

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051520\
 Data File : VD065753.D
 Acq On : 15 May 2020 15:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 15 19:39:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	317662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	475746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	429158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	127608	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	7.92	113	133990	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.34	98	504097	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.64	95	174490	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	98554	47.287	ug/l	100
3) Chloromethane	2.21	50	134666	45.084	ug/l	98
4) Vinyl Chloride	2.35	62	157100	48.573	ug/l	100
5) Bromomethane	2.77	94	100752	47.147	ug/l	97
6) Chloroethane	2.92	64	104231	49.685	ug/l	100
7) Trichlorofluoromethane	3.27	101	211367	47.272	ug/l	98
8) Diethyl Ether	3.70	74	61115	47.569	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	127764	46.487	ug/l	98
10) Methyl Iodide	4.30	142	137736	47.974	ug/l	100
11) Tert butyl alcohol	5.21	59	38811	171.731	ug/l	100
12) 1,1-Dichloroethene	4.07	96	118515	45.464	ug/l	99
13) Acrolein	3.92	56	39359	280.764	ug/l	96
14) Allyl chloride	4.71	41	204411	45.352	ug/l	99
15) Acrylonitrile	5.43	53	129148	227.545	ug/l	99
16) Acetone	4.16	43	123524	235.248	ug/l	98
17) Carbon Disulfide	4.41	76	367986	44.695	ug/l	99
18) Methyl Acetate	4.72	43	53434	43.155	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	283583	46.630	ug/l	99
20) Methylene Chloride	4.96	84	139383	47.052	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	138420	46.119	ug/l	98
22) Diisopropyl ether	6.36	45	408896	47.652	ug/l	96
23) Vinyl Acetate	6.31	43	1186625	235.113	ug/l	100
24) 1,1-Dichloroethane	6.27	63	237056	47.184	ug/l	98
25) 2-Butanone	7.21	43	165711	220.775	ug/l	94
26) 2,2-Dichloropropane	7.21	77	218302	46.815	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	155656	47.326	ug/l	98
28) Bromochloromethane	7.55	49	107902	52.237	ug/l	99
29) Tetrahydrofuran	7.57	42	105092	220.833	ug/l	99
30) Chloroform	7.71	83	243619	47.980	ug/l	97
31) Cyclohexane	7.99	56	221731	43.599	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	226563	47.633	ug/l	99
36) 1,1-Dichloropropene	8.11	75	191256	46.292	ug/l	98
37) Ethyl Acetate	7.30	43	77752	43.928	ug/l	99
38) Carbon Tetrachloride	8.10	117	206839	47.201	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	243124	45.917	ug/l	97
40) Benzene	8.35	78	532537	46.874	ug/l	99
41) Methacrylonitrile	7.53	41	43672m	44.801	ug/l	
42) 1,2-Dichloroethane	8.43	62	149644	47.306	ug/l	99
43) Isopropyl Acetate	8.46	43	157196	44.808	ug/l	99
44) Trichloroethene	9.11	130	154852	45.528	ug/l	98
45) 1,2-Dichloropropane	9.39	63	132594	47.336	ug/l	97
46) Dibromomethane	9.48	93	71155	47.109	ug/l	98
47) Bromodichloromethane	9.66	83	188901	47.780	ug/l	95
48) Methyl methacrylate	9.46	41	76963	46.736	ug/l	99
49) 1,4-Dioxane	9.47	88	13719	769.799	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	378295	225.330	ug/l	99
52) Toluene	10.41	92	350813	47.134	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	178825	46.299	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	220087	47.906	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	97126	47.203	ug/l	96
56) Ethyl methacrylate	10.67	69	124290	46.346	ug/l	98
57) 1,3-Dichloropropane	10.95	76	165675	46.293	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	315804	253.114	ug/l	100
59) 2-Hexanone	10.99	43	259543	227.022	ug/l	98
60) Dibromochloromethane	11.14	129	130518	47.368	ug/l	100
61) 1,2-Dibromoethane	11.25	107	96015	46.721	ug/l	100
64) Tetrachloroethene	10.88	164	131939	44.461	ug/l	98
65) Chlorobenzene	11.67	112	367653	45.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	139005	45.910	ug/l	99
67) Ethyl Benzene	11.75	91	667299	46.277	ug/l	96
68) m/p-Xylenes	11.86	106	505650	91.813	ug/l	99
69) o-Xylene	12.18	106	237663	46.356	ug/l	96
70) Styrene	12.20	104	405619	46.359	ug/l	100
71) Bromoform	12.37	173	76424	45.734	ug/l #	99
73) Isopropylbenzene	12.48	105	650971	46.950	ug/l	100
74) N-amyl acetate	12.29	43	145776	45.283	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	101259	46.142	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	62474m	40.532	ug/l	
77) Bromobenzene	12.77	156	155848	46.633	ug/l	99
78) n-propylbenzene	12.83	91	761286	47.004	ug/l	99
79) 2-Chlorotoluene	12.91	91	423941	47.306	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	538802	47.163	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	34317	43.679	ug/l	96
82) 4-Chlorotoluene	13.01	91	446892	47.300	ug/l	100
83) tert-Butylbenzene	13.23	119	472785	46.670	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	529057	46.958	ug/l	99
85) sec-Butylbenzene	13.41	105	648665	47.057	ug/l	99
86) p-Isopropyltoluene	13.53	119	599045	47.280	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	296580	47.315	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	292768	46.892	ug/l	98
89) n-Butylbenzene	13.85	91	563190	47.535	ug/l	100
90) Hexachloroethane	14.12	117	114975	46.383	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	256624	47.332	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15396	41.954	ug/l	97

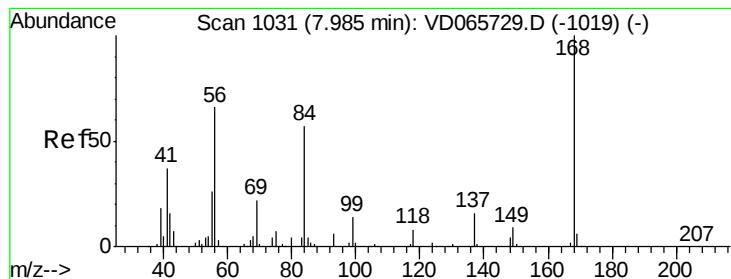
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051520\
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Quant Title : SW846 8260
QLast Update : Wed May 13 14:28:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	189264	45.888	ug/l	99
94) Hexachlorobutadiene	15.27	225	114703	46.386	ug/l	100
95) Naphthalene	15.41	128	305625	44.551	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	159557	45.373	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

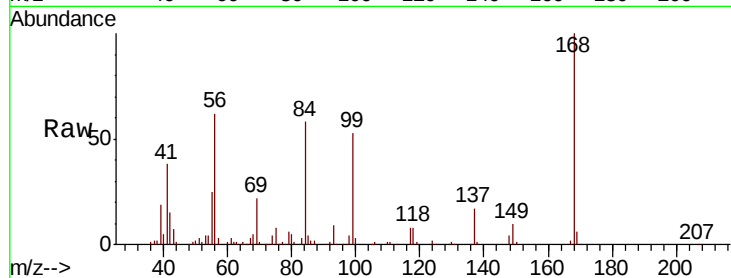
VSTDCCC050EC

Tot Ion:168 Resp: 317662

Ion Ratio Lower Upper

168 100

99 52.8 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

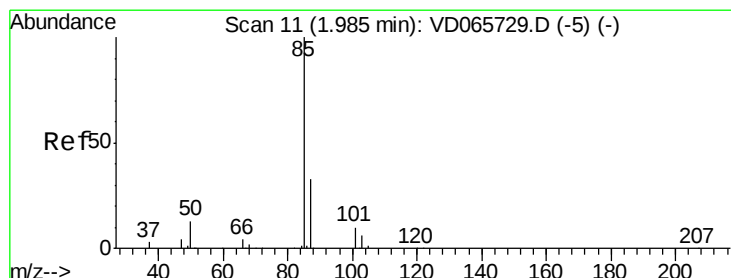
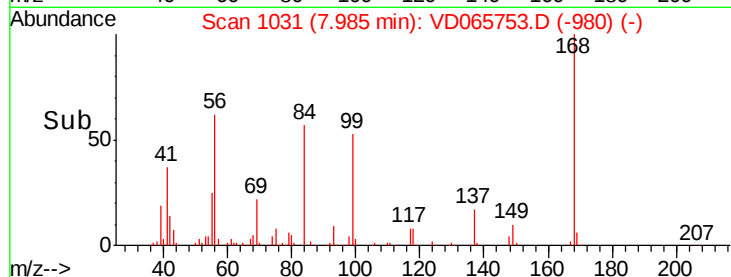
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.287 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065753.D

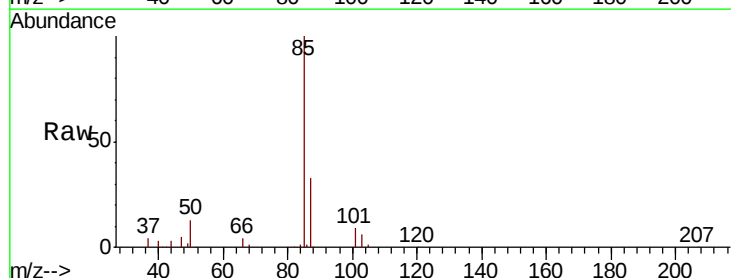
Acq: 15 May 2020 15:29

Tgt Ion: 85 Resp: 98554

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

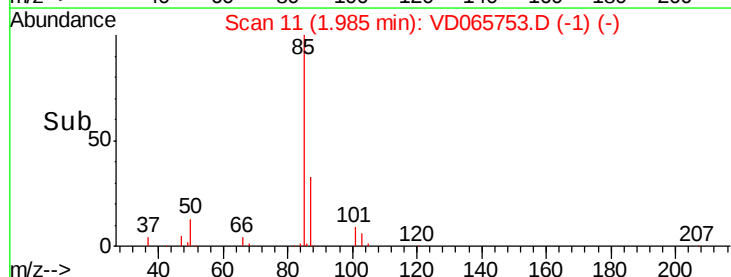
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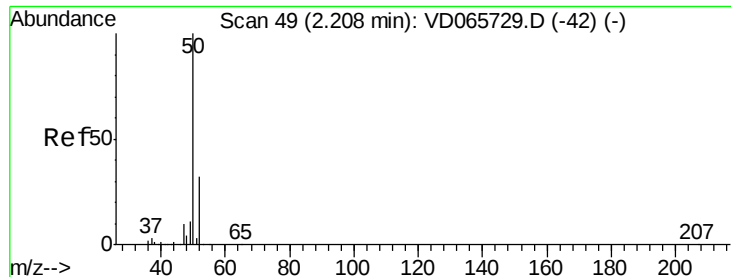
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0

1.90 1.95 2.00 2.05 2.10

Time-->

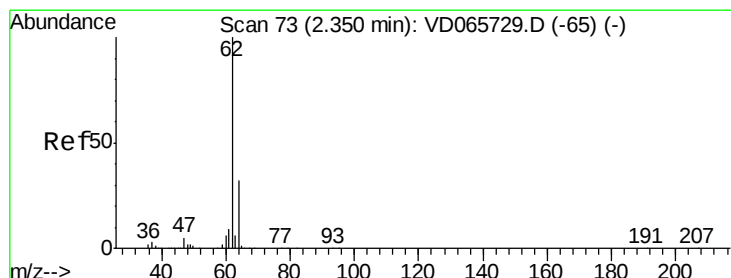
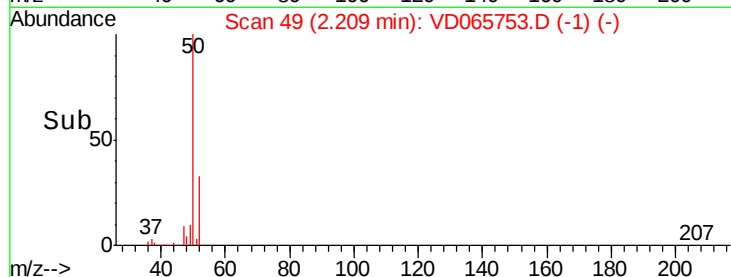
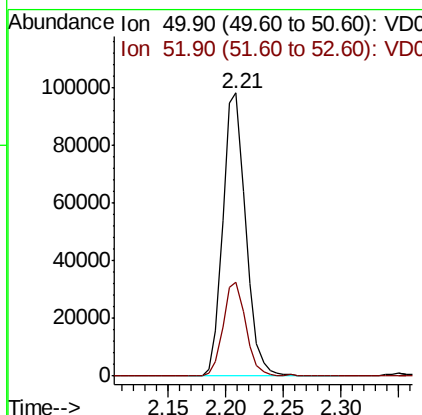
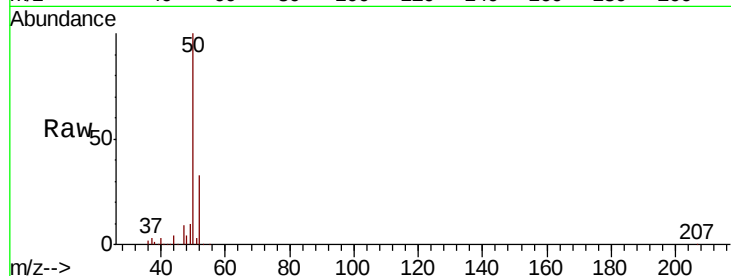




#3
Chloromethane
Concen: 45.084 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

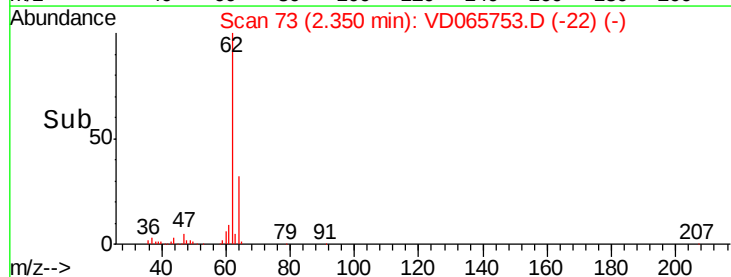
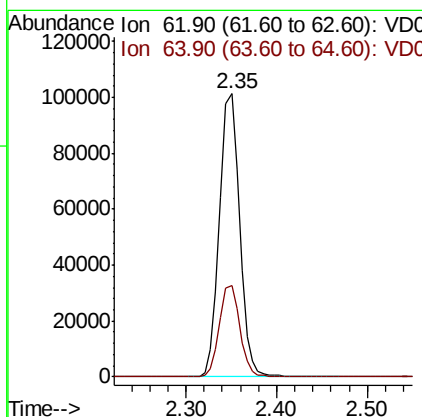
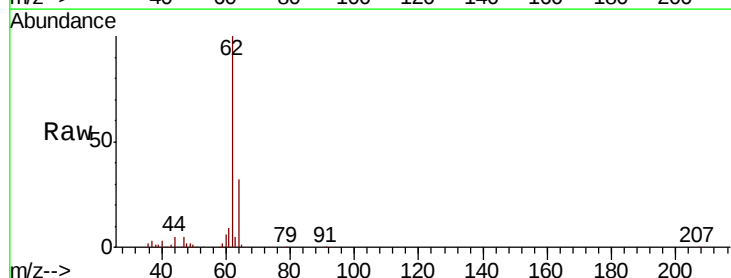
Instrument :
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ClientSampleId :
VSTDCCC050EC

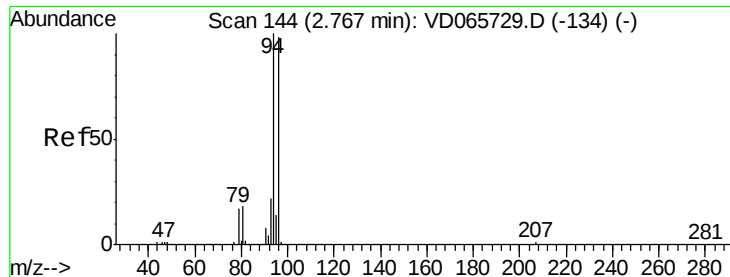
Tot Ion: 50 Resp: 134666
Ion Ratio Lower Upper
50 100
52 33.0 25.5 38.3



#4
Vinyl Chloride
Concen: 48.573 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion: 62 Resp: 157100
Ion Ratio Lower Upper
62 100
64 32.1 25.8 38.6





#5

Bromomethane

Concen: 47.147 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

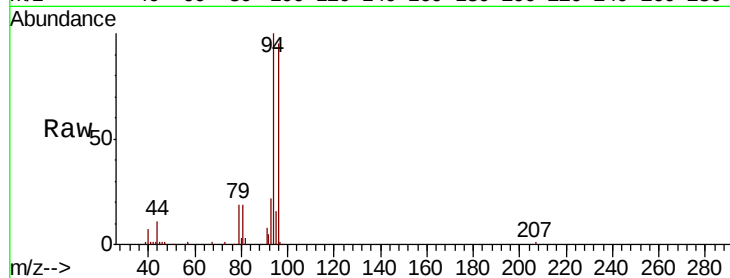
VSTDCCC050EC

Tot Ion: 94 Resp: 100752

Ion Ratio Lower Upper

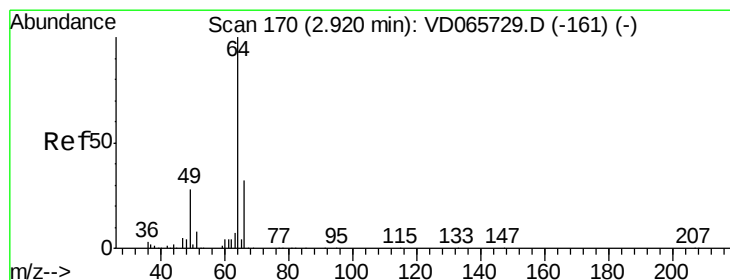
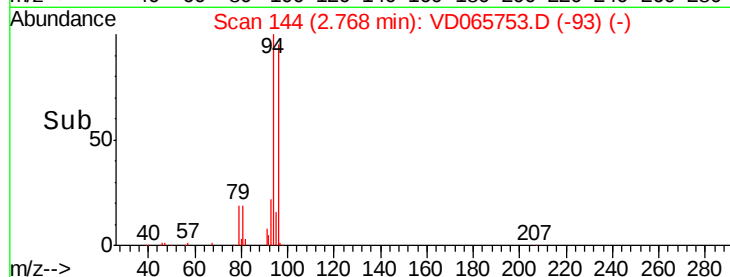
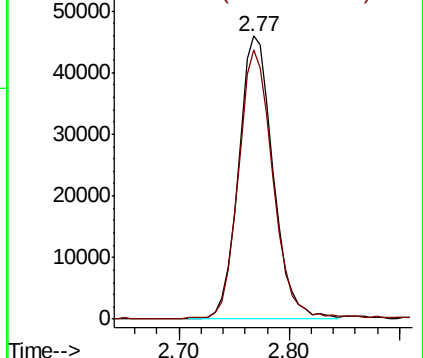
94 100

96 94.5 78.1 117.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.685 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065753.D

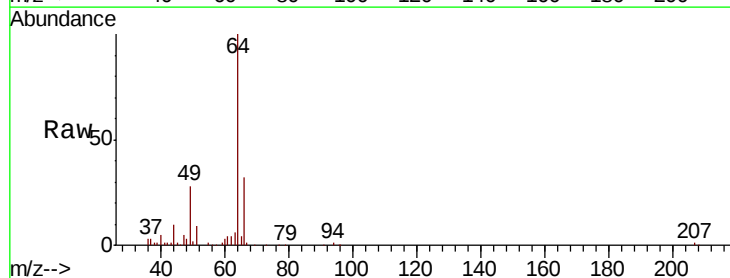
Acq: 15 May 2020 15:29

Tgt Ion: 64 Resp: 104231

Ion Ratio Lower Upper

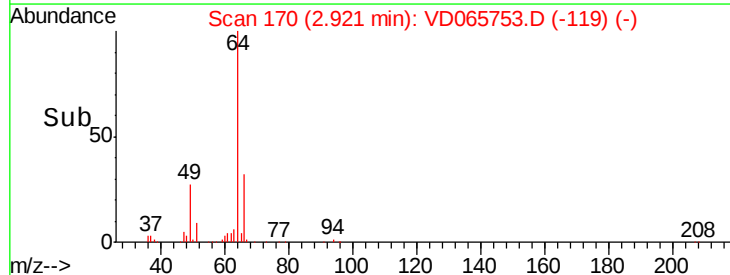
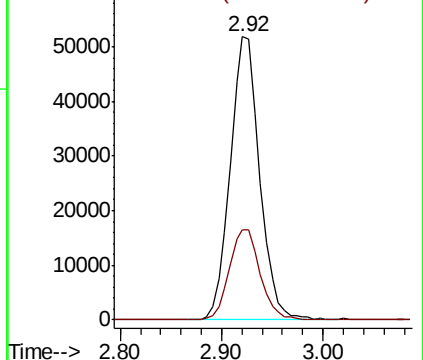
64 100

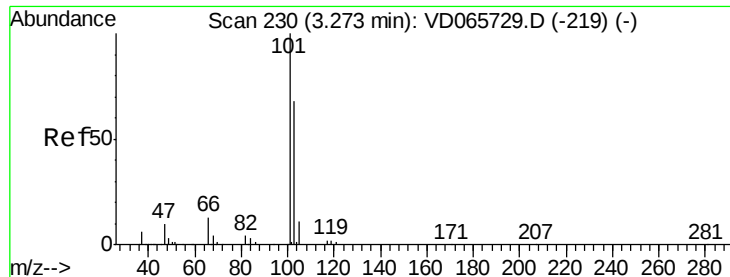
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



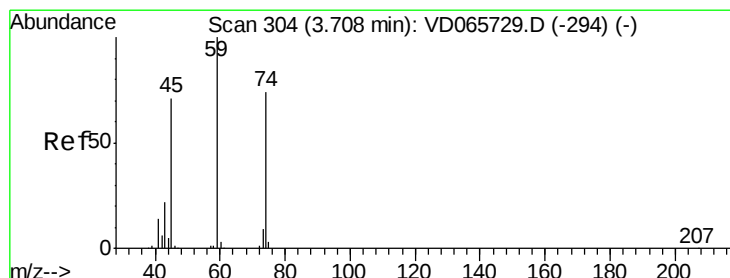
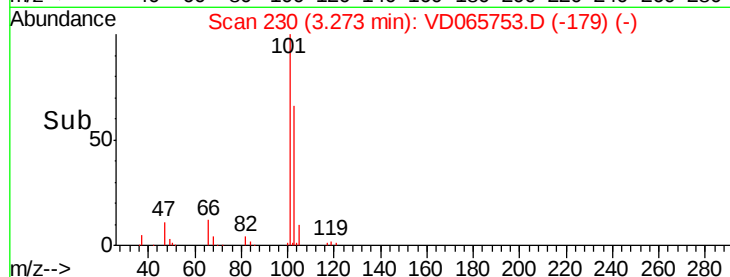
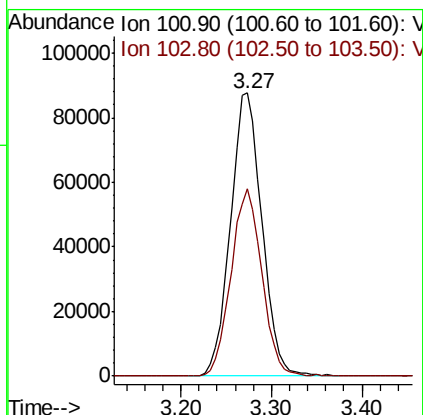
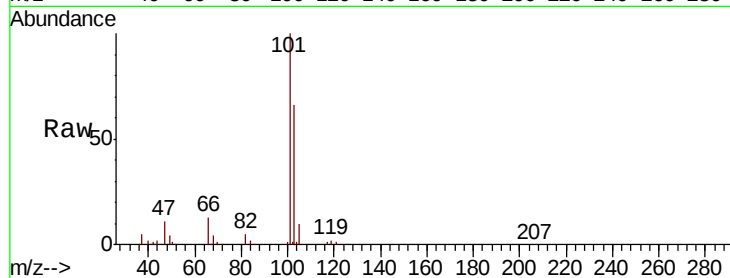


#7

Trichlorofluoromethane
Concen: 47.272 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Instrument :
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ClientSampleId :
VSTDCCC050EC

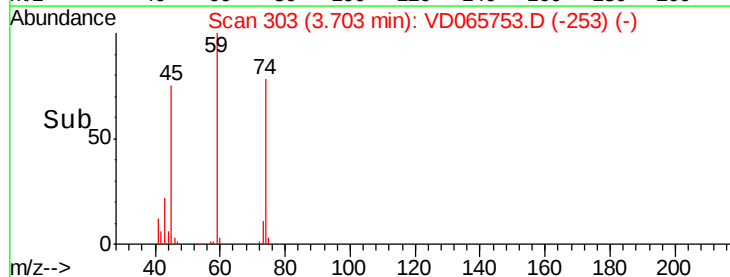
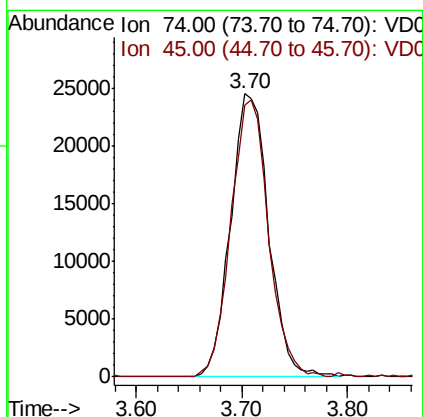
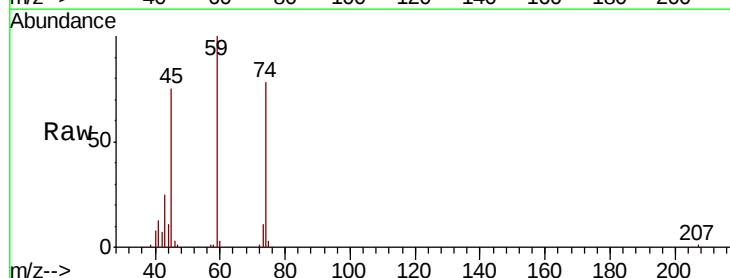
Tot Ion:101 Resp: 211367
Ion Ratio Lower Upper
101 100
103 66.0 54.1 81.1

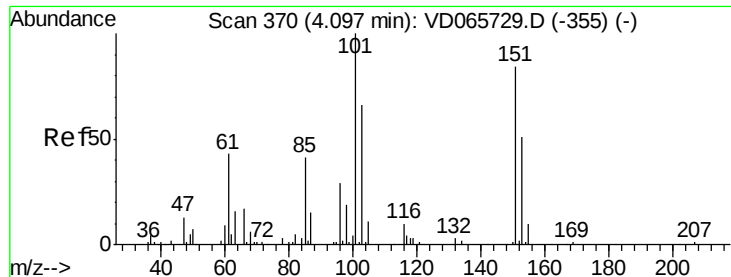


#8

Diethyl Ether
Concen: 47.569 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion: 74 Resp: 61115
Ion Ratio Lower Upper
74 100
45 96.8 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.487 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

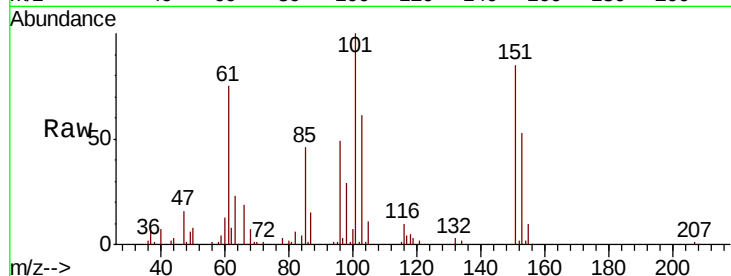
Tot Ion:101 Resp: 127764

Ion Ratio Lower Upper

101 100

85 44.3 34.1 51.1

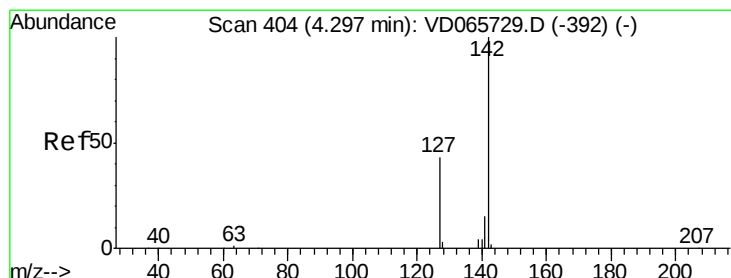
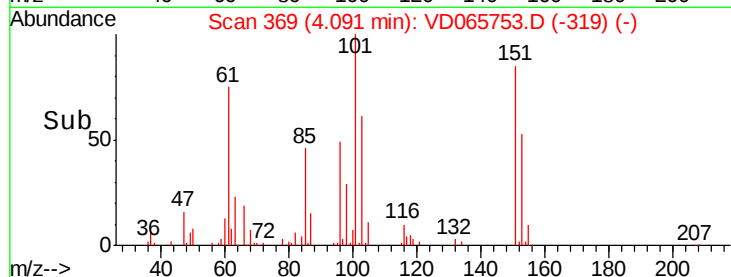
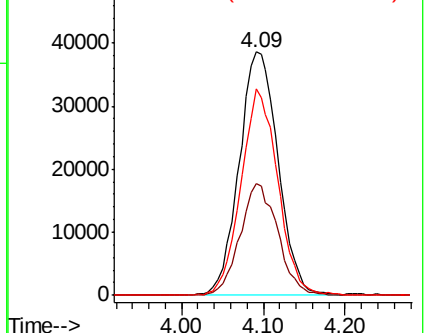
151 80.0 65.1 97.7



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: 47.974 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

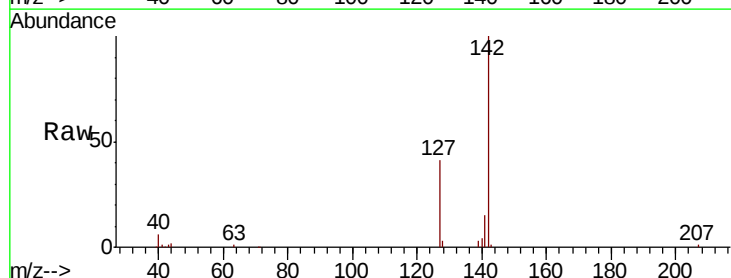
Tgt Ion:142 Resp: 137736

Ion Ratio Lower Upper

142 100

127 42.8 34.2 51.4

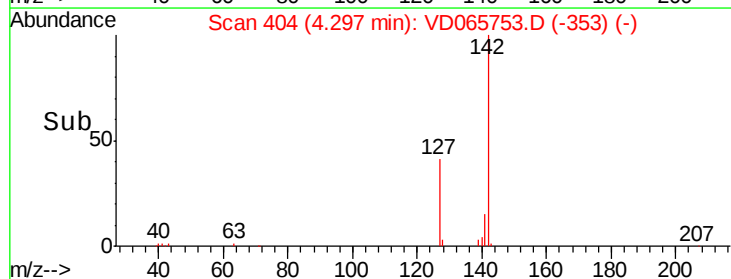
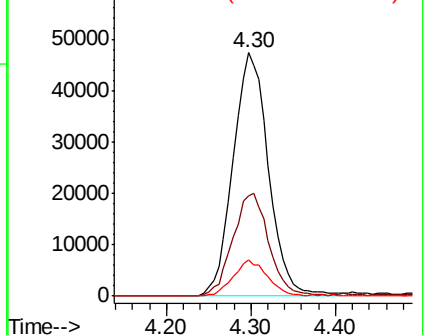
141 14.1 11.7 17.5

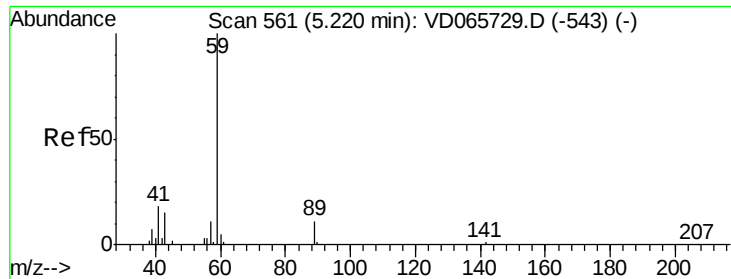


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



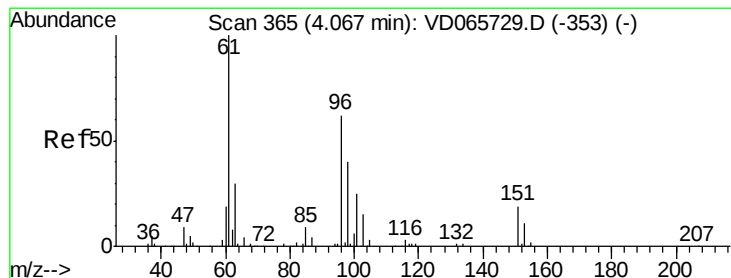
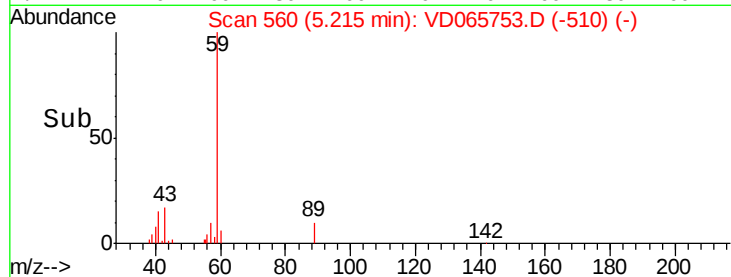
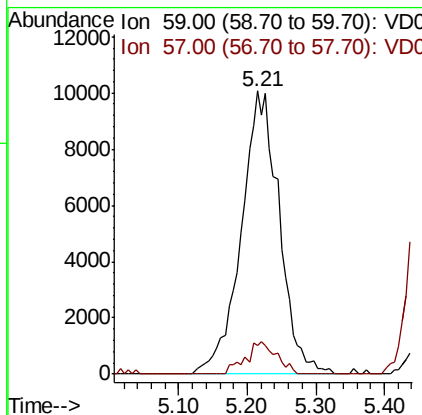
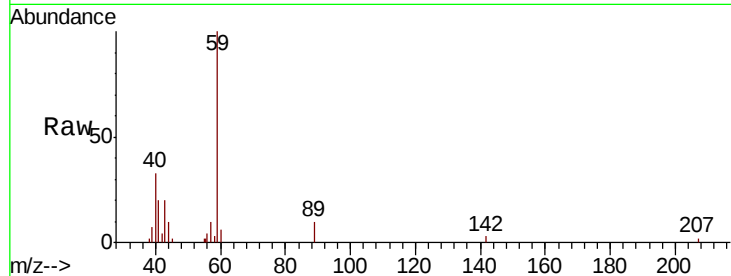


#11

Tert butyl alcohol
 Concen: 171.731 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

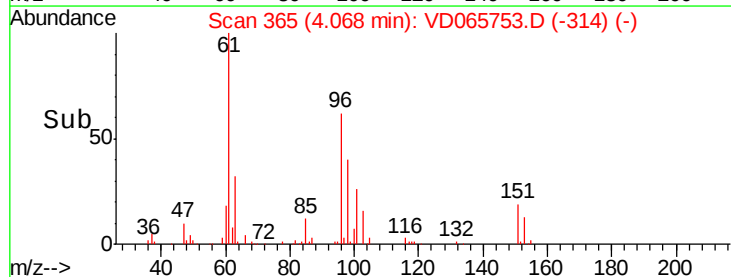
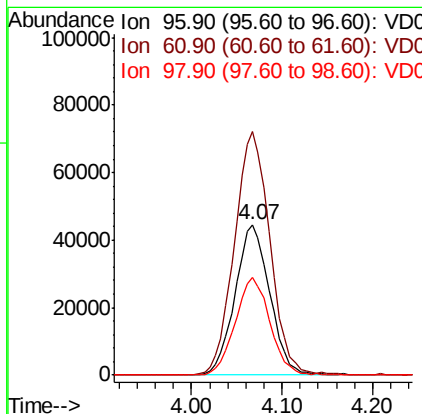
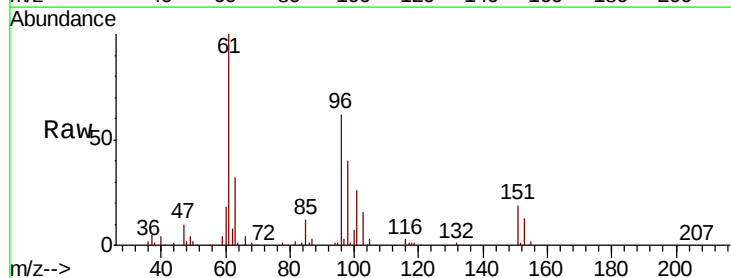
Tot Ion: 59 Resp: 38811
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.4 11.0

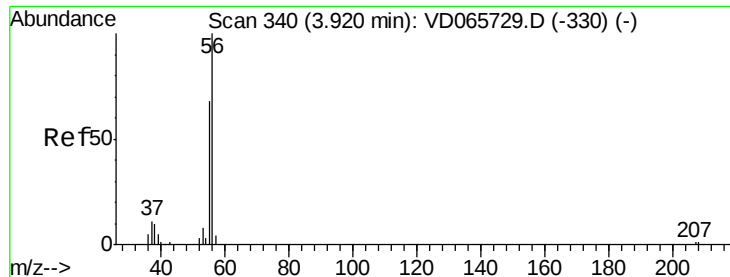


#12

1,1-Dichloroethene
 Concen: 45.464 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Tgt Ion: 96 Resp: 118515
 Ion Ratio Lower Upper
 96 100
 61 161.9 130.0 195.0
 98 64.9 52.3 78.5





#13

Acrolein

Concen: 280.764 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

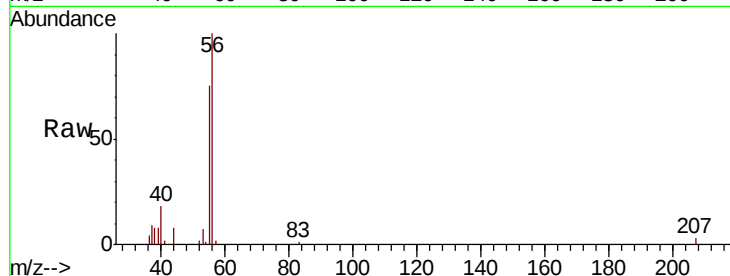
VSTDCCC050EC

Tot Ion: 56 Resp: 39359

Ion Ratio Lower Upper

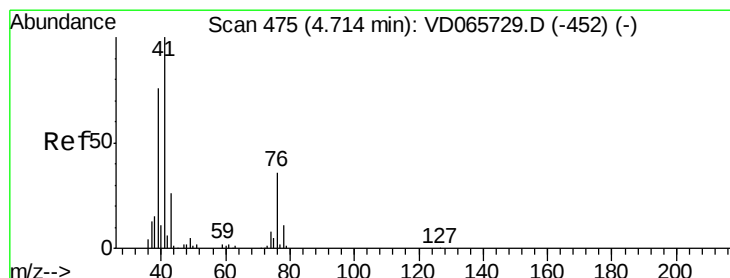
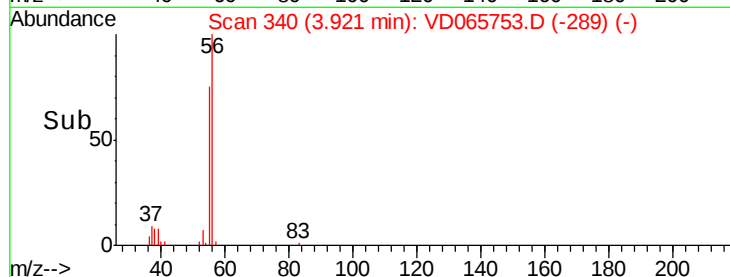
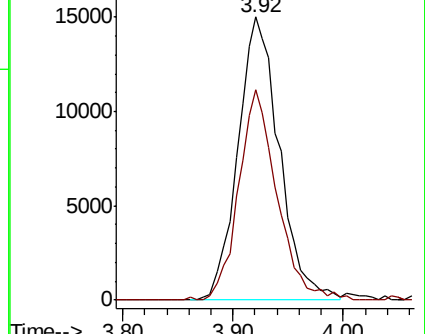
56 100

55 69.1 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 45.352 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

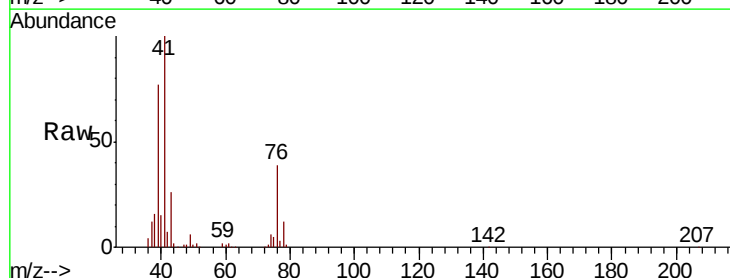
Tgt Ion: 41 Resp: 204411

Ion Ratio Lower Upper

41 100

39 73.5 57.4 86.2

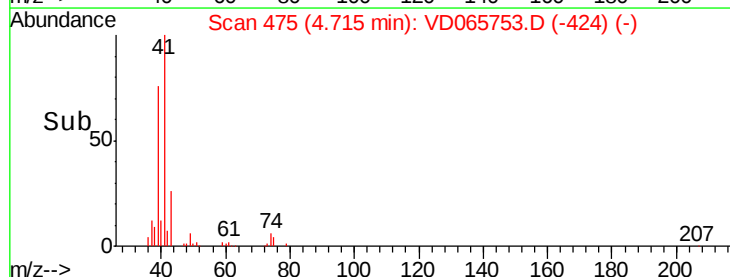
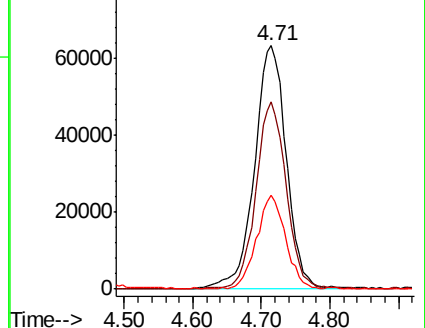
76 35.3 28.4 42.6

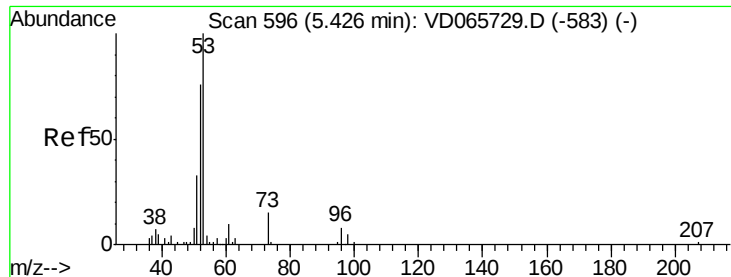


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 227.545 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

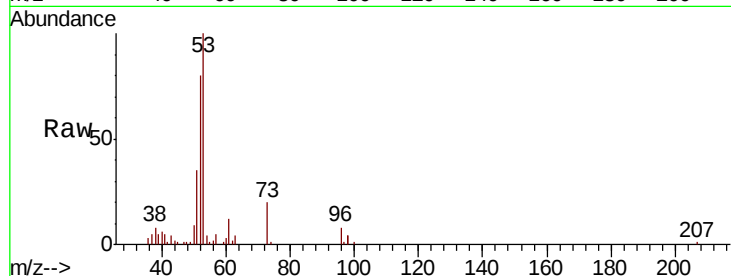
Tot Ion: 53 Resp: 129148

Ion Ratio Lower Upper

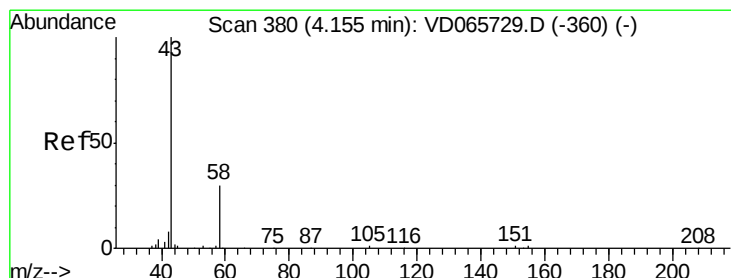
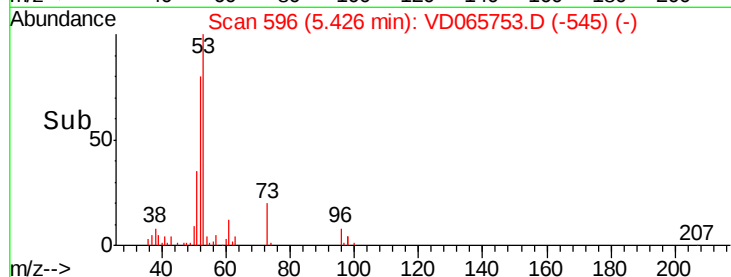
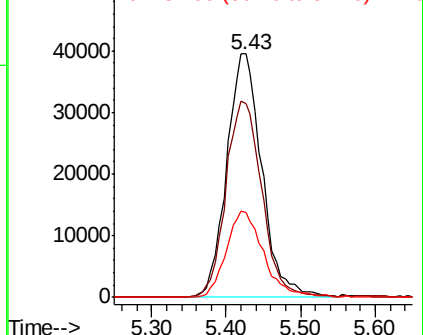
53 100

52 82.4 66.3 99.5

51 37.5 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 235.248 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065753.D

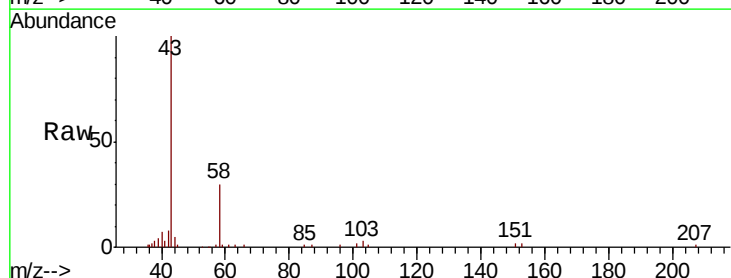
Acq: 15 May 2020 15:29

Tgt Ion: 43 Resp: 123524

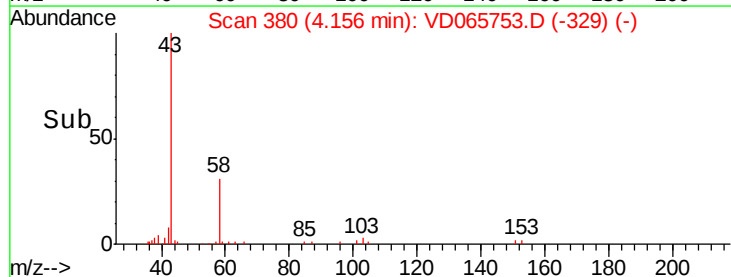
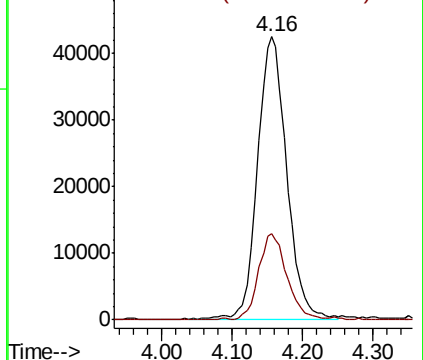
Ion Ratio Lower Upper

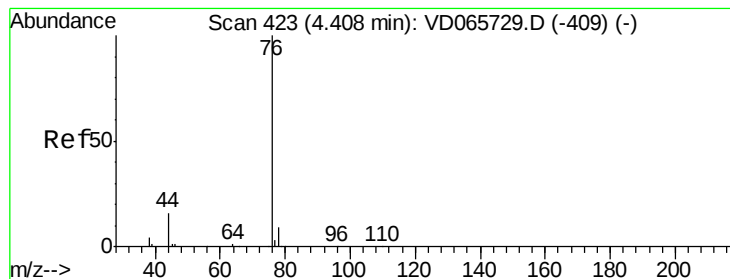
43 100

58 30.4 23.7 35.5



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





#17

Carbon Disulfide

Concen: 44.695 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

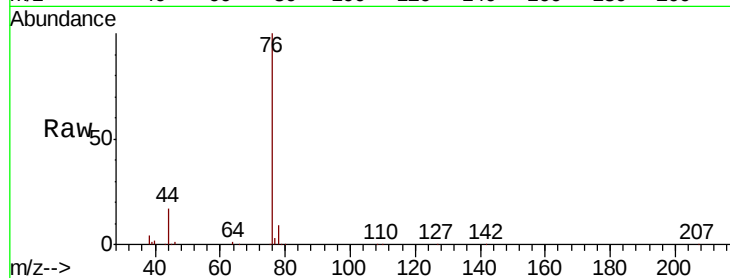
VSTDCCC050EC

Tot Ion: 76 Resp: 367986

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

150000

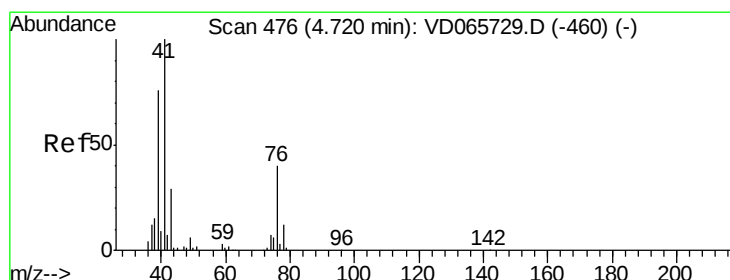
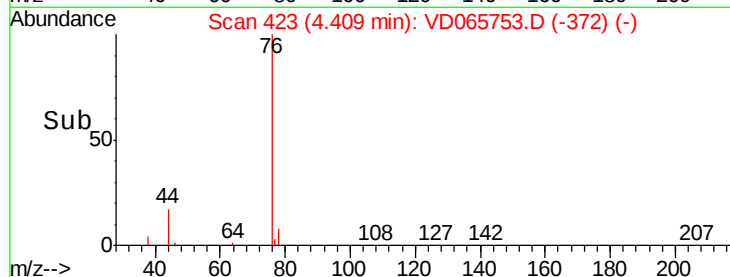
100000

50000

0

Time-->

4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 43.155 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065753.D

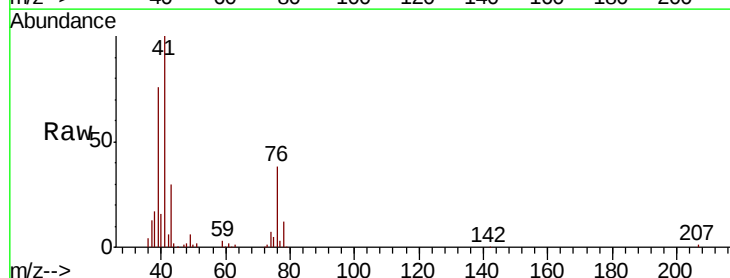
Acq: 15 May 2020 15:29

Tgt Ion: 43 Resp: 53434

Ion Ratio Lower Upper

43 100

74 24.5 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

20000

15000

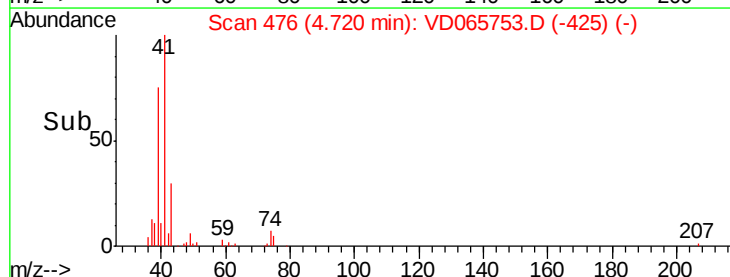
10000

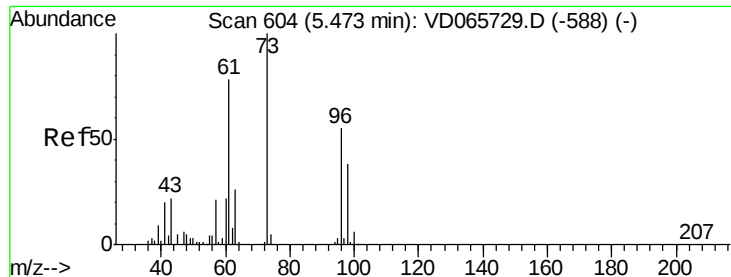
5000

0

Time-->

4.60 4.70 4.80



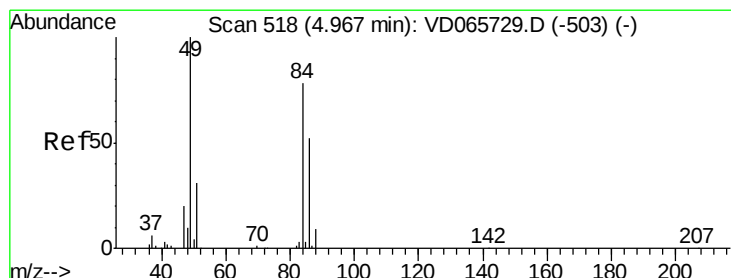
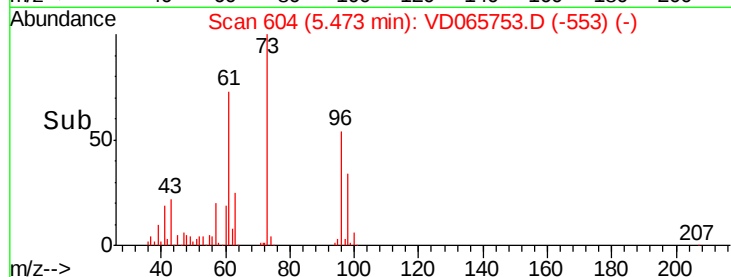
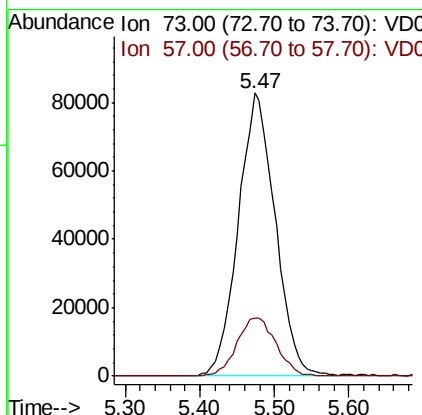
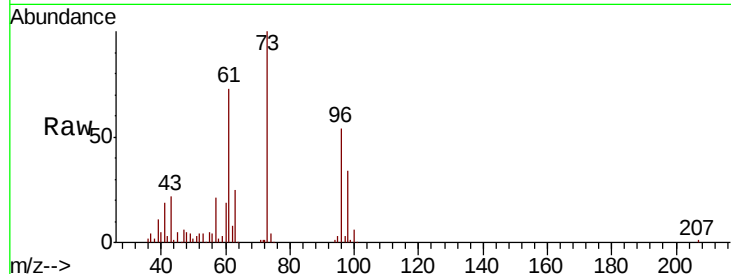


#19

Methyl tert-butyl Ether
 Concen: 46.630 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

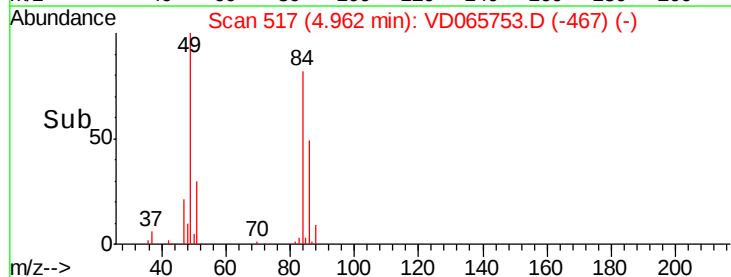
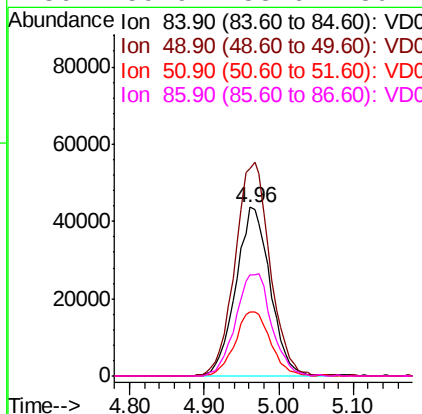
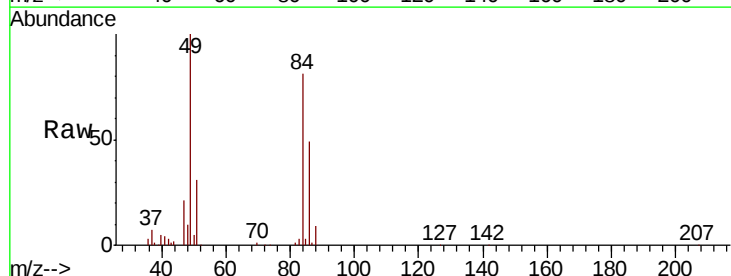
Tot Ion: 73 Resp: 283583
 Ion Ratio Lower Upper
 73 100
 57 20.5 17.0 25.4

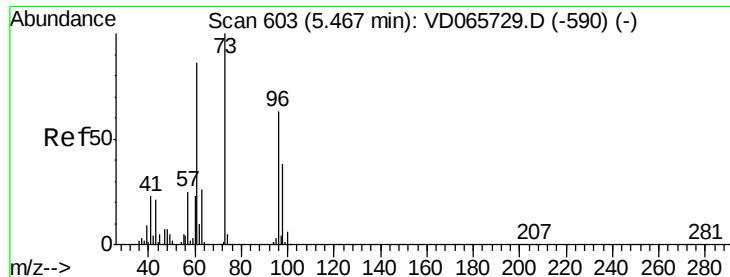


#20

Methylene Chloride
 Concen: 47.052 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Tgt Ion: 84 Resp: 139383
 Ion Ratio Lower Upper
 84 100
 49 123.1 102.9 154.3
 51 37.7 31.5 47.3
 86 59.9 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 46.119 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

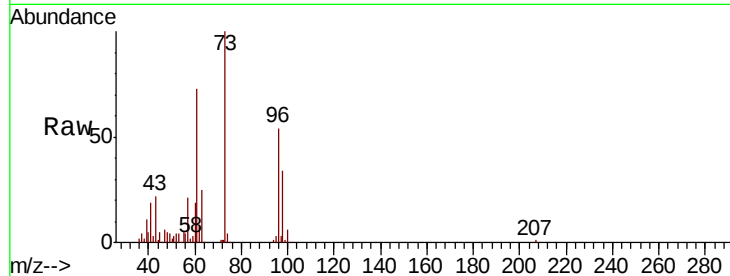
Tot Ion: 96 Resp: 138420

Ion Ratio Lower Upper

96 100

61 135.0 108.6 163.0

98 62.8 47.9 71.9

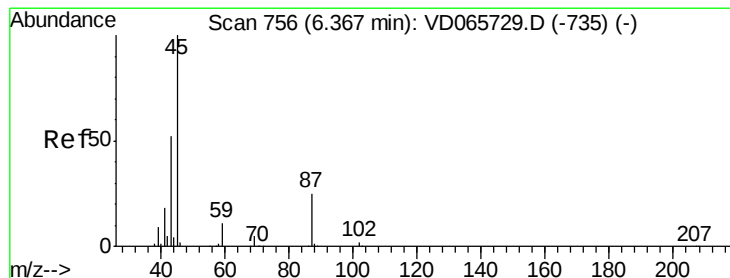
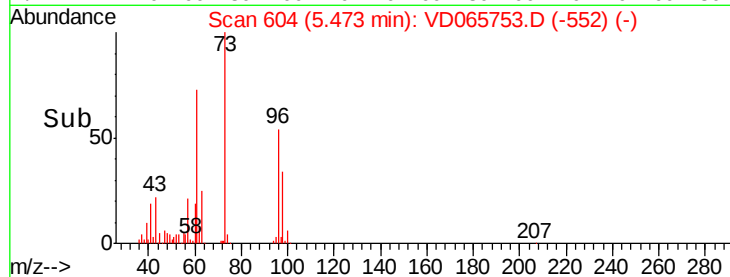
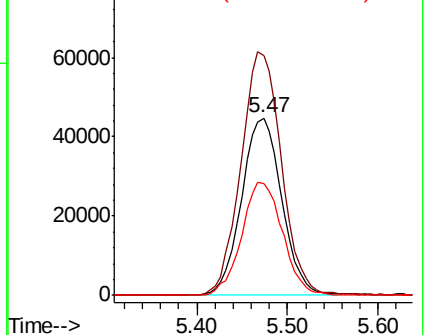


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 47.652 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Tgt Ion: 45 Resp: 408896

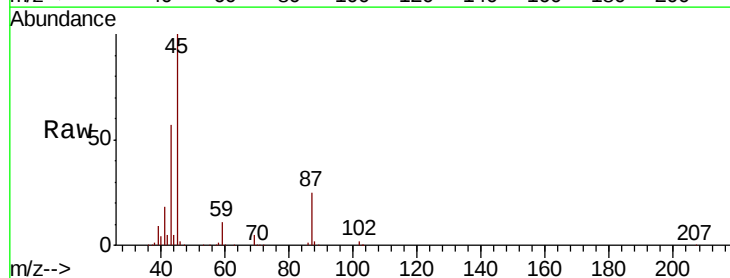
Ion Ratio Lower Upper

45 100

43 56.8 41.8 62.6

87 25.2 20.1 30.1

59 11.1 8.6 13.0



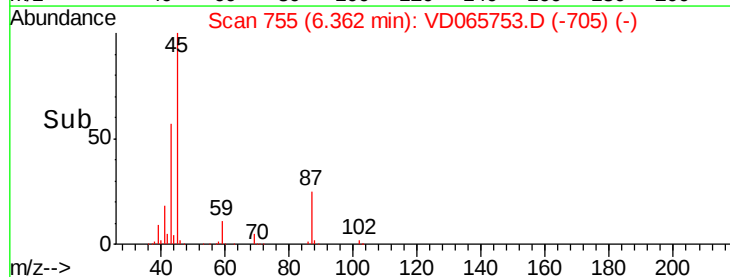
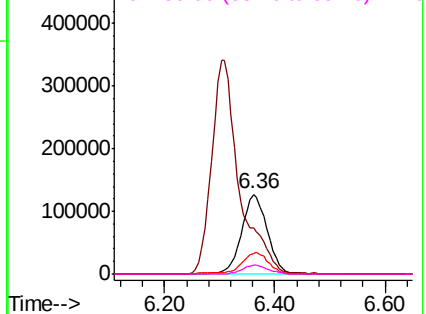
Abundance

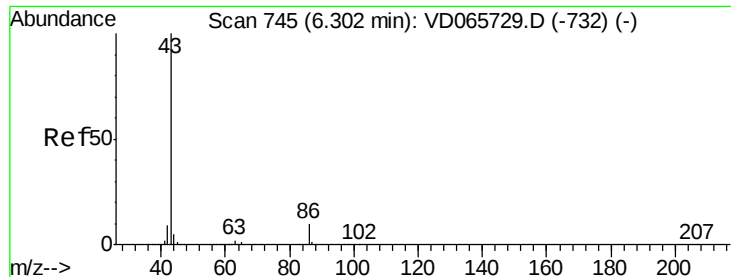
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 235.113 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

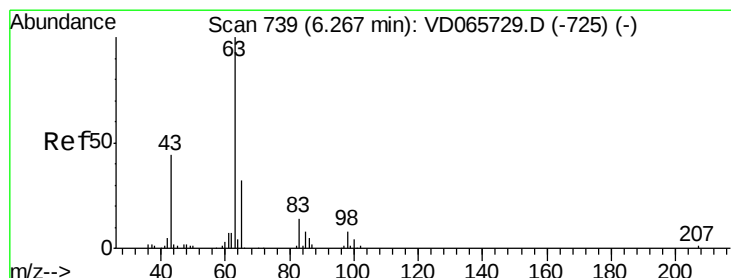
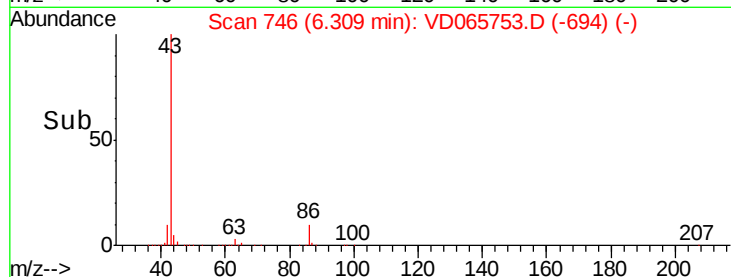
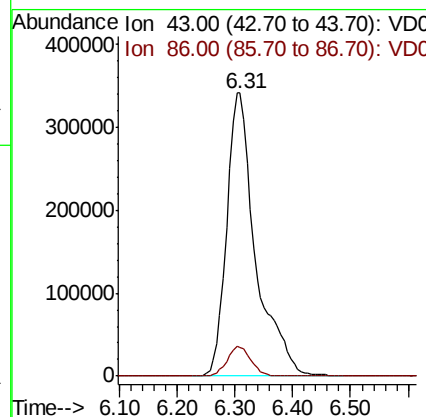
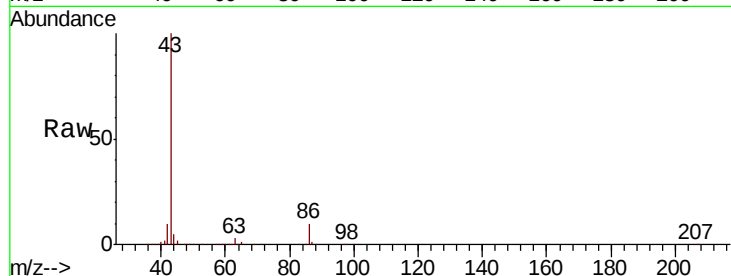
VSTDCCC050EC

Tot Ion: 43 Resp: 1186625

Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.4



#24

1,1-Dichloroethane

Concen: 47.184 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

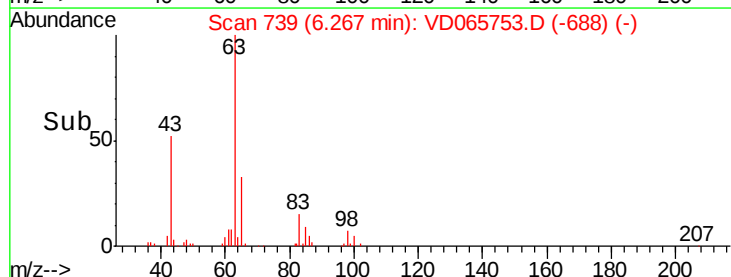
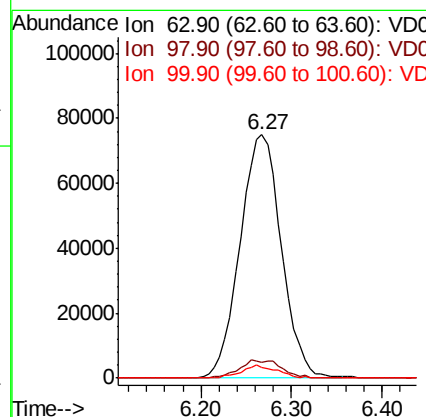
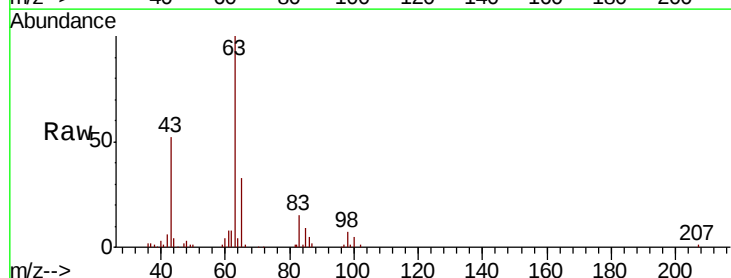
Tgt Ion: 63 Resp: 237056

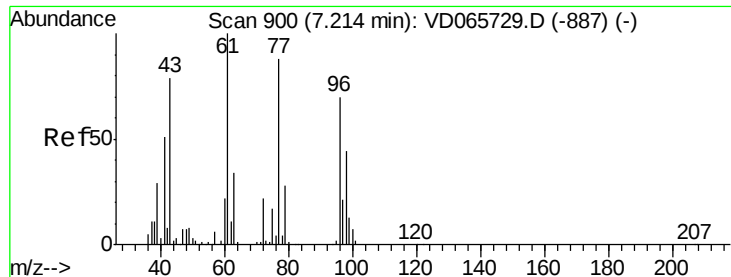
Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.5

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 220.775 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

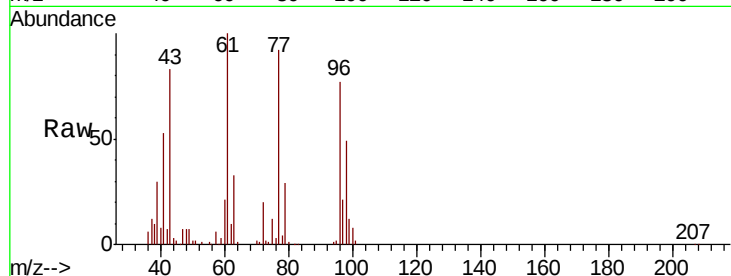
VSTDCCC050EC

Tot Ion: 43 Resp: 165711

Ion Ratio Lower Upper

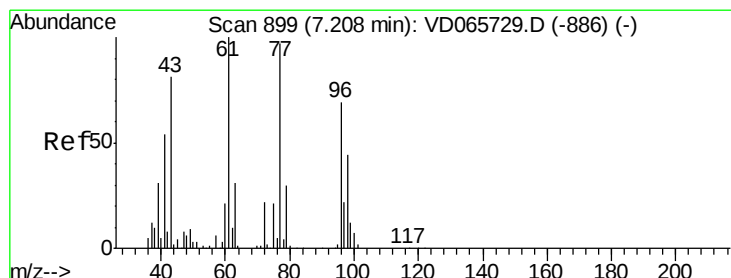
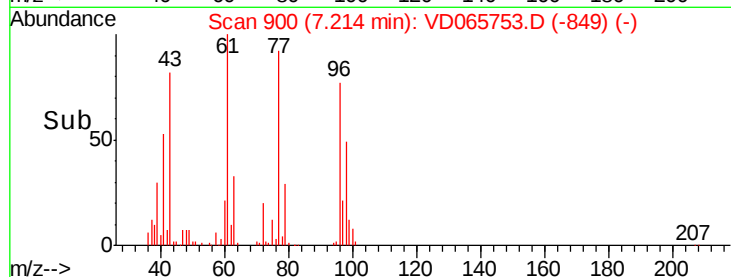
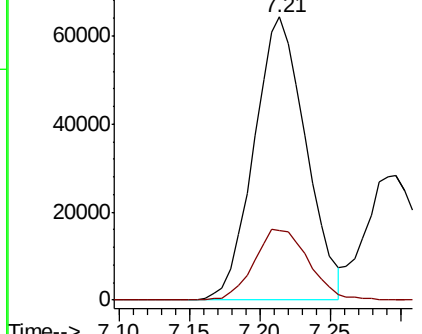
43 100

72 24.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.815 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065753.D

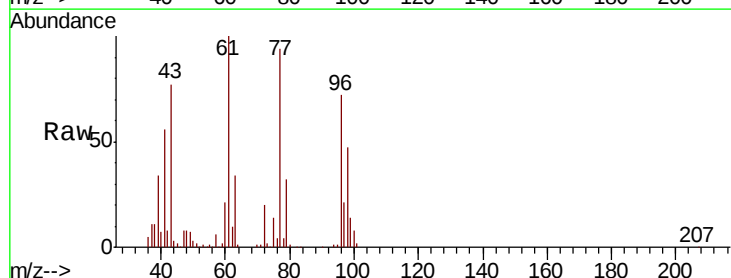
Acq: 15 May 2020 15:29

Tgt Ion: 77 Resp: 218302

Ion Ratio Lower Upper

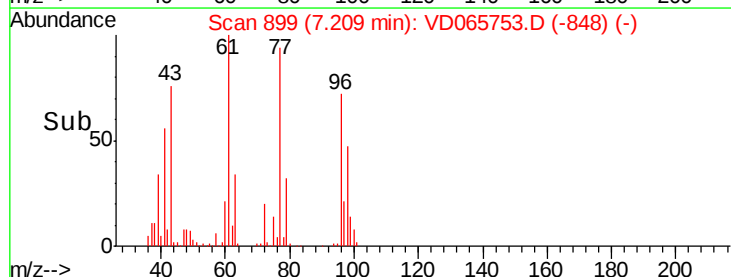
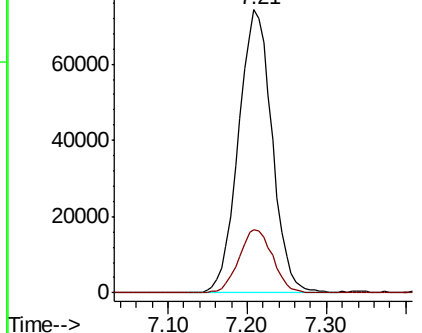
77 100

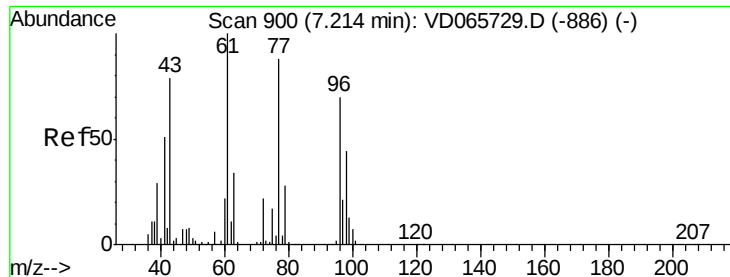
97 22.6 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



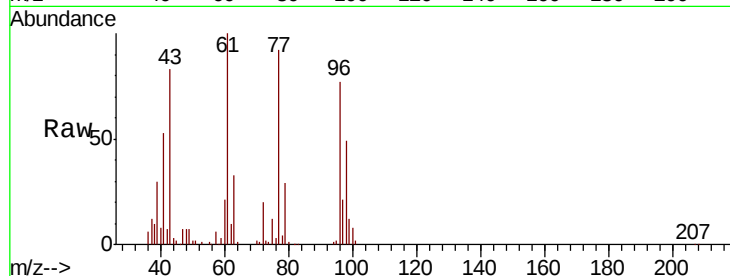


#27

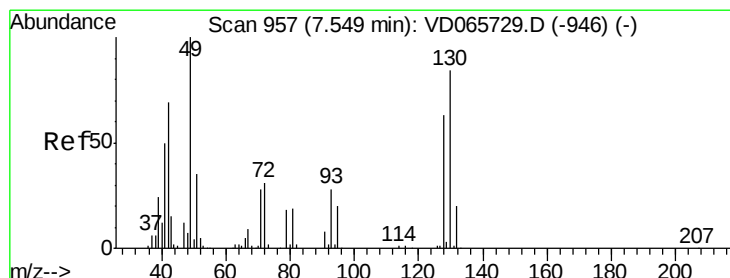
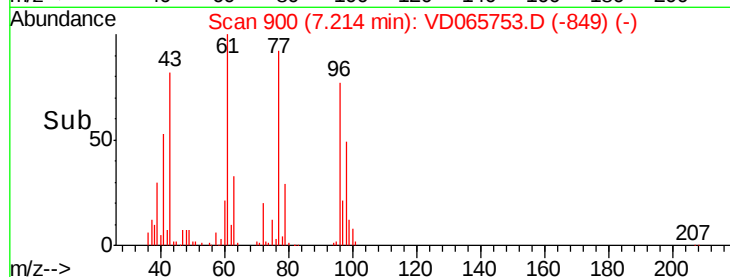
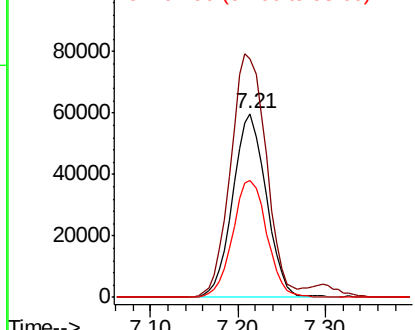
cis-1,2-Dichloroethene
 Concen: 47.326 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	96	Resp	155656
Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	288.0
98	64.5	0.0	127.8



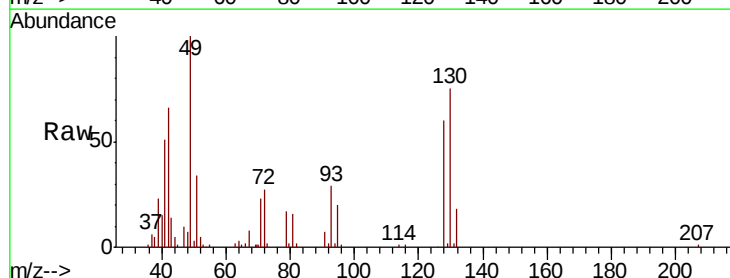
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



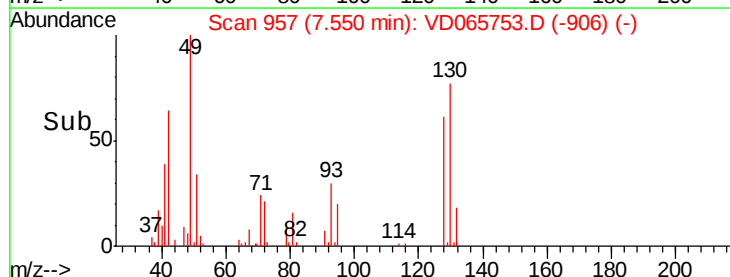
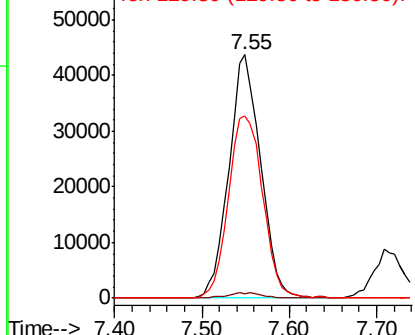
#28

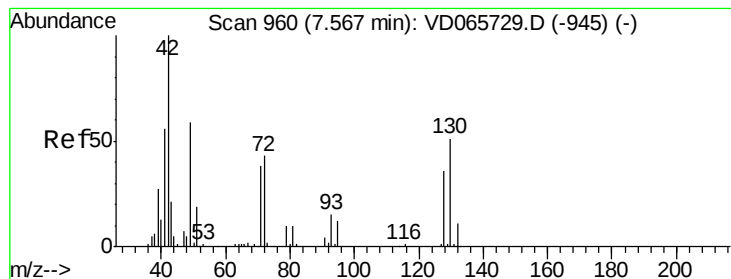
Bromochloromethane
 Concen: 52.237 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Tgt Ion	49	Resp	107902
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	80.9	65.2	97.8



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





#29

Tetrahydrofuran

Concen: 220.833 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

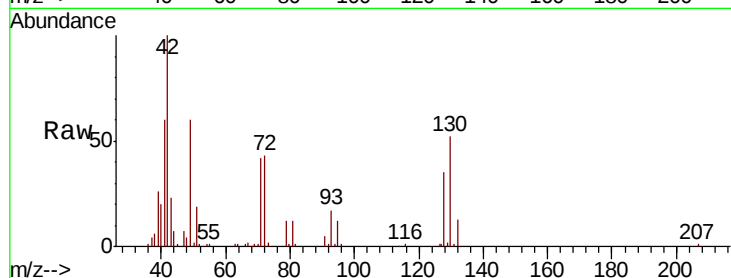
Tot Ion: 42 Resp: 105092

Ion Ratio Lower Upper

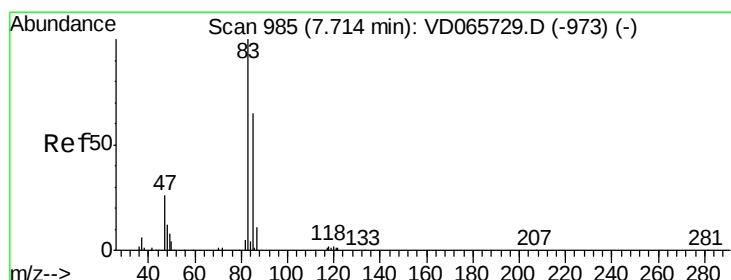
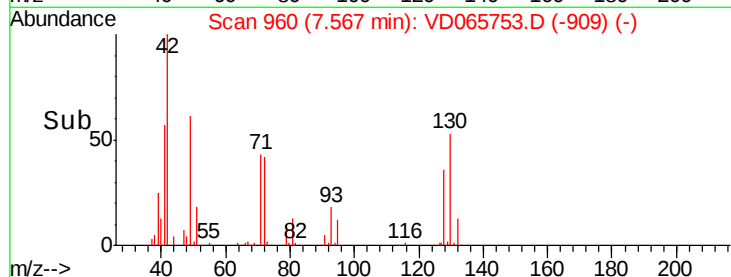
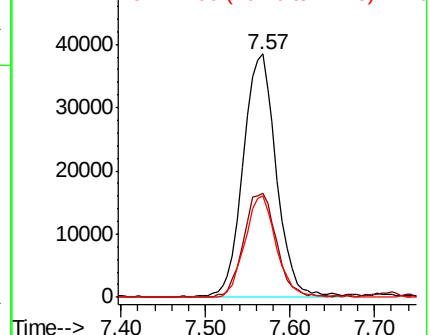
42 100

72 42.5 33.5 50.3

71 39.2 31.8 47.6



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



#30

Chloroform

Concen: 47.980 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065753.D

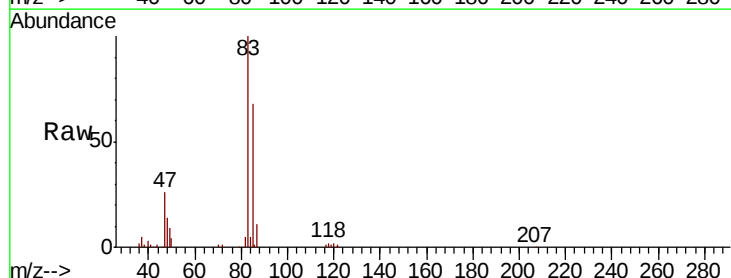
Acq: 15 May 2020 15:29

Tgt Ion: 83 Resp: 243619

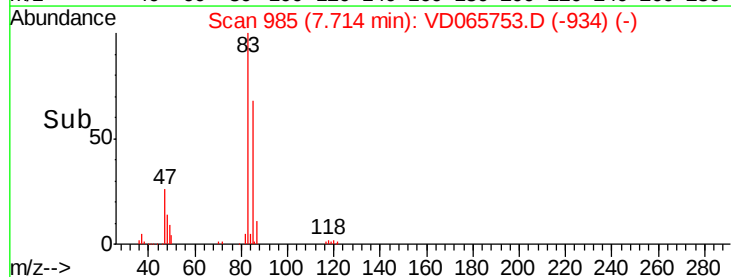
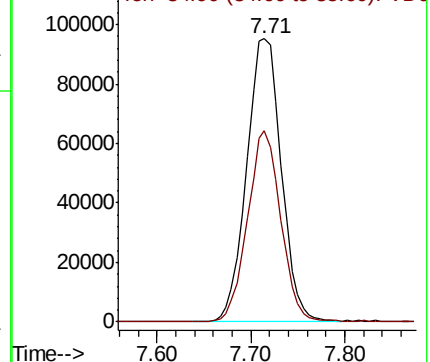
Ion Ratio Lower Upper

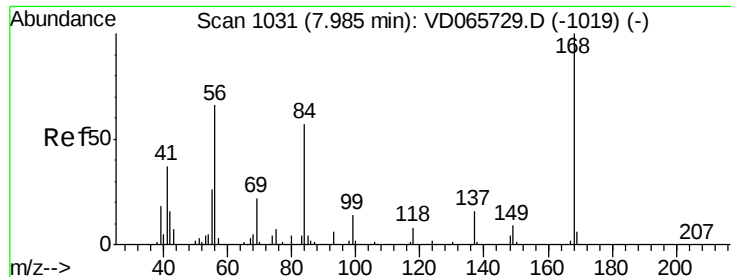
83 100

85 67.8 52.2 78.2



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

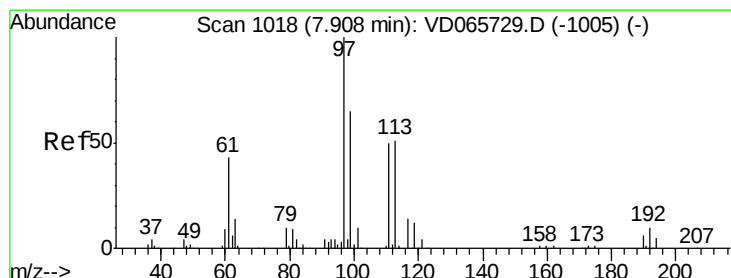
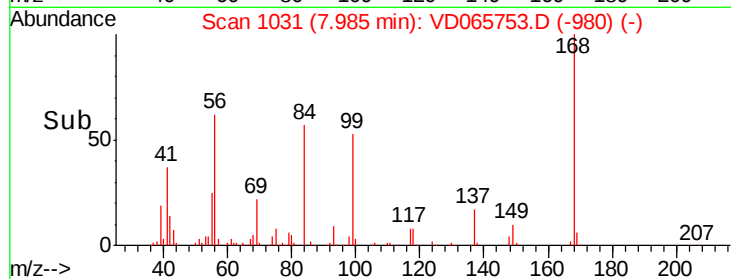
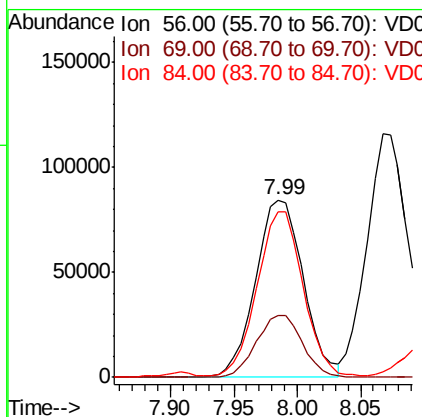
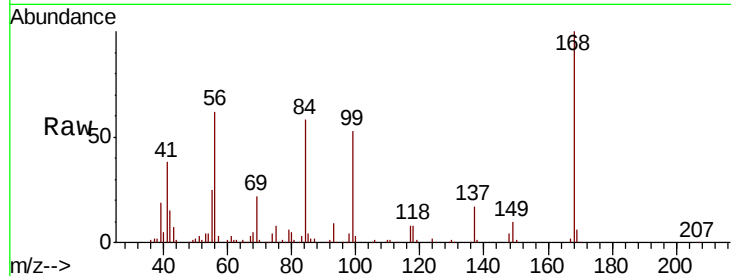




#31
Cyclohexane
Concen: 43.599 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

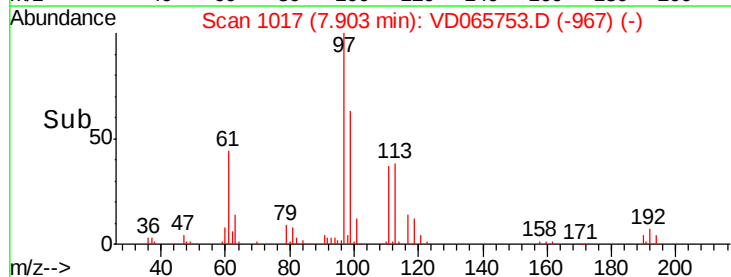
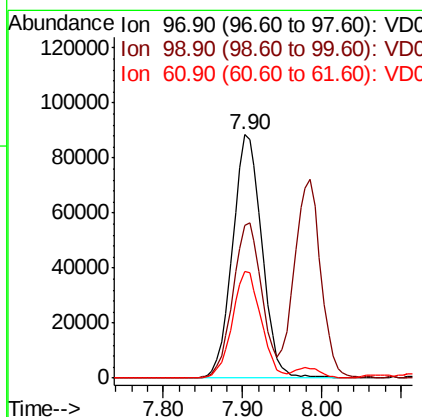
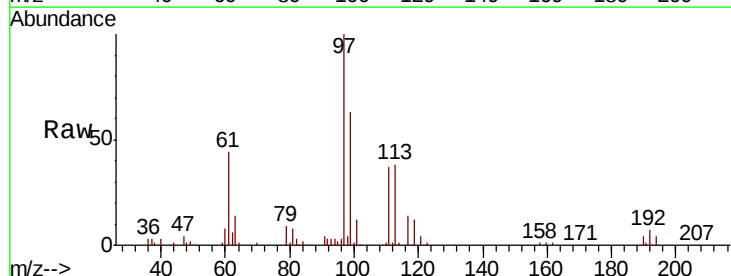
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

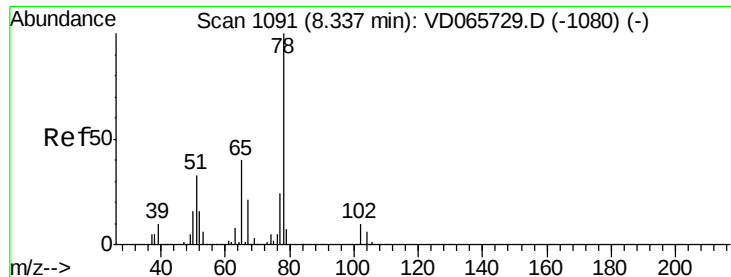
Tot Ion: 56 Resp: 221731
Ion Ratio Lower Upper
56 100
69 35.0 25.9 38.9
84 91.1 69.1 103.7



#32
1,1,1-Trichloroethane
Concen: 47.633 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion: 97 Resp: 226563
Ion Ratio Lower Upper
97 100
99 62.9 50.5 75.7
61 43.1 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 49.849 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

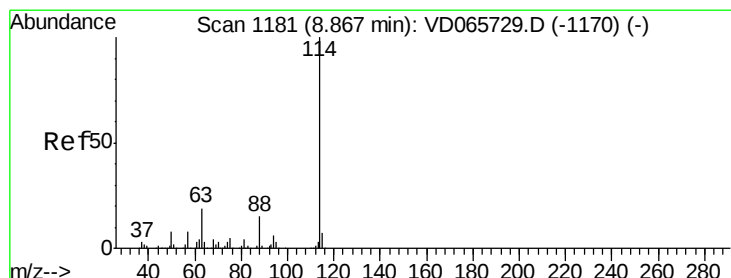
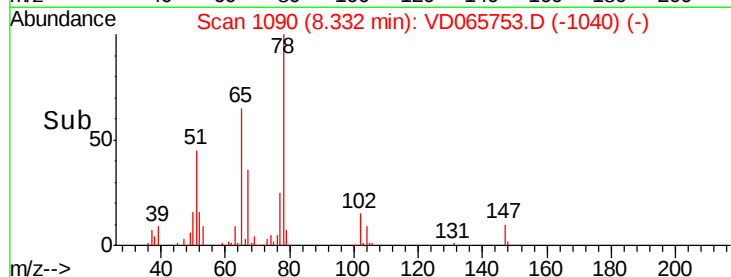
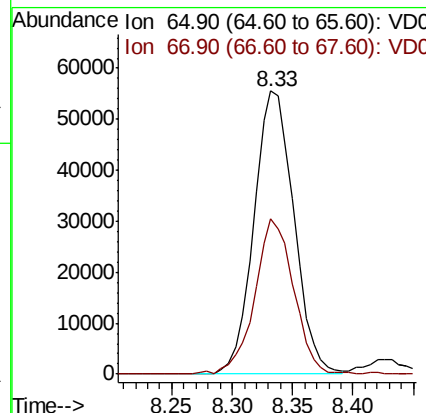
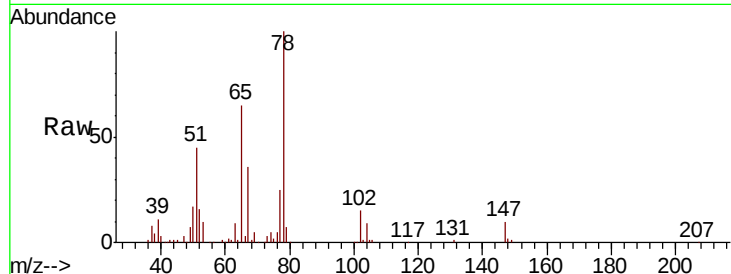
VSTDCCC050EC

Tot Ion: 65 Resp: 127608

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

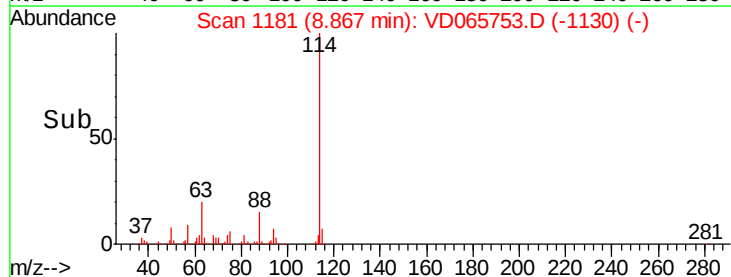
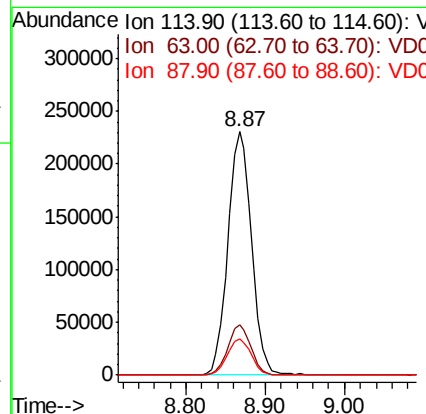
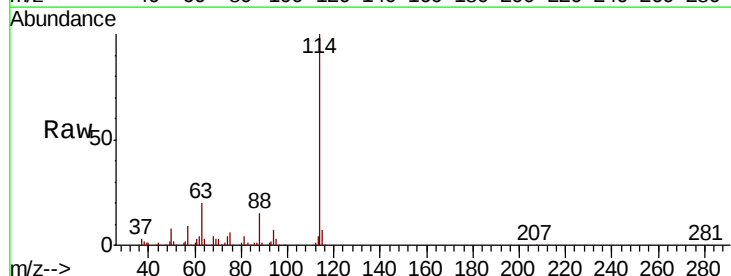
Tgt Ion: 114 Resp: 475746

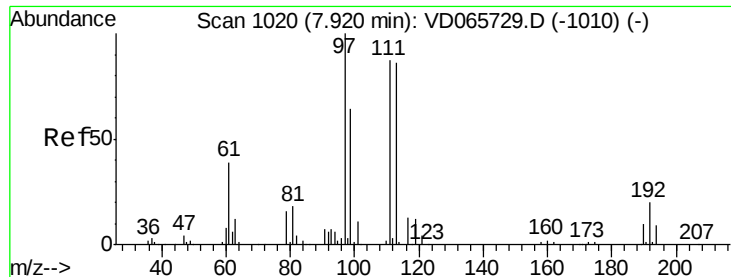
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.2

88 14.7 0.0 30.2

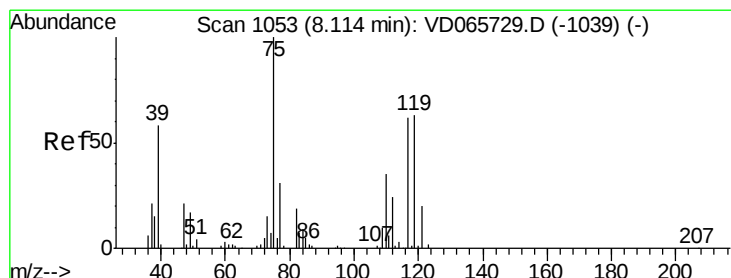
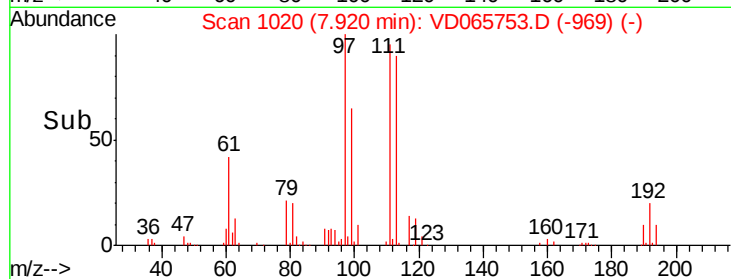
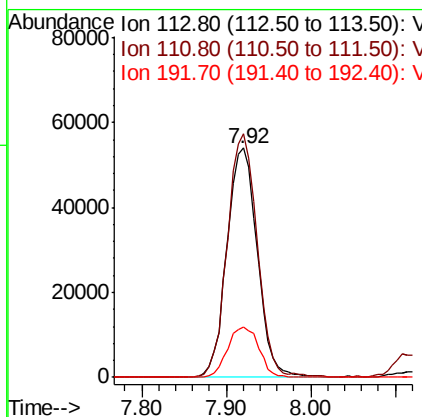
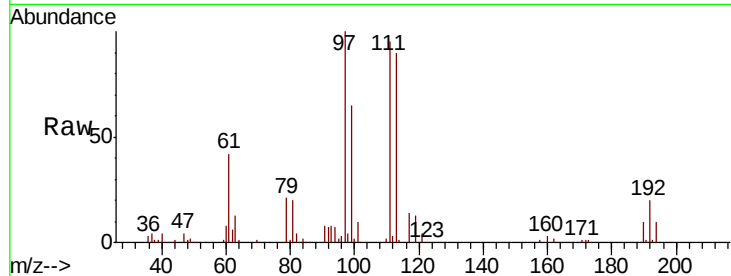




#35
 Dibromofluoromethane
 Concen: 49.714 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

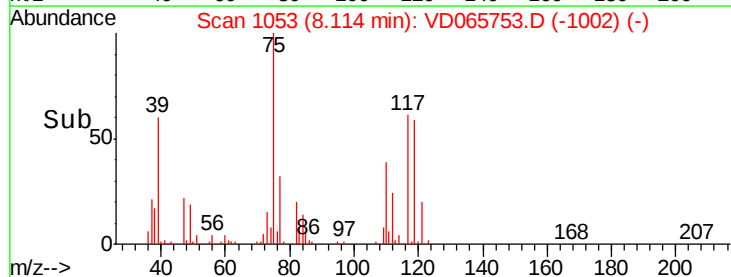
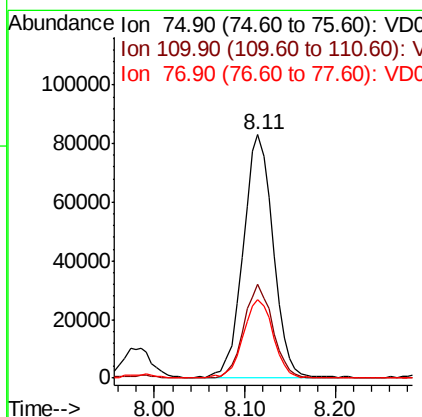
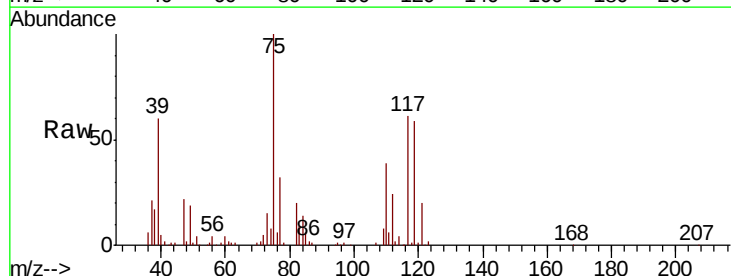
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

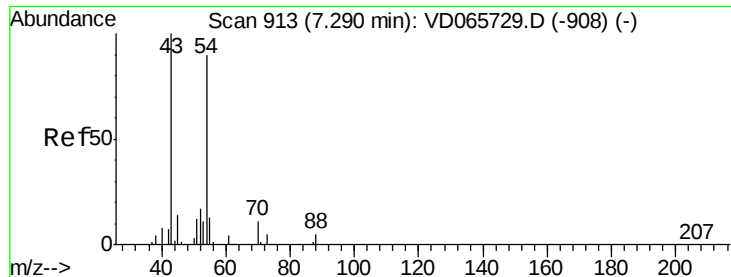
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	22.3	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 46.292 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.4	55.2
77	32.3	24.6	37.0

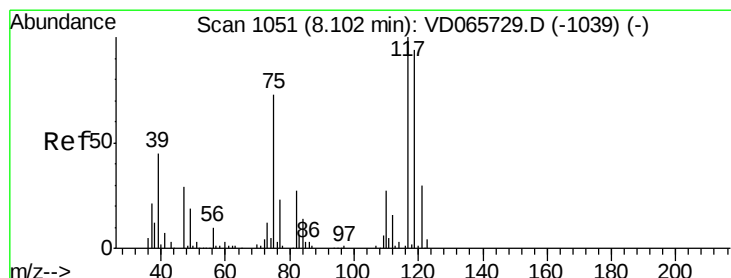
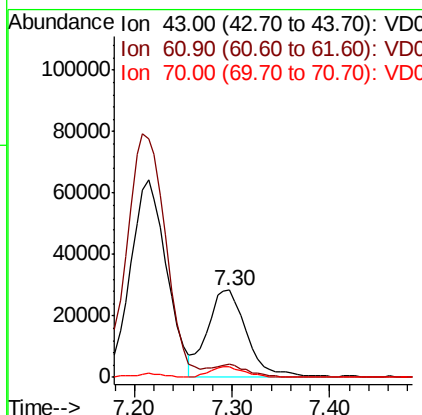
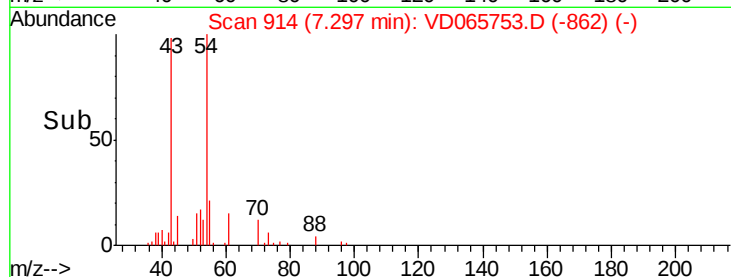
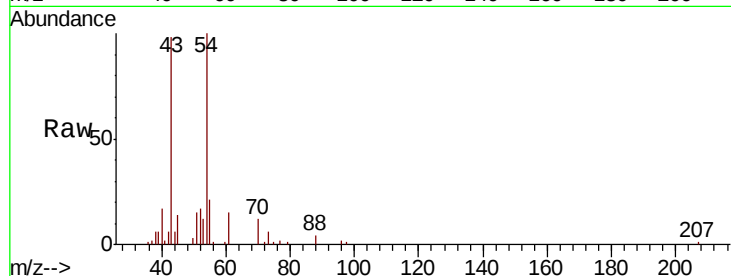




#37
Ethyl Acetate
Concen: 43.928 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

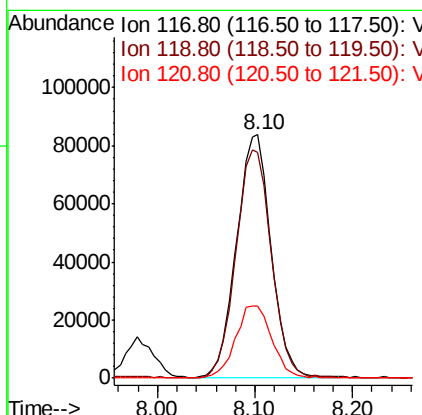
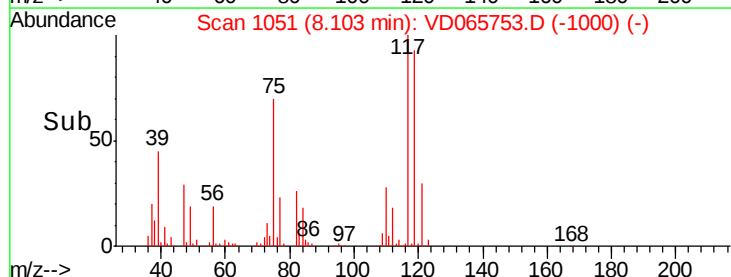
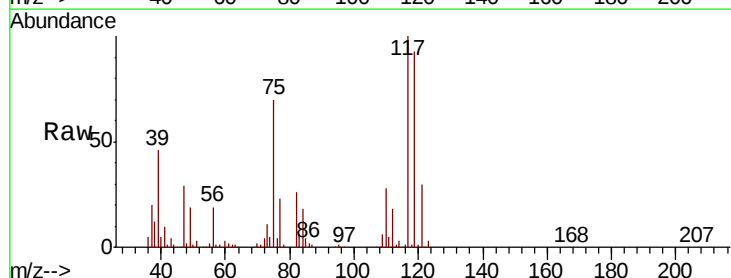
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

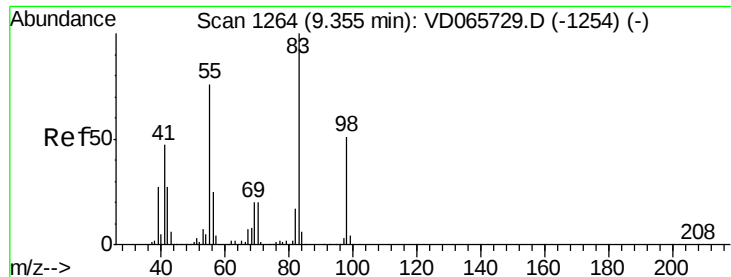
Tot Ion: 43 Resp: 77752
Ion Ratio Lower Upper
43 100
61 11.8 9.8 14.6
70 10.9 8.6 12.8



#38
Carbon Tetrachloride
Concen: 47.201 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion: 117 Resp: 206839
Ion Ratio Lower Upper
117 100
119 92.8 75.6 113.4
121 29.9 24.4 36.6

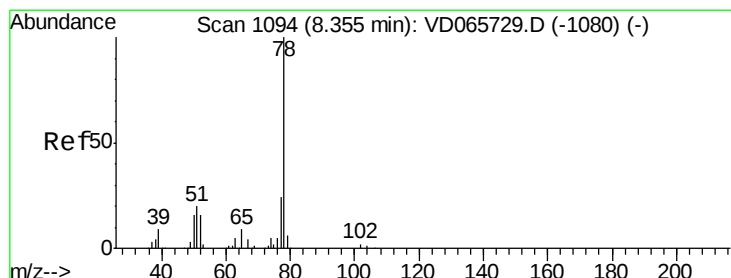
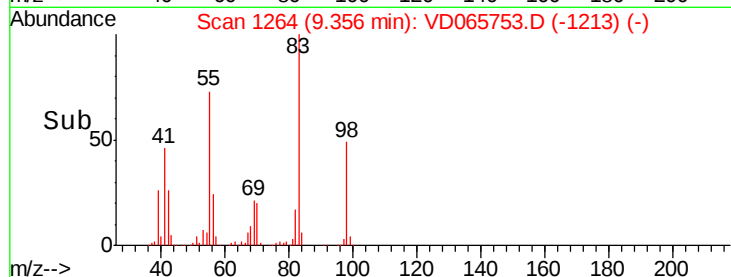
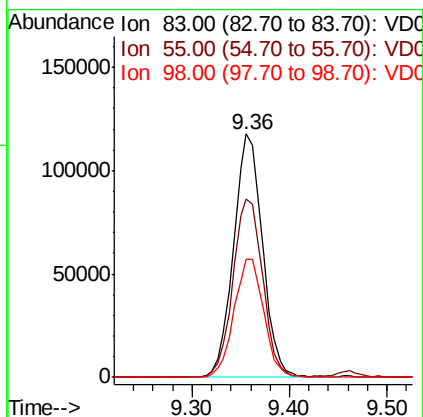
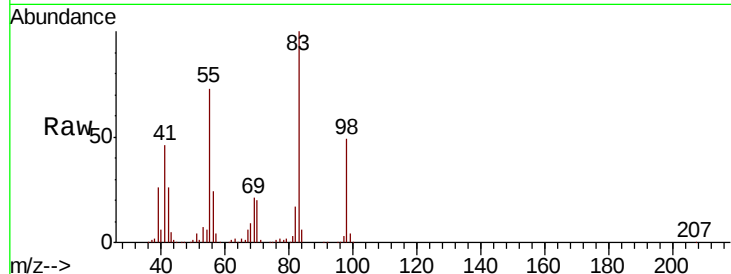




#39
Methvlcvclohexane
Concen: 45.917 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

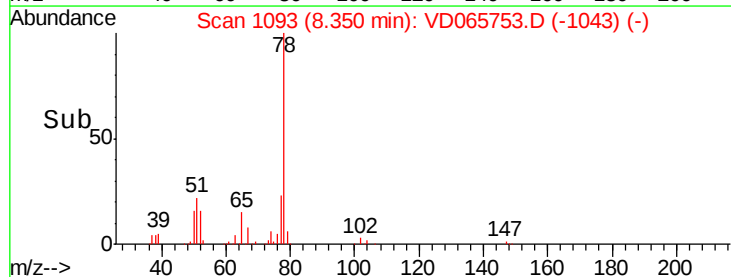
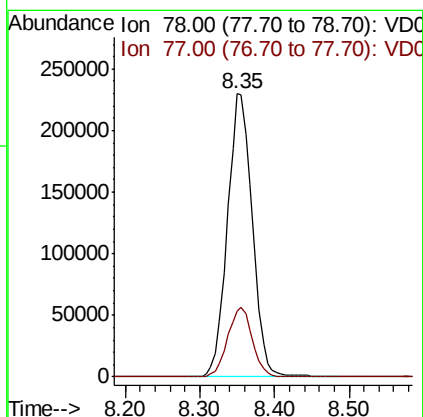
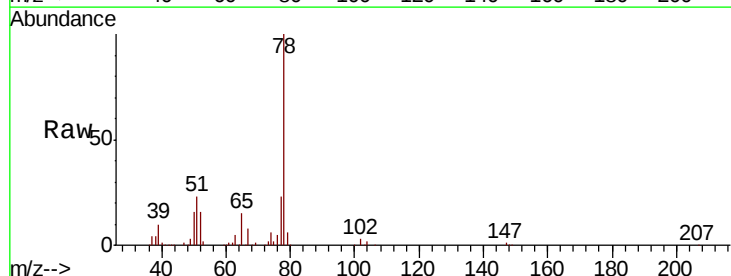
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

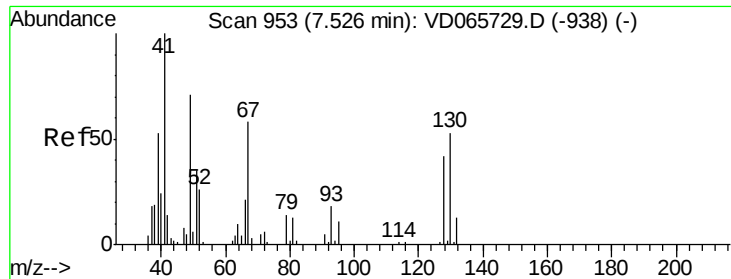
Tot Ion: 83 Resp: 243124
Ion Ratio Lower Upper
83 100
55 73.1 60.9 91.3
98 48.7 40.6 61.0



#40
Benzene
Concen: 46.874 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion: 78 Resp: 532537
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

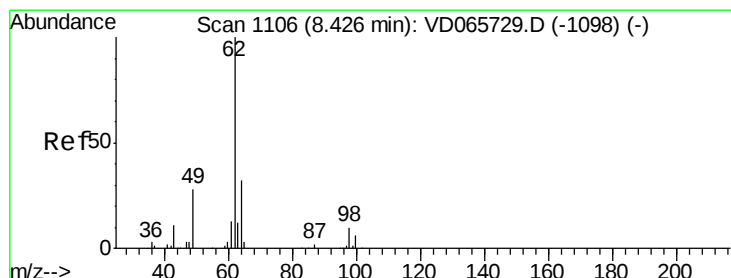
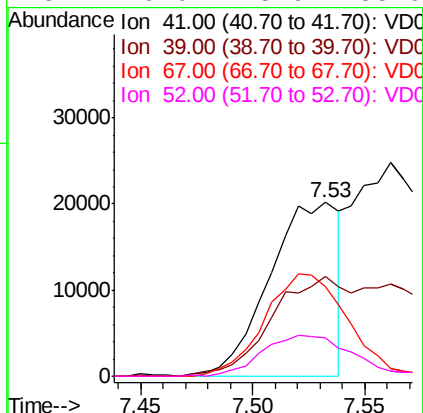
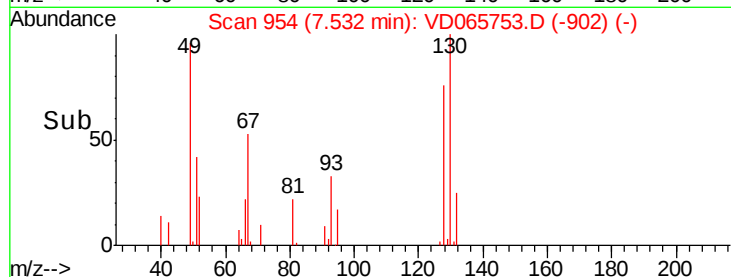
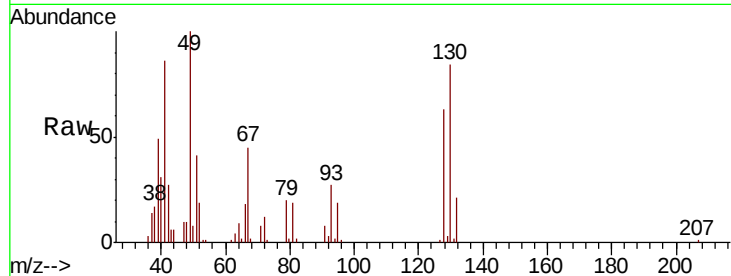




#41
Methacrylonitrile
Concen: 44.801 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

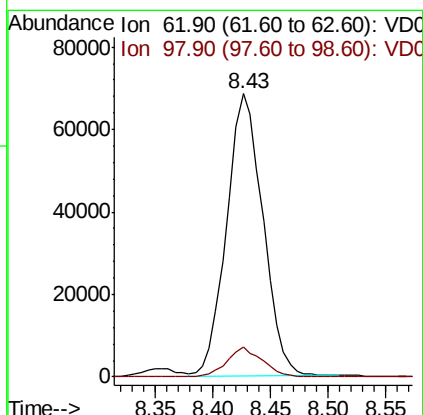
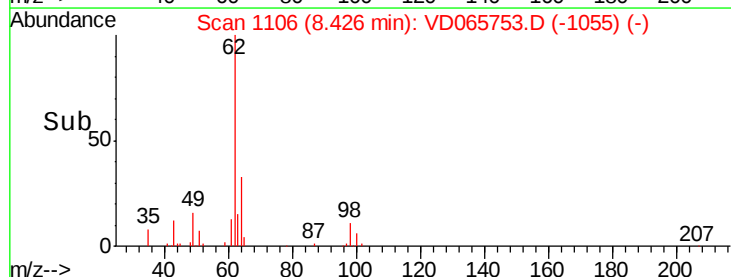
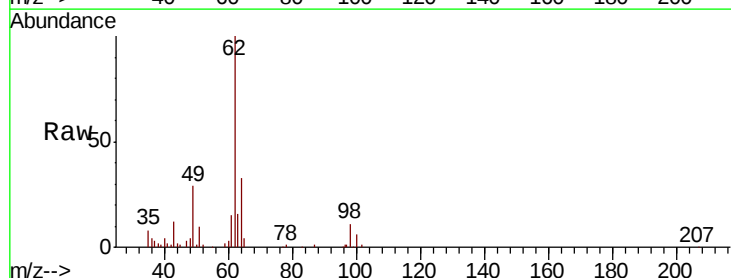
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

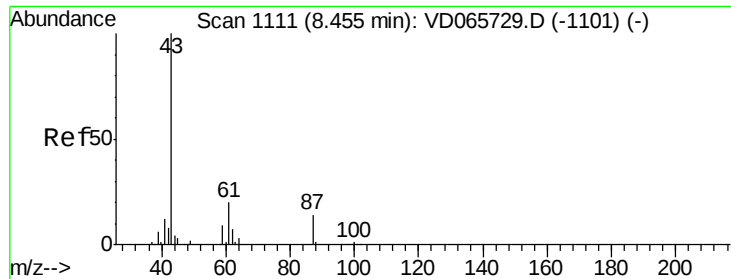
Tot Ion: 41 Resp: 43672
Ion Ratio Lower Upper
41 100
39 0.0 56.8 85.2#
67 0.0 57.9 86.9#
52 0.0 25.9 38.9#



#42
1,2-Dichloroethane
Concen: 47.306 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion: 62 Resp: 149644
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.6





#43

Isopropyl Acetate

Concen: 44.808 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

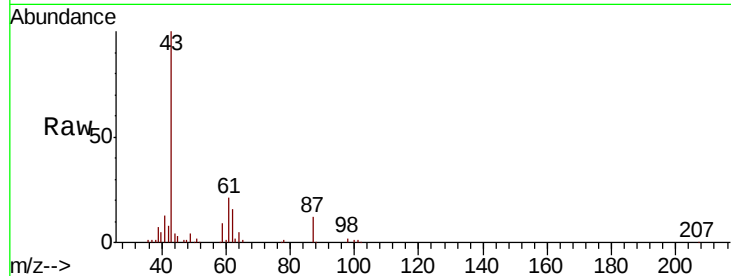
Tot Ion: 43 Resp: 157196

Ion Ratio Lower Upper

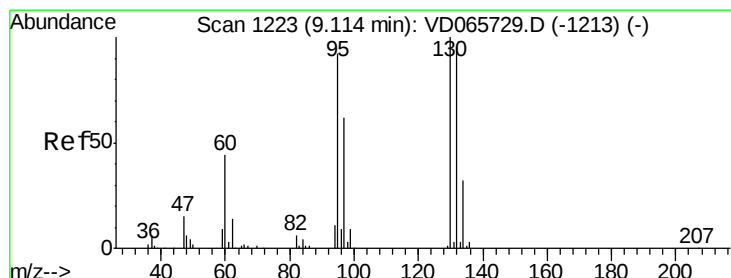
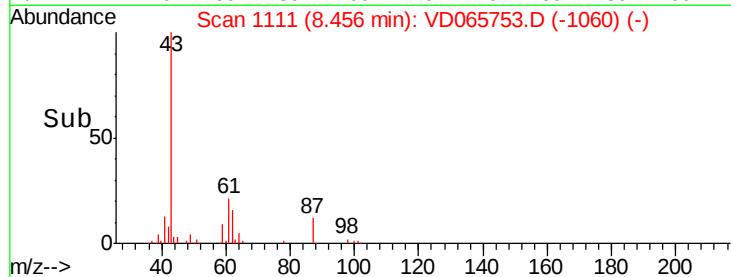
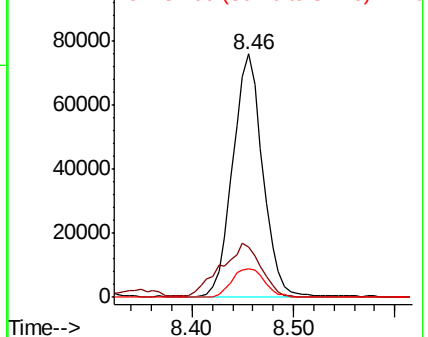
43 100

61 29.2 23.8 35.6

87 12.8 10.5 15.7



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: 45.528 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065753.D

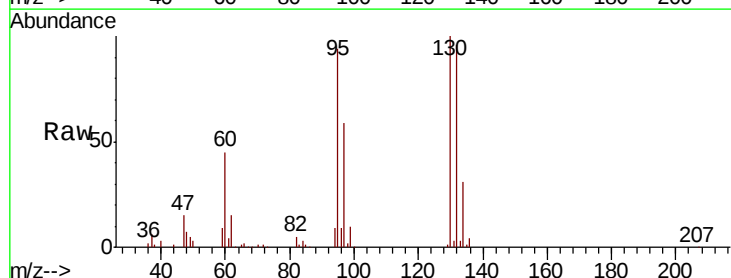
Acq: 15 May 2020 15:29

Tgt Ion: 130 Resp: 154852

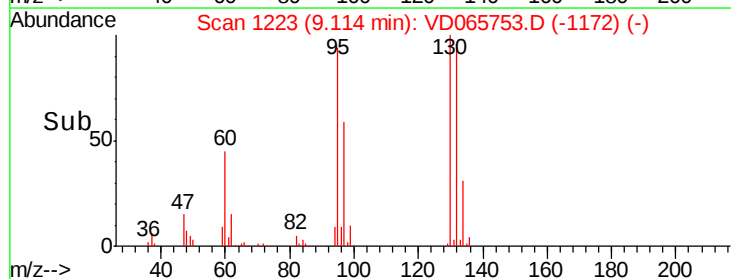
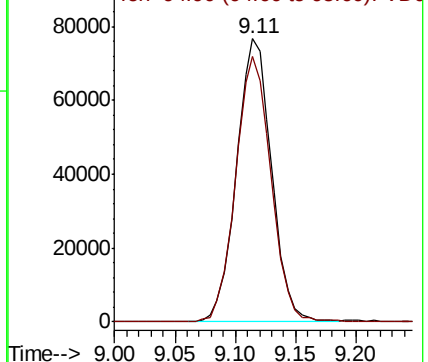
Ion Ratio Lower Upper

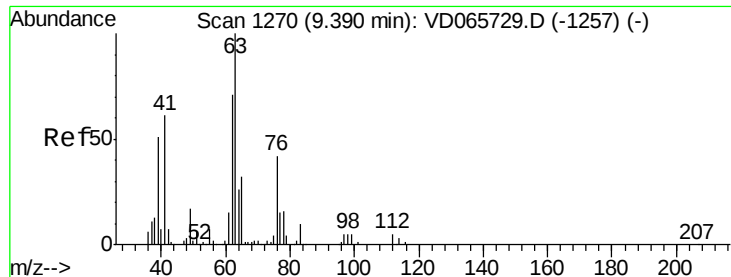
130 100

95 93.7 0.0 183.6



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





#45

1,2-Dichloropropane

Concen: 47.336 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

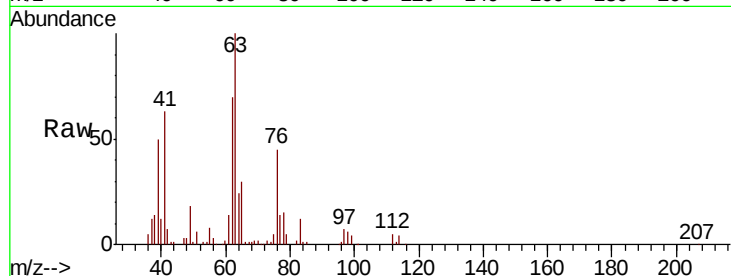
VSTDCCC050EC

Tot Ion: 63 Resp: 132594

Ion Ratio Lower Upper

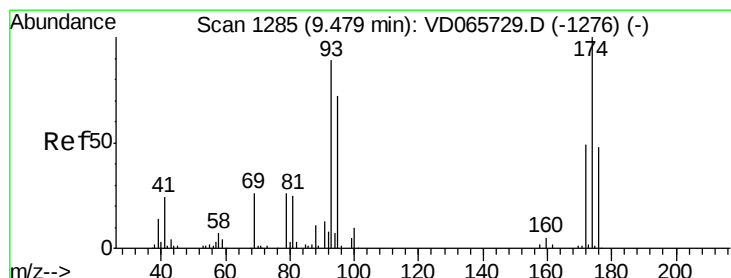
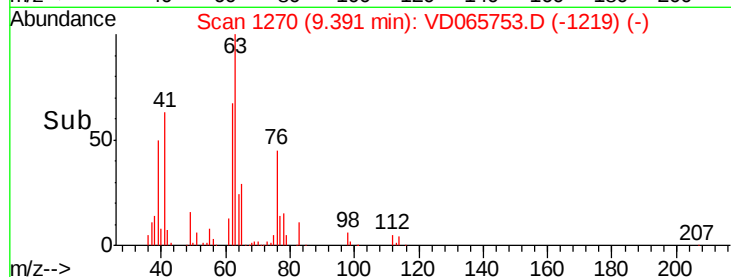
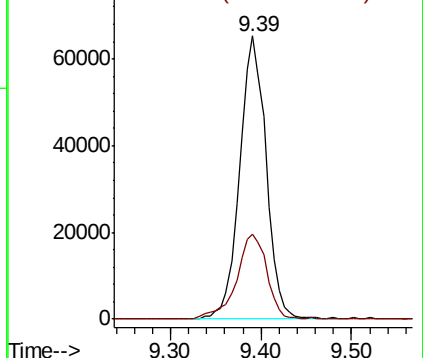
63 100

65 30.2 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.109 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

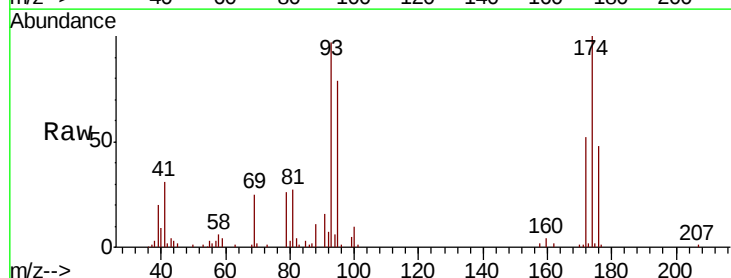
Tgt Ion: 93 Resp: 71155

Ion Ratio Lower Upper

93 100

95 82.4 65.4 98.2

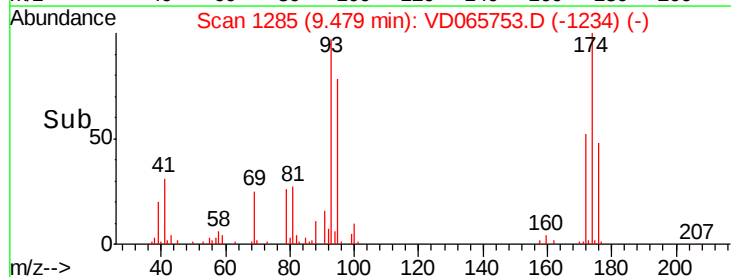
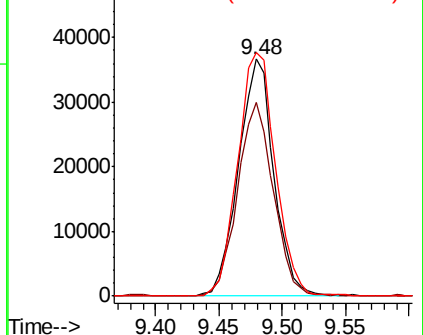
174 109.0 89.9 134.9

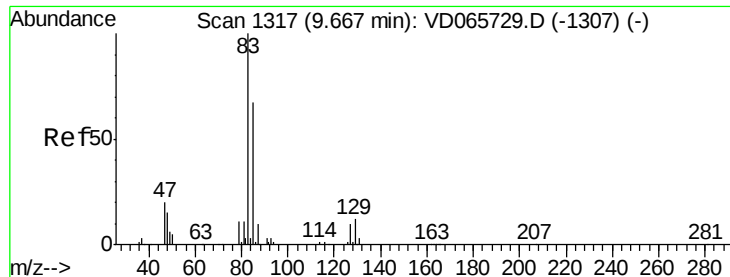


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.780 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

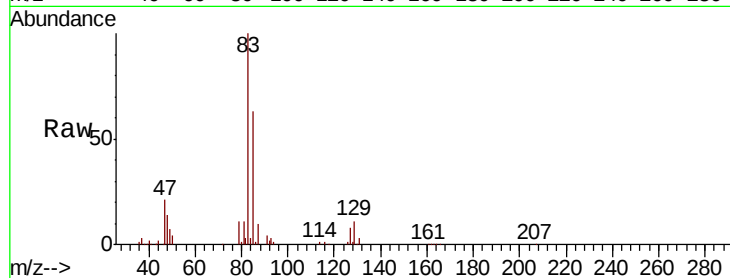
Tot Ion: 83 Resp: 188901

Ion Ratio Lower Upper

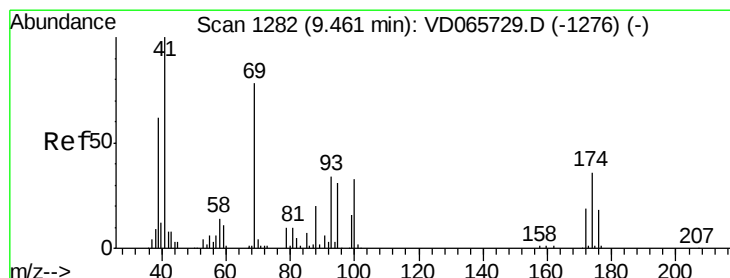
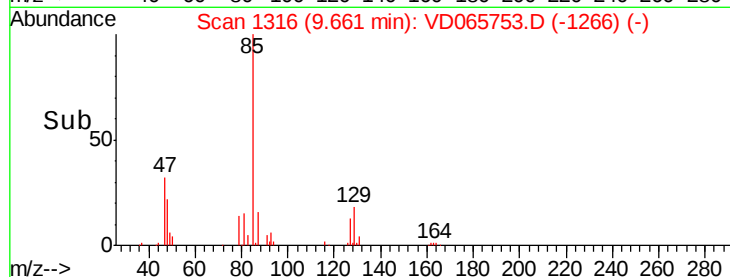
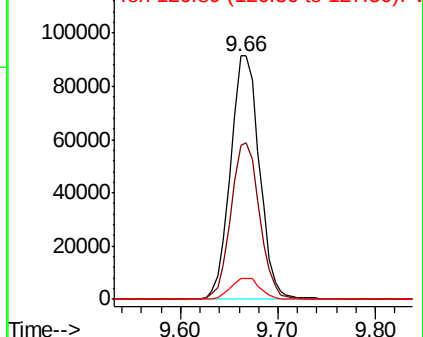
83 100

85 63.1 53.6 80.4

127 8.3 7.7 11.5



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



#48

Methyl methacrylate

Concen: 46.736 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

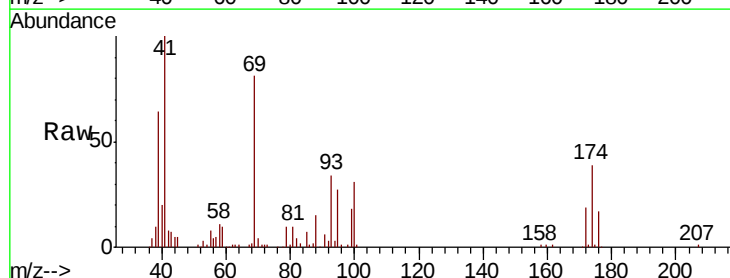
Tgt Ion: 41 Resp: 76963

Ion Ratio Lower Upper

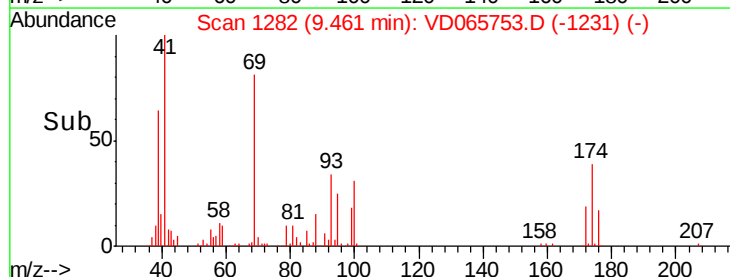
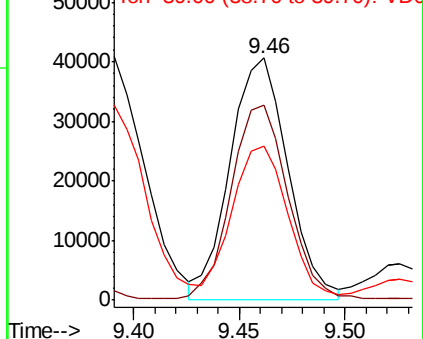
41 100

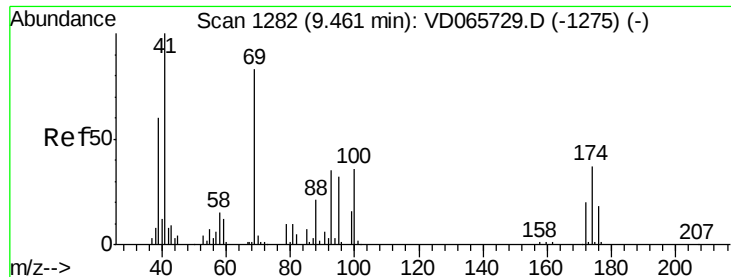
69 79.1 64.4 96.6

39 57.9 46.7 70.1



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

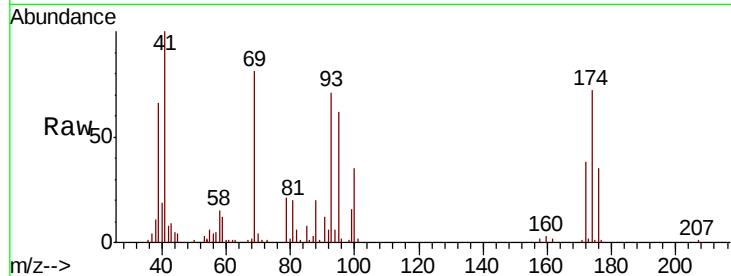




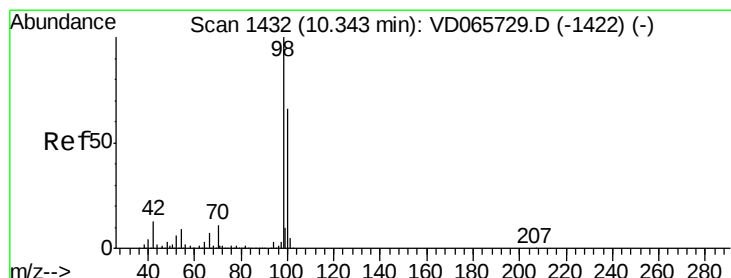
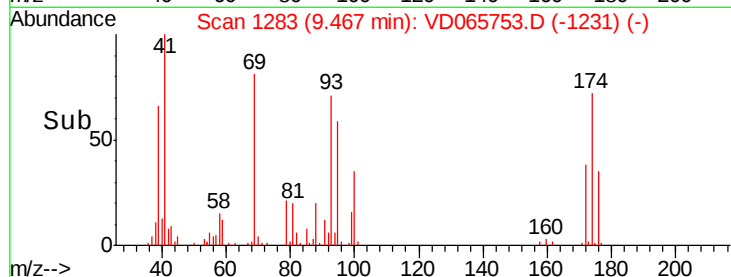
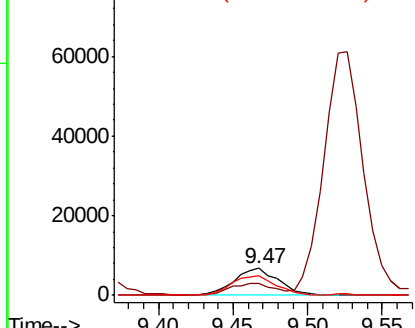
#49
1,4-Dioxane
Concen: 769.799 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 13719
Ion Ratio Lower Upper
88 100
43 44.7 29.4 44.0#
58 75.2 55.1 82.7

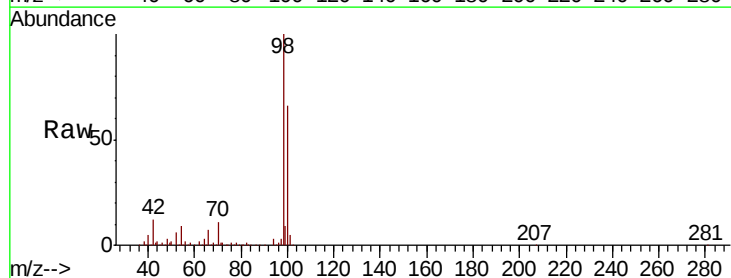


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

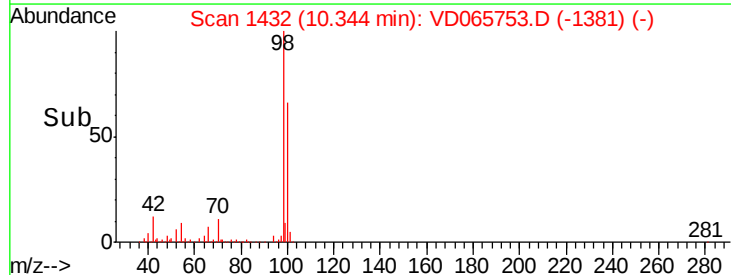
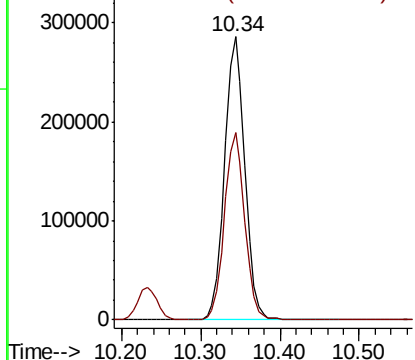


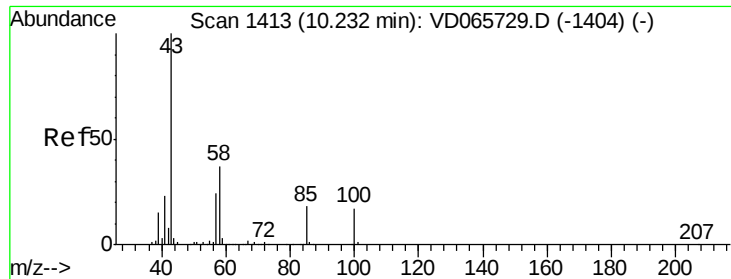
#50
Toluene-d8
Concen: 49.127 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion: 98 Resp: 504097
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7



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: 225.330 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

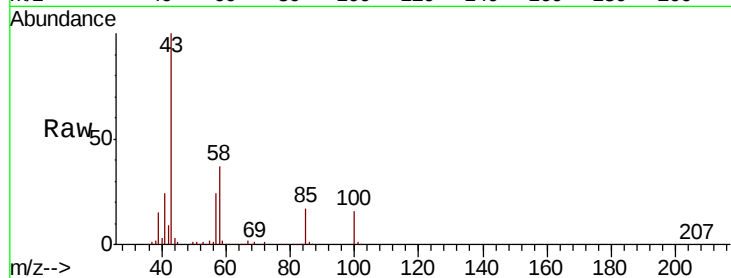
VSTDCCC050EC

Tot Ion: 43 Resp: 378295

Ion Ratio Lower Upper

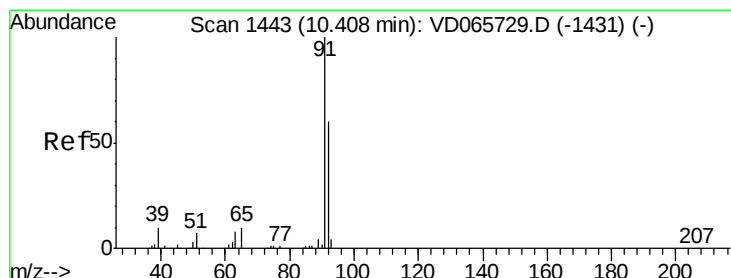
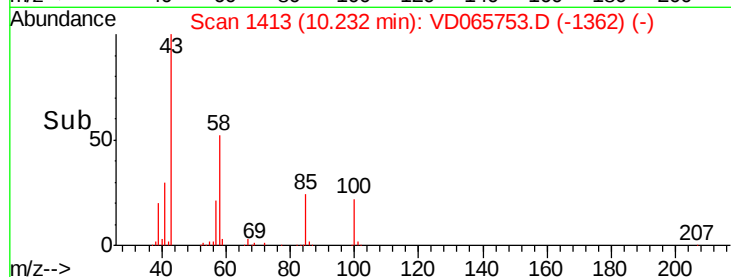
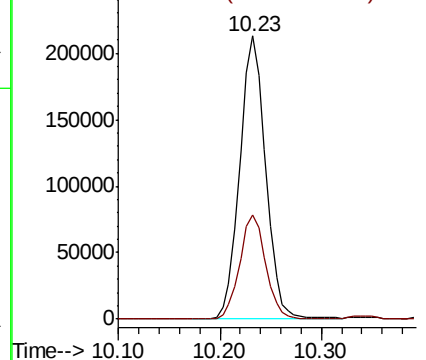
43 100

58 37.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 47.134 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065753.D

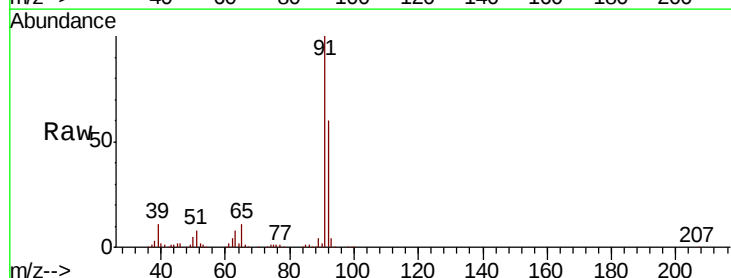
Acq: 15 May 2020 15:29

Tgt Ion: 92 Resp: 350813

Ion Ratio Lower Upper

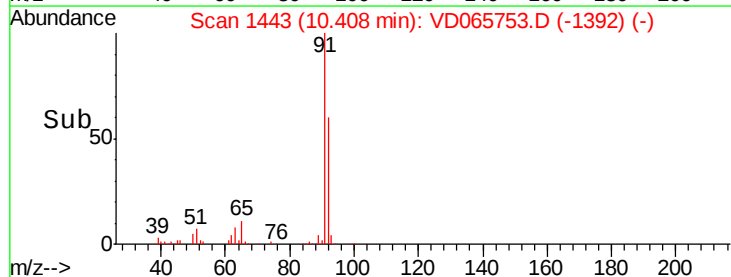
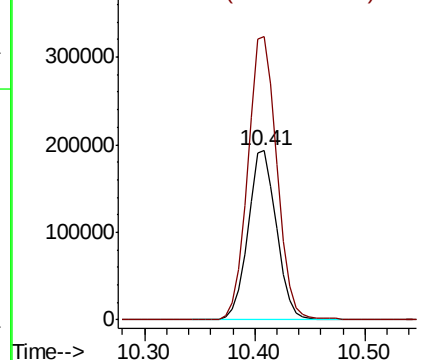
92 100

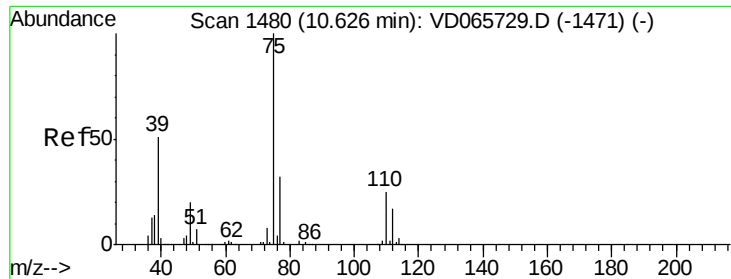
91 170.9 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 46.299 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

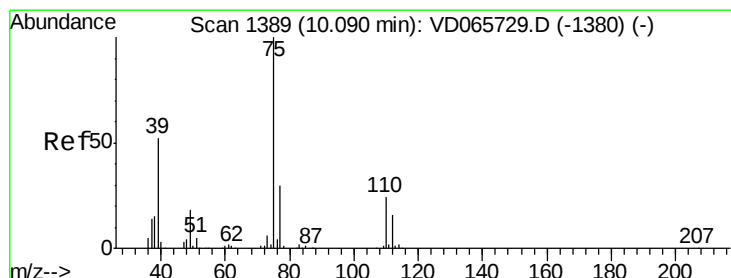
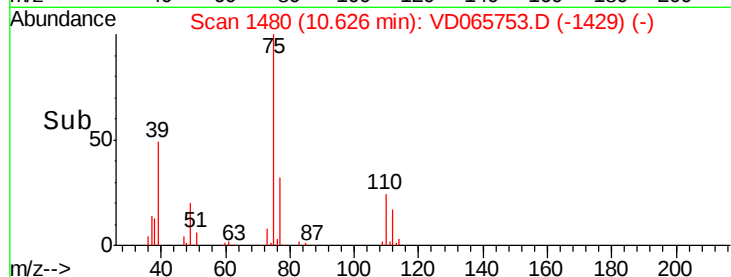
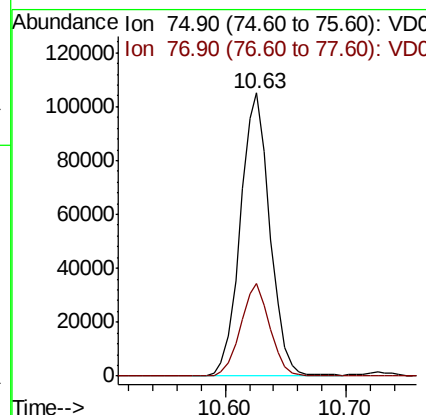
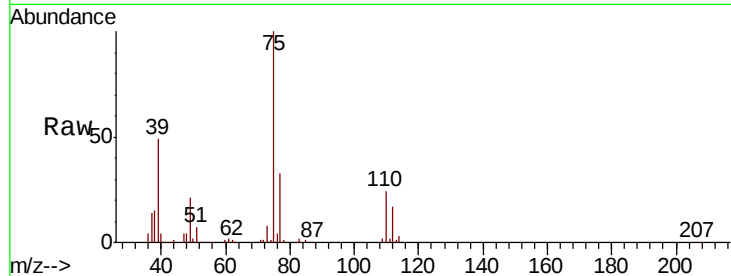
VSTDCCC050EC

Tot Ion: 75 Resp: 178825

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 47.906 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

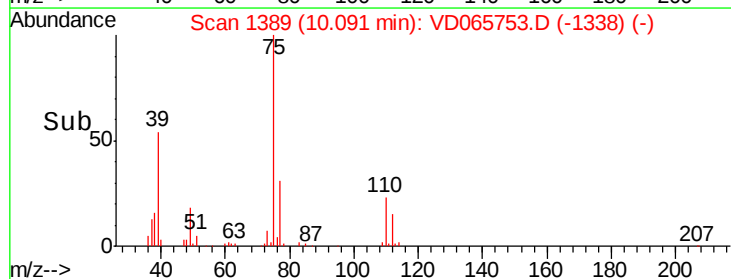
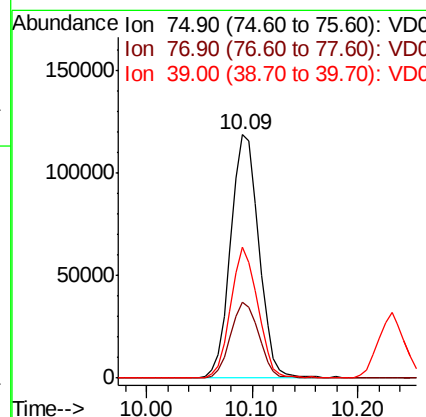
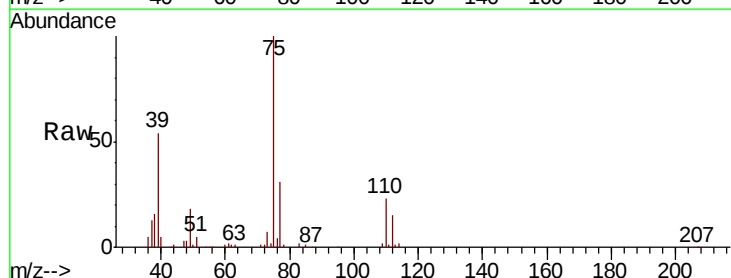
Tgt Ion: 75 Resp: 220087

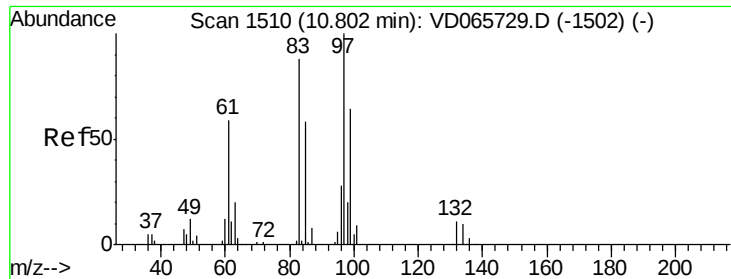
Ion Ratio Lower Upper

75 100

77 31.2 23.8 35.6

39 53.6 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 47.203 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 97126

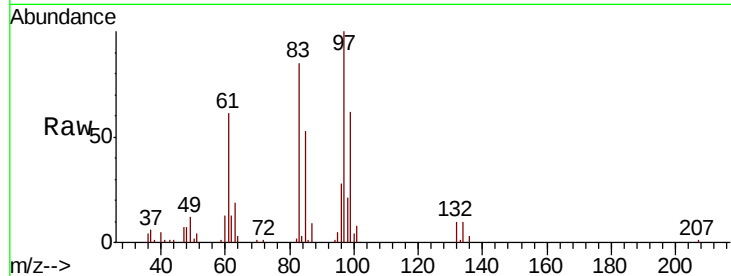
Ion Ratio Lower Upper

97 100

83 85.1 70.7 106.1

85 52.5 46.8 70.2

99 61.9 50.9 76.3

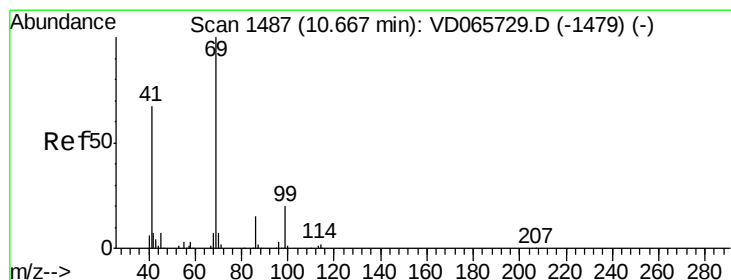
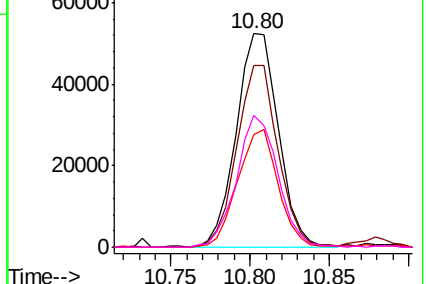
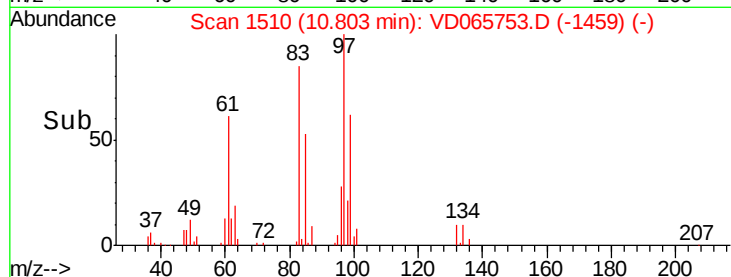


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 46.346 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

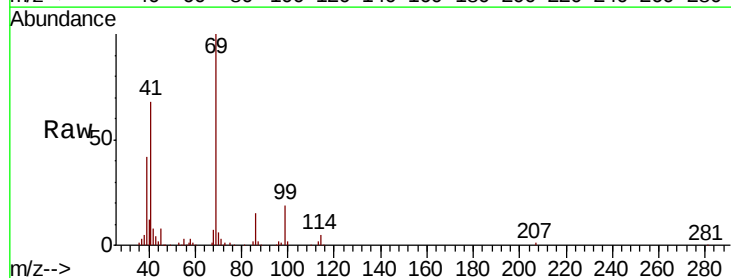
Tgt Ion: 69 Resp: 124290

Ion Ratio Lower Upper

69 100

41 68.7 55.7 83.5

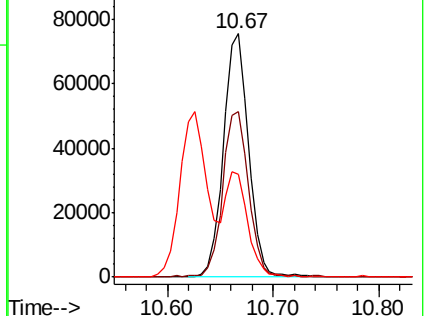
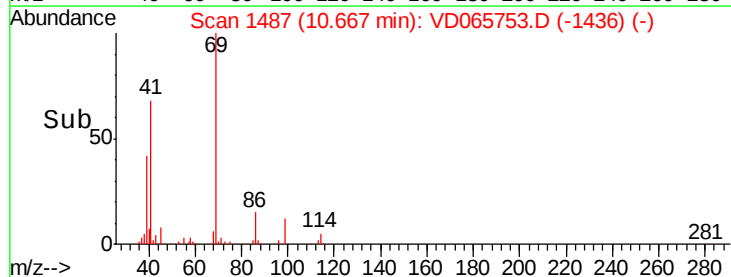
39 37.6 28.6 43.0

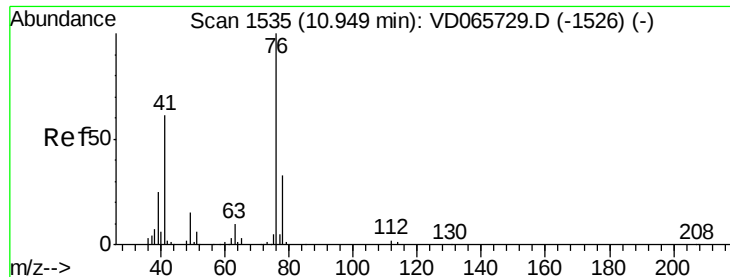


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 46.293 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

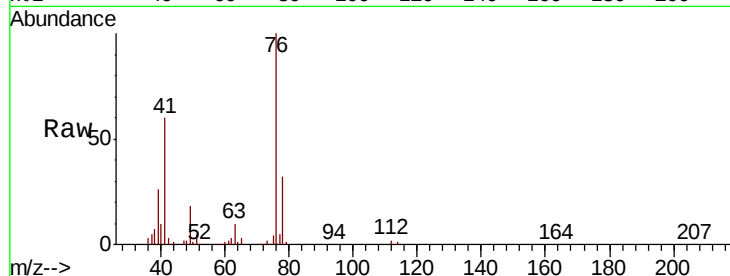
VSTDCCC050EC

Tot Ion: 76 Resp: 165675

Ion Ratio Lower Upper

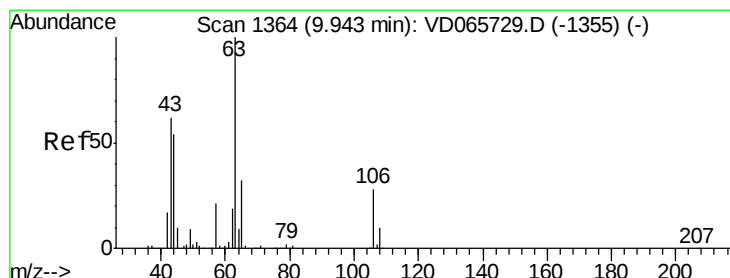
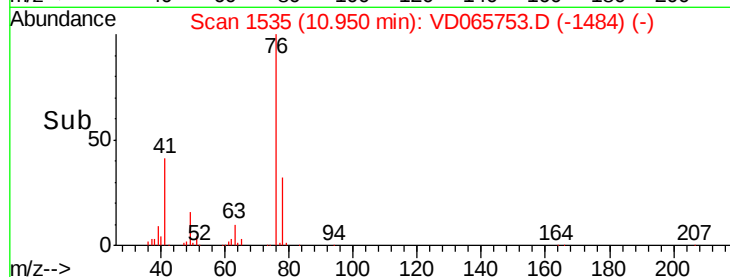
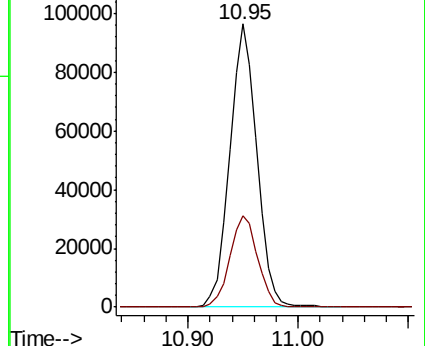
76 100

78 33.2 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 253.114 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065753.D

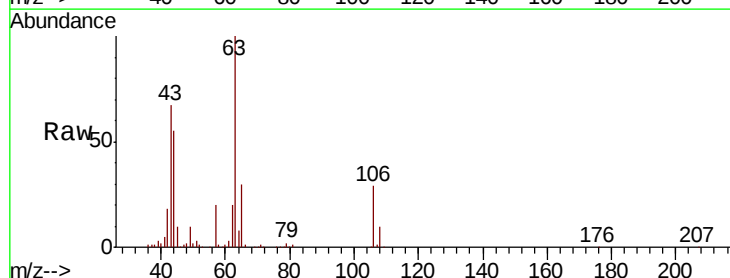
Acq: 15 May 2020 15:29

Tgt Ion: 63 Resp: 315804

Ion Ratio Lower Upper

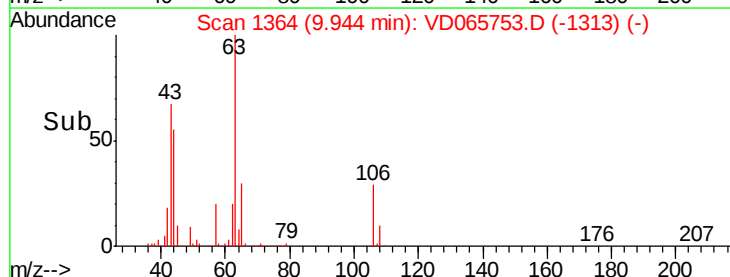
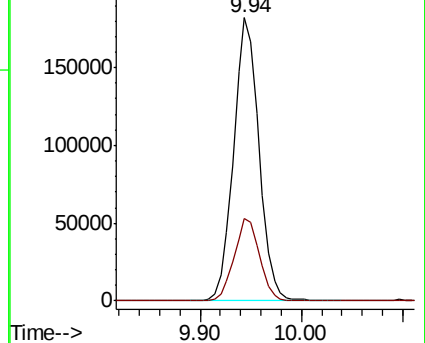
63 100

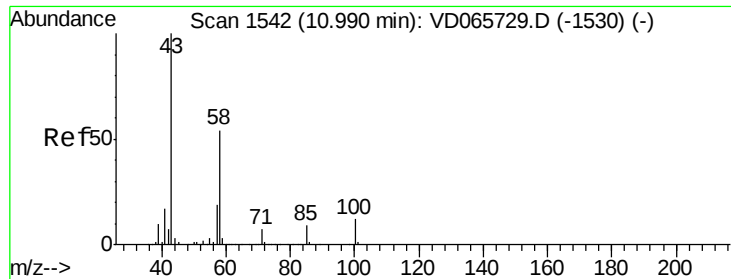
106 29.2 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

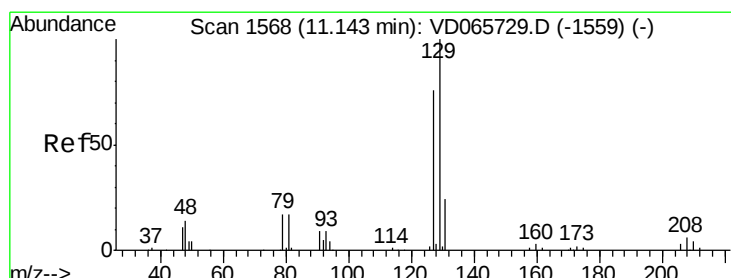
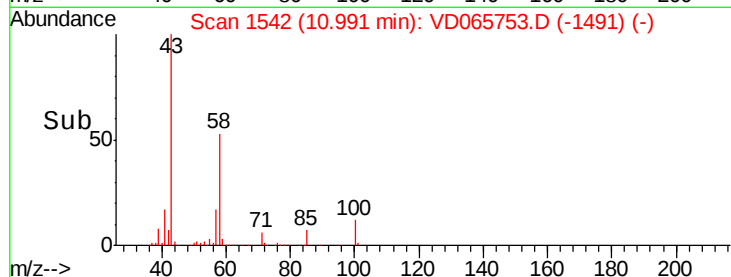
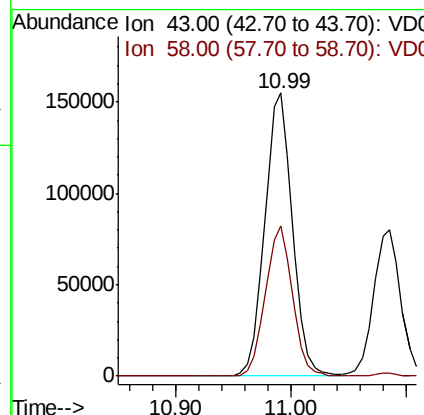
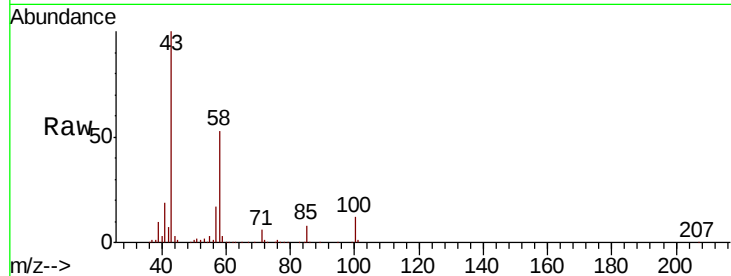




#59
2-Hexanone
Concen: 227.022 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

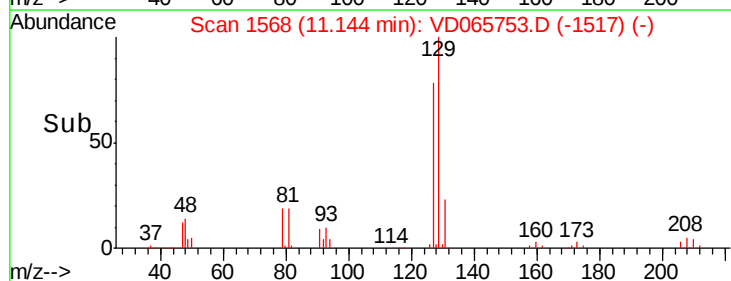
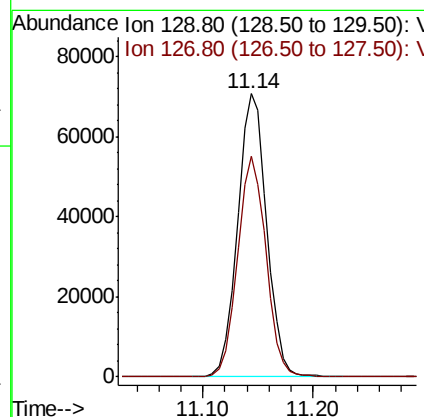
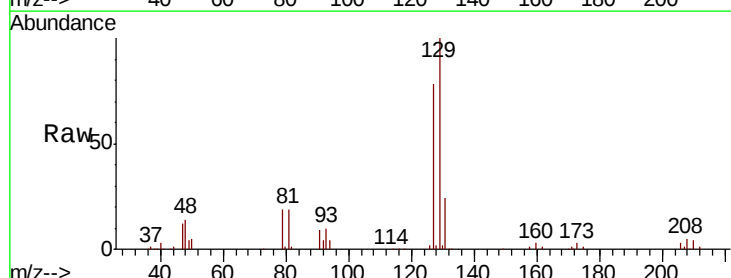
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

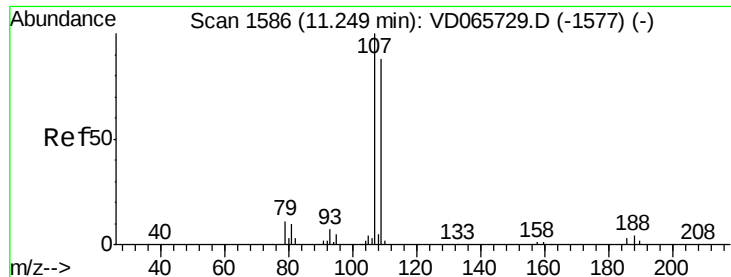
Tot Ion: 43 Resp: 259543
Ion Ratio Lower Upper
43 100
58 52.1 26.7 80.1



#60
Dibromochloromethane
Concen: 47.368 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion: 129 Resp: 130518
Ion Ratio Lower Upper
129 100
127 76.2 38.3 114.9

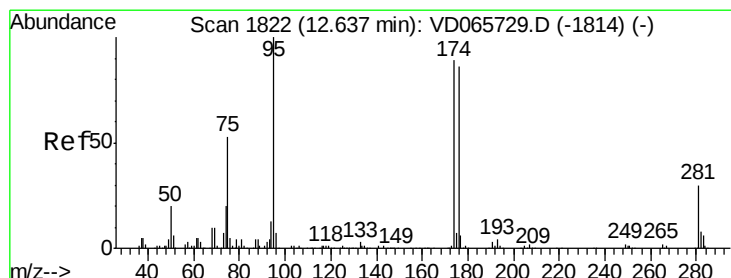
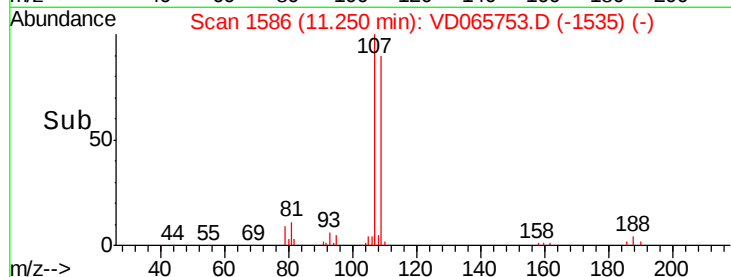
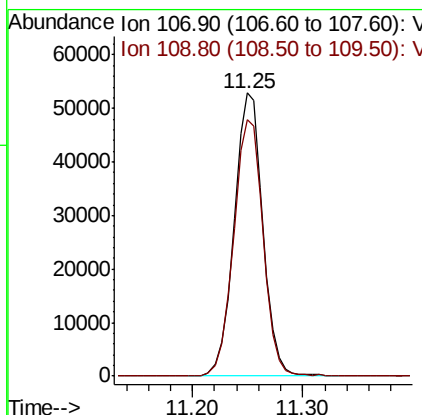
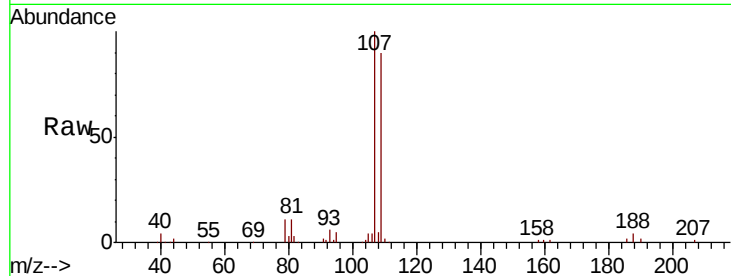




#61
 1,2-Dibromoethane
 Concen: 46.721 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

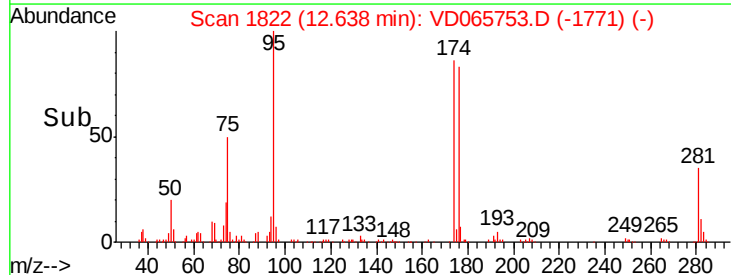
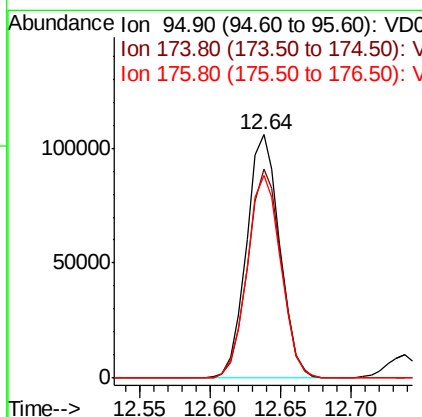
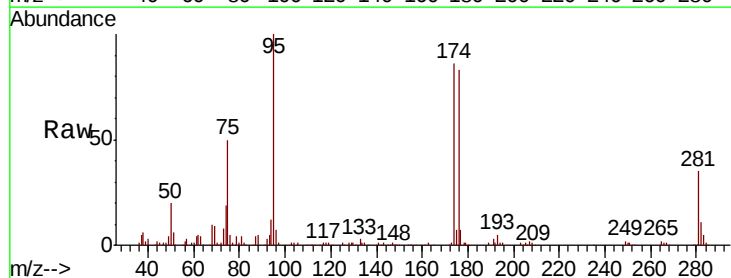
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

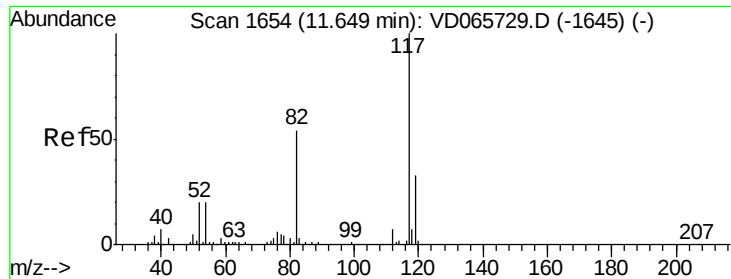
Tot Ion:107 Resp: 96015
 Ion Ratio Lower Upper
 107 100
 109 93.2 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 50.213 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Tgt Ion: 95 Resp: 174490
 Ion Ratio Lower Upper
 95 100
 174 86.7 0.0 179.4
 176 85.1 0.0 174.0

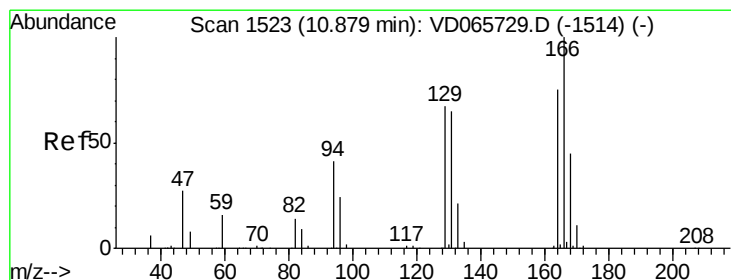
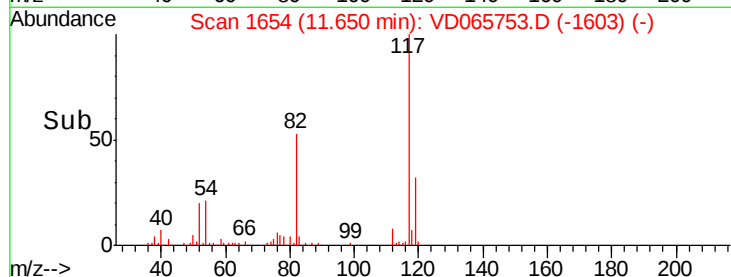
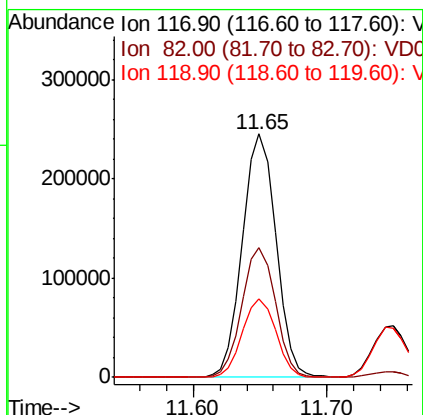
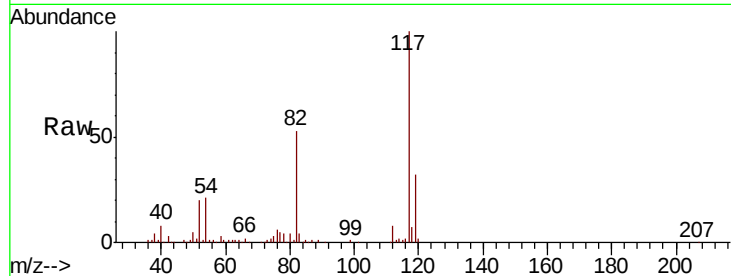




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

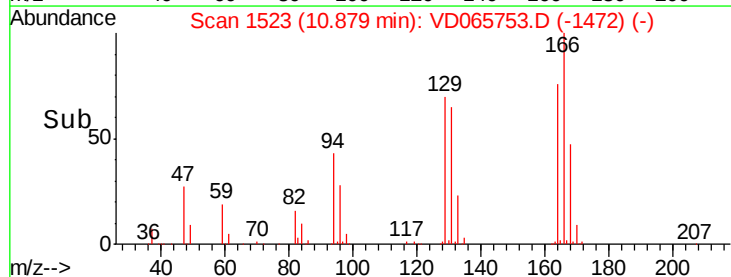
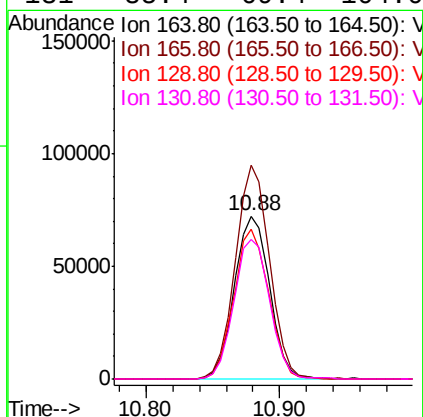
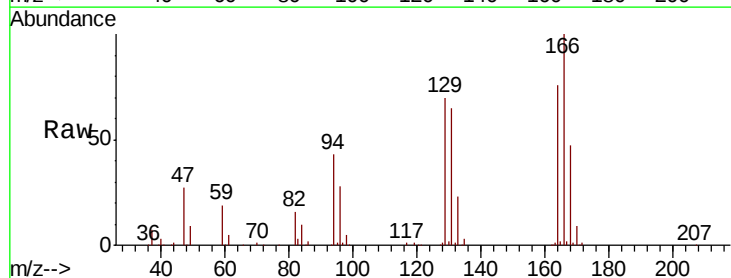
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

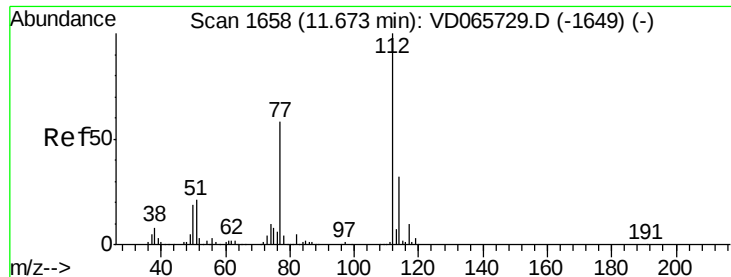
Tot Ion:117 Resp: 429158
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.6
119 32.4 26.6 40.0



#64
Tetrachloroethene
Concen: 44.461 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion:164 Resp: 131939
Ion Ratio Lower Upper
164 100
166 130.9 106.6 159.8
129 91.5 71.4 107.2
131 85.4 69.4 104.0

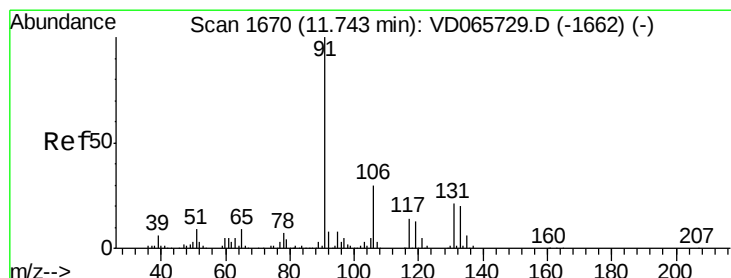
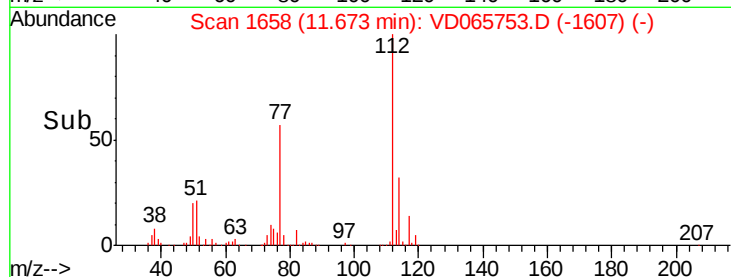
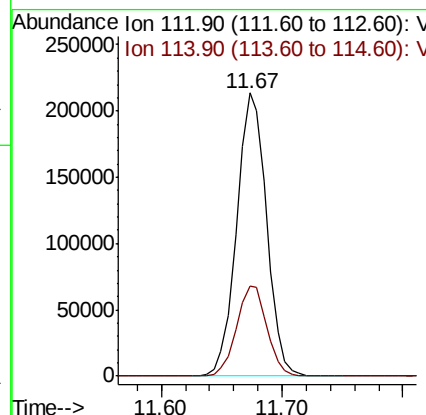
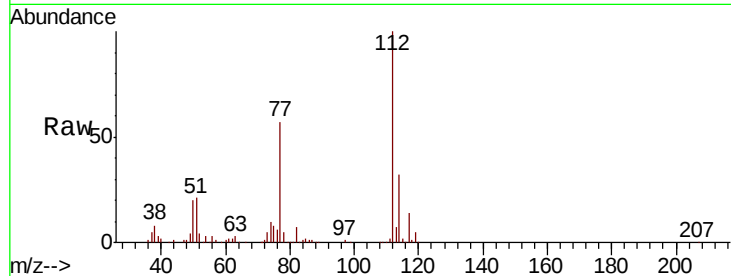




#65
Chlorobenzene
Concen: 45.462 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

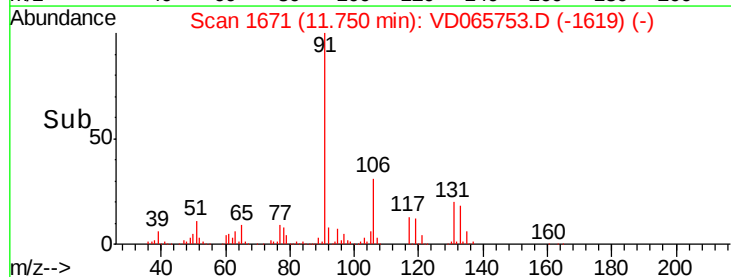
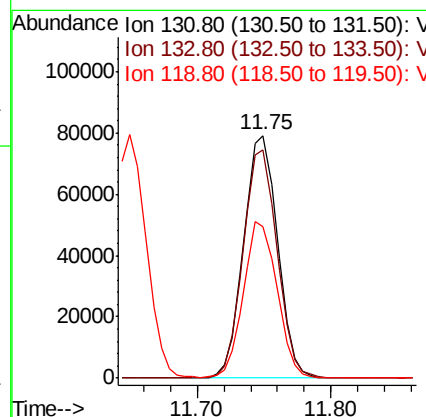
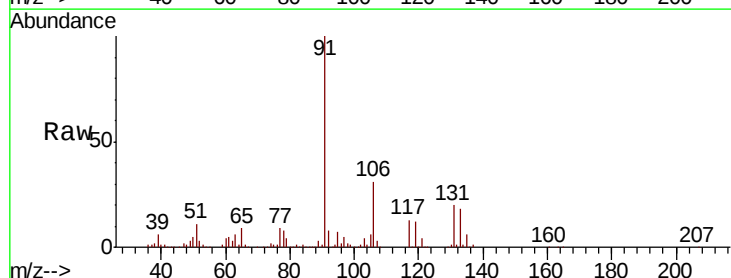
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

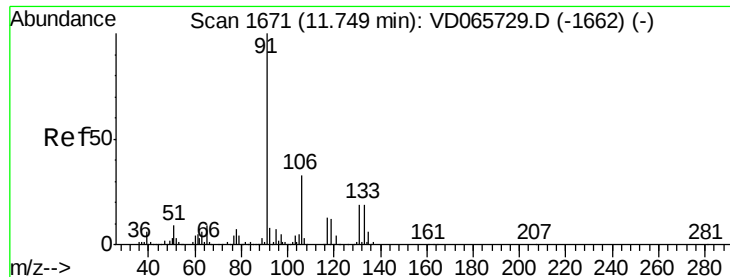
Tot Ion:112 Resp: 367653
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 45.910 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion:131 Resp: 139005
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.8
119 64.1 31.6 95.0





#67

Ethyl Benzene

Concen: 46.277 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

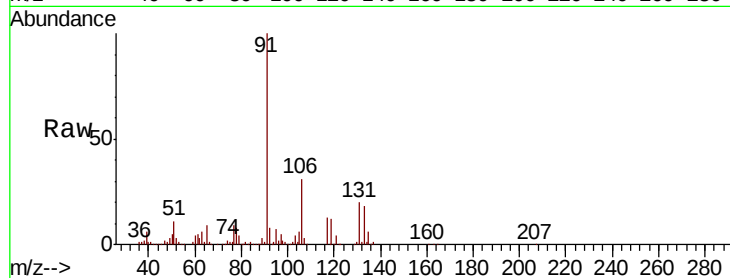
VSTDCCC050EC

Tot Ion: 91 Resp: 667299

Ion Ratio Lower Upper

91 100

106 31.2 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

600000

500000

400000

300000

200000

100000

0

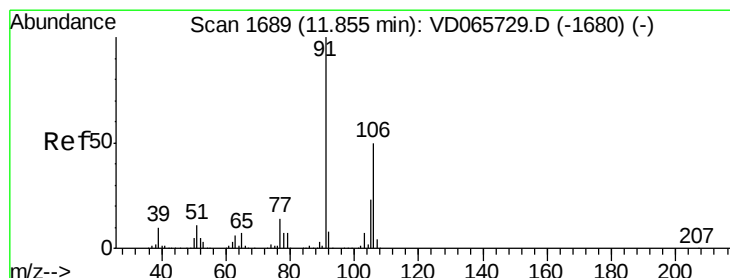
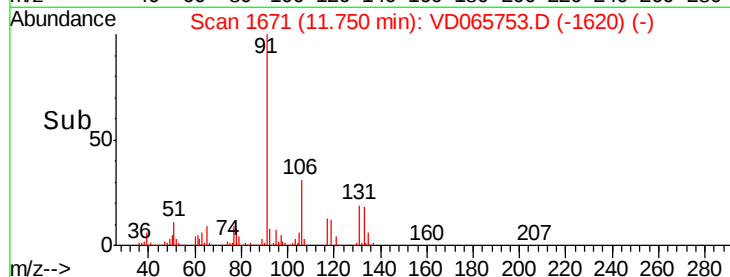
11.70

11.80

11.75

11.86

Time-->



#68

m/p-Xylenes

Concen: 91.813 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065753.D

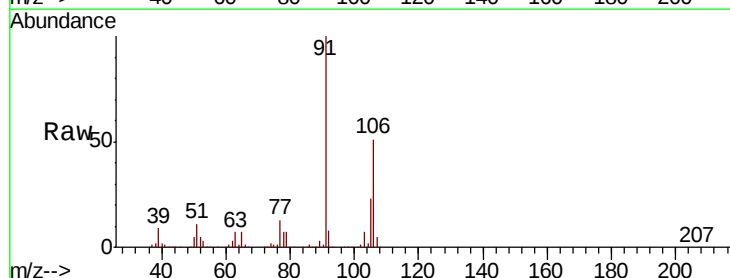
Acq: 15 May 2020 15:29

Tgt Ion: 106 Resp: 505650

Ion Ratio Lower Upper

106 100

91 199.3 158.7 238.1



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

300000

200000

100000

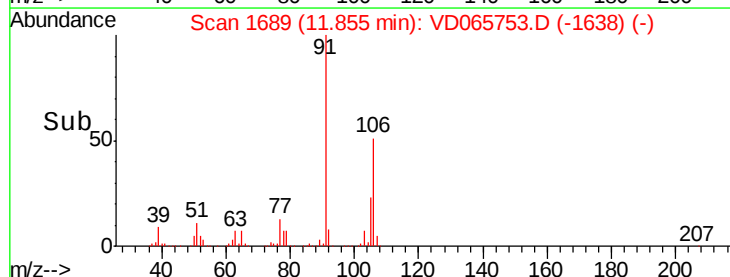
0

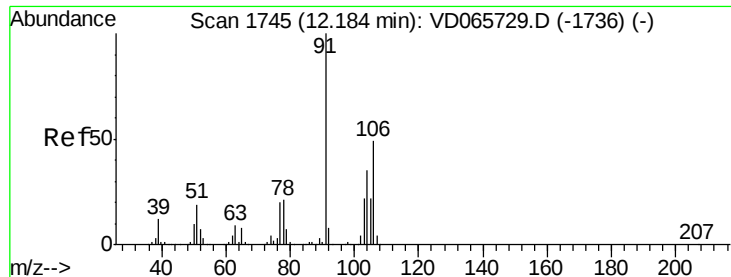
11.80

11.90

11.86

Time-->

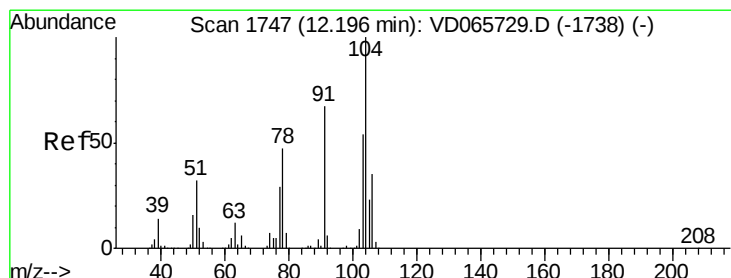
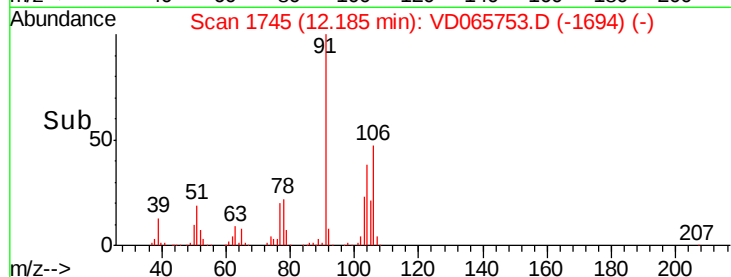
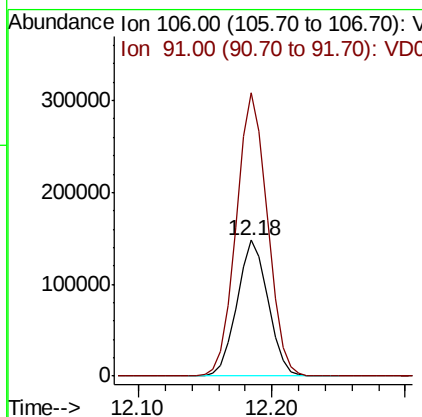
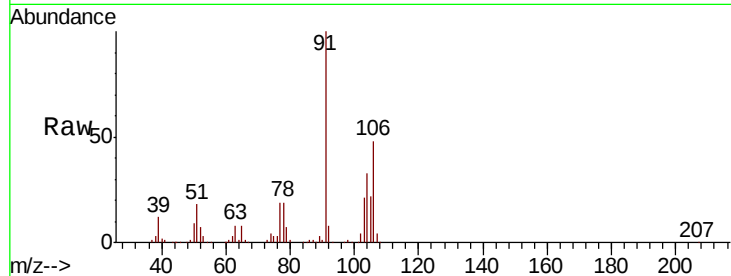




#69
o-Xylene
Concen: 46.356 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

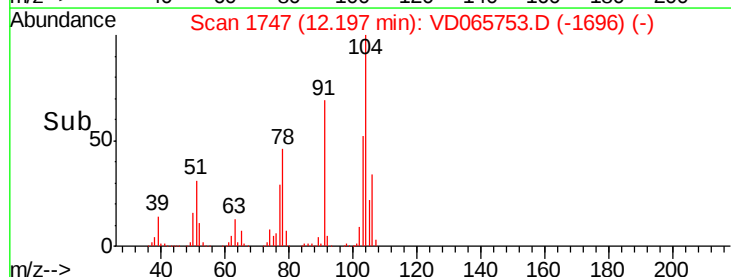
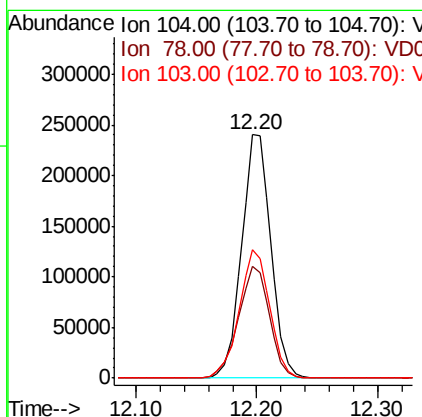
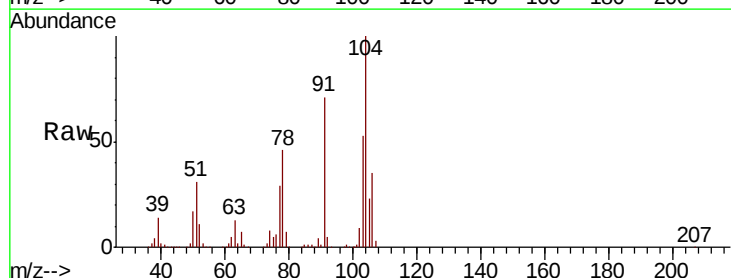
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

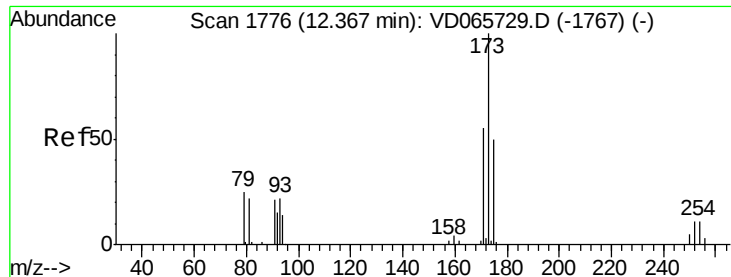
Tot Ion:106 Resp: 237663
Ion Ratio Lower Upper
106 100
91 209.2 101.8 305.4



#70
Styrene
Concen: 46.359 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion:104 Resp: 405619
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.6
103 54.9 44.0 66.0





#71

Bromoform

Concen: 45.734 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

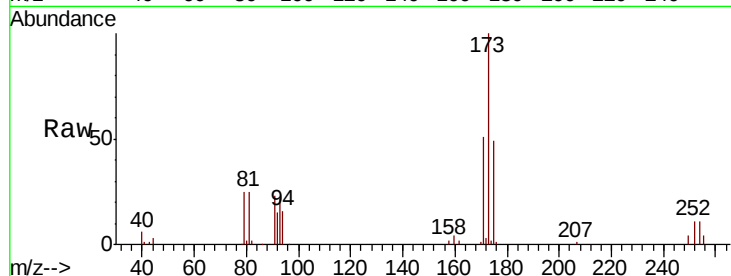
Tot Ion:173 Resp: 76424

Ion Ratio Lower Upper

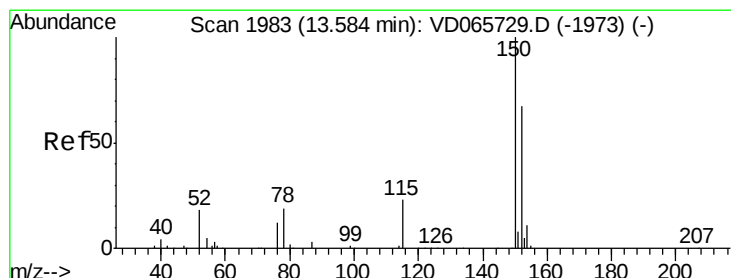
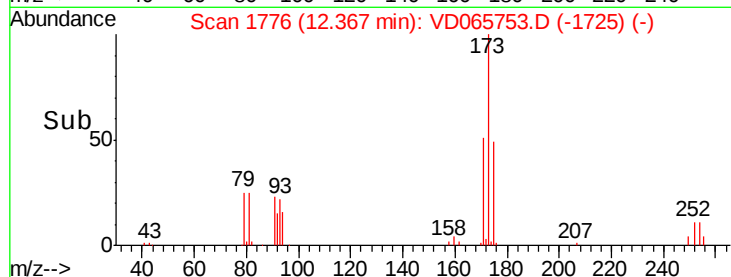
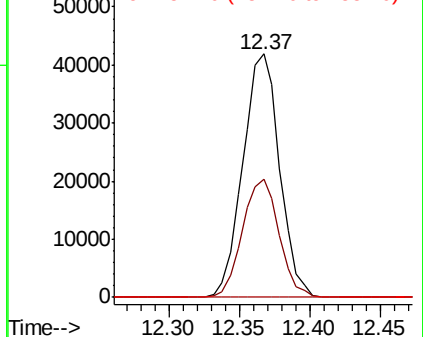
173 100

175 48.3 24.6 73.6

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

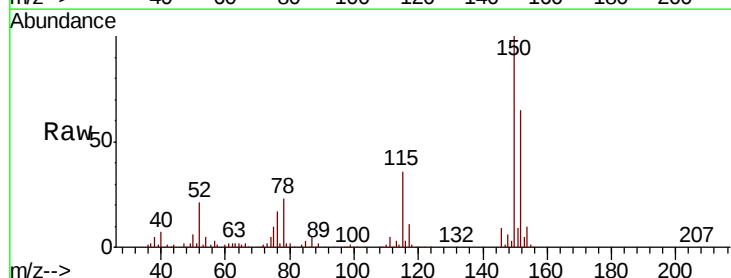
Tgt Ion:152 Resp: 206529

Ion Ratio Lower Upper

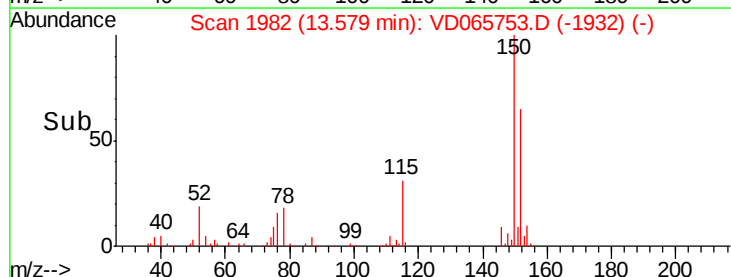
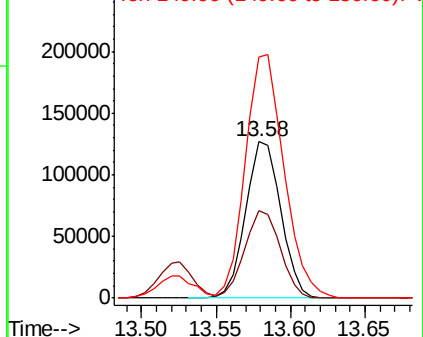
152 100

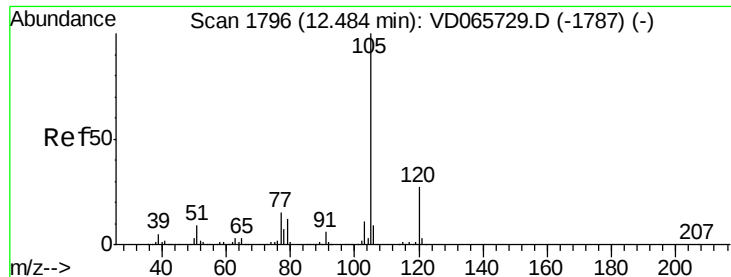
115 56.7 28.1 84.3

150 171.2 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.950 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

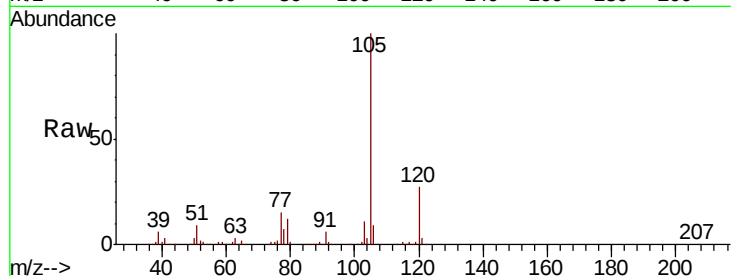
VSTDCCC050EC

Tot Ion:105 Resp: 650971

Ion Ratio Lower Upper

105 100

120 27.1 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

300000

200000

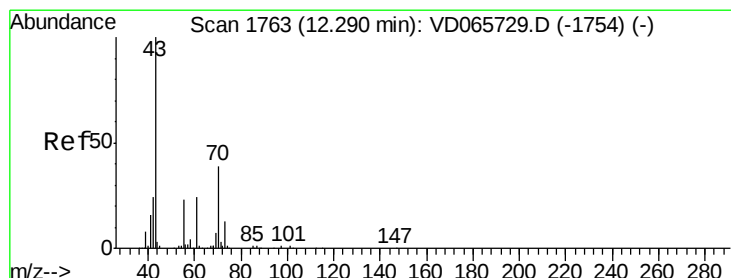
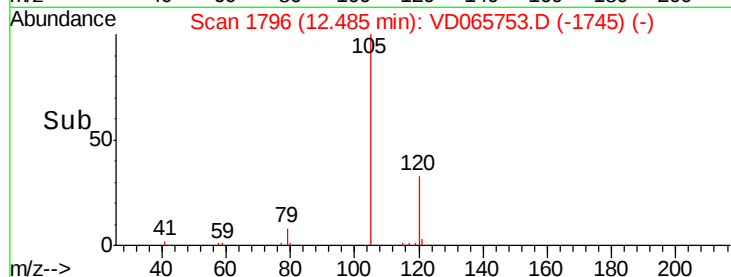
100000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 45.283 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Tgt Ion: 43 Resp: 145776

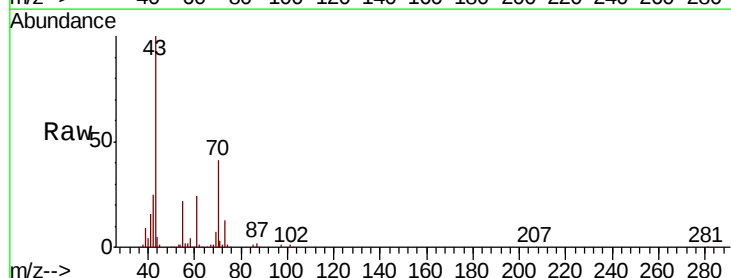
Ion Ratio Lower Upper

43 100

70 41.4 31.8 47.6

55 23.2 17.9 26.9

61 23.8 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.29

100000

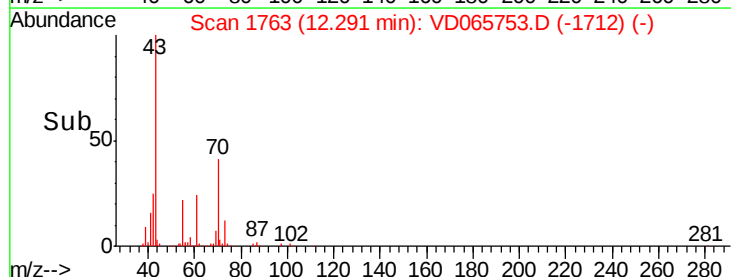
50000

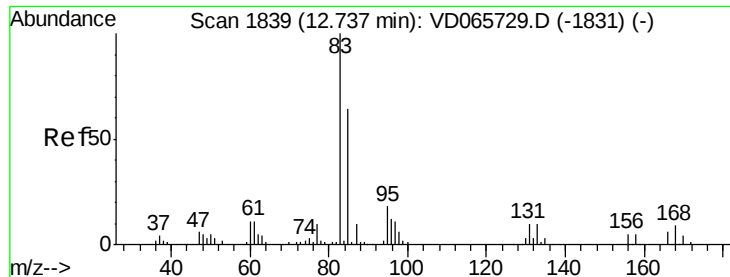
0

Time-->

12.20

12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 46.142 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

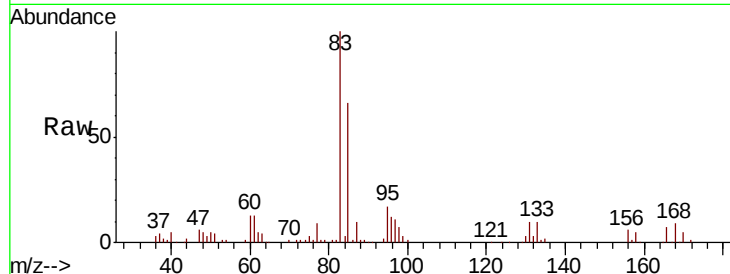
Tot Ion: 83 Resp: 101259

Ion Ratio Lower Upper

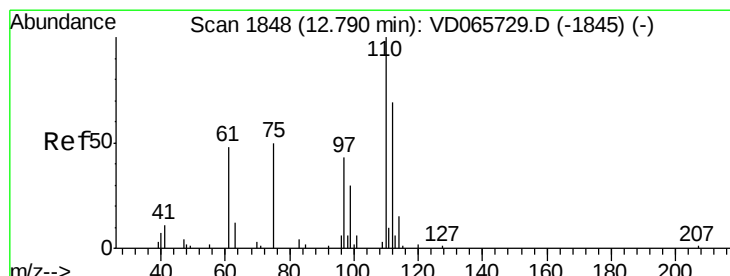
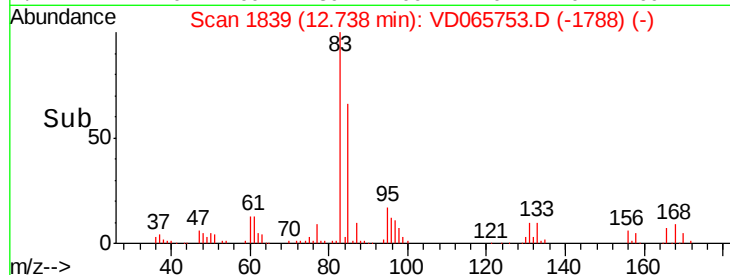
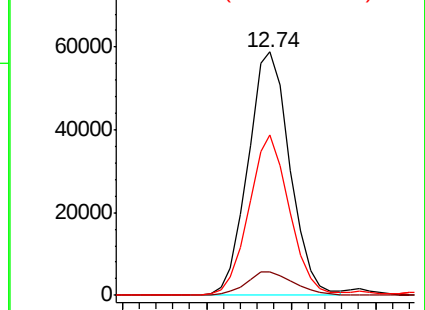
83 100

131 11.0 5.9 17.6

85 63.9 32.5 97.4



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



#76

1,2,3-Trichloropropane

Concen: 40.532 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065753.D

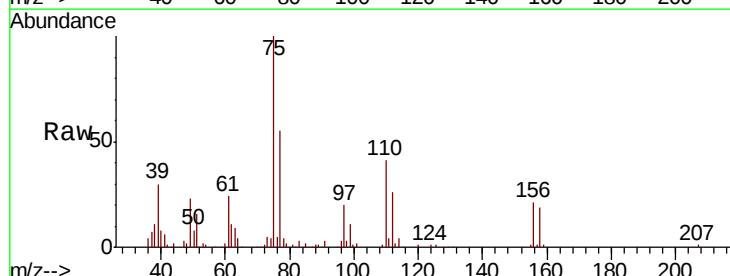
Acq: 15 May 2020 15:29

Tgt Ion: 75 Resp: 62474

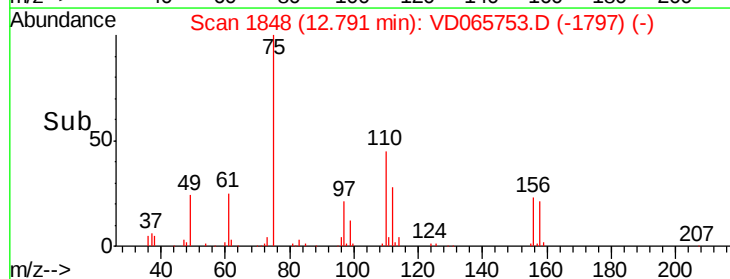
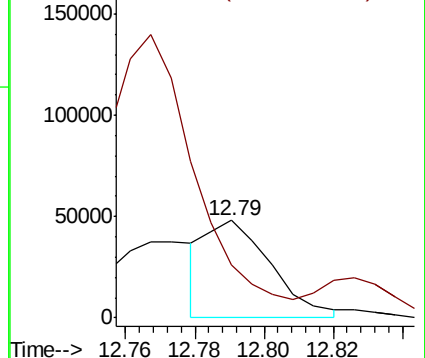
Ion Ratio Lower Upper

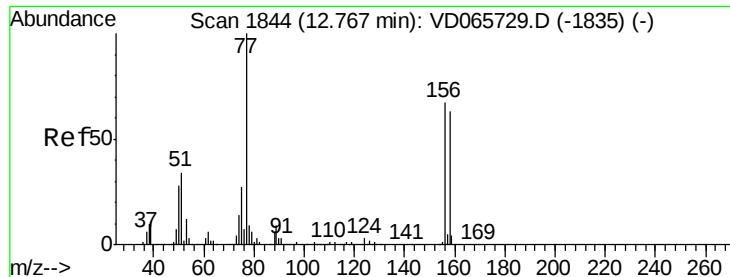
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 46.633 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

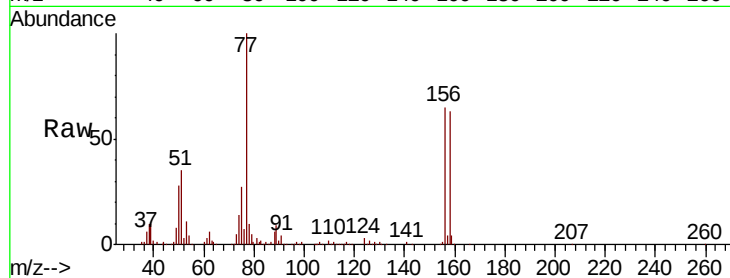
Tot Ion:156 Resp: 155848

Ion Ratio Lower Upper

156 100

77 168.1 84.9 254.6

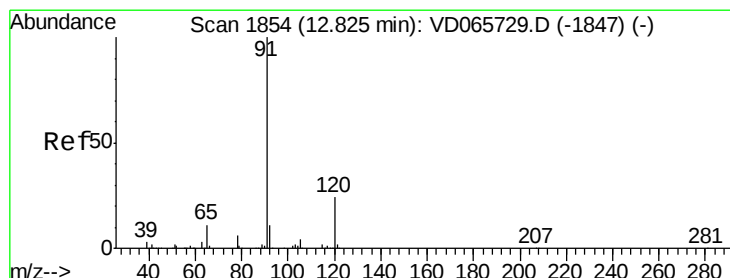
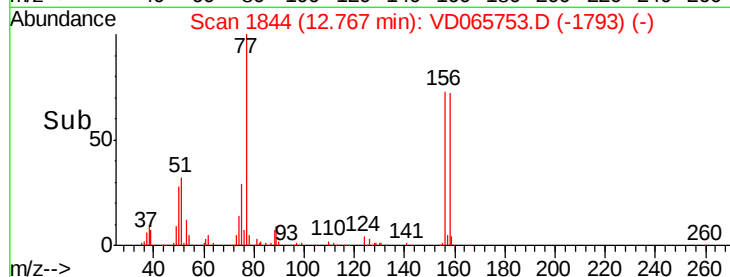
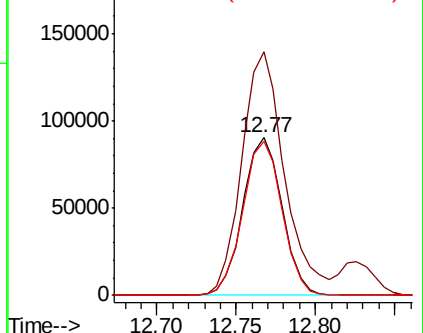
158 97.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.004 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065753.D

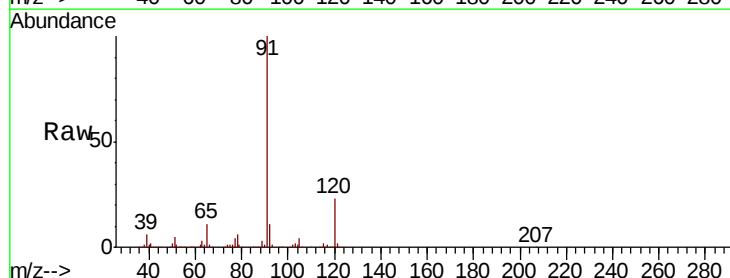
Acq: 15 May 2020 15:29

Tgt Ion: 91 Resp: 761286

Ion Ratio Lower Upper

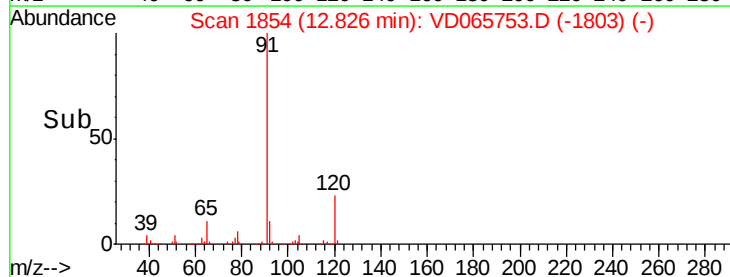
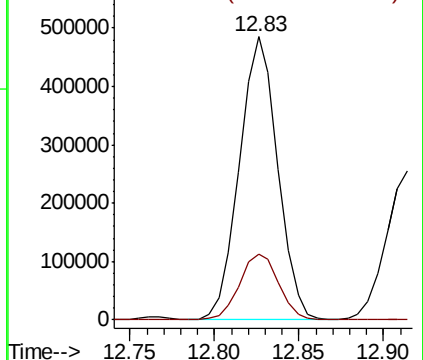
91 100

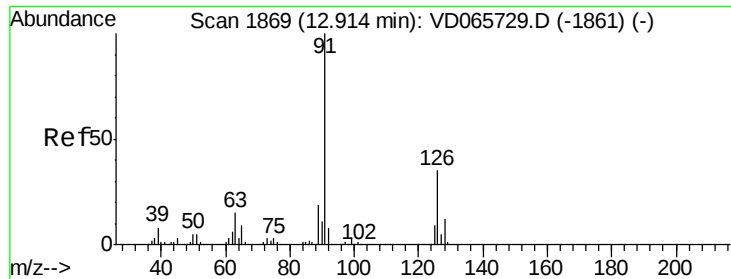
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

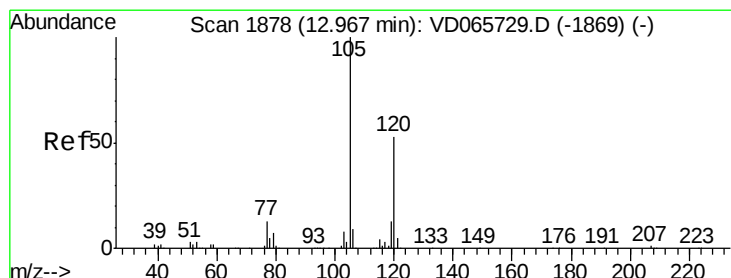
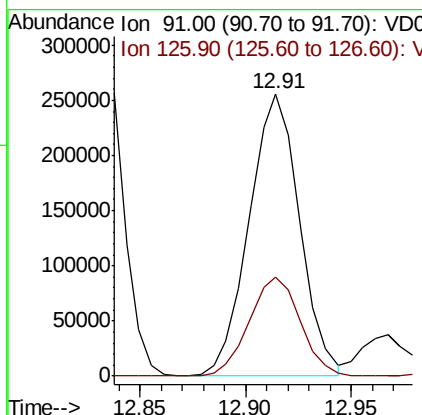
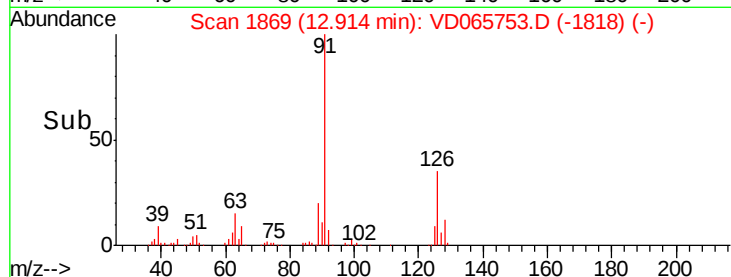
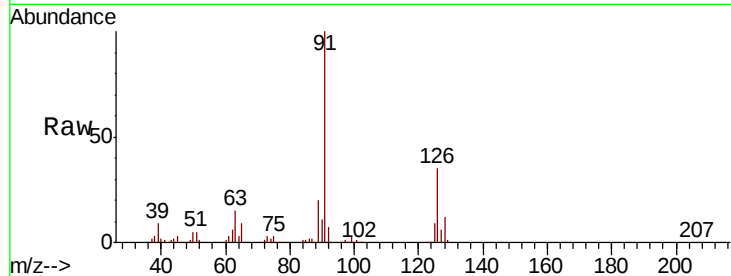




#79
 2-Chlorotoluene
 Concen: 47.306 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

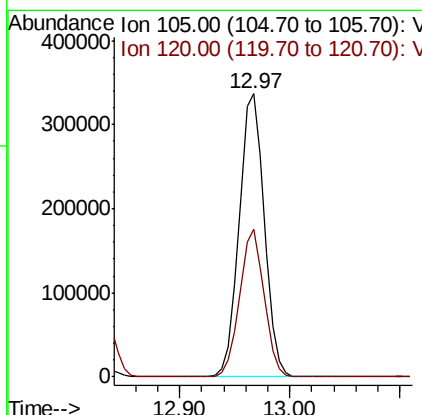
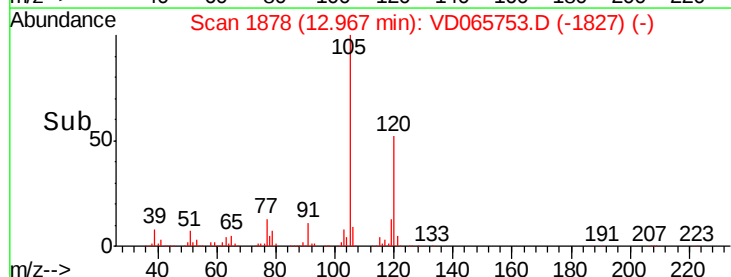
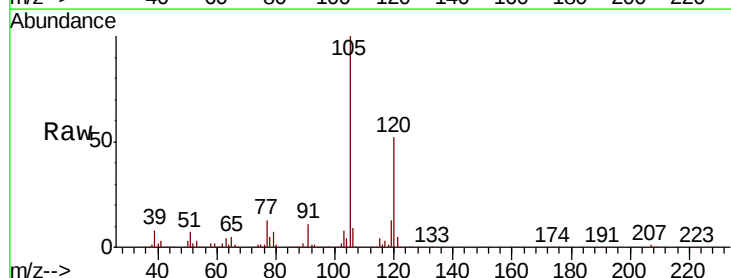
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

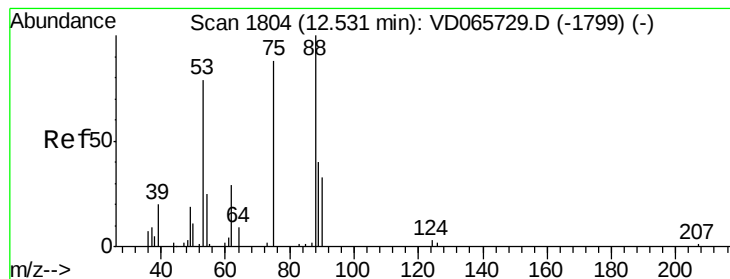
Tot Ion: 91 Resp: 423941
 Ion Ratio Lower Upper
 91 100
 126 35.7 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 47.163 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Tgt Ion: 105 Resp: 538802
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 43.679 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

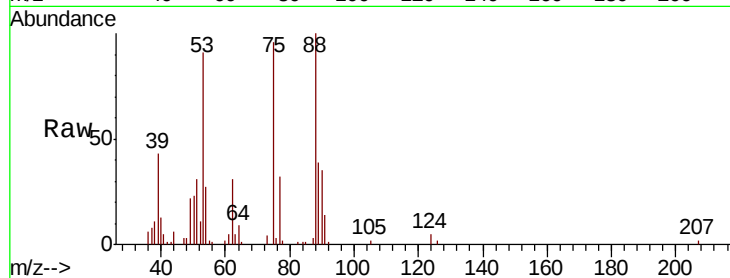
Tot Ion: 75 Resp: 34317

Ion Ratio Lower Upper

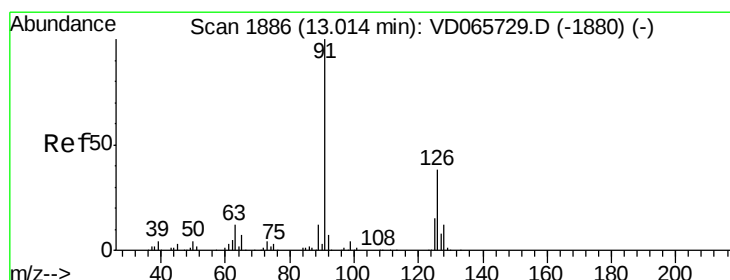
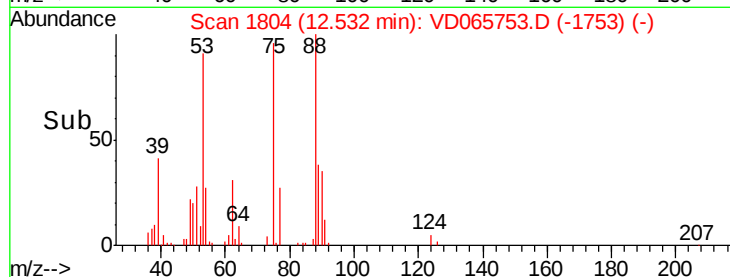
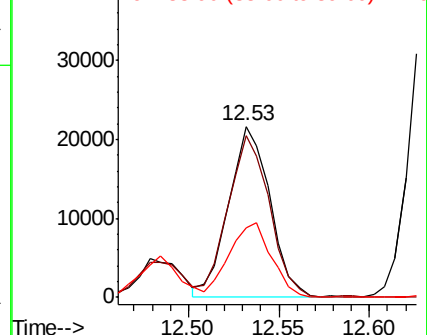
75 100

53 95.4 72.6 109.0

89 44.2 37.0 55.4



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



#82

4-Chlorotoluene

Concen: 47.300 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065753.D

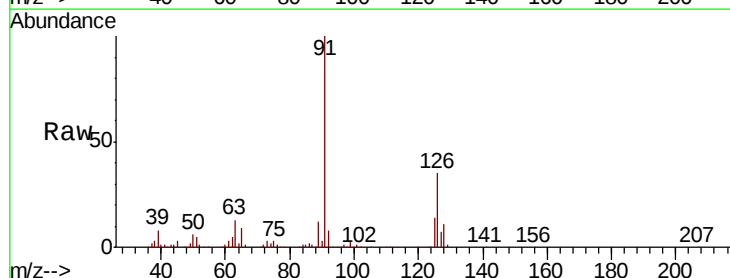
Acq: 15 May 2020 15:29

Tgt Ion: 91 Resp: 446892

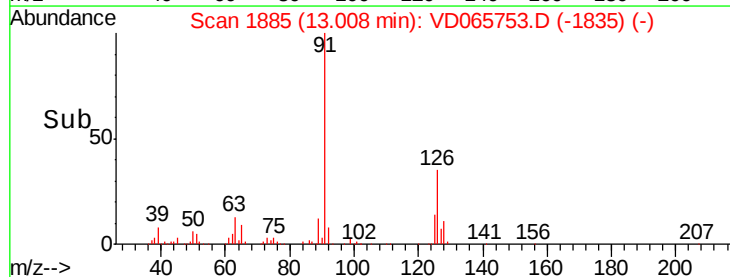
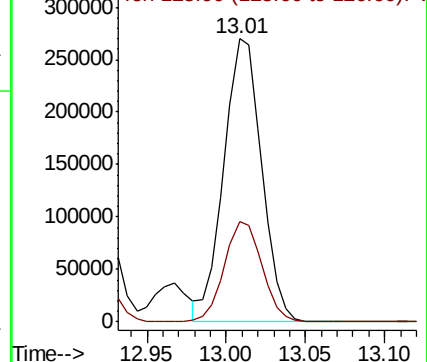
Ion Ratio Lower Upper

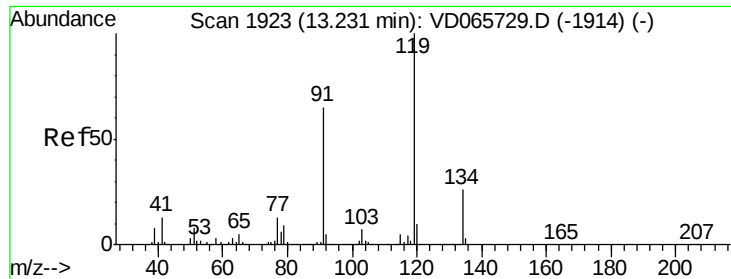
91 100

126 35.3 17.8 53.3



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

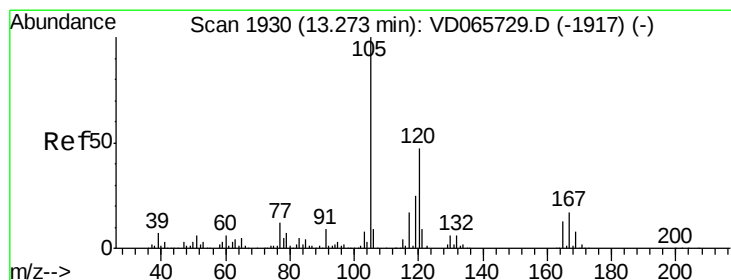
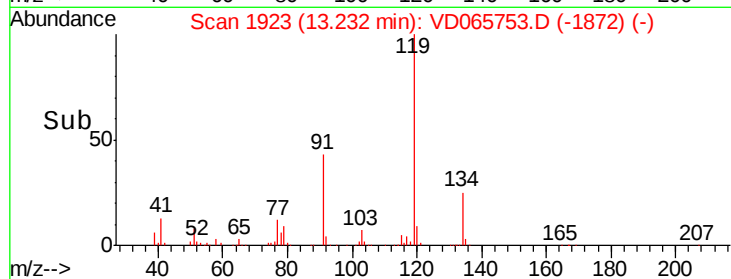
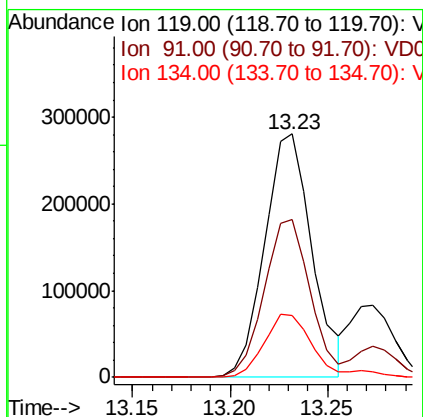
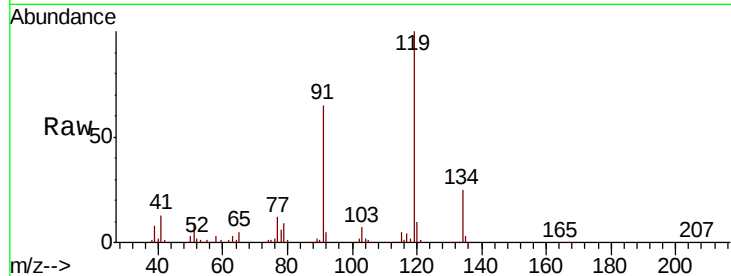




#83
tert-Butylbenzene
Concen: 46.670 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

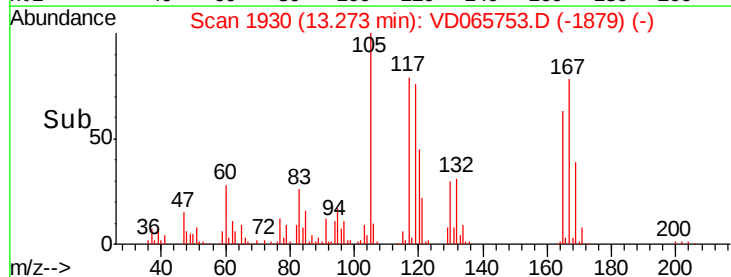
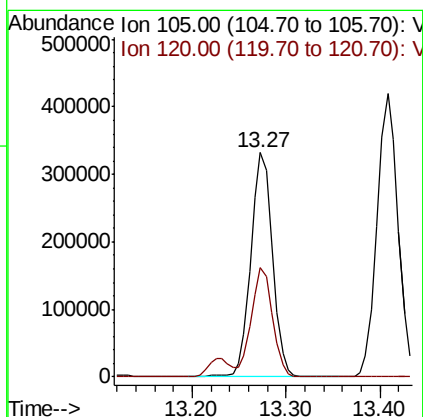
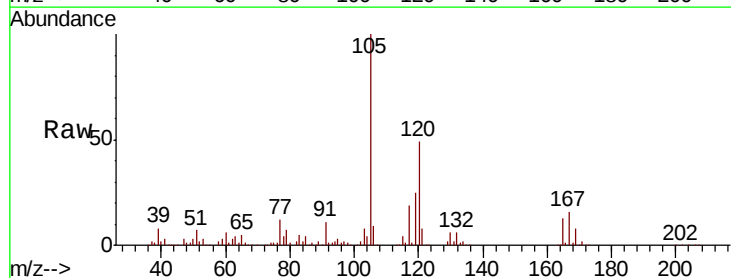
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

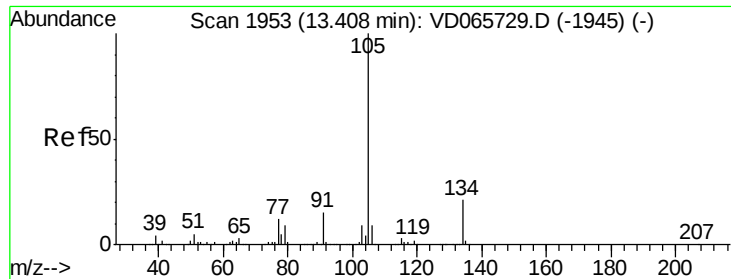
Tot Ion:119 Resp: 472785
Ion Ratio Lower Upper
119 100
91 63.0 31.6 95.0
134 25.8 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 46.958 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion:105 Resp: 529057
Ion Ratio Lower Upper
105 100
120 48.0 23.6 70.8

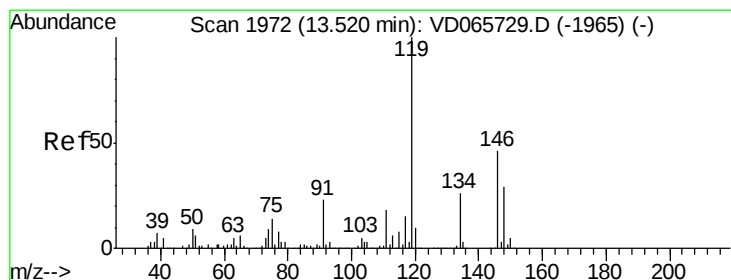
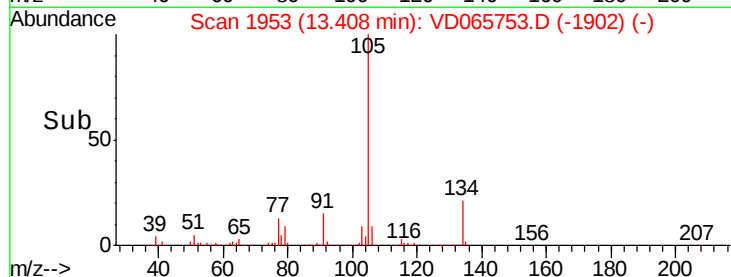
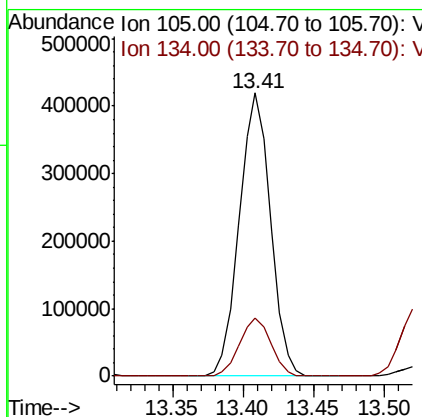
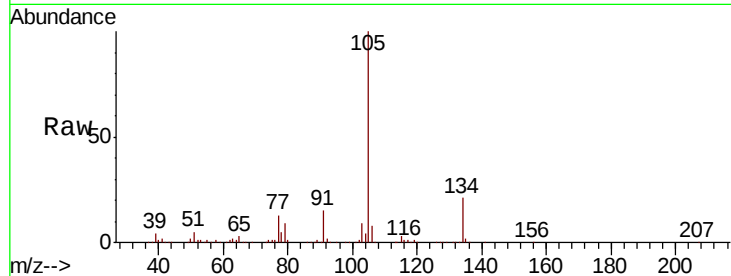




#85
 sec-Butylbenzene
 Concen: 47.057 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

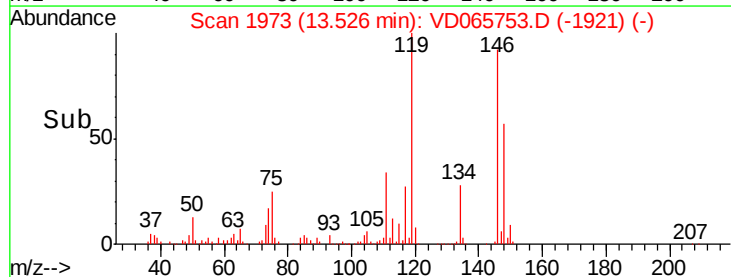
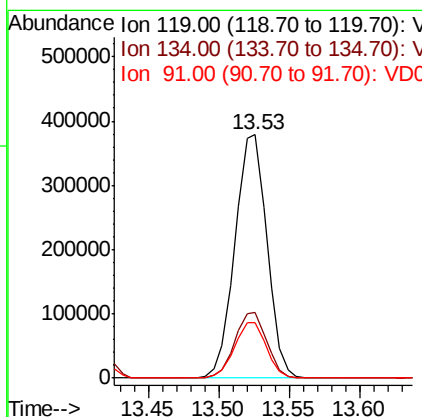
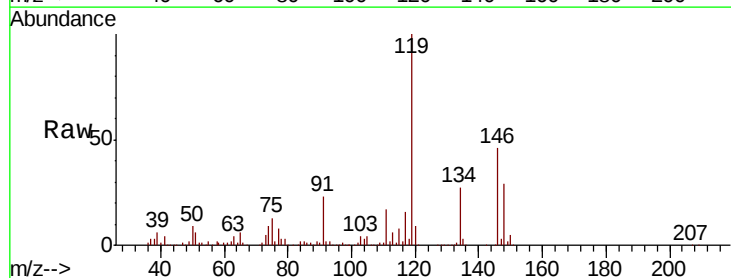
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

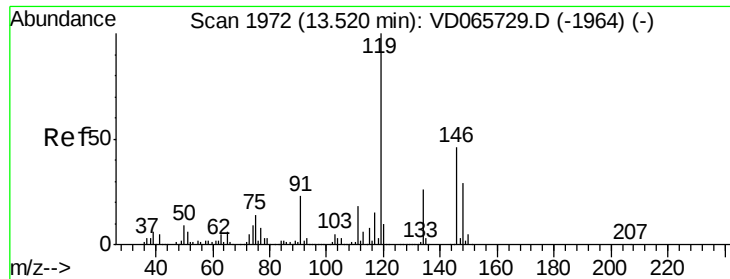
Tot Ion:105 Resp: 648665
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 47.280 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Tgt Ion:119 Resp: 599045
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.7
 91 22.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 47.315 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

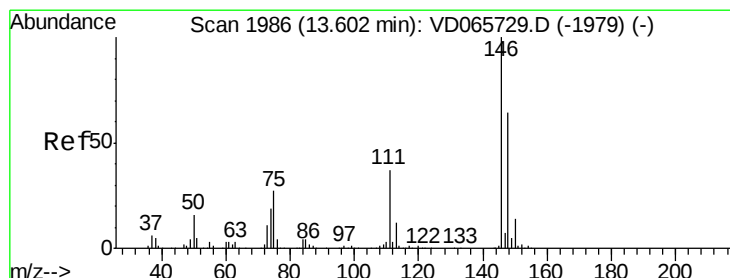
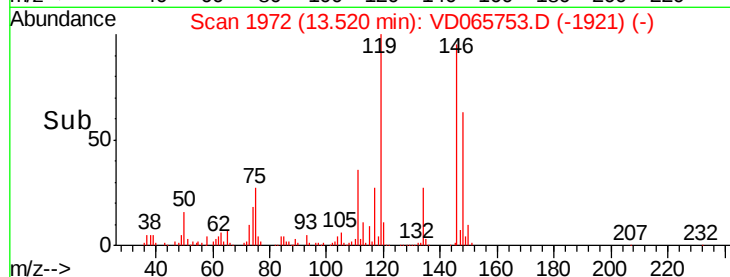
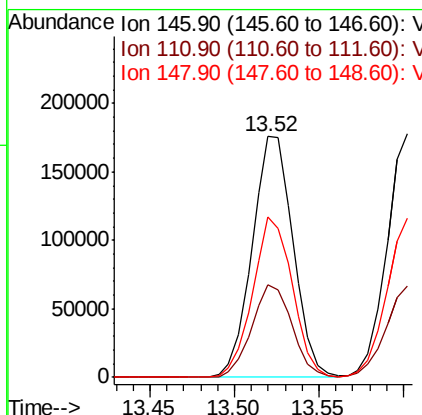
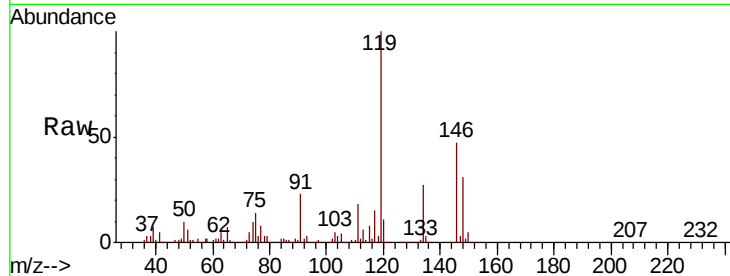
Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 296580

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	64.4	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 46.892 ug/l

RT: 13.60 min Scan# 1986

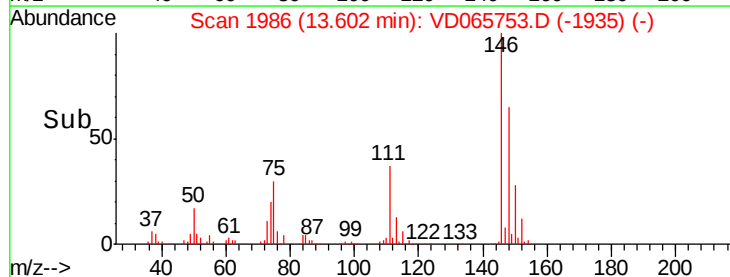
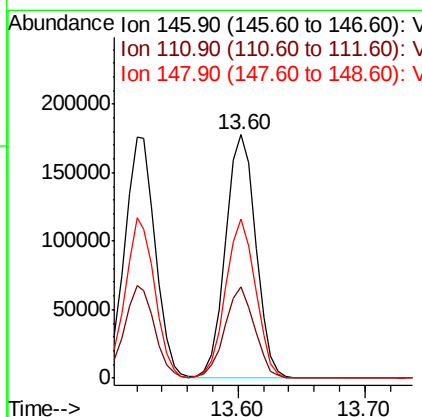
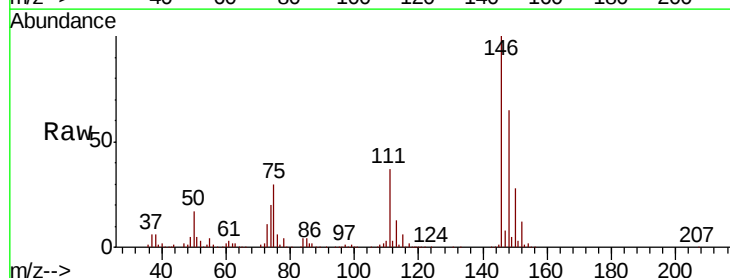
Delta R.T. 0.00 min

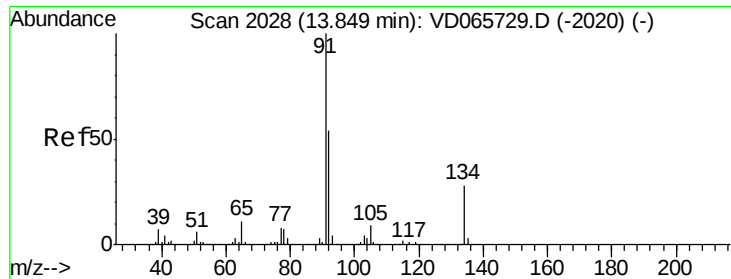
Lab File: VD065753.D

Acq: 15 May 2020 15:29

Tgt Ion:146 Resp: 292768

Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	65.0	31.6	94.7

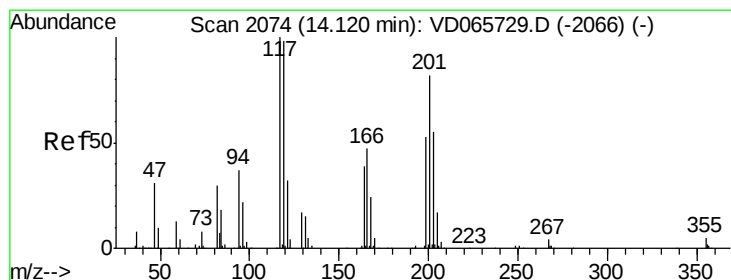
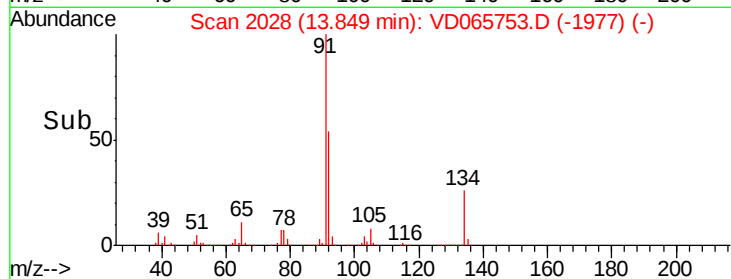
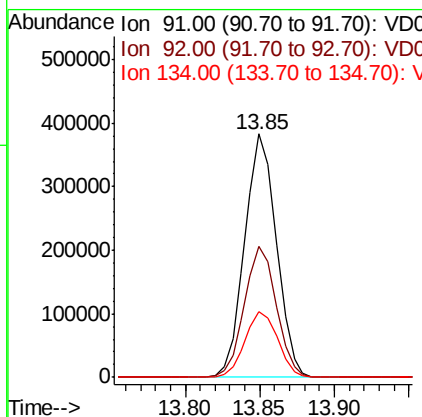
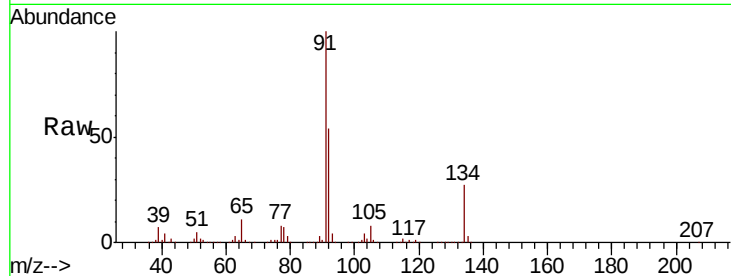




#89
n-Butylbenzene
Concen: 47.535 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

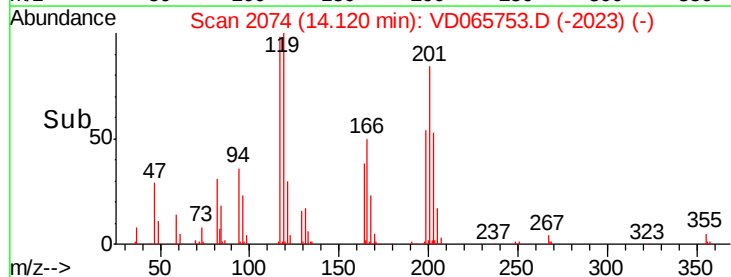
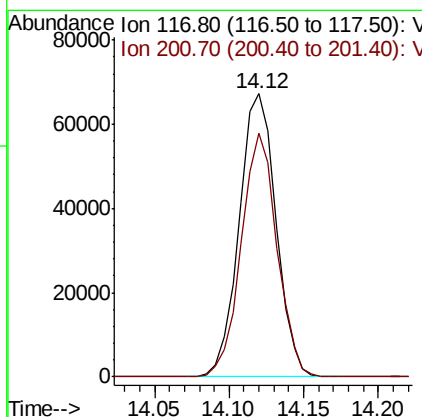
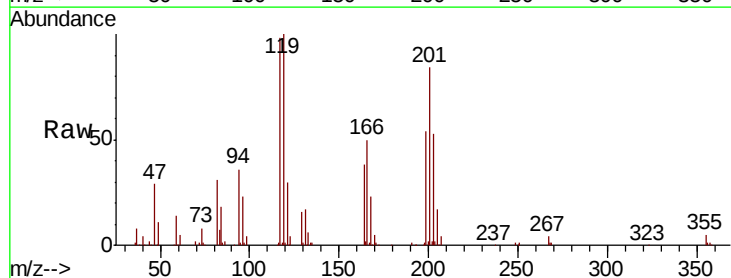
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

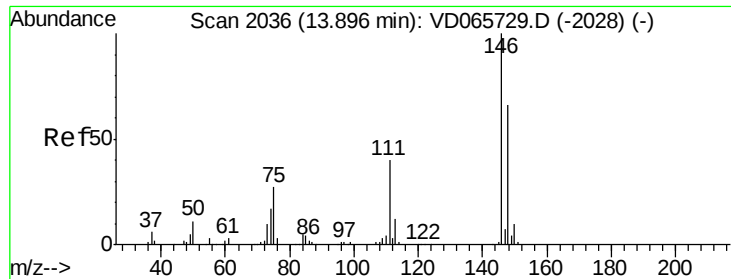
Tot Ion: 91 Resp: 563190
Ion Ratio Lower Upper
91 100
92 54.2 27.0 81.0
134 27.8 13.9 41.7



#90
Hexachloroethane
Concen: 46.383 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065753.D
Acq: 15 May 2020 15:29

Tgt Ion: 117 Resp: 114975
Ion Ratio Lower Upper
117 100
201 83.3 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 47.332 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

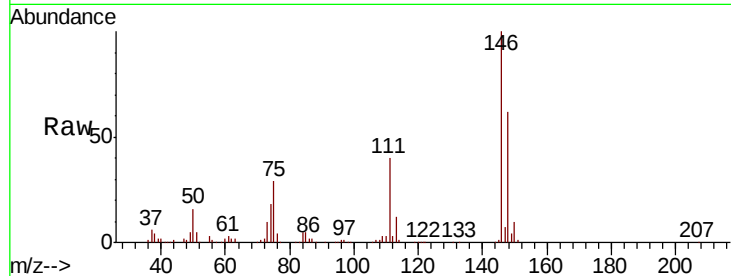
Tot Ion:146 Resp: 256624

Ion Ratio Lower Upper

146 100

111 39.3 20.0 60.0

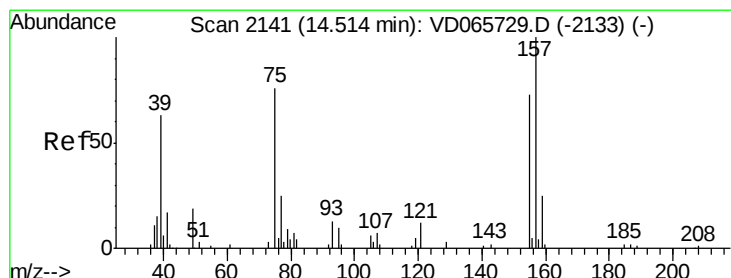
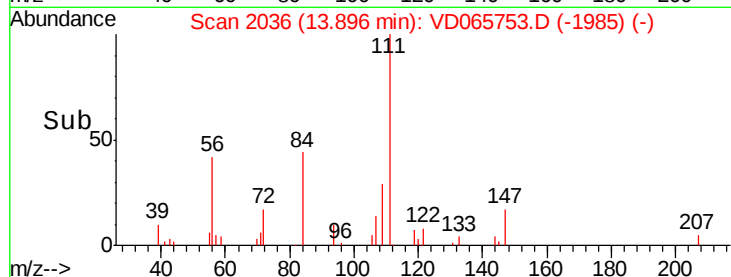
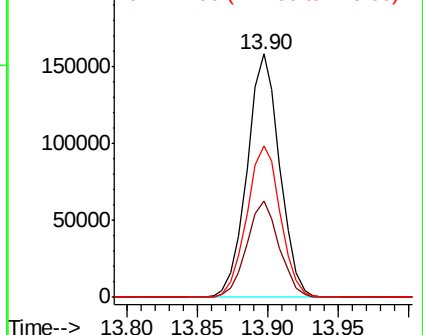
148 64.2 32.4 97.2



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: 41.954 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

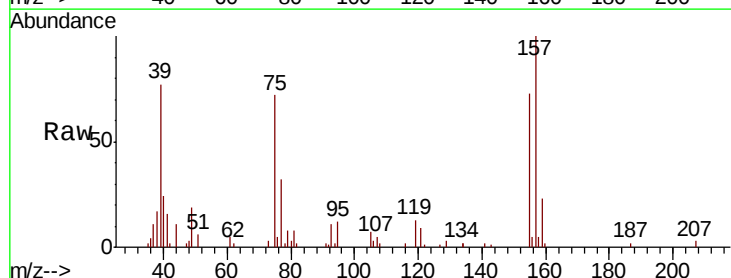
Tgt Ion: 75 Resp: 15396

Ion Ratio Lower Upper

75 100

155 98.0 48.4 145.0

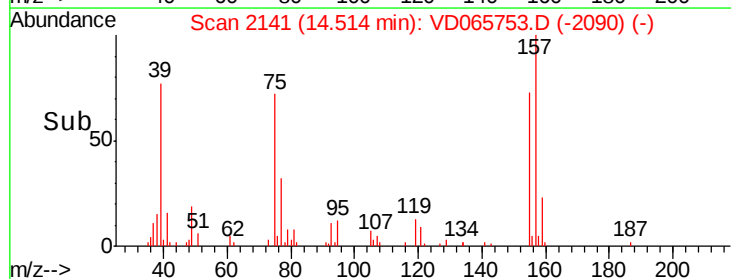
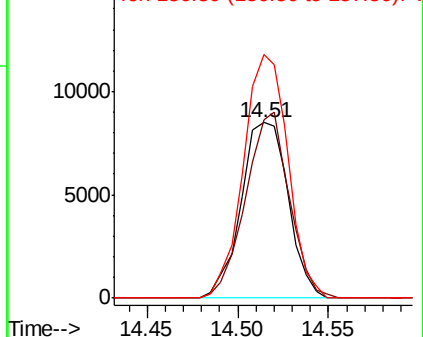
157 130.6 62.6 187.8

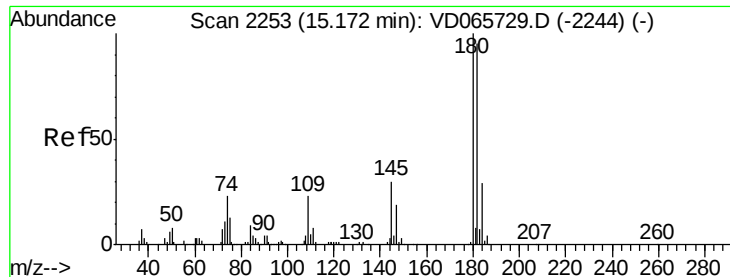


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

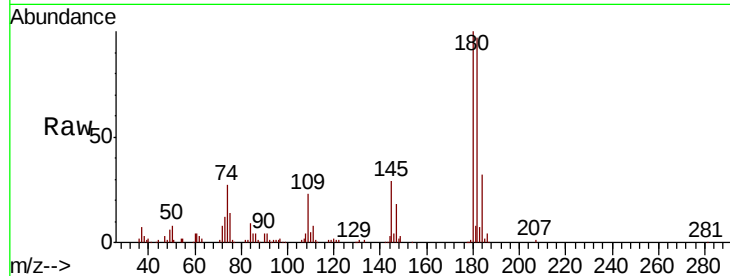




#93
 1,2,4-Trichlorobenzene
 Concen: 45.888 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.0
145	29.5	14.5	43.6

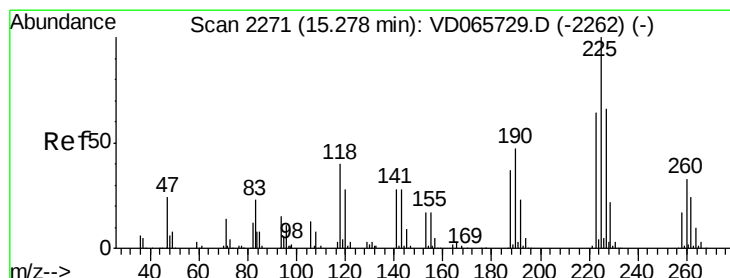
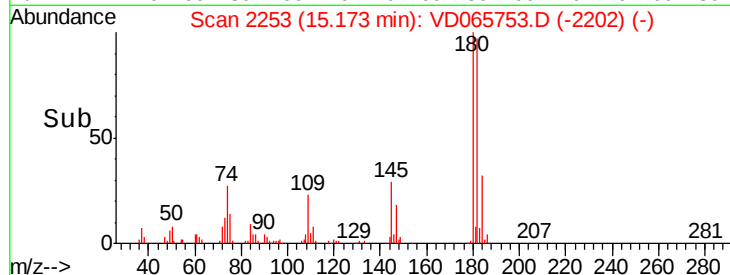
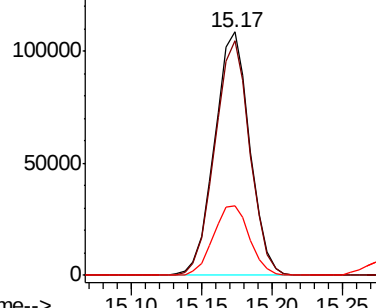


Abundance

Ion 179.80 (179.50 to 180.50): V

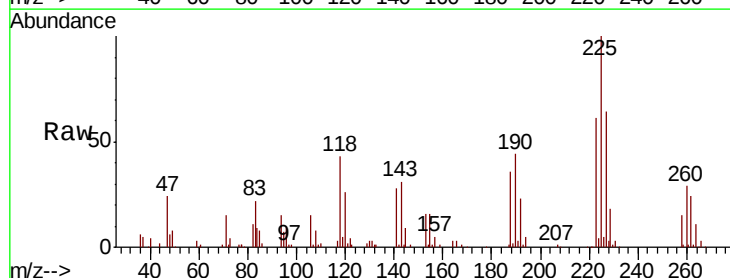
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 46.386 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD065753.D
 Acq: 15 May 2020 15:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.2
227	64.3	32.2	96.6

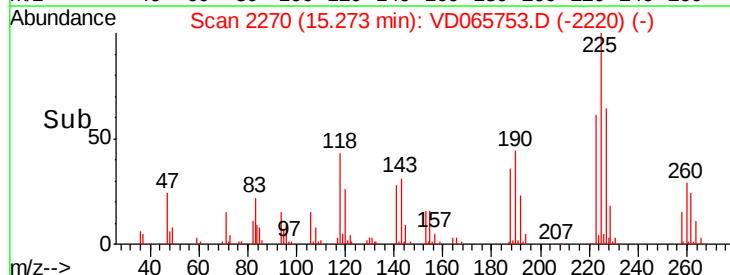
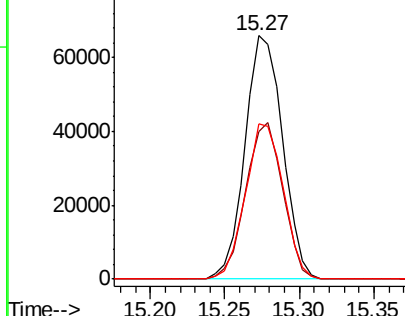


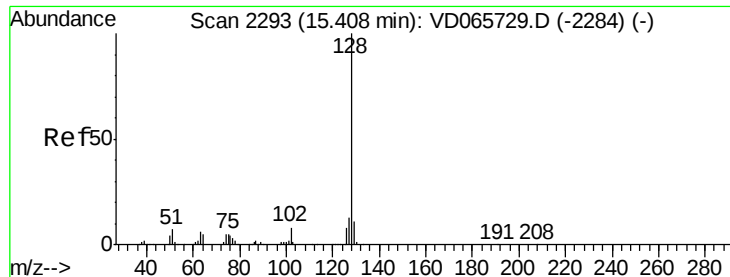
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.551 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

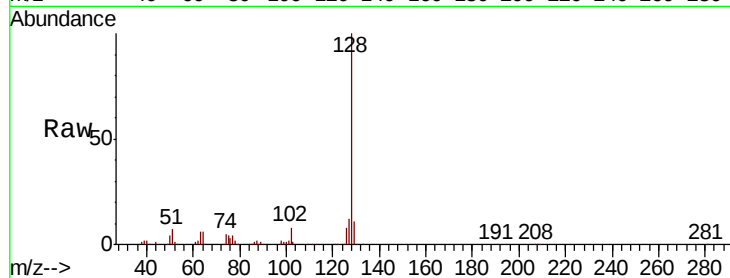
Tot Ion:128 Resp: 305625

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

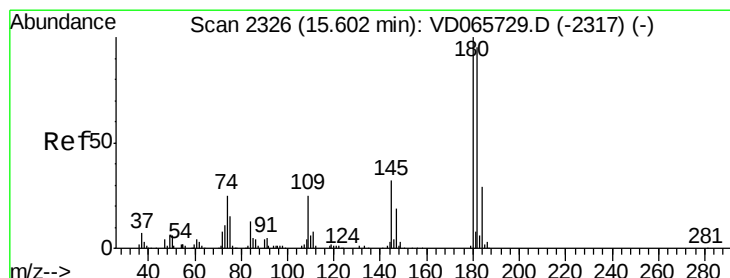
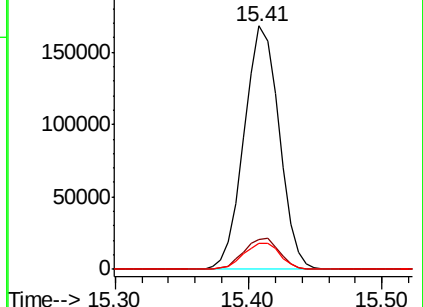
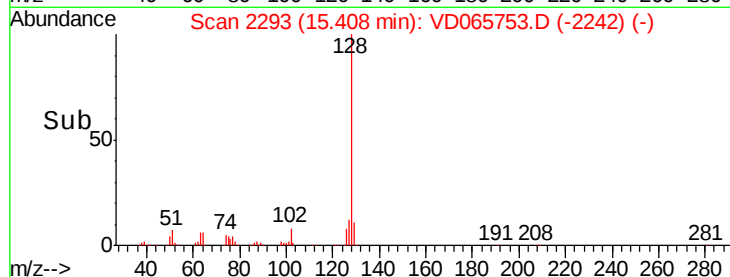
129 11.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.373 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065753.D

Acq: 15 May 2020 15:29

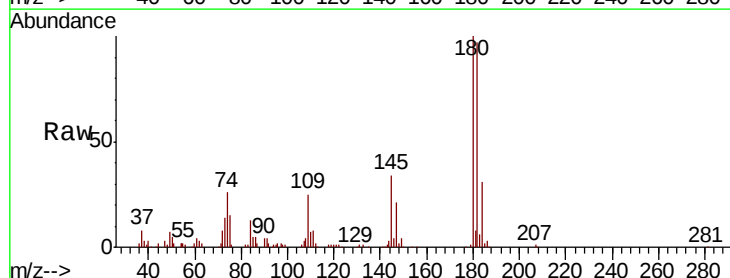
Tgt Ion:180 Resp: 159557

Ion Ratio Lower Upper

180 100

182 94.8 47.5 142.6

145 31.3 15.9 47.6



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

