

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065692.D
 Acq On : 01 May 2020 20:08
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: May 04 10:34:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050120S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 02 02:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	651460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	898827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	857657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	456355	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	973742	177.51	ug/l	0.00
Spiked Amount			Recovery	=	355.02%	
35) Dibromofluoromethane	7.92	113	885129	141.53	ug/l	0.00
Spiked Amount			Recovery	=	283.06%	
50) Toluene-d8	10.34	98	3533805	215.97	ug/l	0.00
Spiked Amount			Recovery	=	431.94%	
62) 4-Bromofluorobenzene	12.64	95	1153665	183.97	ug/l	0.00
Spiked Amount			Recovery	=	367.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	431453	80.831	ug/l	96
3) Chloromethane	2.21	50	845066	163.039	ug/l	99
4) Vinyl Chloride	2.34	62	1050718	209.542	ug/l	99
5) Bromomethane	2.74	94	646856	352.533	ug/l	98
6) Chloroethane	2.91	64	688130	317.052	ug/l	100
7) Trichlorofluoromethane	3.27	101	1372133	187.530	ug/l	97
8) Diethyl Ether	3.70	74	403442	205.761	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	825596	132.695	ug/l	97
10) Methyl Iodide	4.30	142	947213	130.819	ug/l	95
11) Tert butyl alcohol	5.23	59	253526	829.765	ug/l	98
12) 1,1-Dichloroethene	4.06	96	770760	144.586	ug/l	98
14) Allvl chloride	4.71	41	1437735	188.068	ug/l	99
15) Acrylonitrile	5.42	53	956680	989.862	ug/l	98
16) Acetone	4.16	43	811817	673.736	ug/l	96
17) Carbon Disulfide	4.40	76	2438594	155.197	ug/l	98
18) Methyl Acetate	4.71	43	489612	183.111	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	1947265	178.261	ug/l	99
20) Methylene Chloride	4.96	84	904358	130.683	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	940405	152.782	ug/l	98
22) Diisopropyl ether	6.36	45	2915769	167.116	ug/l	99
23) Vinyl Acetate	6.30	43	8496916	921.560	ug/l	99
24) 1,1-Dichloroethane	6.26	63	1651119	156.492	ug/l	100
25) 2-Butanone	7.21	43	1249336	820.844	ug/l	100
26) 2,2-Dichloropropane	7.21	77	1456170	158.990	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	1026659	146.834	ug/l	99
28) Bromochloromethane	7.55	49	639436	156.827	ug/l	94
29) Tetrahydrofuran	7.56	42	804250	1023.417	ug/l	100
30) Chloroform	7.71	83	1719124	147.694	ug/l	98
31) Cyclohexane	7.99	56	1463149	184.470	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	1557449	153.888	ug/l	98
36) 1,1-Dichloropropene	8.11	75	1346669	184.552	ug/l	98
37) Ethyl Acetate	7.30	43	565088	177.963	ug/l	99
38) Carbon Tetrachloride	8.10	117	1461093	164.135	ug/l	97
39) Methylcyclohexane	9.36	83	1598104	215.547	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.36	78	3824686	205.612	ug/l	98
41) Methacrylonitrile	7.53	41	324876m	99.300	ug/l	
42) 1,2-Dichloroethane	8.43	62	1163973	185.846	ug/l	99
43) Isopropyl Acetate	9.53	43	818308	181.011	ug/l	97
44) Trichloroethene	9.11	130	1027564	153.106	ug/l	100
45) 1,2-Dichloropropane	9.39	63	951198	201.052	ug/l	96
46) Dibromomethane	9.48	93	496921	155.112	ug/l	97
47) Bromodichloromethane	9.67	83	1357205	174.400	ug/l	99
48) Methyl methacrylate	9.46	41	545989	199.834	ug/l	96
49) 1,4-Dioxane	9.47	88	118892	4130.817	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	2955386	1028.107	ug/l	100
52) Toluene	10.41	92	2546459	211.875	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	1280457	195.002	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	1510131	188.970	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	664327	171.465	ug/l	97
56) Ethyl methacrylate	10.67	69	876251	201.597	ug/l	99
57) 1,3-Dichloropropane	10.95	76	1180673	192.113	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	1325479	664.015	ug/l	97
59) 2-Hexanone	10.99	43	1988468	942.796	ug/l	96
60) Dibromochloromethane	11.14	129	924102	149.907	ug/l	99
61) 1,2-Dibromoethane	11.25	107	650806	145.354	ug/l	100
64) Tetrachloroethene	10.88	164	892237	145.343	ug/l	97
65) Chlorobenzene	11.67	112	2586304	156.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	1043561	151.994	ug/l	98
67) Ethyl Benzene	11.75	91	4946814	180.343	ug/l	100
68) m/p-Xylenes	11.86	106	3794931	376.163	ug/l	97
69) o-Xylene	12.18	106	1719617	188.588	ug/l	98
70) Stvrene	12.20	104	3099765	195.217	ug/l	99
71) Bromoform	12.37	173	558446	142.469	ug/l	99
73) Isopropylbenzene	12.48	105	4648517	152.899	ug/l	99
74) N-amyl acetate	12.30	43	1070917	139.508	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	725871	124.621	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	518796m	96.270	ug/l	
77) Bromobenzene	12.77	156	1110680	129.695	ug/l	95
78) n-propylbenzene	12.83	91	5477706	155.234	ug/l	98
79) 2-Chlorotoluene	12.91	91	3082495	146.739	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	3969822	161.795	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	257486	147.484	ug/l	98
82) 4-Chlorotoluene	13.01	91	3336713	145.141	ug/l	100
83) tert-Butylbenzene	13.23	119	3302461	123.049	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	4008301	172.756	ug/l	98
85) sec-Butylbenzene	13.41	105	4575249	151.361	ug/l	99
86) p-Isopropyltoluene	13.53	119	4412414	163.182	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	2211676	145.809	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	2129546	149.985	ug/l	99
89) n-Butylbenzene	13.86	91	3958986	161.089	ug/l	98
90) Hexachloroethane	14.12	117	821086	117.194	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	1853586	146.734	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	122261	151.668	ug/l	87
93) 1,2,4-Trichlorobenzene	15.17	180	1285576	184.499	ug/l	100

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Quant Title : SW846 8260
QLast Update : Sat May 02 02:54:06 2020
Response via : Initial Calibration

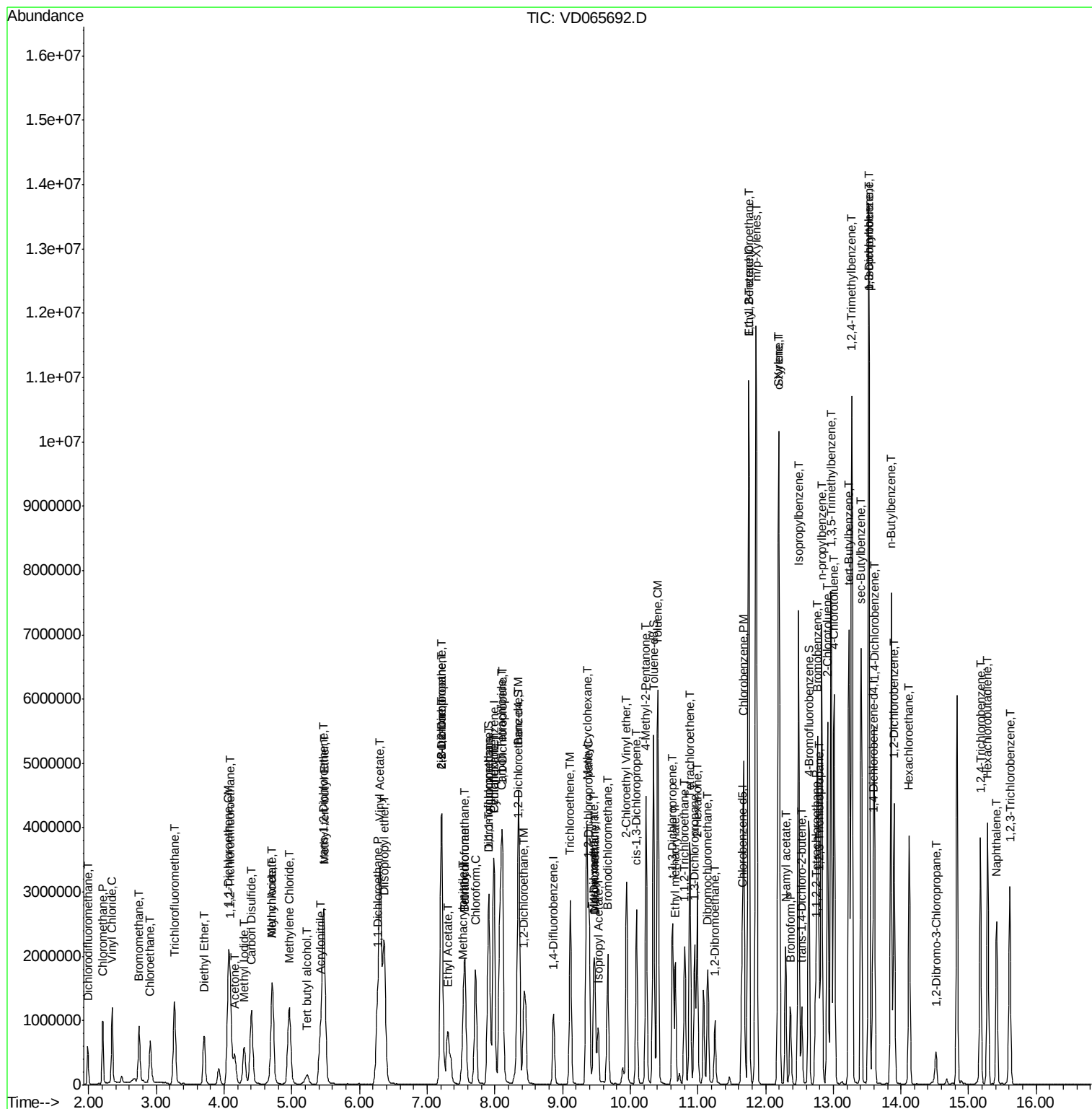
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.28	225	824567	162.848	ug/l	98
95) Naphthalene	15.41	128	2128946	188.600	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	1116270	255.440	ug/l	97

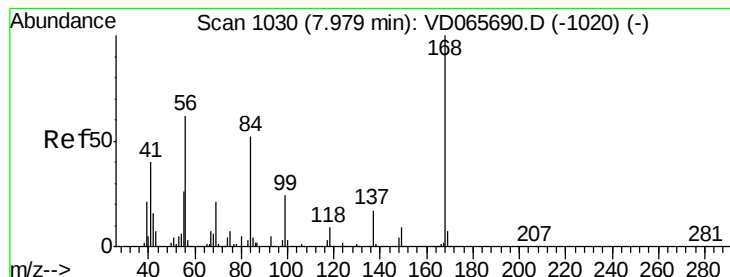
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065692.D
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Instrument :
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 QLast Update : Sat May 02 02:54:06 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

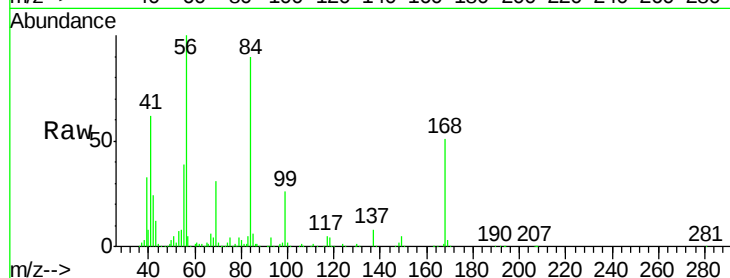
VSTDICC150

Tot Ion:168 Resp: 651460

Ion Ratio Lower Upper

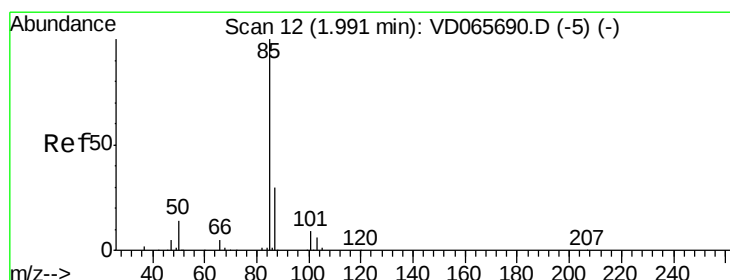
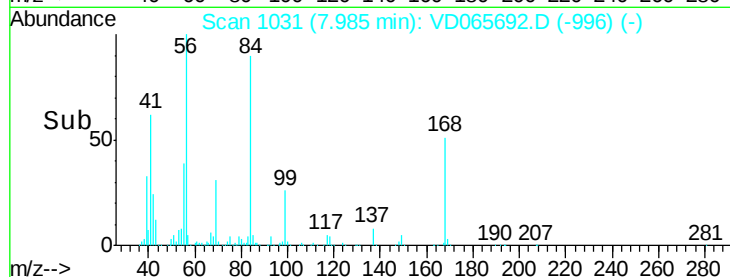
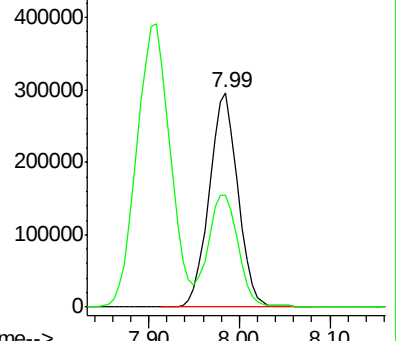
168 100

99 52.3 44.8 67.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 80.831 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065692.D

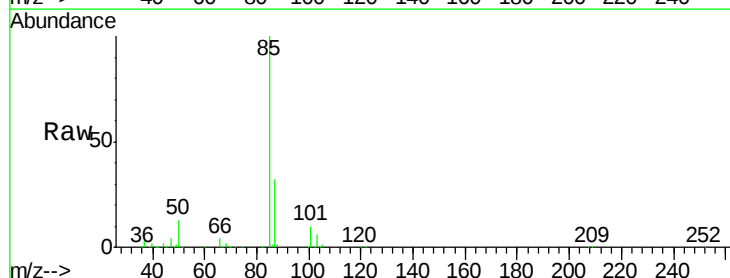
Acq: 01 May 2020 20:08

Tgt Ion: 85 Resp: 431453

Ion Ratio Lower Upper

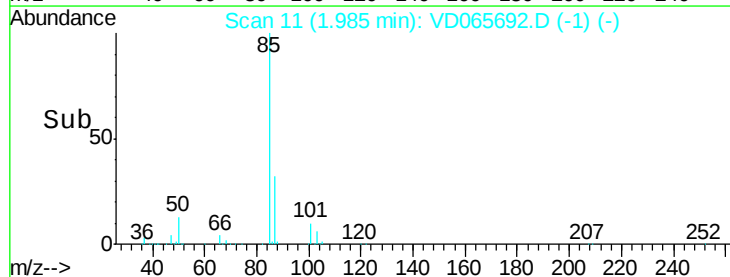
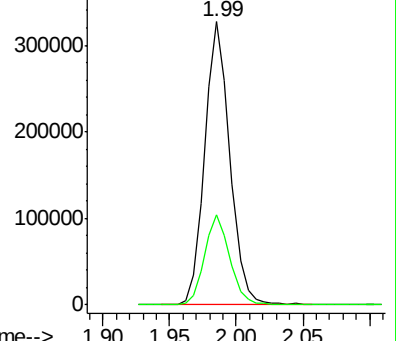
85 100

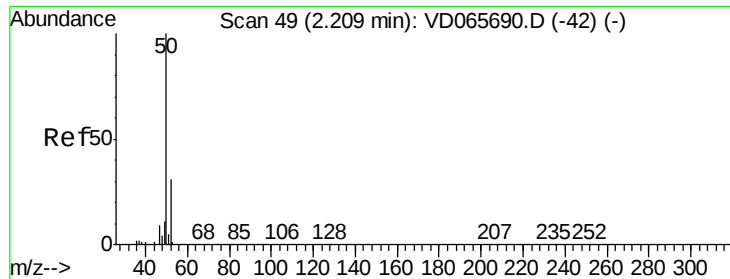
87 31.9 14.9 44.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

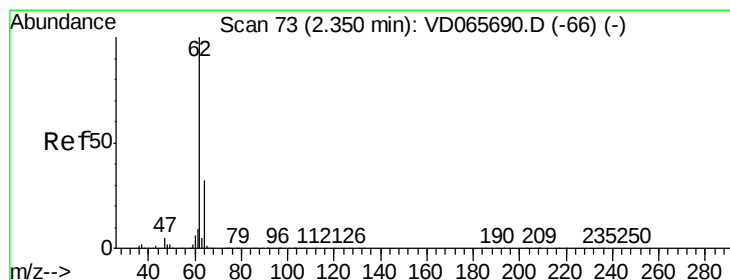
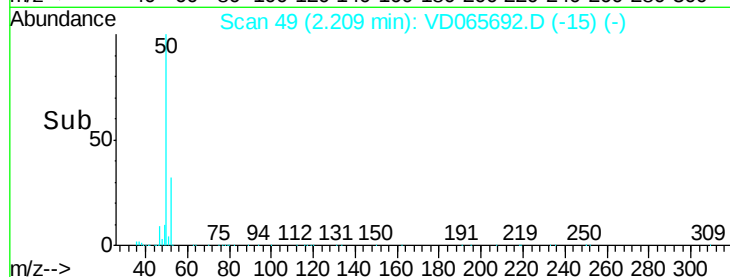
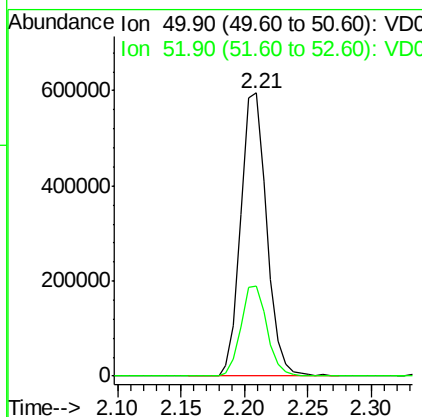
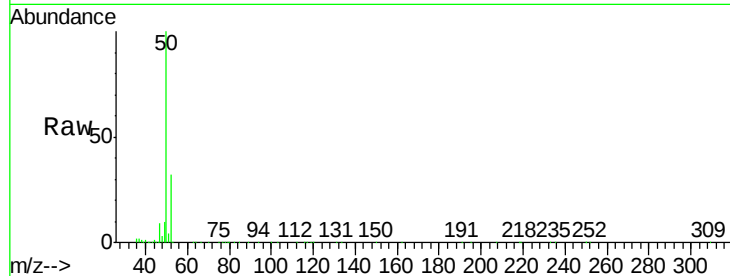




#3
Chloromethane
Concen: 163.039 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

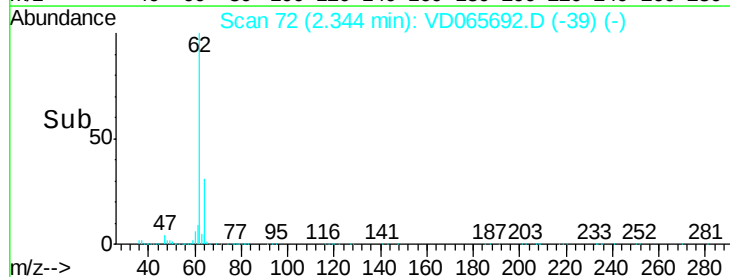
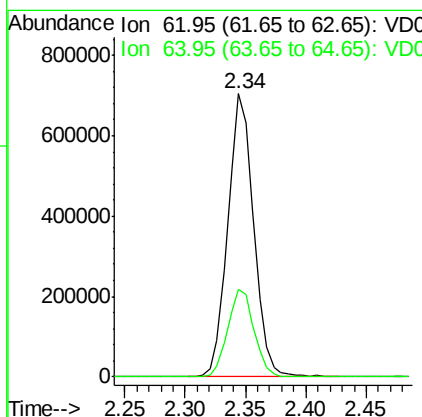
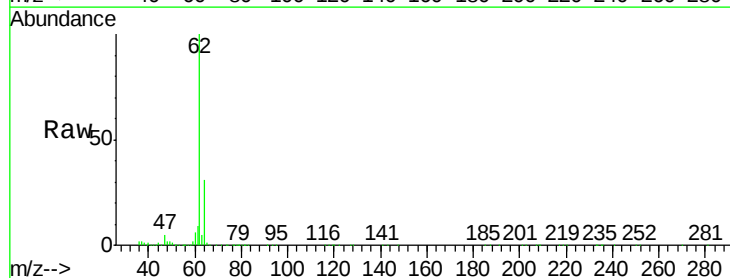
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

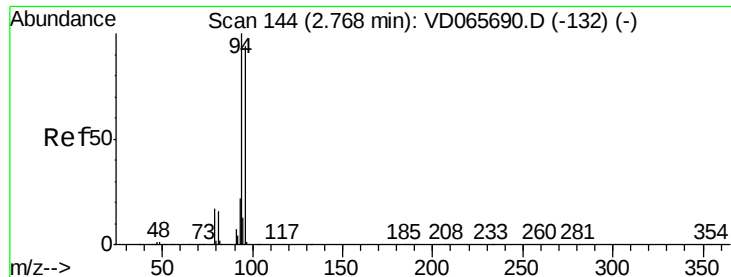
Tot Ion: 50 Resp: 845066
Ion Ratio Lower Upper
50 100
52 32.0 25.2 37.8



#4
Vinyl Chloride
Concen: 209.542 ug/l
RT: 2.34 min Scan# 72
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 62 Resp: 1050718
Ion Ratio Lower Upper
62 100
64 31.1 25.4 38.0





#5

Bromomethane

Concen: 352.533 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

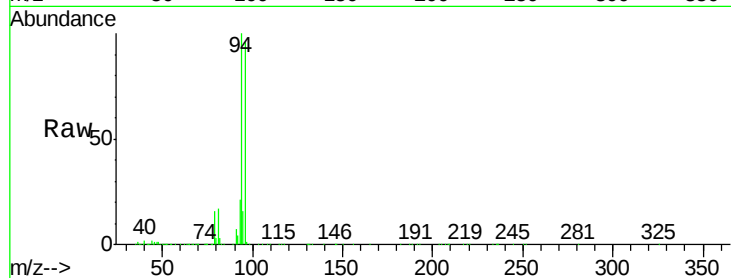
Tot Ion: 94 Resp: 646856

Ion	Ratio	Lower	Upper
94	100		
96	95.6	75.1	112.7
93	21.1	17.8	26.6

94 100

96 95.6 75.1 112.7

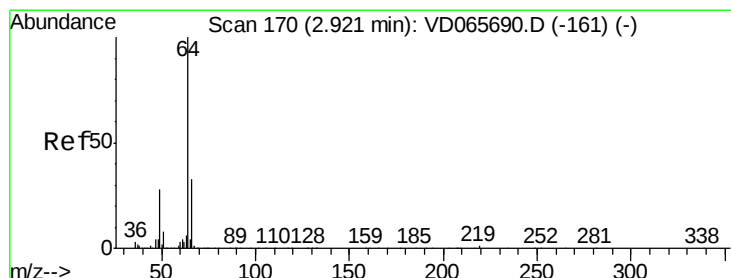
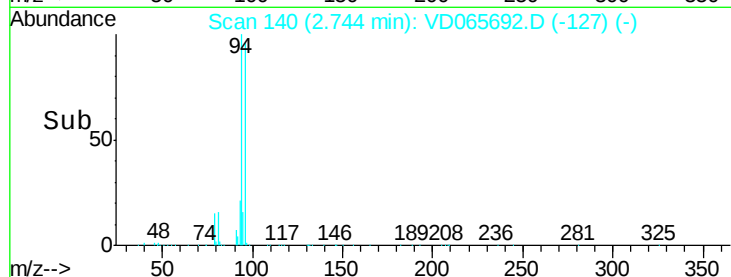
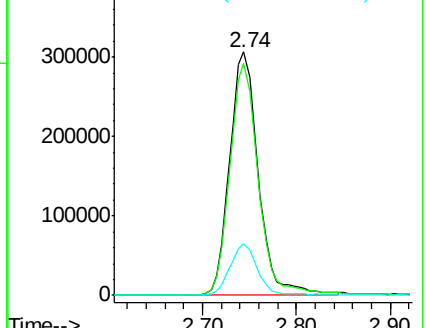
93 21.1 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 317.052 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD065692.D

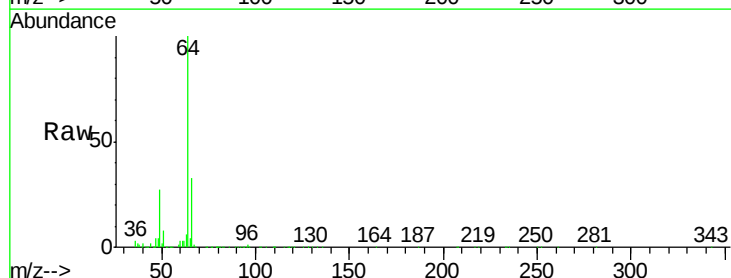
Acq: 01 May 2020 20:08

Tgt Ion: 64 Resp: 688130

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.2	39.2

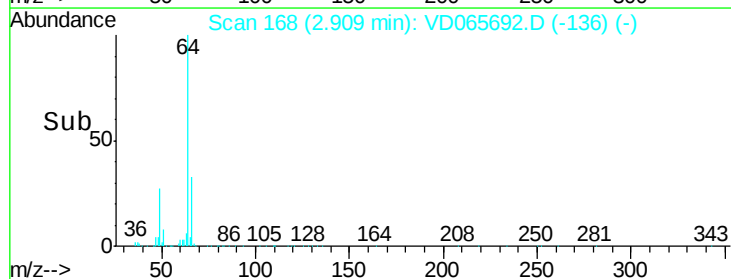
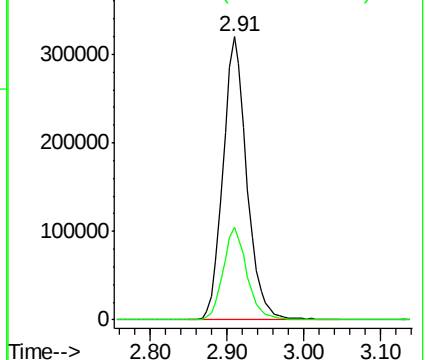
64 100

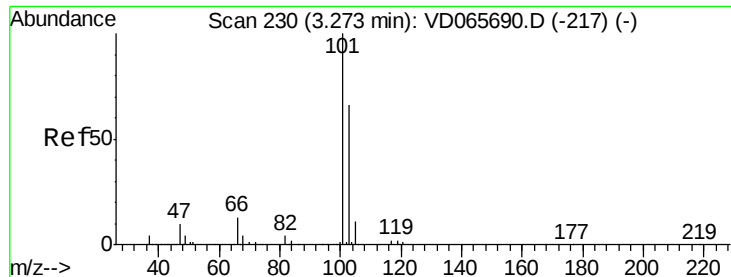
66 32.6 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



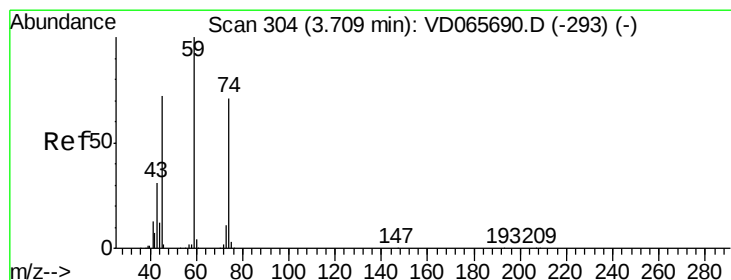
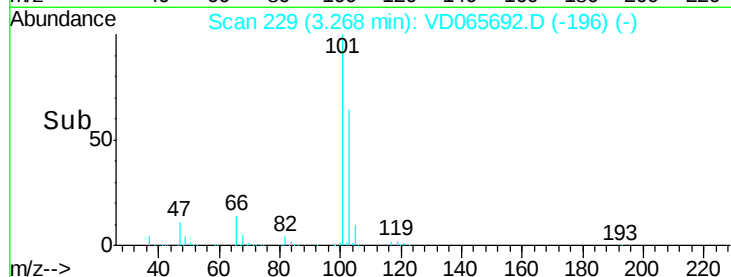
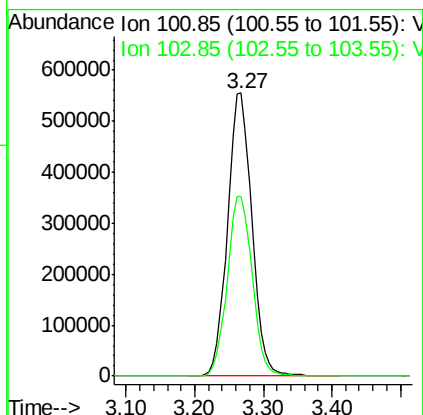
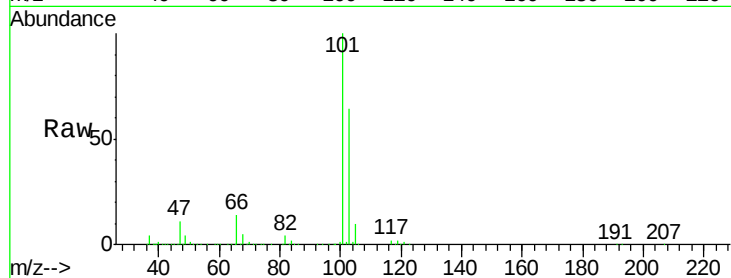


#7

Trichlorofluoromethane
Concen: 187.530 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Instrument :
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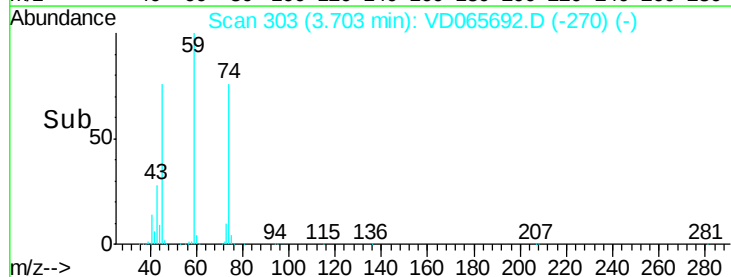
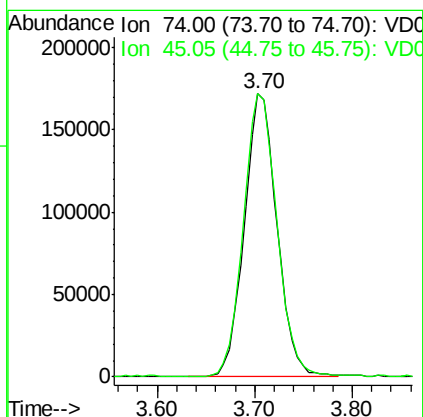
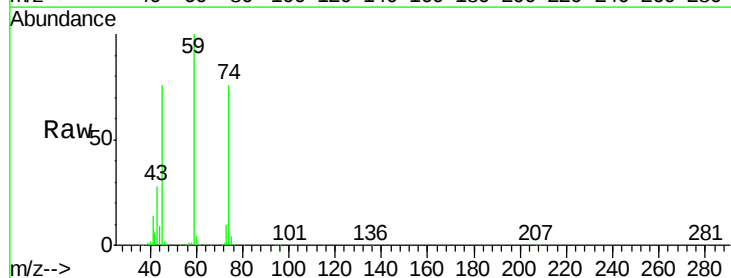
Tot Ion:101 Resp: 1372133
Ion Ratio Lower Upper
101 100
103 63.7 52.6 79.0

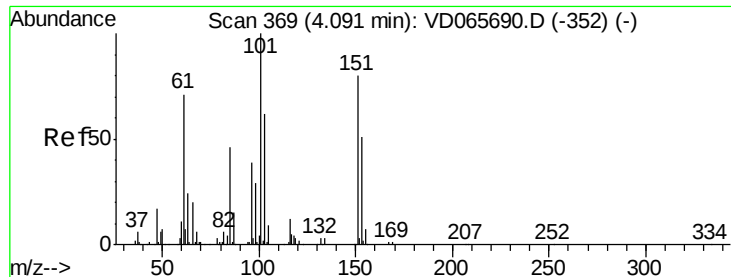


#8

Diethyl Ether
Concen: 205.761 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 74 Resp: 403442
Ion Ratio Lower Upper
74 100
45 100.0 50.8 152.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 132.695 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

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ClientSampleId :

VSTDIC150

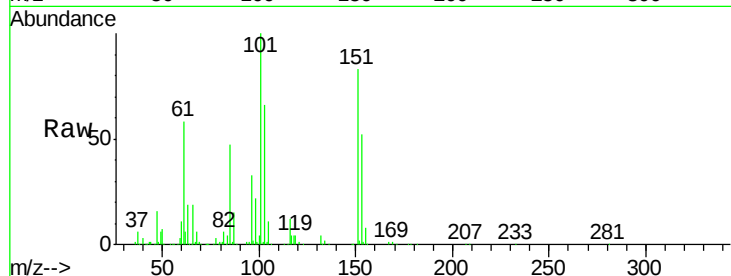
Tot Ion:101 Resp: 825596

Ion Ratio Lower Upper

101 100

85 46.5 36.7 55.1

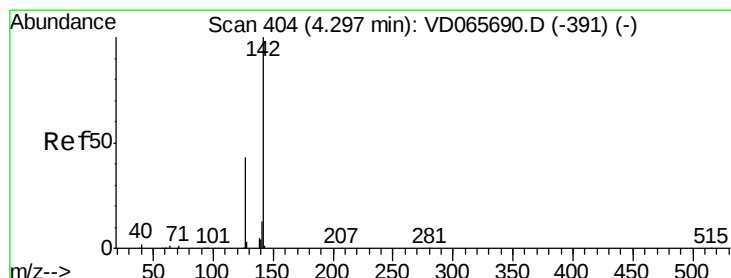
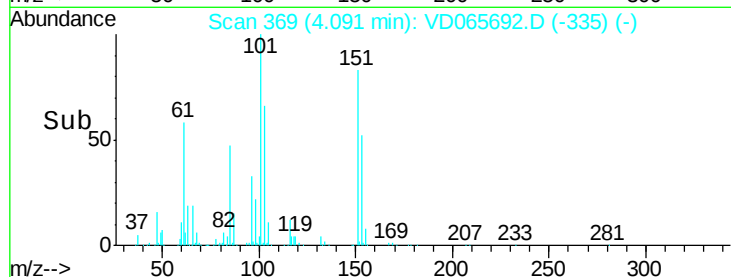
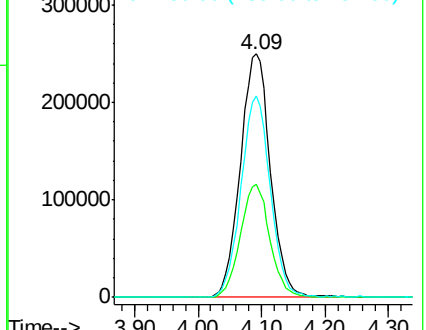
151 82.8 63.8 95.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 130.819 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

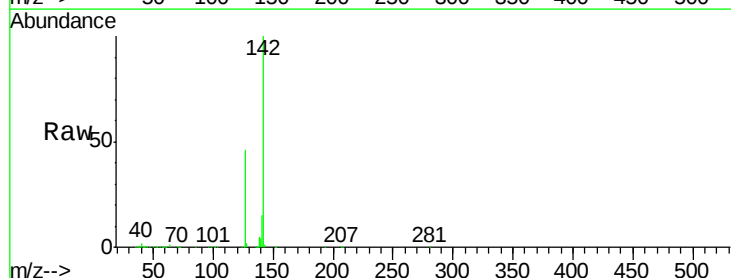
Tgt Ion:142 Resp: 947213

Ion Ratio Lower Upper

142 100

127 46.1 34.3 51.5

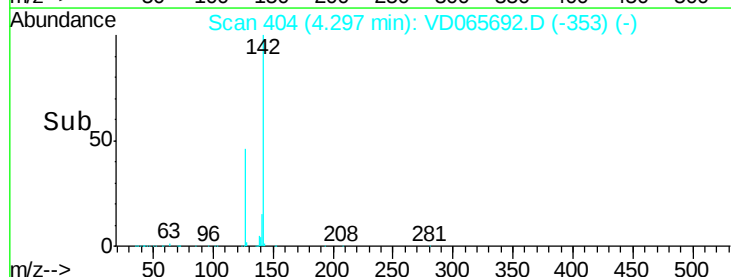
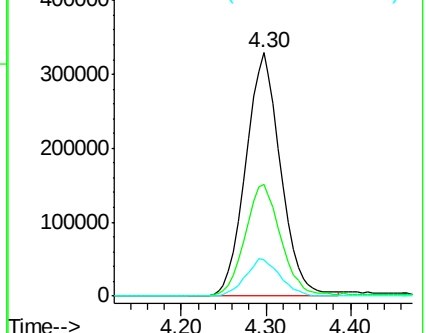
141 14.7 10.3 15.5

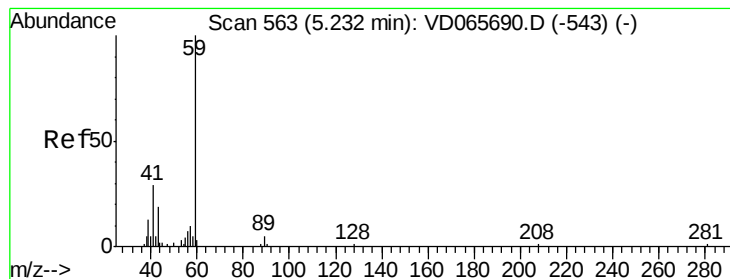


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 829.765 ug/l

RT: 5.23 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

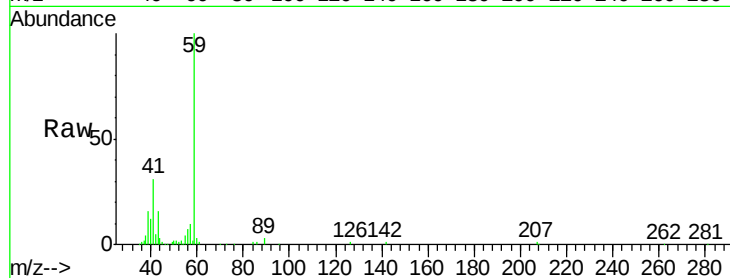
VSTDIC150

Tot Ion: 59 Resp: 253526

Ion Ratio Lower Upper

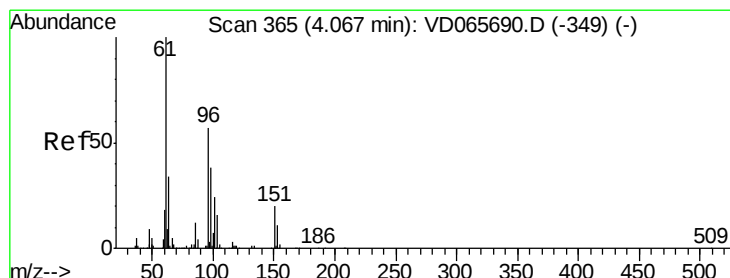
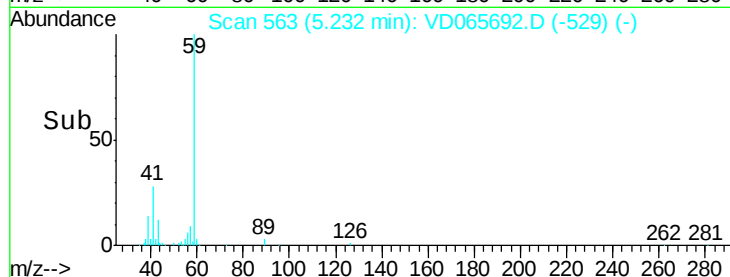
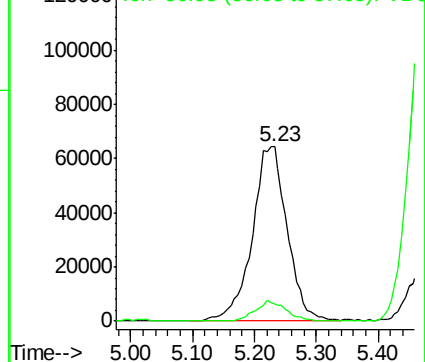
59 100

57 9.7 8.2 12.4



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 144.586 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

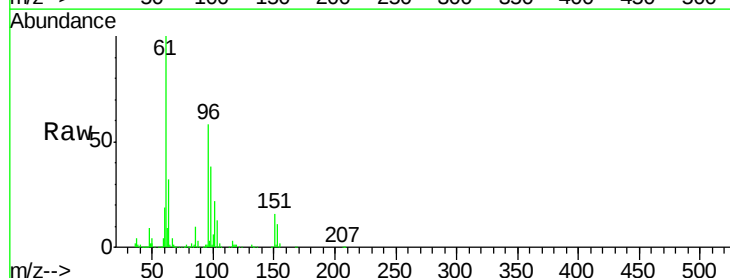
Tgt Ion: 96 Resp: 770760

Ion Ratio Lower Upper

96 100

61 173.5 140.4 210.6

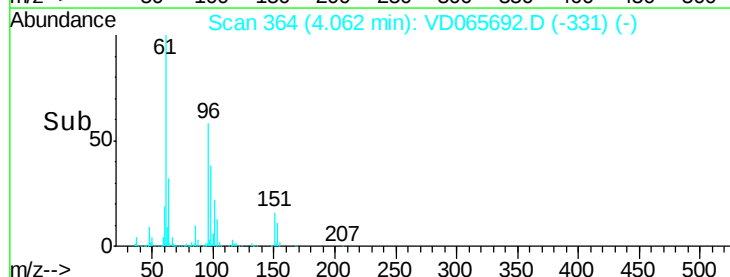
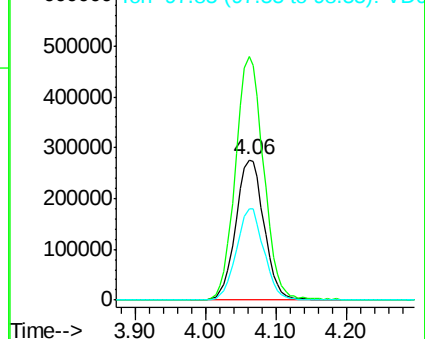
98 65.4 53.4 80.2

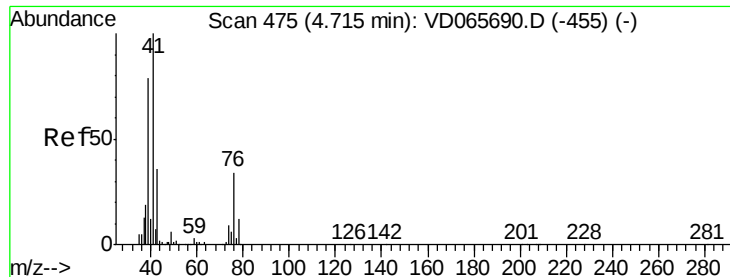


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

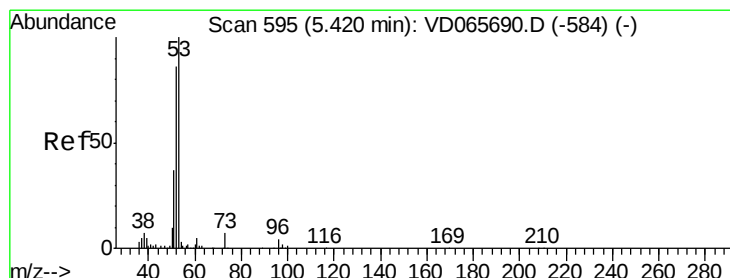
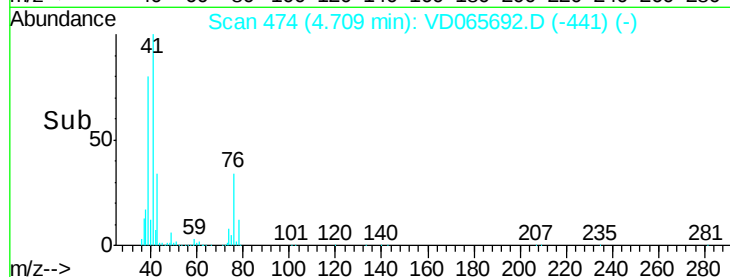
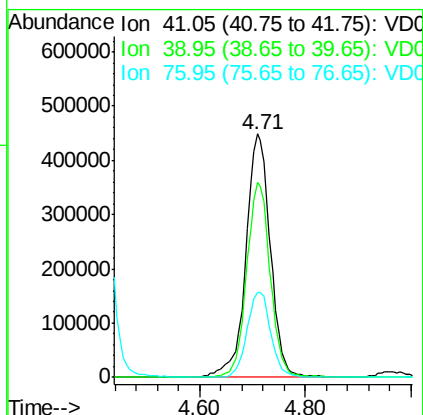
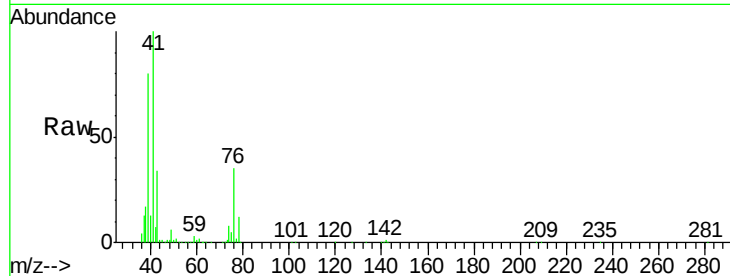




#14
Allvl chloride
Concen: 188.068 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

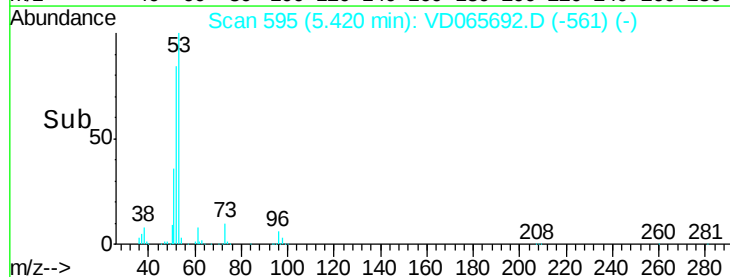
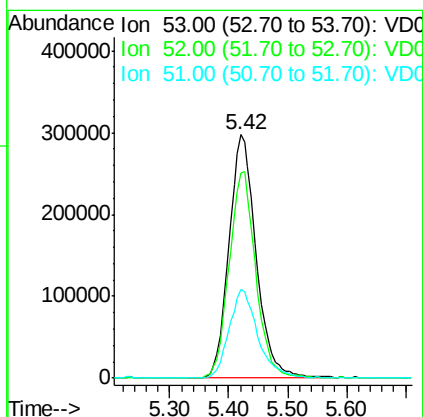
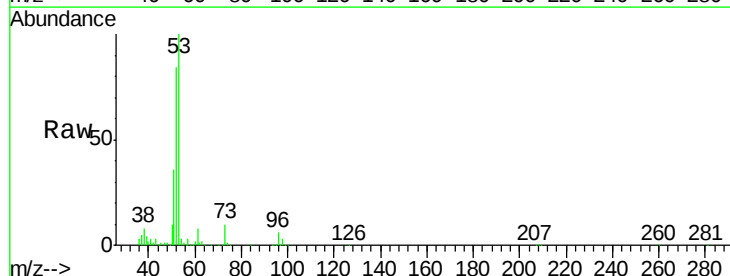
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

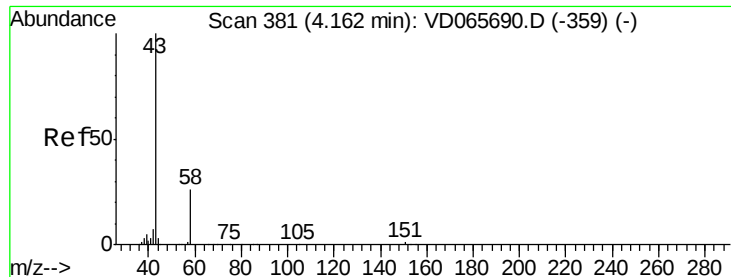
Tot Ion: 41 Resp: 1437735
Ion Ratio Lower Upper
41 100
39 80.2 63.6 95.4
76 35.1 27.4 41.0



#15
Acrylonitrile
Concen: 989.862 ug/l
RT: 5.42 min Scan# 595
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 53 Resp: 956680
Ion Ratio Lower Upper
53 100
52 84.2 69.3 103.9
51 36.5 29.8 44.6

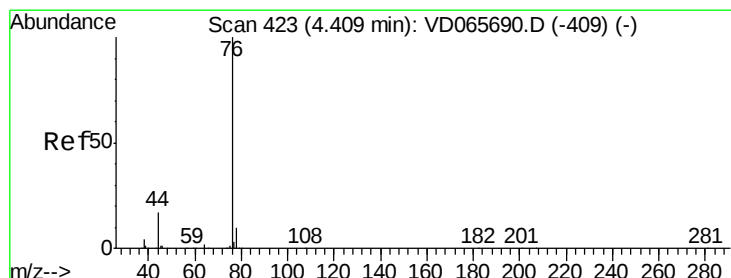
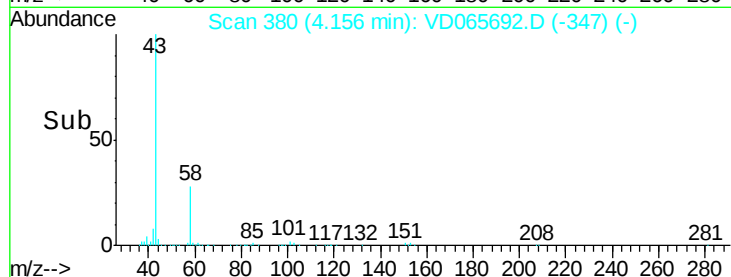
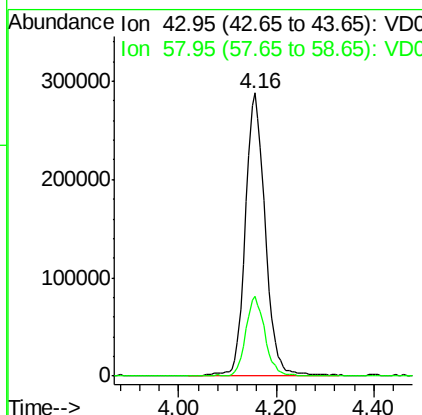
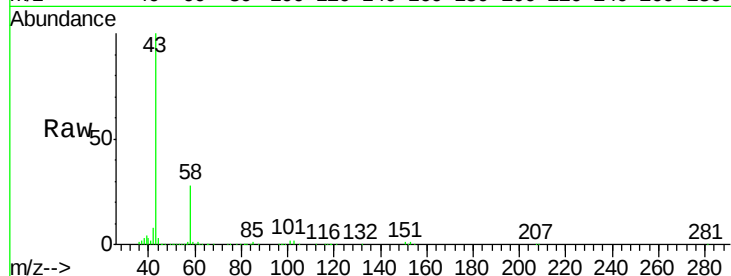




#16
Acetone
Concen: 673.736 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

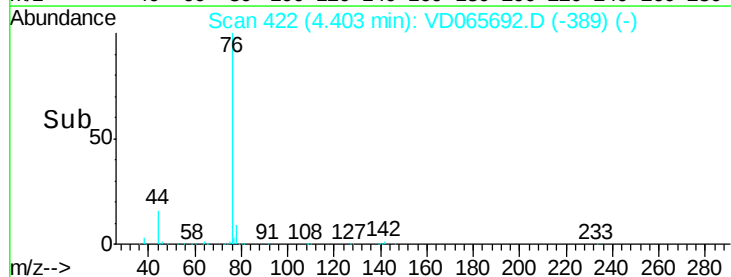
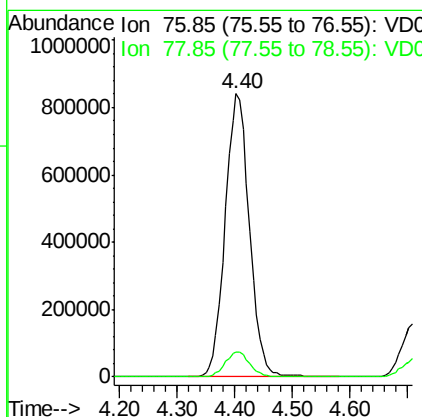
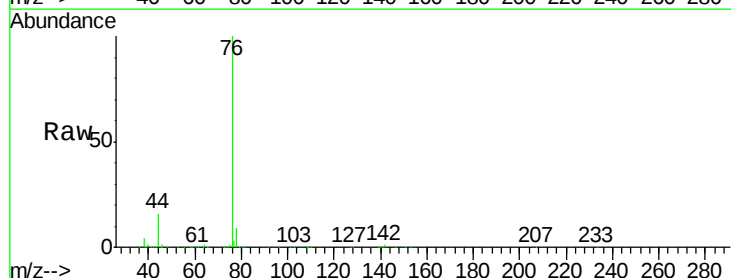
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

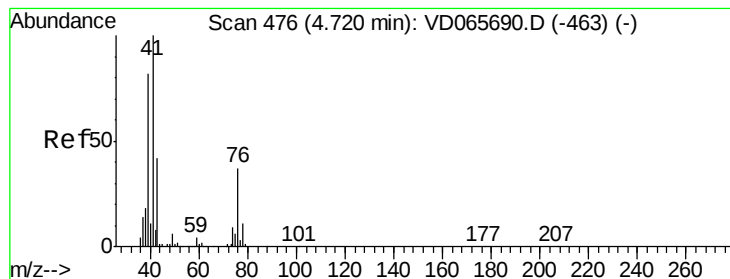
Tot Ion: 43 Resp: 811817
Ion Ratio Lower Upper
43 100
58 28.3 21.0 31.6



#17
Carbon Disulfide
Concen: 155.197 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 76 Resp: 2438594
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.6





#18

Methyl Acetate

Concen: 183.111 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

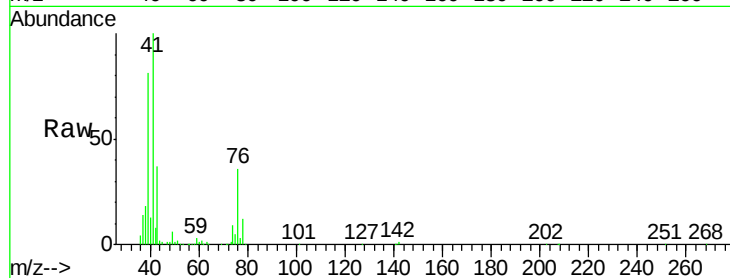
VSTDIC150

Tot Ion: 43 Resp: 489612

Ion Ratio Lower Upper

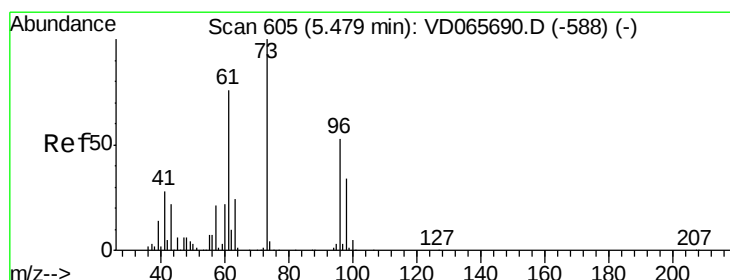
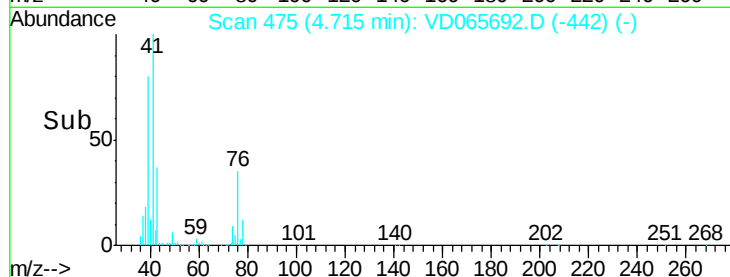
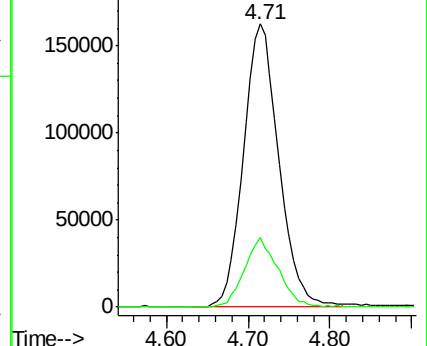
43 100

74 24.8 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#19

Methyl tert-butyl Ether

Concen: 178.261 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD065692.D

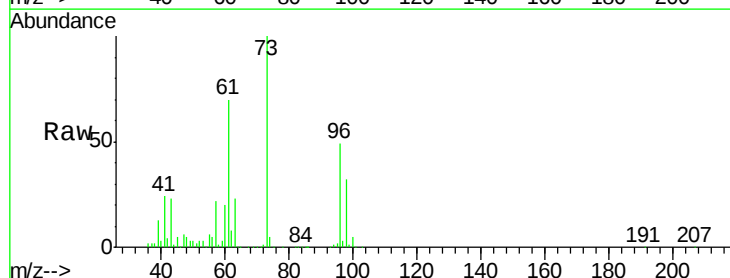
Acq: 01 May 2020 20:08

Tgt Ion: 73 Resp: 1947265

Ion Ratio Lower Upper

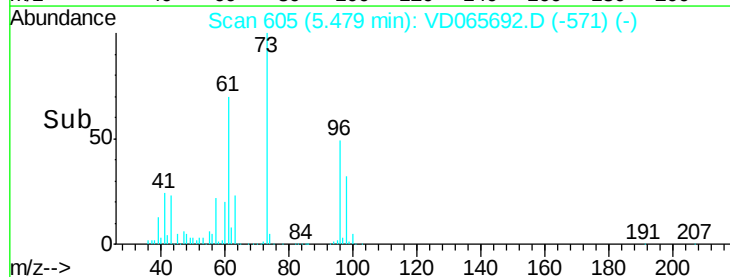
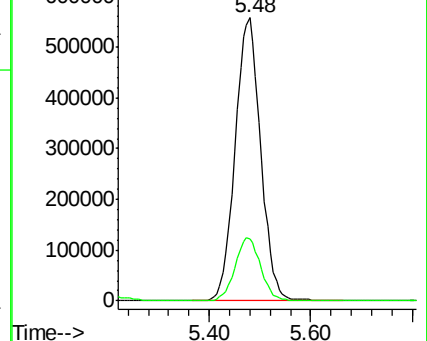
73 100

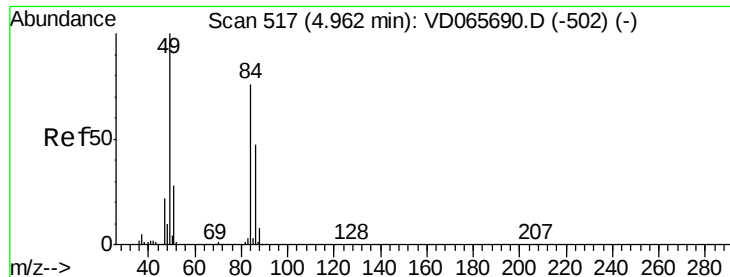
57 21.7 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

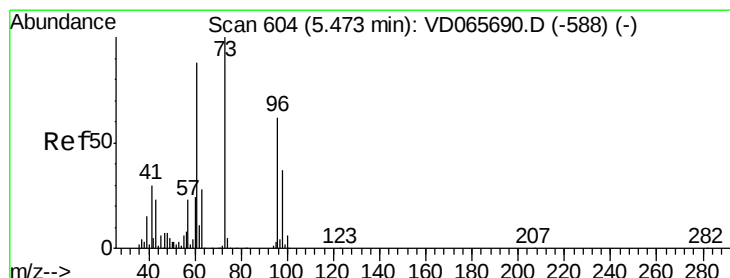
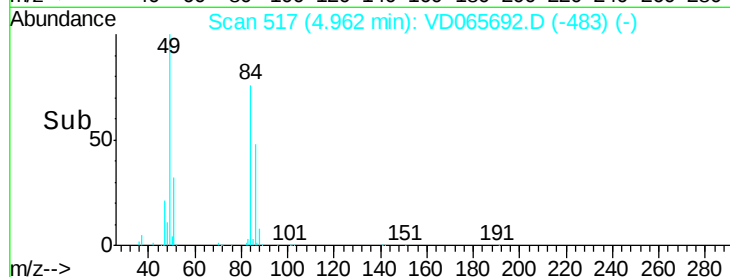
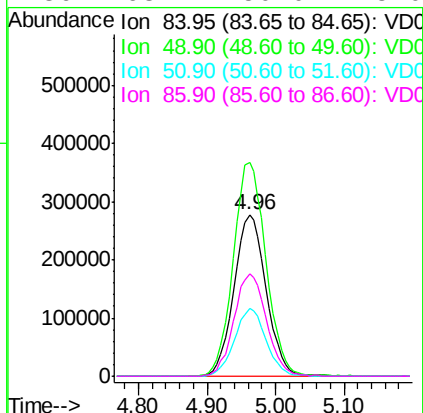
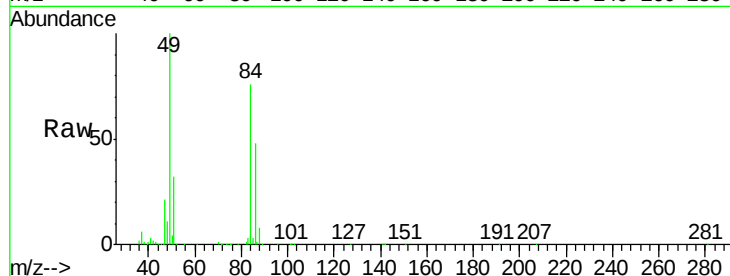




#20
Methvlene Chloride
Concen: 130.683 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

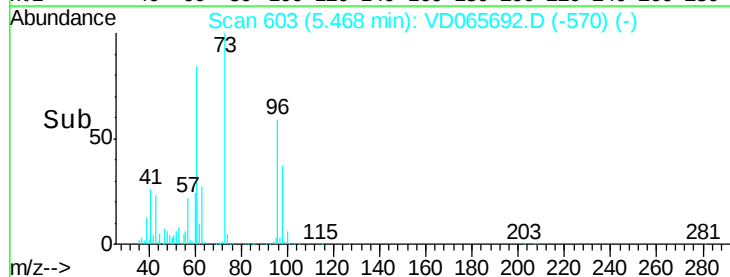
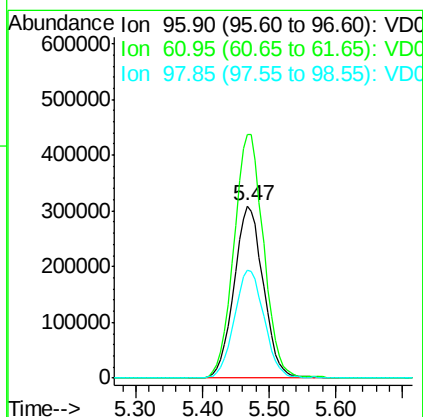
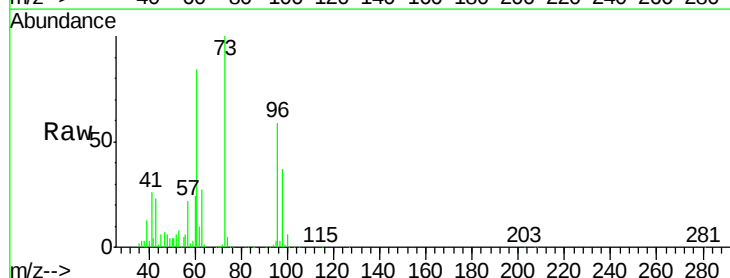
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

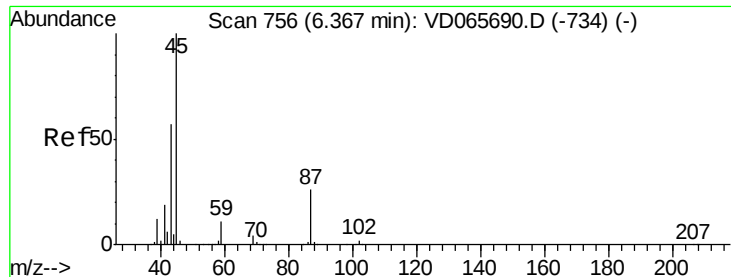
Tot Ion:	84	Resp:	904358
Ion	Ratio	Lower	Upper
84	100		
49	132.3	105.8	158.6
51	42.3	29.4	44.2
86	63.4	50.0	75.0



#21
trans-1,2-Dichloroethene
Concen: 152.782 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion:	96	Resp:	940405
Ion	Ratio	Lower	Upper
96	100		
61	141.5	114.8	172.2
98	62.7	47.9	71.9





#22

Diisopropyl ether

Concen: 167.116 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 45 Resp: 2915769

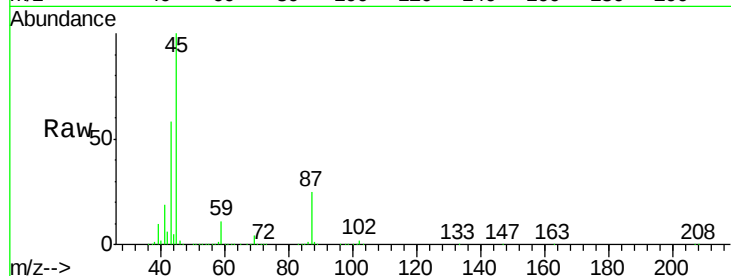
Ion	Ratio	Lower	Upper
45	100		
43	58.3	45.8	68.6
87	25.3	20.6	31.0
59	11.5	9.2	13.8

45 100

43 58.3 45.8 68.6

87 25.3 20.6 31.0

59 11.5 9.2 13.8

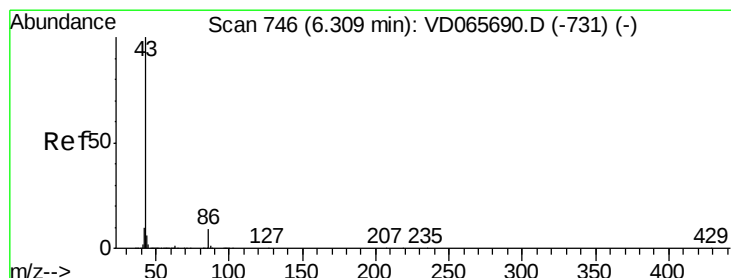
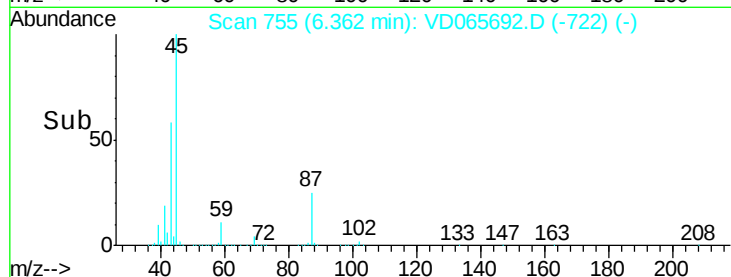
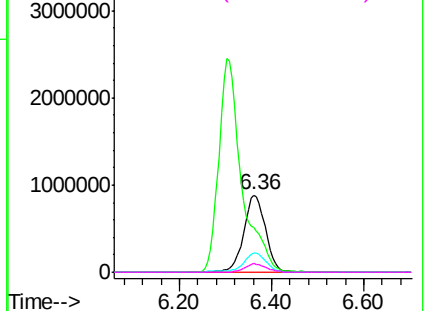


Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC



#23

Vinyl Acetate

Concen: 921.560 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065692.D

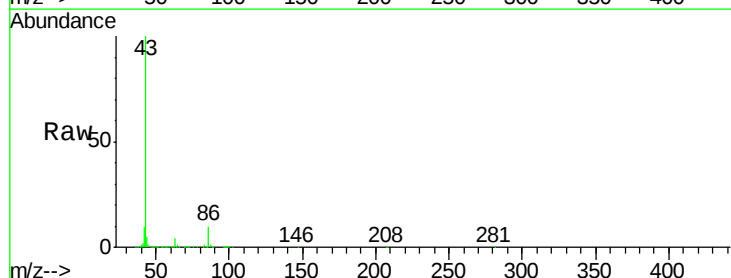
Acq: 01 May 2020 20:08

Tgt Ion: 43 Resp: 8496916

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.4	11.2

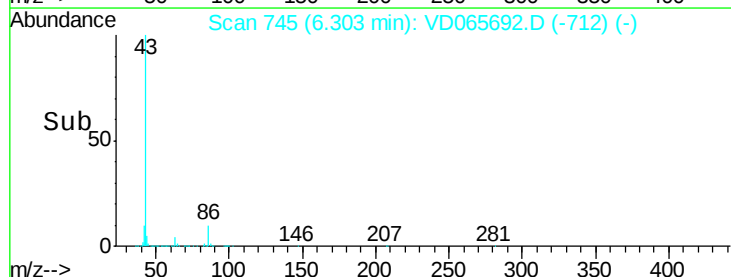
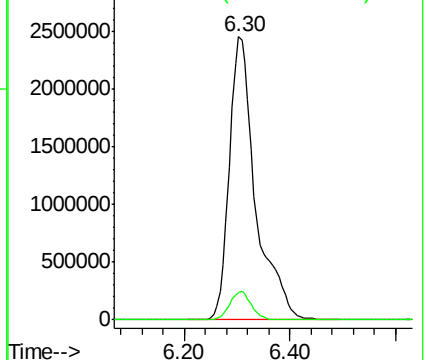
43 100

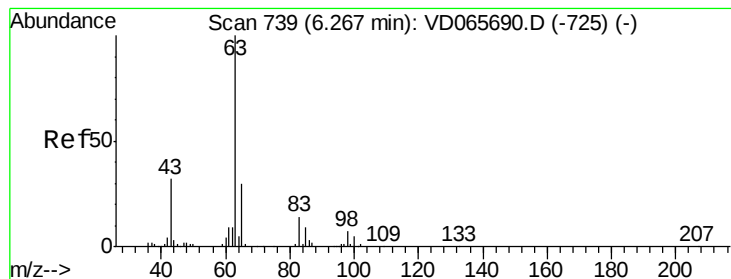
86 9.7 7.4 11.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 156.492 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

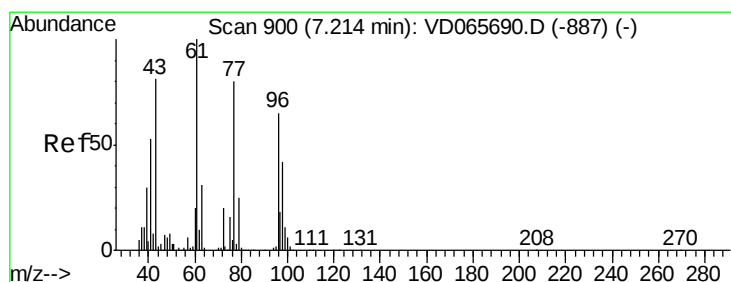
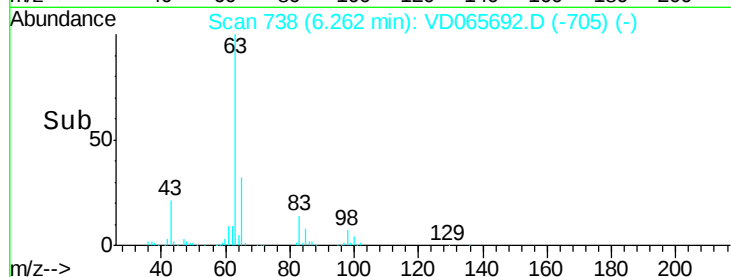
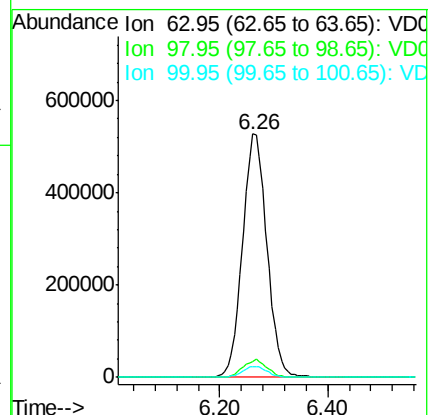
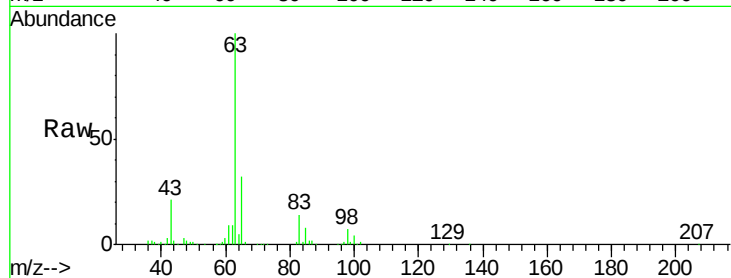
Tot Ion: 63 Resp: 1651119

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.5 2.3 6.9



#25

2-Butanone

Concen: 820.844 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065692.D

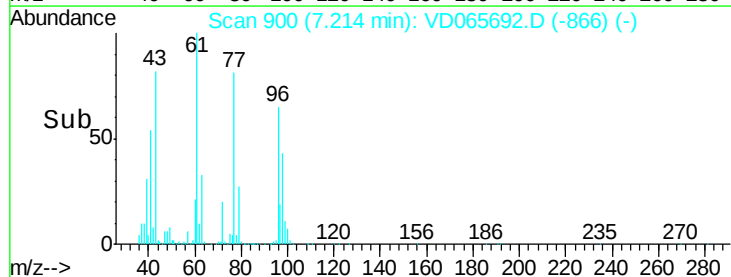
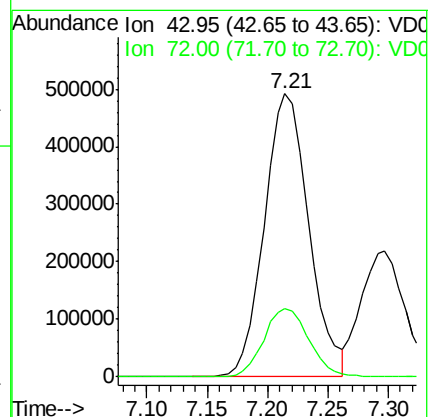
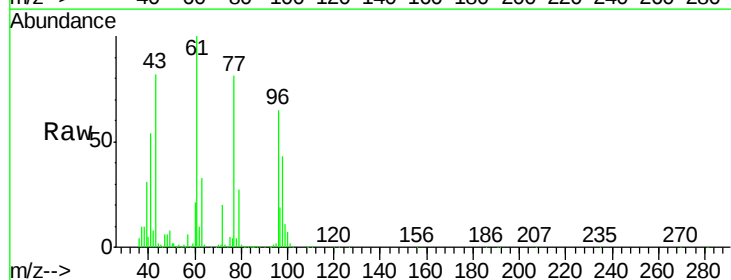
Acq: 01 May 2020 20:08

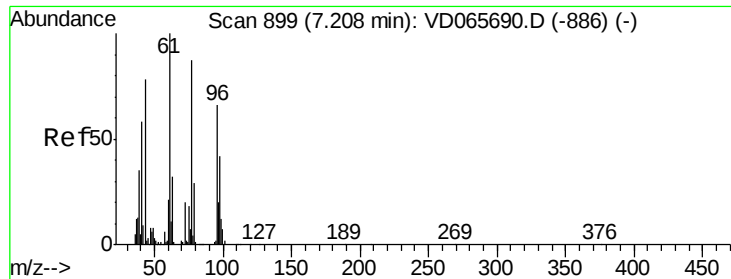
Tgt Ion: 43 Resp: 1249336

Ion Ratio Lower Upper

43 100

72 24.1 19.2 28.8





#26

2,2-Dichloropropane

Concen: 158.990 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

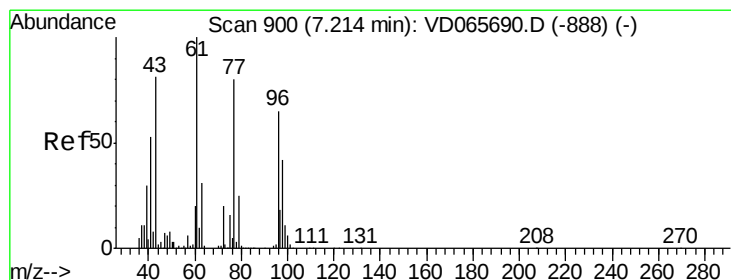
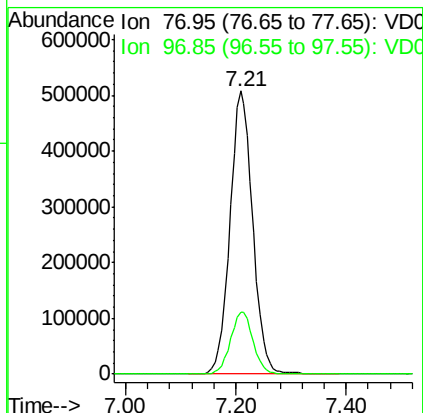
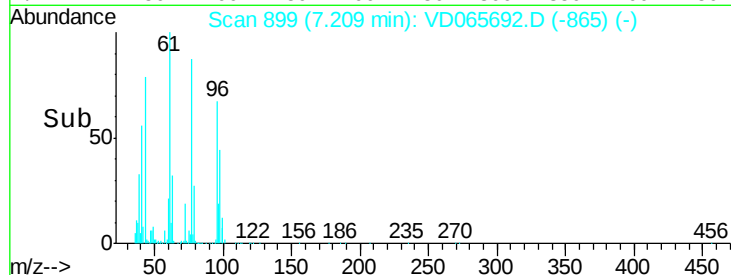
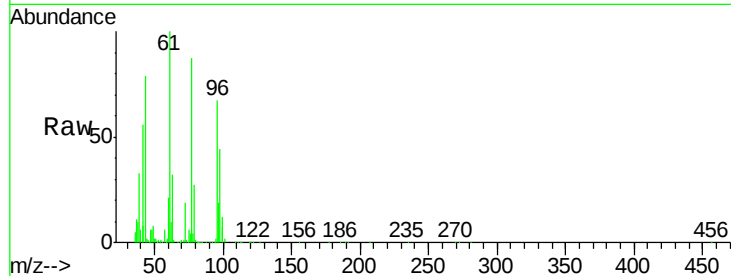
VSTDICC150

Tot Ion: 77 Resp: 1456170

Ion Ratio Lower Upper

77 100

97 21.7 11.7 35.1



#27

cis-1,2-Dichloroethene

Concen: 146.834 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

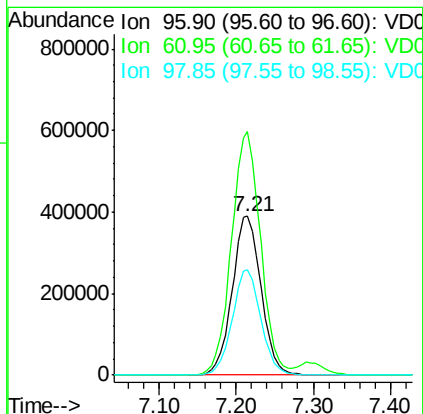
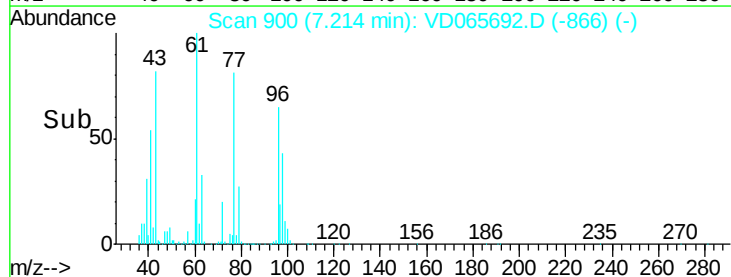
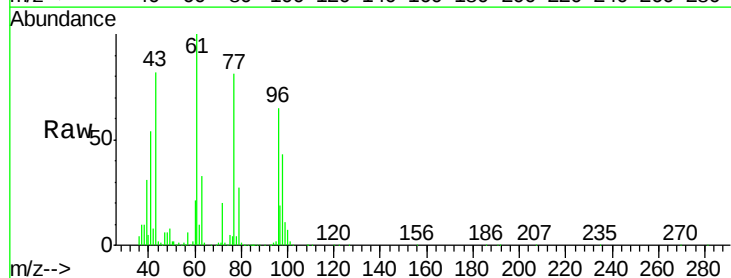
Tgt Ion: 96 Resp: 1026659

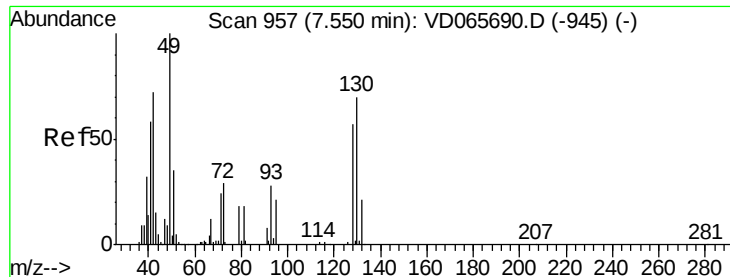
Ion Ratio Lower Upper

96 100

61 153.3 0.0 307.2

98 66.5 0.0 128.8





#28

Bromochloromethane

Concen: 156.827 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

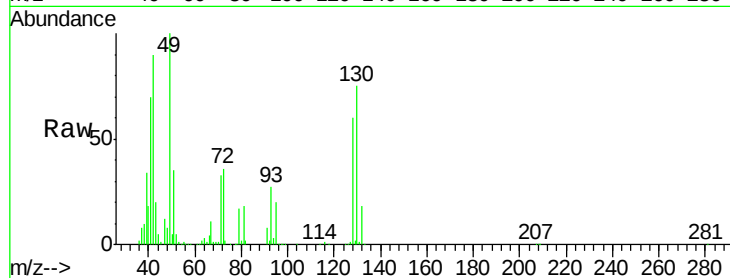
Tot Ion: 49 Resp: 639436

Ion Ratio Lower Upper

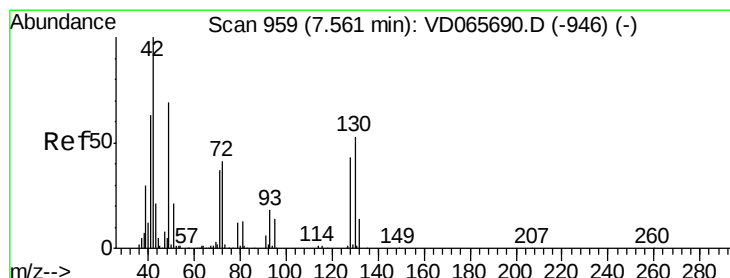
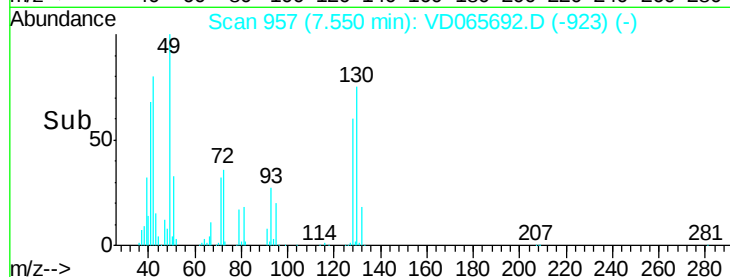
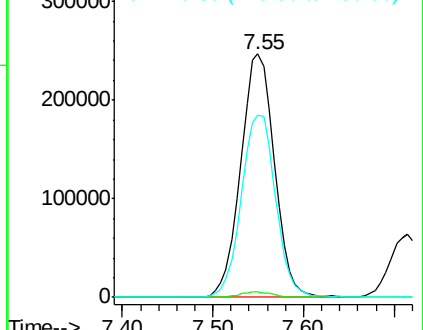
49 100

129 2.5 0.0 4.8

130 74.7 55.8 83.6



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



#29

Tetrahydrofuran

Concen: 1023.417 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

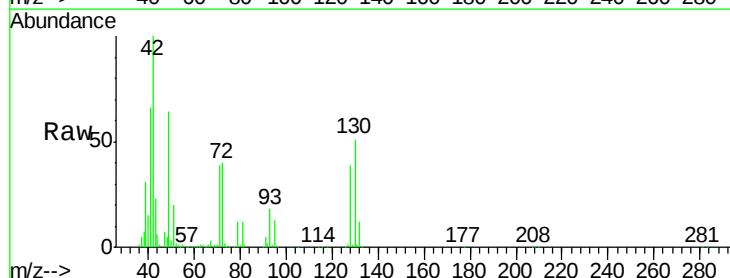
Tgt Ion: 42 Resp: 804250

Ion Ratio Lower Upper

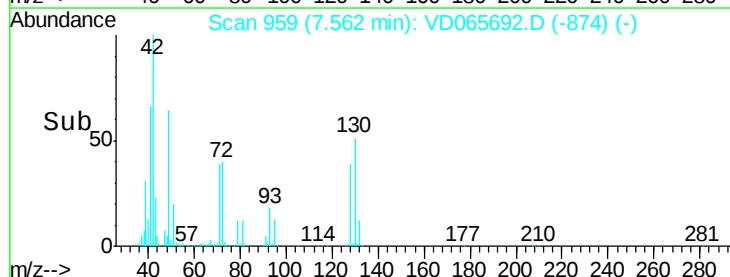
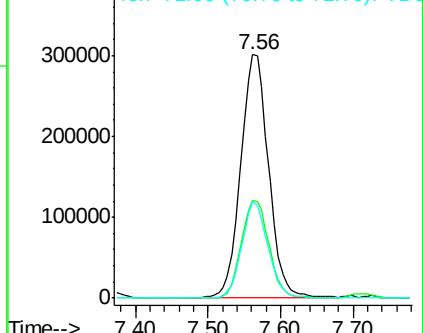
42 100

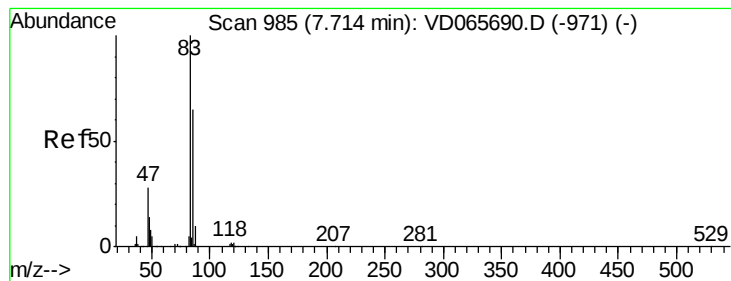
72 40.0 32.2 48.2

71 37.1 29.7 44.5



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: 147.694 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

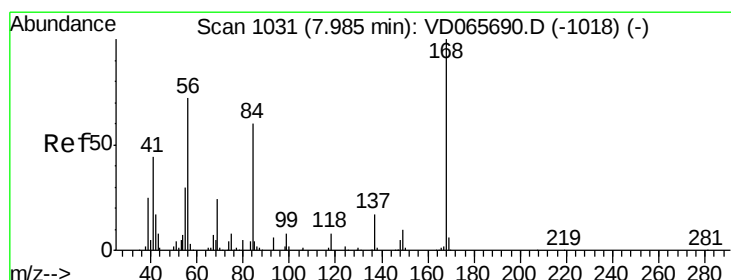
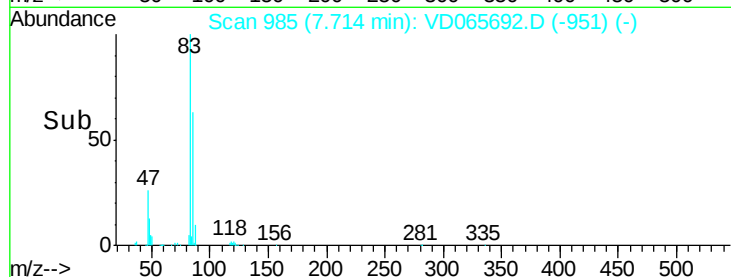
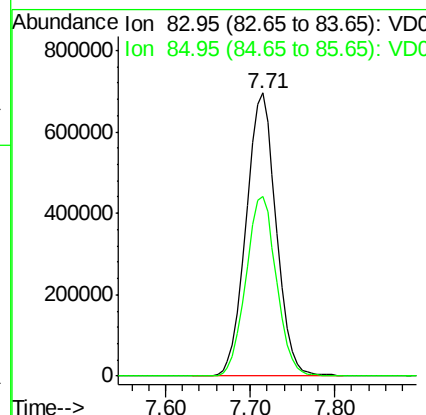
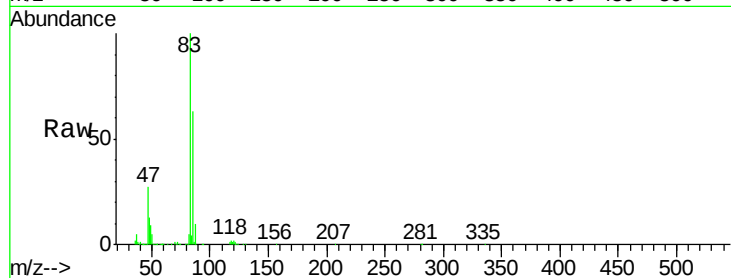
VSTDIC150

Tot Ion: 83 Resp: 1719124

Ion Ratio Lower Upper

83 100

85 63.5 52.3 78.5



#31

Cyclohexane

Concen: 184.470 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

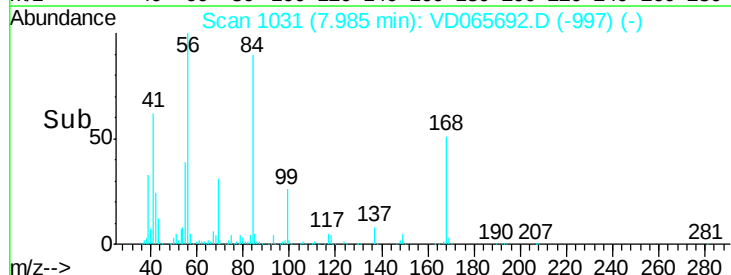
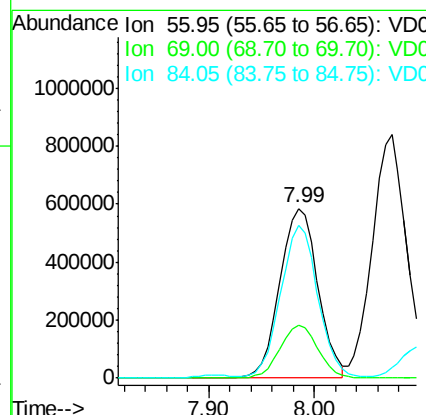
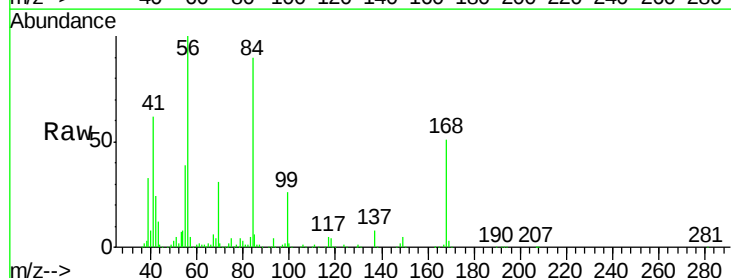
Tgt Ion: 56 Resp: 1463149

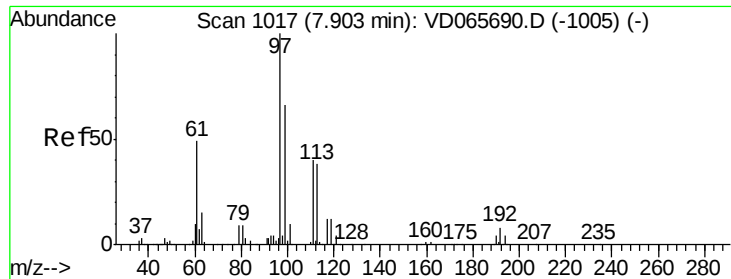
Ion Ratio Lower Upper

56 100

69 31.5 26.2 39.4

84 89.9 67.8 101.8





#32

1,1,1-Trichloroethane

Concen: 153.888 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

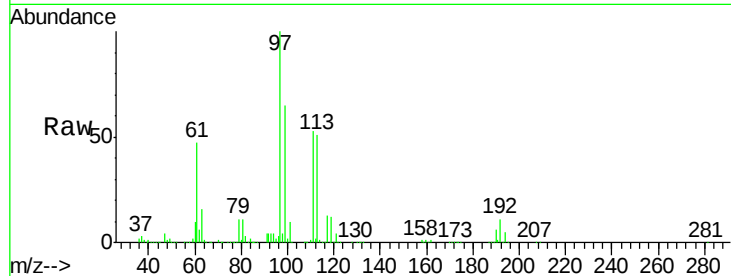
MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 1557449

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.9	79.3
61	46.5	39.0	58.4

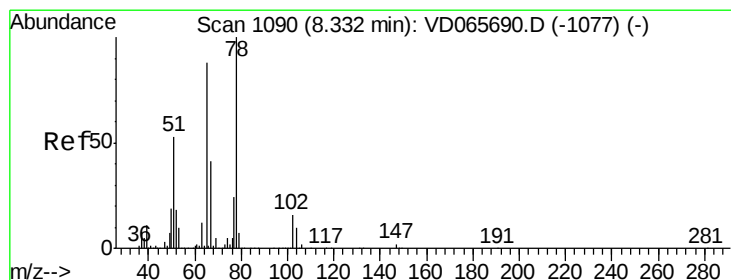
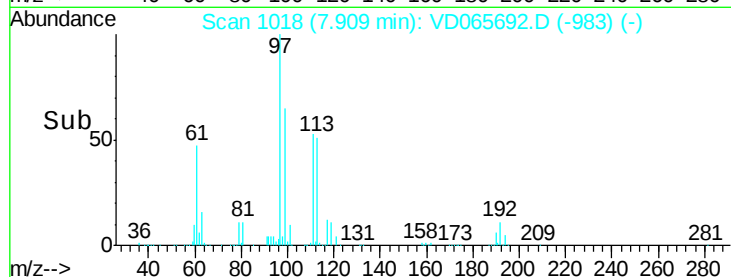
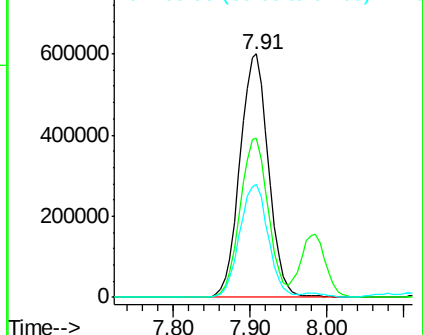


Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 177.512 ug/l

RT: 8.33 min Scan# 1090

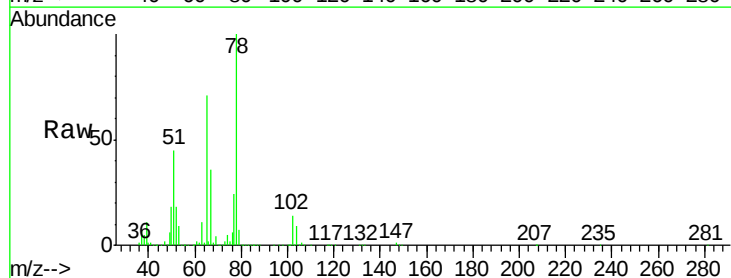
Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Tgt Ion: 65 Resp: 973742

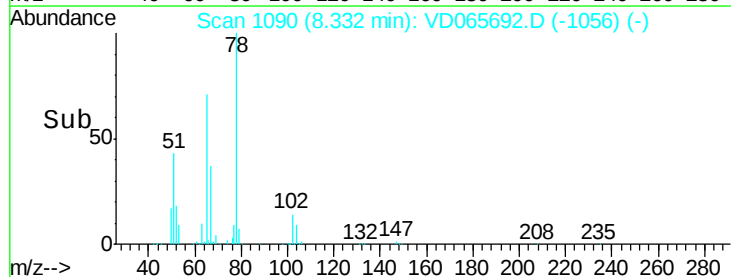
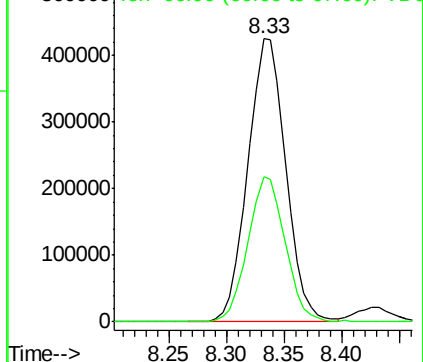
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	93.2

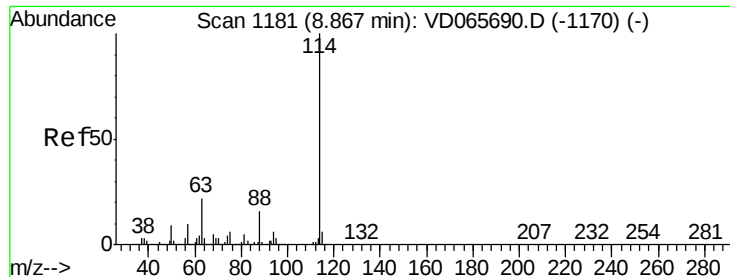


Abundance

Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

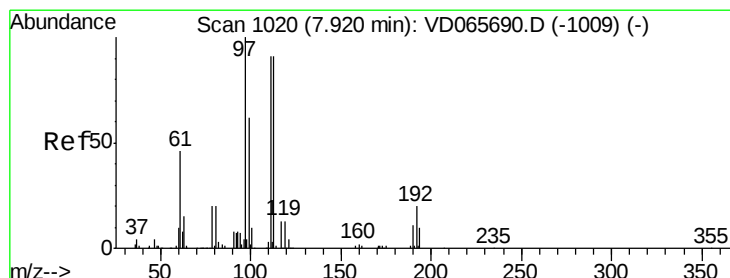
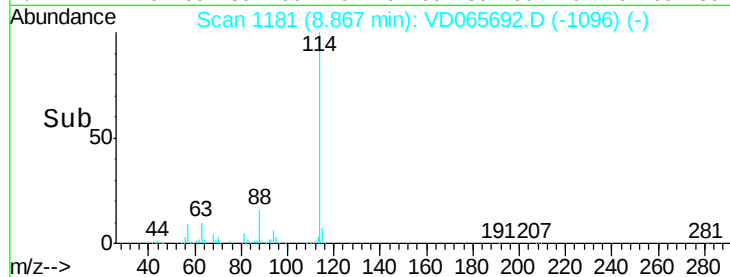
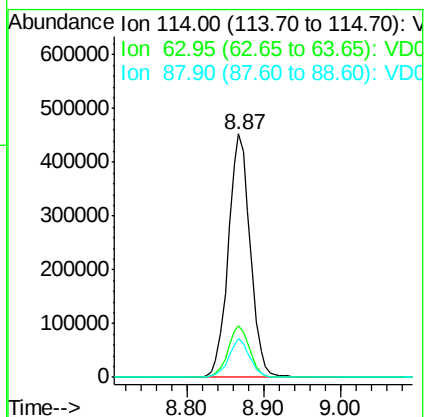
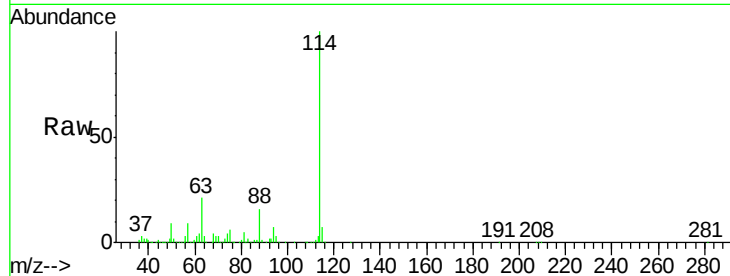




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

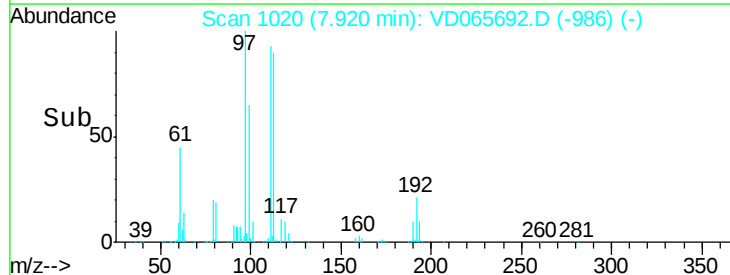
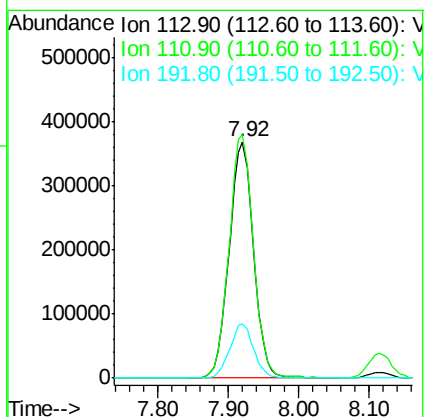
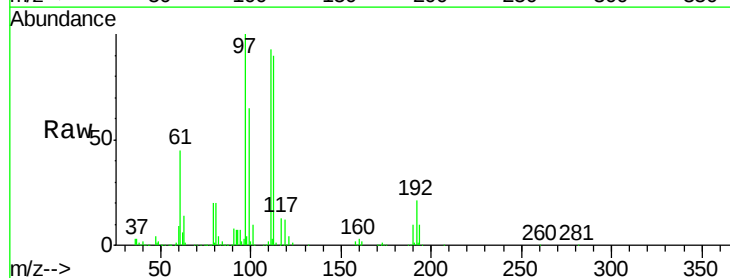
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

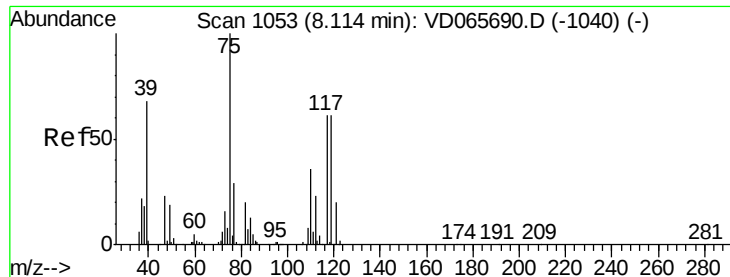
Tot Ion:114 Resp: 898827
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 44.0
 88 15.7 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 141.529 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion:113 Resp: 885129
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.2 120.4
 192 22.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 184.552 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

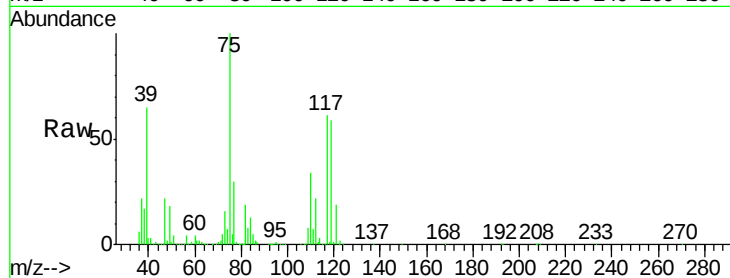
MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 75 Resp: 1346669

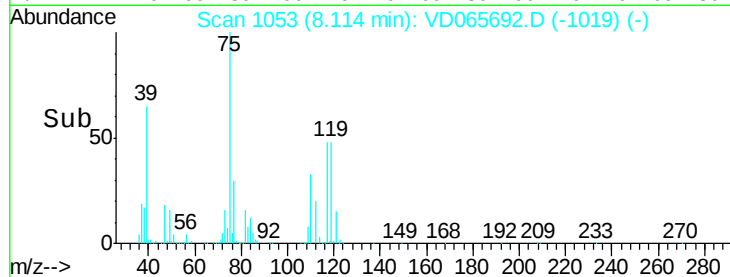
Ion	Ratio	Lower	Upper
75	100		
110	34.4	18.0	54.0
77	30.3	23.5	35.3



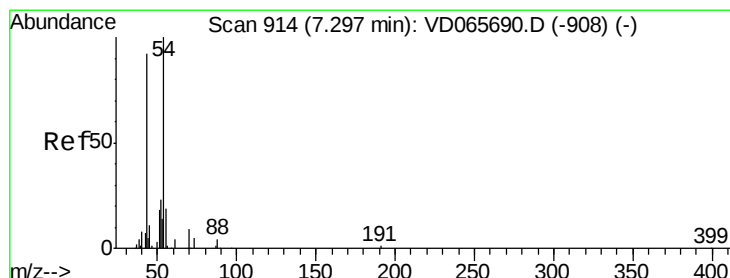
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->



#37

Ethyl Acetate

Concen: 177.963 ug/l

RT: 7.30 min Scan# 914

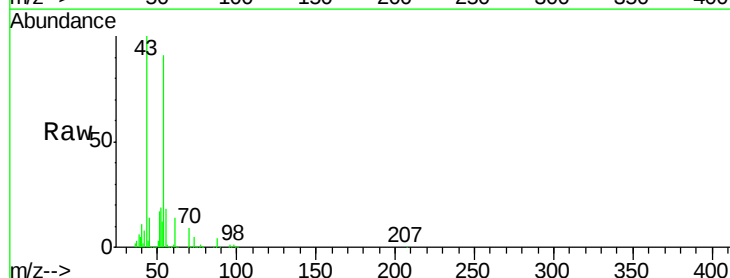
Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Tgt Ion: 43 Resp: 565088

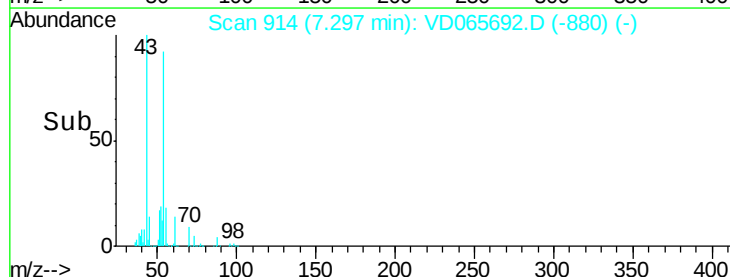
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.6	16.0
70	9.1	7.0	10.4



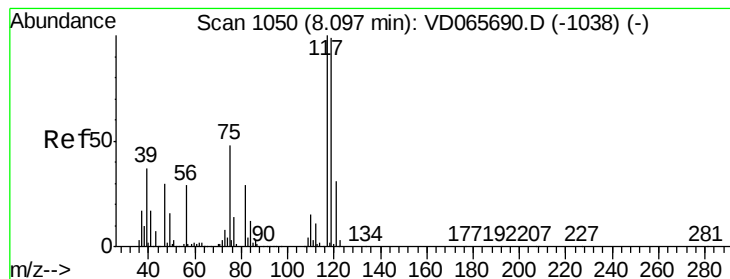
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



Time-->



#38

Carbon Tetrachloride

Concen: 164.135 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

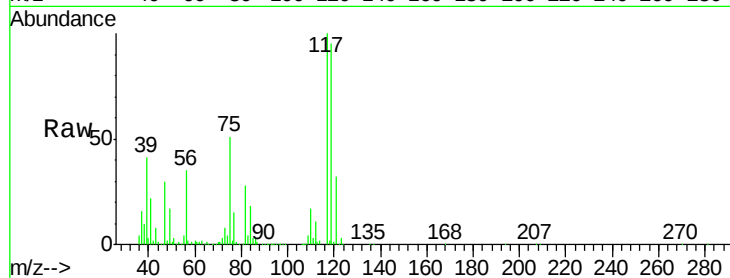
MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:117 Resp: 1461093

Ion	Ratio	Lower	Upper
117	100		
119	95.1	79.0	118.6
121	31.8	24.9	37.3

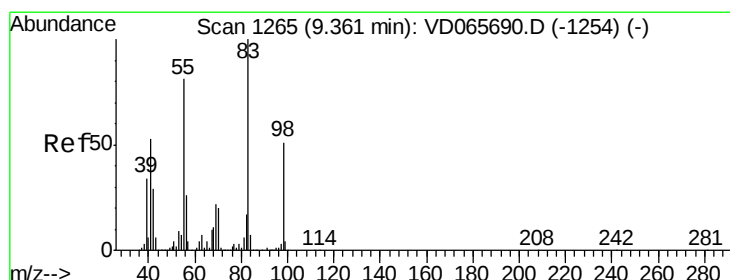
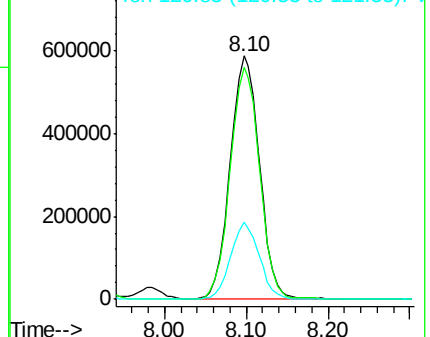
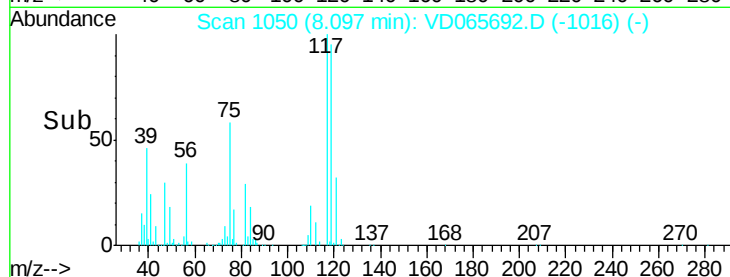


Abundance

Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 215.547 ug/l

RT: 9.36 min Scan# 1265

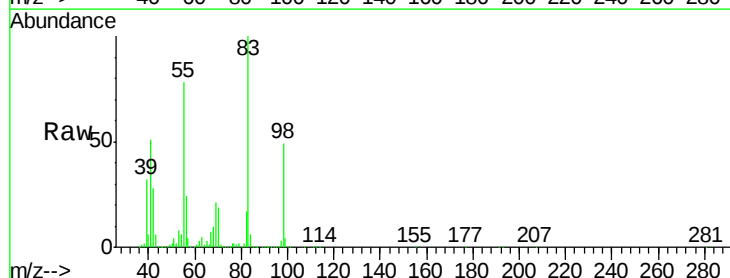
Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Tgt Ion: 83 Resp: 1598104

Ion	Ratio	Lower	Upper
83	100		
55	78.0	65.0	97.4
98	49.1	41.2	61.8

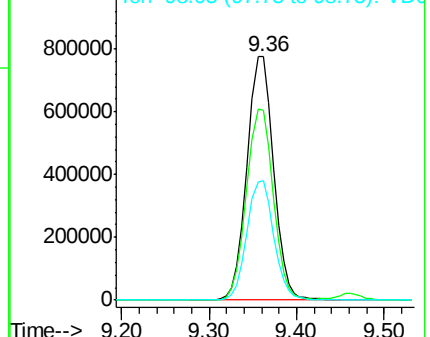
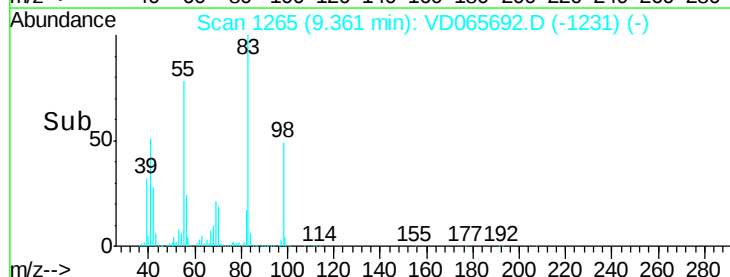


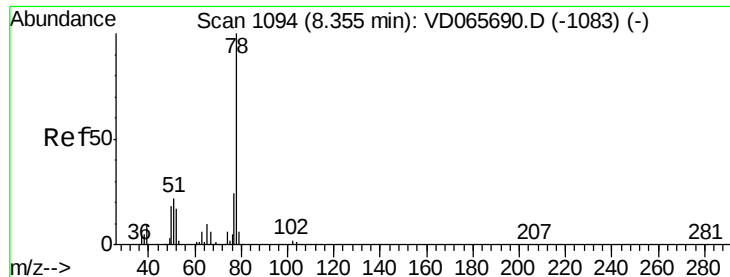
Abundance

Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 205.612 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

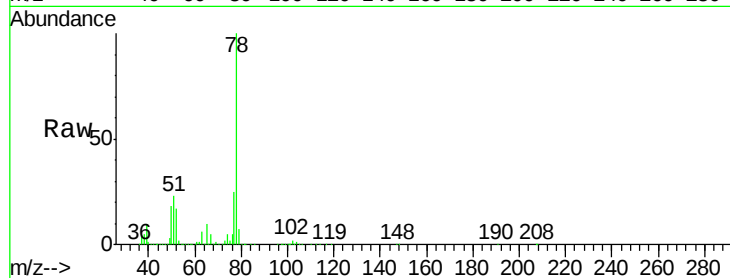
VSTDIC150

Tot Ion: 78 Resp: 3824686

Ion Ratio Lower Upper

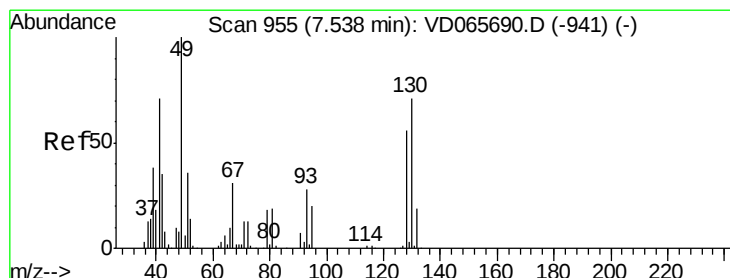
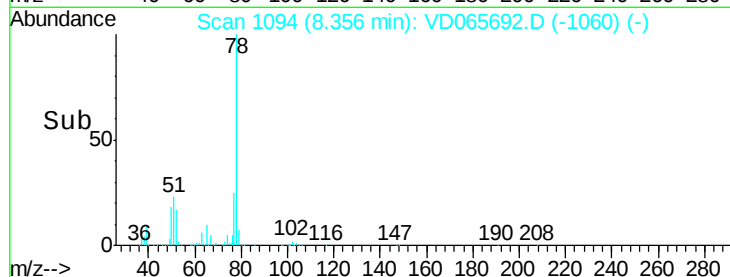
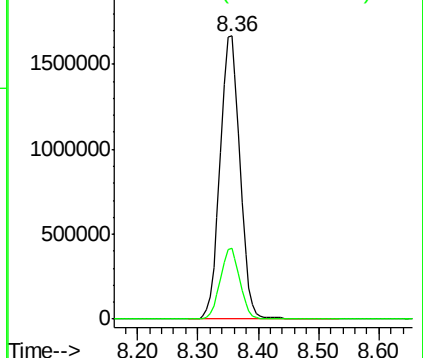
78 100

77 25.0 19.2 28.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#41

Methacrylonitrile

Concen: 99.300 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Tgt Ion: 41 Resp: 324876

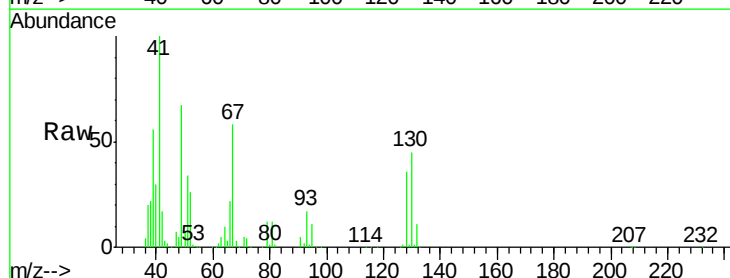
Ion Ratio Lower Upper

41 100

39 56.5 42.8 64.2

67 58.0 34.8 52.2#

52 25.8 15.5 23.3#

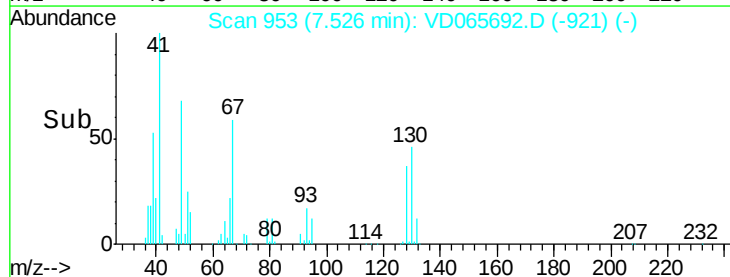
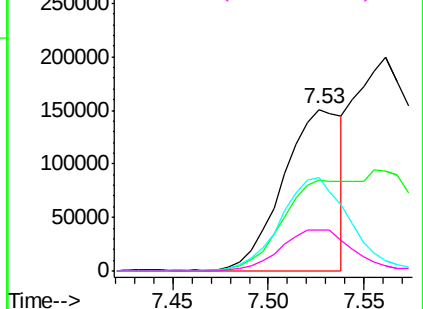


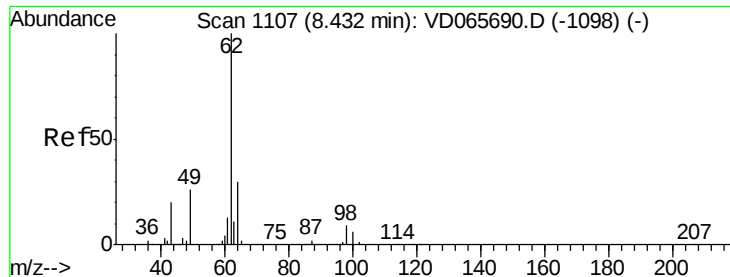
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#42

1,2-Dichloroethane

Concen: 185.846 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

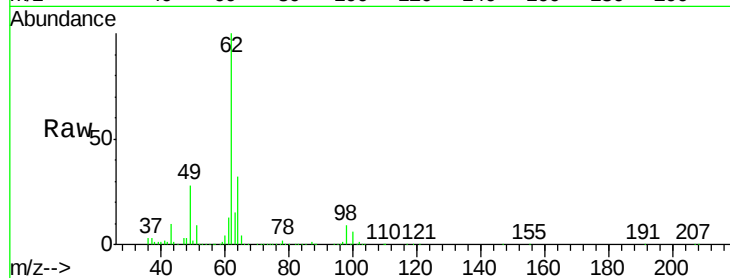
VSTDIC150

Tot Ion: 62 Resp: 1163973

Ion Ratio Lower Upper

62 100

98 9.1 0.0 17.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

8.43

500000

400000

300000

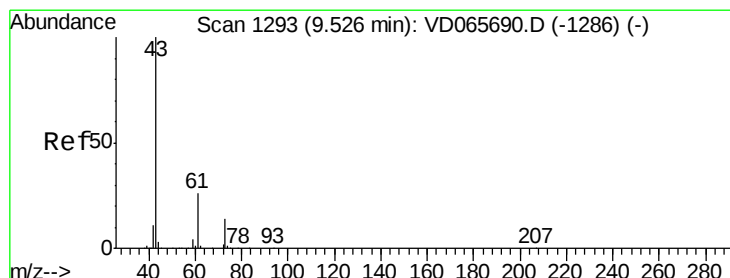
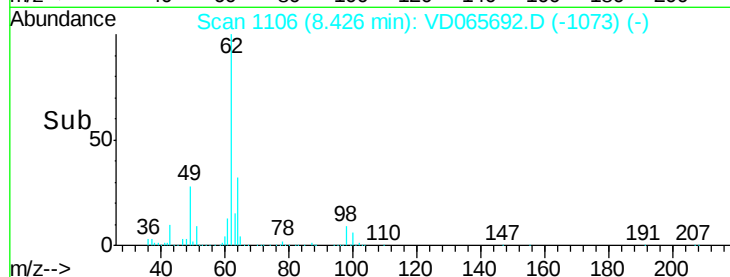
200000

100000

0

8.40 8.50

Time-->



#43

Isopropyl Acetate

Concen: 181.011 ug/l

RT: 9.53 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

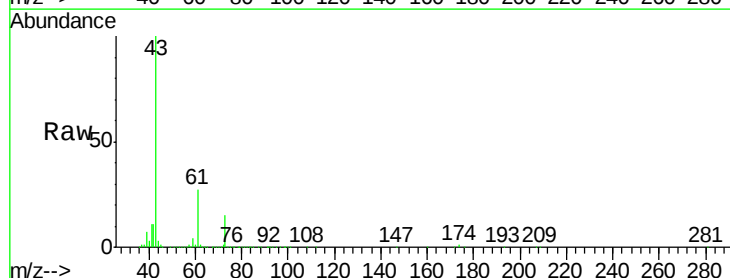
Tgt Ion: 43 Resp: 818308

Ion Ratio Lower Upper

43 100

61 27.1 20.5 30.7

87 0.4 0.3 0.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

9.53

600000

500000

400000

300000

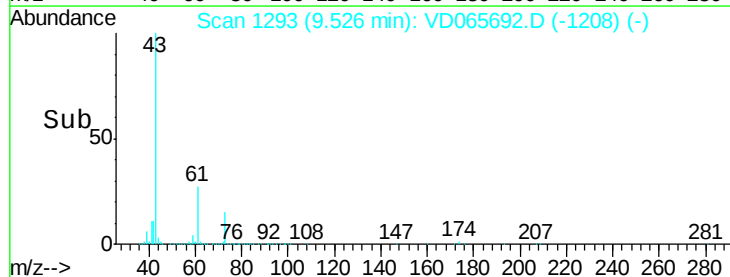
200000

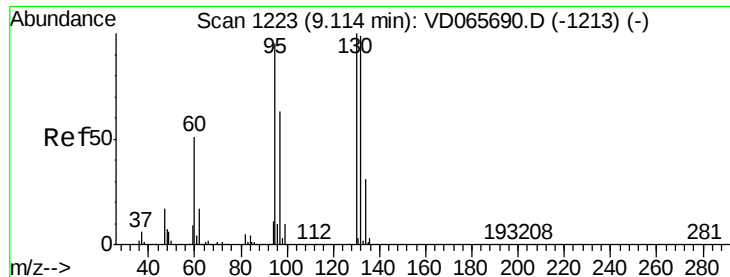
100000

0

9.45 9.50 9.55

Time-->





#44

Trichloroethene

Concen: 153.106 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

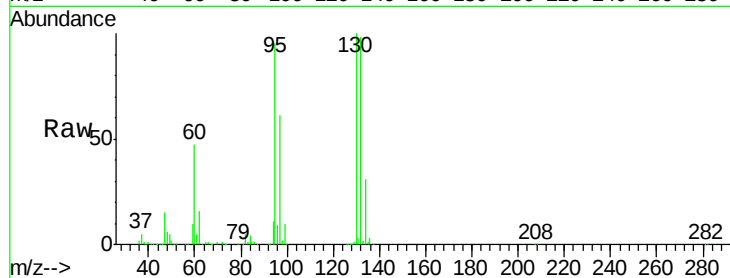
VSTDIC150

Tot Ion:130 Resp: 1027564

Ion Ratio Lower Upper

130 100

95 95.0 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

600000

500000

400000

300000

200000

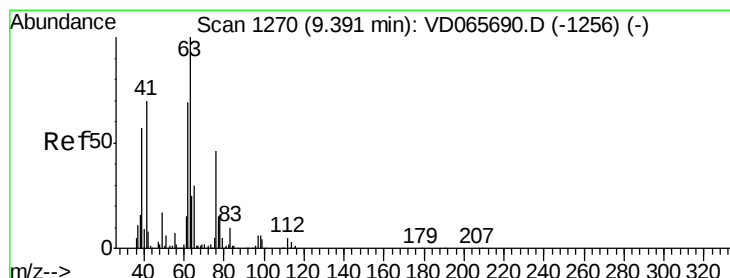
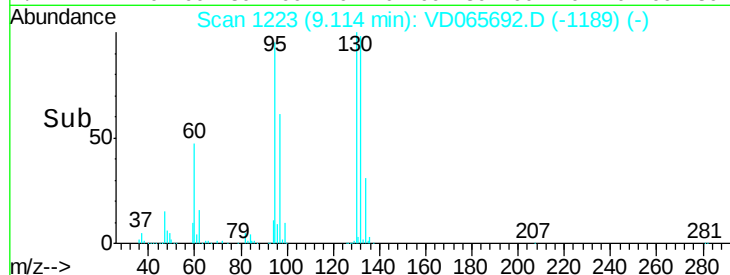
100000

0

9.11

9.00 9.10 9.20 9.30

Time-->



#45

1,2-Dichloropropane

Concen: 201.052 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065692.D

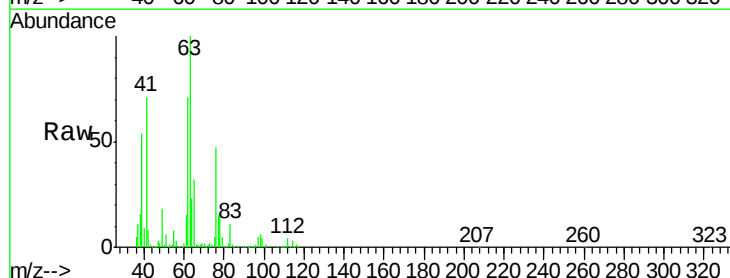
Acq: 01 May 2020 20:08

Tgt Ion: 63 Resp: 951198

Ion Ratio Lower Upper

63 100

65 31.8 23.8 35.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

500000

400000

300000

200000

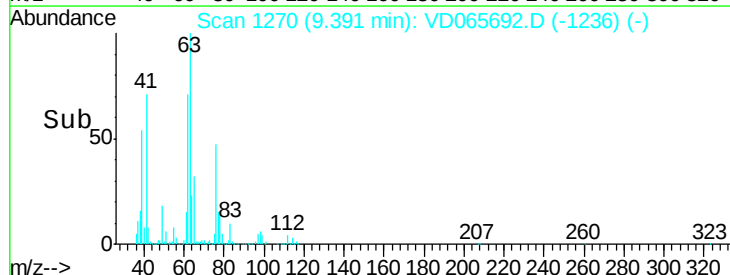
100000

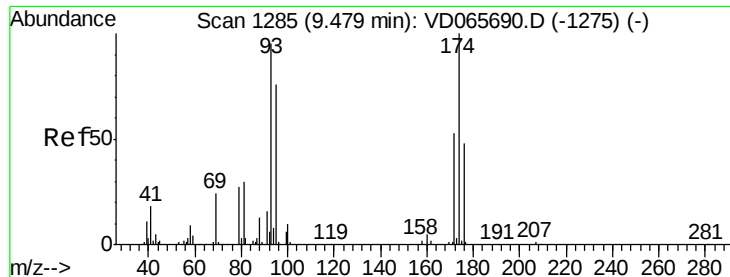
0

9.39

9.30 9.40 9.50

Time-->





#46

Dibromomethane

Concen: 155.112 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

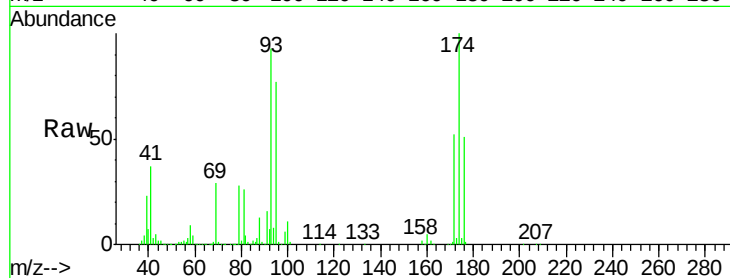
Tot Ion: 93 Resp: 496921

Ion Ratio Lower Upper

93 100

95 82.9 63.9 95.9

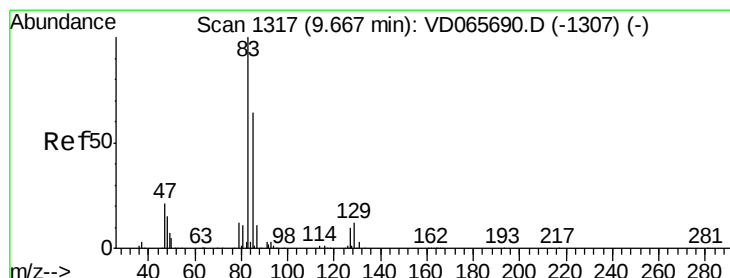
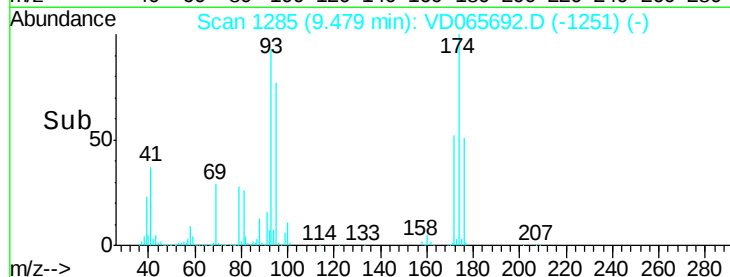
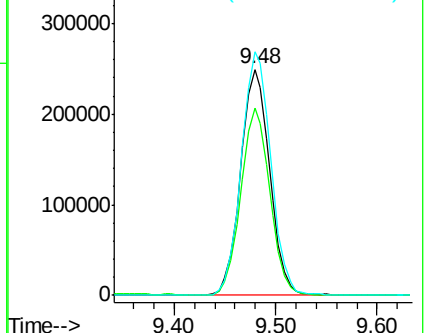
174 107.8 84.3 126.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V



#47

Bromodichloromethane

Concen: 174.400 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

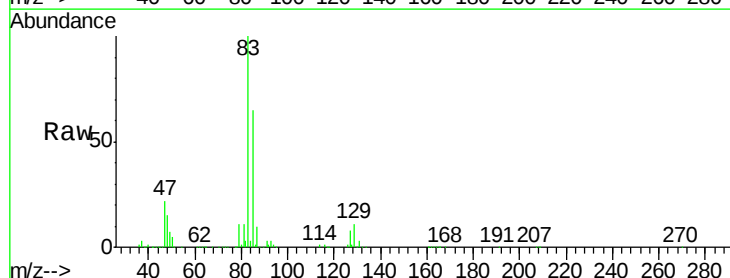
Tgt Ion: 83 Resp: 1357205

Ion Ratio Lower Upper

83 100

85 64.7 51.6 77.4

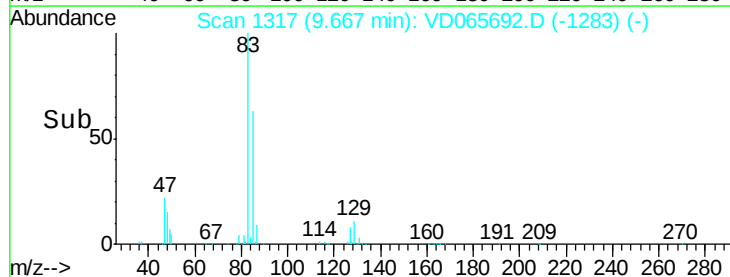
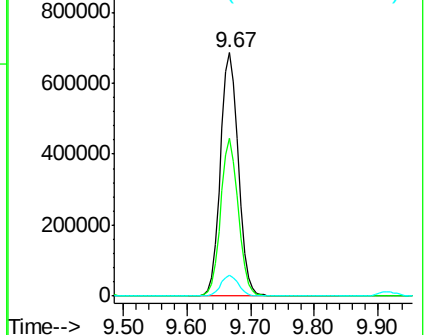
127 8.4 7.8 11.6

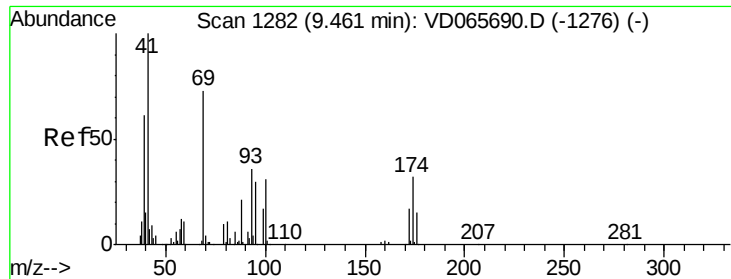


Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): V

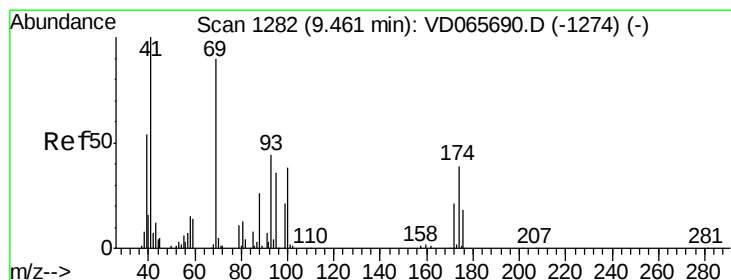
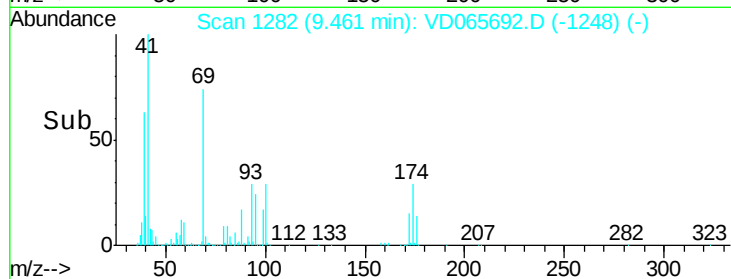
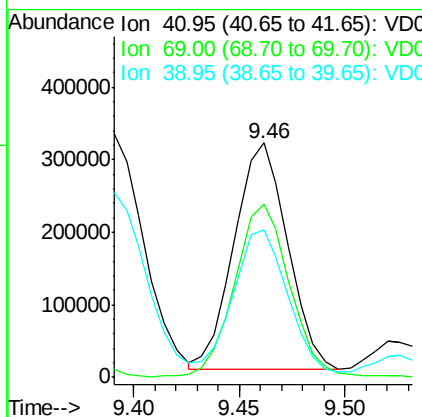
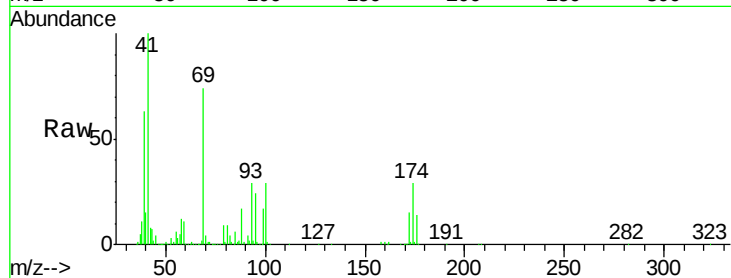




#48
Methvl methacrylate
Concen: 199.834 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

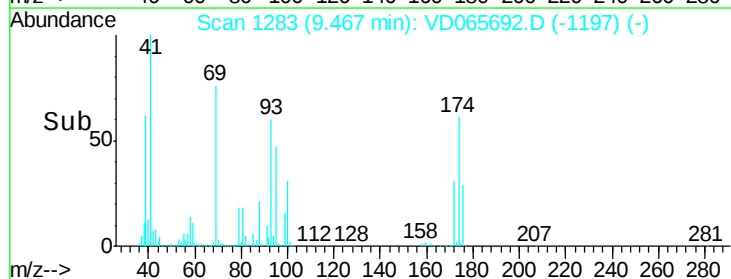
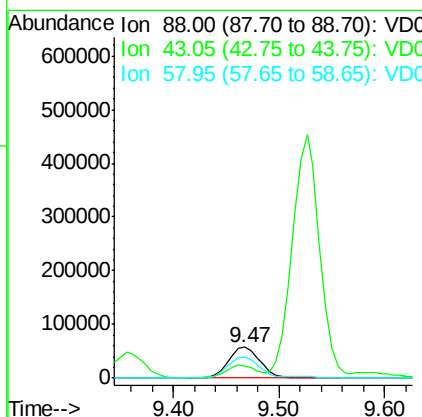
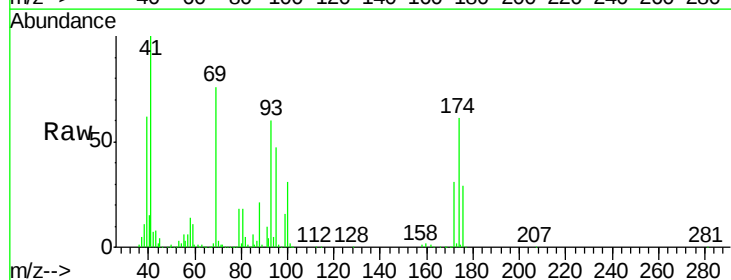
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

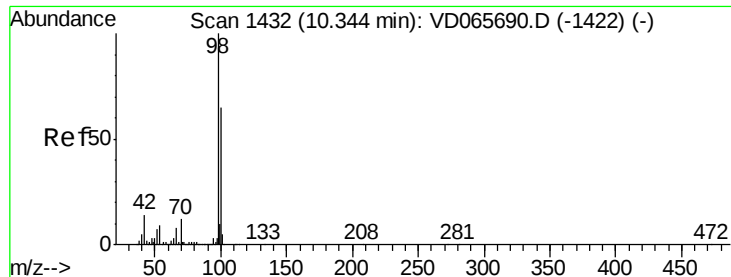
Tot Ion: 41 Resp: 545989
Ion Ratio Lower Upper
41 100
69 73.9 54.9 82.3
39 63.0 49.7 74.5



#49
1,4-Dioxane
Concen: 4130.817 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 88 Resp: 118892
Ion Ratio Lower Upper
88 100
43 38.9 36.7 55.1
58 67.8 47.0 70.4

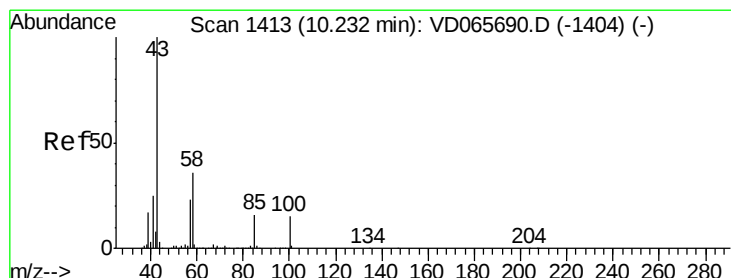
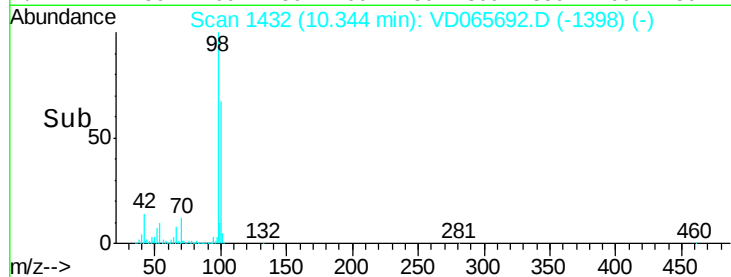
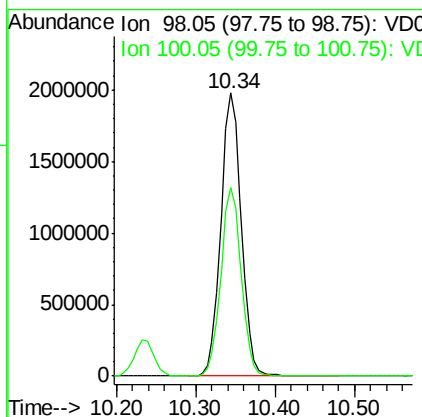
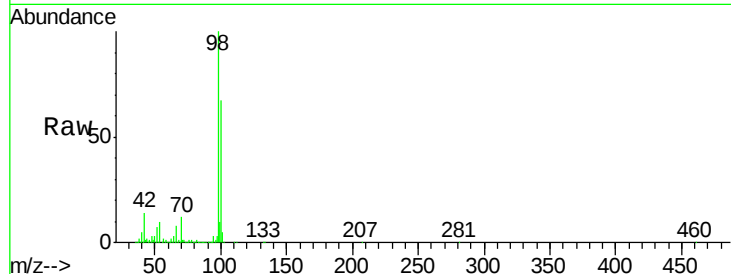




#50
Toluene-d8
Concen: 215.972 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

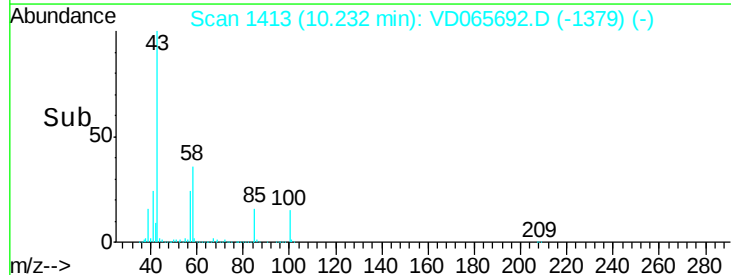
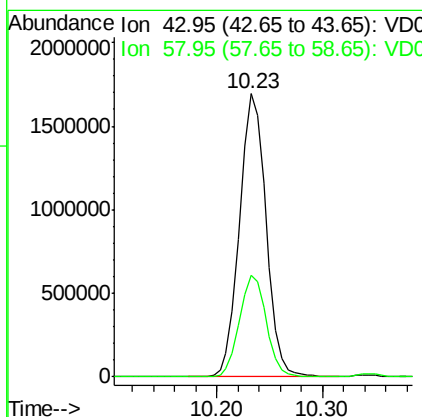
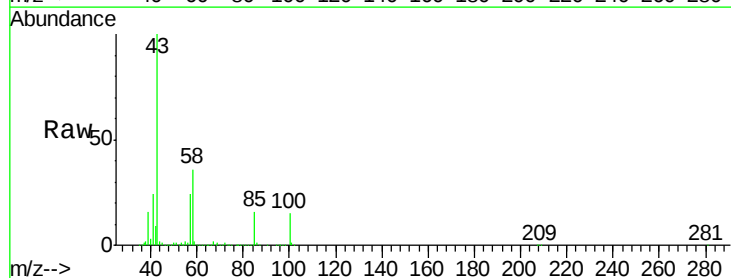
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

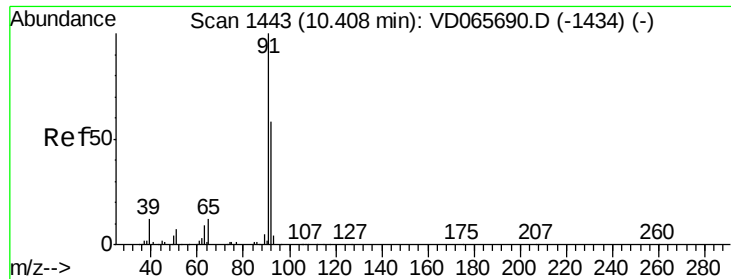
Tot Ion: 98 Resp: 3533805
Ion Ratio Lower Upper
98 100
100 66.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1028.107 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 43 Resp: 2955386
Ion Ratio Lower Upper
43 100
58 35.9 28.8 43.2





#52

Toluene

Concen: 211.875 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

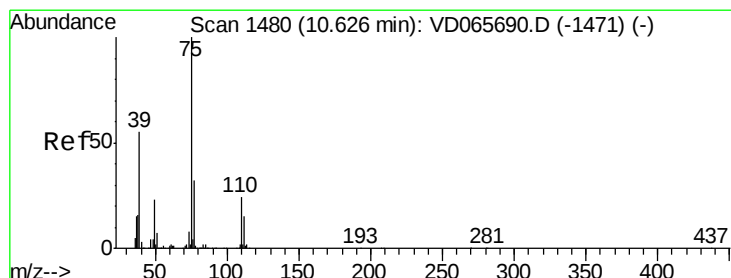
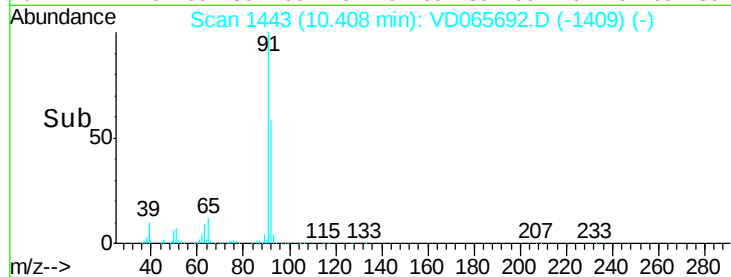
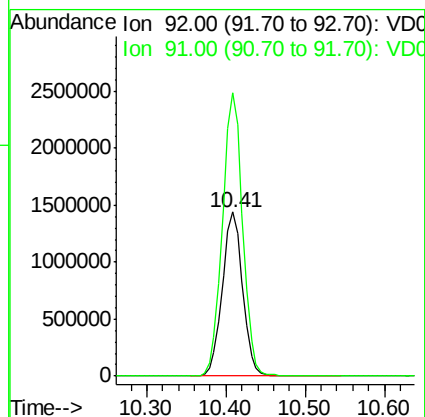
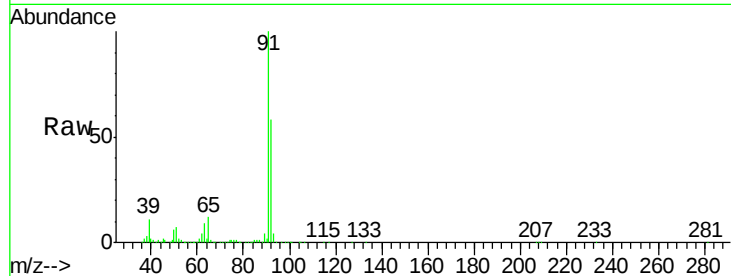
VSTDIC150

Tot Ion: 92 Resp: 2546459

Ion Ratio Lower Upper

92 100

91 172.4 137.0 205.4



#53

t-1,3-Dichloropropene

Concen: 195.002 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065692.D

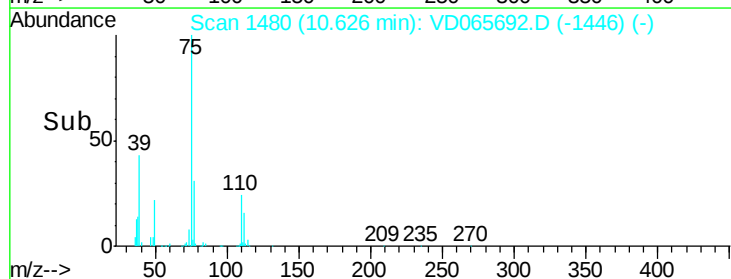
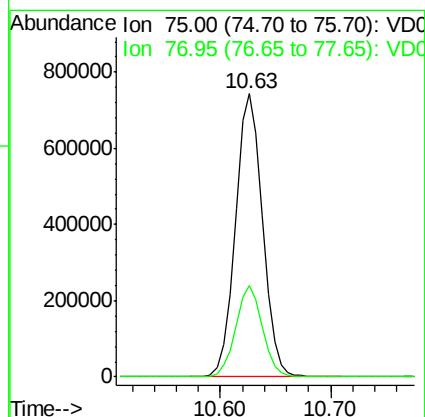
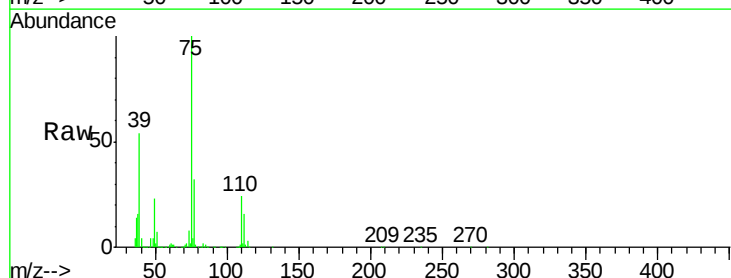
Acq: 01 May 2020 20:08

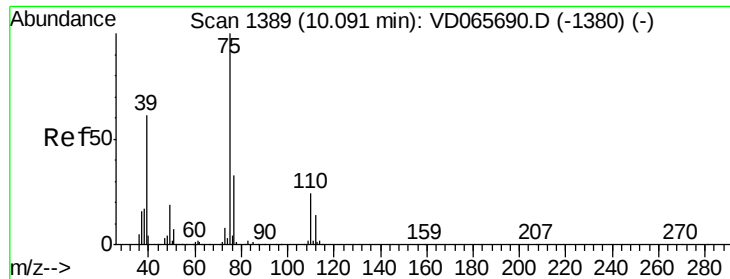
Tgt Ion: 75 Resp: 1280457

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2





#54

cis-1,3-Dichloropropene

Concen: 188.970 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

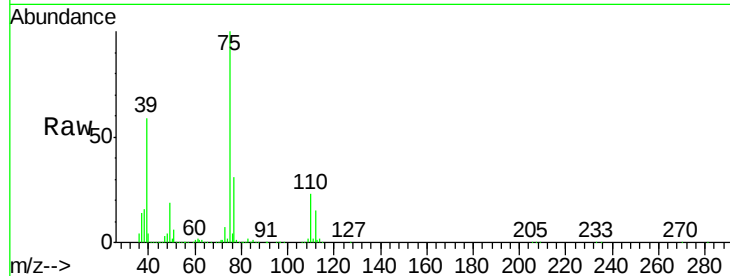
Tot Ion: 75 Resp: 1510131

Ion Ratio Lower Upper

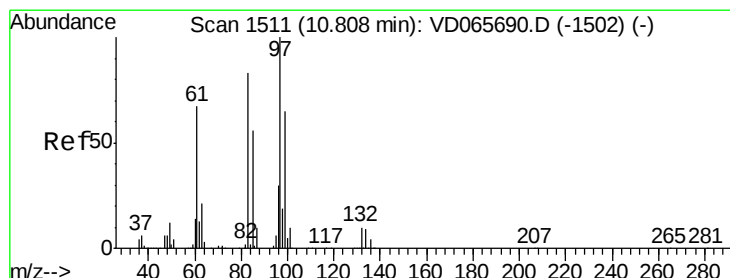
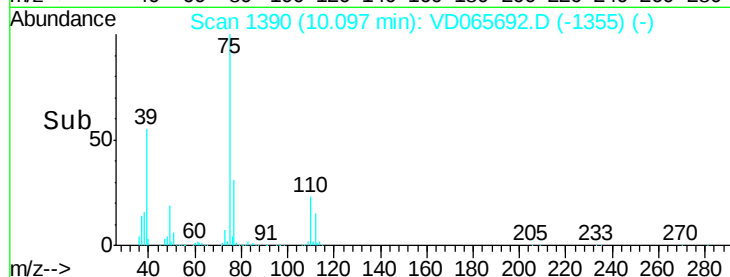
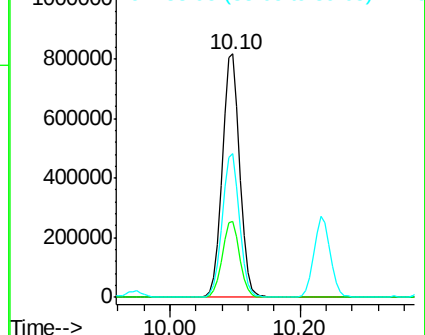
75 100

77 31.4 26.6 40.0

39 58.9 48.8 73.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC



#55

1,1,2-Trichloroethane

Concen: 171.465 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Tgt Ion: 97 Resp: 664327

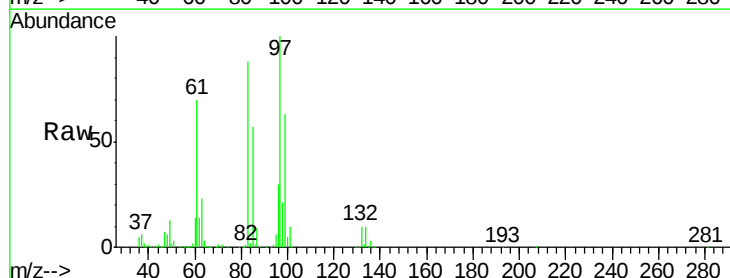
Ion Ratio Lower Upper

97 100

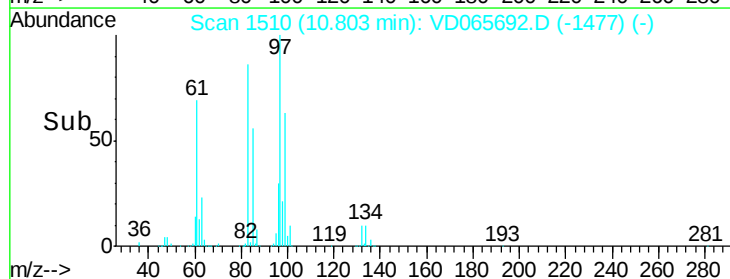
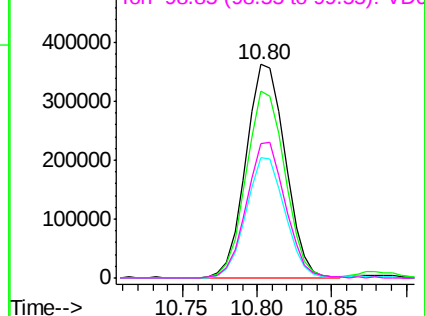
83 87.6 66.7 100.1

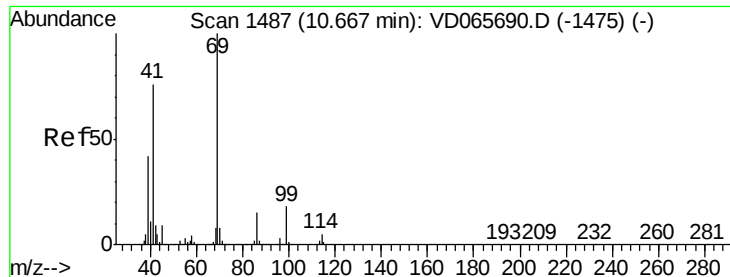
85 56.6 45.0 67.4

99 62.7 51.9 77.9



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC





#56

Ethyl methacrylate

Concen: 201.597 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

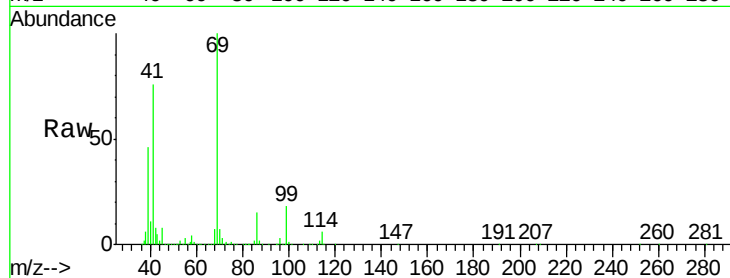
Tot Ion: 69 Resp: 876251

Ion Ratio Lower Upper

69 100

41 76.0 61.4 92.0

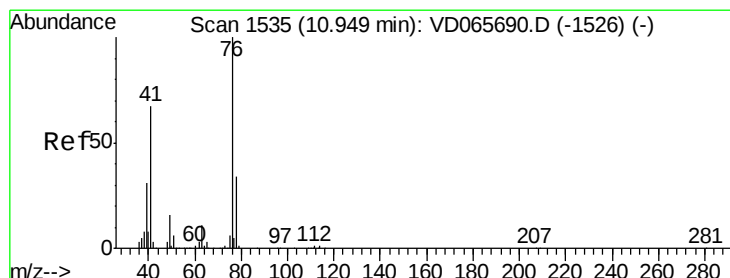
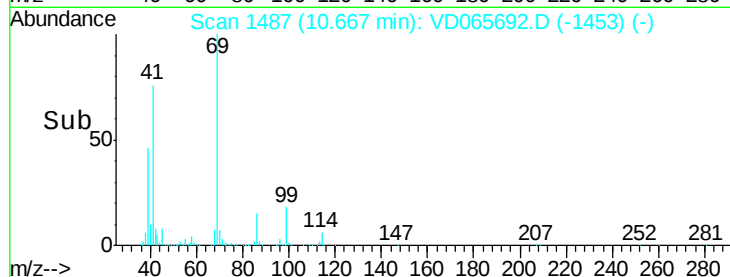
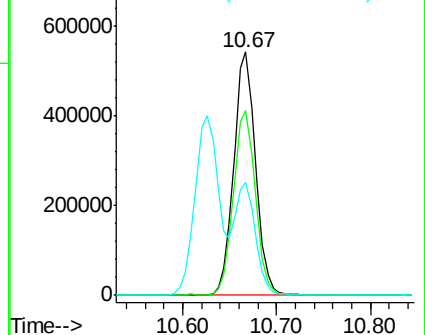
39 46.2 36.6 54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#57

1,3-Dichloropropane

Concen: 192.113 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065692.D

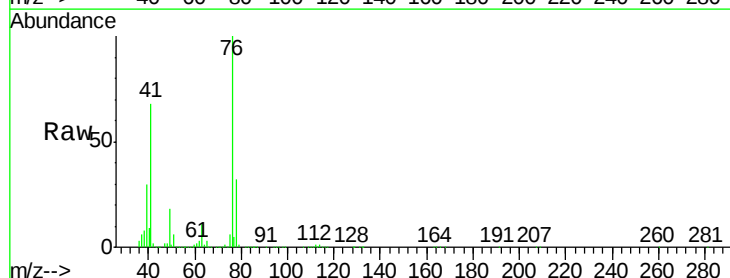
Acq: 01 May 2020 20:08

Tgt Ion: 76 Resp: 1180673

Ion Ratio Lower Upper

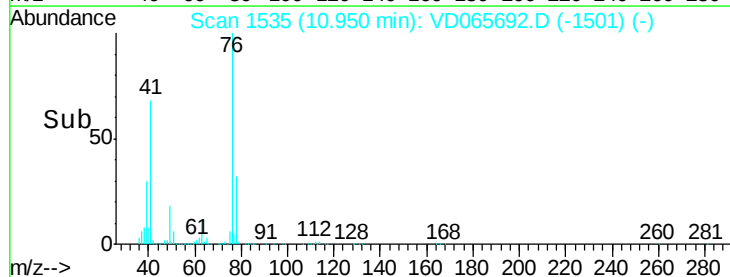
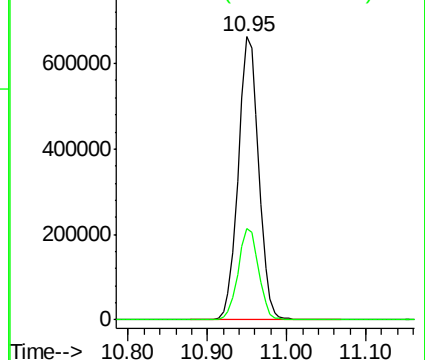
76 100

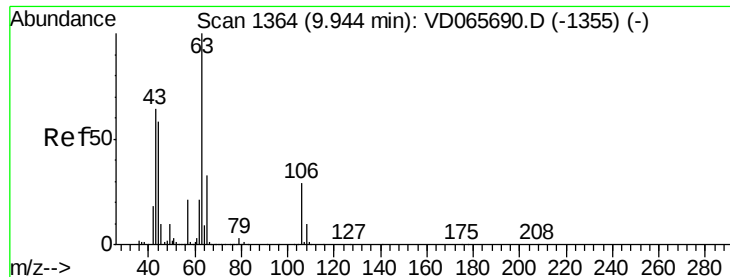
78 32.5 26.9 40.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

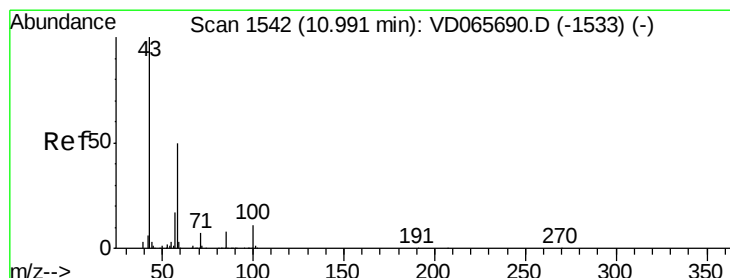
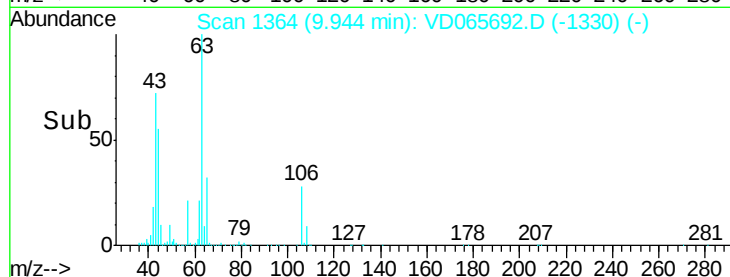
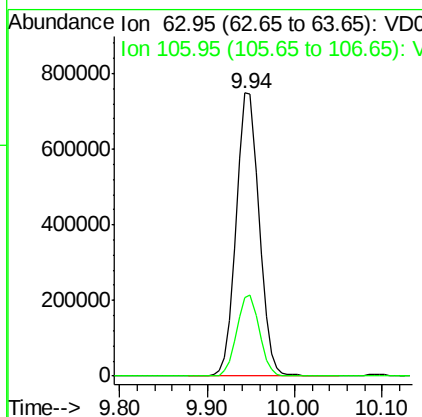
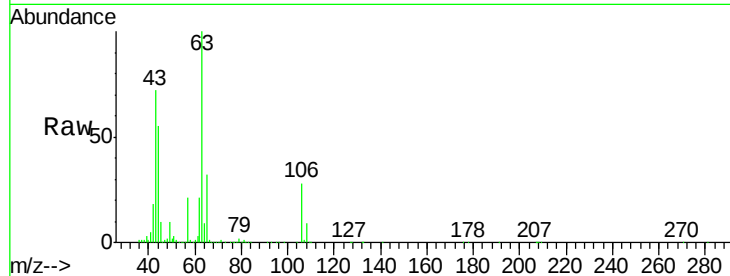




#58
 2-Chloroethyl Vinyl ether
 Concen: 664.015 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

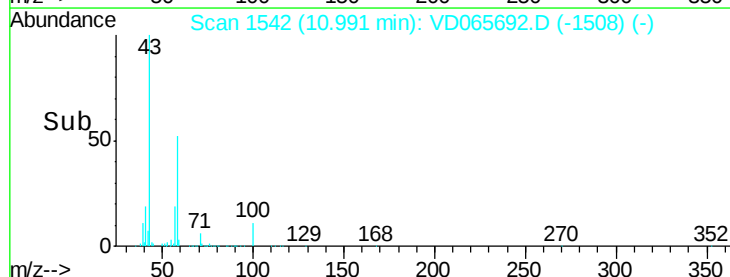
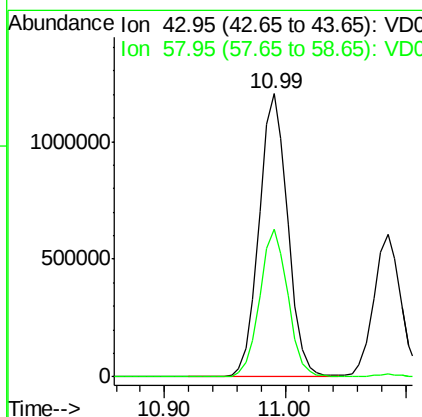
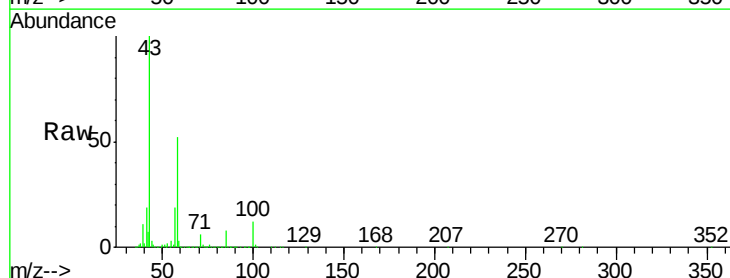
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

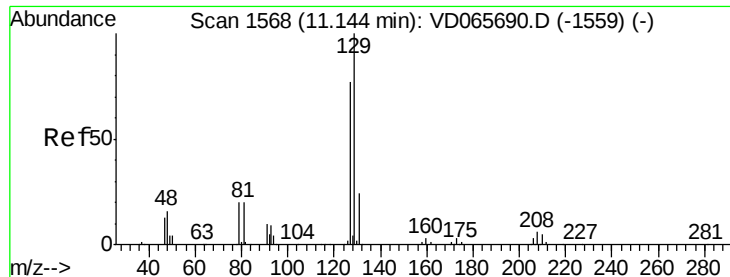
Tot Ion: 63 Resp: 1325479
 Ion Ratio Lower Upper
 63 100
 106 27.7 23.4 35.2



#59
 2-Hexanone
 Concen: 942.796 ug/l
 RT: 10.99 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion: 43 Resp: 1988468
 Ion Ratio Lower Upper
 43 100
 58 52.4 24.8 74.4





#60

Dibromochloromethane

Concen: 149.907 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

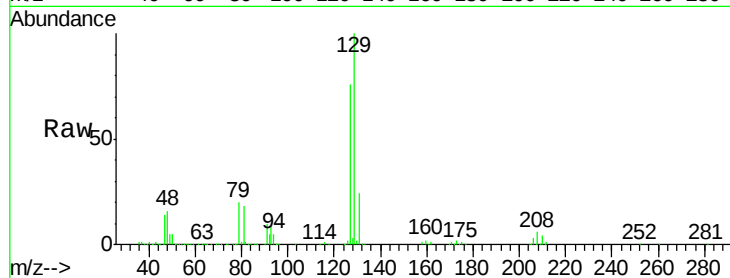
VSTDIC150

Tot Ion:129 Resp: 924102

Ion Ratio Lower Upper

129 100

127 76.1 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

600000

500000

400000

300000

200000

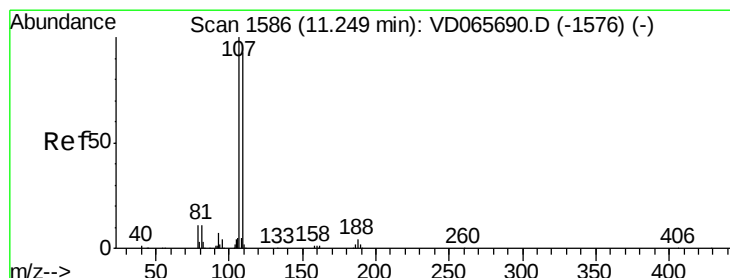
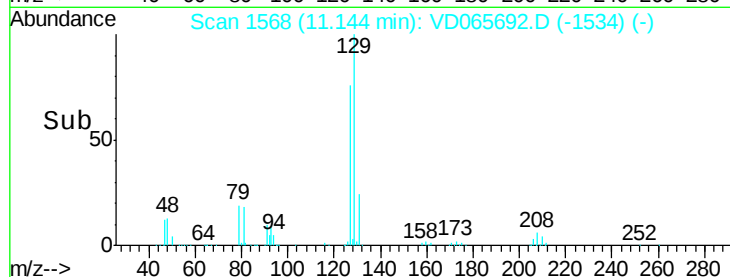
100000

0

11.14

11.10 11.15 11.20 11.30

Time-->



#61

1,2-Dibromoethane

Concen: 145.354 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065692.D

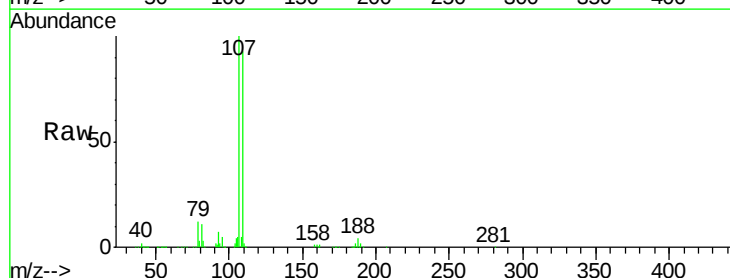
Acq: 01 May 2020 20:08

Tgt Ion:107 Resp: 650806

Ion Ratio Lower Upper

107 100

109 92.7 74.0 111.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

400000

300000

200000

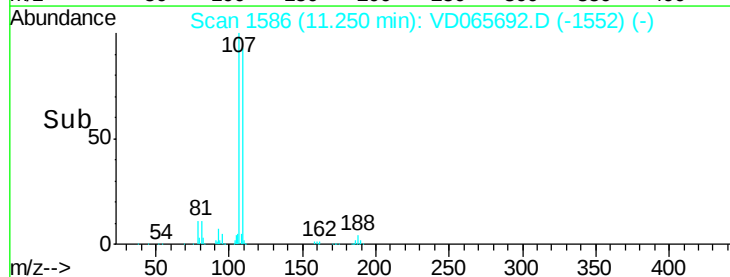
100000

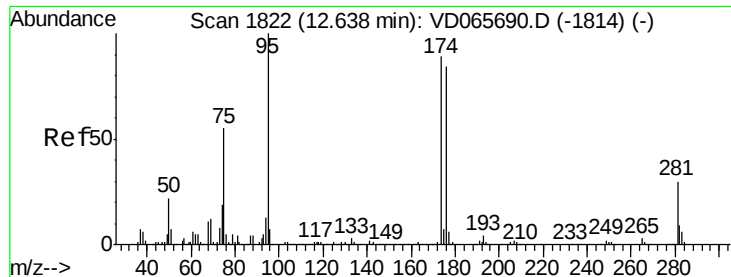
0

11.25

11.20 11.25 11.30

Time-->





#62

4-Bromofluorobenzene

Concen: 183.971 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

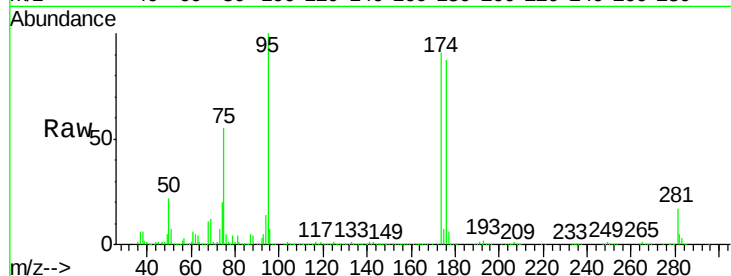
Tot Ion: 95 Resp: 1153665

Ion Ratio Lower Upper

95 100

174 90.5 0.0 177.6

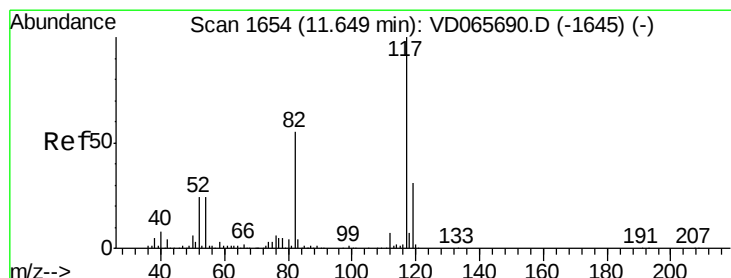
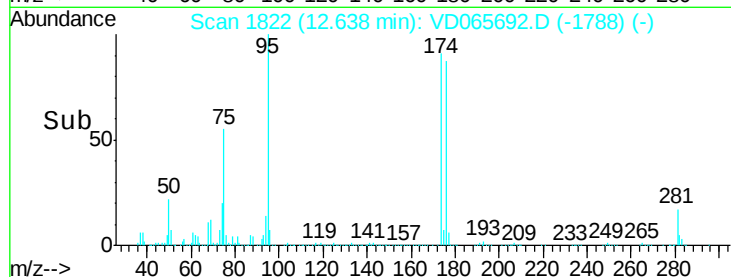
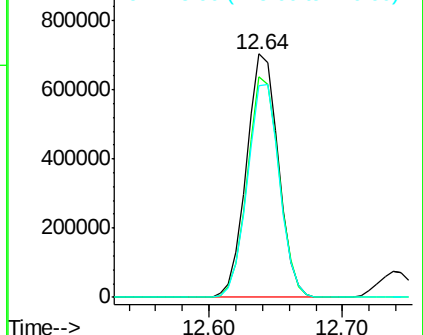
176 87.1 0.0 168.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

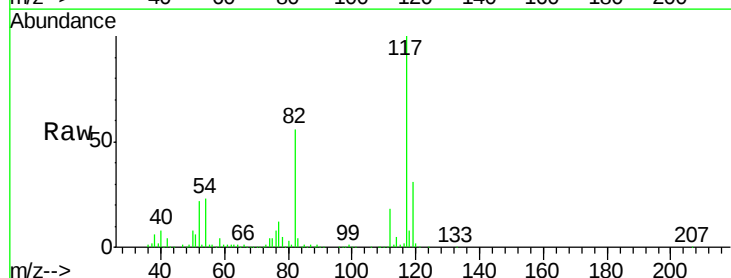
Tgt Ion: 117 Resp: 857657

Ion Ratio Lower Upper

117 100

82 56.0 43.6 65.4

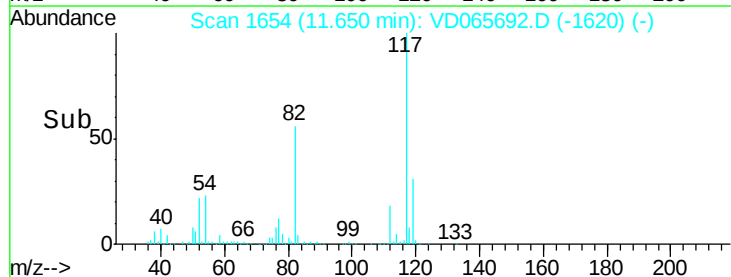
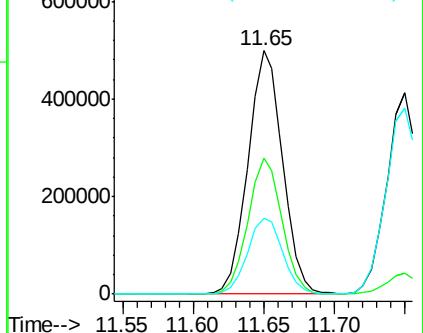
119 31.2 25.0 37.6

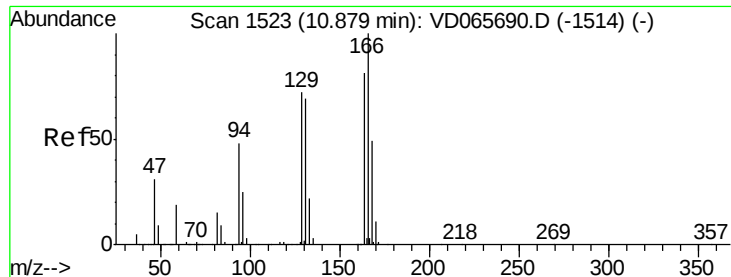


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 145.343 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 892237

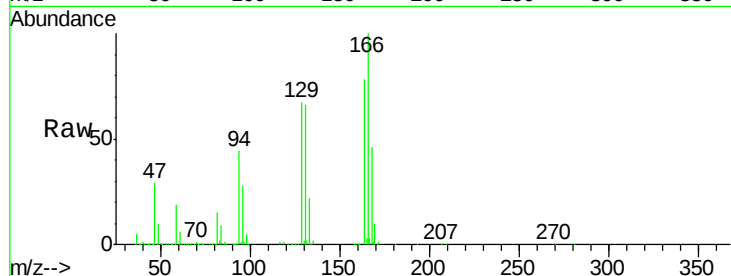
Ion Ratio Lower Upper

164 100

166 128.8 99.0 148.6

129 86.6 71.5 107.3

131 85.0 68.2 102.4

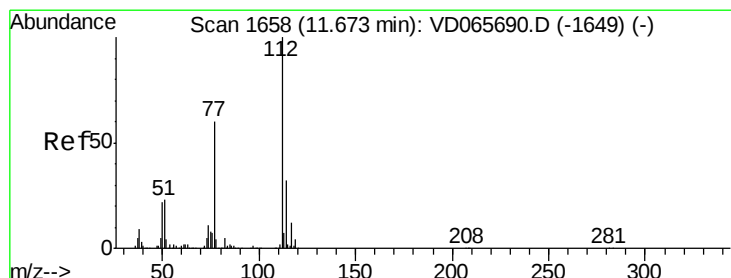
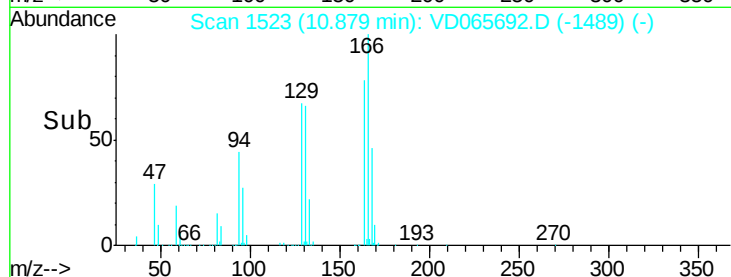
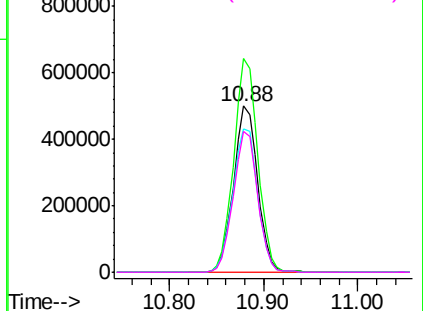


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 156.898 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065692.D

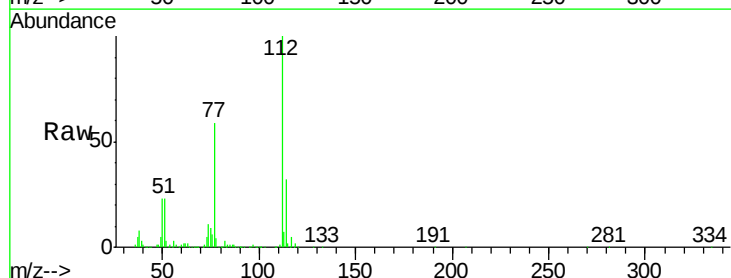
Acq: 01 May 2020 20:08

Tgt Ion:112 Resp: 2586304

Ion Ratio Lower Upper

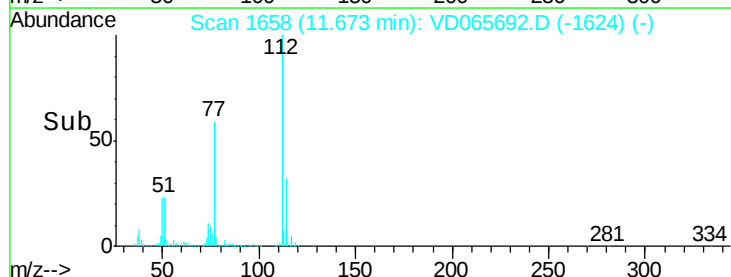
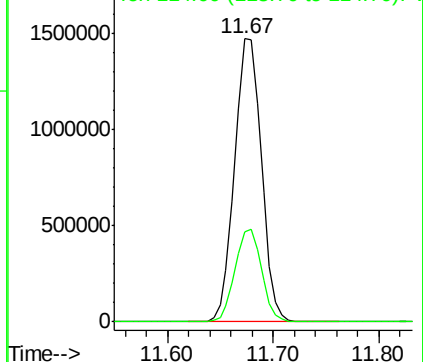
112 100

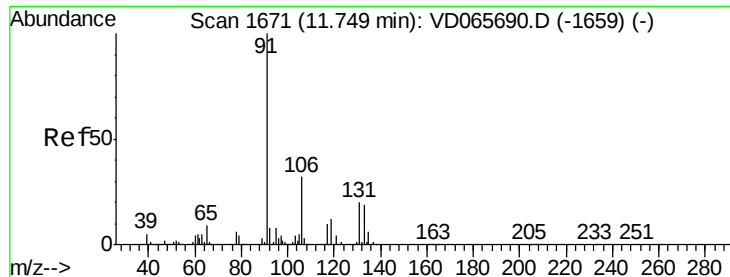
114 31.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 151.994 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

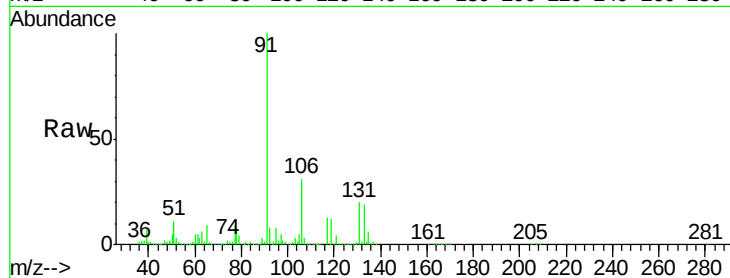
Tot Ion:131 Resp: 1043561

Ion Ratio Lower Upper

131 100

133 95.2 47.9 143.8

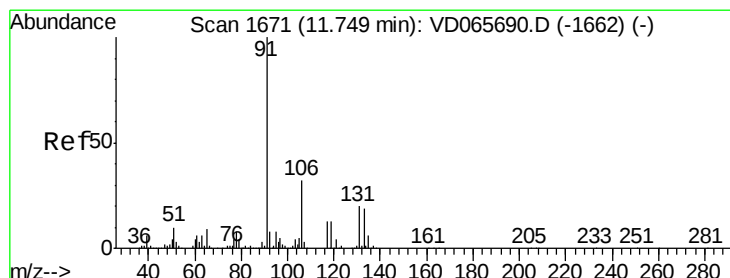
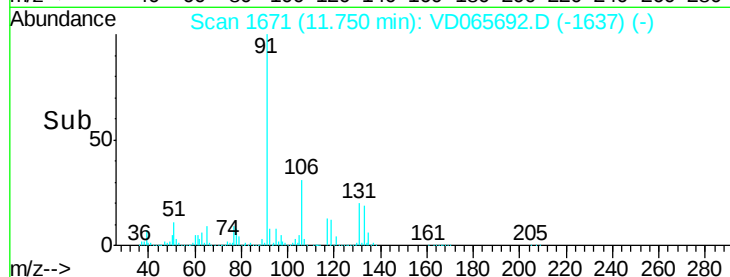
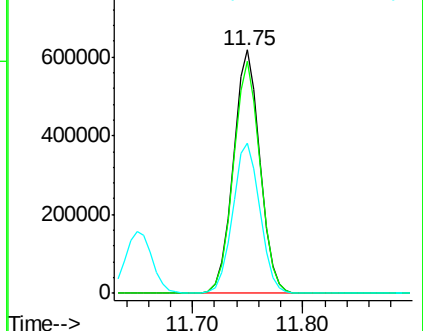
119 61.8 32.0 96.2



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#67

Ethyl Benzene

Concen: 180.343 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065692.D

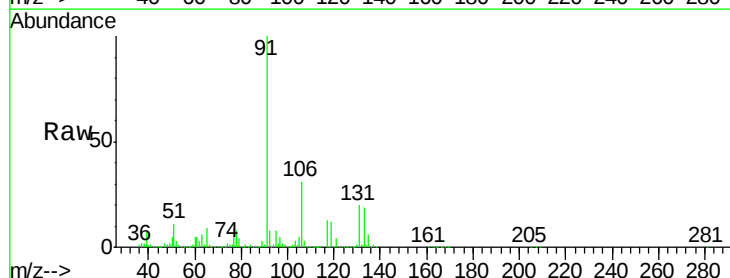
Acq: 01 May 2020 20:08

Tgt Ion: 91 Resp: 4946814

Ion Ratio Lower Upper

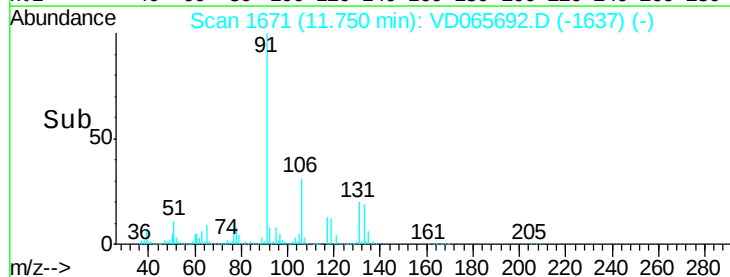
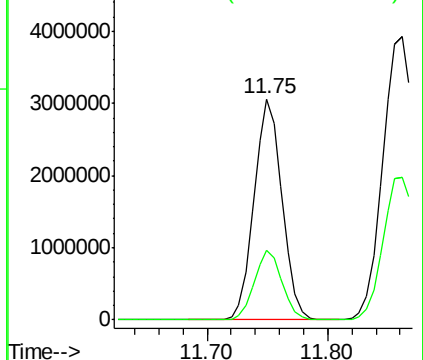
91 100

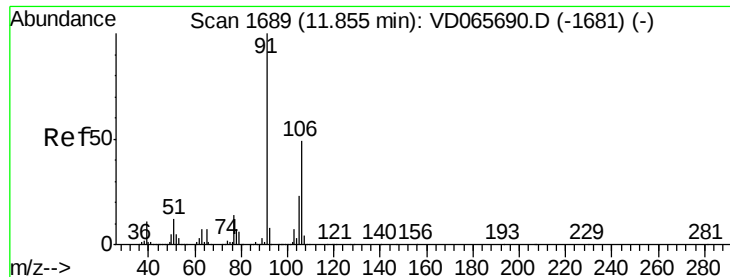
106 31.4 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V





#68

m/p-Xylenes

Concen: 376.163 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

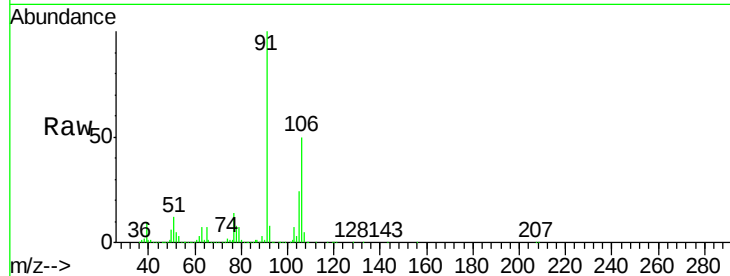
VSTDIC150

Tot Ion:106 Resp: 3794931

Ion Ratio Lower Upper

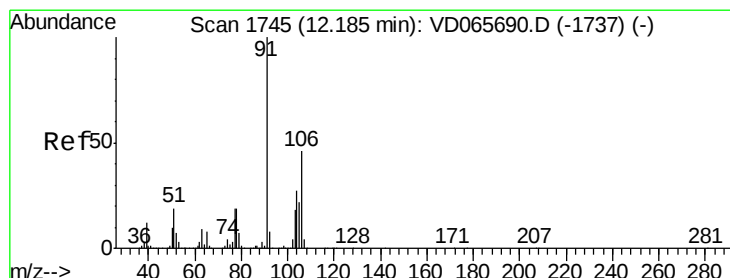
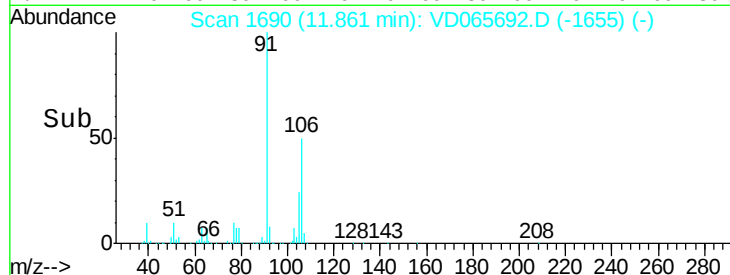
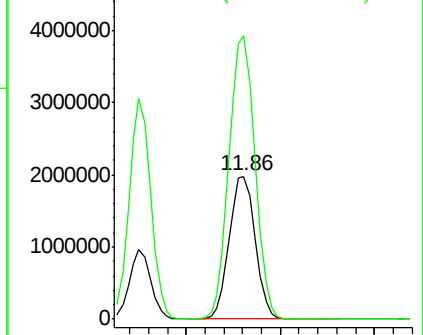
106 100

91 198.2 162.2 243.2



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 188.588 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD065692.D

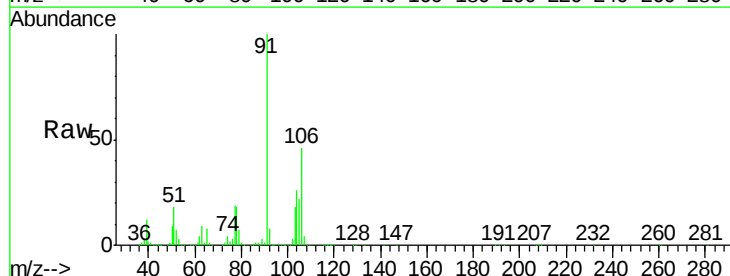
Acq: 01 May 2020 20:08

Tgt Ion:106 Resp: 1719617

Ion Ratio Lower Upper

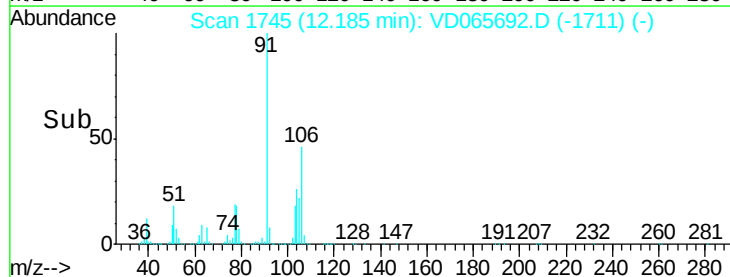
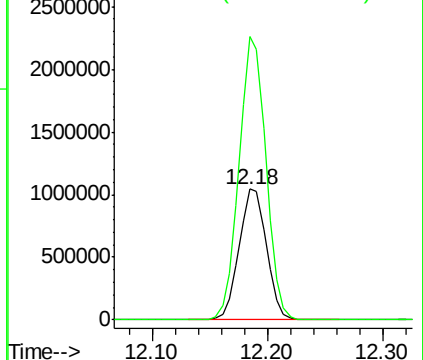
106 100

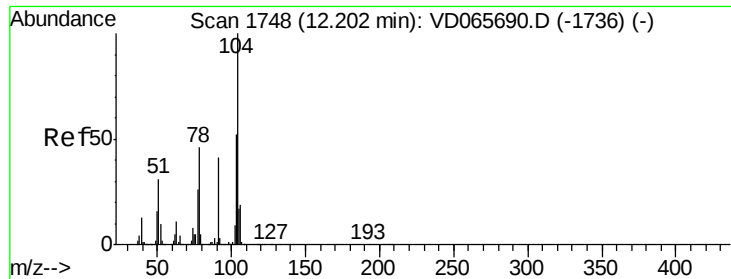
91 216.6 109.7 329.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

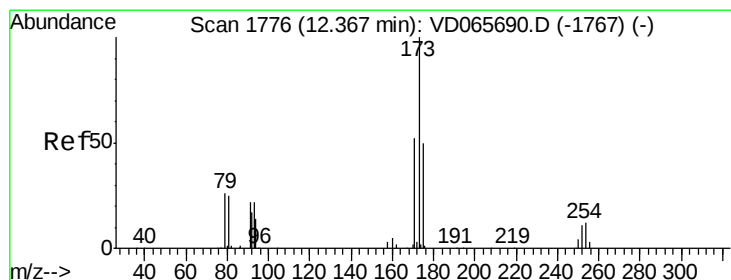
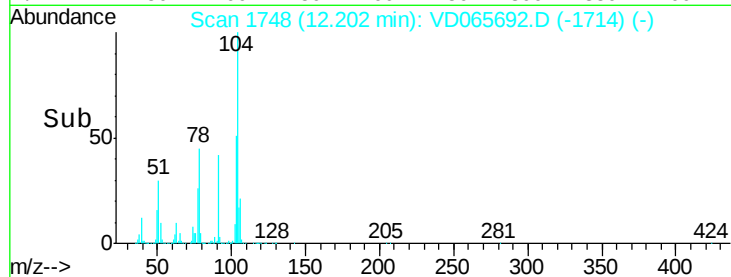
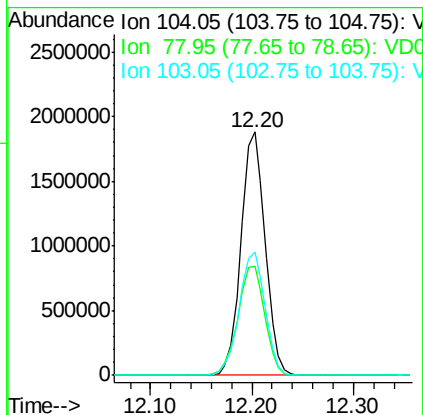
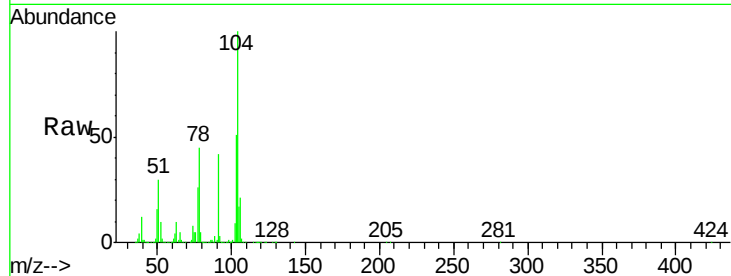




#70
Stvrene
Concen: 195.217 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

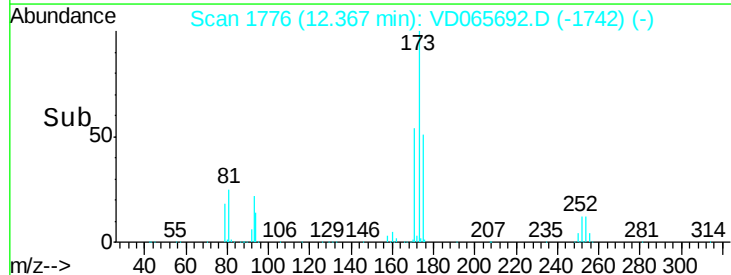
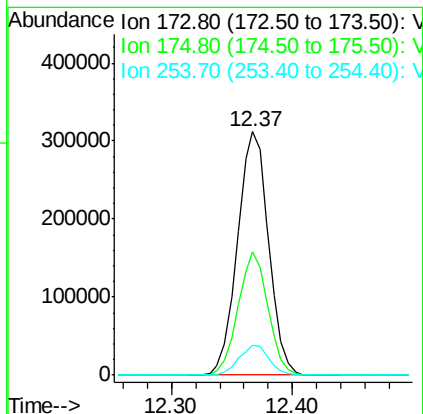
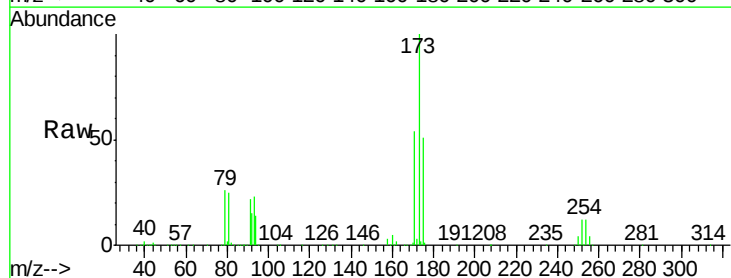
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

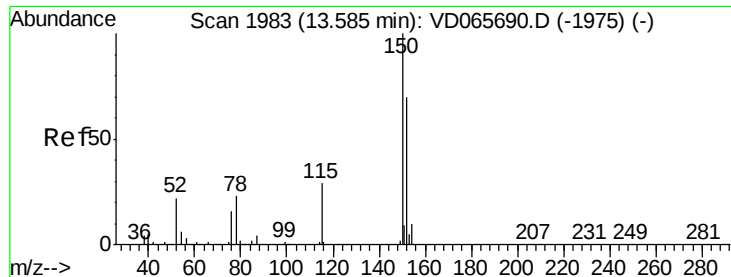
Tot Ion:104 Resp: 3099765
Ion Ratio Lower Upper
104 100
78 44.9 36.4 54.6
103 50.9 41.7 62.5



#71
Bromoform
Concen: 142.469 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion:173 Resp: 558446
Ion Ratio Lower Upper
173 100
175 50.8 24.9 74.8
254 12.5 9.4 14.0



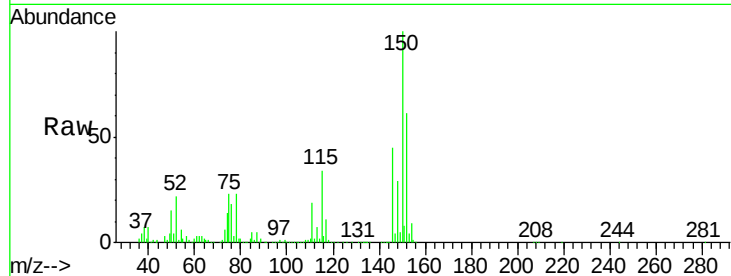


#72

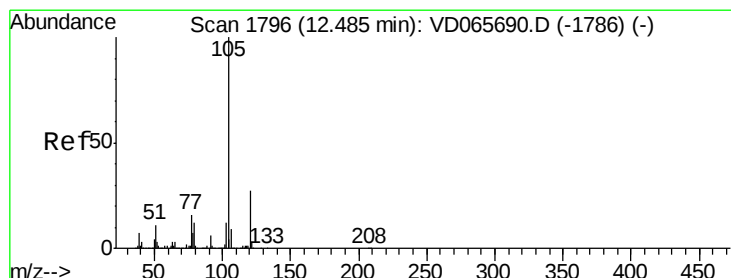
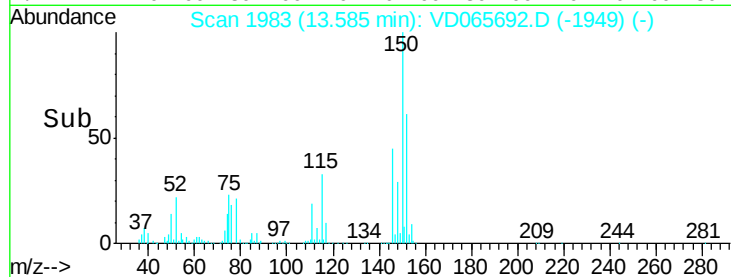
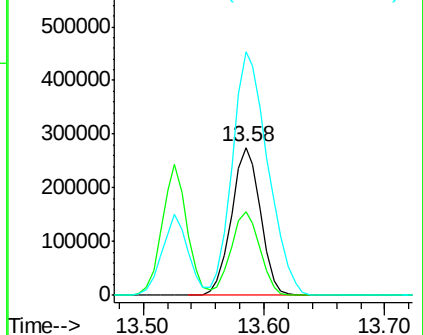
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	26.8	80.3
150	164.4	0.0	301.2



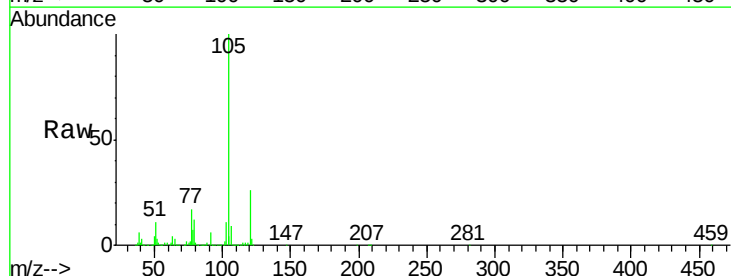
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



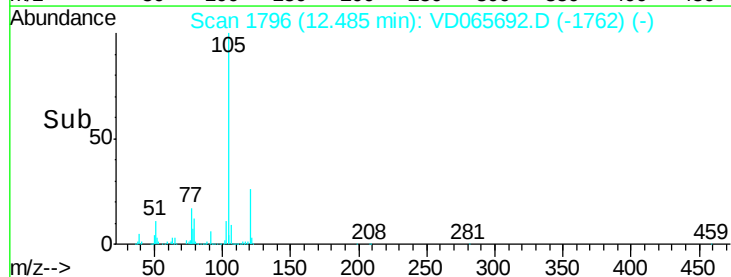
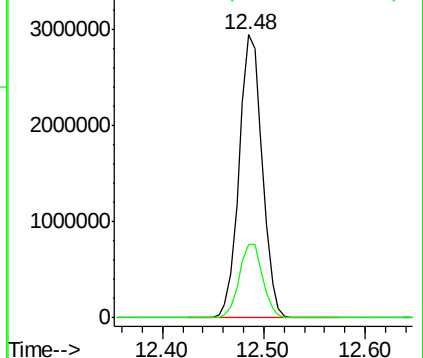
#73

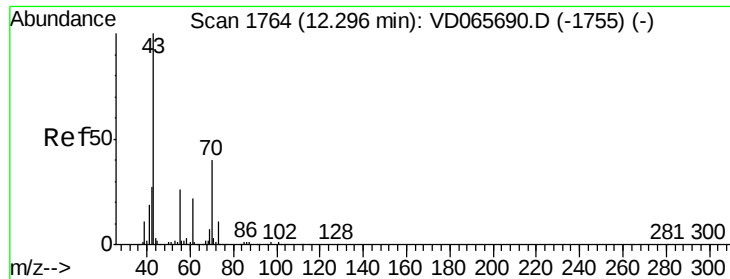
Isopropylbenzene
Concen: 152.899 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.4	40.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 139.508 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

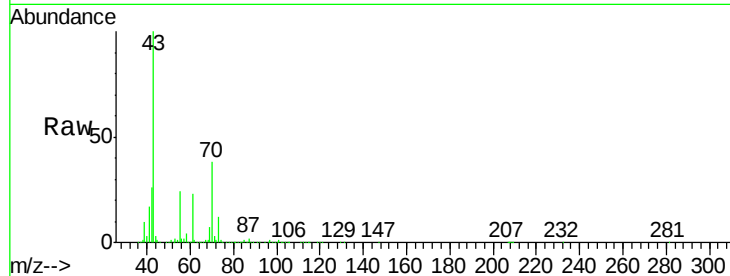
MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1070917

Ion	Ratio	Lower	Upper
43	100		
70	38.3	32.0	48.0
55	23.9	20.4	30.6
61	22.7	17.6	26.4

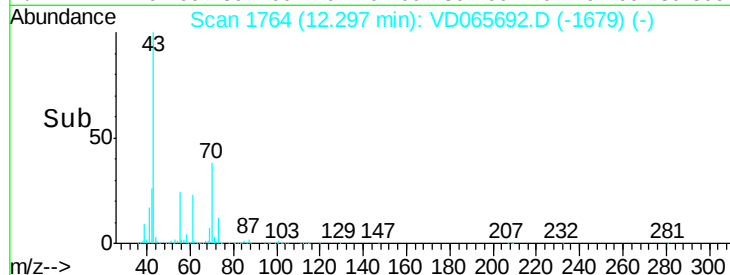


Abundance Ion 42.95 (42.65 to 43.65): VDC

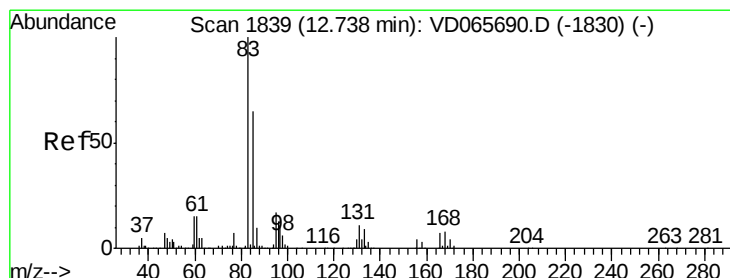
Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 12.20 12.25 12.30 12.35



#75

1,1,2,2-Tetrachloroethane

Concen: 124.621 ug/l

RT: 12.74 min Scan# 1839

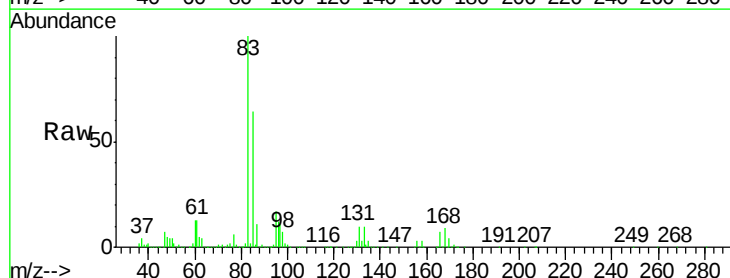
Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Tgt Ion: 83 Resp: 725871

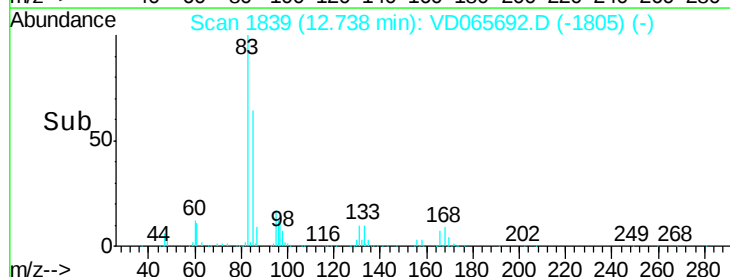
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.5	16.5
85	64.1	32.3	96.9



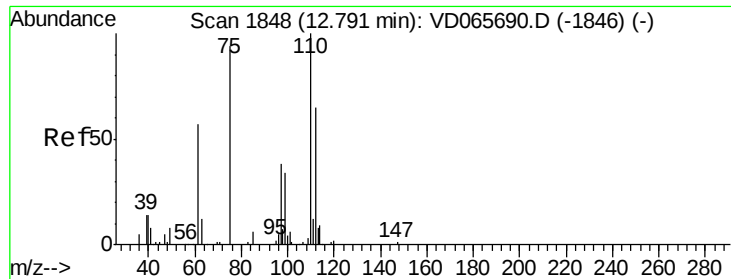
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC



Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 96.270 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

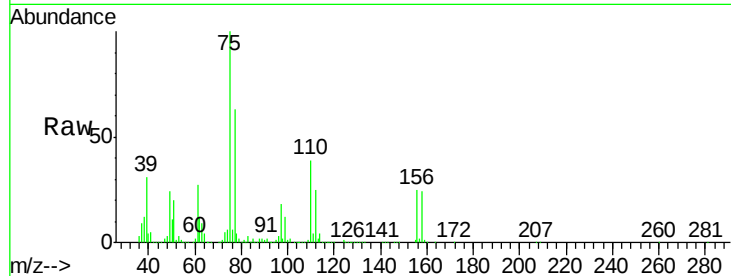
VSTDIC150

Tot Ion: 75 Resp: 518796

Ion Ratio Lower Upper

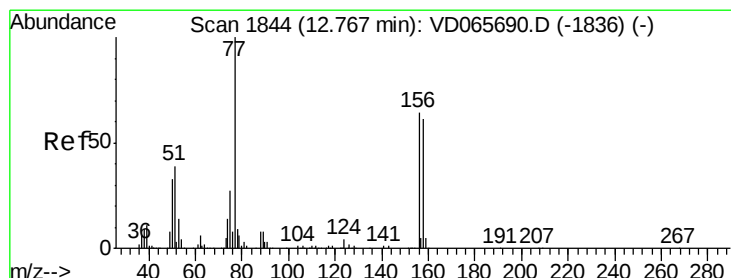
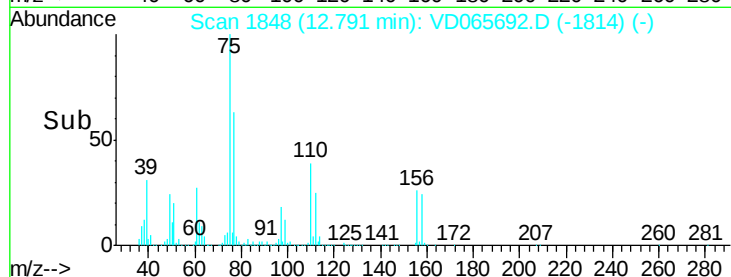
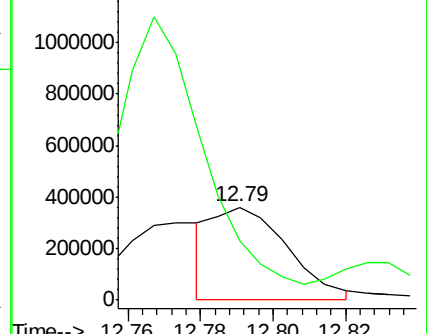
75 100

77 63.4 28.7 86.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#77

Bromobenzene

Concen: 129.695 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

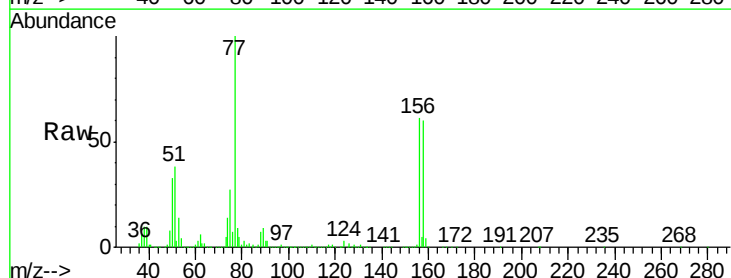
Tgt Ion: 156 Resp: 1110680

Ion Ratio Lower Upper

156 100

77 164.2 78.4 235.2

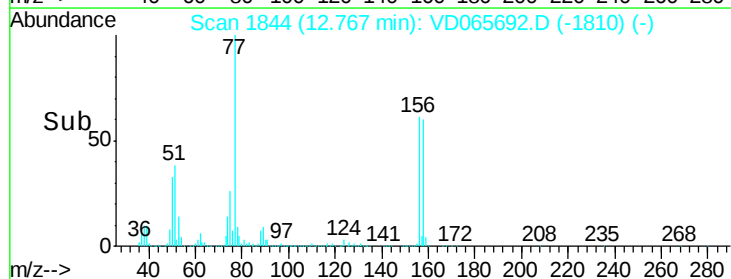
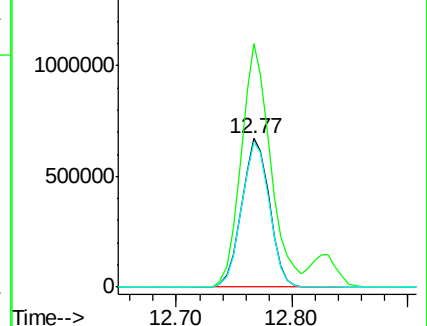
158 98.0 47.6 142.8

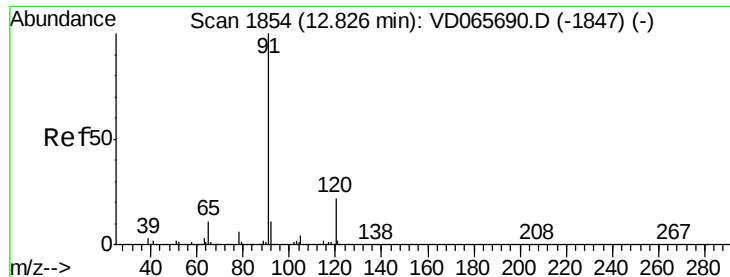


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#78

n-propylbenzene

Concen: 155.234 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

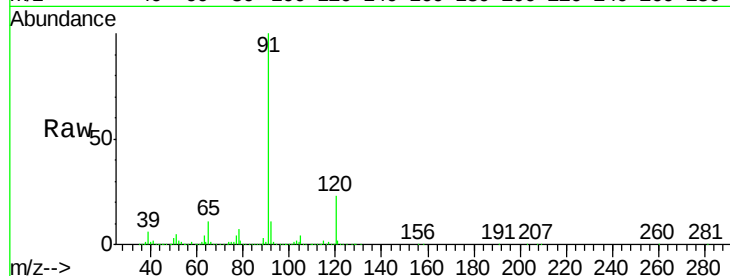
VSTDIC150

Tot Ion: 91 Resp: 5477706

Ion Ratio Lower Upper

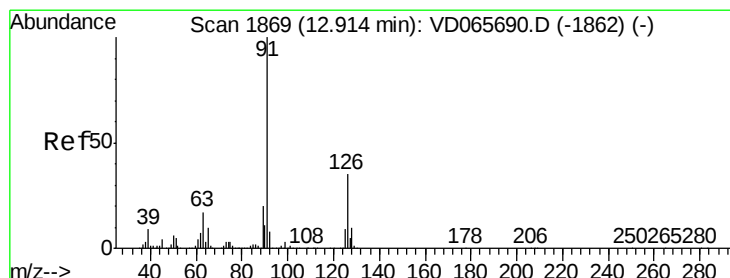
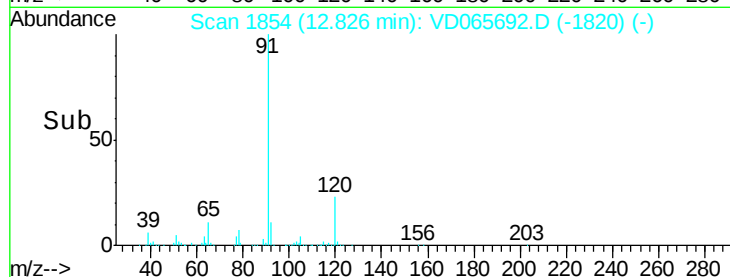
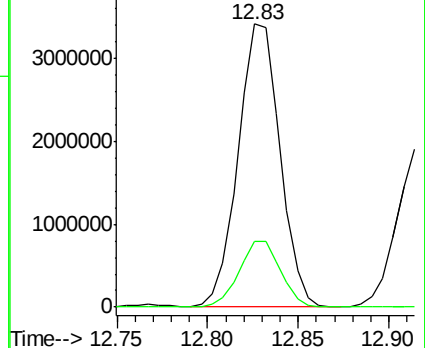
91 100

120 23.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 146.739 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065692.D

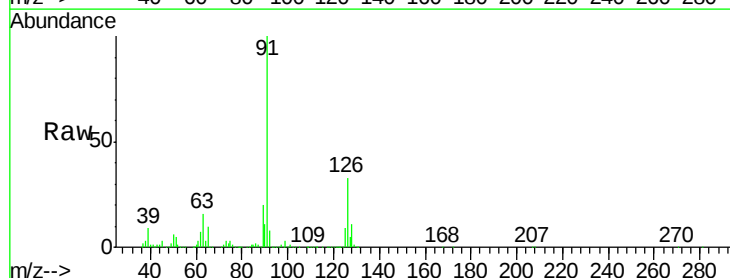
Acq: 01 May 2020 20:08

Tgt Ion: 91 Resp: 3082495

Ion Ratio Lower Upper

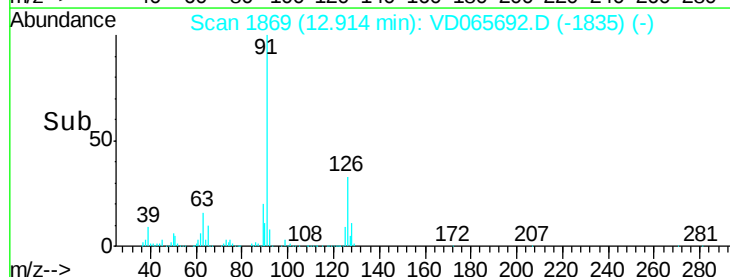
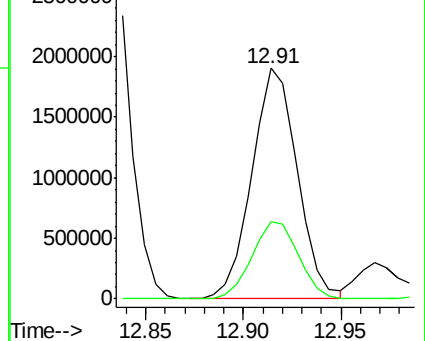
91 100

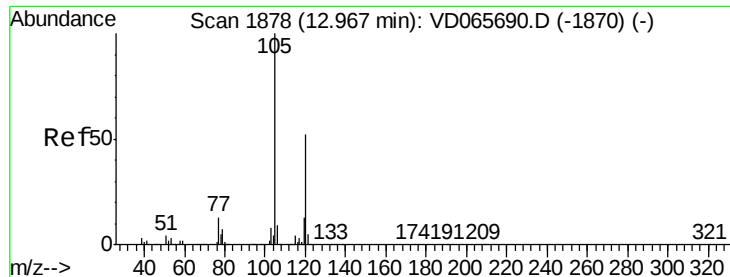
126 33.3 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#80

1,3,5-Trimethylbenzene

Concen: 161.795 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

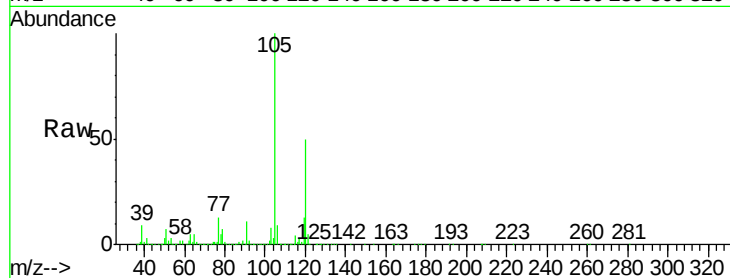
VSTDIC150

Tot Ion:105 Resp: 3969822

Ion Ratio Lower Upper

105 100

120 50.0 25.9 77.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.97

2500000

2000000

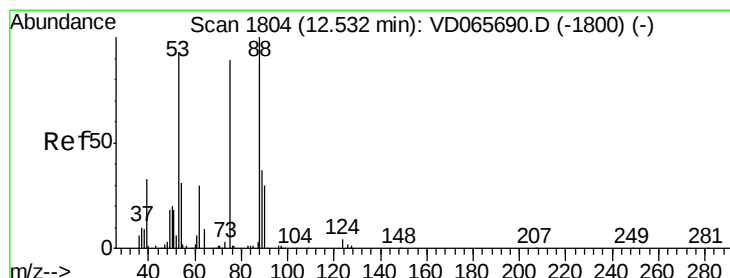
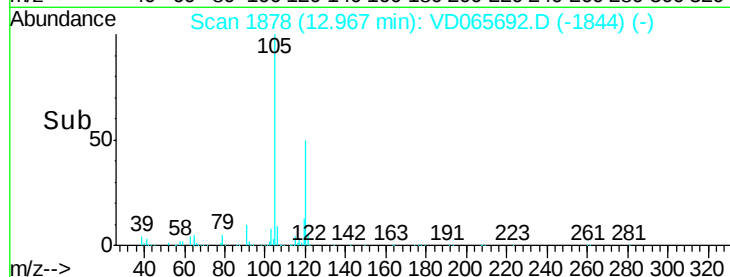
1500000

1000000

500000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 147.484 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

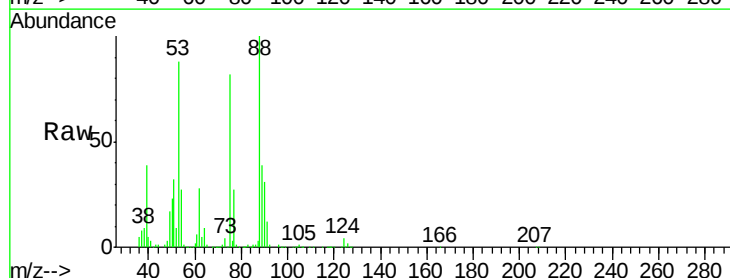
Tgt Ion: 75 Resp: 257486

Ion Ratio Lower Upper

75 100

53 106.5 84.0 126.0

89 46.9 35.5 53.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

12.54

200000

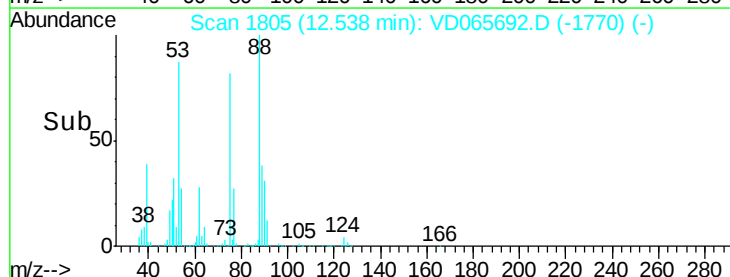
150000

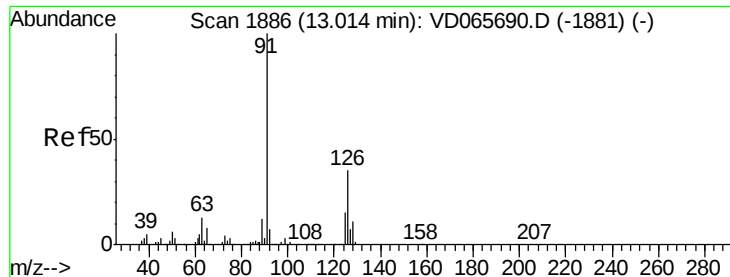
100000

50000

0

Time-->





#82

4-Chlorotoluene

Concen: 145.141 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

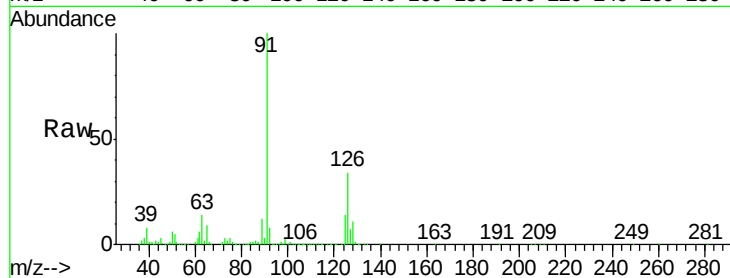
VSTDIC150

Tot Ion: 91 Resp: 3336713

Ion Ratio Lower Upper

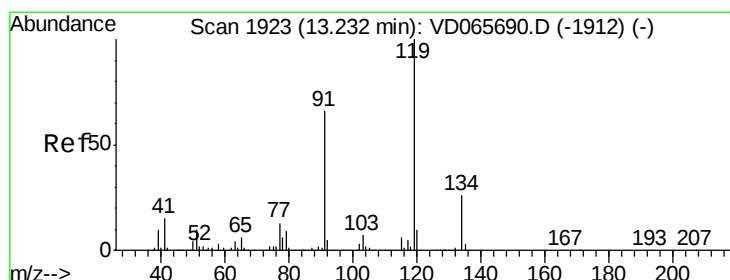
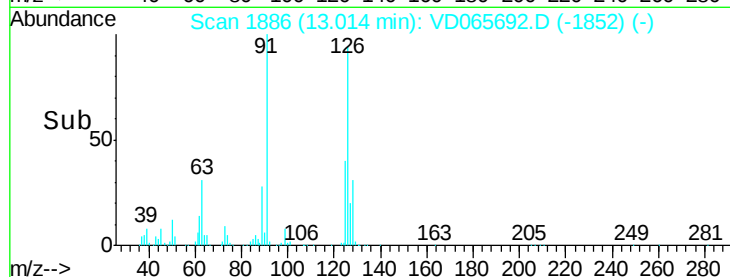
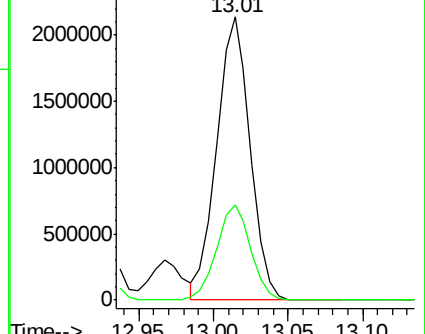
91 100

126 33.7 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#83

tert-Butylbenzene

Concen: 123.049 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

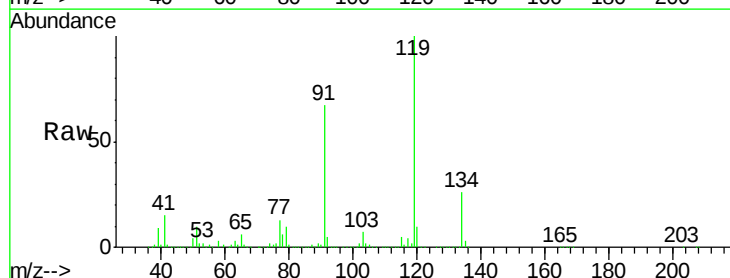
Tgt Ion: 119 Resp: 3302461

Ion Ratio Lower Upper

119 100

91 66.8 32.9 98.7

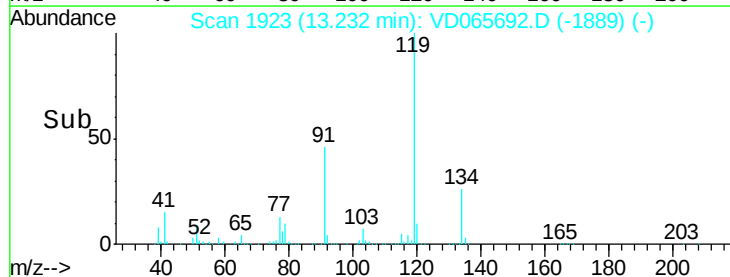
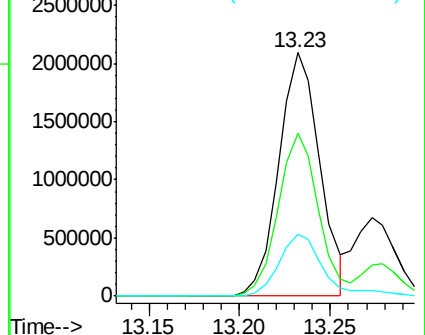
134 25.7 12.9 38.7

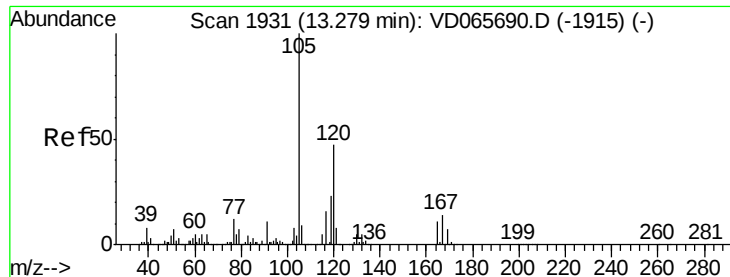


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 172.756 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

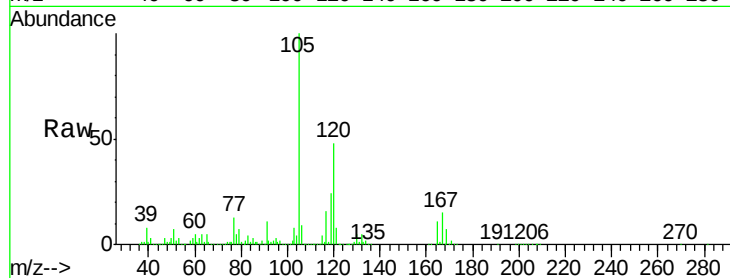
VSTDIC150

Tot Ion:105 Resp: 4008301

Ion Ratio Lower Upper

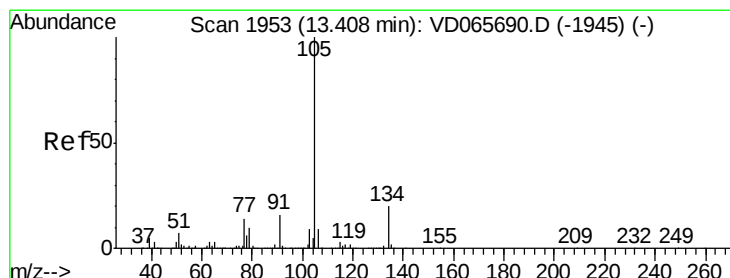
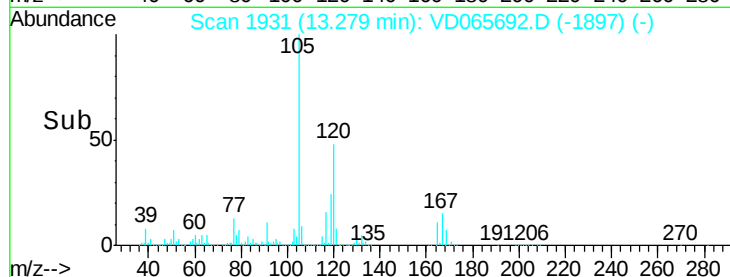
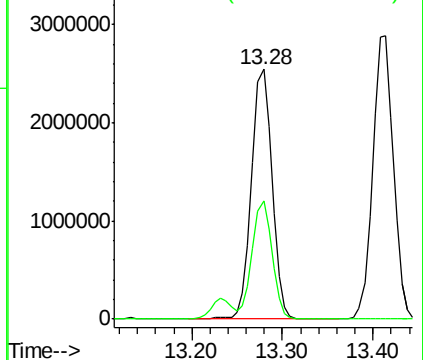
105 100

120 47.5 23.3 69.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#85

sec-Butylbenzene

Concen: 151.361 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065692.D

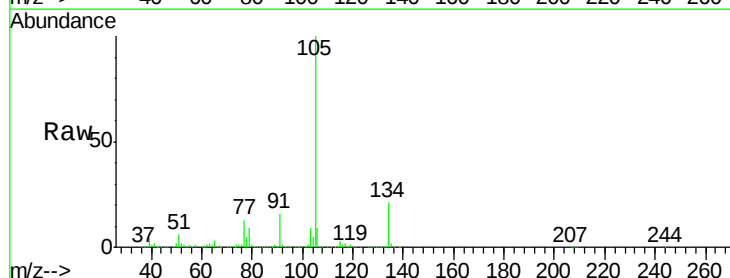
Acq: 01 May 2020 20:08

Tgt Ion:105 Resp: 4575249

Ion Ratio Lower Upper

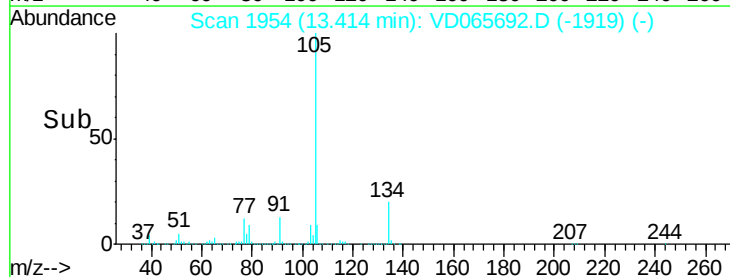
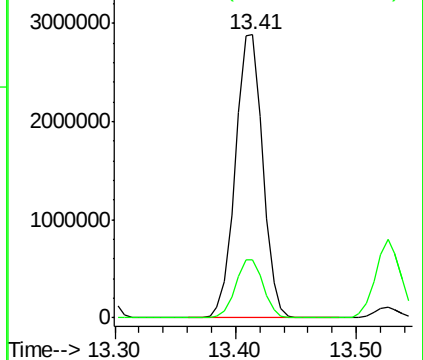
105 100

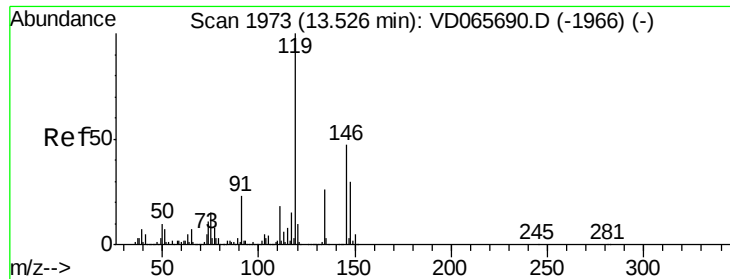
134 20.7 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

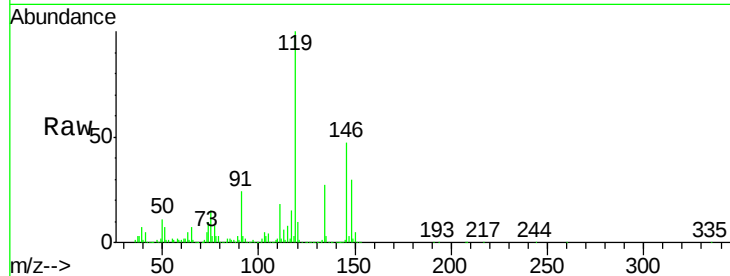




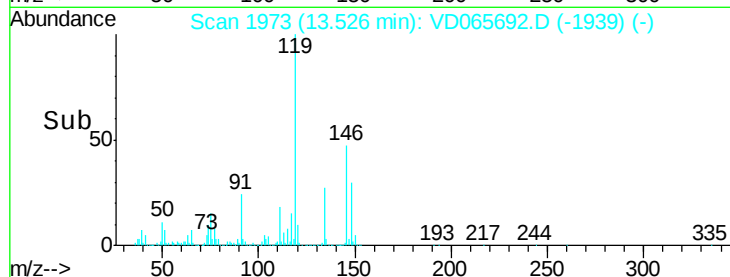
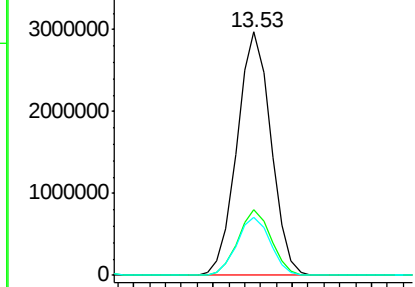
#86
 p-Isopropyltoluene
 Concen: 163.182 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 4412414
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.1 39.3
 91 24.0 11.7 35.1

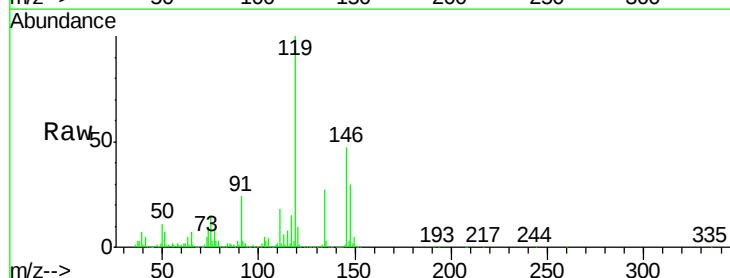
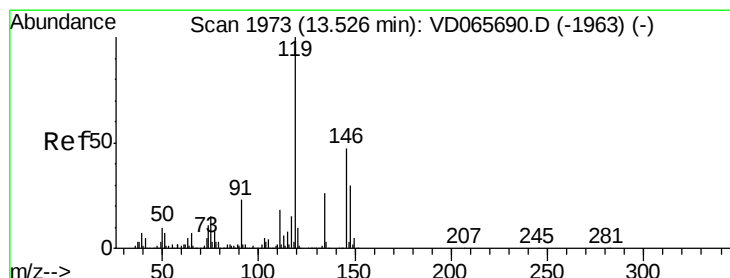


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

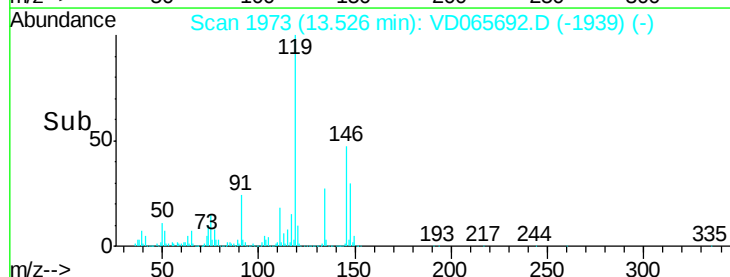
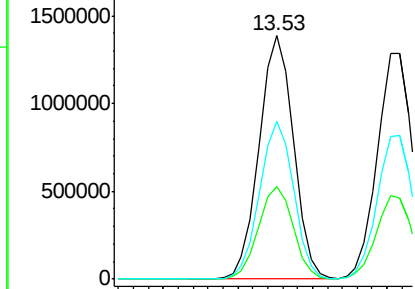


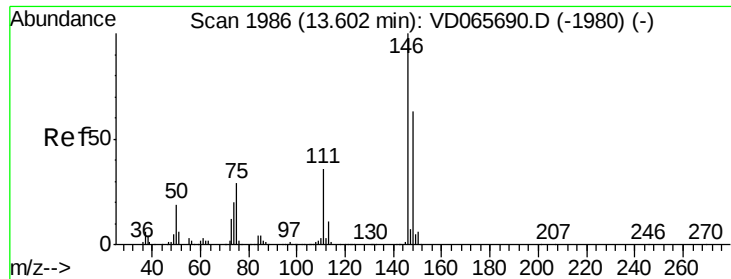
#87
 1,3-Dichlorobenzene
 Concen: 145.809 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion:146 Resp: 2211676
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.4 58.2
 148 64.9 31.4 94.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 149.985 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

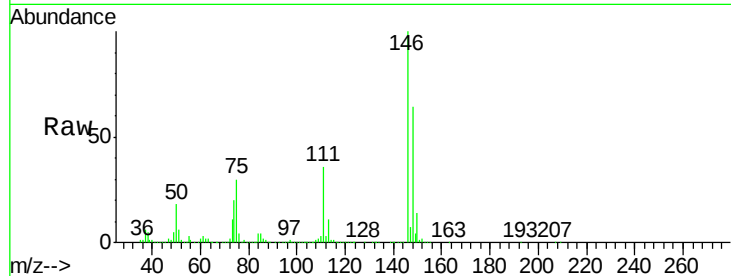
Tot Ion:146 Resp: 2129546

Ion Ratio Lower Upper

146 100

111 35.8 18.3 54.9

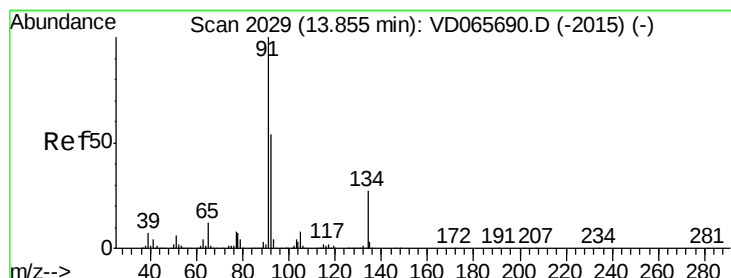
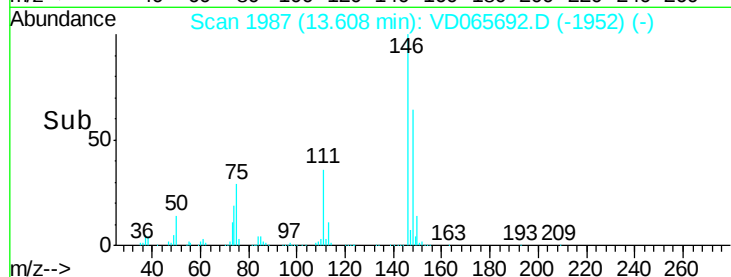
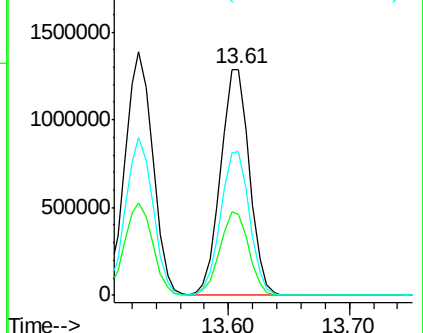
148 63.6 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 161.089 ug/l

RT: 13.86 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

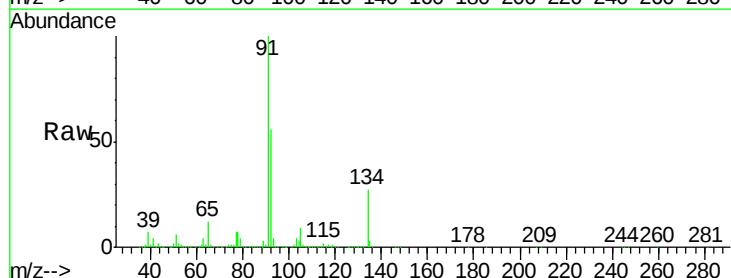
Tgt Ion: 91 Resp: 3958986

Ion Ratio Lower Upper

91 100

92 55.7 27.0 81.0

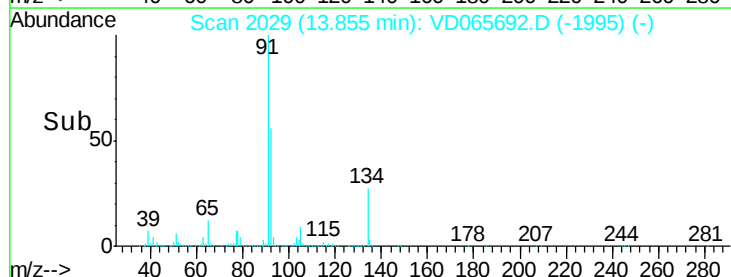
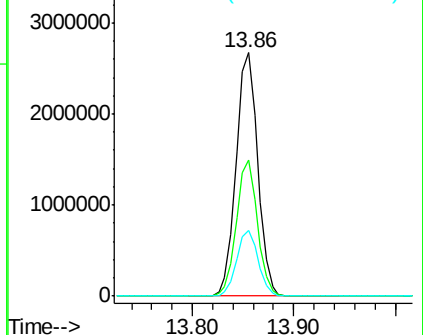
134 27.1 13.5 40.5

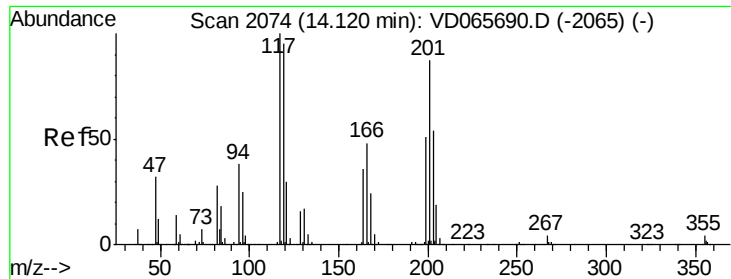


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

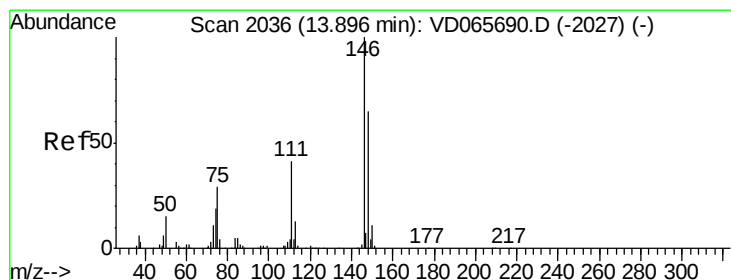
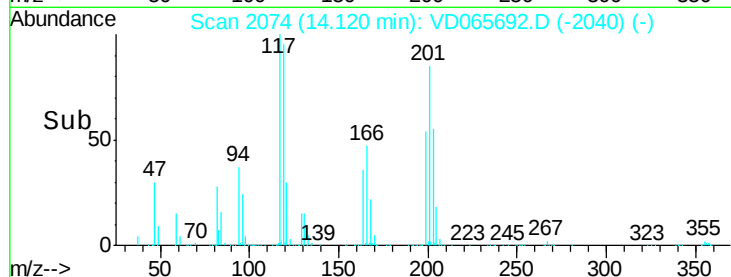
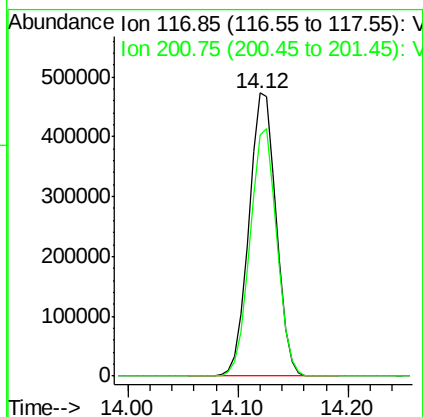
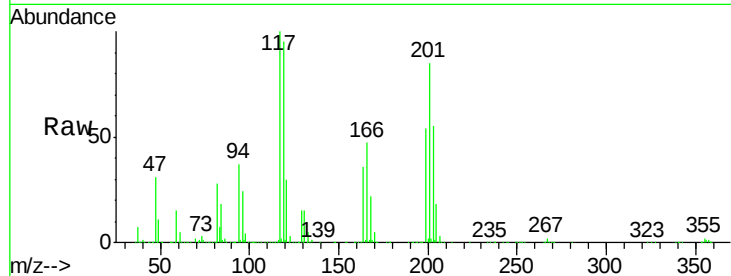




#90
Hexachloroethane
Concen: 117.194 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

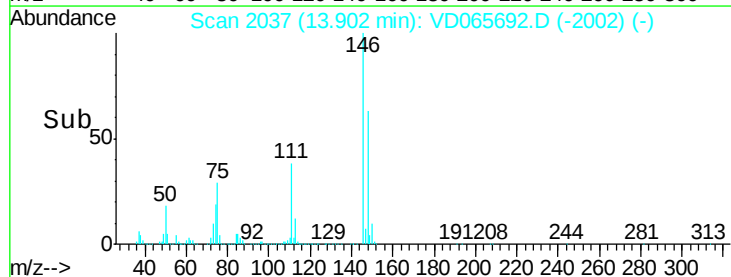
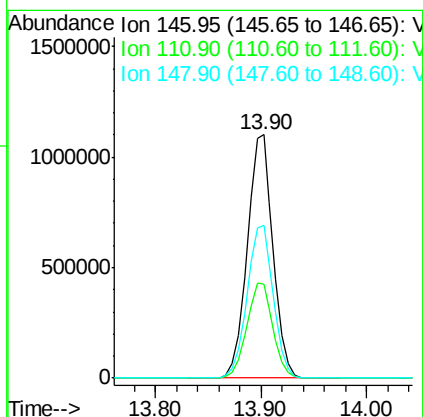
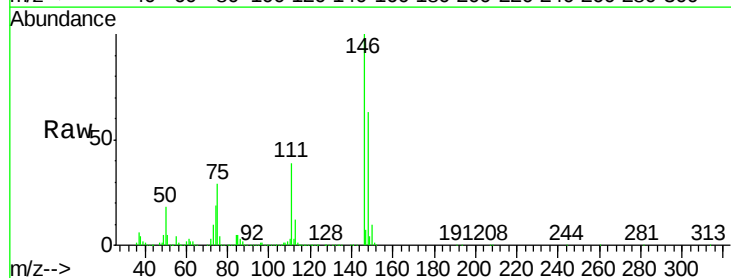
Instrument :
MSVOA_D
ClientSampled :
VSTDIC150

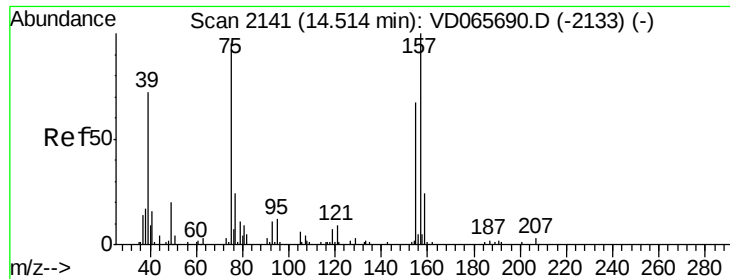
Tot Ion:117 Resp: 821086
Ion Ratio Lower Upper
117 100
201 85.1 43.7 131.1



#91
1,2-Dichlorobenzene
Concen: 146.734 ug/l
RT: 13.90 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion:146 Resp: 1853586
Ion Ratio Lower Upper
146 100
111 38.5 20.3 60.8
148 62.8 32.5 97.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 151.668 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

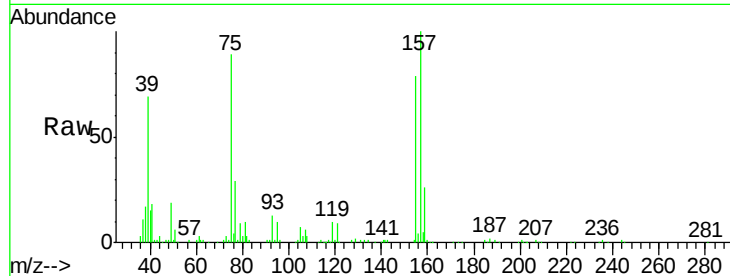
Tot Ion: 75 Resp: 122261

Ion Ratio Lower Upper

75 100

155 88.9 35.4 106.3

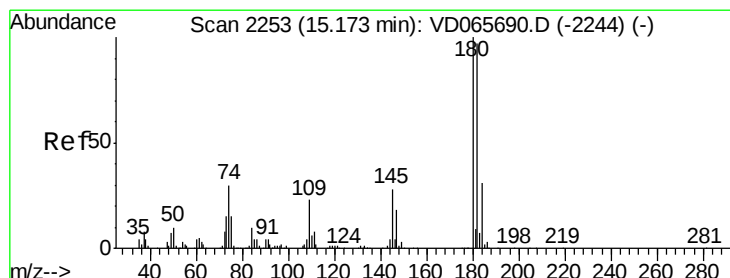
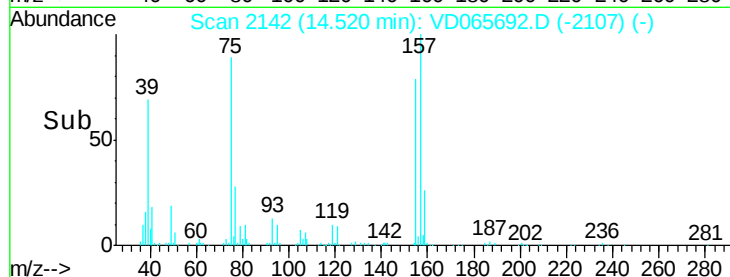
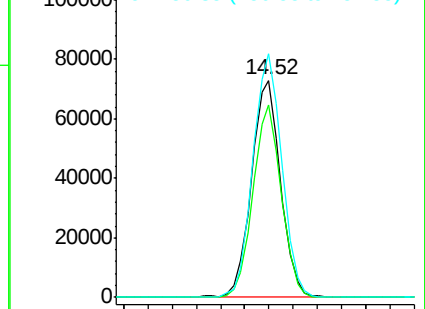
157 112.2 52.6 157.8



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 184.499 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

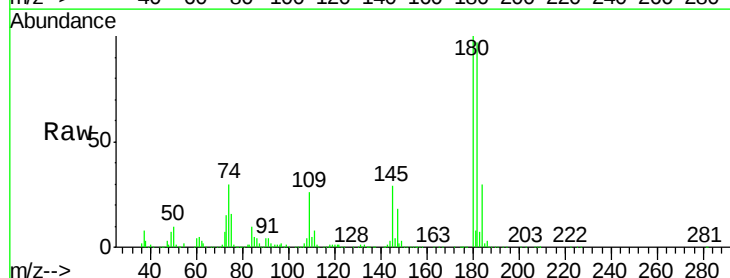
Tgt Ion: 180 Resp: 1285576

Ion Ratio Lower Upper

180 100

182 97.1 48.5 145.5

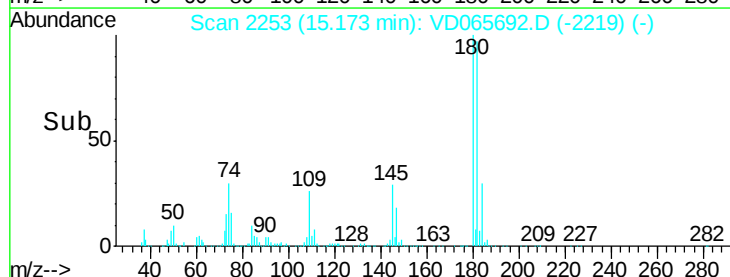
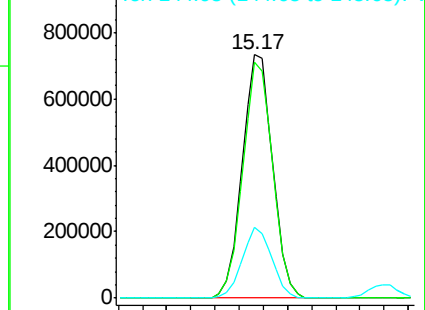
145 29.3 14.2 42.6

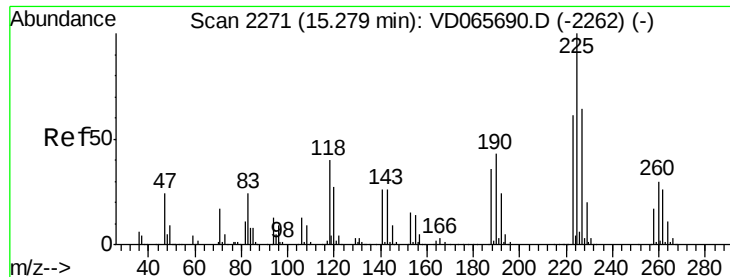


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#94

Hexachlorobutadiene

Concen: 162.848 ug/l

RT: 15.28 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

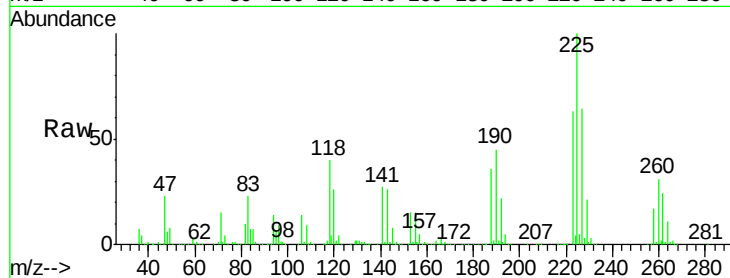
Tot Ion:225 Resp: 824567

Ion Ratio Lower Upper

225 100

223 63.5 30.4 91.3

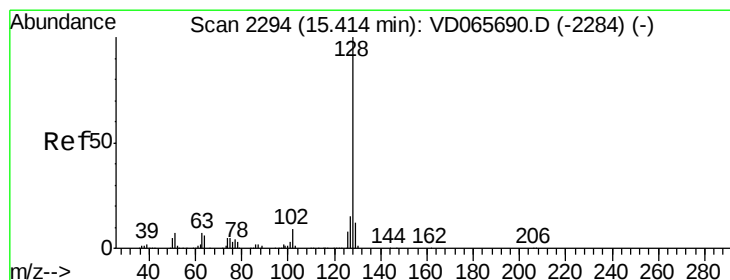
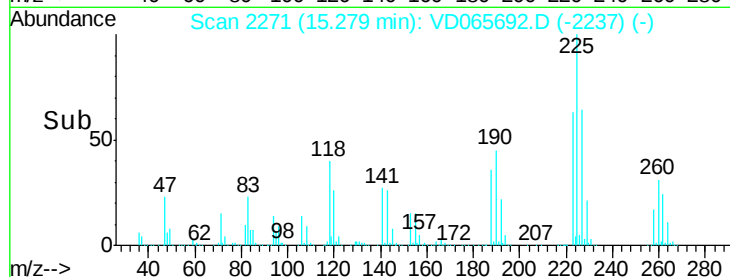
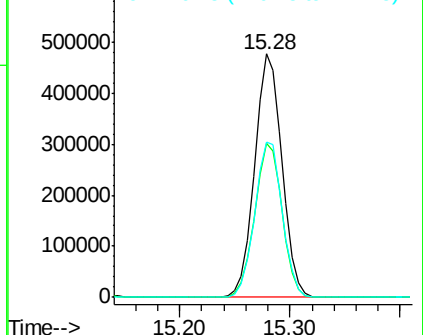
227 63.9 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V



#95

Naphthalene

Concen: 188.600 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

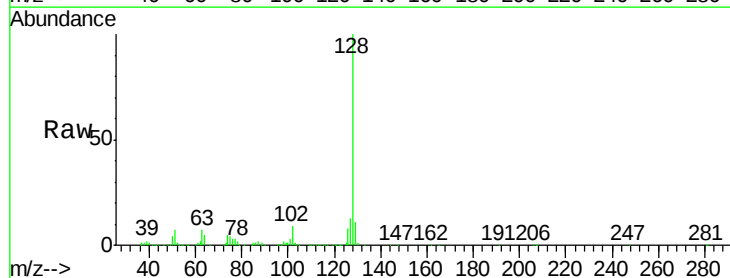
Tgt Ion:128 Resp: 2128946

Ion Ratio Lower Upper

128 100

127 13.2 11.8 17.6

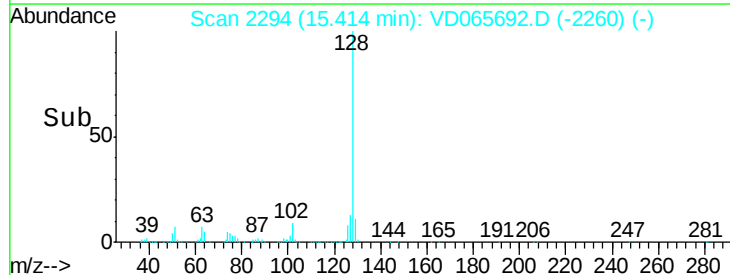
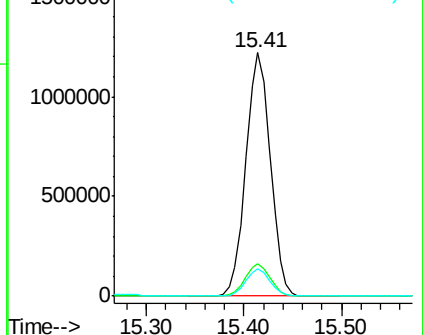
129 11.1 9.6 14.4

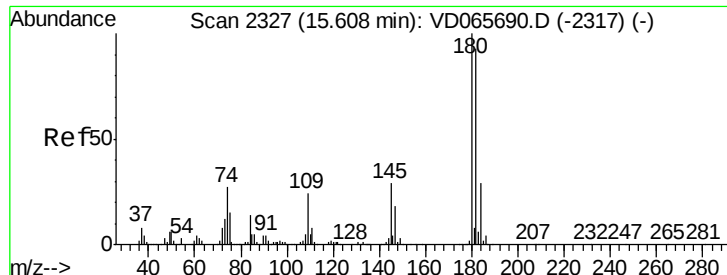


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

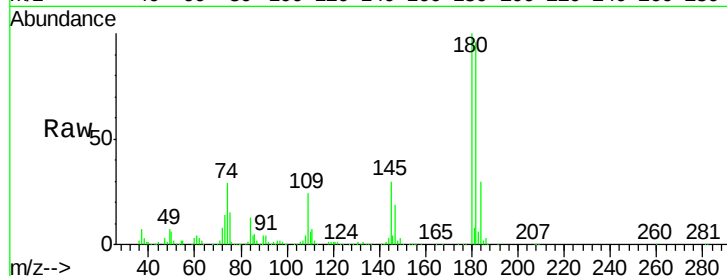




#96
 1,2,3-Trichlorobenzene
 Concen: 255.440 ug/l
 RT: 15.61 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.6	139.7
145	30.4	14.5	43.6



Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

