

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042920\
 Data File : VD065684.D
 Acq On : 29 Apr 2020 15:55
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Apr 30 07:20:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042920S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 30 07:01:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	799903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1080373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1073565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	618033	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	910400	127.03	ug/l	0.00
Spiked Amount			Recovery	=	254.06%	
35) Dibromofluoromethane	7.92	113	1076703	145.65	ug/l	0.00
Spiked Amount			Recovery	=	291.30%	
50) Toluene-d8	10.34	98	4472693	176.39	ug/l	0.00
Spiked Amount			Recovery	=	352.78%	
62) 4-Bromofluorobenzene	12.64	95	1427944	174.15	ug/l	0.00
Spiked Amount			Recovery	=	348.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	442525	104.674	ug/l	98
3) Chloromethane	2.21	50	792524	96.930	ug/l	95
4) Vinyl Chloride	2.35	62	1466131	111.509	ug/l	97
5) Bromomethane	2.74	94	1319786	107.275	ug/l	100
6) Chloroethane	2.91	64	1041803	107.623	ug/l	96
7) Trichlorofluoromethane	3.27	101	2935373	112.316	ug/l	96
8) Diethyl Ether	3.71	74	816021	110.938	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	924224	73.370	ug/l	99
10) Methyl Iodide	4.29	142	1095695	204.261	ug/l	99
11) Tert butyl alcohol	5.25	59	158762	603.662	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	862313	69.721	ug/l	97
13) Acrolein	3.92	56	235739	272.438	ug/l	96
14) Allyl chloride	4.71	41	900667	145.226	ug/l	97
15) Acrylonitrile	5.43	53	684474	659.703	ug/l	98
16) Acetone	4.17	43	476155	407.659	ug/l	98
17) Carbon Disulfide	4.39	76	2553866	125.536	ug/l	100
18) Methyl Acetate	4.72	43	296060	115.133	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1738105	151.654	ug/l	97
20) Methylene Chloride	4.96	84	912310	107.487	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	1070206	141.644	ug/l	98
22) Diisopropyl ether	6.37	45	2026294	151.550	ug/l	95
23) Vinyl Acetate	6.31	43	5546476	910.601	ug/l	98
24) 1,1-Dichloroethane	6.26	63	1514508	127.610	ug/l	99
25) 2-Butanone	7.23	43	739347	625.586	ug/l	92
26) 2,2-Dichloropropane	7.21	77	1532233	132.734	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	1169726	149.683	ug/l	97
28) Bromochloromethane	7.55	49	502257	113.975	ug/l	93
29) Tetrahydrofuran	7.57	42	465042	679.879	ug/l	98
30) Chloroform	7.71	83	1839199	128.097	ug/l	100
31) Cyclohexane	7.98	56	1335568	132.876	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	1783068	134.360	ug/l	98
36) 1,1-Dichloropropene	8.11	75	1433772	150.230	ug/l	99
37) Ethyl Acetate	7.30	43	344353	134.035	ug/l	95
38) Carbon Tetrachloride	8.10	117	1707463	141.609	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1821722	180.089	ug/l	96
40) Benzene	8.36	78	4070955	150.871	ug/l	99
41) Methacrylonitrile	7.54	41	218024m	136.616	ug/l	
42) 1,2-Dichloroethane	8.43	62	1006962	129.112	ug/l	98
43) Isopropyl Acetate	8.46	43	678925	140.646	ug/l	96
44) Trichloroethene	9.11	130	1236779	148.351	ug/l	100
45) 1,2-Dichloropropane	9.39	63	852385	139.738	ug/l	94
46) Dibromomethane	9.48	93	532794	134.898	ug/l	94
47) Bromodichloromethane	9.67	83	1426475	136.624	ug/l	98
48) Methyl methacrylate	9.46	41	316366	149.682	ug/l	97
49) 1,4-Dioxane	9.47	88	113994	2952.946	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	1799232	735.447	ug/l	97
52) Toluene	10.41	92	2984678	168.989	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	1286606	159.210	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	1537475	159.127	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	762082	138.806	ug/l	96
56) Ethyl methacrylate	10.67	69	801325	192.213	ug/l	97
57) 1,3-Dichloropropane	10.95	76	1194559	145.048	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	1708708	810.339	ug/l	99
59) 2-Hexanone	10.99	43	1225388	788.759	ug/l	98
60) Dibromochloromethane	11.14	129	1104607	151.159	ug/l	99
61) 1,2-Dibromoethane	11.25	107	757734	149.832	ug/l	100
64) Tetrachloroethene	10.88	164	1149804	154.281	ug/l	97
65) Chlorobenzene	11.67	112	3220277	150.877	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	1264542	156.915	ug/l	99
67) Ethyl Benzene	11.75	91	5752456	173.437	ug/l	97
68) m/p-Xylenes	11.86	106	4732169	356.770	ug/l	95
69) o-Xylene	12.18	106	2115623	189.428	ug/l	95
70) Styrene	12.20	104	3695428	185.760	ug/l	99
71) Bromoform	12.37	173	677658	150.586	ug/l #	100
73) Isopropylbenzene	12.48	105	5863047	182.233	ug/l	99
74) N-amyl acetate	12.30	43	676008	152.052	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	780556	121.670	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	474288m	67.974	ug/l	
77) Bromobenzene	12.77	156	1469139	162.781	ug/l	94
78) n-propylbenzene	12.83	91	6564929	165.010	ug/l	97
79) 2-Chlorotoluene	12.91	91	3580399	158.926	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	4911586	175.192	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	248687	142.506	ug/l	95
82) 4-Chlorotoluene	13.01	91	3812689	156.339	ug/l	99
83) tert-Butylbenzene	13.23	119	4337889	187.420	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	4947384	178.563	ug/l	99
85) sec-Butylbenzene	13.41	105	5823367	172.684	ug/l	98
86) p-Isopropyltoluene	13.53	119	5828459	187.416	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	2971013	160.935	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	2816269	146.965	ug/l	98
89) n-Butylbenzene	13.85	91	4873170	173.484	ug/l	97
90) Hexachloroethane	14.12	117	1090076	141.327	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	2432261	152.745	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	114577	120.687	ug/l	98

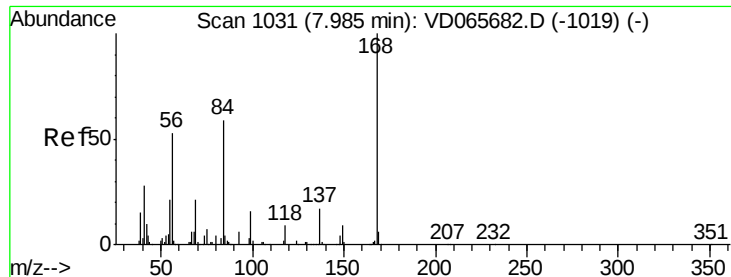
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042920\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	1657663	182.651	ug/l	99
94) Hexachlorobutadiene	15.28	225	1070660	158.720	ug/l	99
95) Naphthalene	15.41	128	2539206	196.968	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	1400968	172.537	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

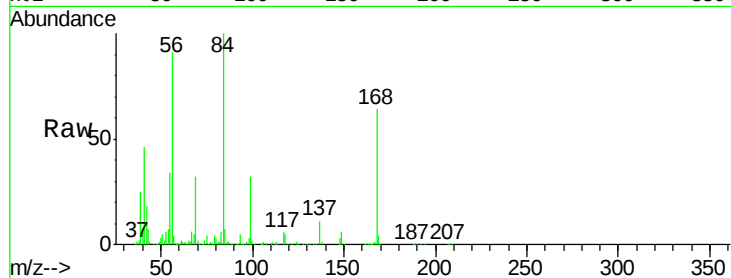
VSTDIC150

Tot Ion:168 Resp: 799903

Ion Ratio Lower Upper

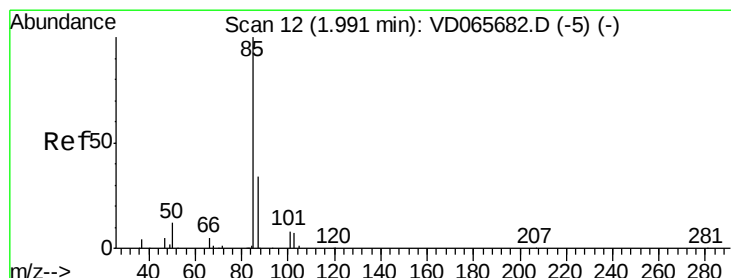
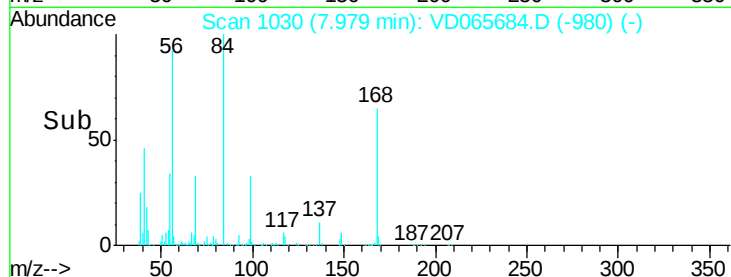
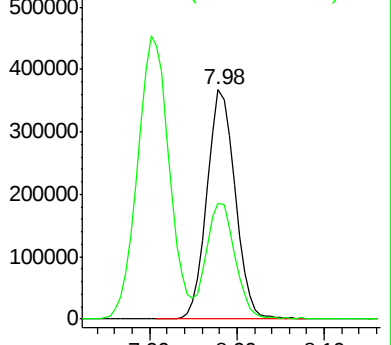
168 100

99 50.1 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 104.674 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065684.D

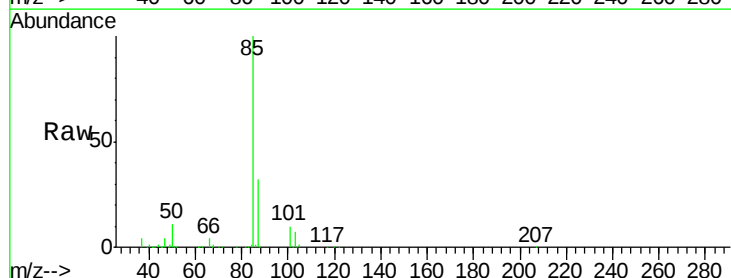
Acq: 29 Apr 2020 15:55

Tgt Ion: 85 Resp: 442525

Ion Ratio Lower Upper

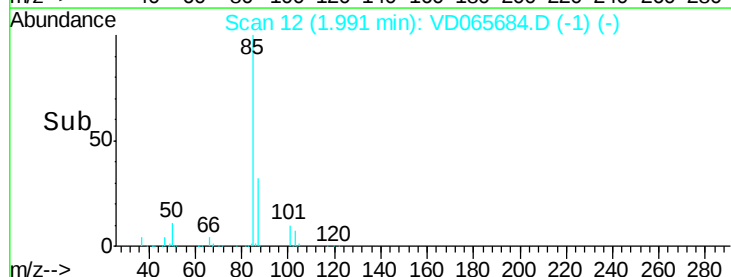
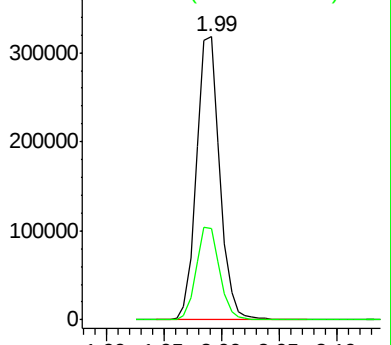
85 100

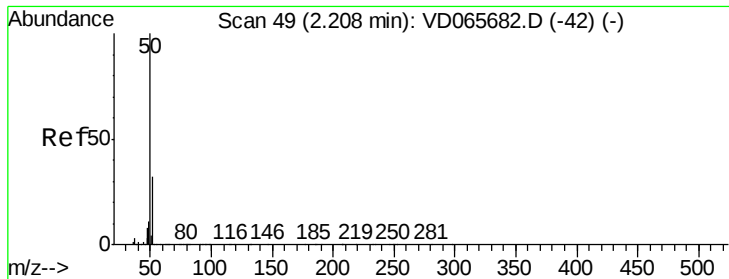
87 32.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

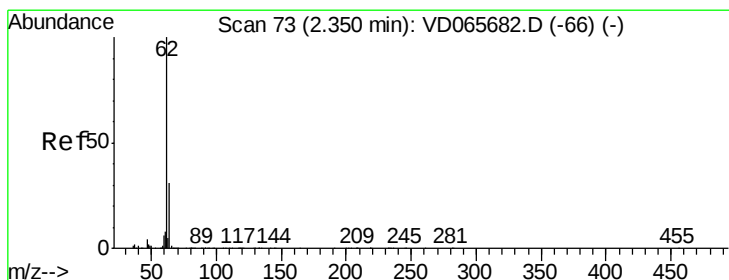
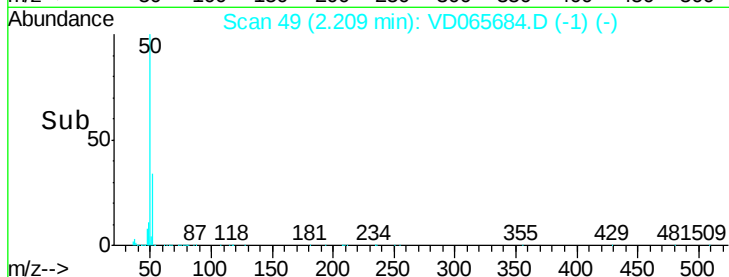
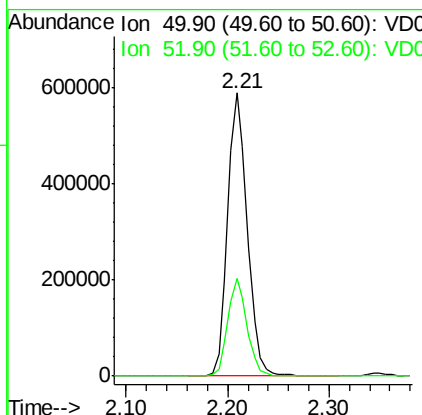
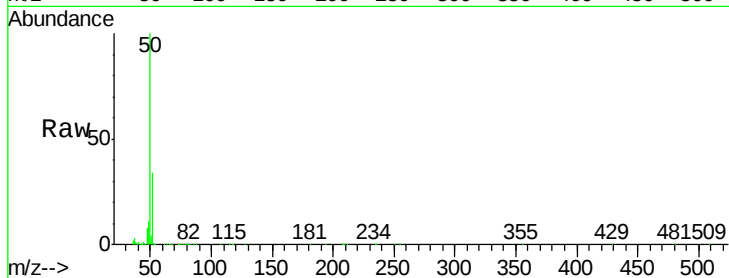




#3
Chloromethane
Concen: 96.930 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

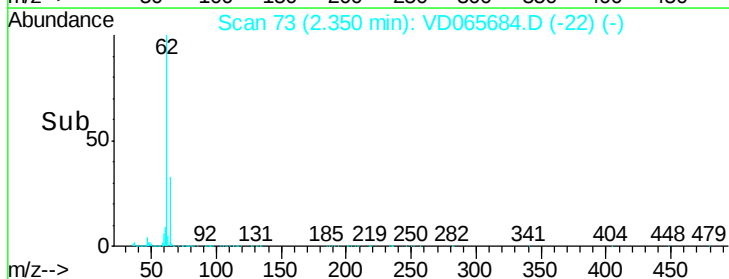
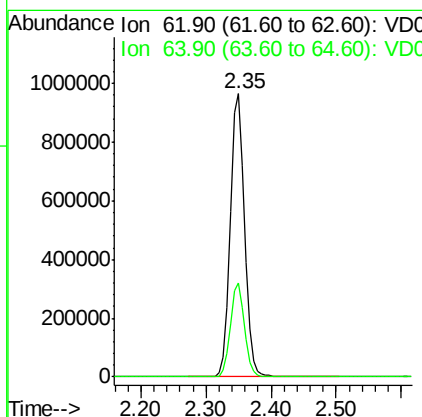
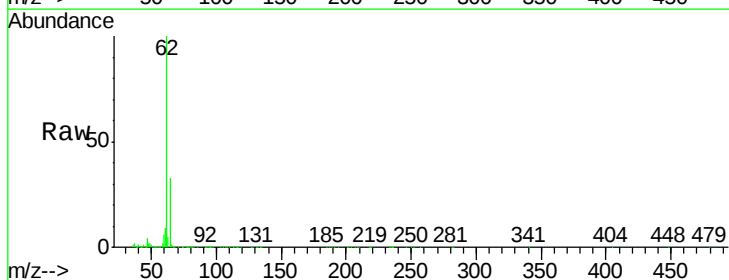
Instrument :
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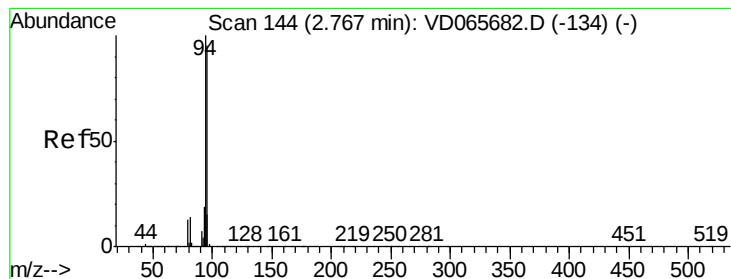
Tot Ion: 50 Resp: 792524
Ion Ratio Lower Upper
50 100
52 34.4 25.4 38.0



#4
Vinyl Chloride
Concen: 111.509 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion: 62 Resp: 1466131
Ion Ratio Lower Upper
62 100
64 33.0 25.1 37.7





#5

Bromomethane

Concen: 107.275 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

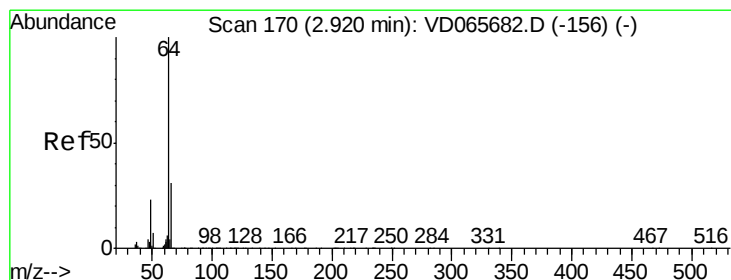
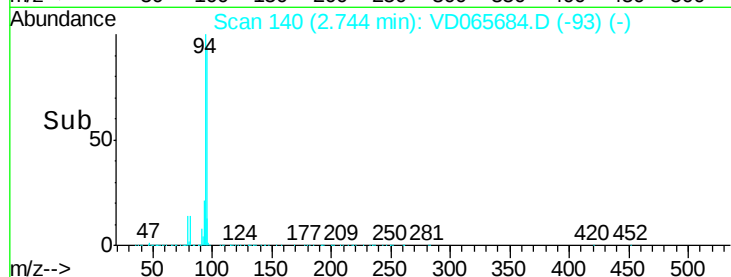
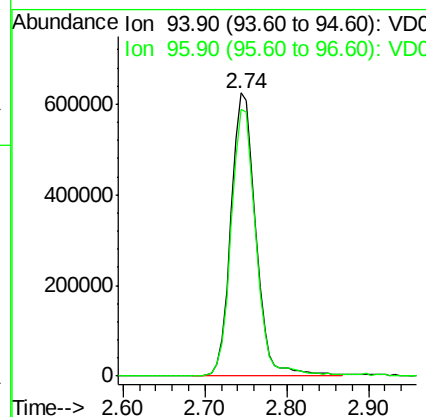
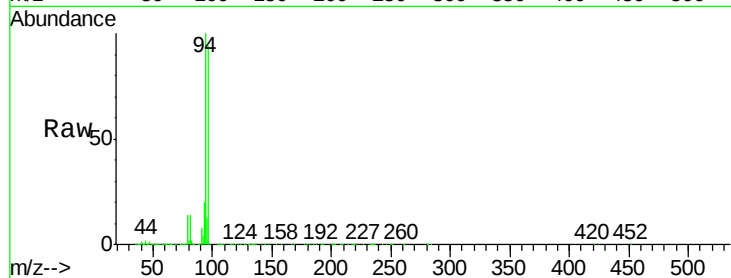
VSTDIC150

Tot Ion: 94 Resp: 1319786

Ion Ratio Lower Upper

94 100

96 94.4 75.8 113.8



#6

Chloroethane

Concen: 107.623 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065684.D

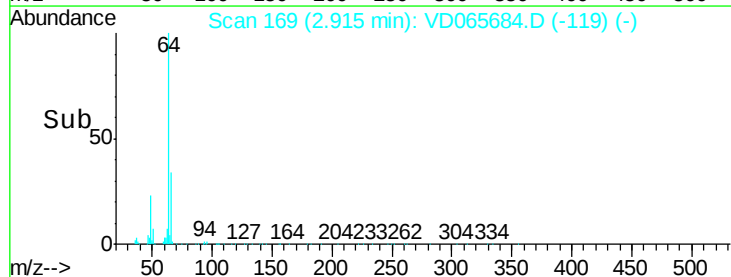
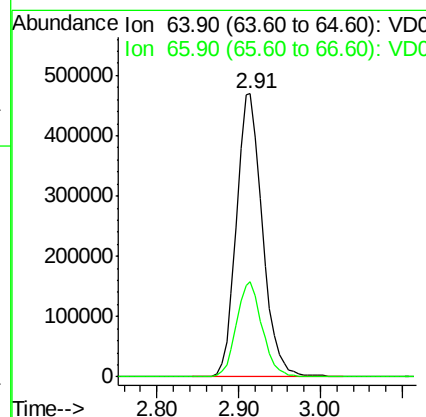
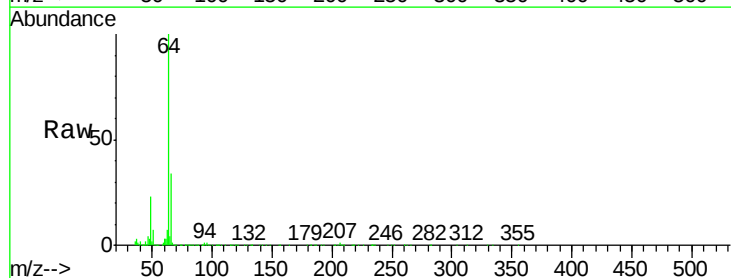
Acq: 29 Apr 2020 15:55

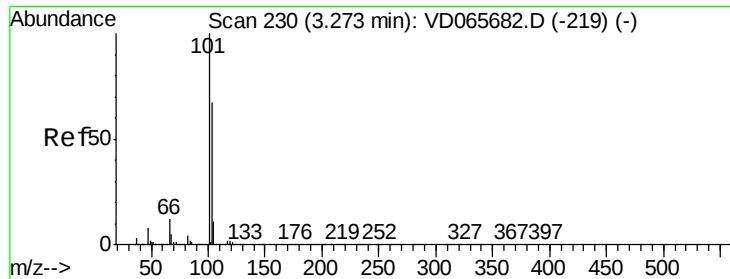
Tgt Ion: 64 Resp: 1041803

Ion Ratio Lower Upper

64 100

66 33.5 25.2 37.8



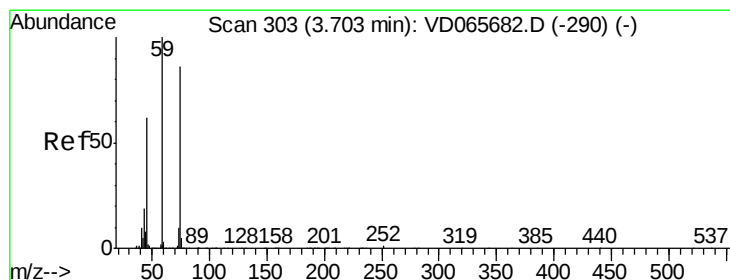
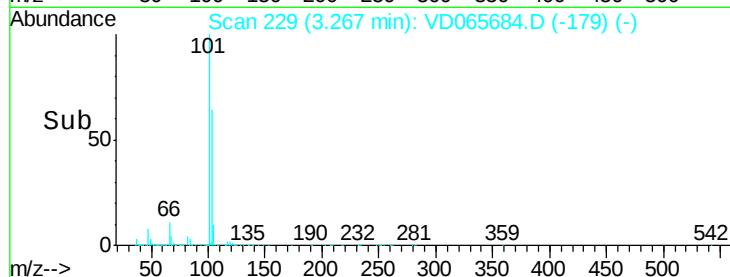
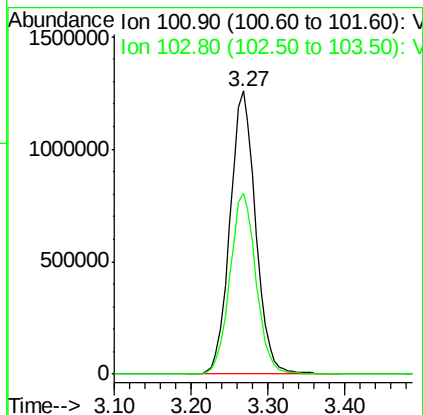
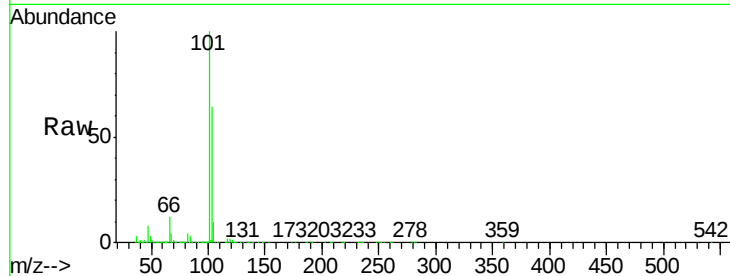


#7

Trichlorofluoromethane
Concen: 112.316 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

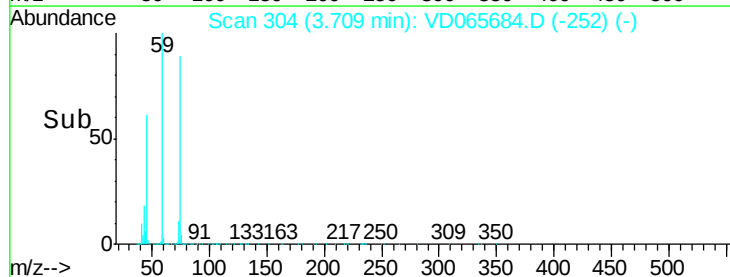
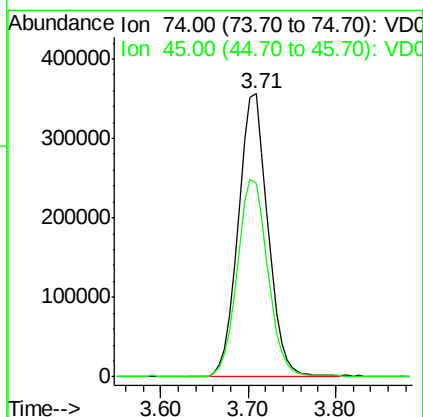
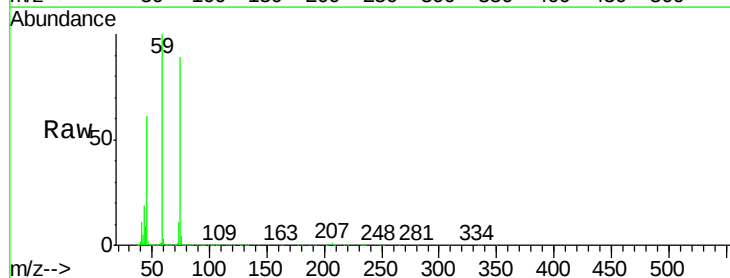
Tot Ion:101 Resp: 2935373
Ion Ratio Lower Upper
101 100
103 63.8 53.9 80.9

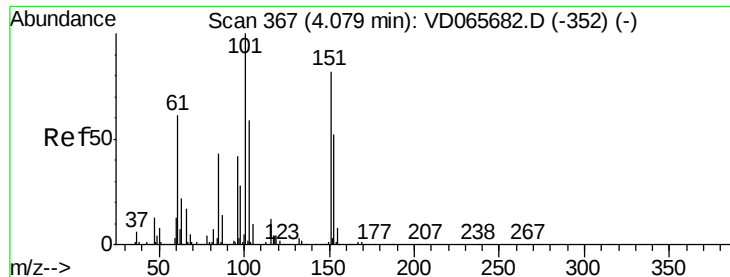


#8

Diethyl Ether
Concen: 110.938 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion: 74 Resp: 816021
Ion Ratio Lower Upper
74 100
45 71.3 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 73.370 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

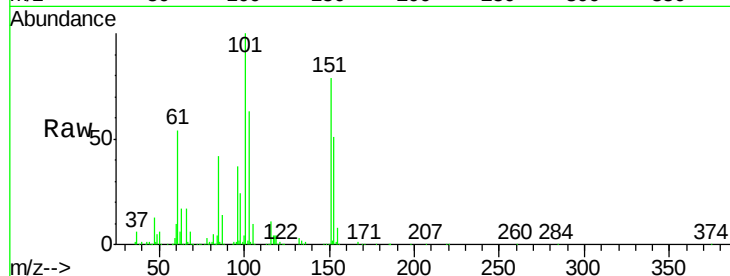
Tot Ion:101 Resp: 924224

Ion Ratio Lower Upper

101 100

85 43.5 35.4 53.2

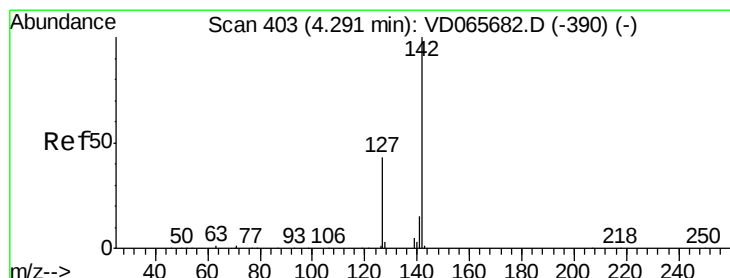
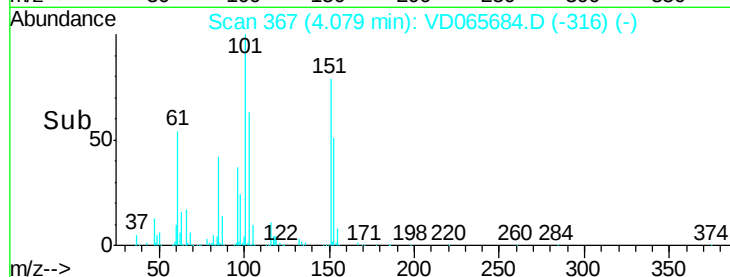
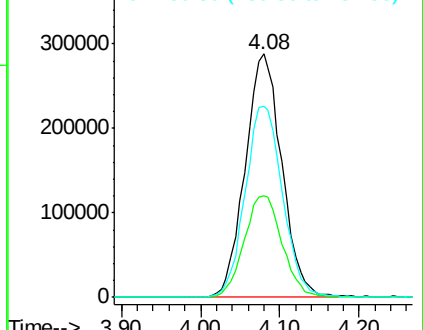
151 80.7 64.1 96.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 204.261 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

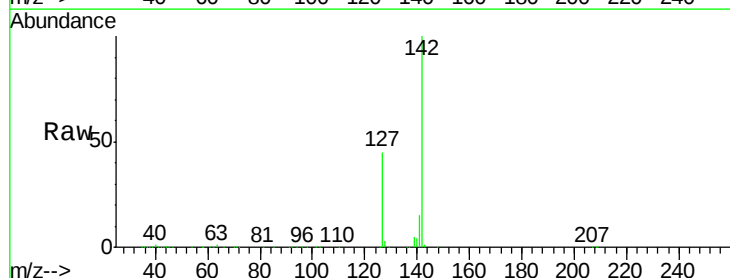
Tgt Ion:142 Resp: 1095695

Ion Ratio Lower Upper

142 100

127 46.4 36.7 55.1

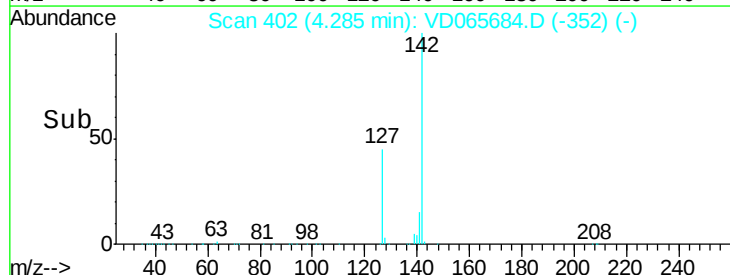
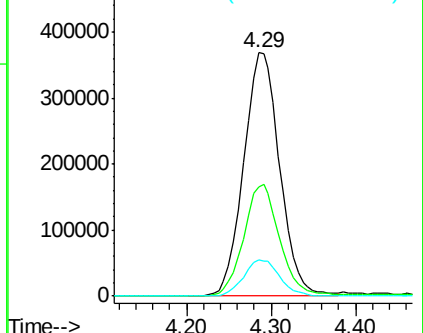
141 14.9 12.2 18.2

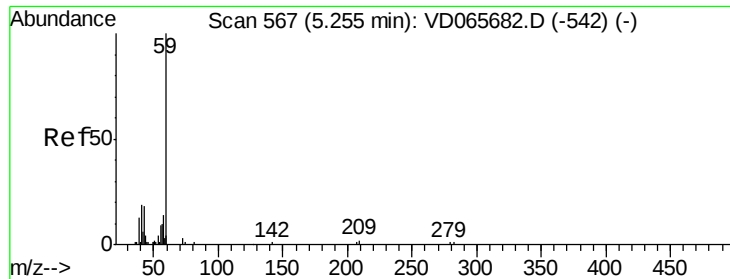


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

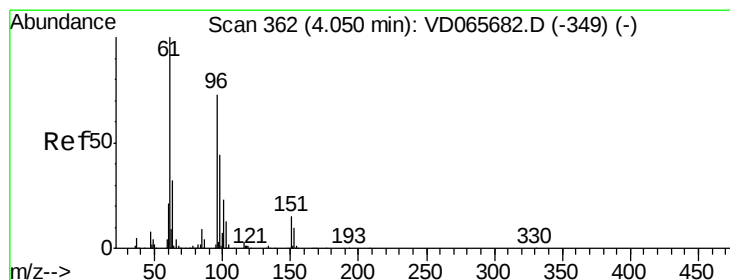
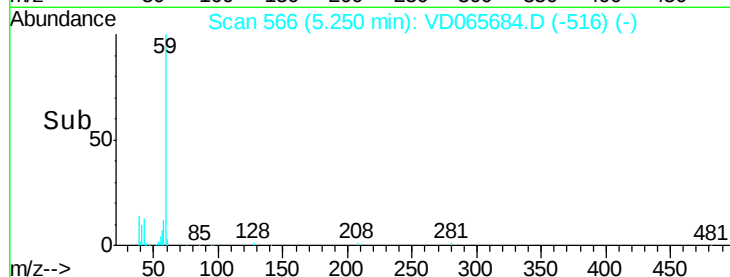
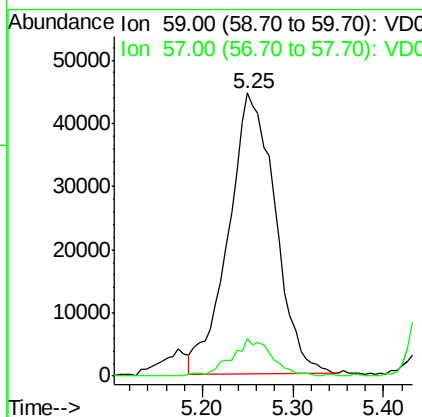
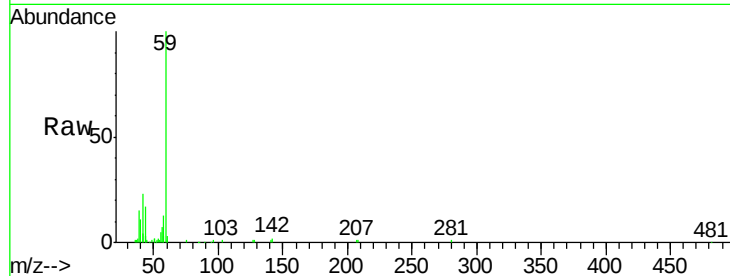




#11
Tert butyl alcohol
Concen: 603.662 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

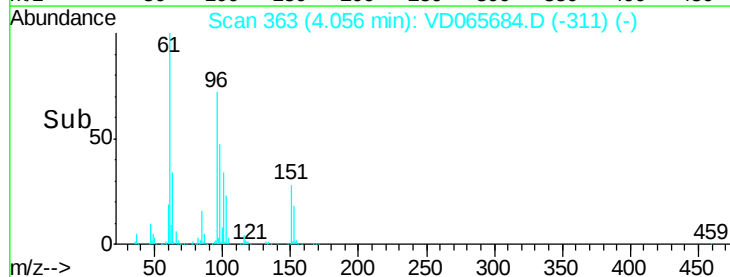
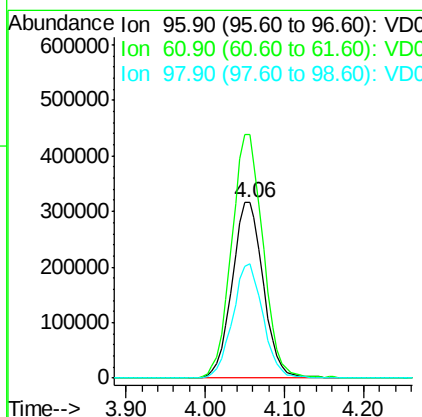
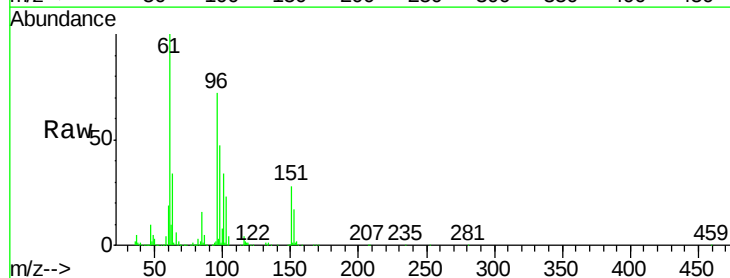
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

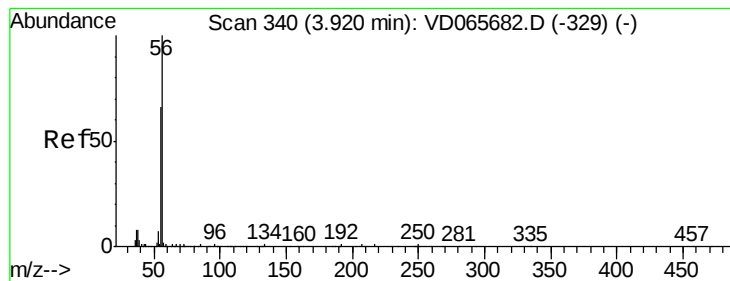
Tot Ion: 59 Resp: 158762
Ion Ratio Lower Upper
59 100
57 11.7 6.8 10.2#



#12
1,1-Dichloroethene
Concen: 69.721 ug/l
RT: 4.06 min Scan# 363
Delta R.T. 0.01 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion: 96 Resp: 862313
Ion Ratio Lower Upper
96 100
61 138.5 108.9 163.3
98 64.7 47.8 71.8





#13

Acrolein

Concen: 272.438 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

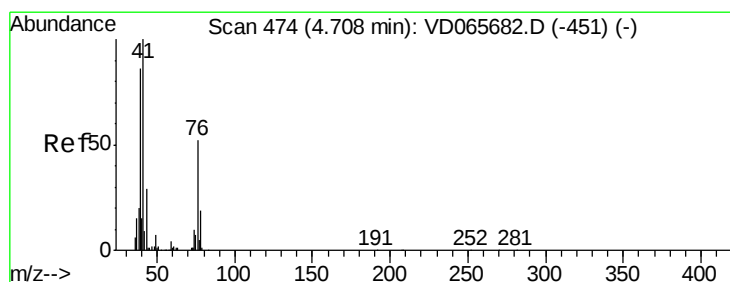
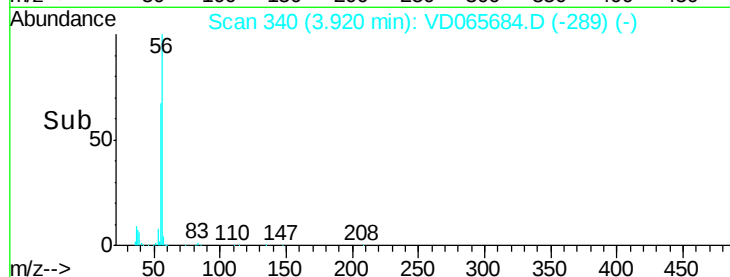
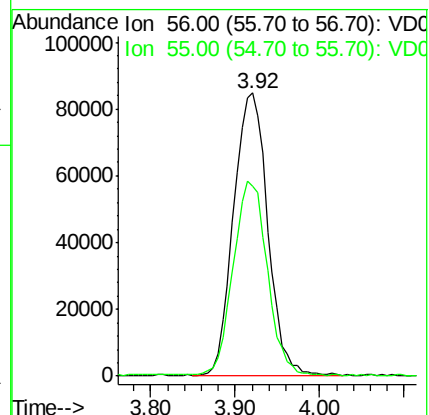
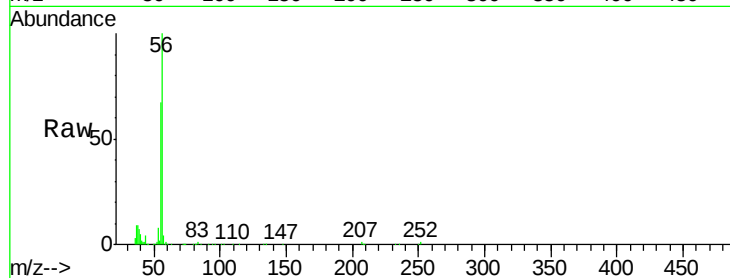
VSTDIC150

Tot Ion: 56 Resp: 235739

Ion Ratio Lower Upper

56 100

55 68.9 57.7 86.5



#14

Allyl chloride

Concen: 145.226 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

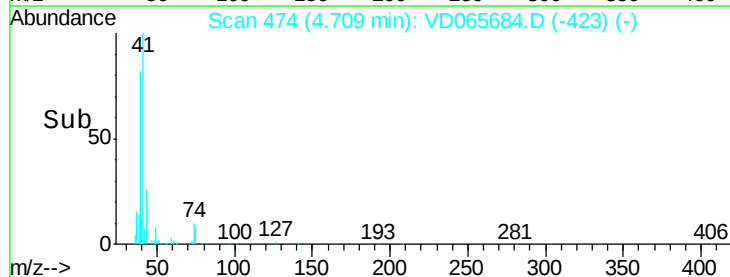
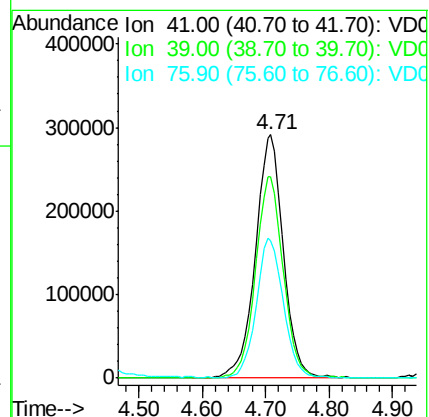
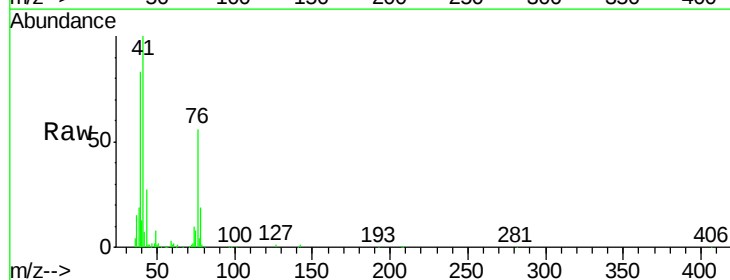
Tgt Ion: 41 Resp: 900667

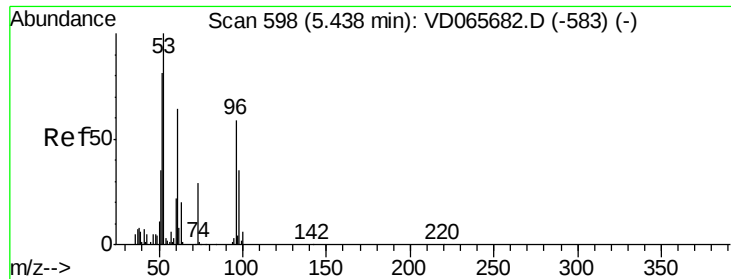
Ion Ratio Lower Upper

41 100

39 81.6 66.2 99.4

76 54.9 41.3 61.9





#15

Acrylonitrile

Concen: 659.703 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.01 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

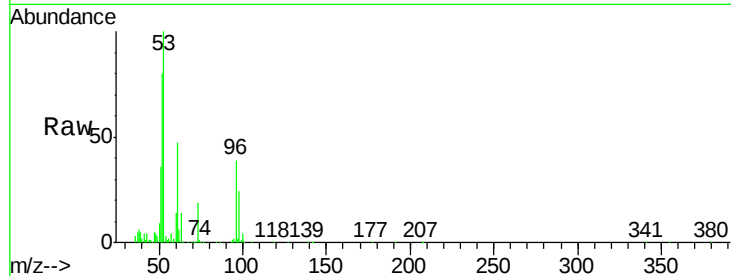
Tot Ion: 53 Resp: 684474

Ion Ratio Lower Upper

53 100

52 80.7 66.2 99.4

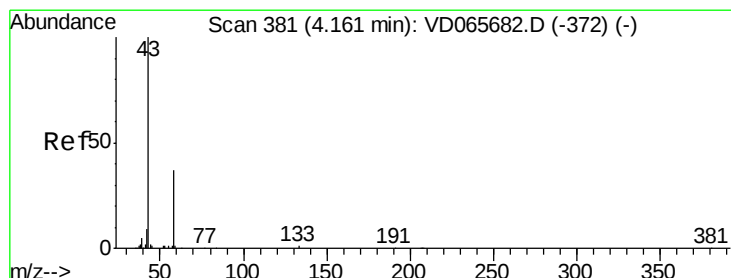
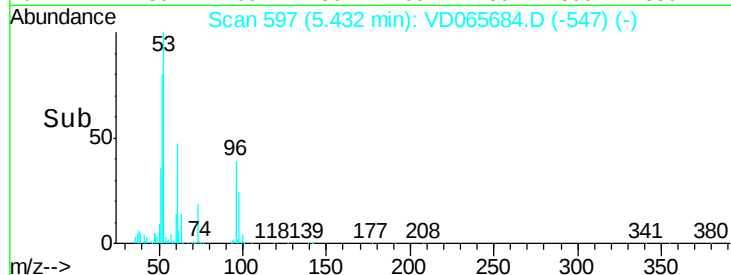
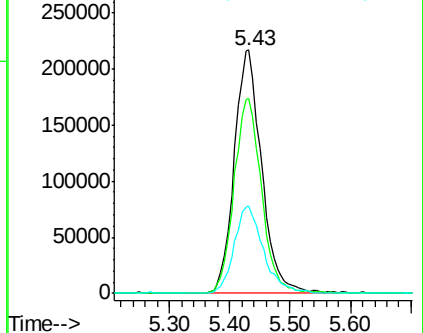
51 38.5 31.5 47.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 407.659 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065684.D

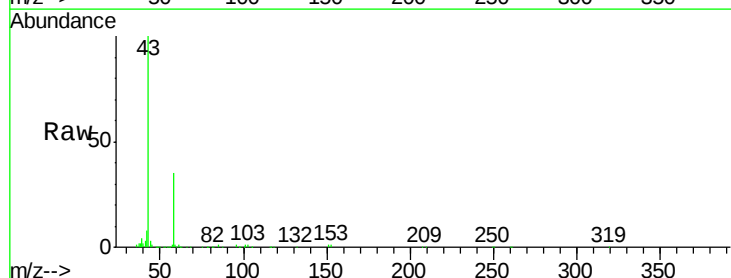
Acq: 29 Apr 2020 15:55

Tgt Ion: 43 Resp: 476155

Ion Ratio Lower Upper

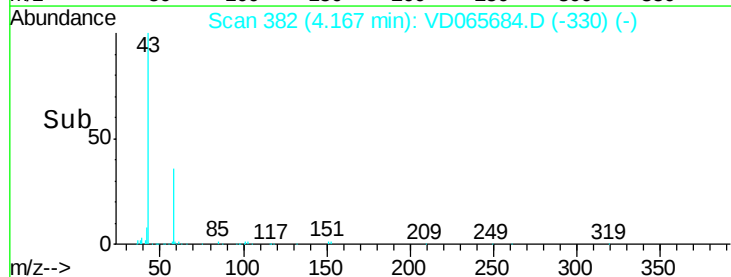
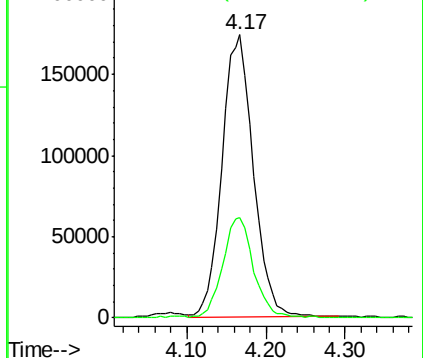
43 100

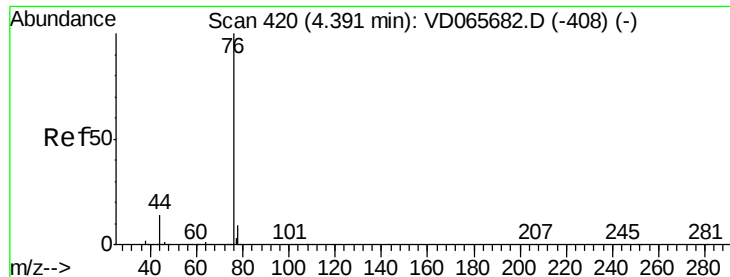
58 35.4 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 125.536 ug/l

RT: 4.39 min Scan# 420

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

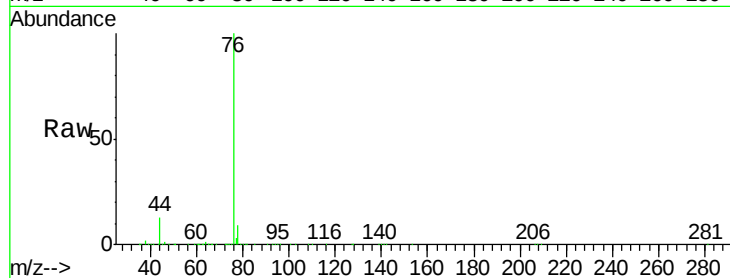
VSTDIC150

Tot Ion: 76 Resp: 2553866

Ion Ratio Lower Upper

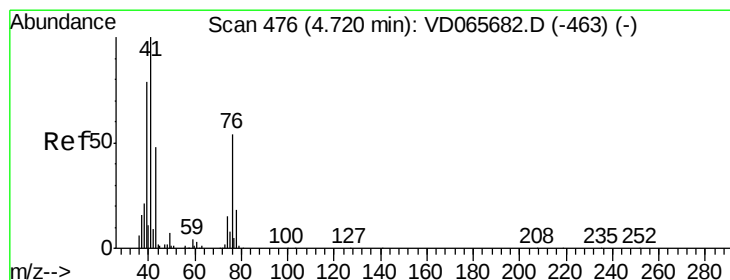
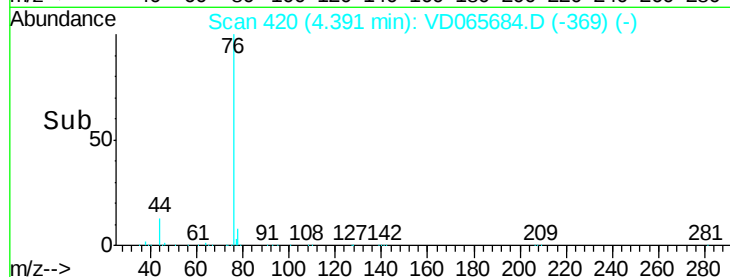
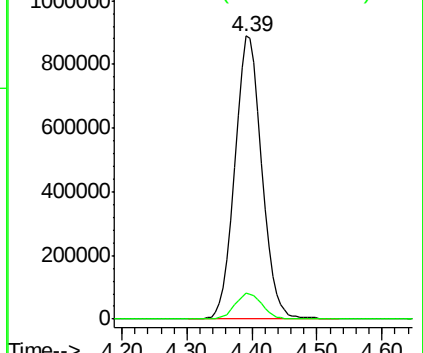
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 115.133 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065684.D

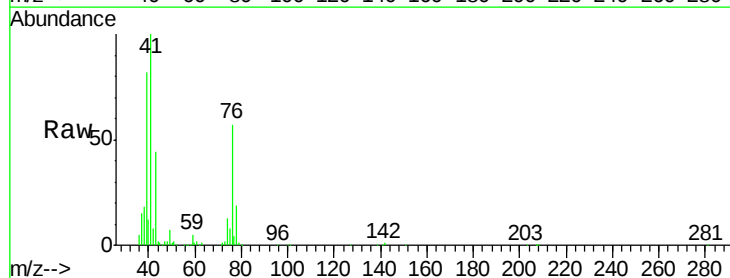
Acq: 29 Apr 2020 15:55

Tgt Ion: 43 Resp: 296060

Ion Ratio Lower Upper

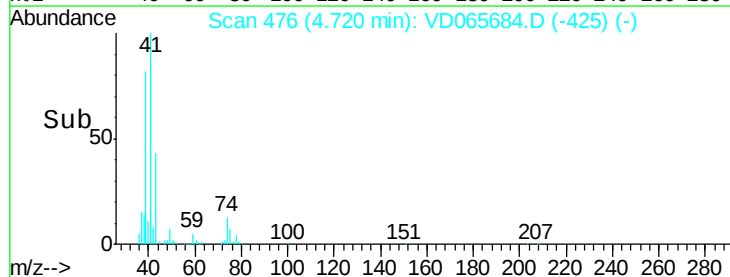
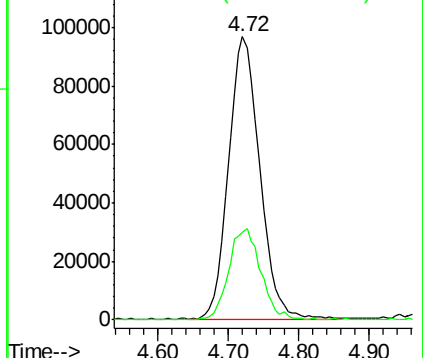
43 100

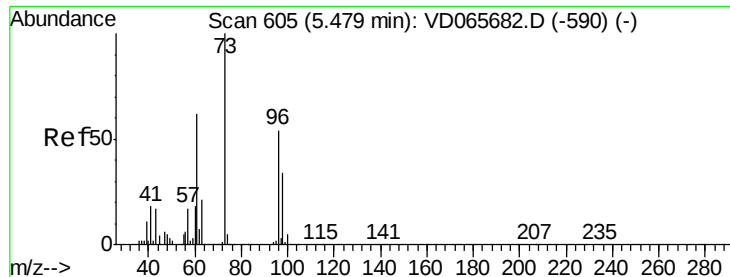
74 33.1 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



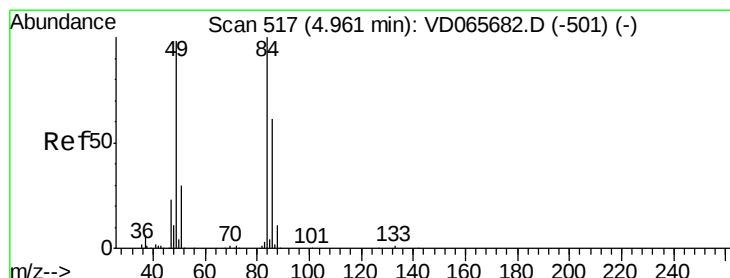
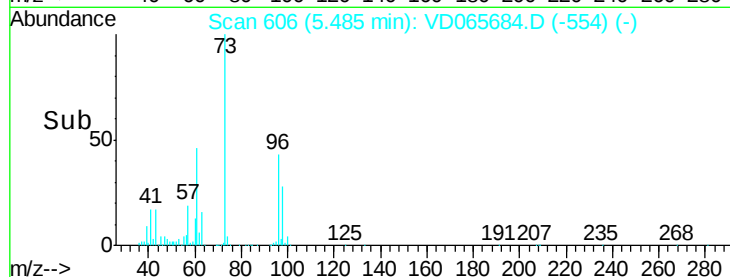
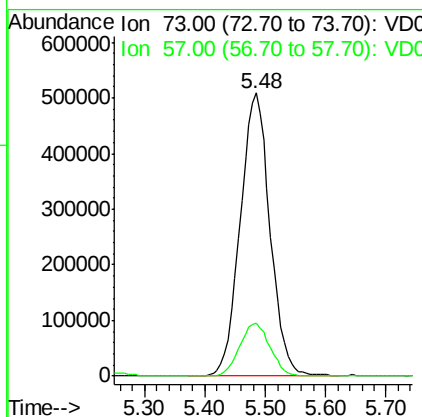
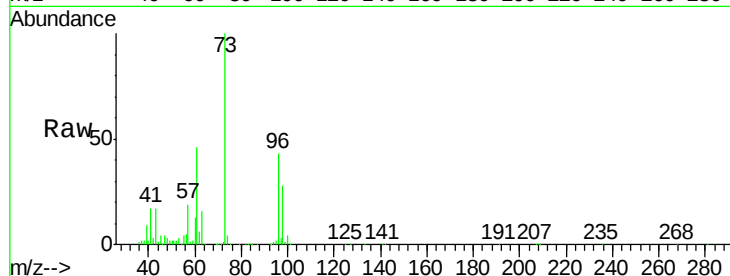


#19

Methyl tert-butyl Ether
 Concen: 151.654 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

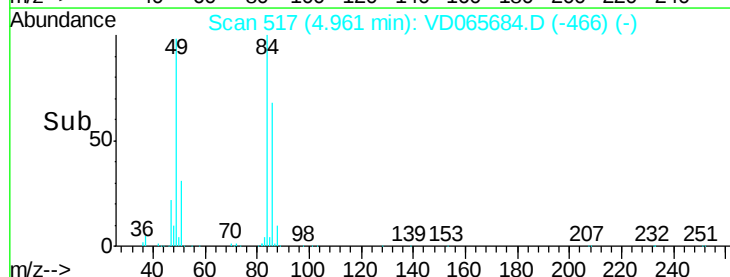
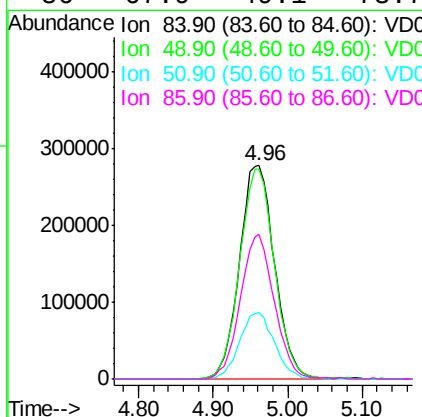
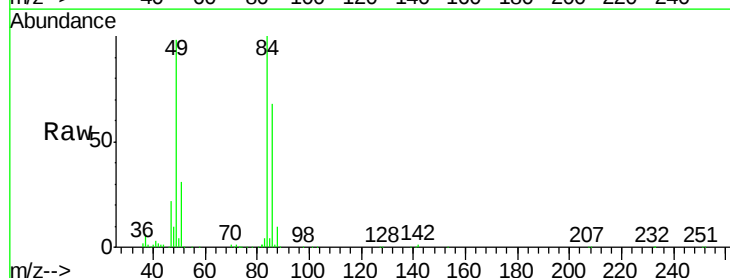
Tot Ion: 73 Resp: 1738105
 Ion Ratio Lower Upper
 73 100
 57 18.6 13.7 20.5

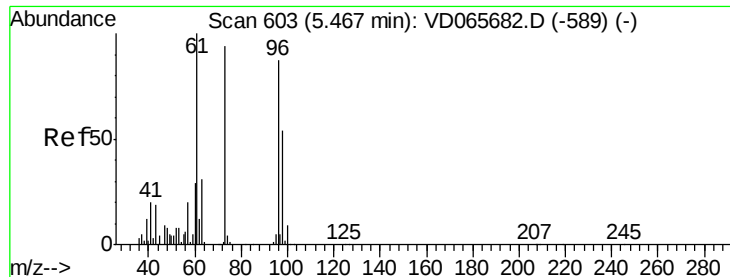


#20

Methylene Chloride
 Concen: 107.487 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Tgt Ion: 84 Resp: 912310
 Ion Ratio Lower Upper
 84 100
 49 98.3 78.6 118.0
 51 30.9 24.1 36.1
 86 67.9 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 141.644 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

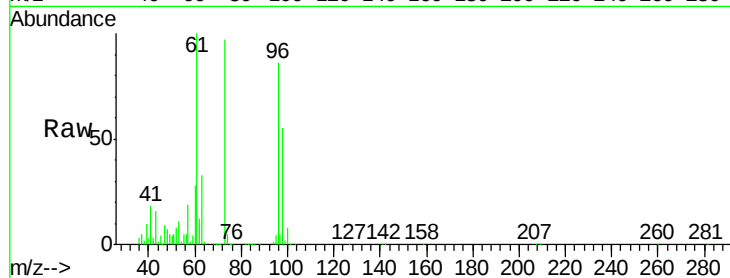
Tot Ion: 96 Resp: 1070206

Ion Ratio Lower Upper

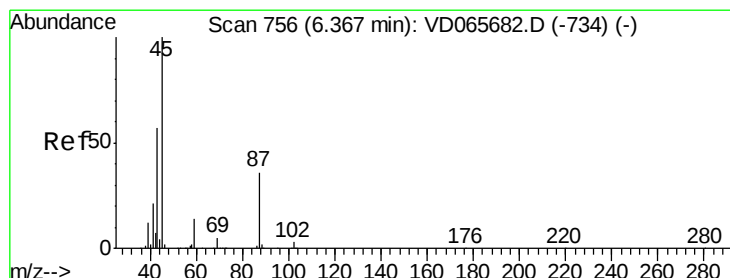
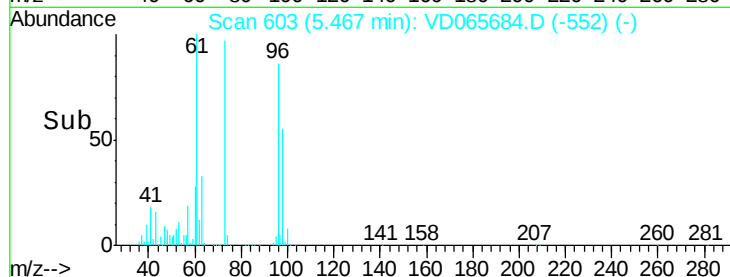
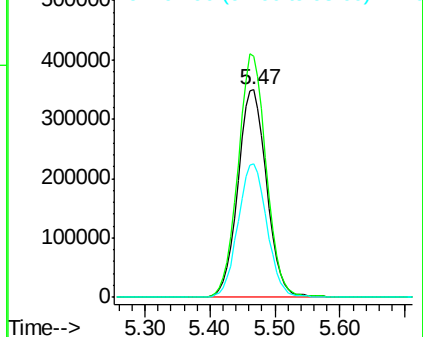
96 100

61 115.9 91.7 137.5

98 64.3 49.2 73.8



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



#22

Diisopropyl ether

Concen: 151.550 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Tgt Ion: 45 Resp: 2026294

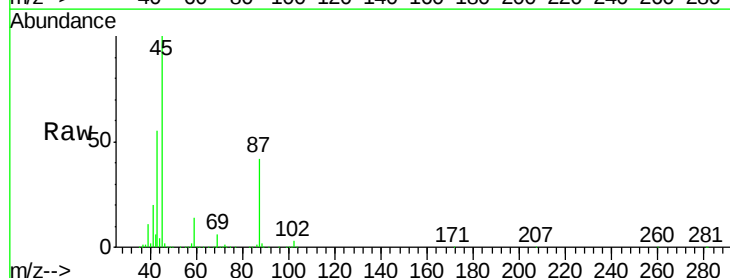
Ion Ratio Lower Upper

45 100

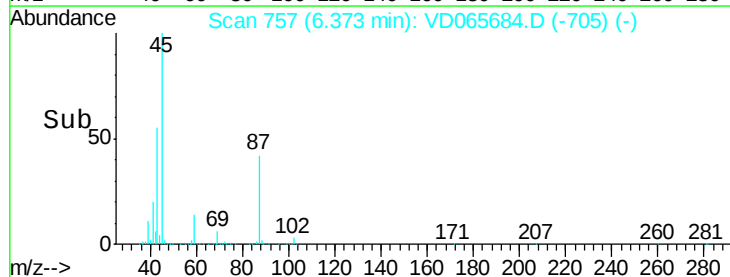
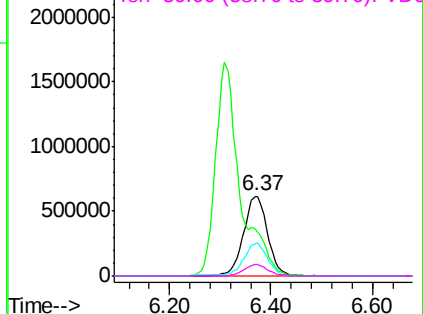
43 54.7 45.6 68.4

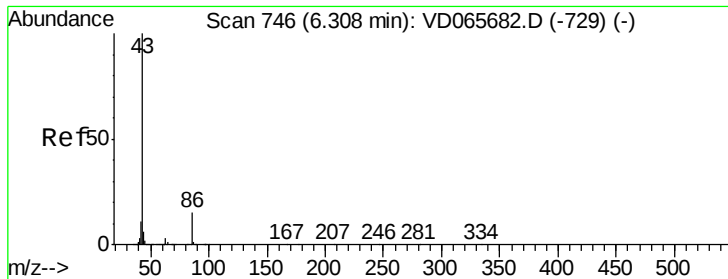
87 41.5 29.3 43.9

59 14.3 11.3 16.9



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





#23

Vinyl Acetate

Concen: 910.601 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

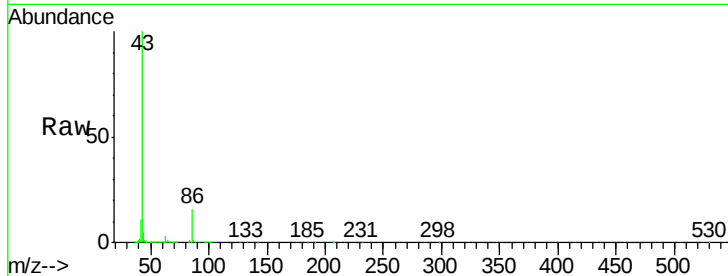
VSTDIC150

Tot Ion: 43 Resp: 5546476

Ion Ratio Lower Upper

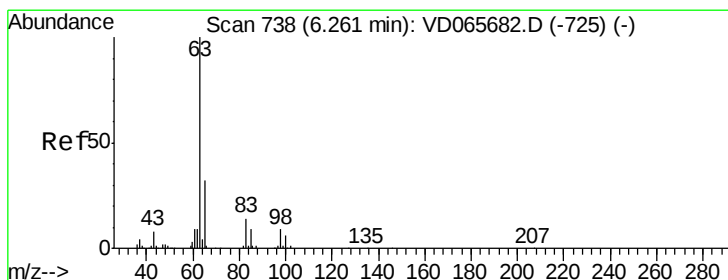
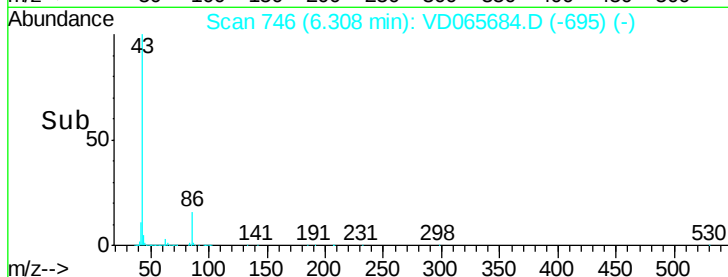
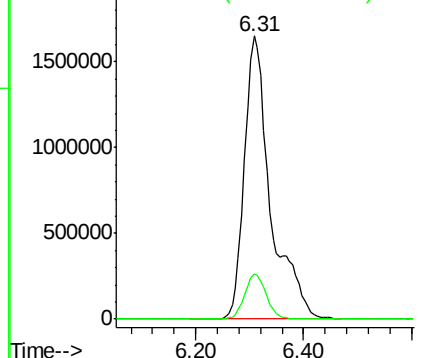
43 100

86 16.1 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 127.610 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

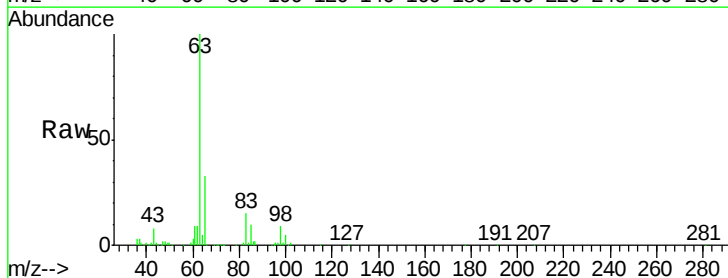
Tgt Ion: 63 Resp: 1514508

Ion Ratio Lower Upper

63 100

98 9.0 4.3 13.1

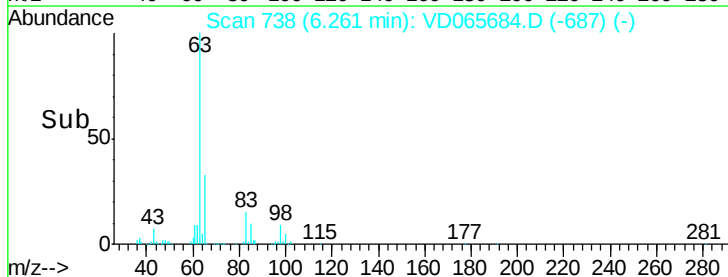
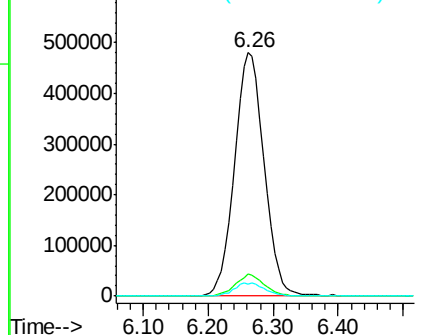
100 5.1 2.9 8.6

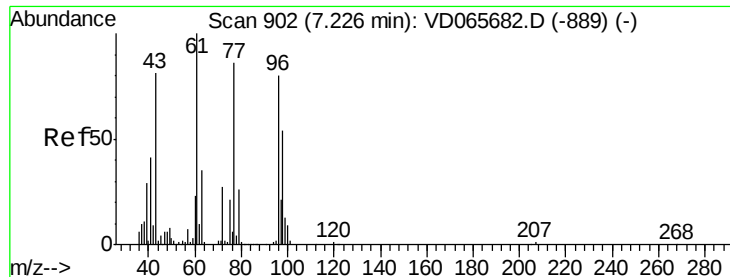


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 625.586 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

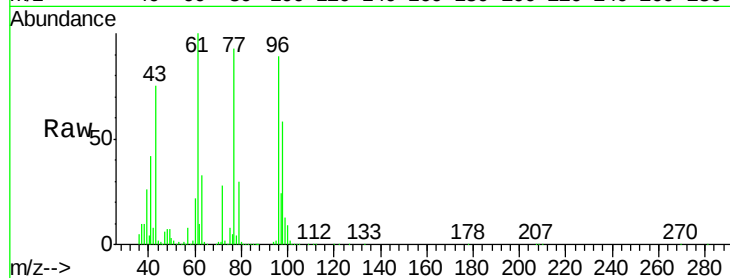
VSTDIC150

Tot Ion: 43 Resp: 739347

Ion Ratio Lower Upper

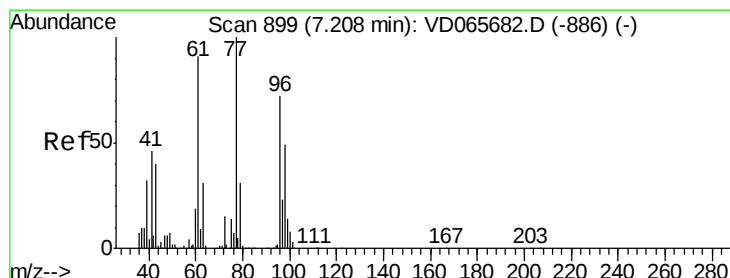
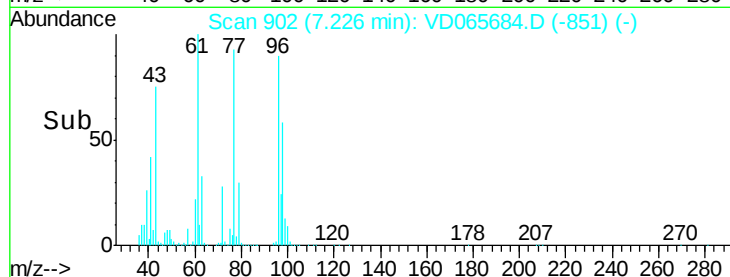
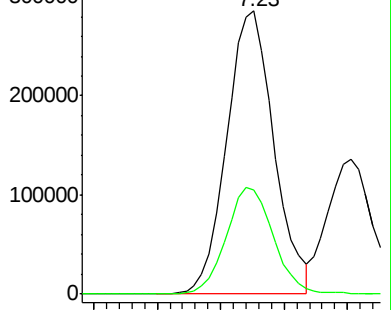
43 100

72 36.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 132.734 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065684.D

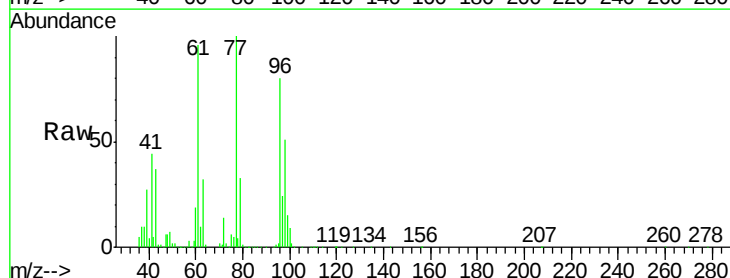
Acq: 29 Apr 2020 15:55

Tgt Ion: 77 Resp: 1532233

Ion Ratio Lower Upper

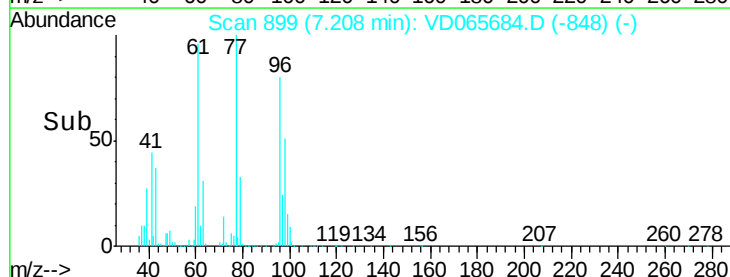
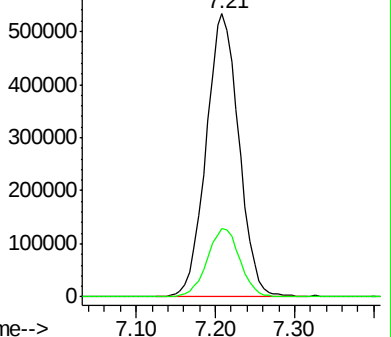
77 100

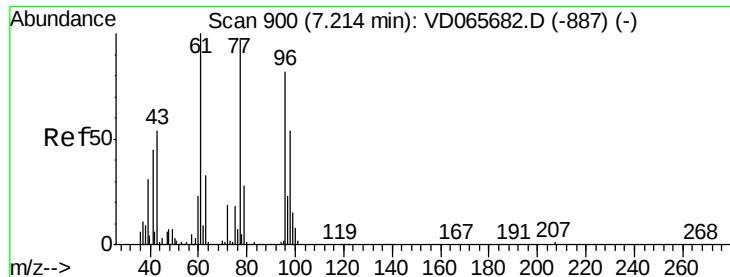
97 24.1 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



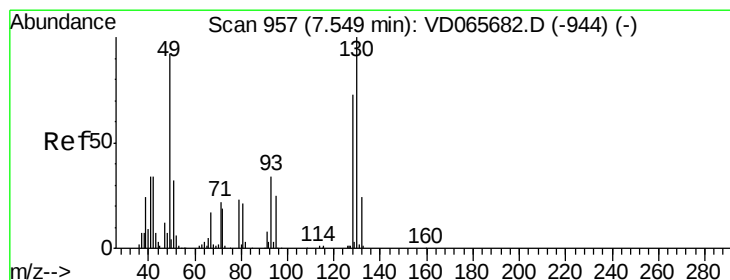
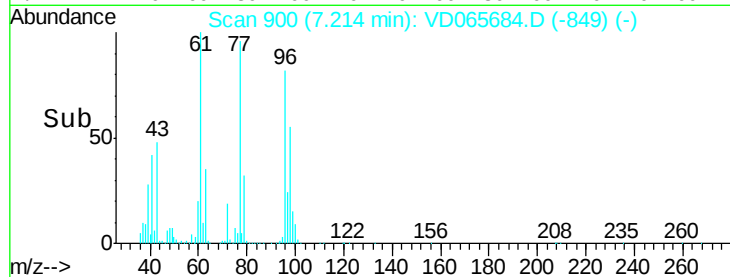
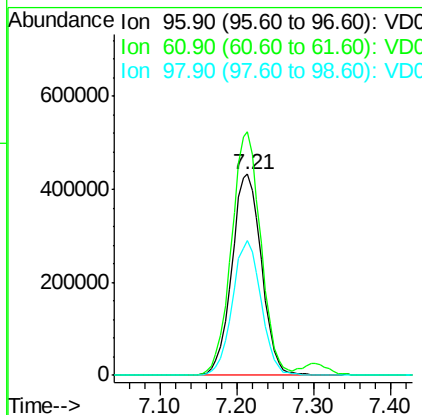
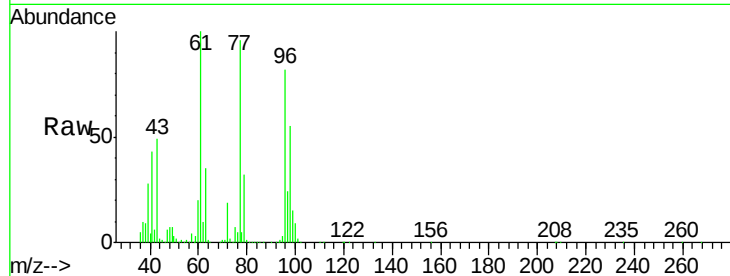


#27

cis-1,2-Dichloroethene
 Concen: 149.683 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

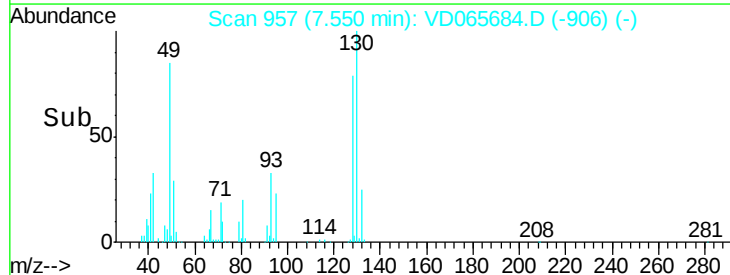
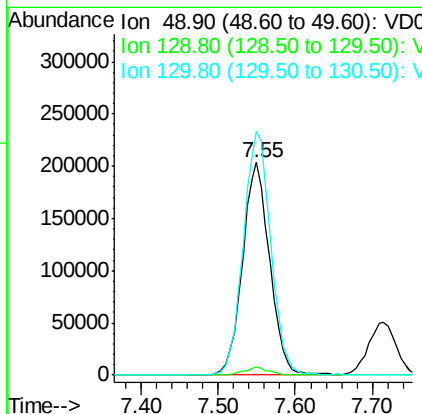
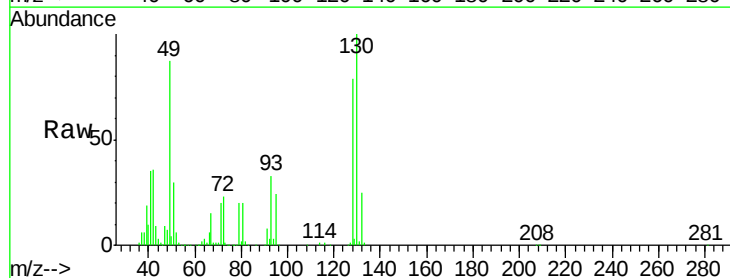
Tot Ion: 96 Resp: 1169726
 Ion Ratio Lower Upper
 96 100
 61 119.6 0.0 250.8
 98 65.2 0.0 129.8

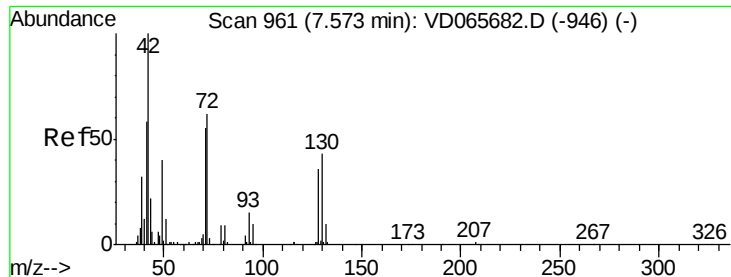


#28

Bromochloromethane
 Concen: 113.975 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Tgt Ion: 49 Resp: 502257
 Ion Ratio Lower Upper
 49 100
 129 3.3 0.0 6.8
 130 116.0 86.4 129.6

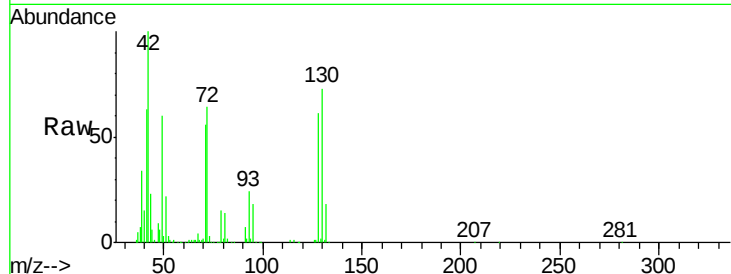




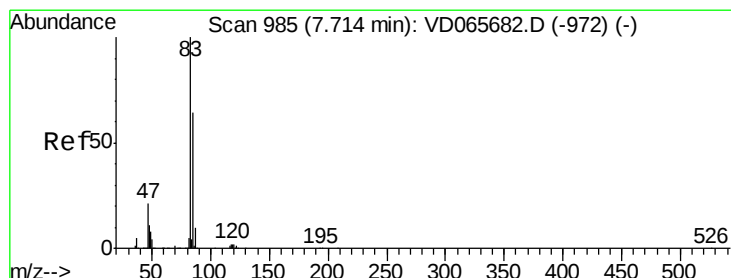
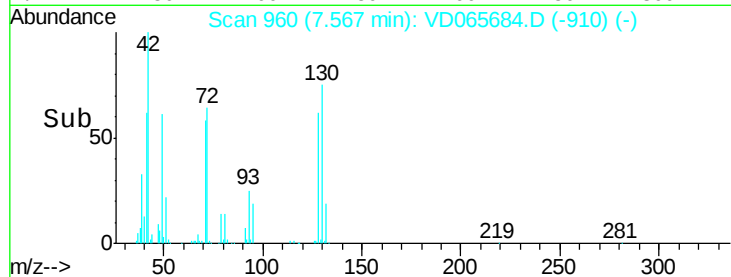
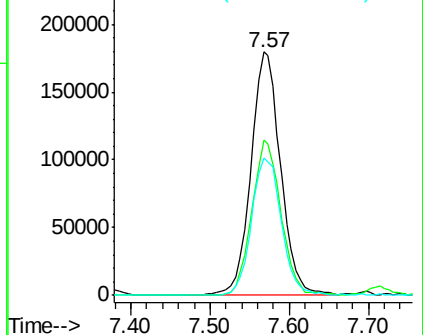
#29
Tetrahydrofuran
Concen: 679.879 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 465042
Ion Ratio Lower Upper
42 100
72 63.1 47.9 71.9
71 57.2 45.4 68.0

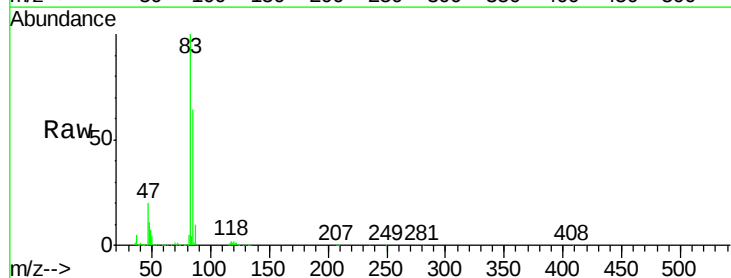


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

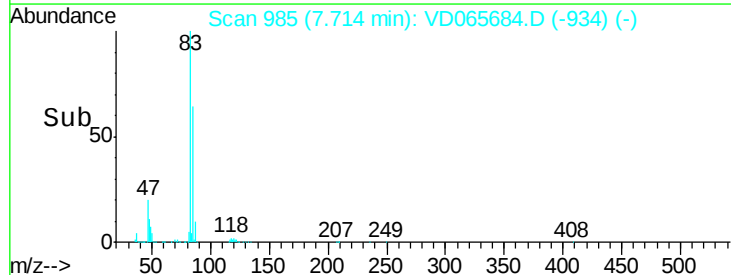
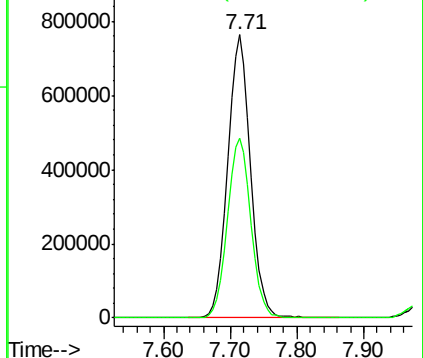


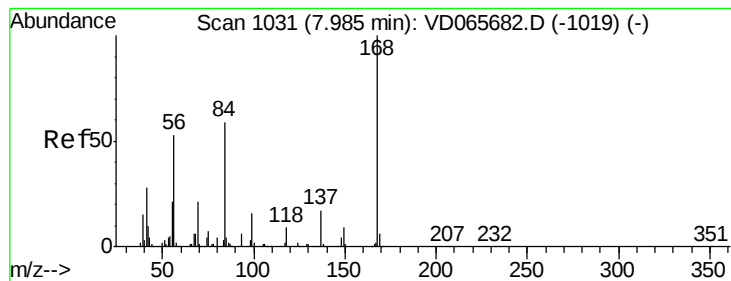
#30
Chloroform
Concen: 128.097 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion: 83 Resp: 1839199
Ion Ratio Lower Upper
83 100
85 63.7 51.0 76.6



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





#31

Cyclohexane

Concen: 132.876 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

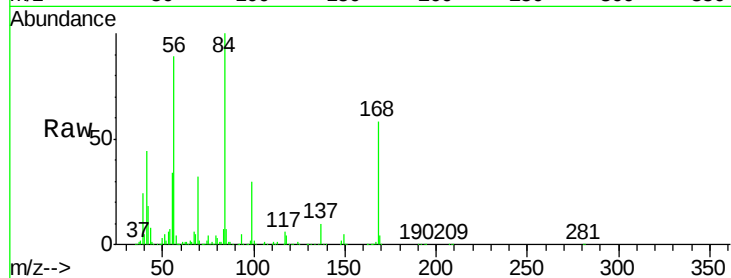
Tot Ion: 56 Resp: 1335568

Ion Ratio Lower Upper

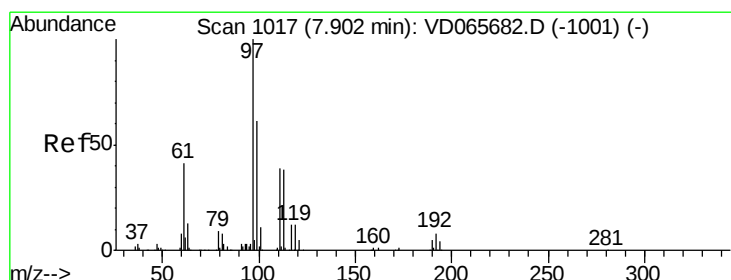
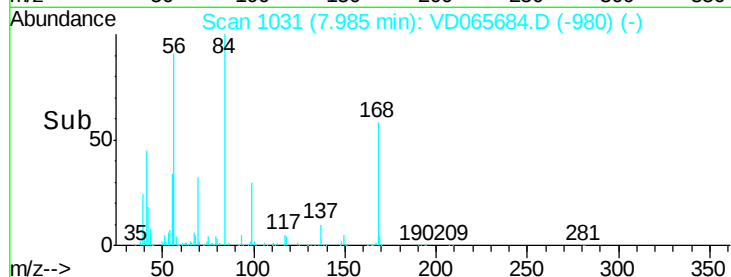
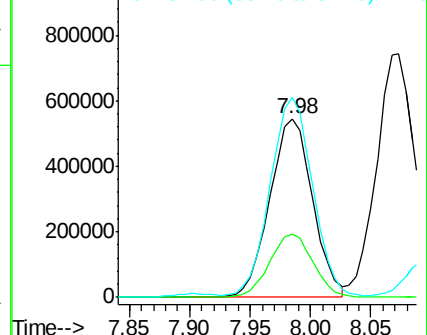
56 100

69 35.5 31.1 46.7

84 109.4 88.9 133.3



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



#32

1,1,1-Trichloroethane

Concen: 134.360 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

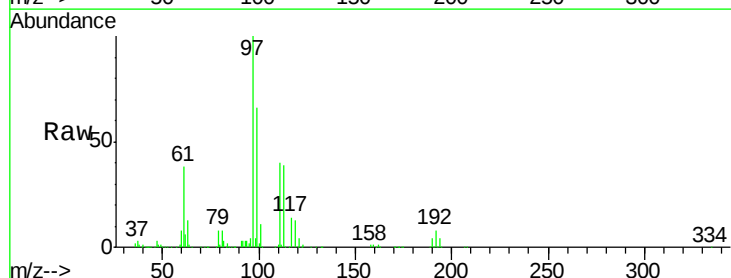
Tgt Ion: 97 Resp: 1783068

Ion Ratio Lower Upper

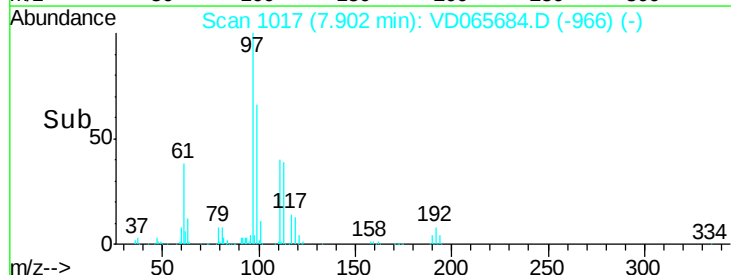
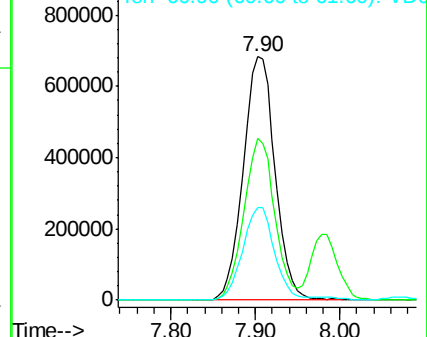
97 100

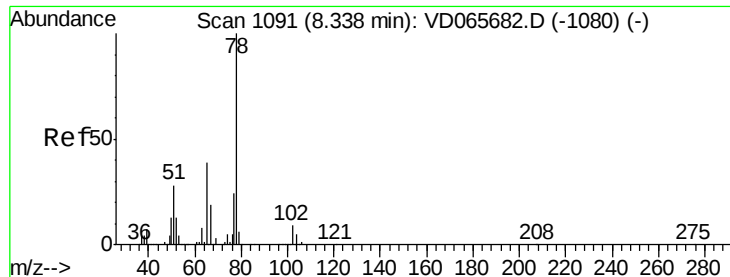
99 64.5 50.7 76.1

61 38.2 32.4 48.6



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

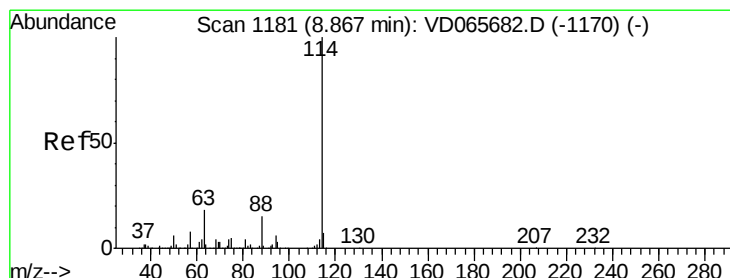
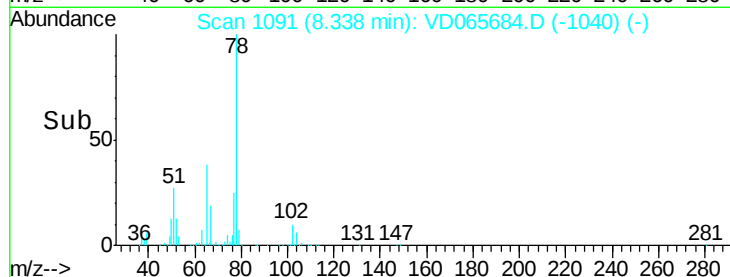
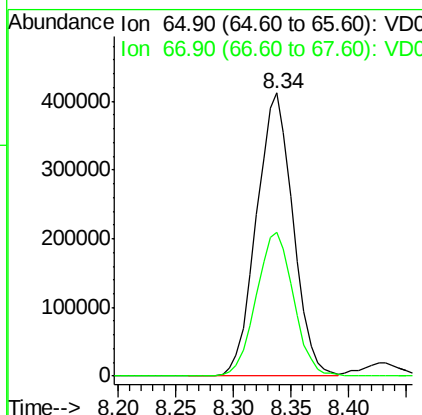
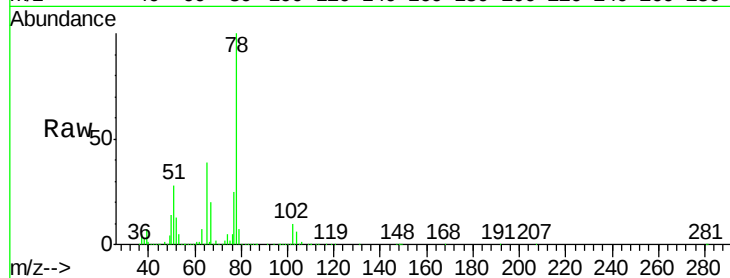




#33
 1,2-Dichloroethane-d4
 Concen: 127.030 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

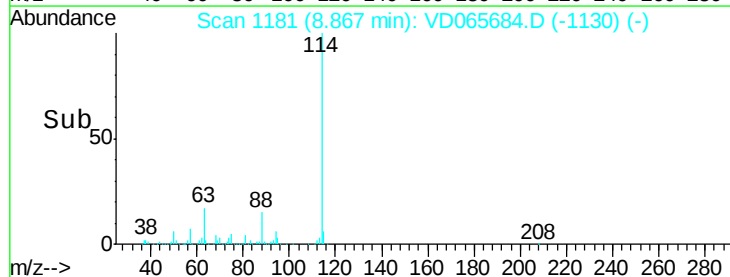
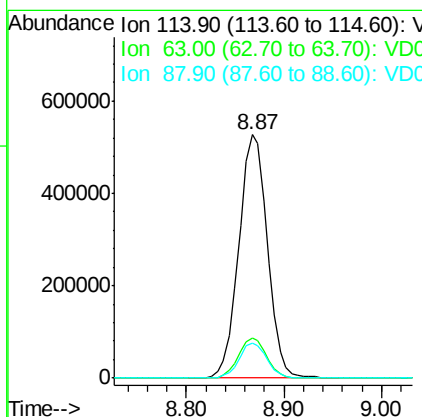
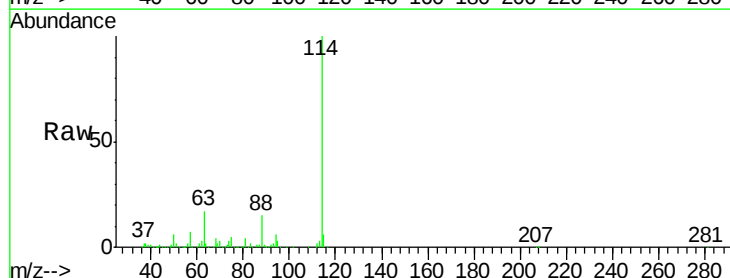
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

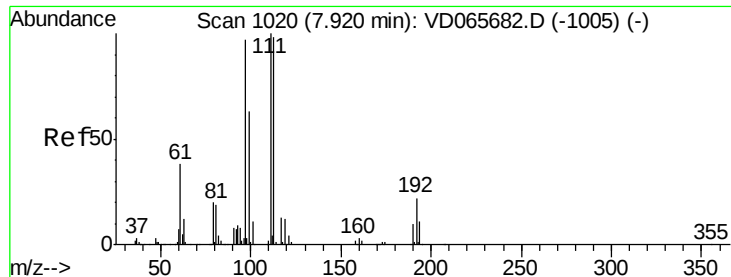
Tot Ion: 65 Resp: 910400
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Tgt Ion: 114 Resp: 1080373
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 36.8
 88 14.6 0.0 29.6

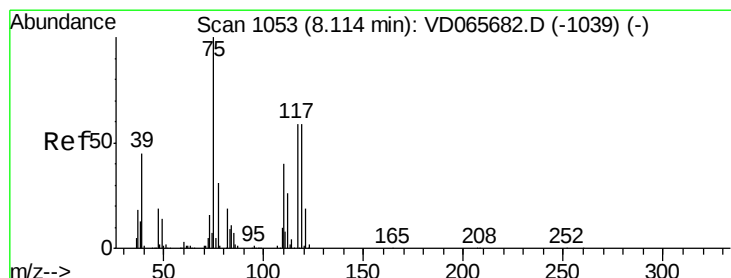
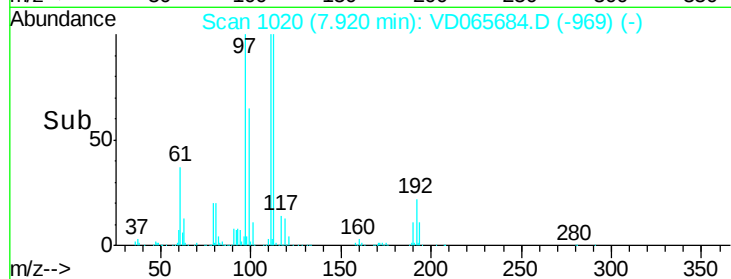
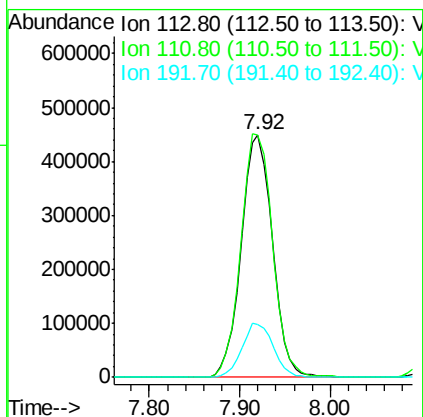
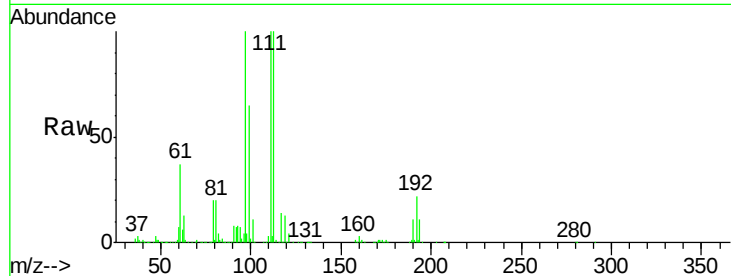




#35
 Dibromofluoromethane
 Concen: 145.655 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

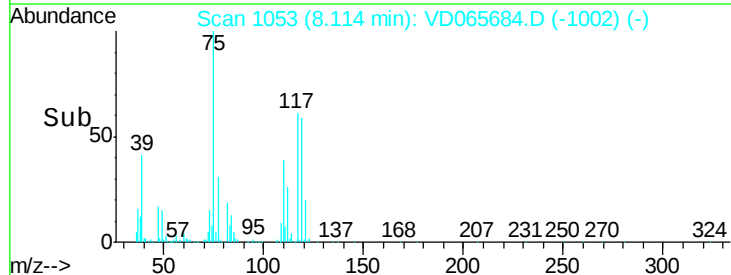
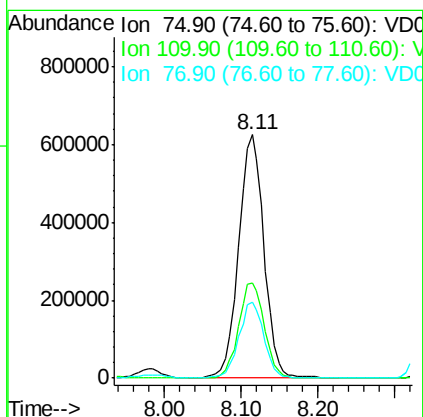
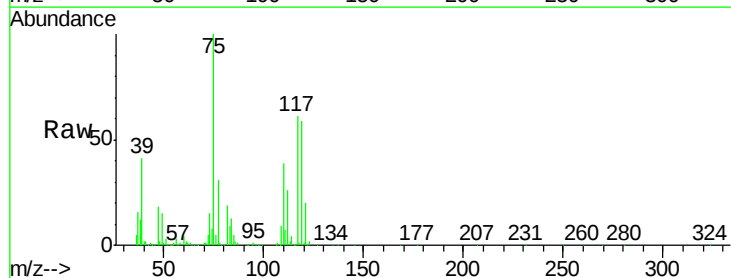
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

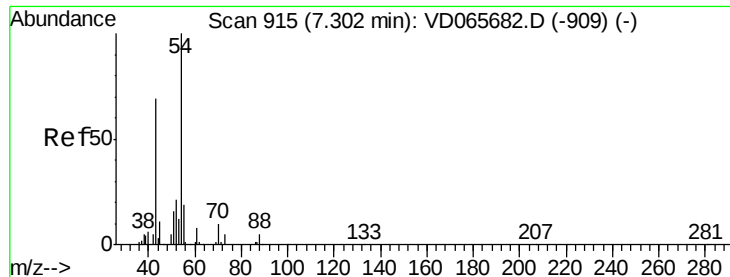
Tot Ion:113 Resp: 1076703
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.3 124.9
 192 22.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 150.230 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Tgt Ion: 75 Resp: 1433772
 Ion Ratio Lower Upper
 75 100
 110 39.9 20.0 60.0
 77 30.9 25.4 38.2

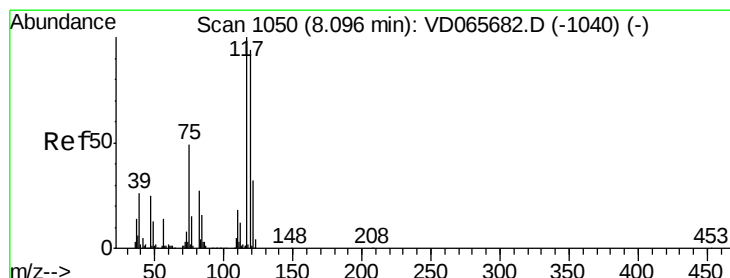
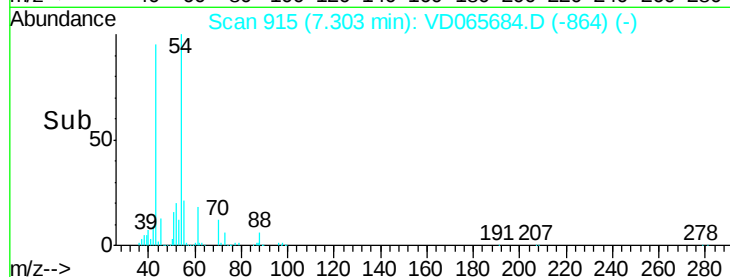
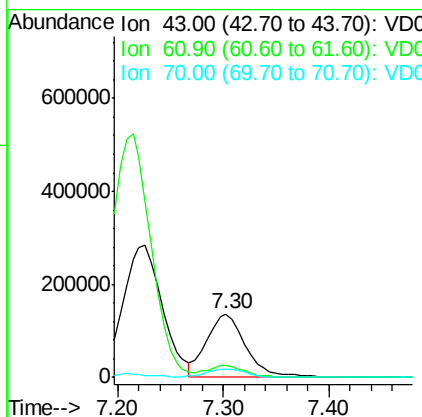
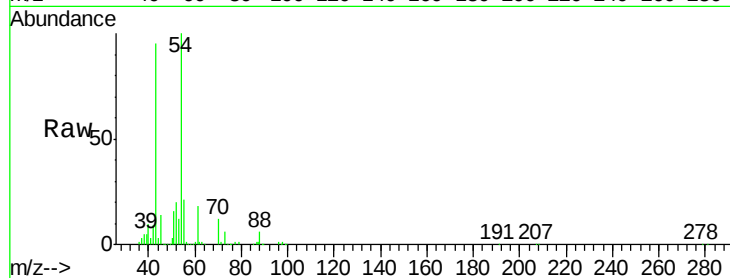




#37
Ethyl Acetate
Concen: 134.035 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

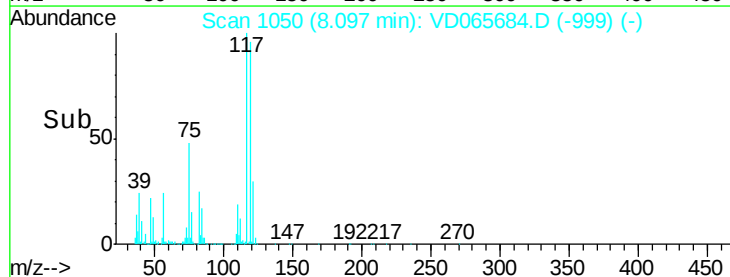
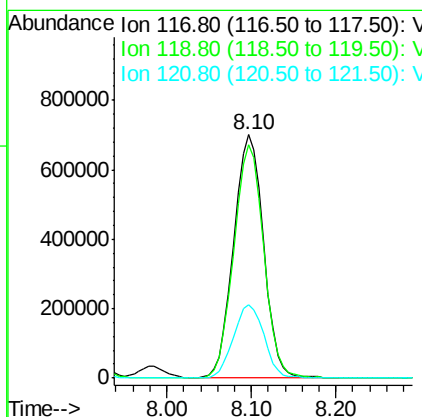
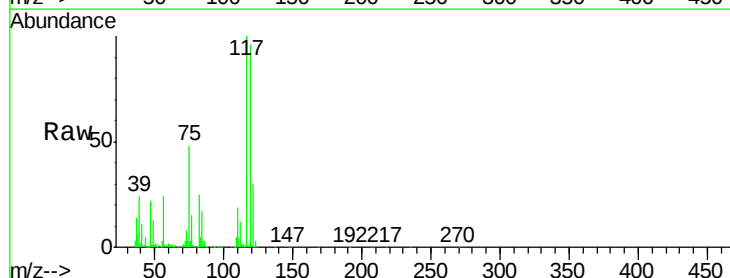
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

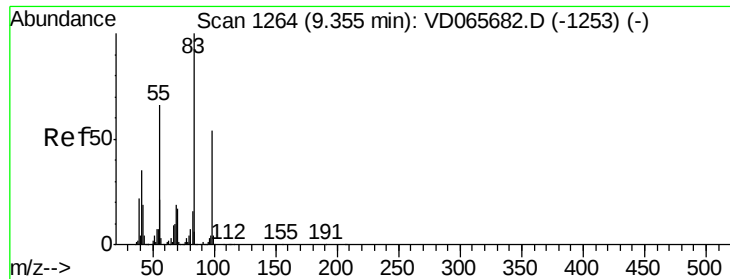
Tot Ion: 43 Resp: 344353
Ion Ratio Lower Upper
43 100
61 18.6 13.0 19.4
70 13.5 9.8 14.6



#38
Carbon Tetrachloride
Concen: 141.609 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion: 117 Resp: 1707463
Ion Ratio Lower Upper
117 100
119 96.0 75.4 113.2
121 30.2 25.3 37.9



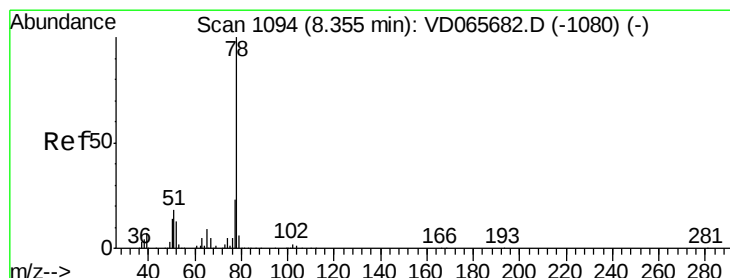
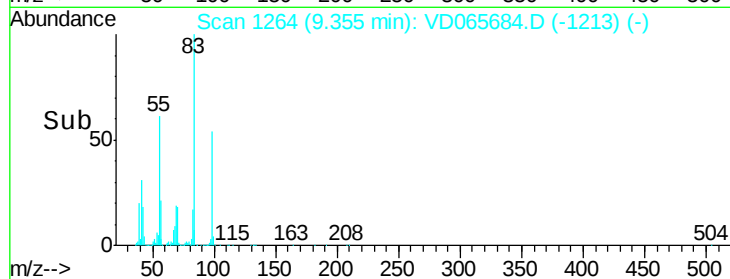
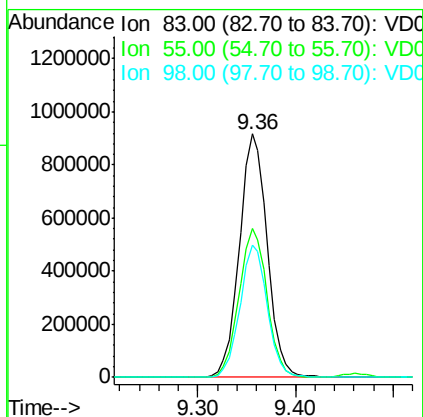
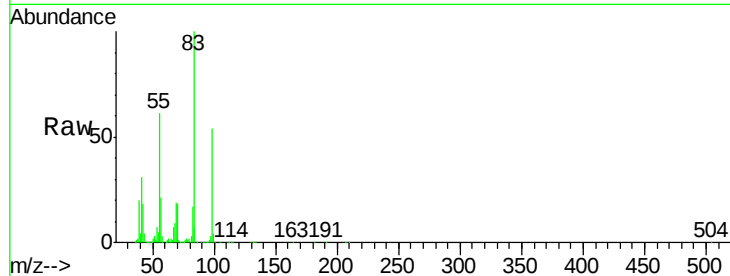


#39
Methvlcvclohexane
Concen: 180.089 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1821722

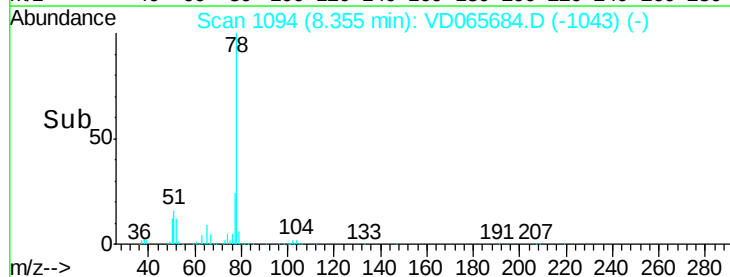
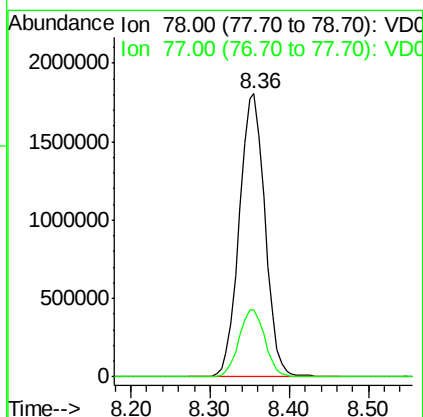
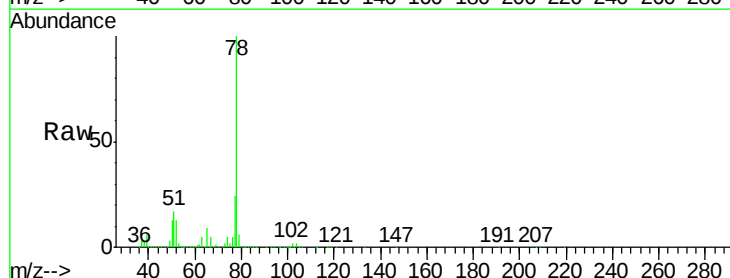
Ion	Ratio	Lower	Upper
83	100		
55	61.1	52.6	79.0
98	54.2	43.0	64.4

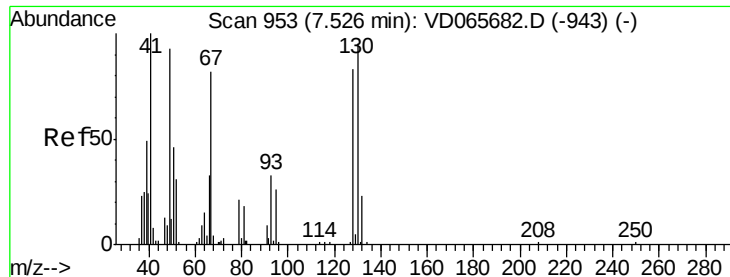


#40
Benzene
Concen: 150.871 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion: 78 Resp: 4070955

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0

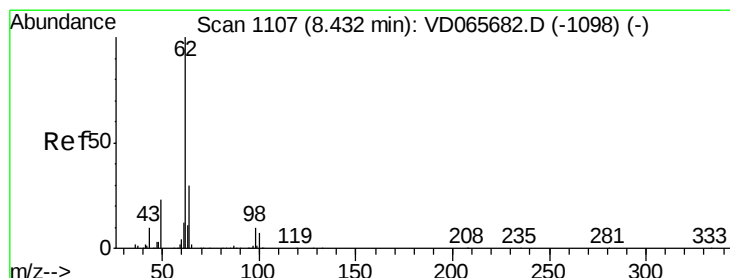
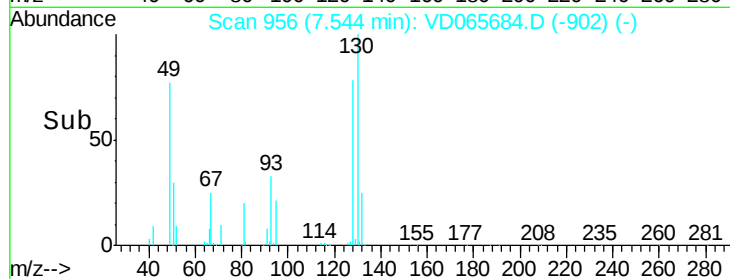
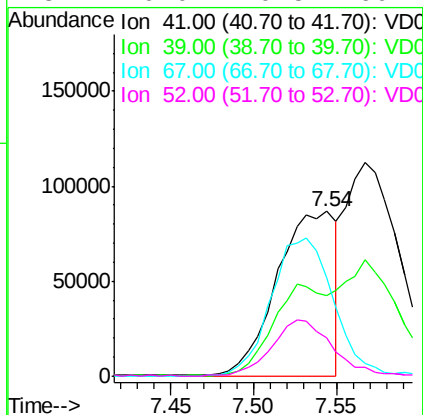
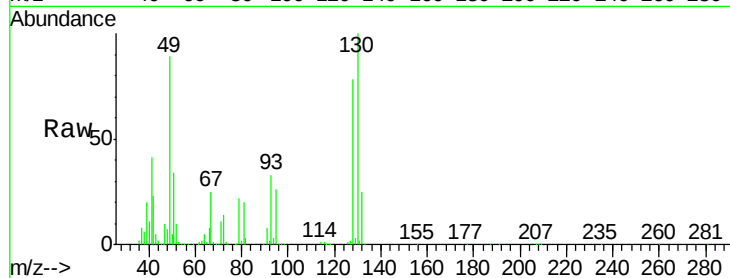




#41
Methacrylonitrile
Concen: 136.616 ug/l m
RT: 7.54 min Scan# 956
Delta R.T. 0.02 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

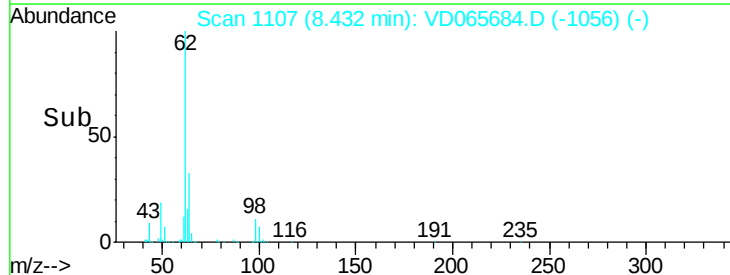
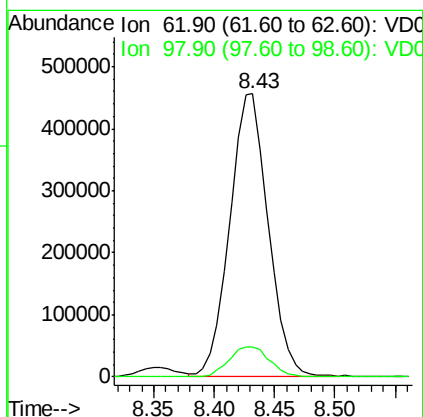
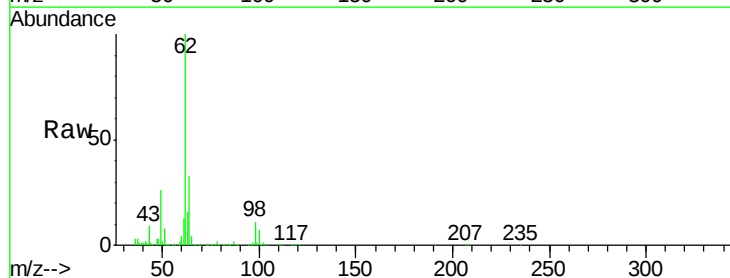
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

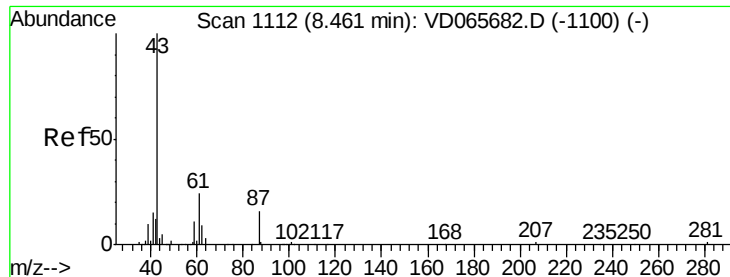
Tot Ion: 41 Resp: 218024
Ion Ratio Lower Upper
41 100
39 60.4 0.0 0.0#
67 0.0 93.6 140.4#
52 0.0 40.5 60.7#



#42
1,2-Dichloroethane
Concen: 129.112 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion: 62 Resp: 1006962
Ion Ratio Lower Upper
62 100
98 11.5 0.0 21.2





#43

Isopropyl Acetate

Concen: 140.646 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

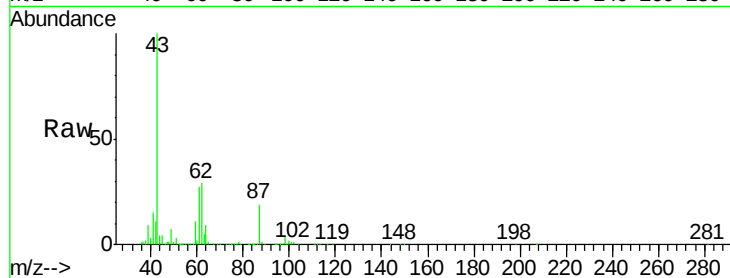
Tot Ion: 43 Resp: 678925

Ion Ratio Lower Upper

43 100

61 40.2 30.2 45.2

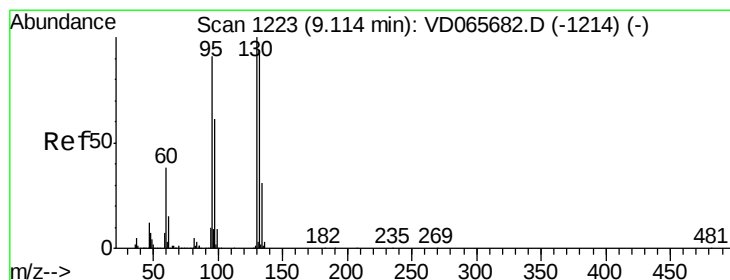
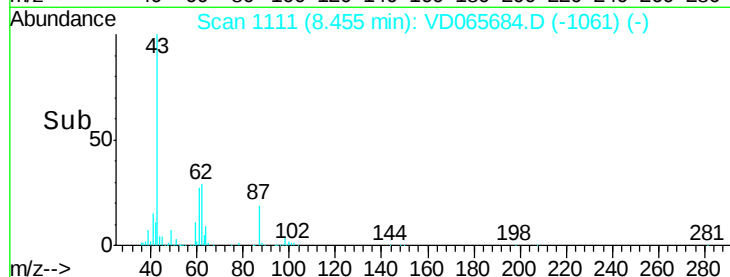
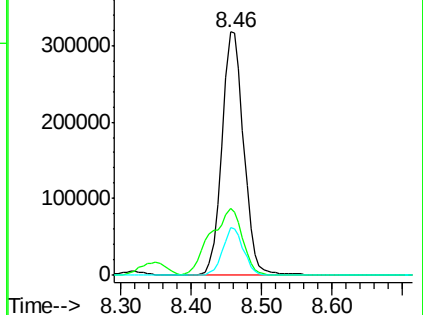
87 18.7 13.7 20.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 148.351 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065684.D

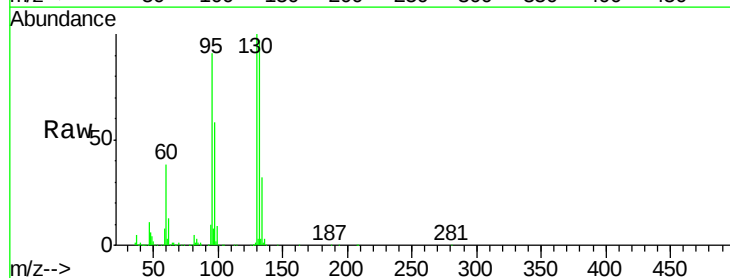
Acq: 29 Apr 2020 15:55

Tgt Ion: 130 Resp: 1236779

Ion Ratio Lower Upper

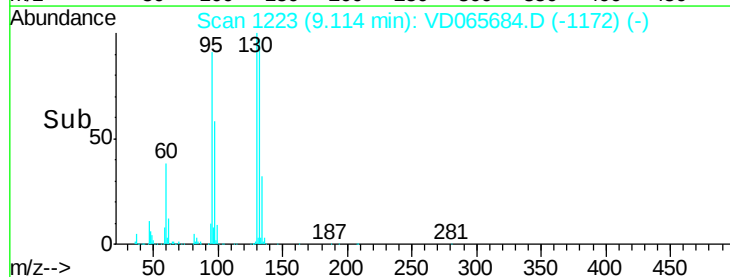
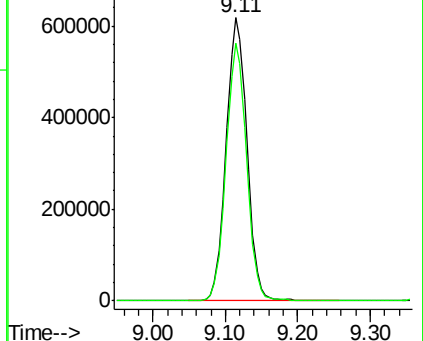
130 100

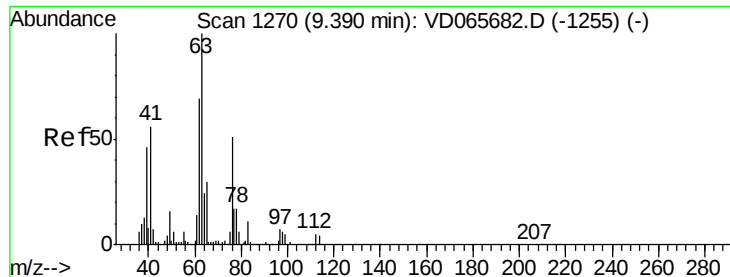
95 91.3 0.0 183.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

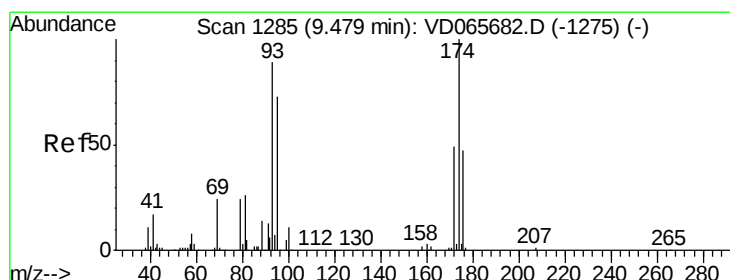
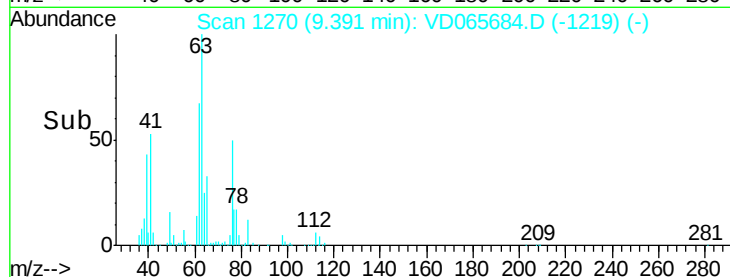
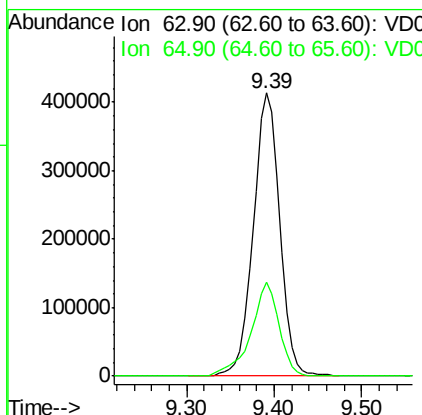
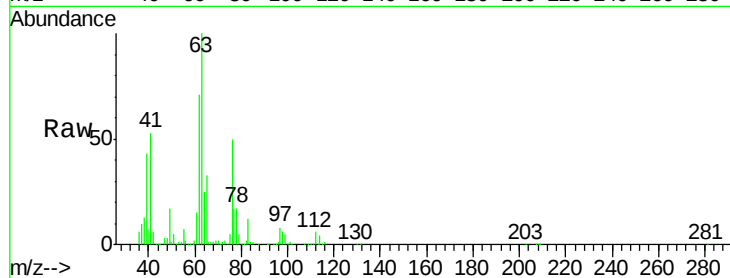




#45
 1,2-Dichloropropane
 Concen: 139.738 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

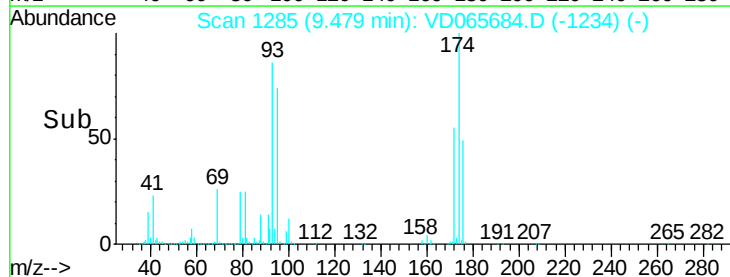
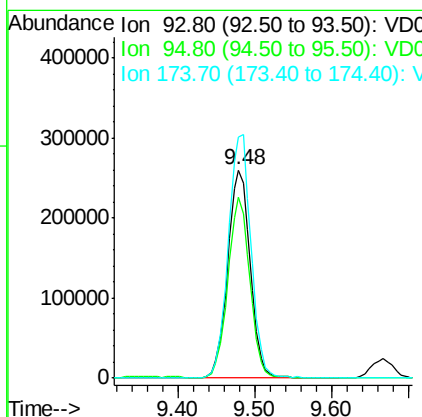
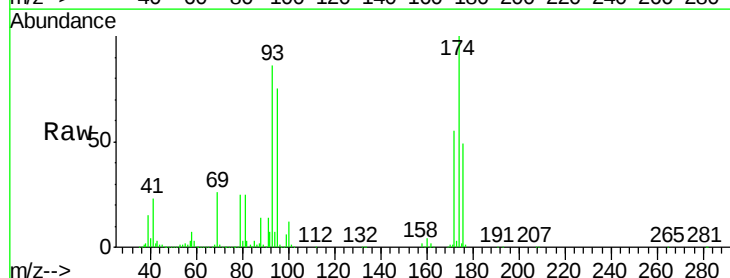
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

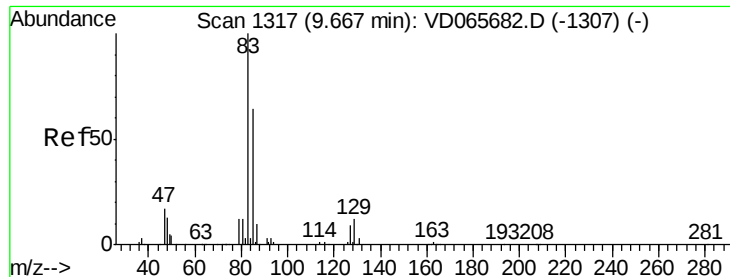
Tot Ion: 63 Resp: 852385
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.7 35.5



#46
 Dibromomethane
 Concen: 134.898 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Tgt Ion: 93 Resp: 532794
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.7 98.5
 174 118.0 87.3 130.9





#47

Bromodichloromethane

Concen: 136.624 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

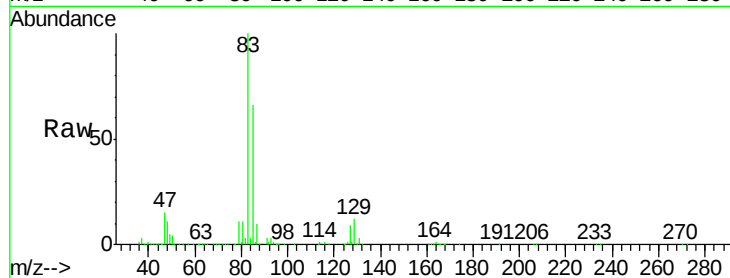
Tot Ion: 83 Resp: 1426475

Ion Ratio Lower Upper

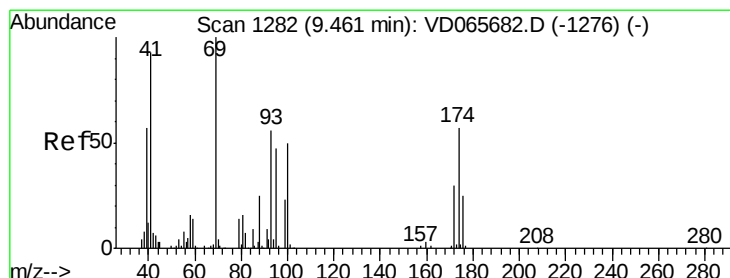
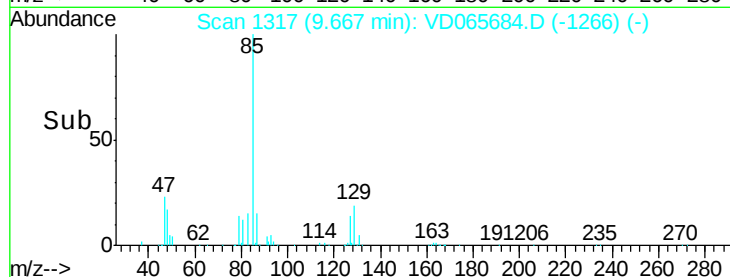
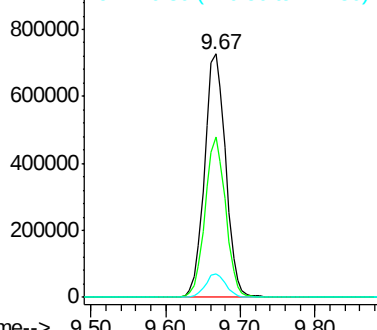
83 100

85 65.8 51.1 76.7

127 9.4 7.3 10.9



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



#48

Methyl methacrylate

Concen: 149.682 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

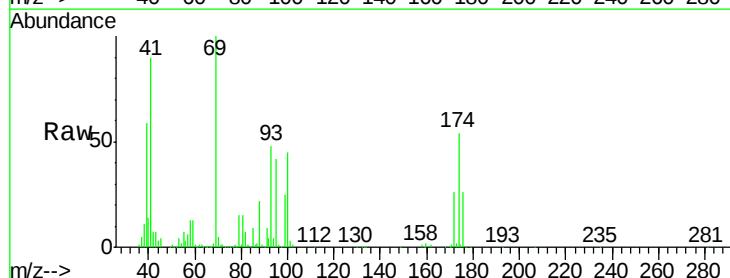
Tgt Ion: 41 Resp: 316366

Ion Ratio Lower Upper

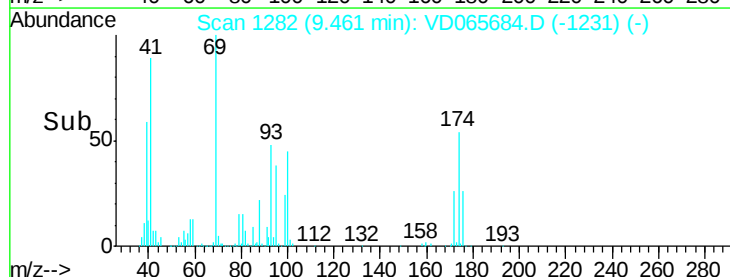
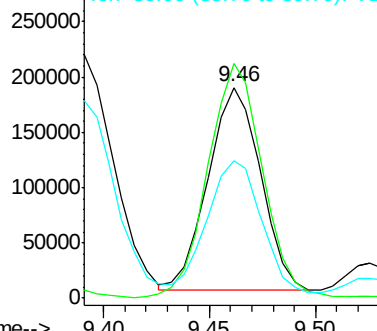
41 100

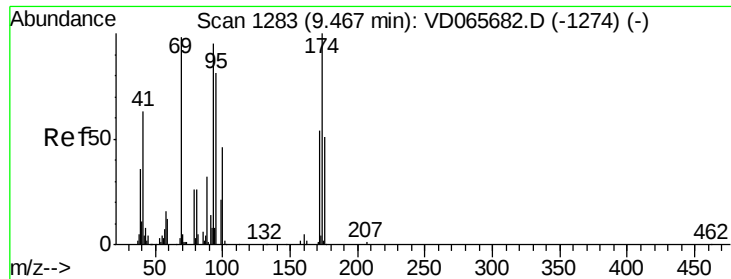
69 120.8 92.3 138.5

39 66.8 53.4 80.0



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

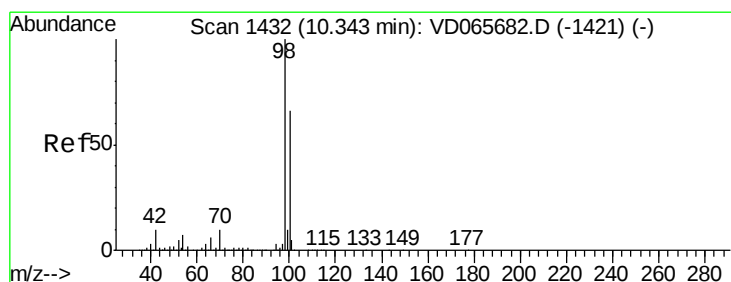
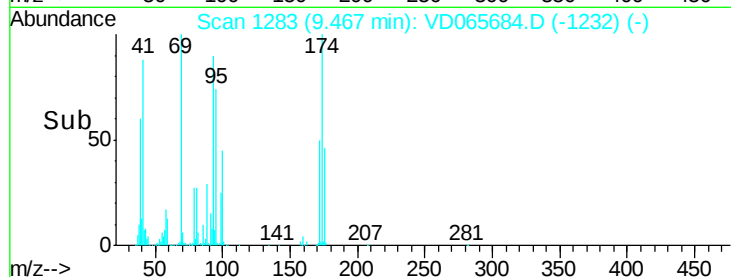
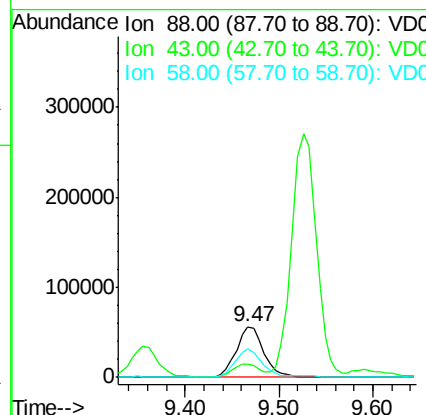
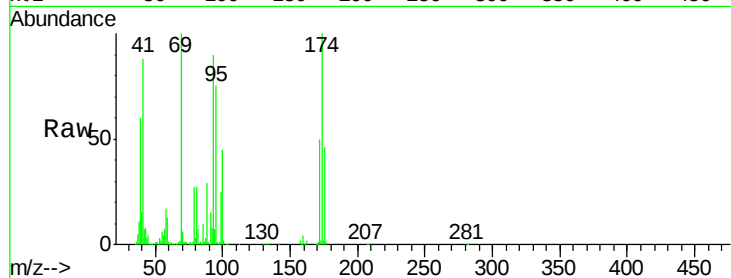




#49
1,4-Dioxane
Concen: 2952.946 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

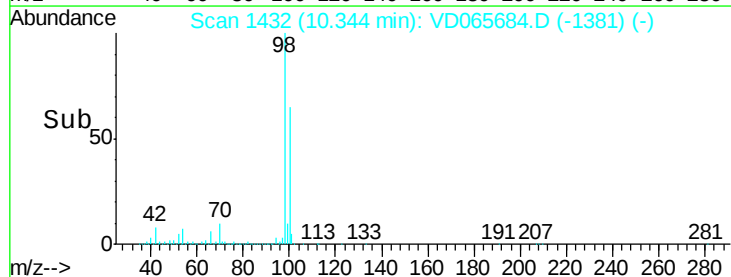
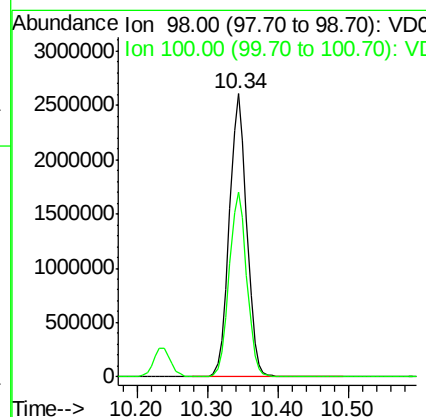
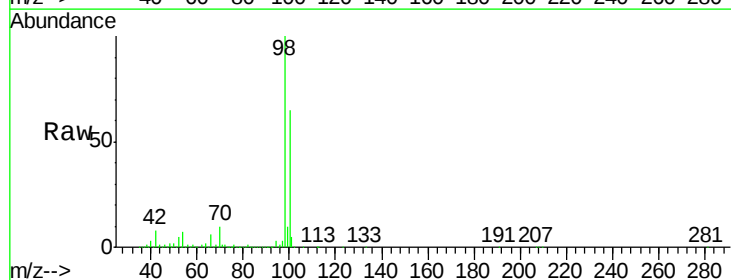
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

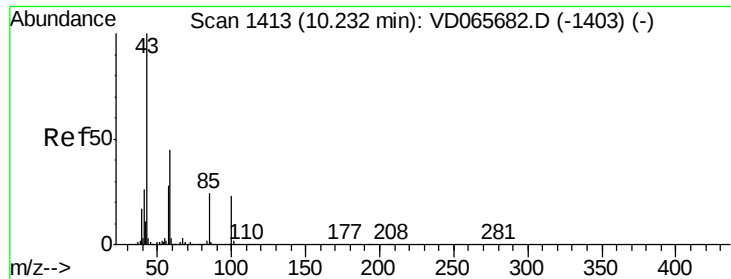
Tot Ion: 88 Resp: 113994
Ion Ratio Lower Upper
88 100
43 26.8 22.2 33.4
58 56.1 45.3 67.9



#50
Toluene-d8
Concen: 176.395 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion: 98 Resp: 4472693
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 735.447 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

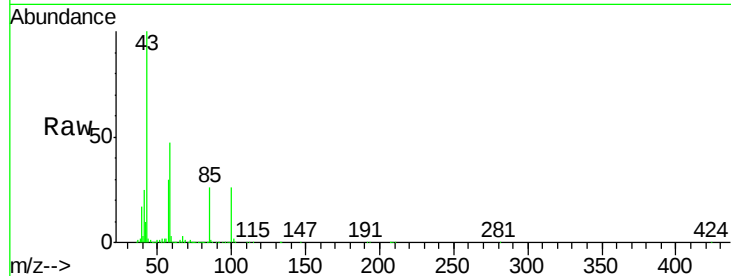
VSTDIC150

Tot Ion: 43 Resp: 1799232

Ion Ratio Lower Upper

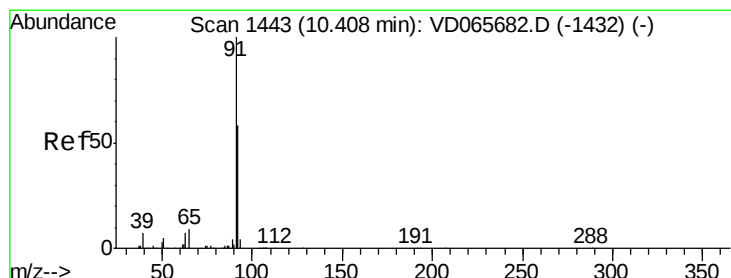
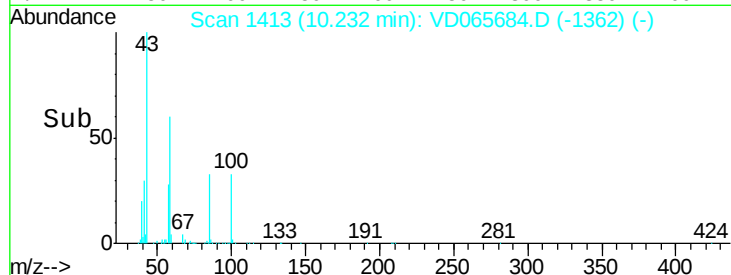
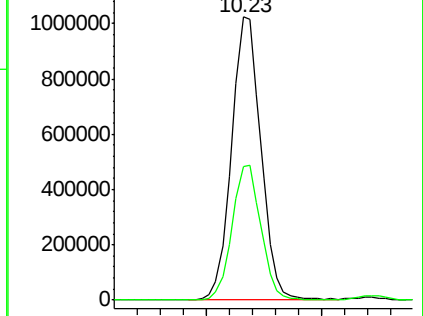
43 100

58 46.9 36.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 168.989 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065684.D

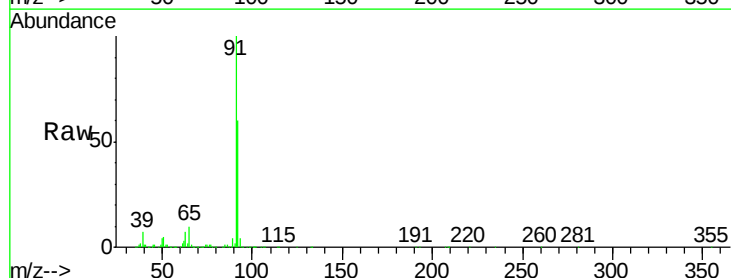
Acq: 29 Apr 2020 15:55

Tgt Ion: 92 Resp: 2984678

Ion Ratio Lower Upper

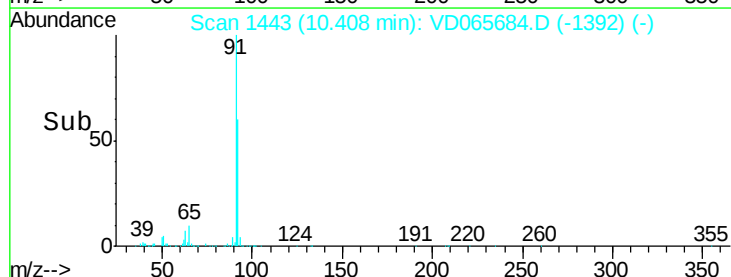
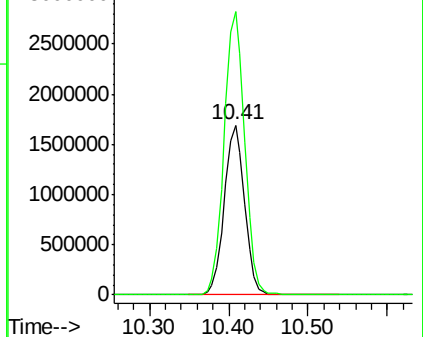
92 100

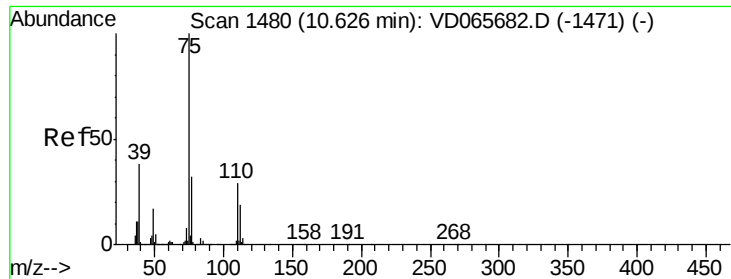
91 169.5 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 159.210 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

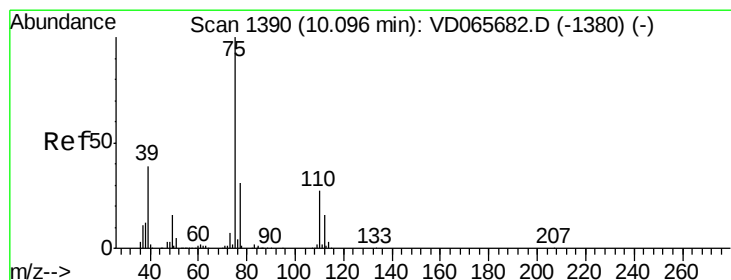
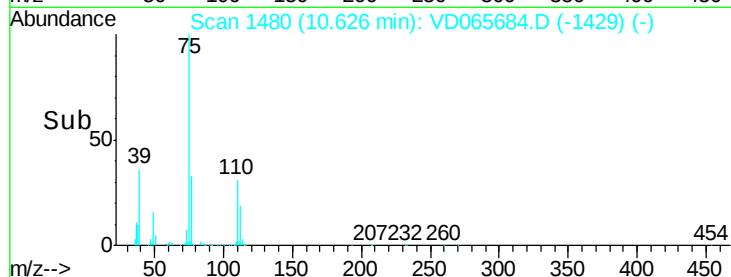
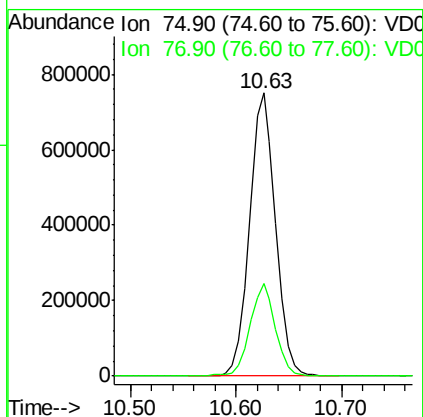
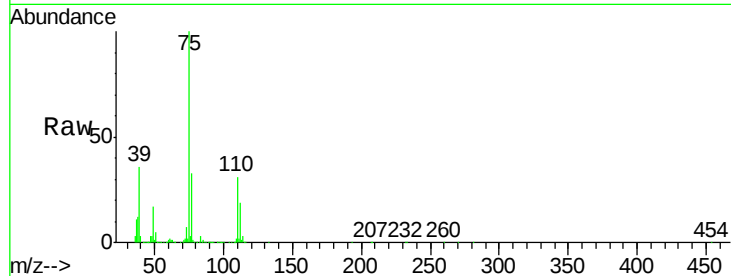
VSTDIC150

Tot Ion: 75 Resp: 1286606

Ion Ratio Lower Upper

75 100

77 32.7 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 159.127 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

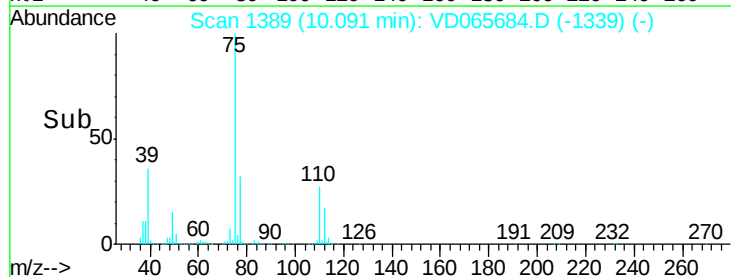
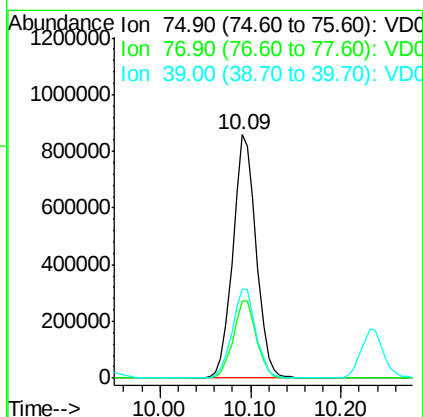
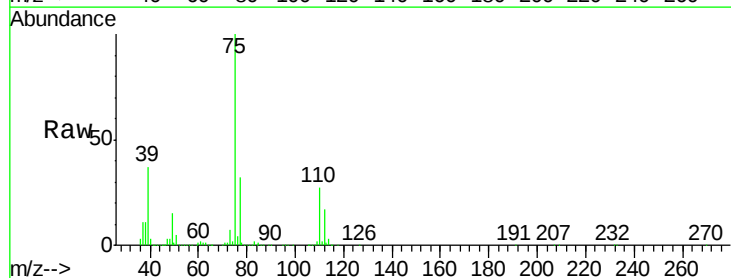
Tgt Ion: 75 Resp: 1537475

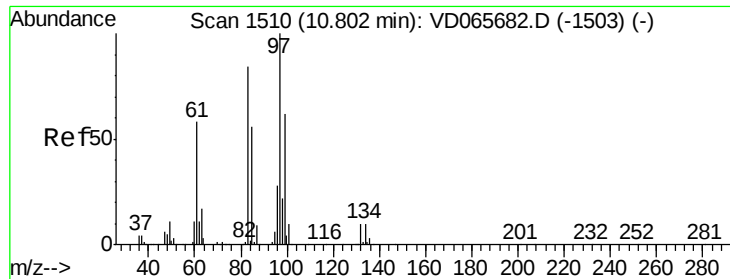
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 36.5 31.2 46.8

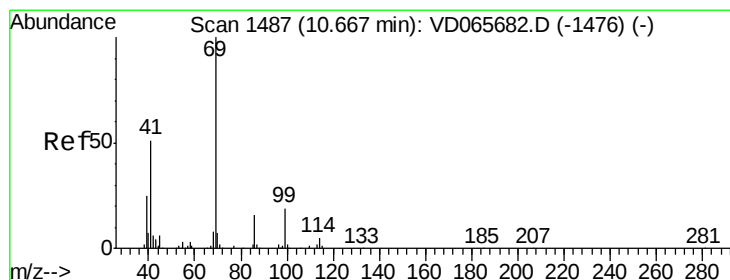
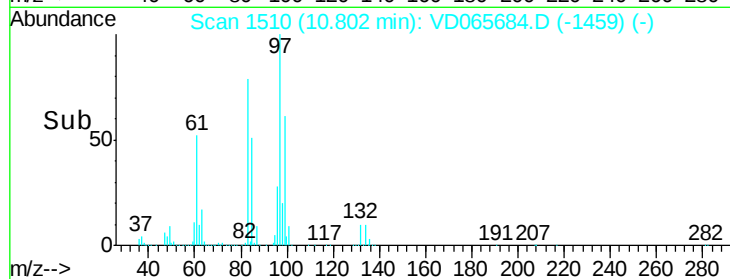
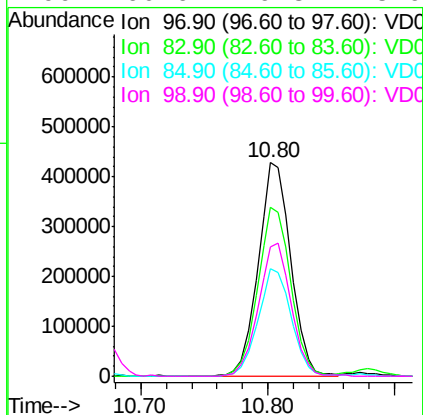
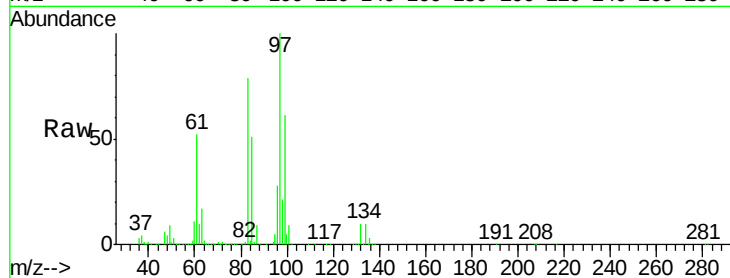




#55
 1,1,2-Trichloroethane
 Concen: 138.806 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

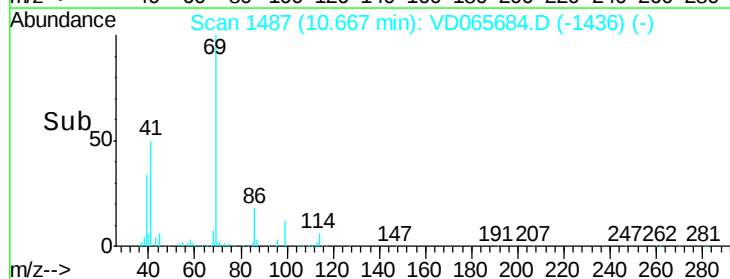
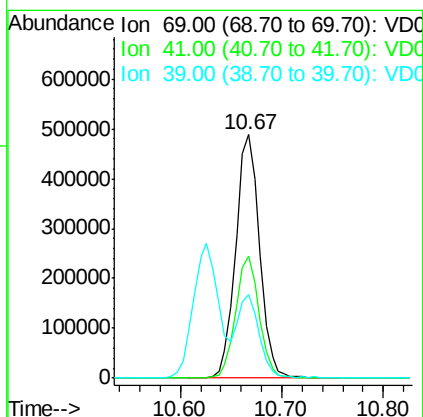
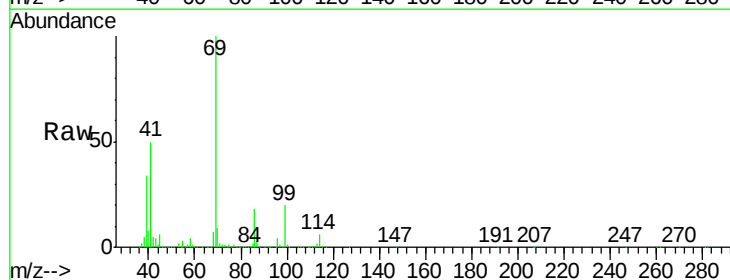
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

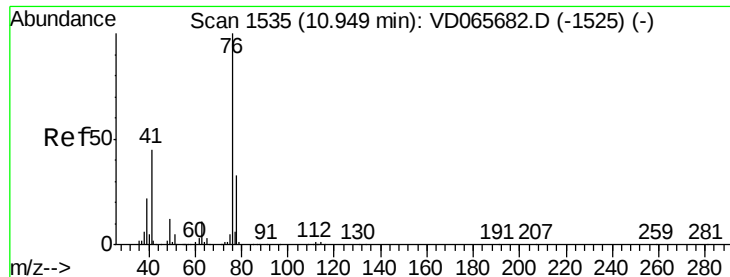
Tot Ion: 97 Resp: 762082
 Ion Ratio Lower Upper
 97 100
 83 79.3 66.8 100.2
 85 50.5 44.4 66.6
 99 60.6 49.3 73.9



#56
 Ethyl methacrylate
 Concen: 192.213 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Tgt Ion: 69 Resp: 801325
 Ion Ratio Lower Upper
 69 100
 41 48.8 40.9 61.3
 39 30.6 25.8 38.8





#57

1,3-Dichloropropane

Concen: 145.048 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

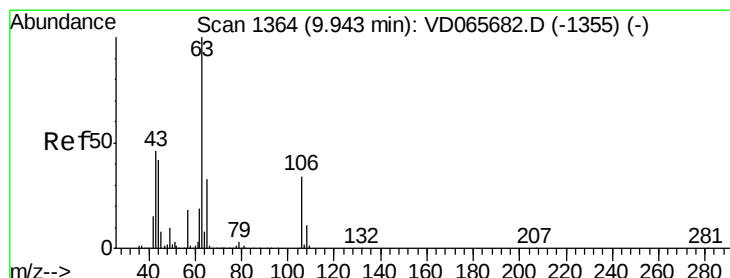
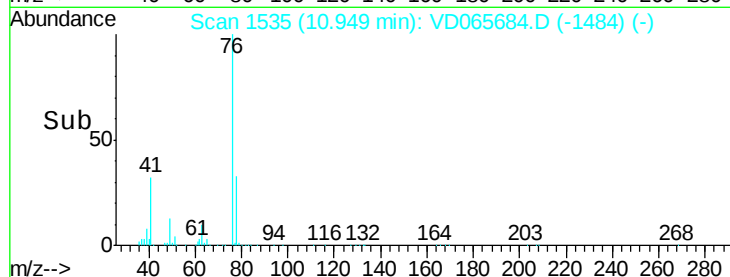
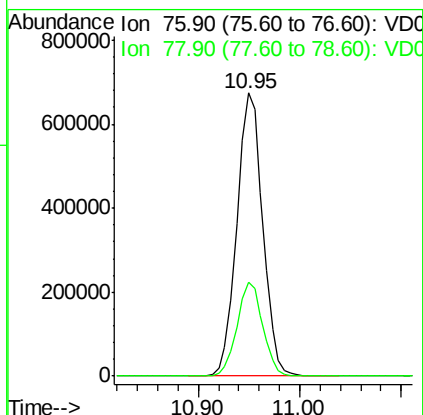
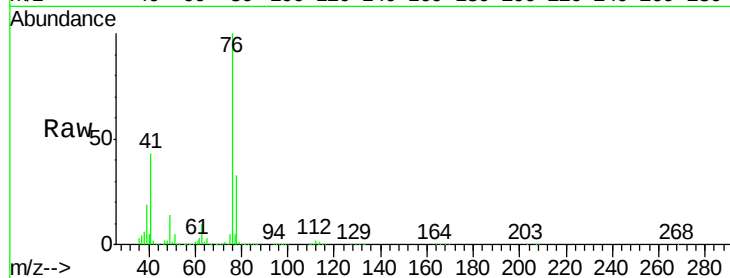
VSTDIC150

Tot Ion: 76 Resp: 1194559

Ion Ratio Lower Upper

76 100

78 32.9 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 810.339 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065684.D

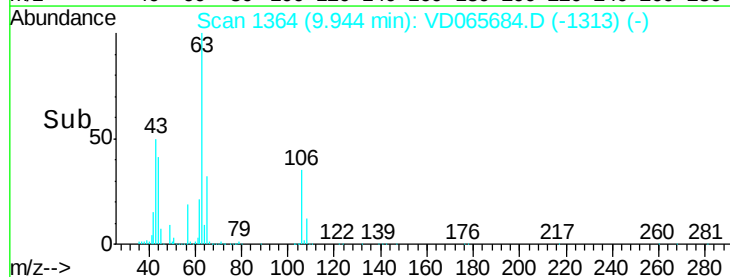
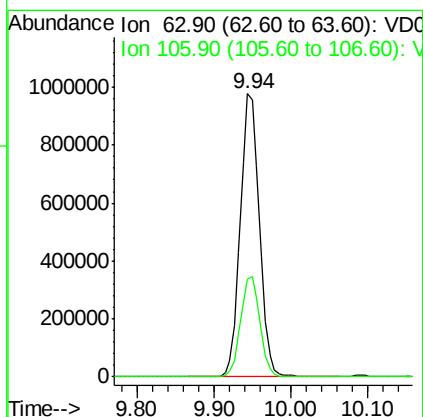
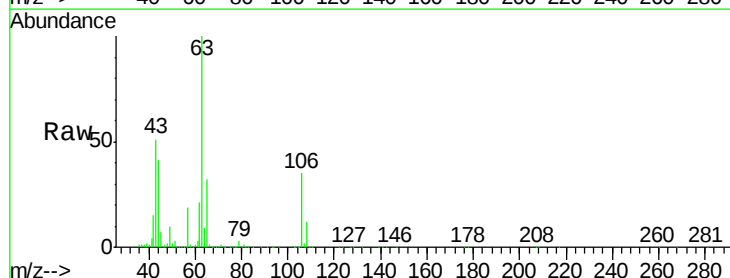
Acq: 29 Apr 2020 15:55

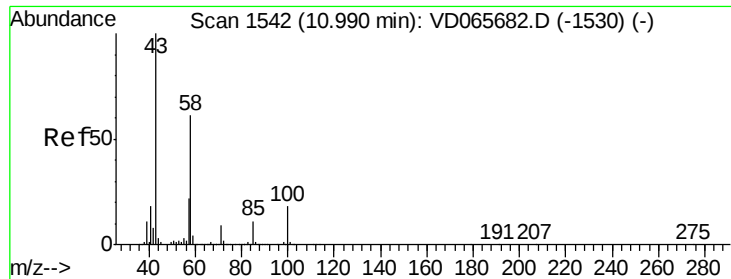
Tgt Ion: 63 Resp: 1708708

Ion Ratio Lower Upper

63 100

106 35.6 27.8 41.8

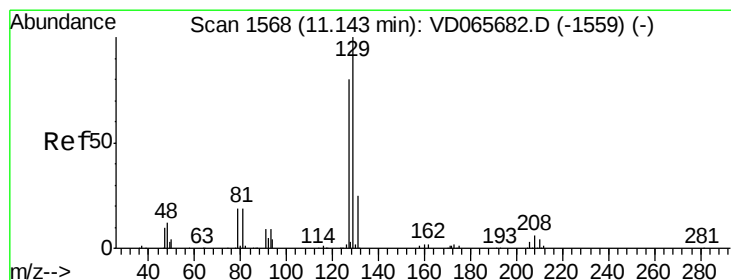
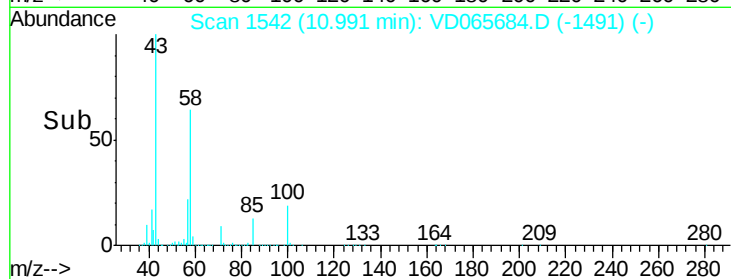
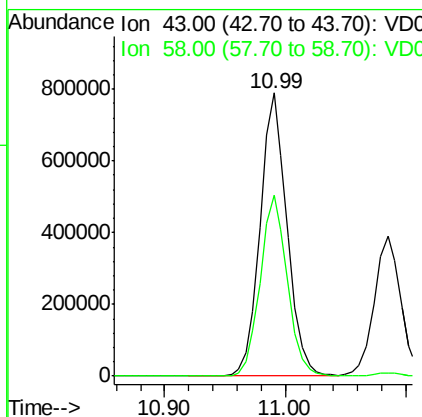
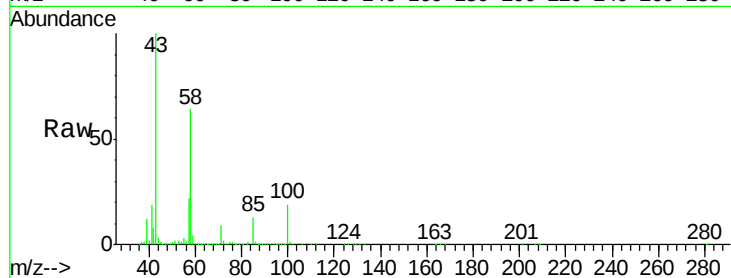




#59
2-Hexanone
Concen: 788.759 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

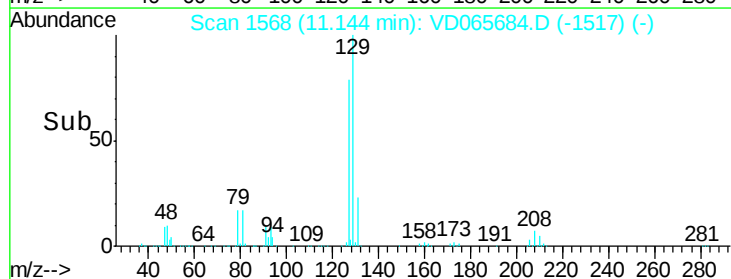
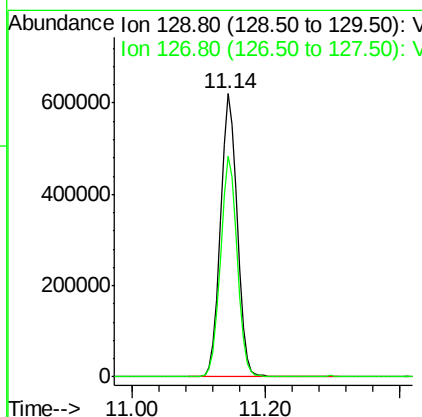
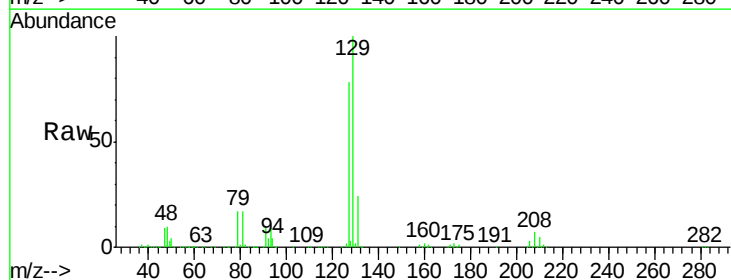
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

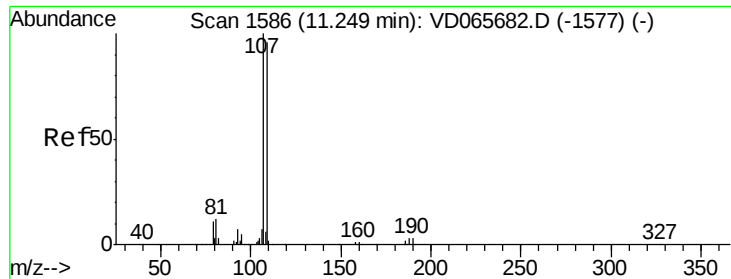
Tot Ion: 43 Resp: 1225388
Ion Ratio Lower Upper
43 100
58 64.5 31.5 94.5



#60
Dibromochloromethane
Concen: 151.159 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion: 129 Resp: 1104607
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.5

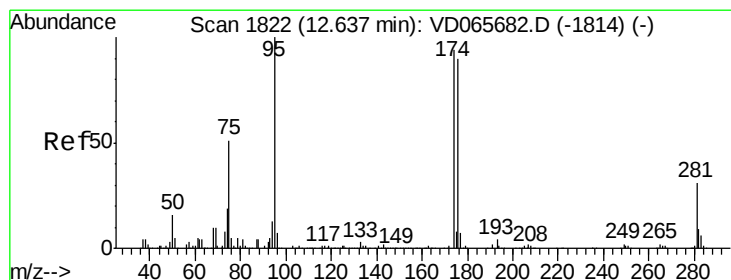
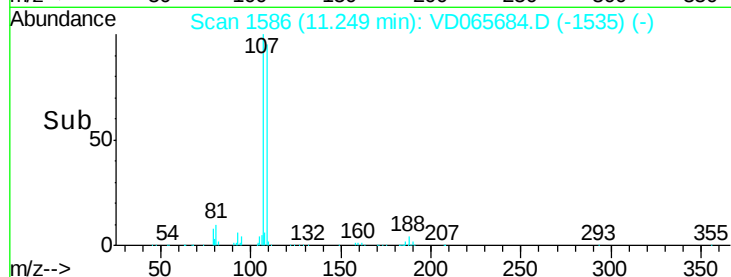
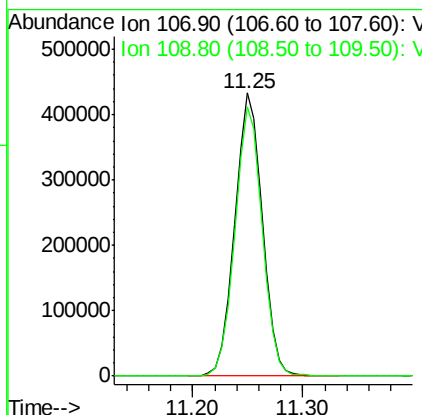
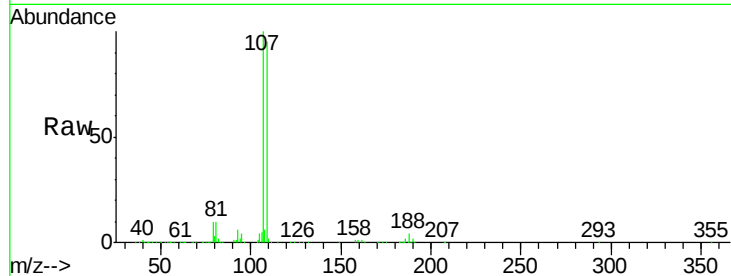




#61
 1,2-Dibromoethane
 Concen: 149.832 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

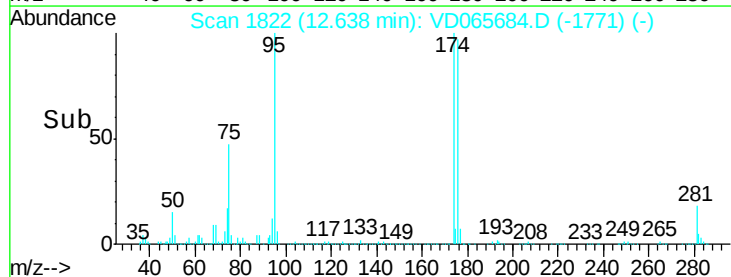
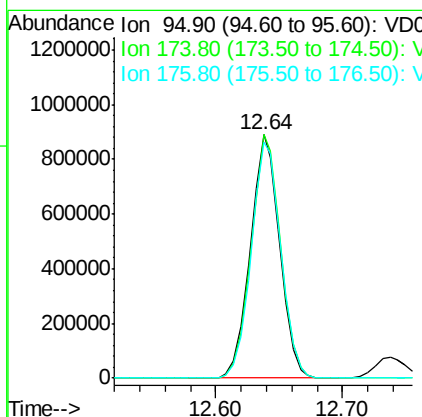
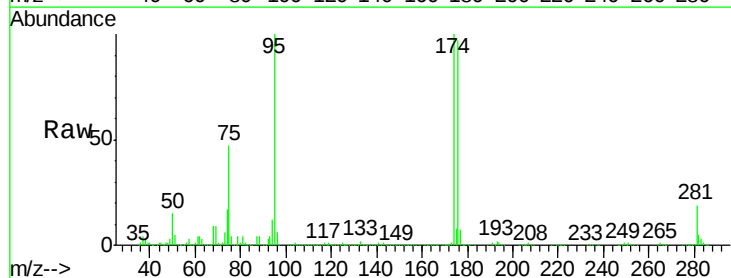
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

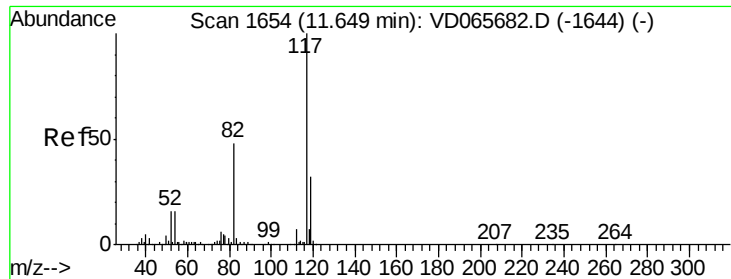
Tot Ion:107 Resp: 757734
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 174.152 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Tgt Ion: 95 Resp: 1427944
 Ion Ratio Lower Upper
 95 100
 174 100.3 0.0 187.6
 176 98.4 0.0 181.4

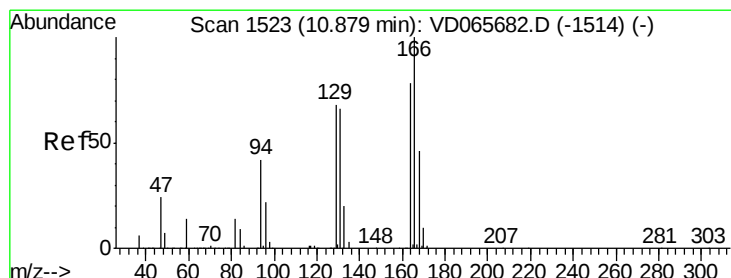
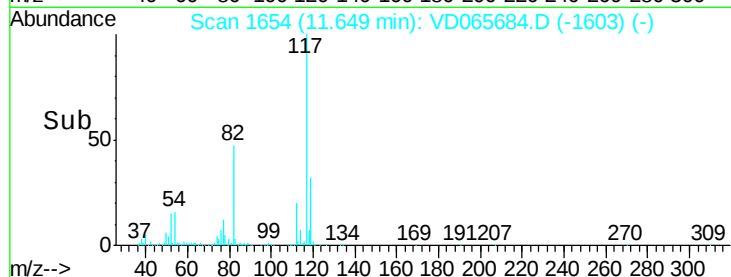
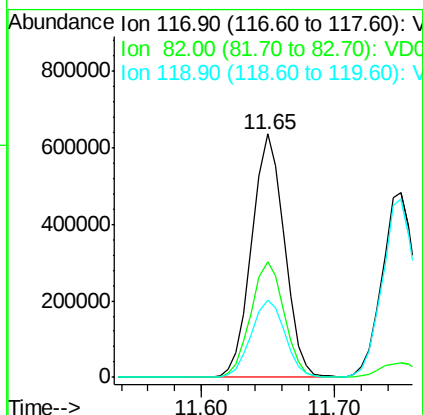
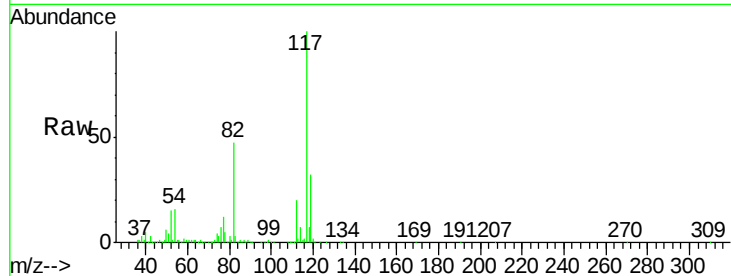




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

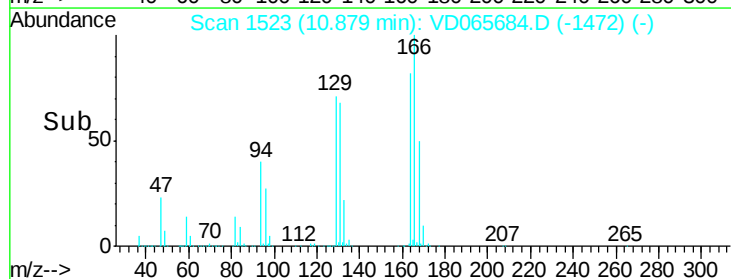
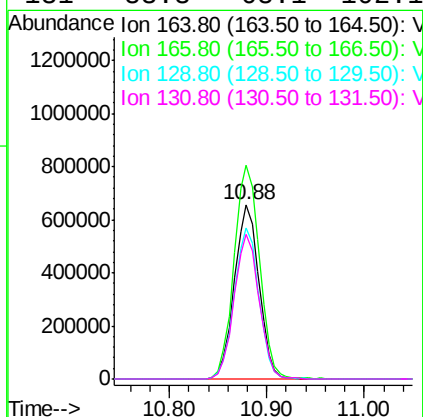
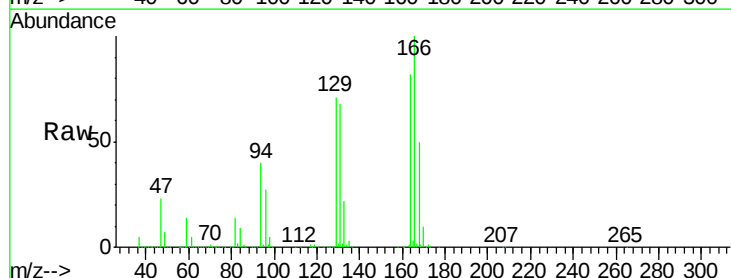
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

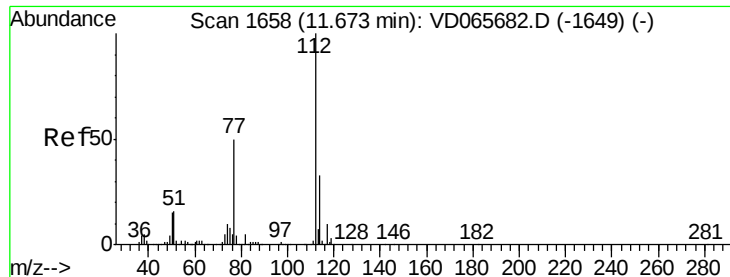
Tot Ion:117 Resp: 1073565
Ion Ratio Lower Upper
117 100
82 47.4 38.6 58.0
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 154.281 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion:164 Resp: 1149804
Ion Ratio Lower Upper
164 100
166 122.5 102.7 154.1
129 86.8 69.9 104.9
131 83.3 68.1 102.1

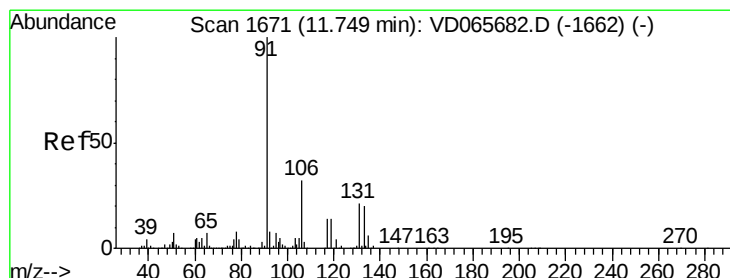
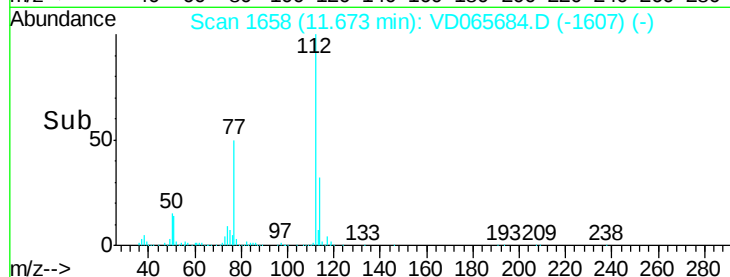
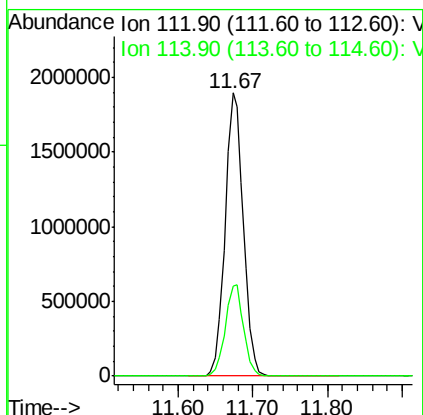
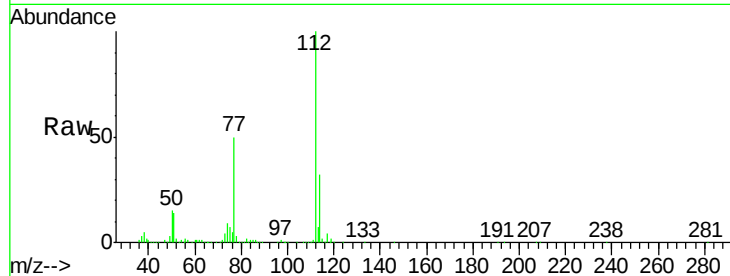




#65
Chlorobenzene
Concen: 150.877 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

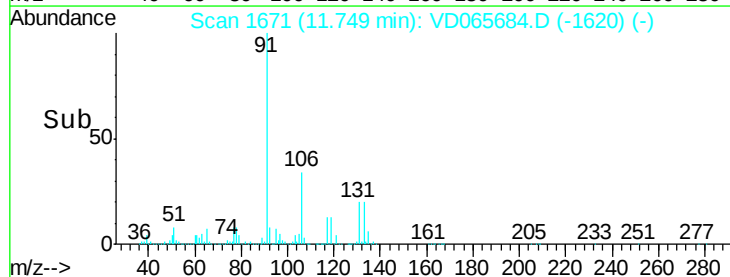
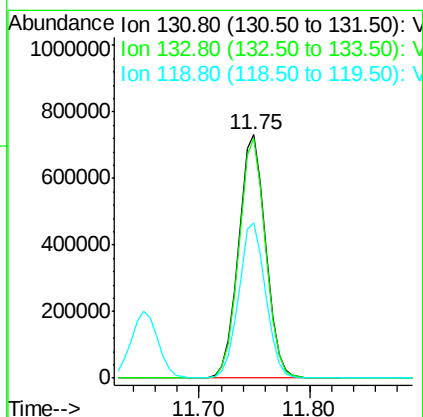
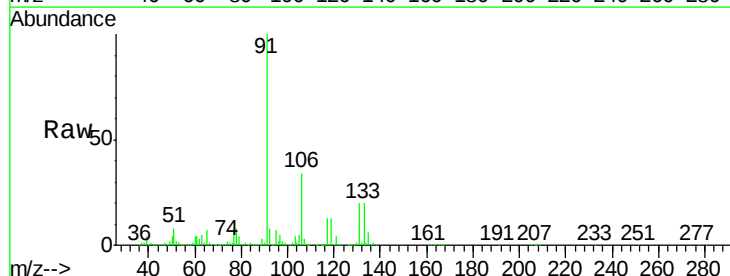
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

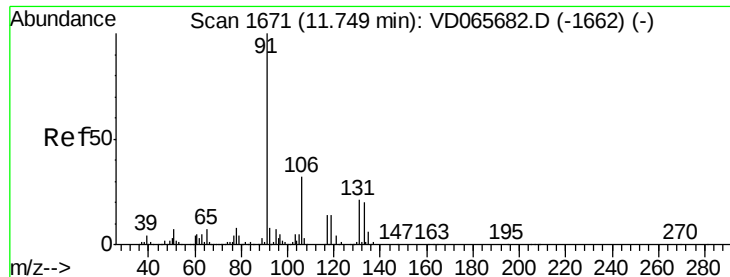
Tot Ion:112 Resp: 3220277
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 156.915 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion:131 Resp: 1264542
Ion Ratio Lower Upper
131 100
133 97.1 47.9 143.8
119 63.5 32.1 96.5





#67

Ethyl Benzene

Concen: 173.437 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

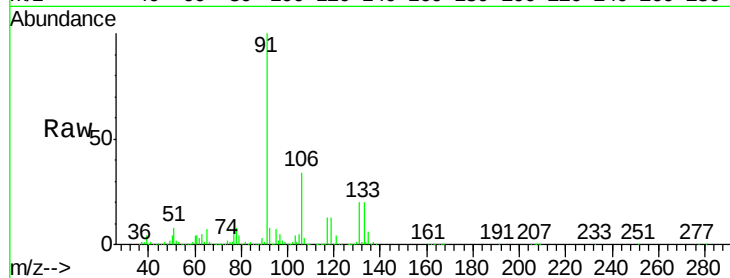
VSTDIC150

Tot Ion: 91 Resp: 5752456

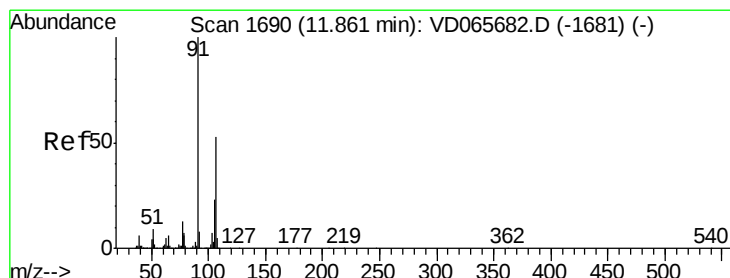
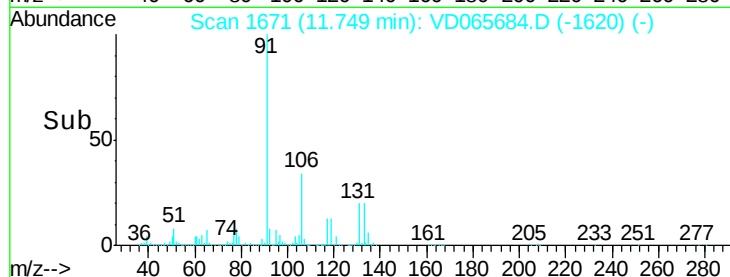
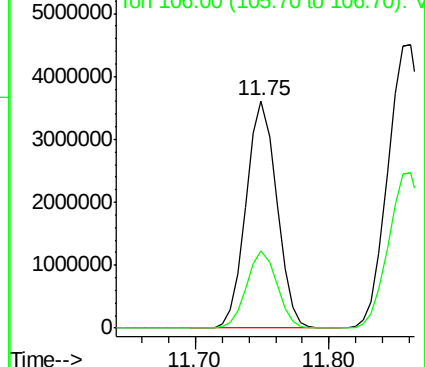
Ion Ratio Lower Upper

91 100

106 34.1 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 356.770 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065684.D

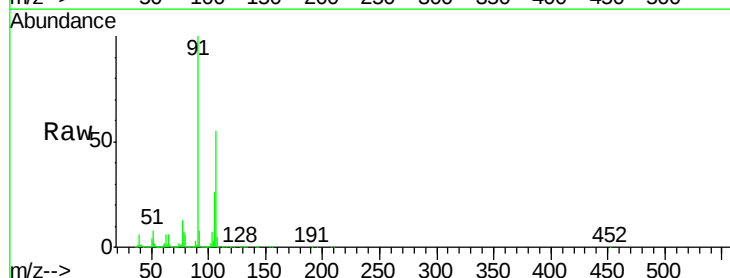
Acq: 29 Apr 2020 15:55

Tgt Ion: 106 Resp: 4732169

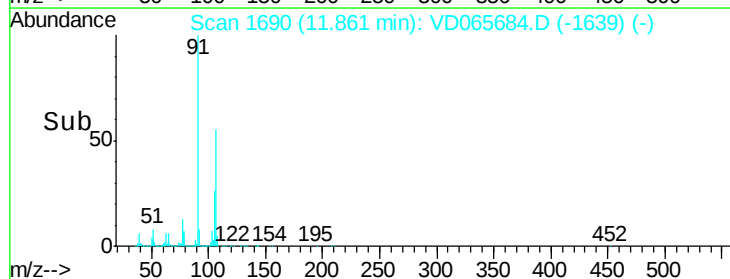
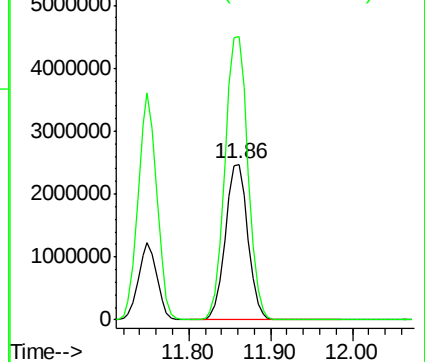
Ion Ratio Lower Upper

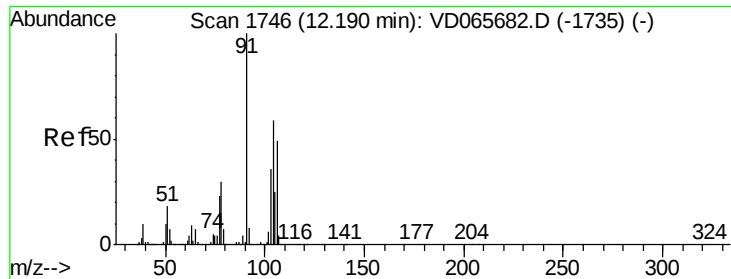
106 100

91 185.6 154.5 231.7



Abundance Ion 106.00 (105.70 to 106.70): V

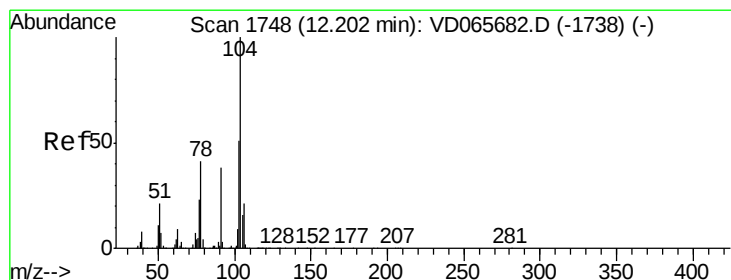
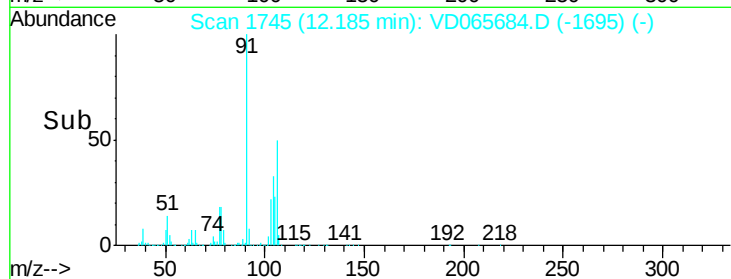
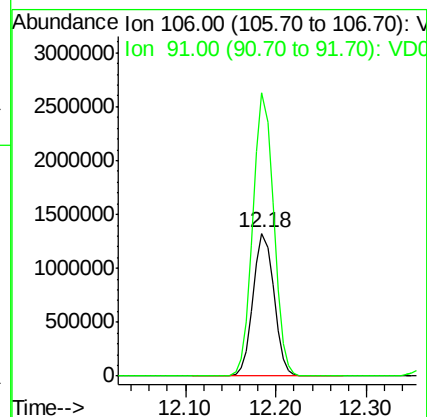
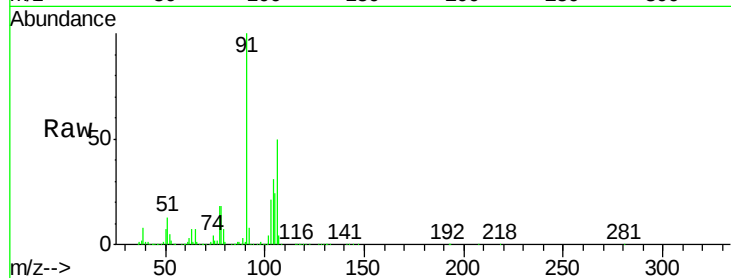




#69
o-Xylene
Concen: 189.428 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

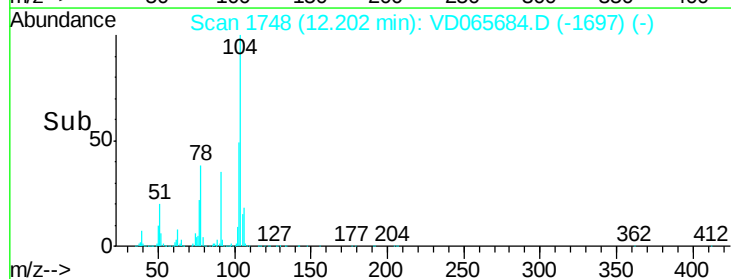
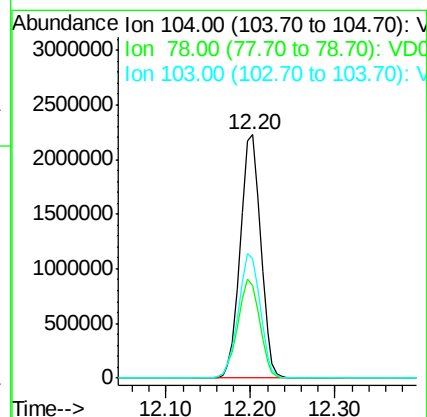
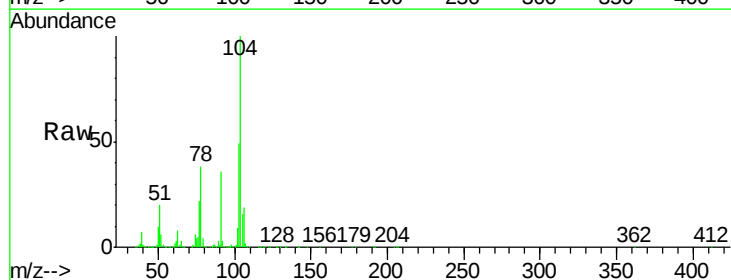
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

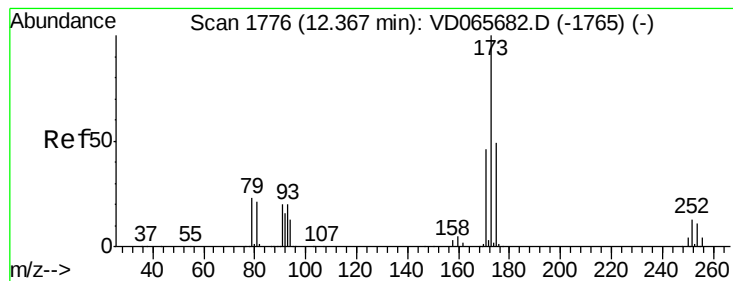
Tot Ion:106 Resp: 2115623
Ion Ratio Lower Upper
106 100
91 197.9 102.4 307.2



#70
Styrene
Concen: 185.760 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion:104 Resp: 3695428
Ion Ratio Lower Upper
104 100
78 43.9 36.5 54.7
103 54.7 43.8 65.8





#71

Bromoform

Concen: 150.586 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

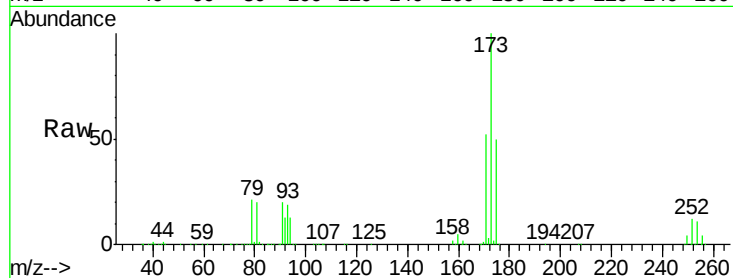
Tot Ion:173 Resp: 677658

Ion Ratio Lower Upper

173 100

175 49.2 24.6 74.0

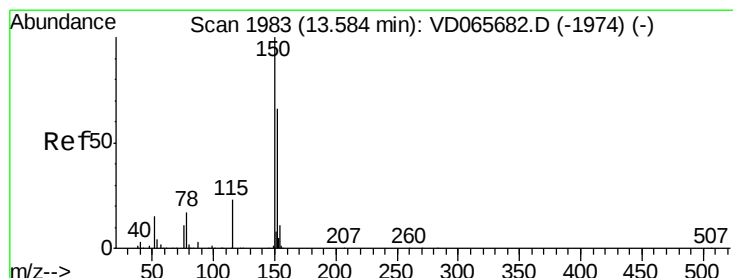
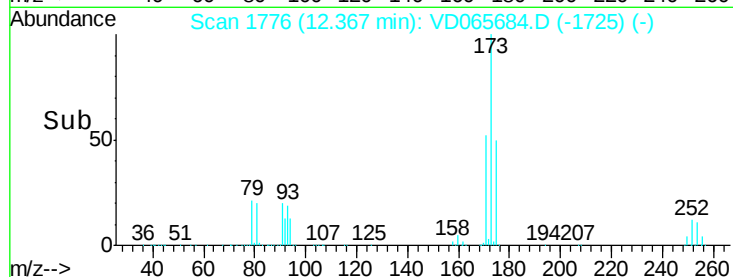
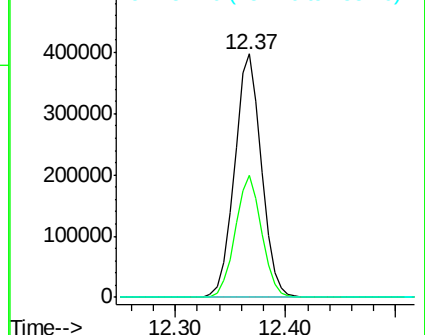
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

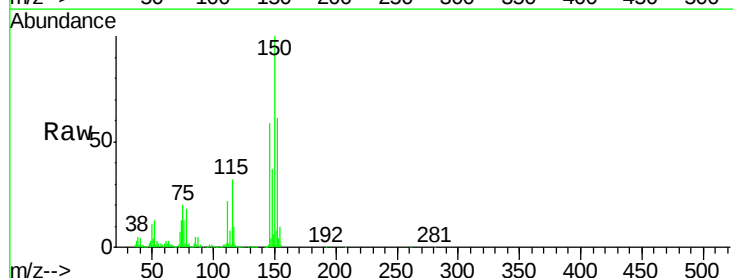
Tgt Ion:152 Resp: 618033

Ion Ratio Lower Upper

152 100

115 53.0 27.5 82.4

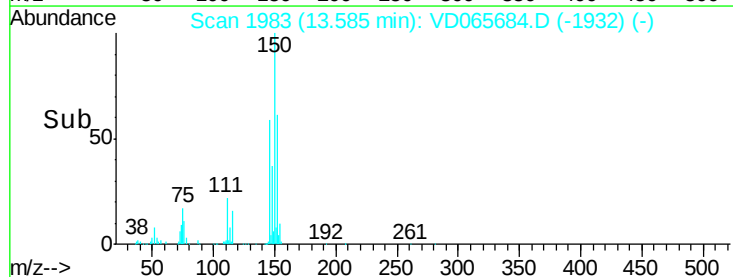
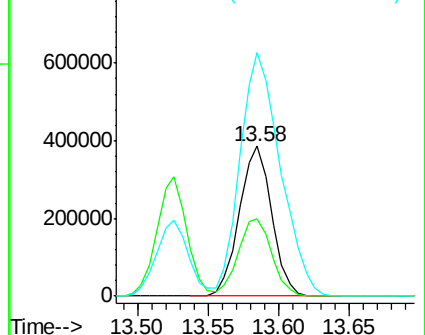
150 203.4 0.0 347.0

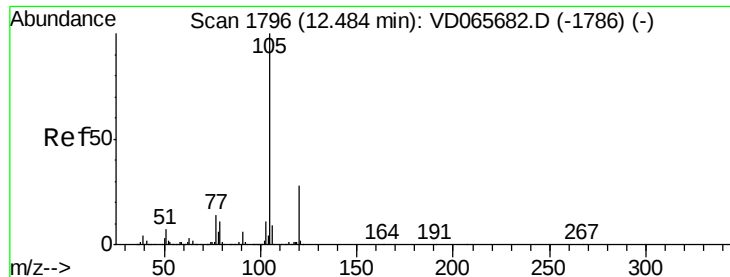


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 182.233 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

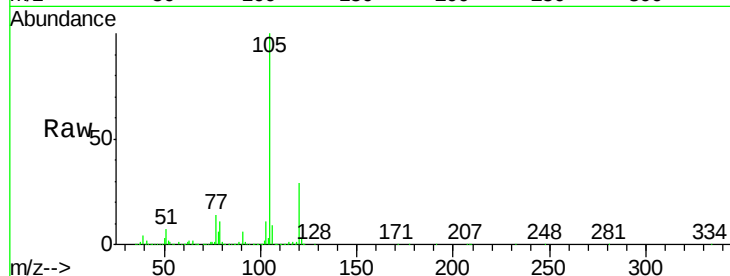
VSTDIC150

Tot Ion:105 Resp: 5863047

Ion Ratio Lower Upper

105 100

120 28.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

4000000

3000000

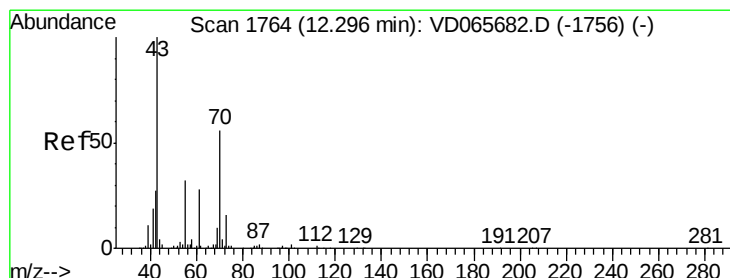
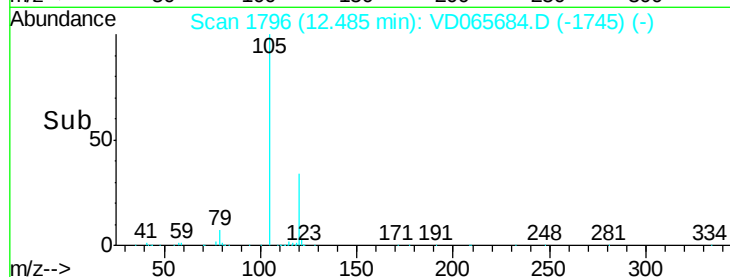
2000000

1000000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 152.052 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Tgt Ion: 43 Resp: 676008

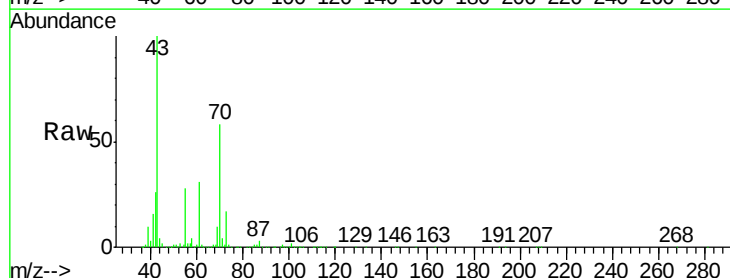
Ion Ratio Lower Upper

43 100

70 58.6 45.5 68.3

55 31.2 26.6 40.0

61 30.2 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

600000

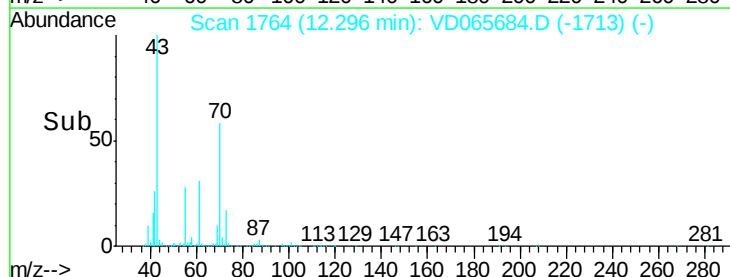
400000

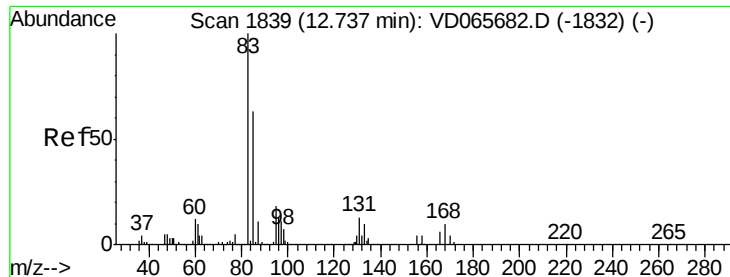
200000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 121.670 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

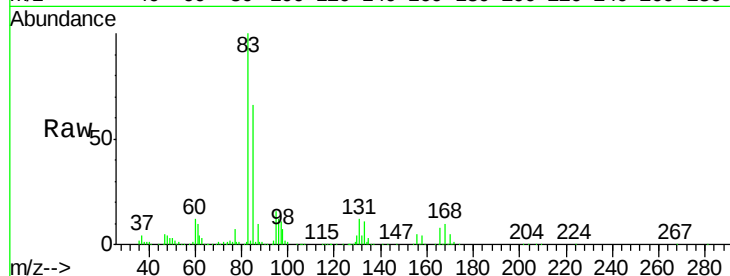
Tot Ion: 83 Resp: 780556

Ion Ratio Lower Upper

83 100

131 12.2 5.9 17.6

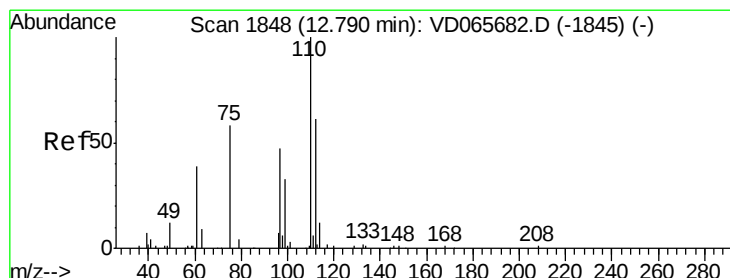
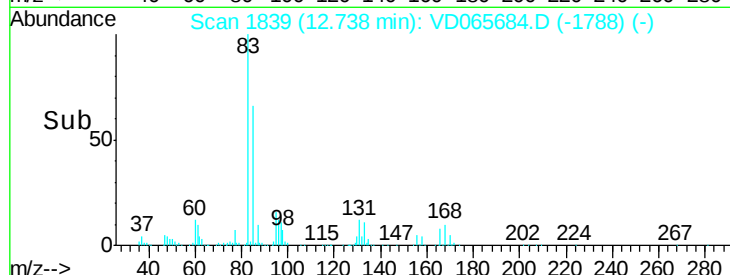
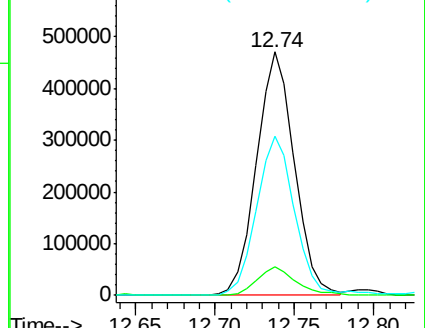
85 65.3 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 67.974 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065684.D

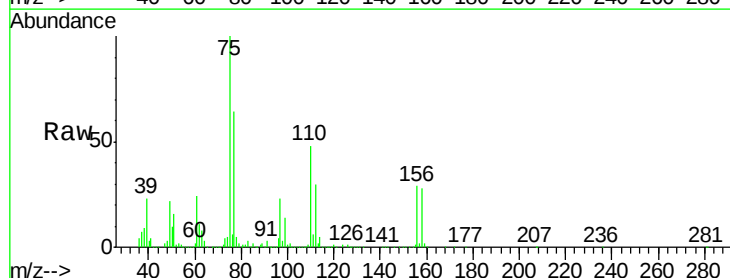
Acq: 29 Apr 2020 15:55

Tgt Ion: 75 Resp: 474288

Ion Ratio Lower Upper

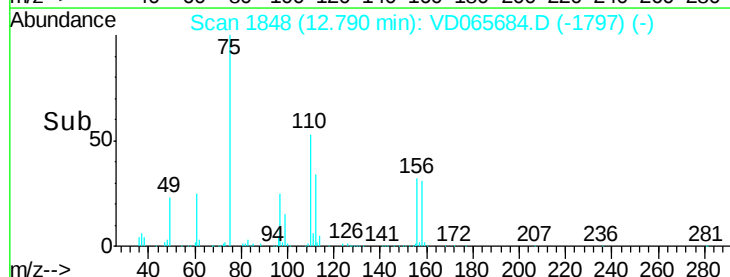
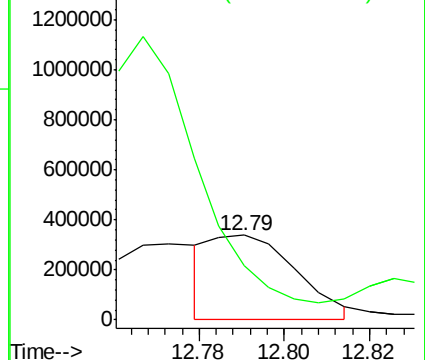
75 100

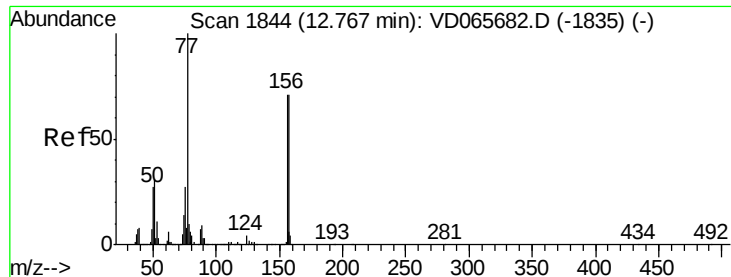
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 162.781 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

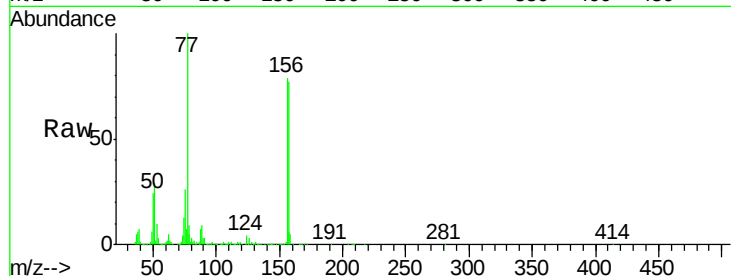
Tot Ion:156 Resp: 1469139

Ion Ratio Lower Upper

156 100

77 138.5 75.3 225.9

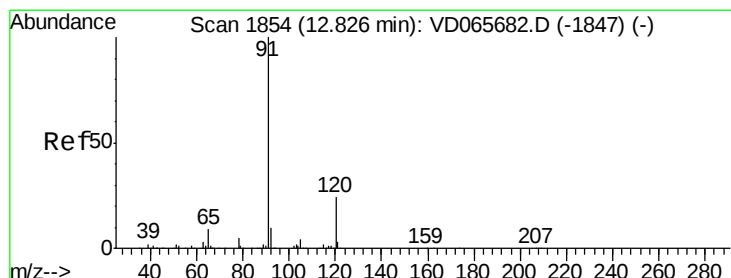
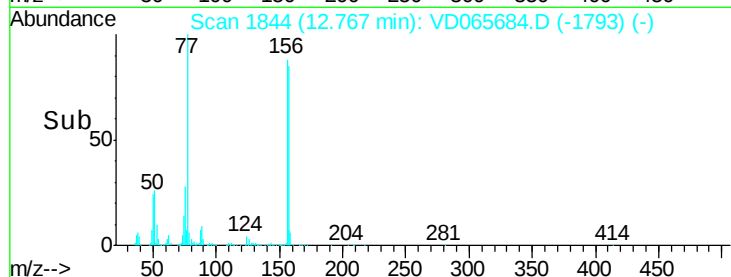
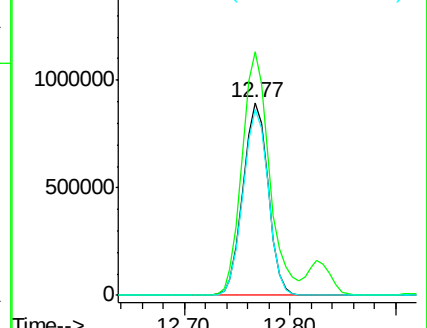
158 97.1 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 165.010 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065684.D

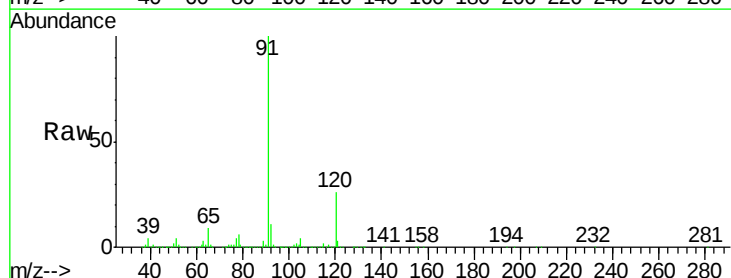
Acq: 29 Apr 2020 15:55

Tgt Ion: 91 Resp: 6564929

Ion Ratio Lower Upper

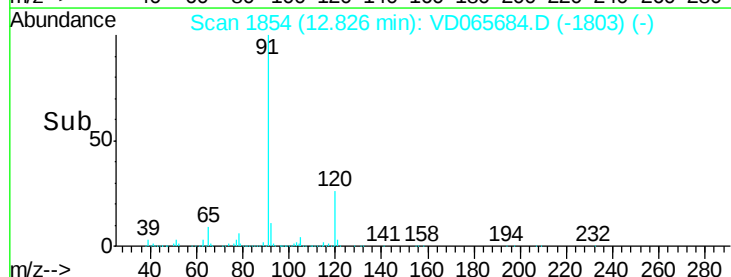
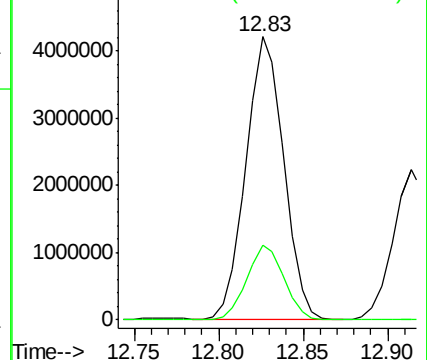
91 100

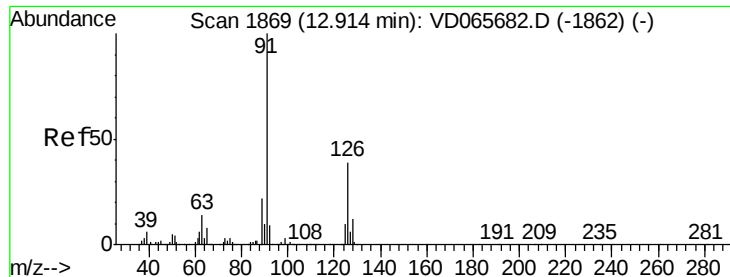
120 26.0 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 158.926 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

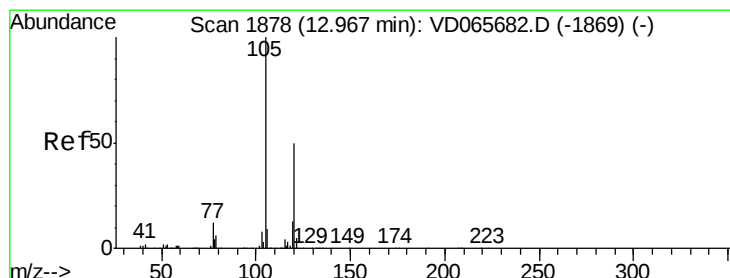
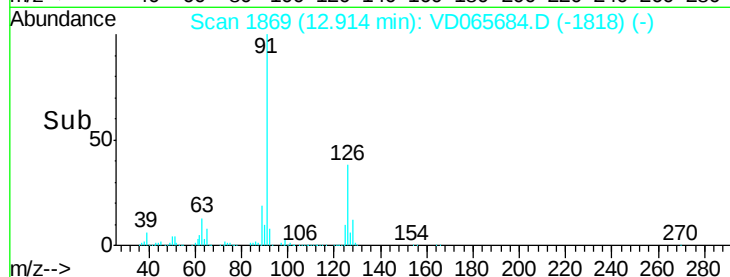
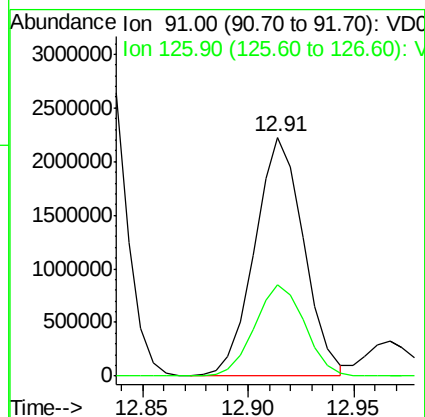
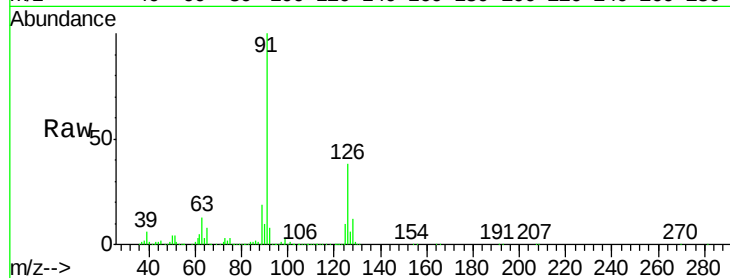
VSTDIC150

Tot Ion: 91 Resp: 3580399

Ion Ratio Lower Upper

91 100

126 39.2 19.3 57.9



#80

1,3,5-Trimethylbenzene

Concen: 175.192 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065684.D

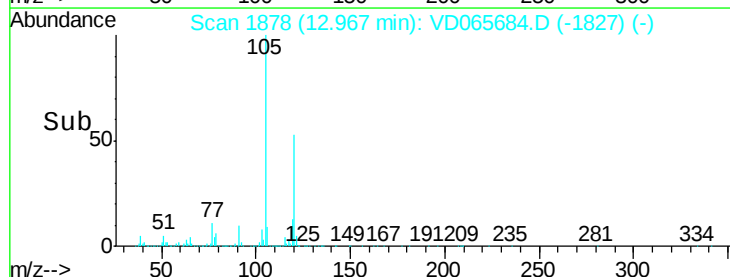
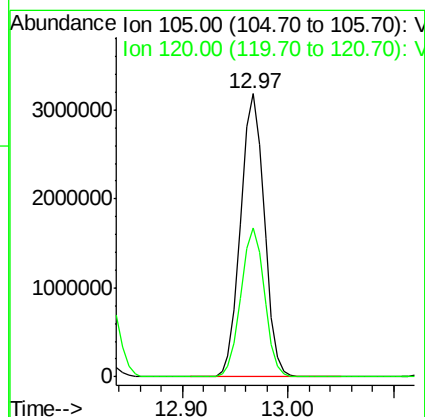
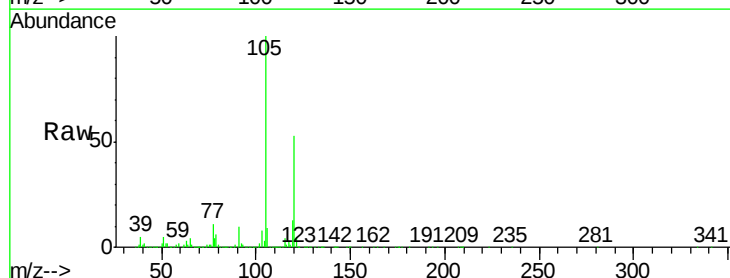
Acq: 29 Apr 2020 15:55

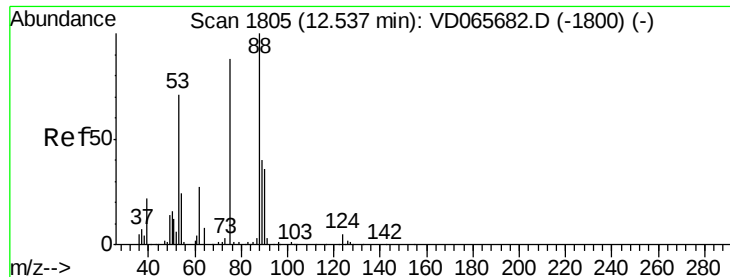
Tgt Ion:105 Resp: 4911586

Ion Ratio Lower Upper

105 100

120 52.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 142.506 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

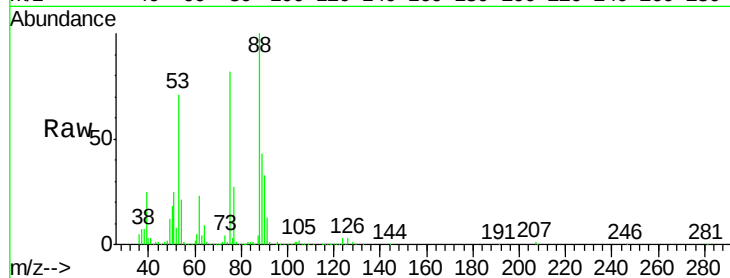
Tot Ion: 75 Resp: 248687

Ion Ratio Lower Upper

75 100

53 83.1 70.5 105.7

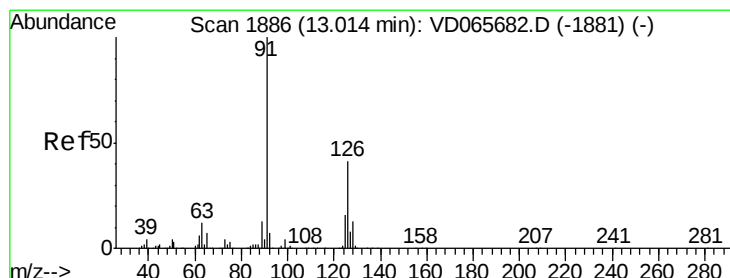
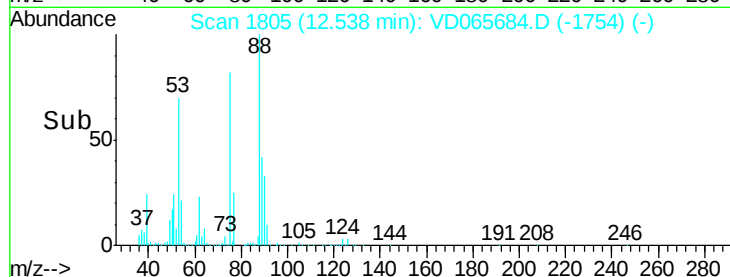
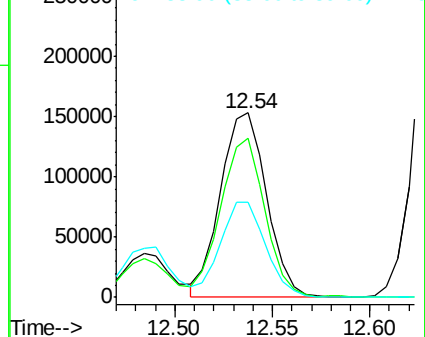
89 51.5 39.0 58.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 156.339 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065684.D

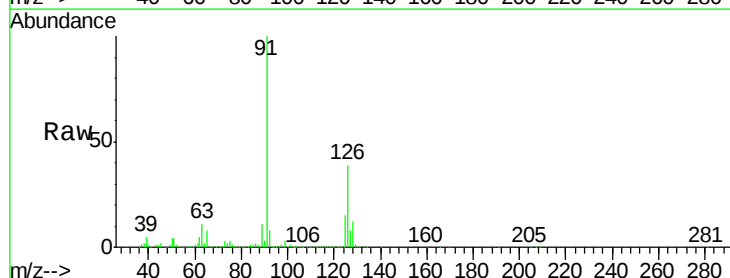
Acq: 29 Apr 2020 15:55

Tgt Ion: 91 Resp: 3812689

Ion Ratio Lower Upper

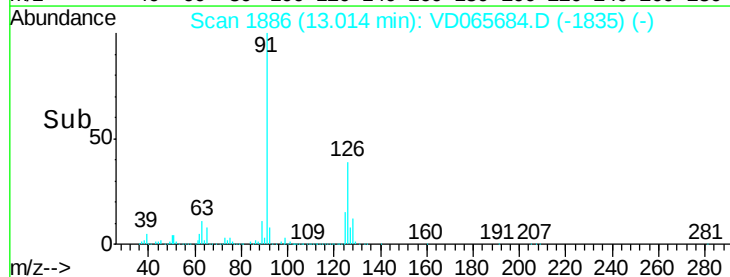
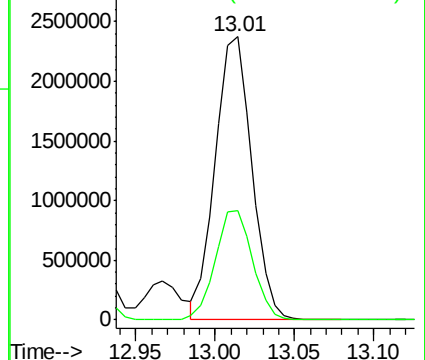
91 100

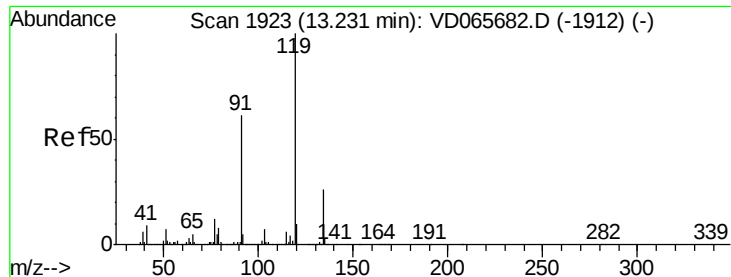
126 39.4 19.3 57.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

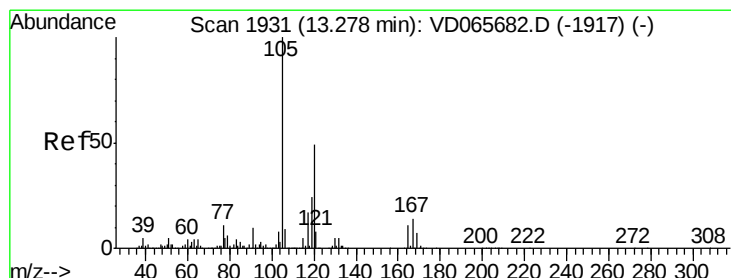
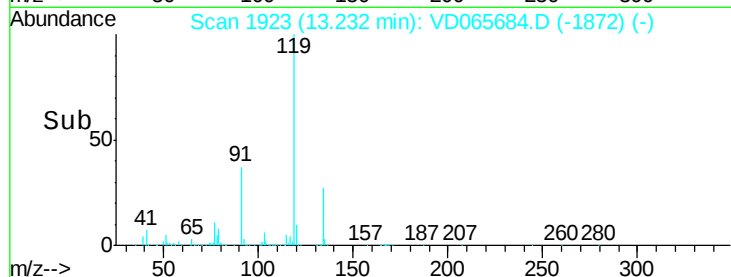
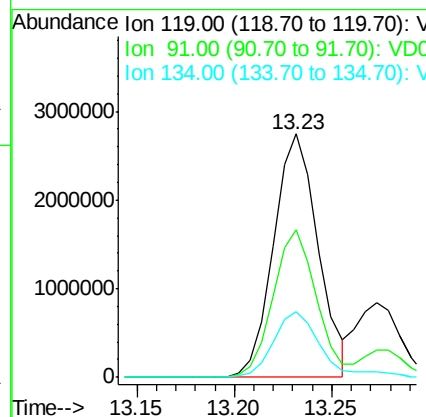
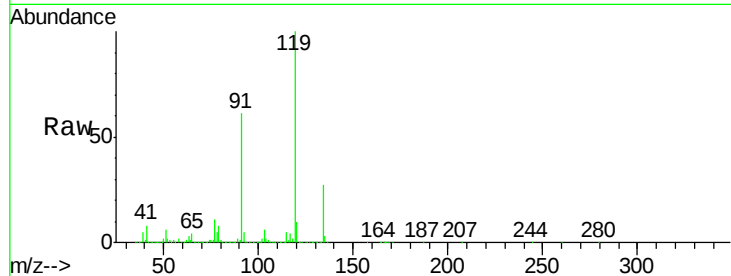




#83
tert-Butylbenzene
Concen: 187.420 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

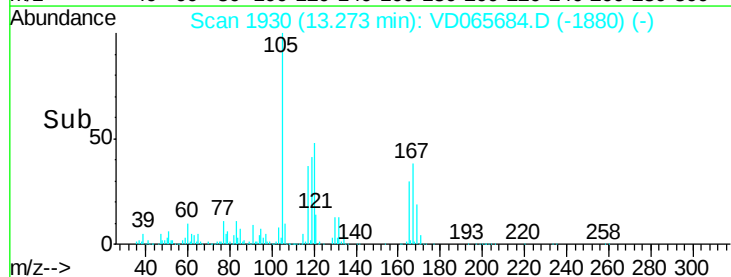
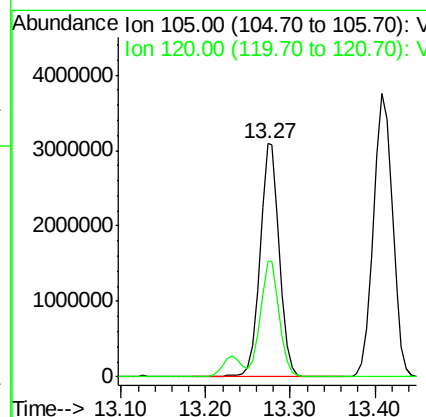
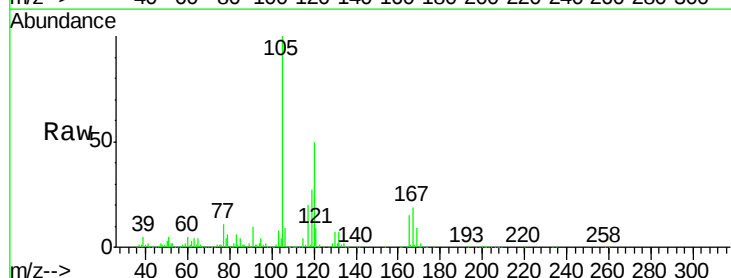
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

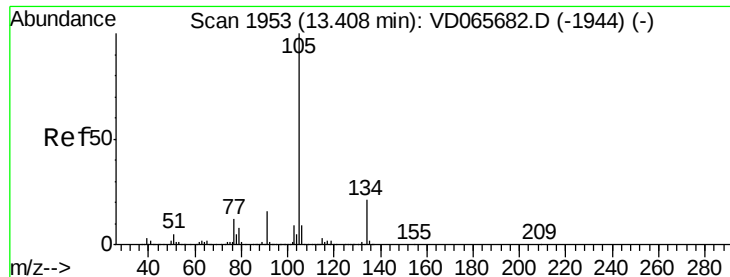
Tot Ion:119 Resp: 4337889
Ion Ratio Lower Upper
119 100
91 59.6 30.6 91.8
134 28.8 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 178.563 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion:105 Resp: 4947384
Ion Ratio Lower Upper
105 100
120 48.6 24.0 72.0





#85

sec-Butylbenzene

Concen: 172.684 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

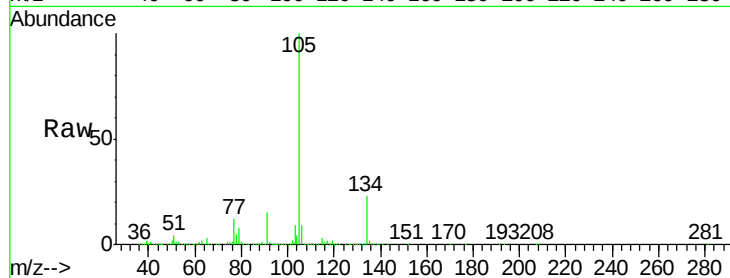
VSTDIC150

Tot Ion:105 Resp: 5823367

Ion Ratio Lower Upper

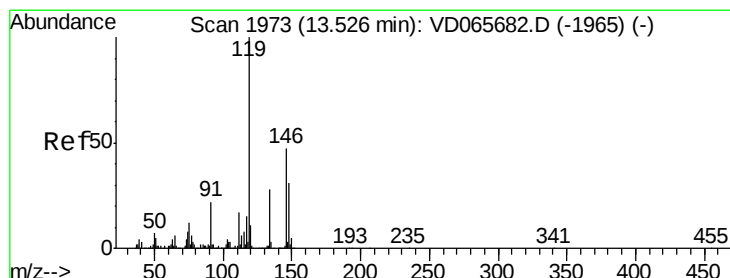
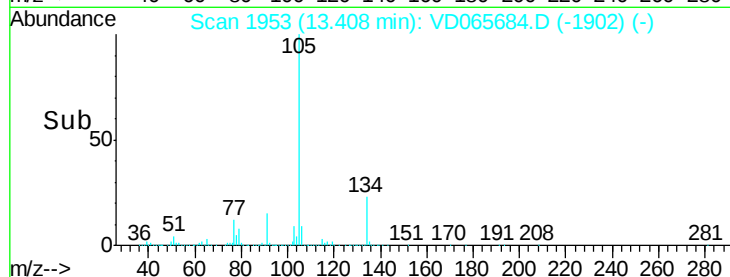
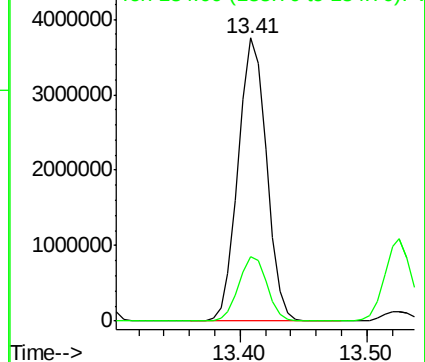
105 100

134 22.7 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 187.416 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

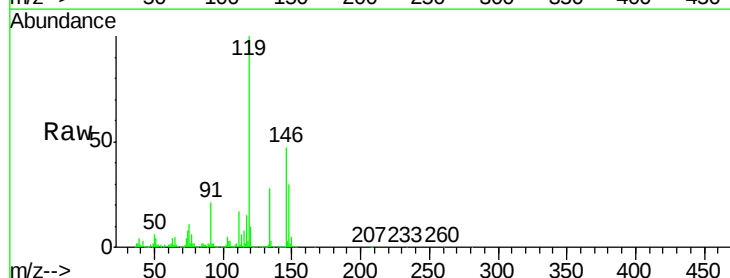
Tgt Ion:119 Resp: 5828459

Ion Ratio Lower Upper

119 100

134 27.8 13.8 41.3

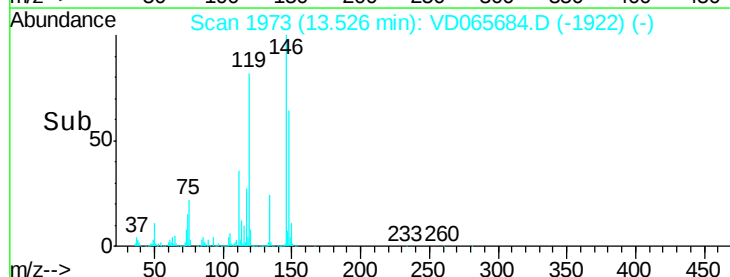
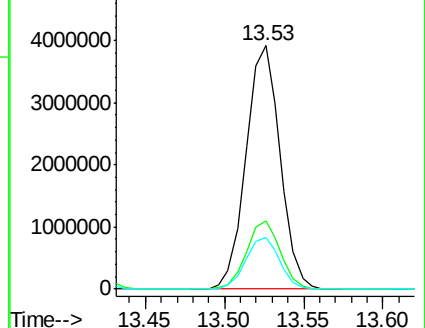
91 21.0 11.1 33.3

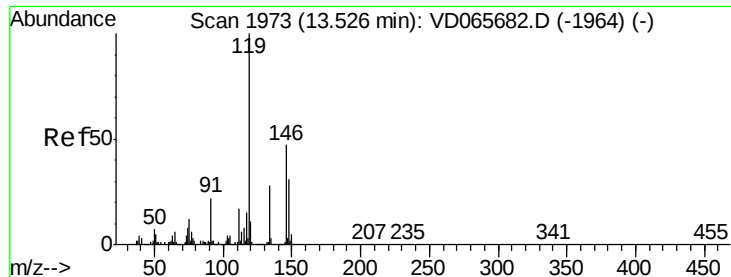


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 160.935 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

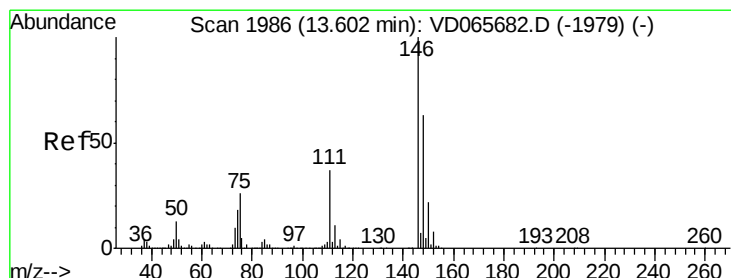
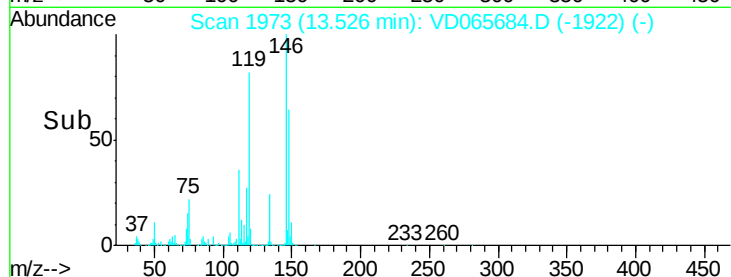
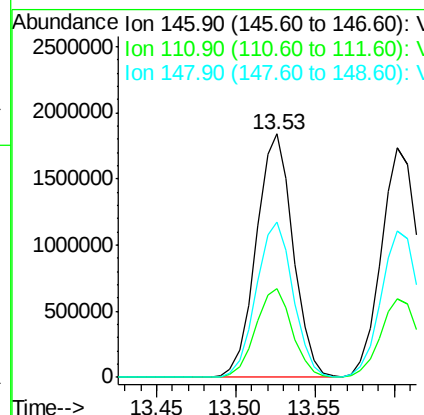
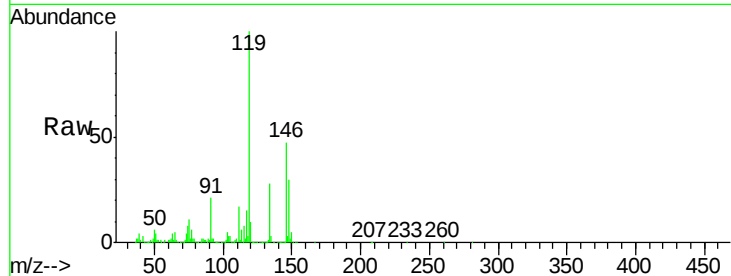
Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:146 Resp: 2971013

Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.6	55.8
148	63.9	32.5	97.4



#88

1,4-Dichlorobenzene

Concen: 146.965 ug/l

RT: 13.60 min Scan# 1986

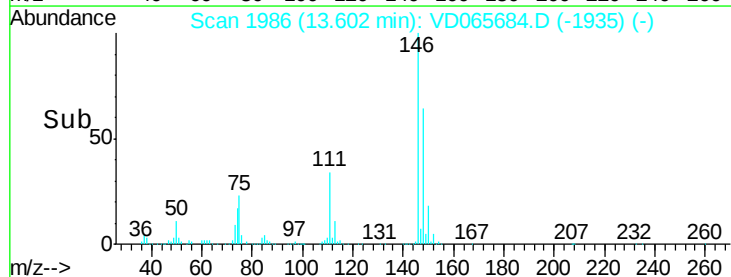
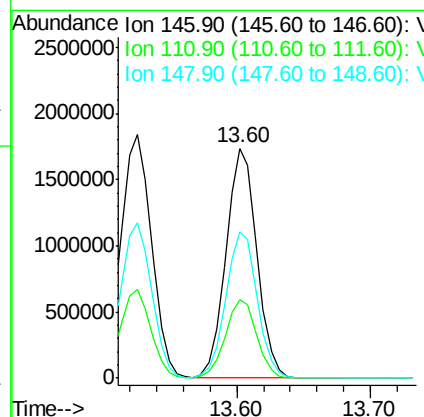
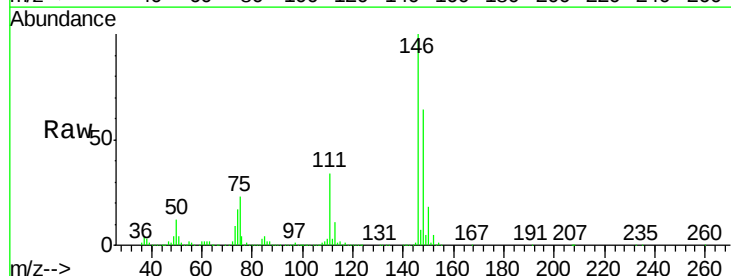
Delta R.T. 0.00 min

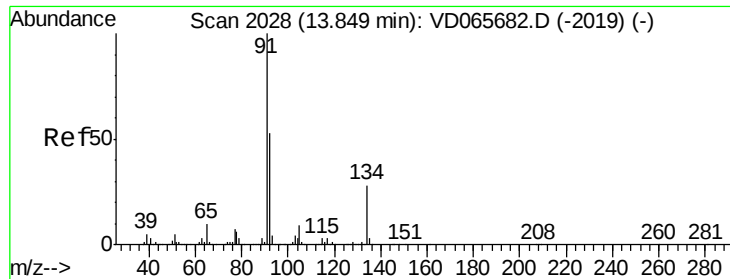
Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Tgt Ion:146 Resp: 2816269

Ion	Ratio	Lower	Upper
146	100		
111	34.5	18.5	55.5
148	64.5	31.9	95.7

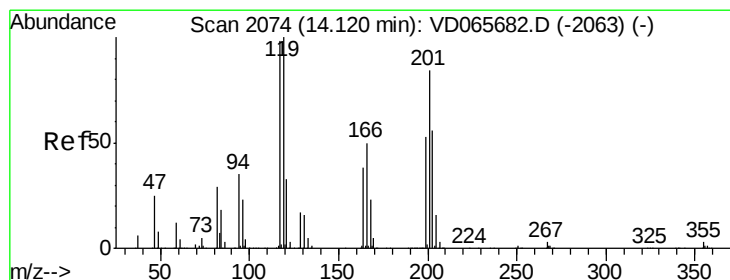
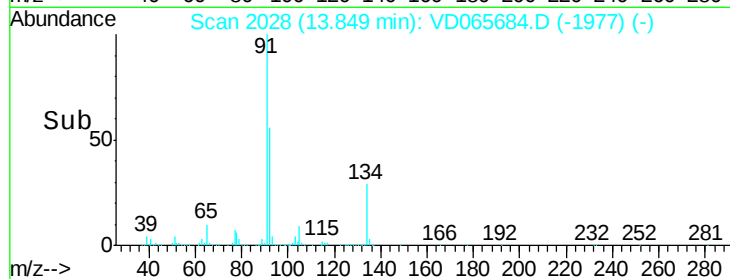
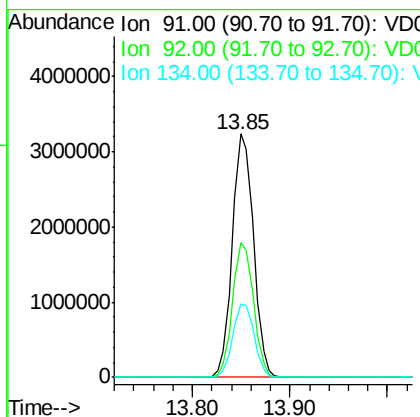
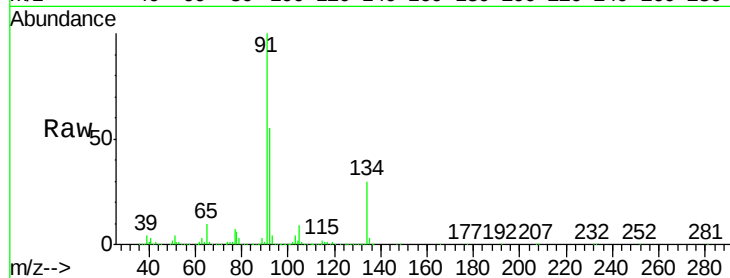




#89
n-Butylbenzene
Concen: 173.484 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

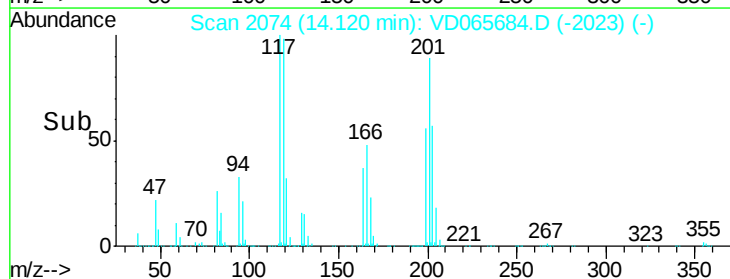
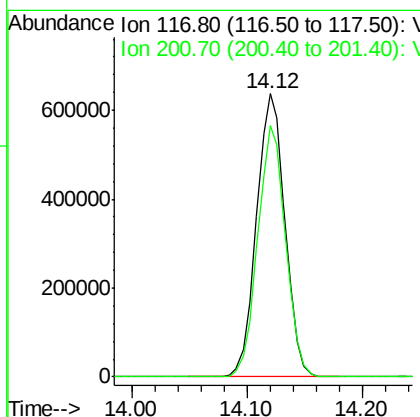
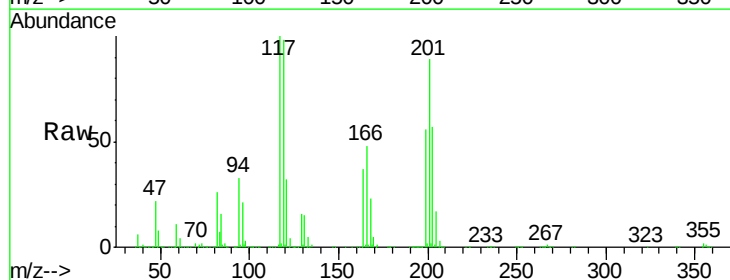
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

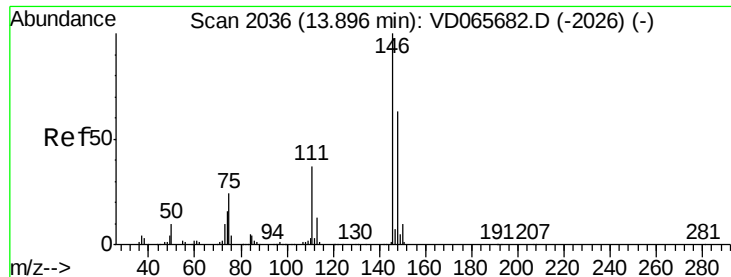
Tot Ion: 91 Resp: 4873170
Ion Ratio Lower Upper
91 100
92 54.8 26.8 80.3
134 30.6 14.1 42.4



#90
Hexachloroethane
Concen: 141.327 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion: 117 Resp: 1090076
Ion Ratio Lower Upper
117 100
201 87.2 41.9 125.6





#91

1,2-Dichlorobenzene

Concen: 152.745 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

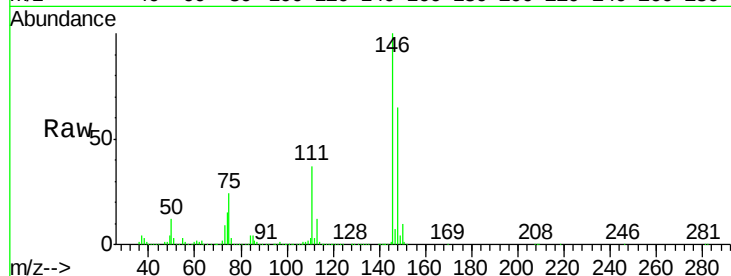
Tot Ion:146 Resp: 2432261

Ion Ratio Lower Upper

146 100

111 37.4 19.6 58.7

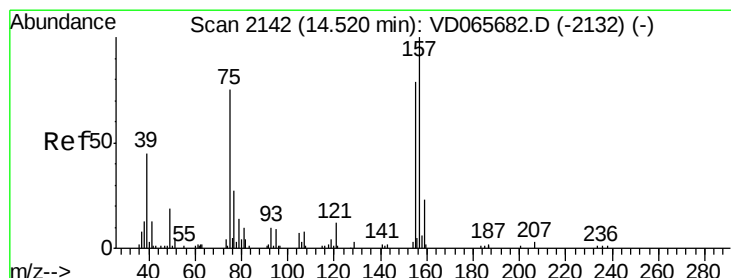
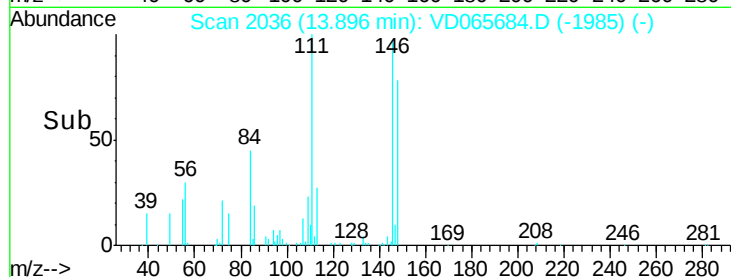
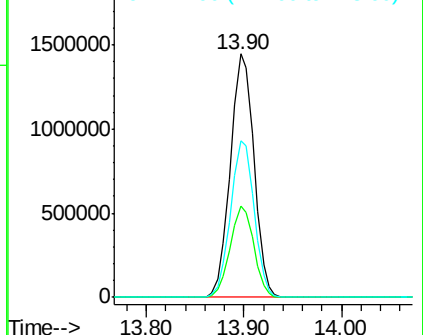
148 64.4 32.6 98.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 120.687 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065684.D

Acq: 29 Apr 2020 15:55

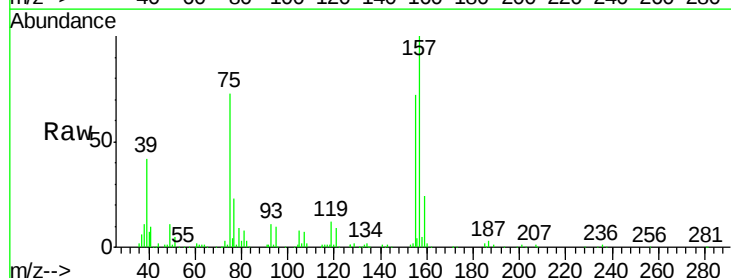
Tgt Ion: 75 Resp: 114577

Ion Ratio Lower Upper

75 100

155 102.5 50.5 151.6

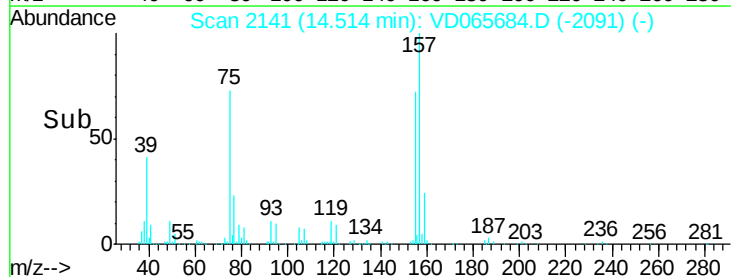
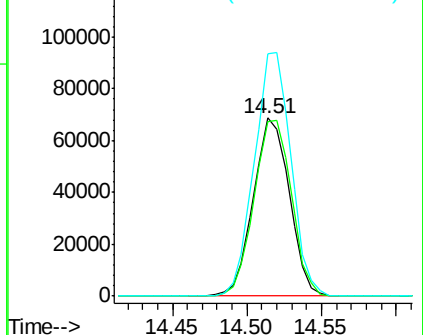
157 139.0 67.8 203.2

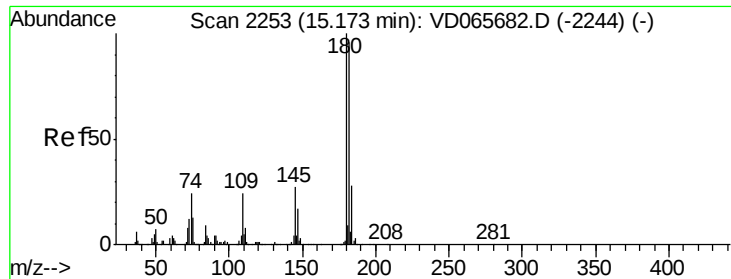


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

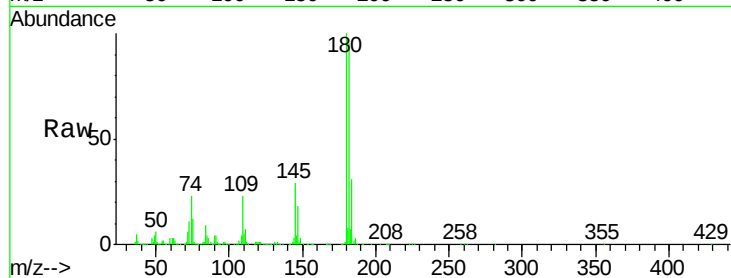




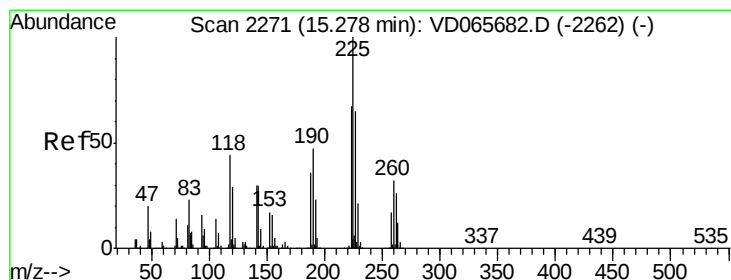
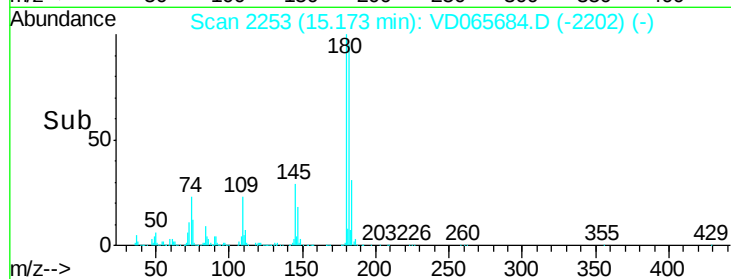
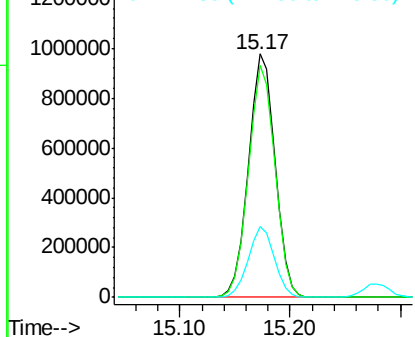
#93
 1,2,4-Trichlorobenzene
 Concen: 182.651 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1657663
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.0
 145 28.5 14.2 42.6

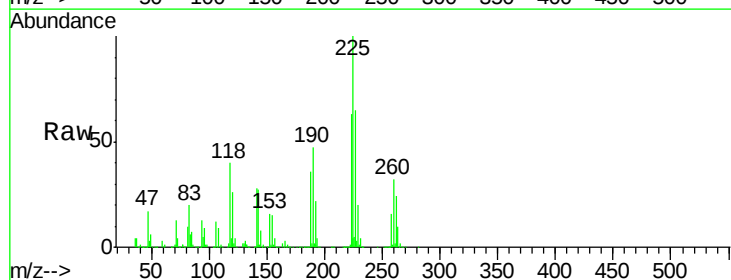


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

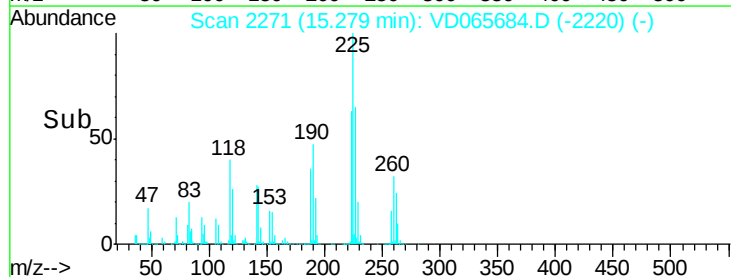
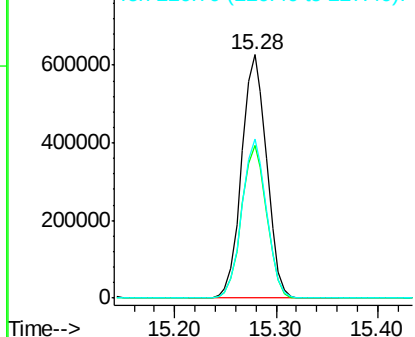


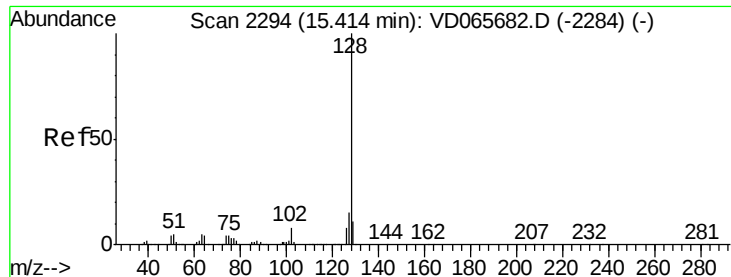
#94
 Hexachlorobutadiene
 Concen: 158.720 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065684.D
 Acq: 29 Apr 2020 15:55

Tgt Ion:225 Resp: 1070660
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.3 96.8
 227 64.4 32.2 96.6



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

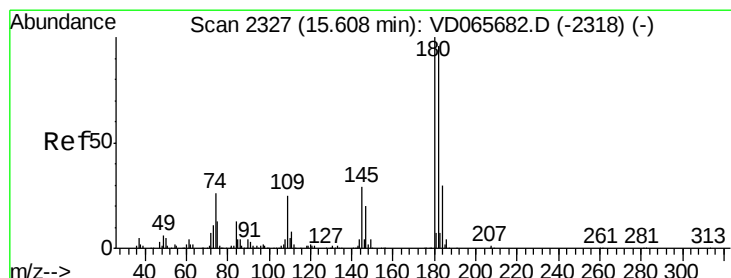
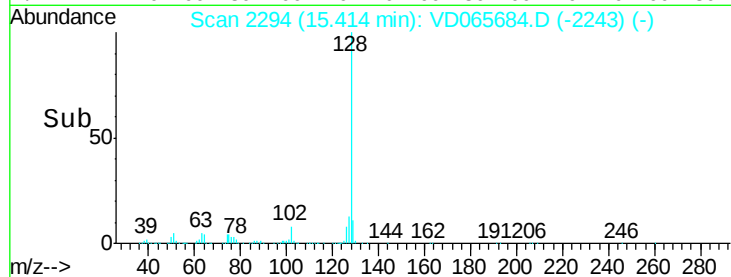
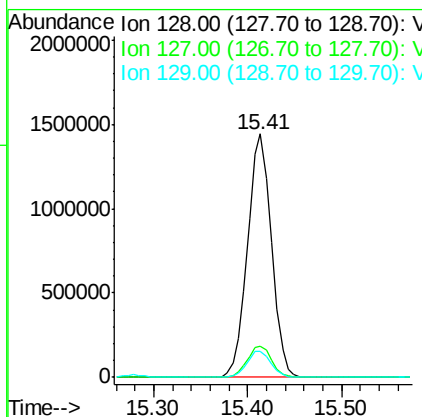
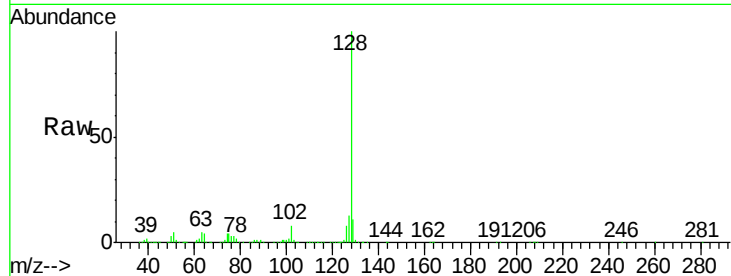




#95
Naphthalene
Concen: 196.968 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 2539206
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 172.537 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065684.D
Acq: 29 Apr 2020 15:55

Tgt Ion:180 Resp: 1400968
Ion Ratio Lower Upper
180 100
182 96.8 48.6 145.8
145 30.5 15.4 46.2

