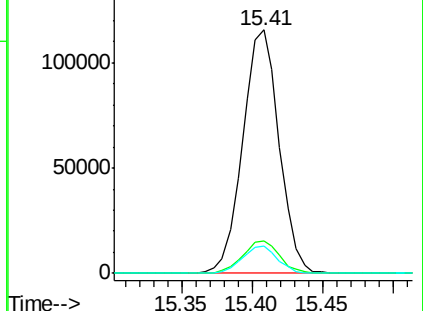
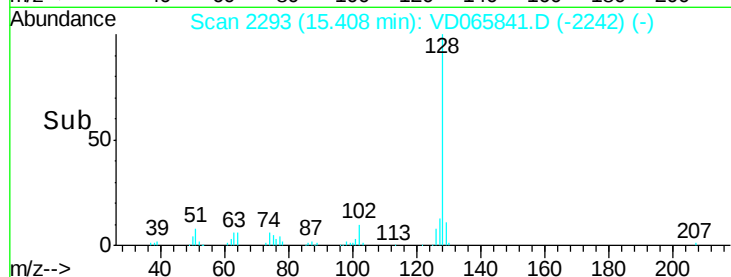
129 10.8 8.6 12.8



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: 48.585 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD065841.D

Acq: 19 Jun 2020 20:56

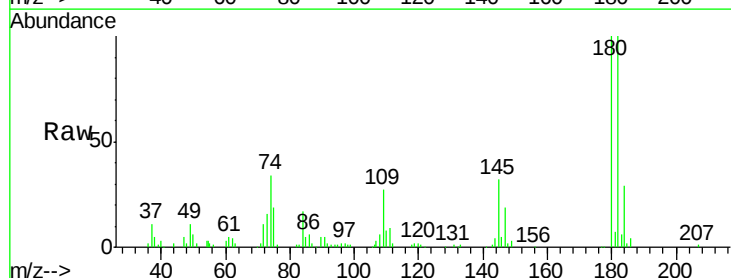
Tgt Ion:180 Resp: 101227

Ion Ratio Lower Upper

180 100

182 95.6 47.0 141.2

145 31.9 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

