

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091520\
 Data File : VD066699.D
 Acq On : 15 Sep 2020 15:16
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 15 16:21:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	441737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	710274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	635944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	441483	93.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.34%	
35) Dibromofluoromethane	7.91	113	424311	97.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.88%	
50) Toluene-d8	10.34	98	1584830	102.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.30%	
62) 4-Bromofluorobenzene	12.63	95	532450	99.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	315386	85.412	ug/l	97
3) Chloromethane	2.21	50	423558	88.113	ug/l	98
4) Vinyl Chloride	2.35	62	450008	89.449	ug/l	97
5) Bromomethane	2.76	94	307628	86.199	ug/l	100
6) Chloroethane	2.92	64	288781	92.142	ug/l	89
7) Trichlorofluoromethane	3.27	101	800413	92.112	ug/l	99
8) Diethyl Ether	3.71	74	211144	97.036	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	437130	91.536	ug/l	99
10) Methyl Iodide	4.30	142	499215	110.178	ug/l	99
11) Tert butyl alcohol	5.22	59	135577	285.123	ug/l	97
12) 1,1-Dichloroethene	4.07	96	417201	94.388	ug/l	96
13) Acrolein	3.92	56	150140	451.681	ug/l	94
14) Allyl chloride	4.71	41	704054	99.184	ug/l	98
15) Acrylonitrile	5.42	53	460976	483.609	ug/l	99
16) Acetone	4.15	43	419934	437.539	ug/l	99
17) Carbon Disulfide	4.41	76	1341495	96.586	ug/l	97
18) Methyl Acetate	4.71	43	200194	86.409	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	998063	101.375	ug/l	100
20) Methylene Chloride	4.96	84	490386	75.438	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	497072	96.525	ug/l	99
22) Diisopropyl ether	6.36	45	1418260	98.330	ug/l	98
23) Vinyl Acetate	6.30	43	4166479	519.316	ug/l	98
24) 1,1-Dichloroethane	6.27	63	874251	95.518	ug/l	98
25) 2-Butanone	7.21	43	590803	472.736	ug/l	97
26) 2,2-Dichloropropane	7.20	77	783027	92.516	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	540874	96.006	ug/l	96
28) Bromochloromethane	7.54	49	306818	89.748	ug/l	98
29) Tetrahydrofuran	7.56	42	372503	487.161	ug/l	97
30) Chloroform	7.71	83	906934	93.104	ug/l	96
31) Cyclohexane	7.98	56	779582	93.641	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	852557	95.645	ug/l	99
36) 1,1-Dichloropropene	8.11	75	718217	98.351	ug/l	99
37) Ethyl Acetate	7.29	43	268770	97.219	ug/l	97
38) Carbon Tetrachloride	8.10	117	769775	99.262	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	875264	104.785	ug/l	99
40) Benzene	8.35	78	1968675	99.646	ug/l	100
41) Methacrylonitrile	7.53	41	169770	126.835	ug/l #	84
42) 1,2-Dichloroethane	8.42	62	587236	95.941	ug/l	100
43) Isopropyl Acetate	8.45	43	518987	99.737	ug/l	99
44) Trichloroethene	9.11	130	528061	99.967	ug/l	100
45) 1,2-Dichloropropane	9.38	63	482209	98.729	ug/l	97
46) Dibromomethane	9.47	93	264510	98.556	ug/l	99
47) Bromodichloromethane	9.66	83	723138	98.879	ug/l	97
48) Methyl methacrylate	9.45	41	260587	98.454	ug/l	92
49) 1,4-Dioxane	9.46	88	56622	1969.491	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	1334508	498.142	ug/l	99
52) Toluene	10.40	92	1311313	103.609	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	666270	101.982	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	789602	101.755	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	343383	97.039	ug/l	97
56) Ethyl methacrylate	10.66	69	435939	108.561	ug/l	99
57) 1,3-Dichloropropane	10.94	76	602458	97.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	825398	468.010	ug/l	97
59) 2-Hexanone	10.98	43	904193	502.318	ug/l	97
60) Dibromochloromethane	11.14	129	462564	100.322	ug/l	97
61) 1,2-Dibromoethane	11.24	107	335371	98.800	ug/l	100
64) Tetrachloroethene	10.87	164	419237	96.572	ug/l	96
65) Chlorobenzene	11.67	112	1298940	98.653	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	496463	102.194	ug/l	97
67) Ethyl Benzene	11.74	91	2510044	105.247	ug/l	100
68) m/p-Xylenes	11.85	106	1910178	211.918	ug/l	98
69) o-Xylene	12.18	106	867245	108.876	ug/l	97
70) Styrene	12.20	104	1525797	108.833	ug/l	99
71) Bromoform	12.36	173	244930	100.462	ug/l #	99
73) Isopropylbenzene	12.48	105	2405139	106.572	ug/l	100
74) N-amyl acetate	12.29	43	486927	102.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	366220	95.497	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	500648	195.675	ug/l #	100
77) Bromobenzene	12.76	156	513507	98.722	ug/l	98
78) n-propylbenzene	12.82	91	2890700	105.075	ug/l	99
79) 2-Chlorotoluene	12.91	91	1594953	102.530	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	2036574	106.728	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	119786	99.905	ug/l	99
82) 4-Chlorotoluene	13.01	91	1666127	101.294	ug/l	100
83) tert-Butylbenzene	13.23	119	1690057	107.459	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	2035822	106.756	ug/l	100
85) sec-Butylbenzene	13.40	105	2398282	106.367	ug/l	100
86) p-Isopropyltoluene	13.52	119	2216222	108.117	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	1012512	101.461	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	980650	98.683	ug/l	98
89) n-Butylbenzene	13.84	91	2092779	107.370	ug/l	99
90) Hexachloroethane	14.11	117	423137	100.485	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	859256	100.488	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	58008	93.575	ug/l	93

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:17:06 2020
Response via : Initial Calibration

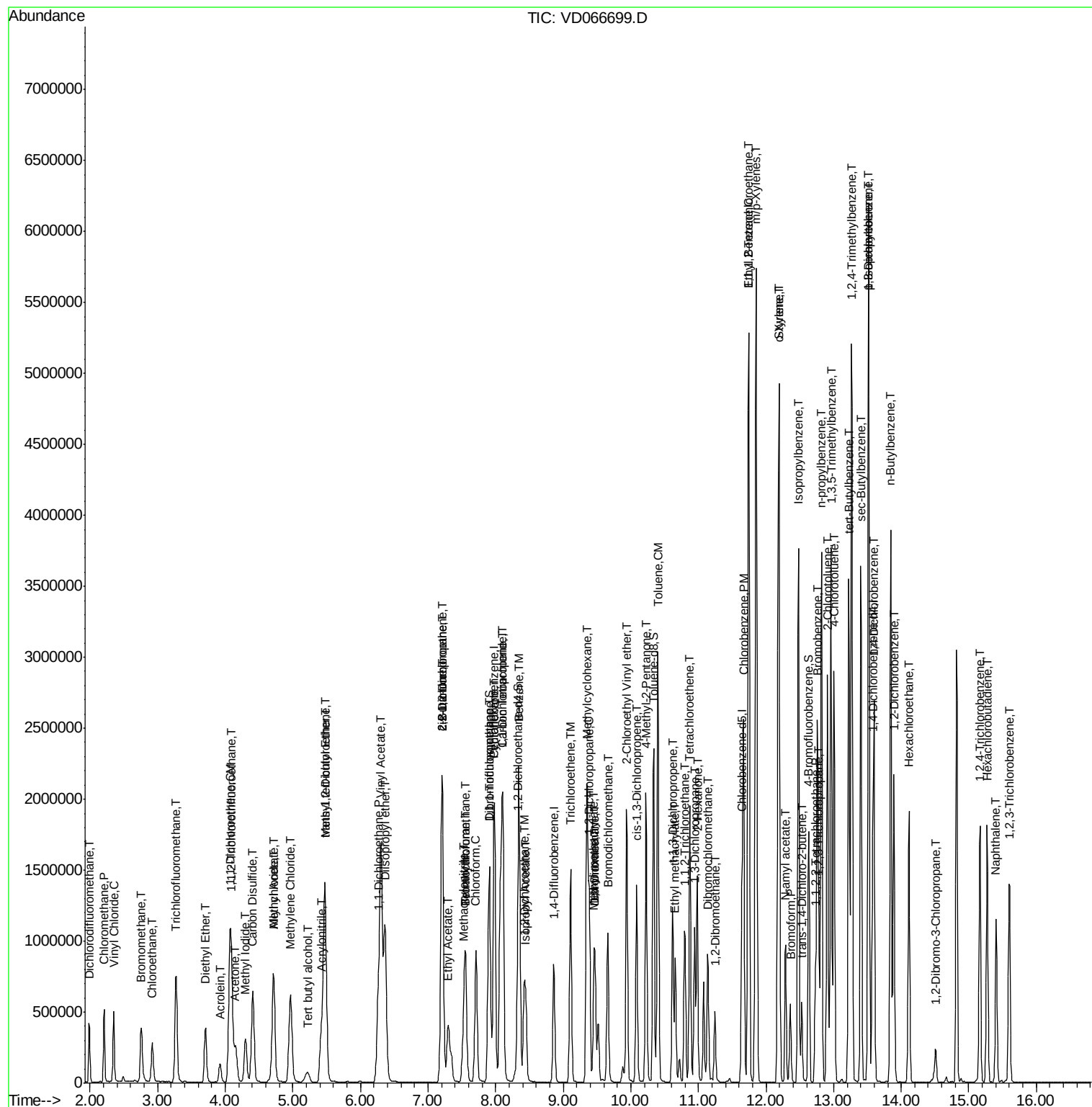
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	541021	104.611	ug/l	98
94) Hexachlorobutadiene	15.27	225	314450	100.917	ug/l	99
95) Naphthalene	15.40	128	989997	109.561	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	461508	102.164	ug/l	98

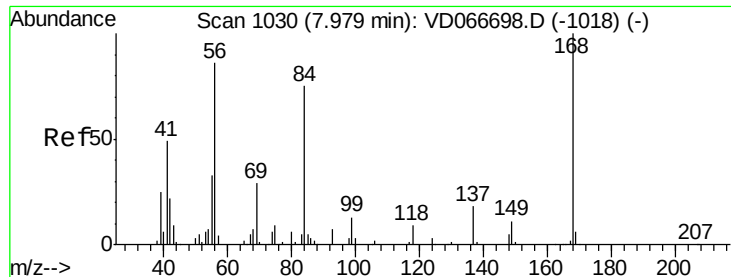
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VSTDICC100
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

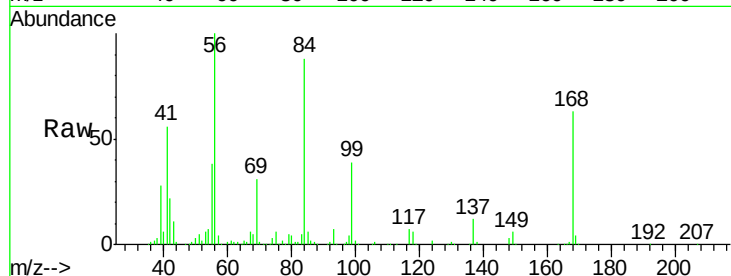
VSTDIC100

Tgt Ion:168 Resp: 441737

Ion Ratio Lower Upper

168 100

99 61.0 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

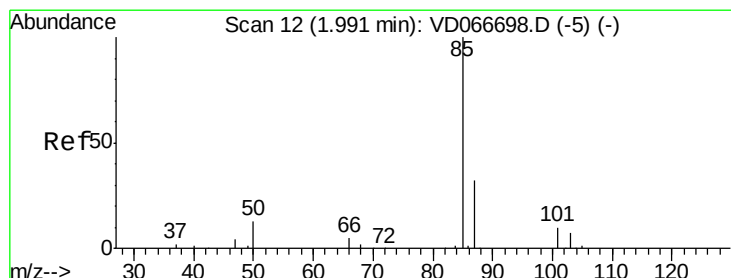
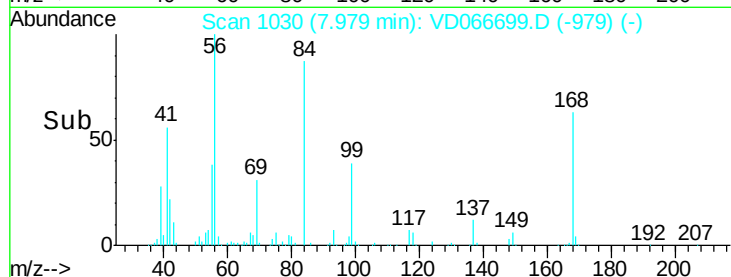
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 85.412 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066699.D

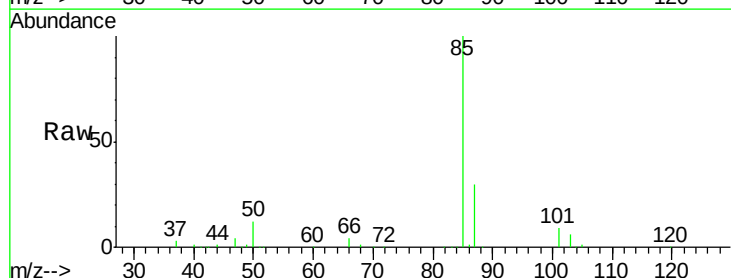
Acq: 15 Sep 2020 15:16

Tgt Ion: 85 Resp: 315386

Ion Ratio Lower Upper

85 100

87 30.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

250000

200000

150000

100000

50000

0

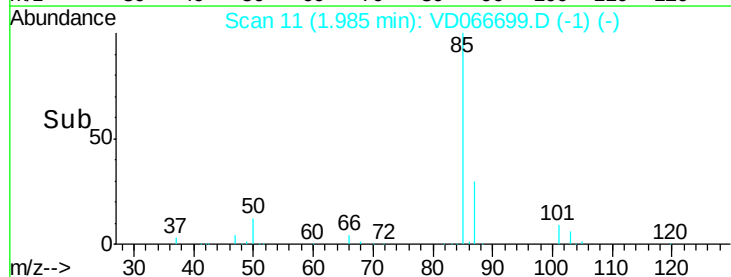
1.90

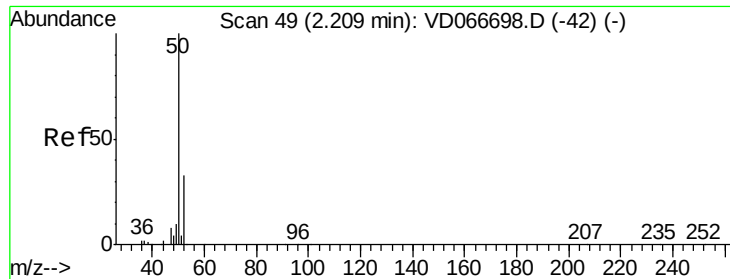
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 88.113 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

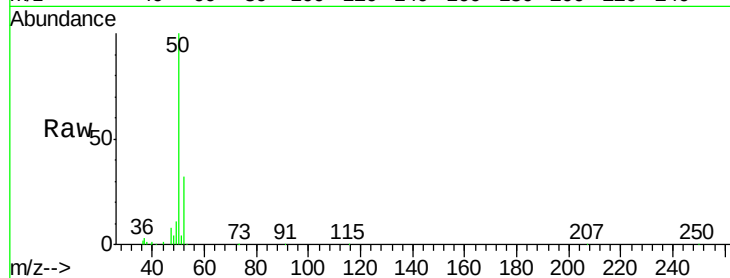
VSTDIC100

Tgt Ion: 50 Resp: 423558

Ion Ratio Lower Upper

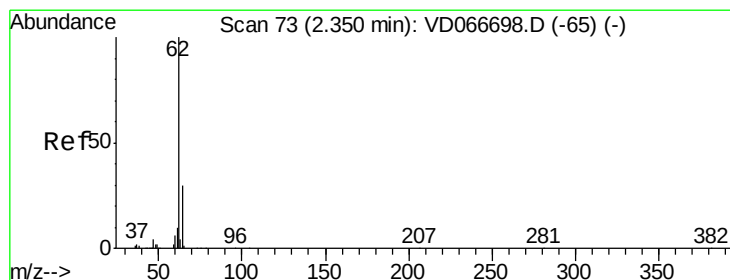
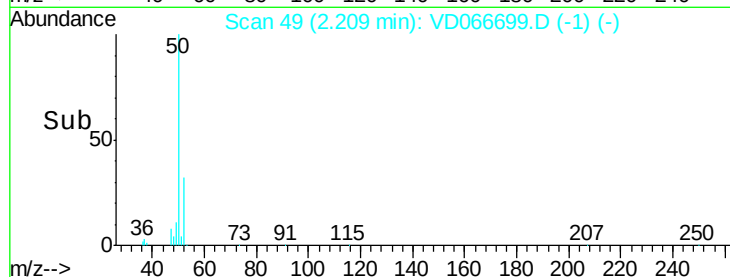
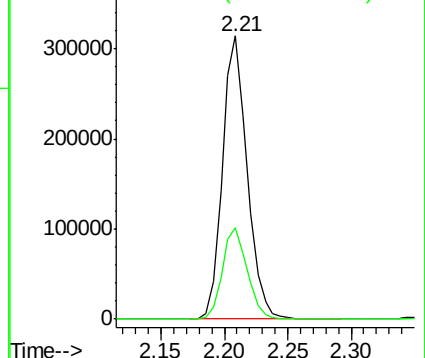
50 100

52 32.1 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 89.449 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066699.D

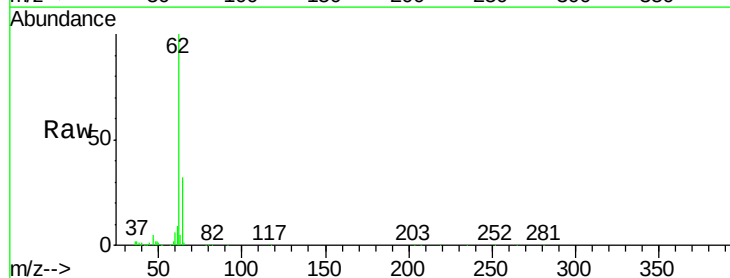
Acq: 15 Sep 2020 15:16

Tgt Ion: 62 Resp: 450008

Ion Ratio Lower Upper

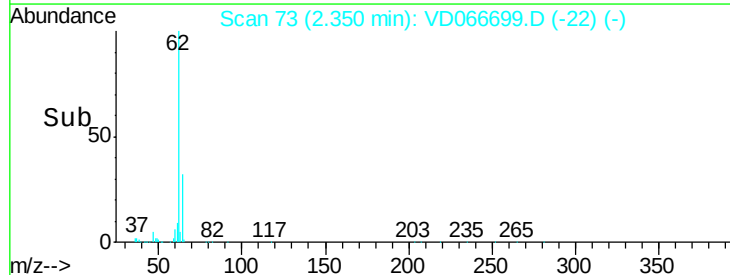
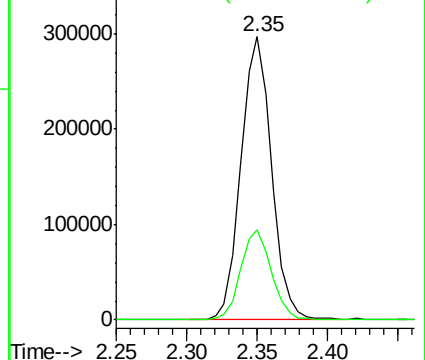
62 100

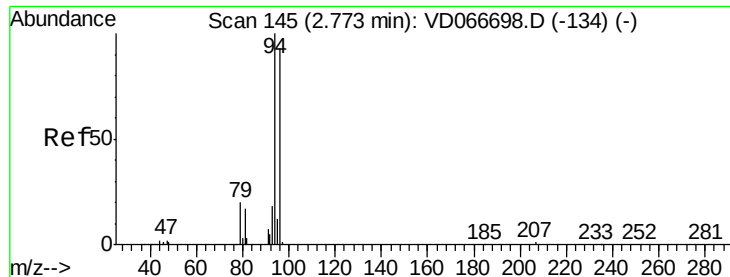
64 32.0 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 86.199 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

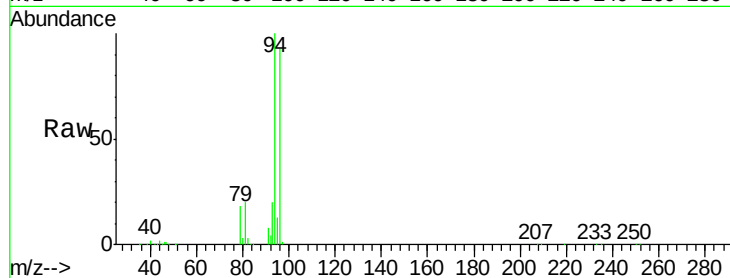
VSTDIC100

Tgt Ion: 94 Resp: 307628

Ion Ratio Lower Upper

94 100

96 93.4 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

150000

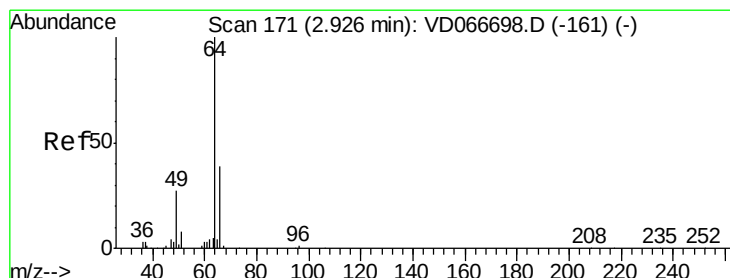
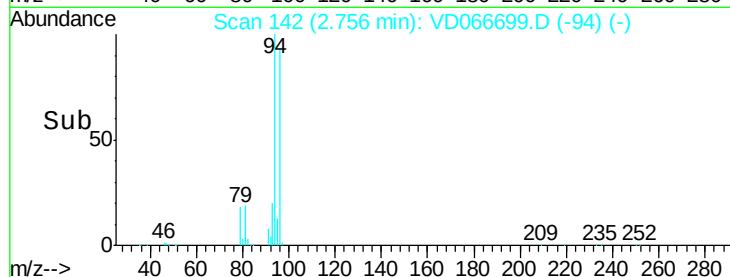
100000

50000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 92.142 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066699.D

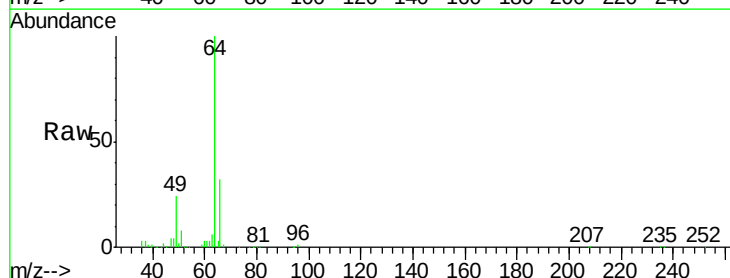
Acq: 15 Sep 2020 15:16

Tgt Ion: 64 Resp: 288781

Ion Ratio Lower Upper

64 100

66 31.9 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

150000

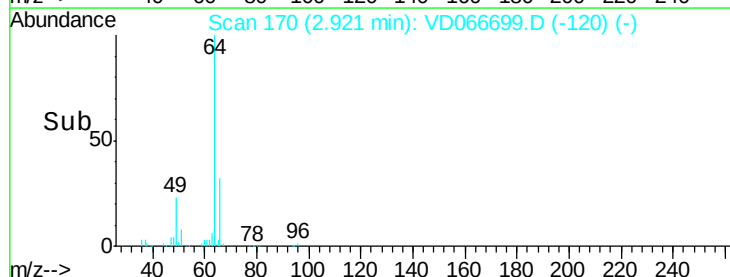
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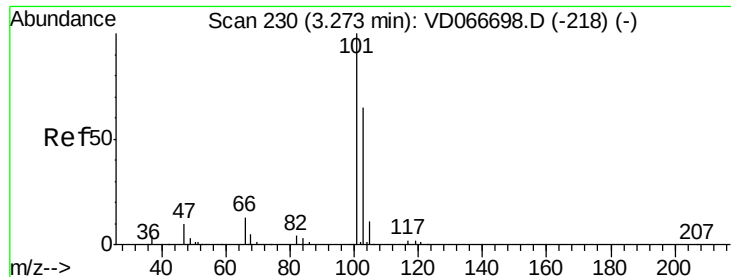
50000

0

Time-->

2.80 2.90 3.00



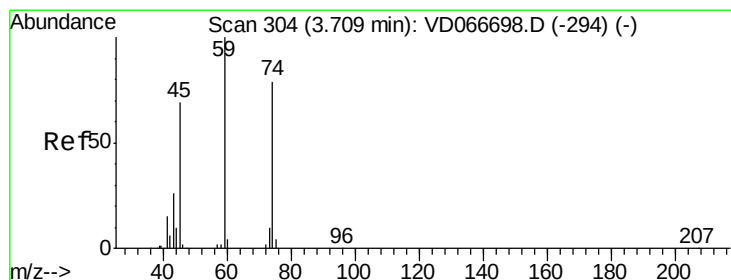
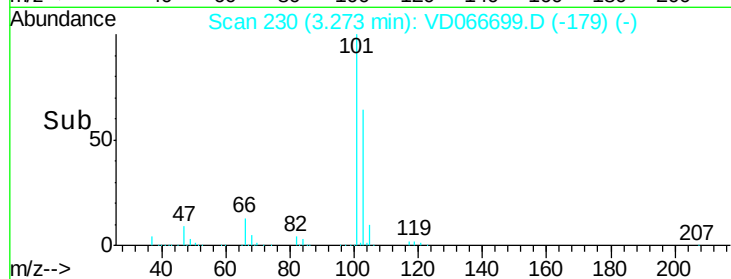
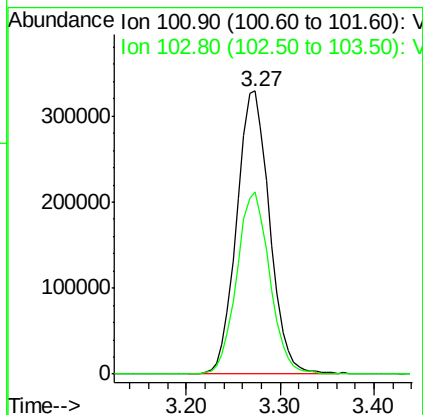
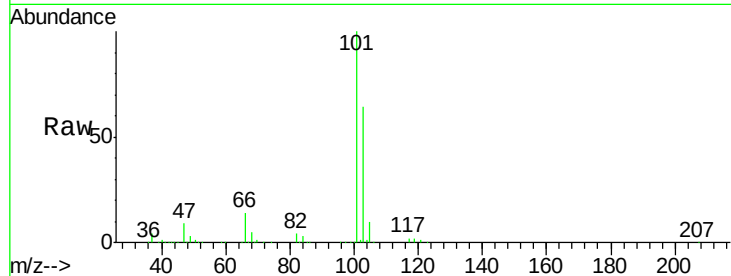


#7

Trichlorofluoromethane
Concen: 92.112 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

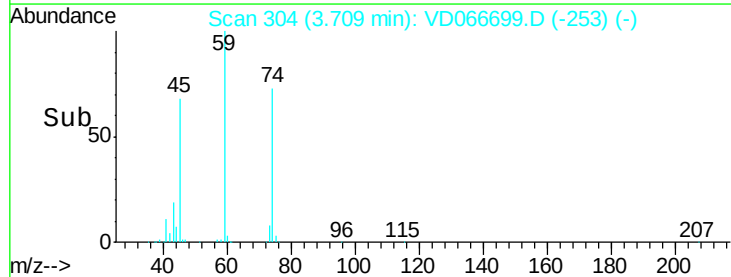
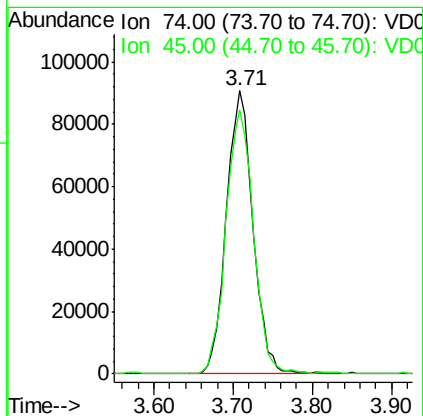
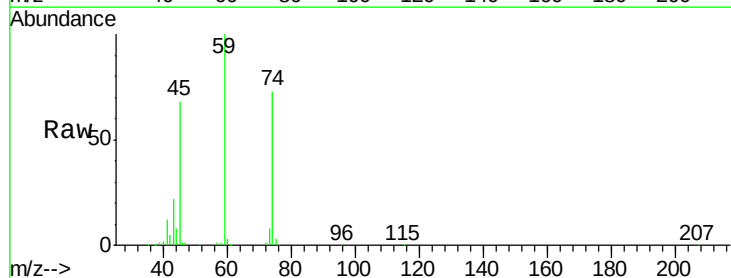
Tgt Ion: 101 Resp: 800413
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8

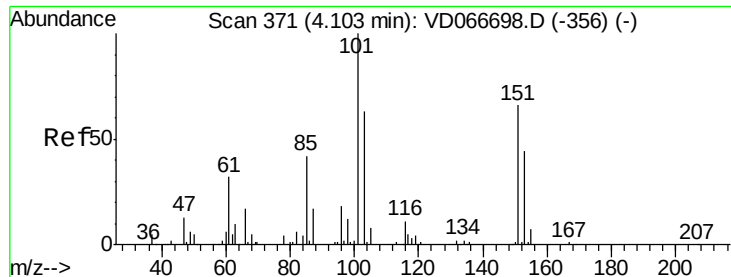


#8

Diethyl Ether
Concen: 97.036 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 74 Resp: 211144
Ion Ratio Lower Upper
74 100
45 95.9 48.0 144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.536 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

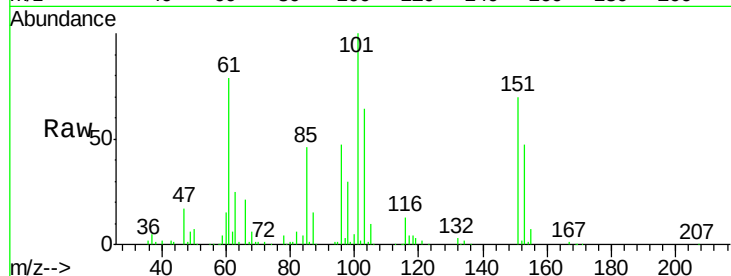
Tgt Ion:101 Resp: 437130

Ion Ratio Lower Upper

101 100

85 46.3 36.3 54.5

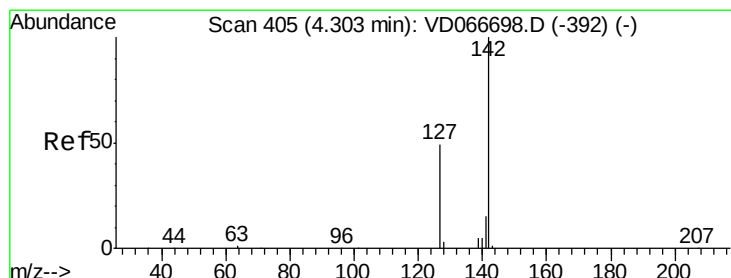
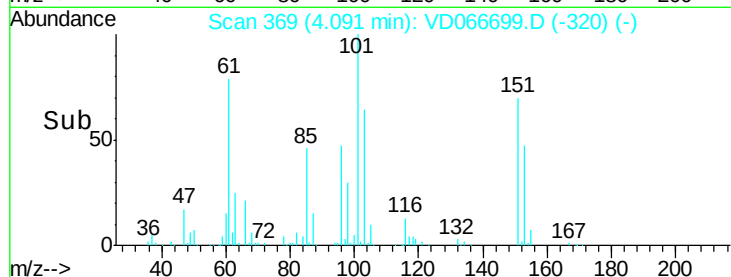
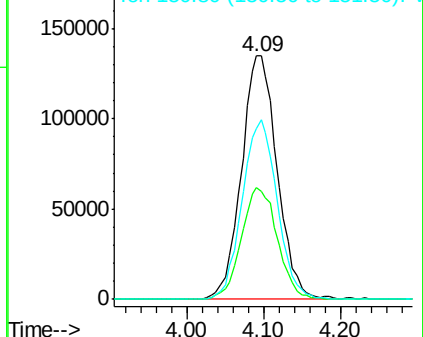
151 72.6 58.0 87.0



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: 110.178 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

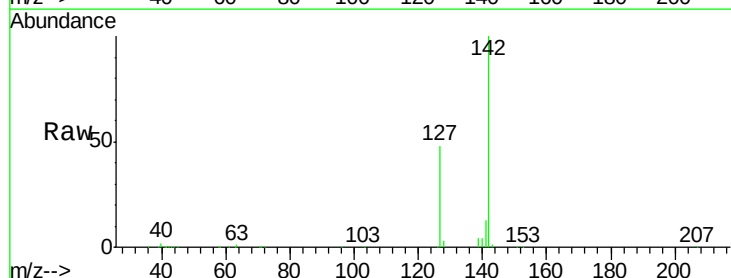
Tgt Ion:142 Resp: 499215

Ion Ratio Lower Upper

142 100

127 49.5 39.0 58.4

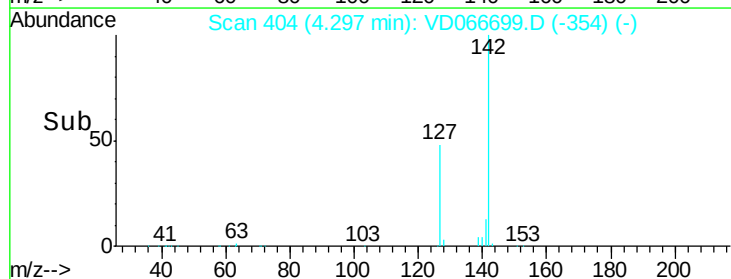
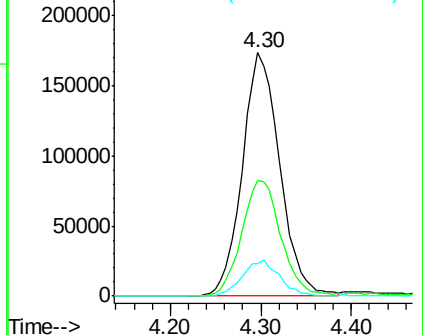
141 14.6 11.7 17.5

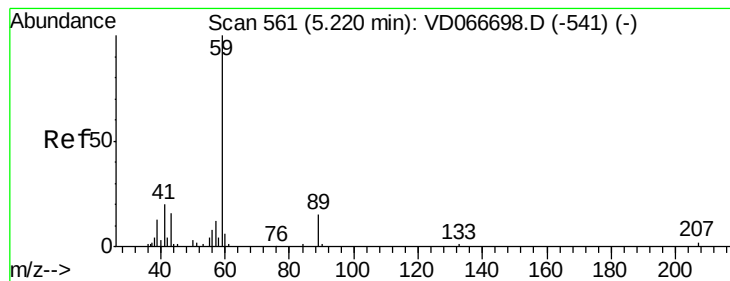


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 285.123 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

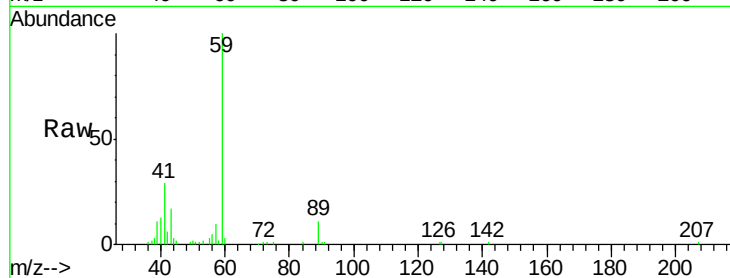
VSTDIC100

Tgt Ion: 59 Resp: 135577

Ion Ratio Lower Upper

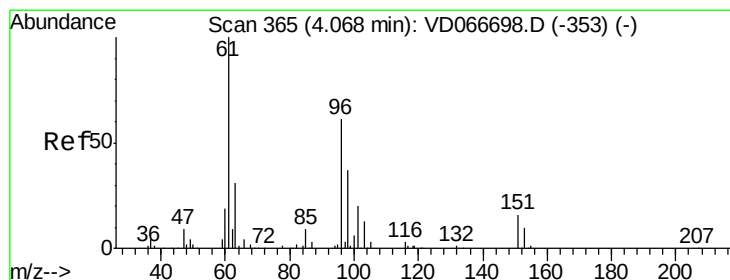
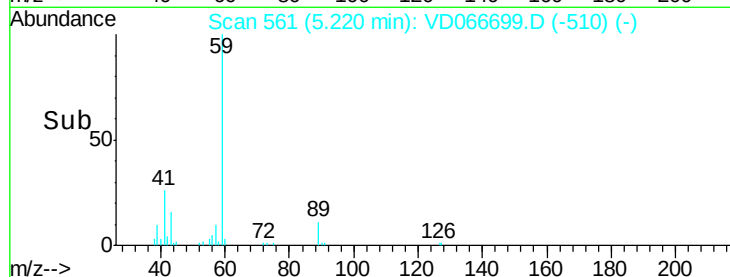
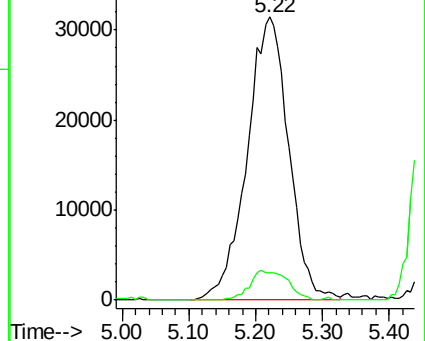
59 100

57 9.5 6.7 10.1



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 94.388 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

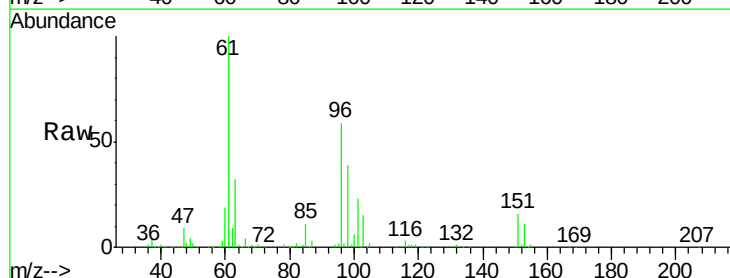
Tgt Ion: 96 Resp: 417201

Ion Ratio Lower Upper

96 100

61 169.1 131.9 197.9

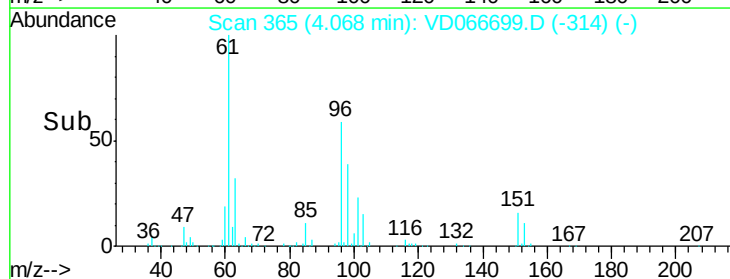
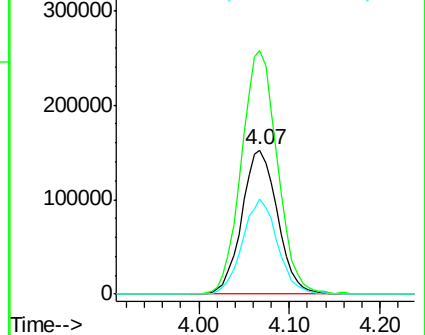
98 65.7 49.1 73.7

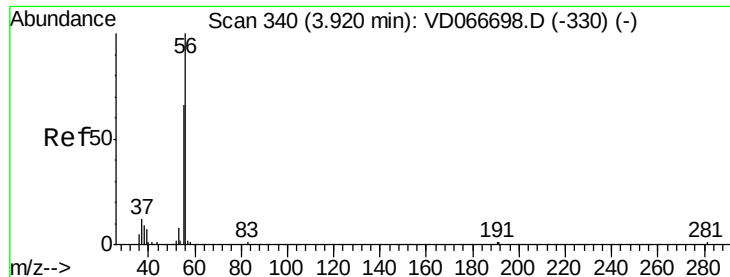


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 451.681 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

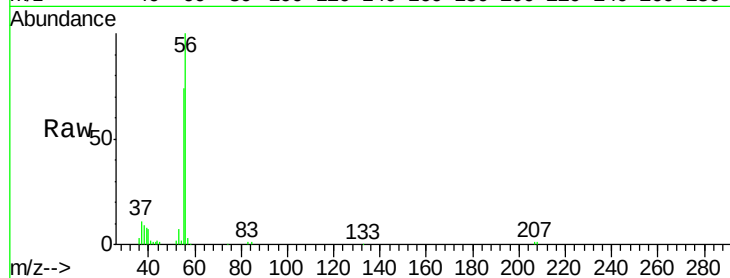
VSTDIC100

Tgt Ion: 56 Resp: 150140

Ion Ratio Lower Upper

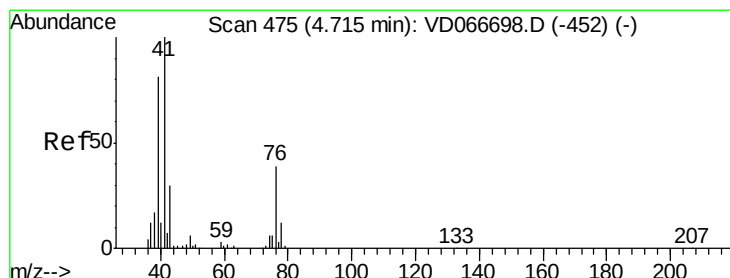
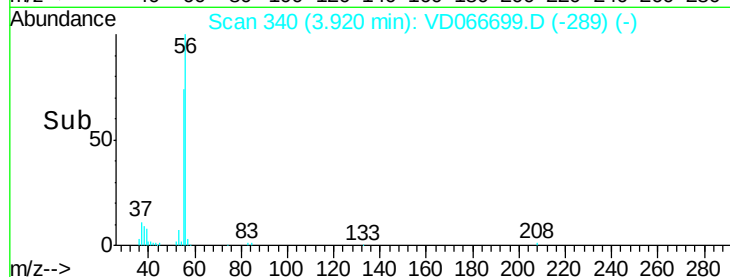
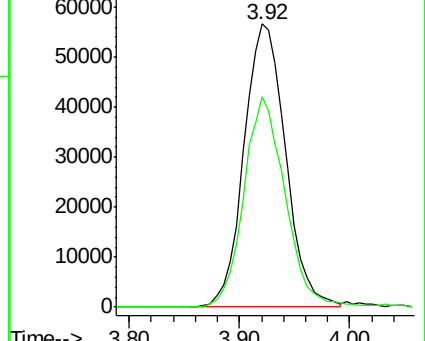
56 100

55 73.1 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 99.184 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

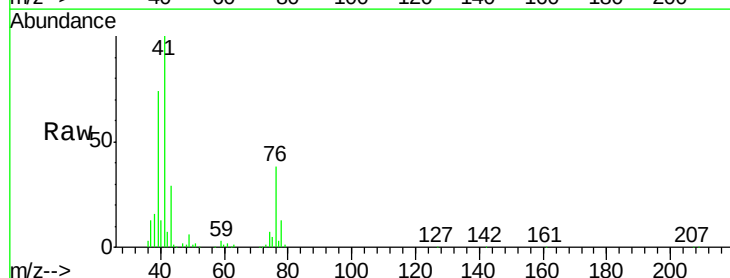
Tgt Ion: 41 Resp: 704054

Ion Ratio Lower Upper

41 100

39 74.0 60.6 90.8

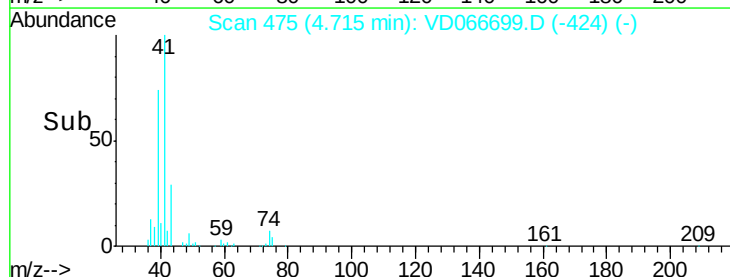
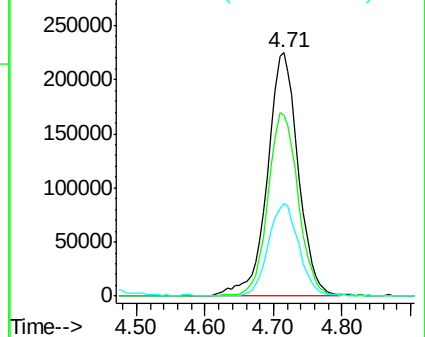
76 37.0 29.2 43.8

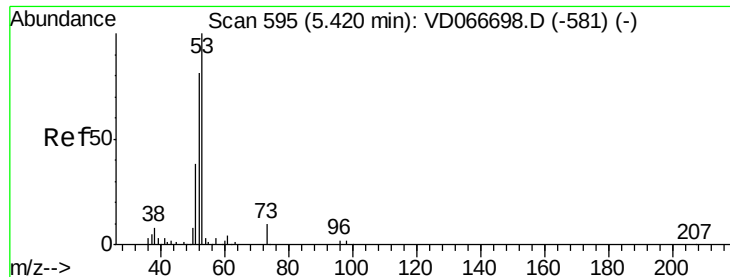


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 483.609 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

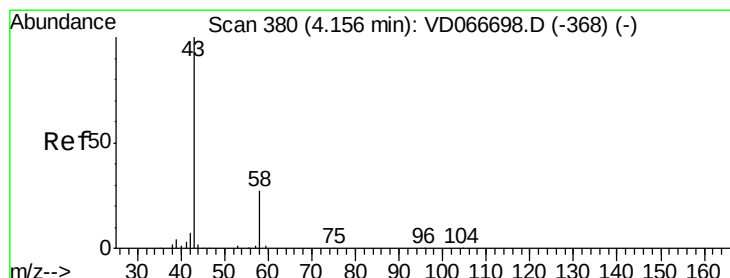
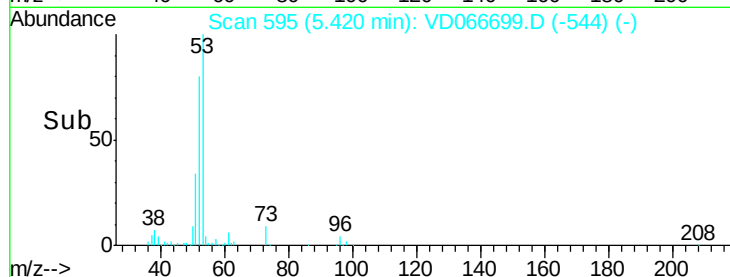
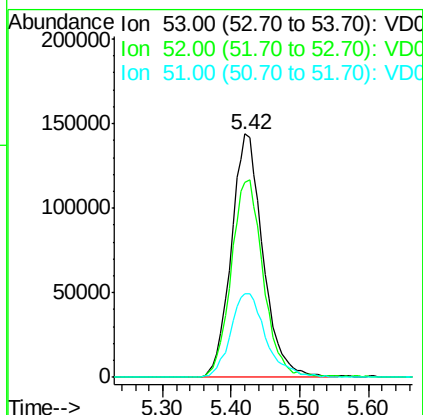
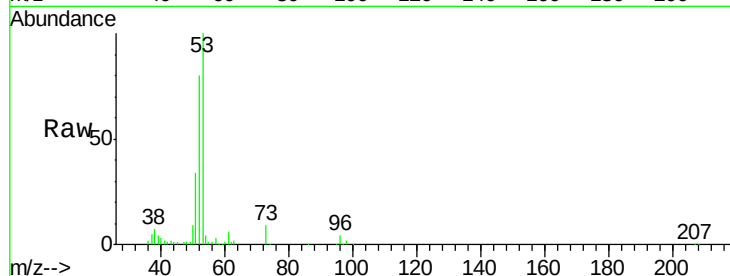
Tgt Ion: 53 Resp: 460976

Ion Ratio Lower Upper

53 100

52 82.1 66.6 99.8

51 38.5 31.0 46.6



#16

Acetone

Concen: 437.539 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066699.D

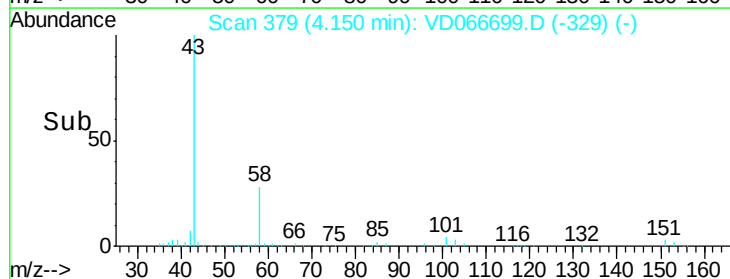
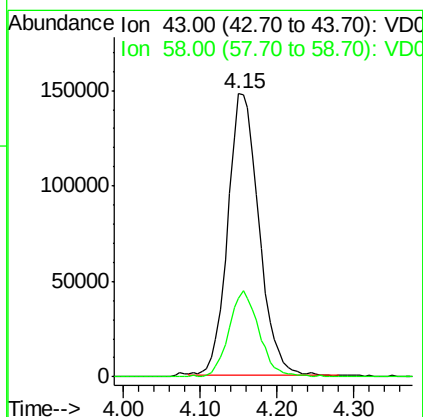
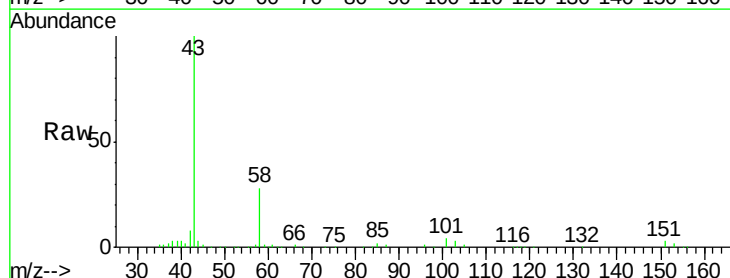
Acq: 15 Sep 2020 15:16

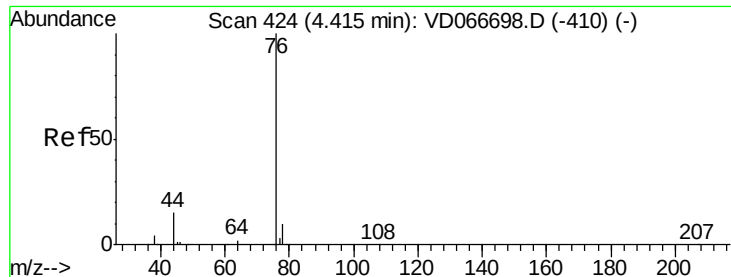
Tgt Ion: 43 Resp: 419934

Ion Ratio Lower Upper

43 100

58 27.7 21.9 32.9

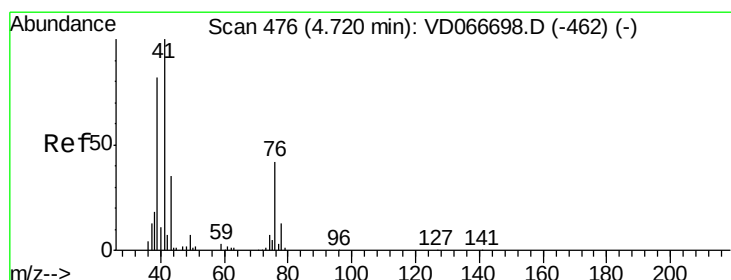
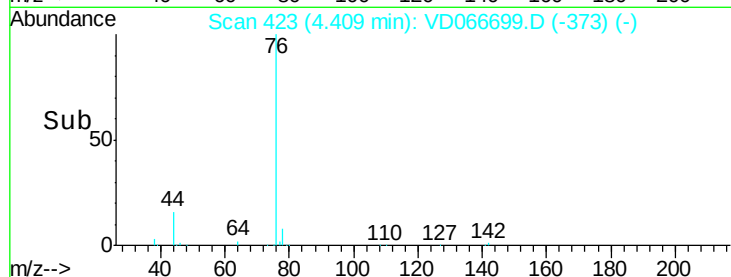
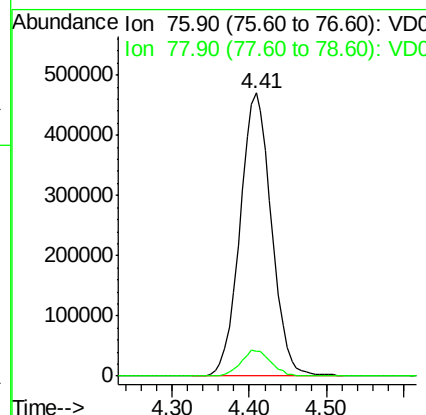
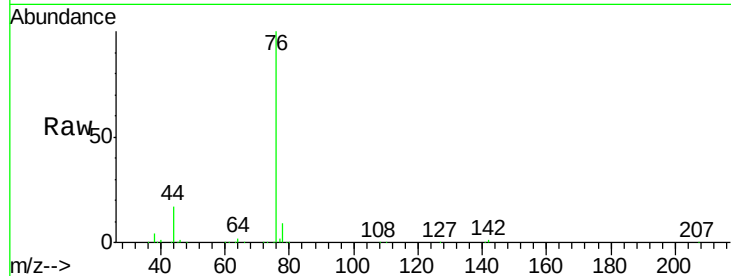




#17
Carbon Disulfide
Concen: 96.586 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

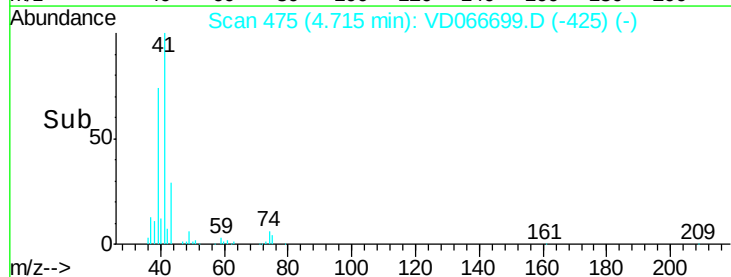
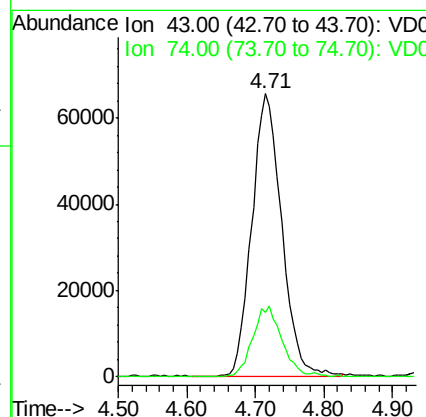
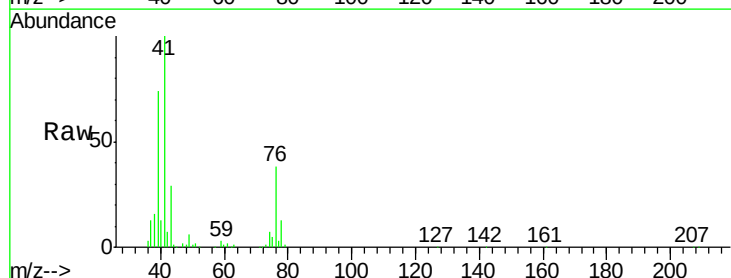
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

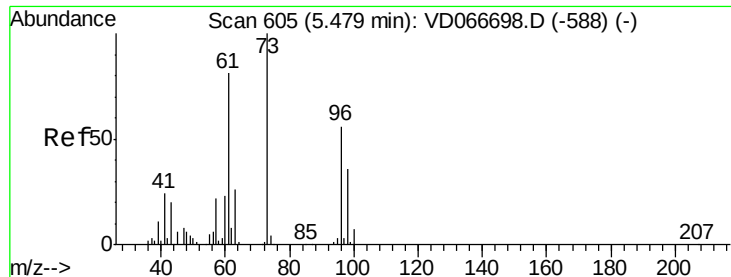
Tgt Ion: 76 Resp: 1341495
Ion Ratio Lower Upper
76 100
78 9.0 8.0 12.0



#18
Methyl Acetate
Concen: 86.409 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 43 Resp: 200194
Ion Ratio Lower Upper
43 100
74 24.4 18.6 28.0

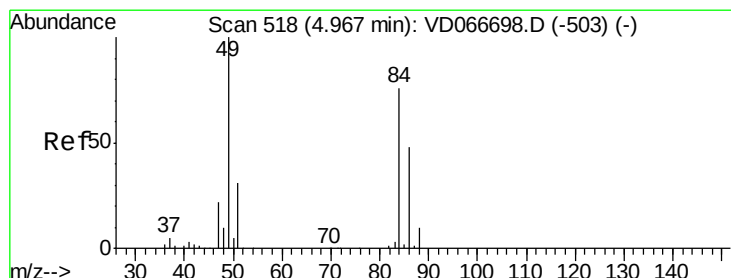
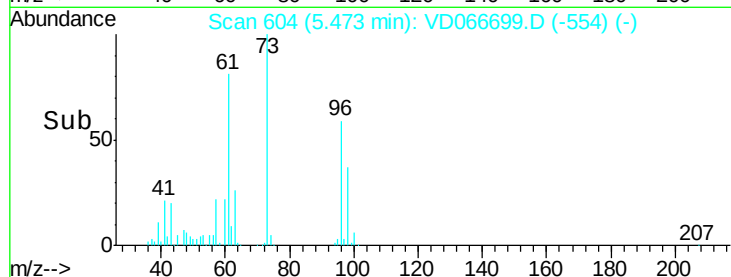
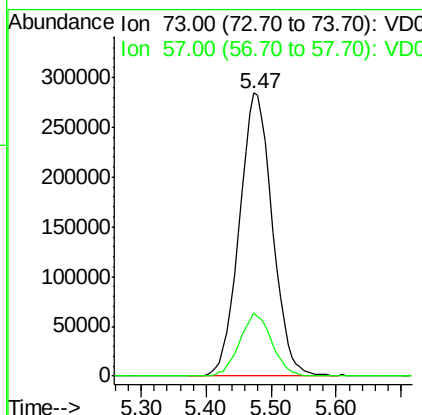
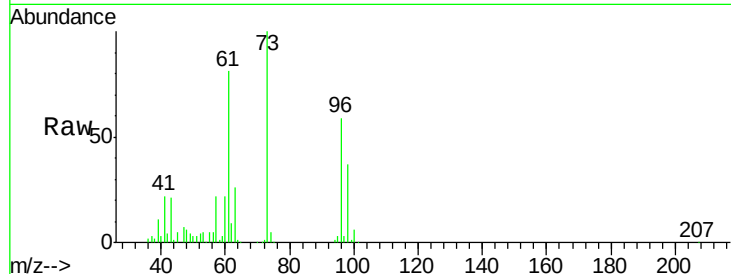




#19
Methyl tert-butyl Ether
Concen: 101.375 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

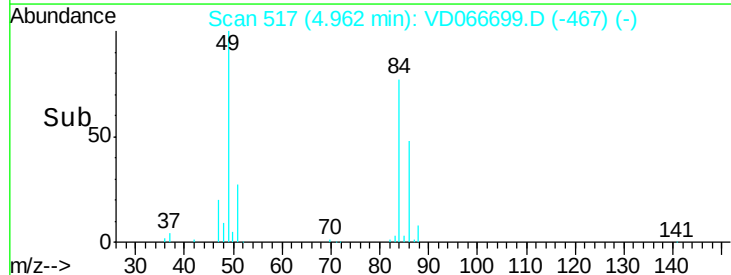
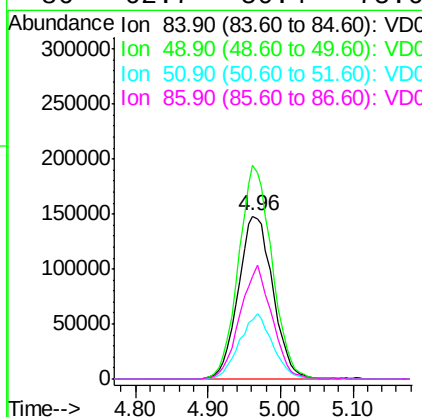
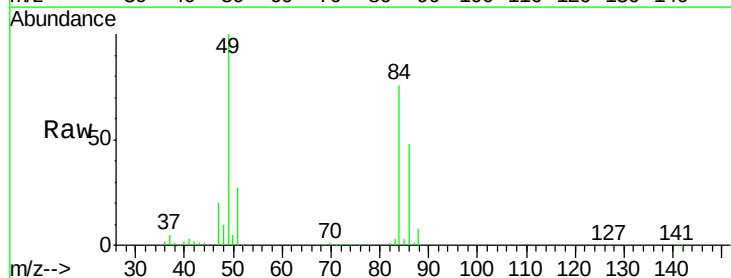
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

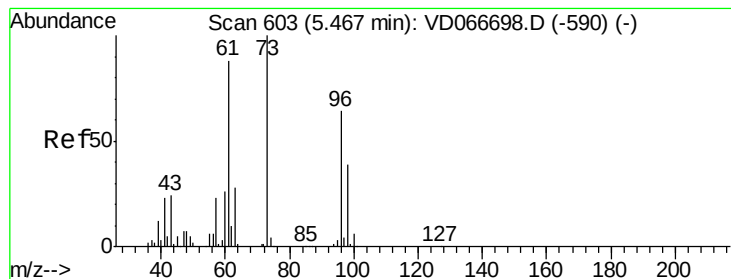
Tgt Ion: 73 Resp: 998063
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.6



#20
Methylene Chloride
Concen: 75.438 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 84 Resp: 490386
Ion Ratio Lower Upper
84 100
49 130.9 105.0 157.6
51 35.9 32.2 48.4
86 62.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 96.525 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

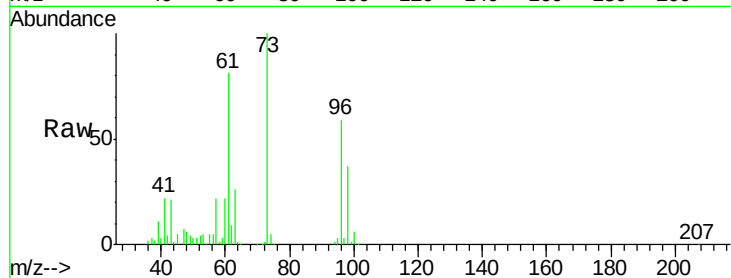
Tgt Ion: 96 Resp: 497072

Ion Ratio Lower Upper

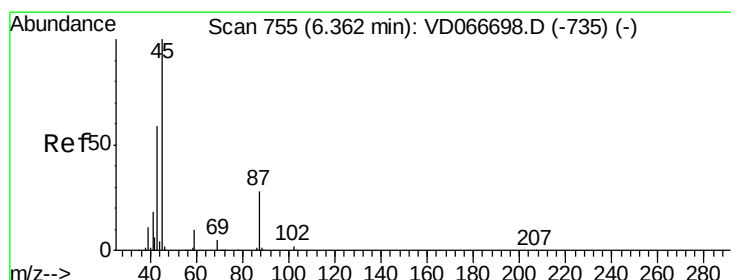
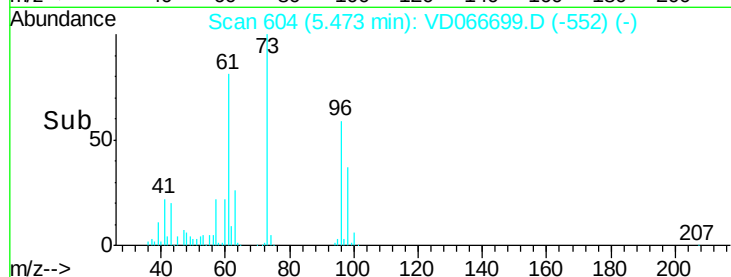
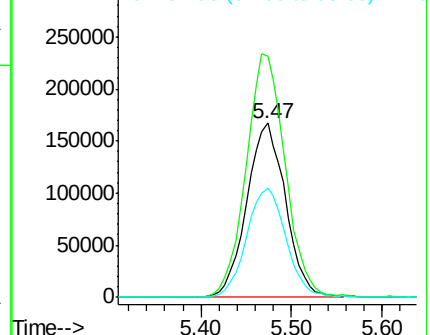
96 100

61 138.5 110.6 166.0

98 62.5 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: 98.330 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Tgt Ion: 45 Resp: 1418260

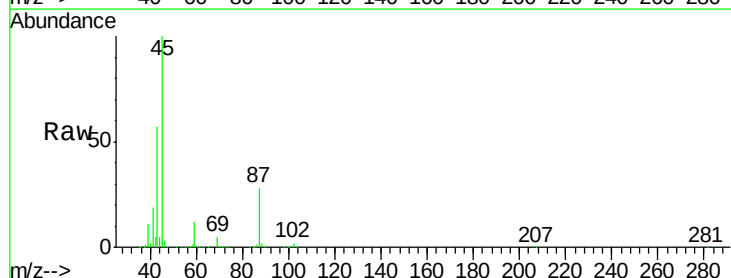
Ion Ratio Lower Upper

45 100

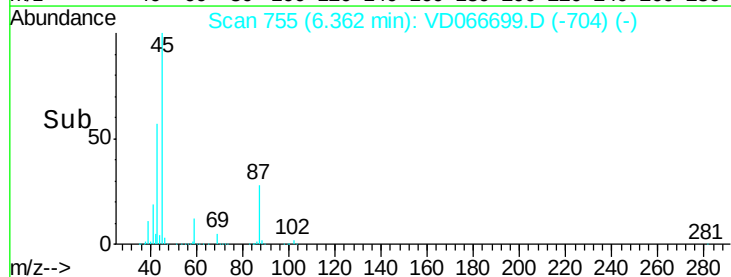
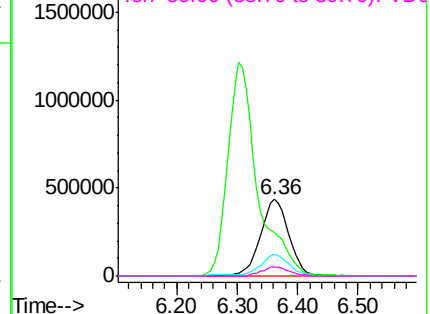
43 57.0 46.9 70.3

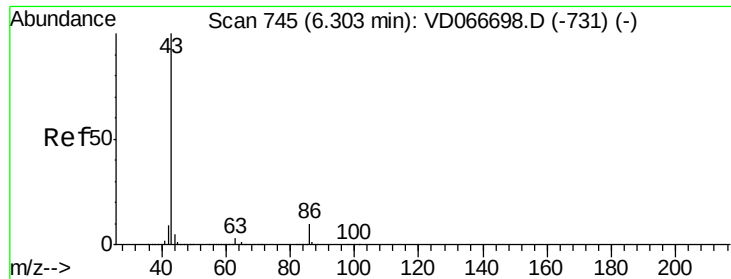
87 27.9 22.4 33.6

59 11.6 8.5 12.7



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: 519.316 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

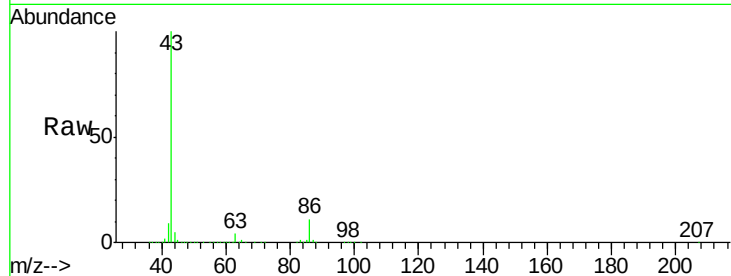
VSTDIC100

Tgt Ion: 43 Resp: 4166479

Ion Ratio Lower Upper

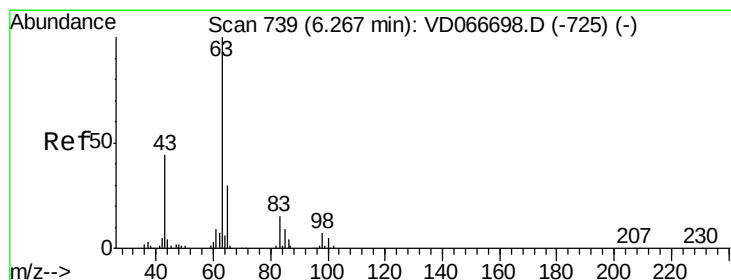
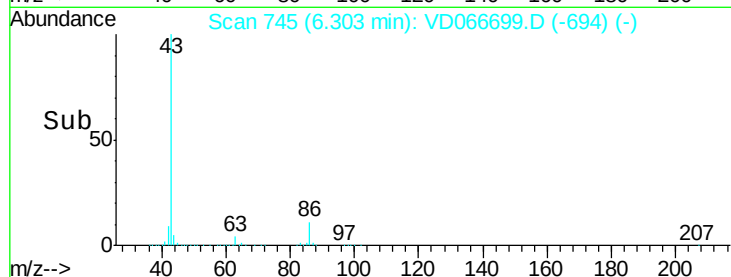
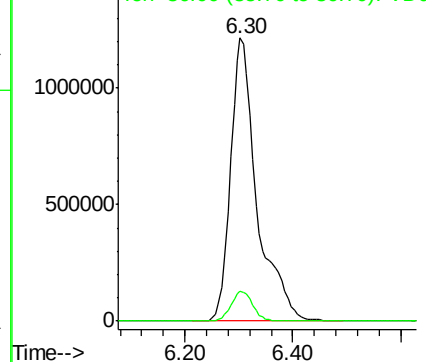
43 100

86 10.7 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 95.518 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

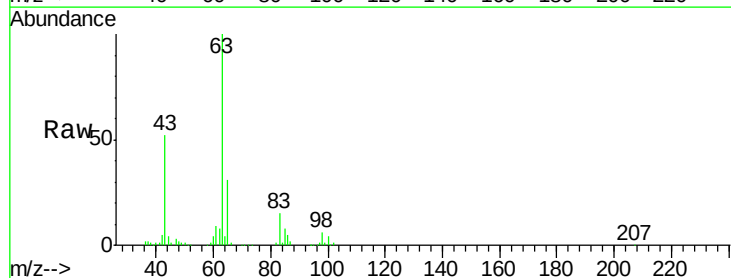
Tgt Ion: 63 Resp: 874251

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

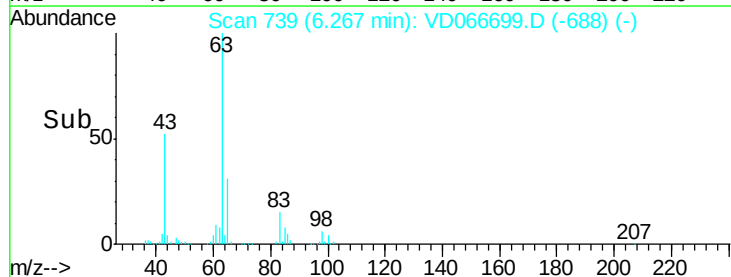
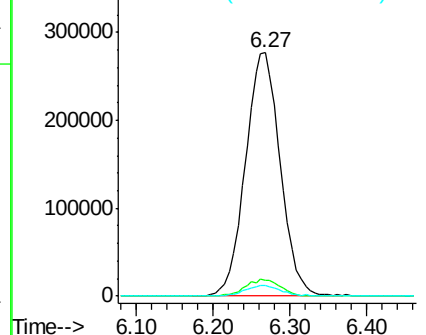
100 4.4 2.6 8.0

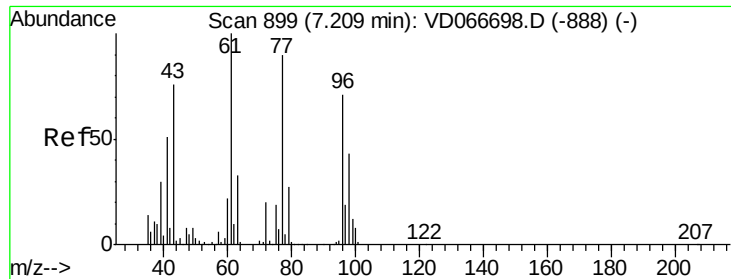


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 472.736 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

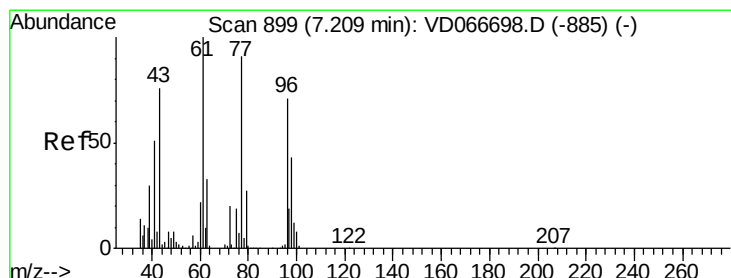
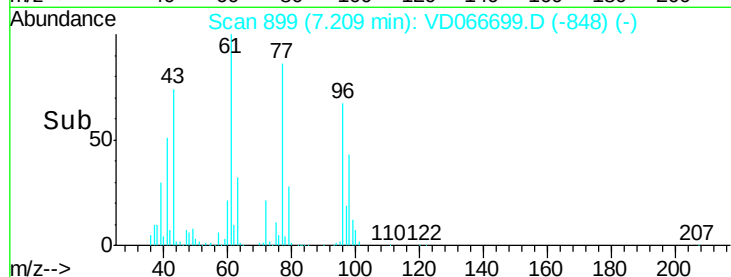
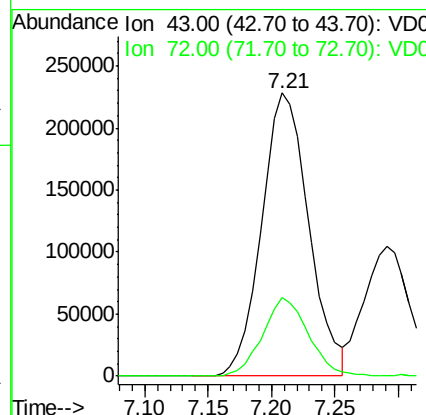
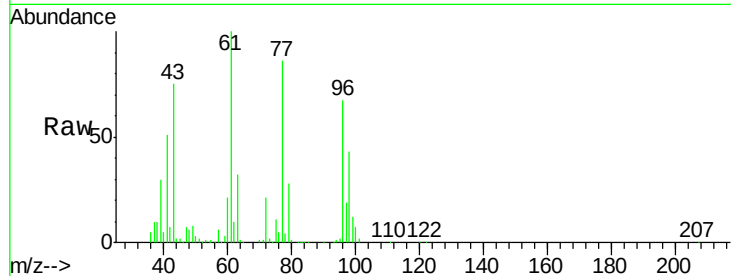
VSTDIC100

Tgt Ion: 43 Resp: 590803

Ion Ratio Lower Upper

43 100

72 27.6 21.0 31.4



#26

2,2-Dichloropropane

Concen: 92.516 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066699.D

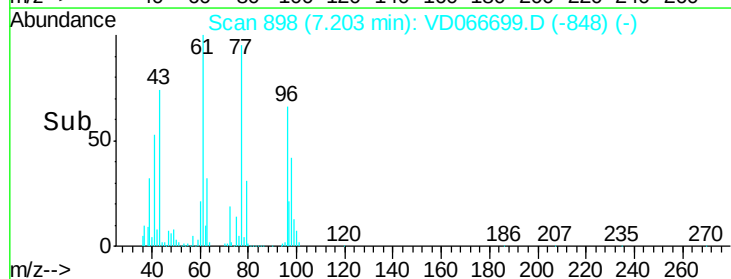
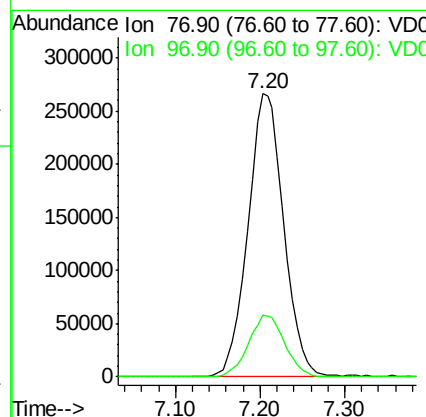
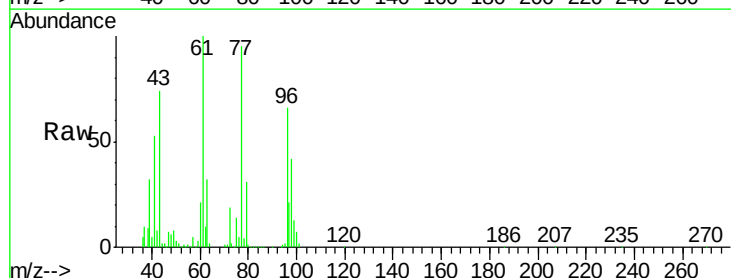
Acq: 15 Sep 2020 15:16

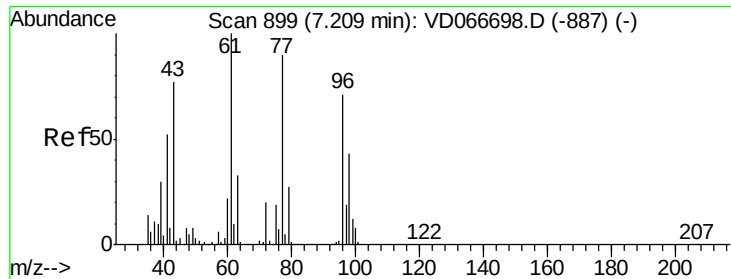
Tgt Ion: 77 Resp: 783027

Ion Ratio Lower Upper

77 100

97 22.0 10.6 31.8

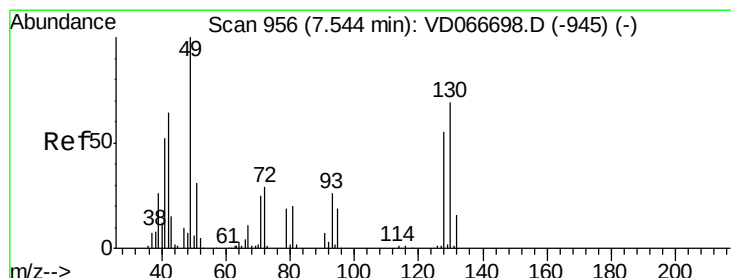
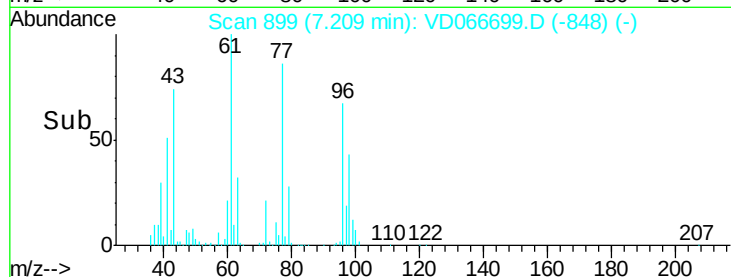
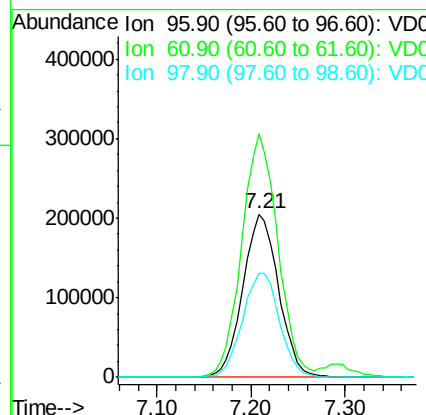
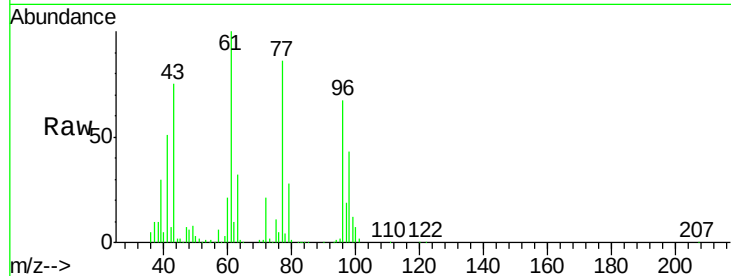




#27
 cis-1,2-Dichloroethene
 Concen: 96.006 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

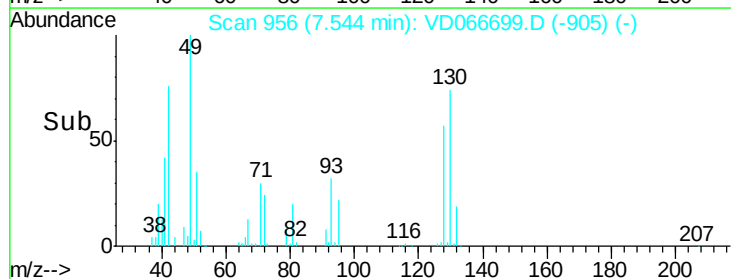
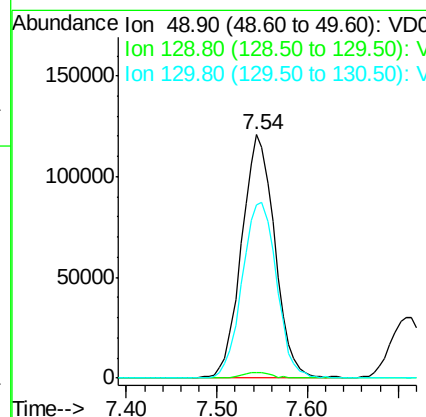
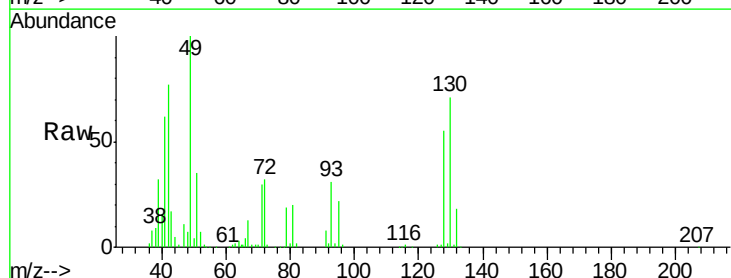
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

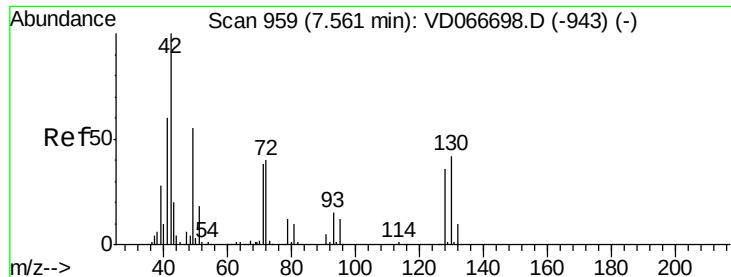
Tgt Ion: 96 Resp: 540874
 Ion Ratio Lower Upper
 96 100
 61 150.8 0.0 292.4
 98 66.2 0.0 127.0



#28
 Bromochloromethane
 Concen: 89.748 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion: 49 Resp: 306818
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 75.1 58.6 88.0

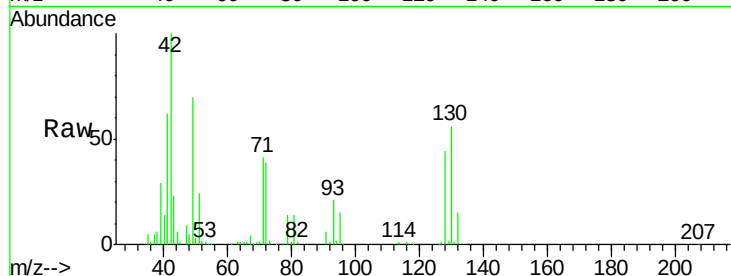




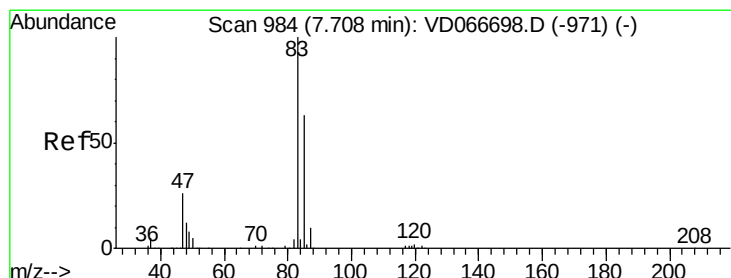
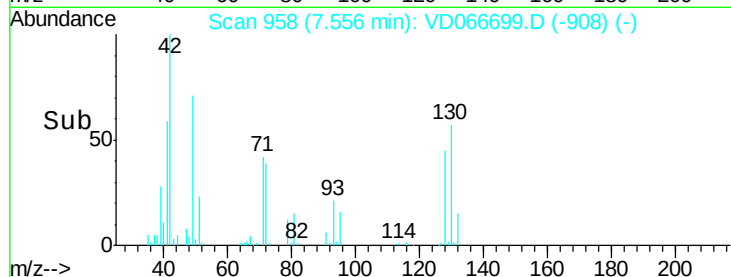
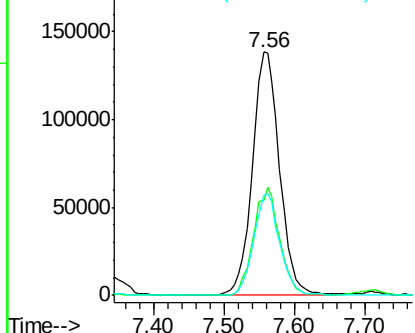
#29
Tetrahydrofuran
Concen: 487.161 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 372503
Ion Ratio Lower Upper
42 100
72 42.8 32.6 48.8
71 40.1 30.6 45.8

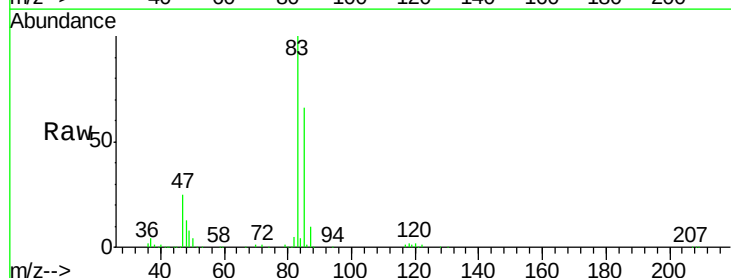


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

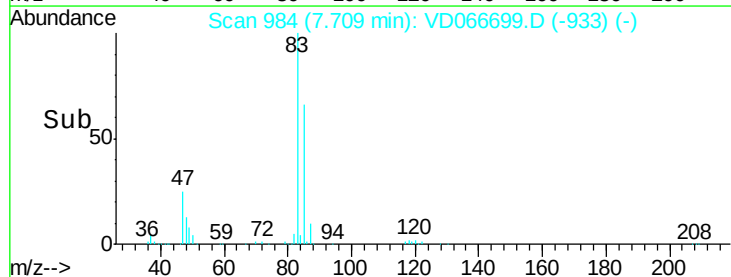
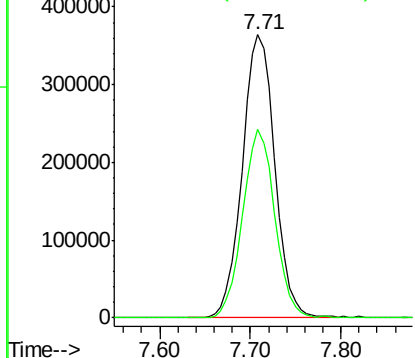


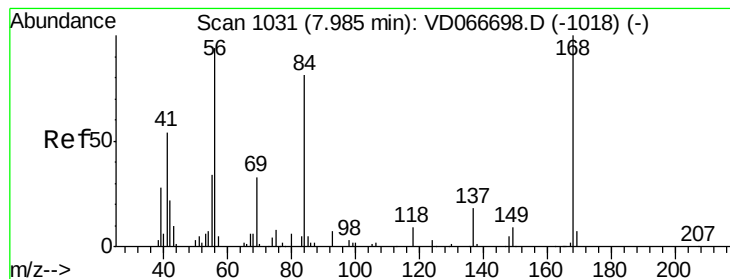
#30
Chloroform
Concen: 93.104 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 83 Resp: 906934
Ion Ratio Lower Upper
83 100
85 66.4 50.6 76.0



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





#31

Cyclohexane

Concen: 93.641 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

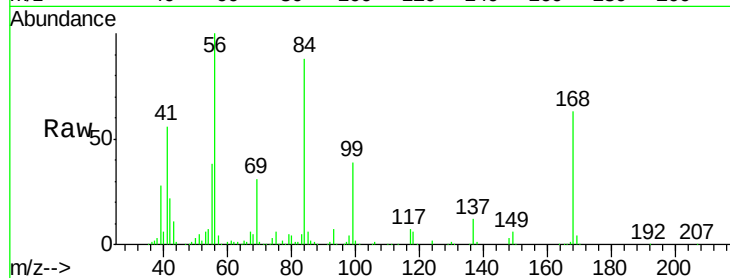
Tgt Ion: 56 Resp: 779582

Ion Ratio Lower Upper

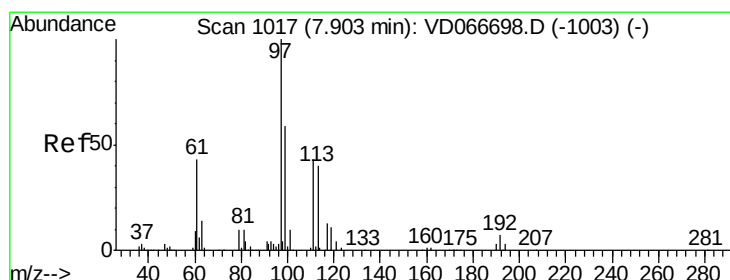
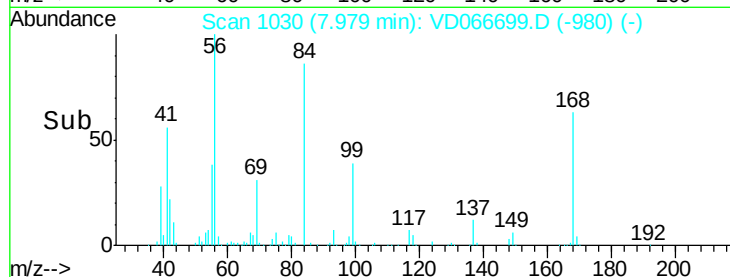
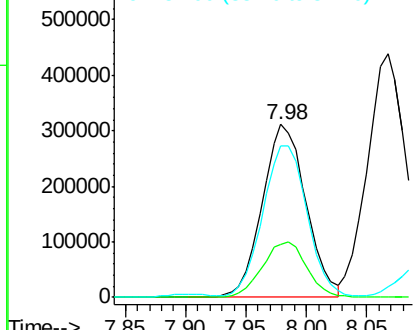
56 100

69 30.6 27.7 41.5

84 86.1 68.5 102.7



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: 95.645 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

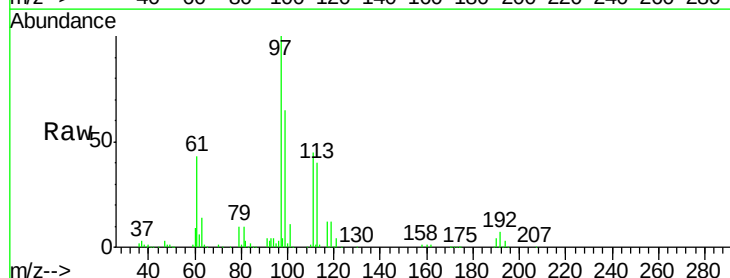
Tgt Ion: 97 Resp: 852557

Ion Ratio Lower Upper

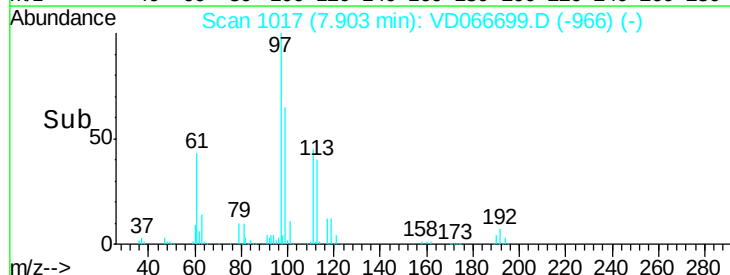
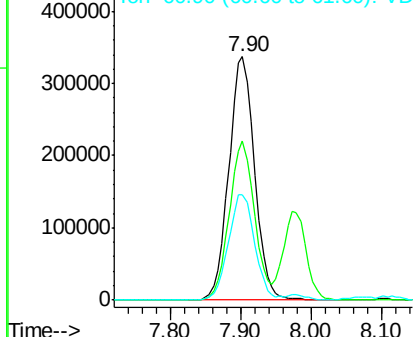
97 100

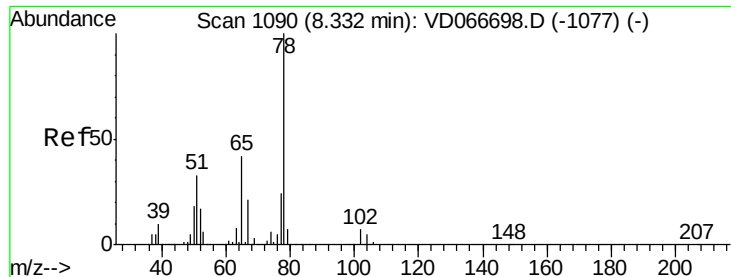
99 64.2 51.0 76.4

61 44.5 35.2 52.8



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

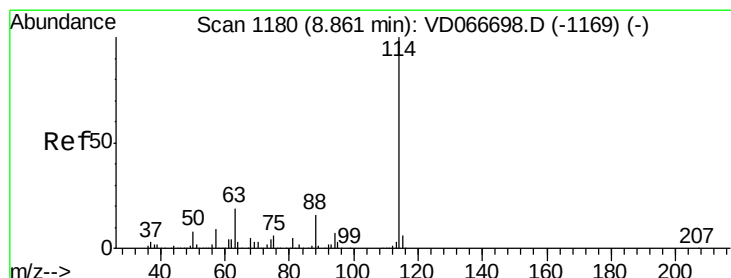
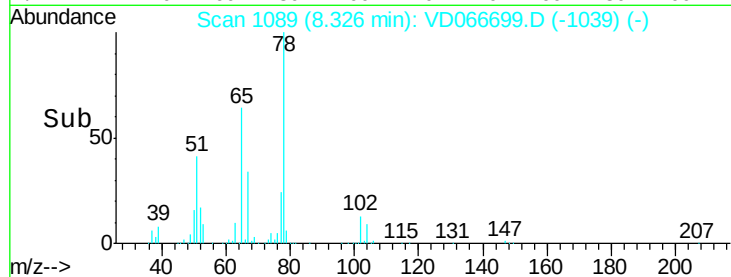
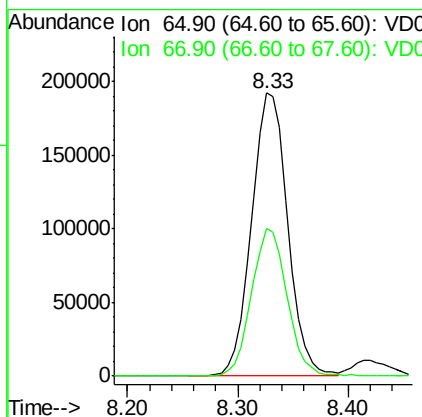
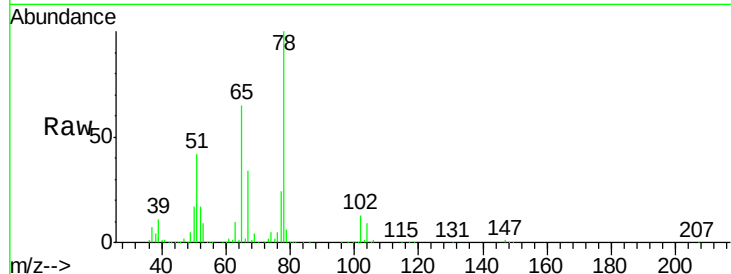




#33
 1,2-Dichloroethane-d4
 Concen: 93.672 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

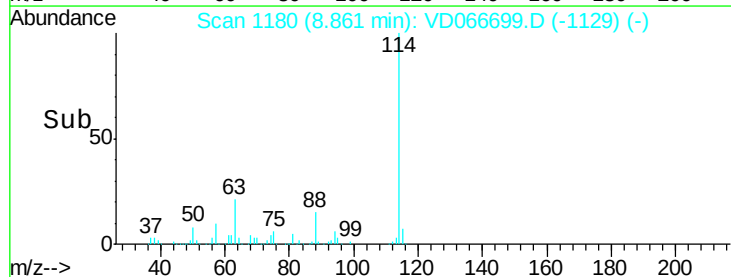
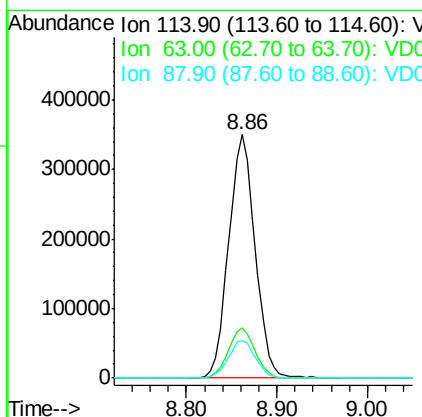
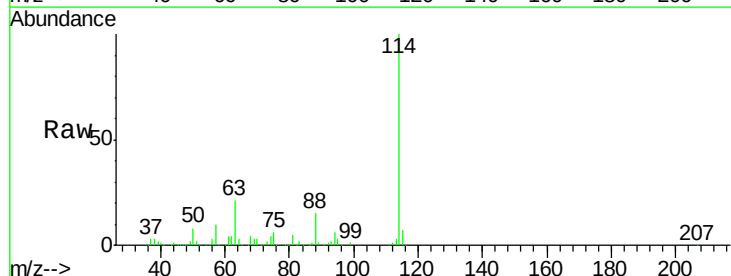
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

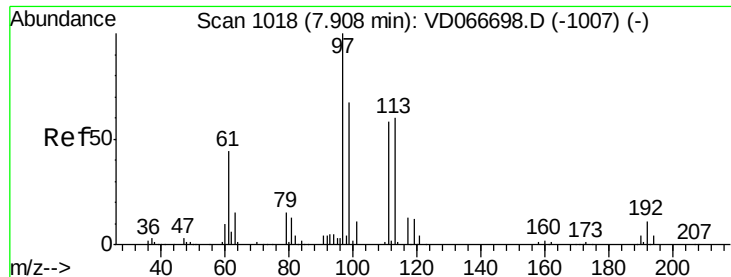
Tgt Ion: 65 Resp: 441483
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion: 114 Resp: 710274
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 37.6
 88 15.2 0.0 32.2

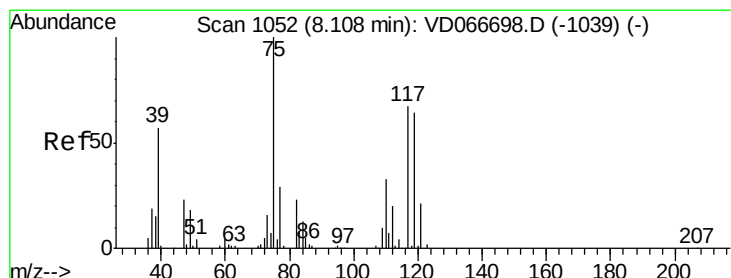
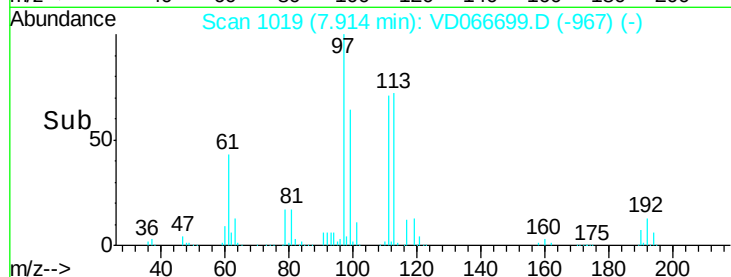
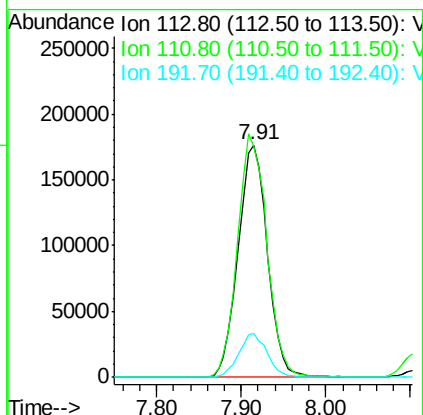
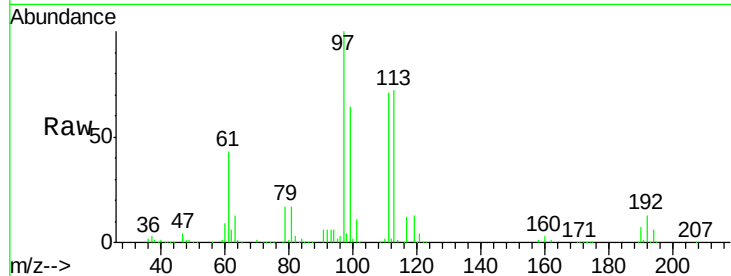




#35
 Dibromofluoromethane
 Concen: 97.438 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

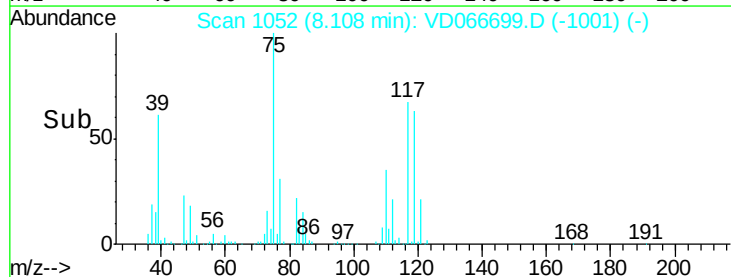
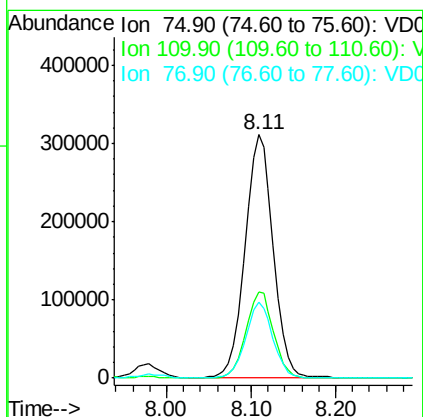
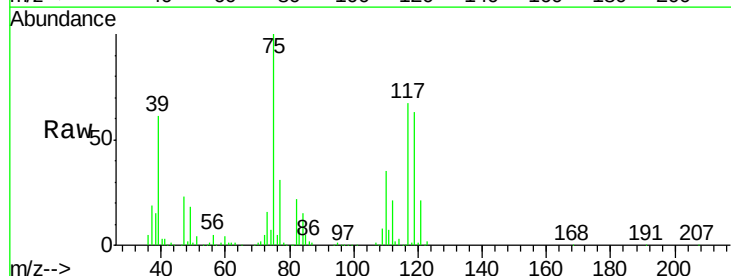
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

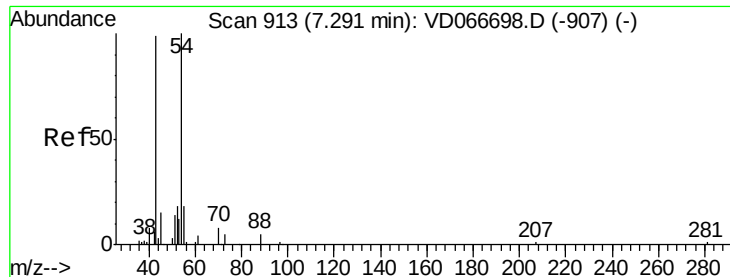
Tgt Ion: 113 Resp: 424311
 Ion Ratio Lower Upper
 113 100
 111 105.2 83.2 124.8
 192 18.3 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 98.351 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion: 75 Resp: 718217
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.1 51.2
 77 30.6 25.0 37.6

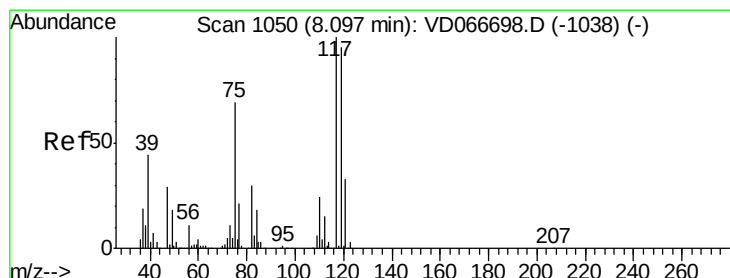
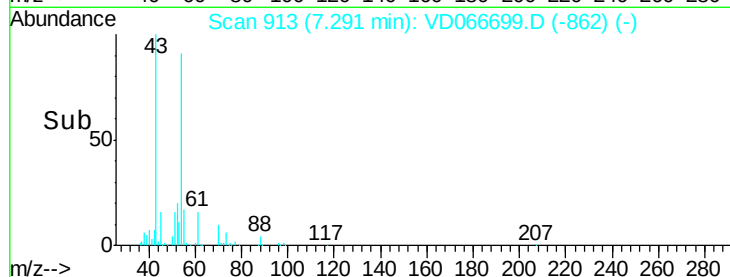
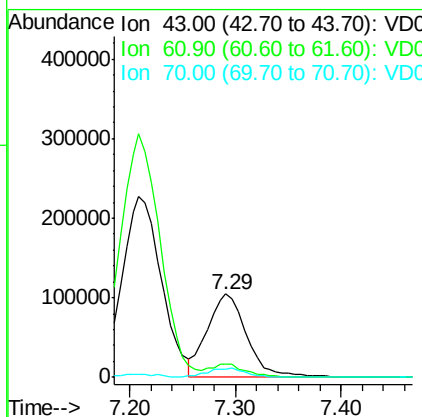
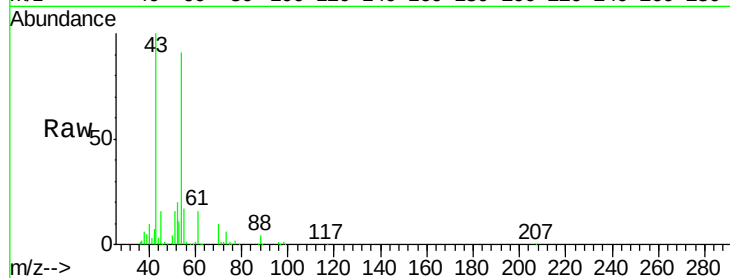




#37
Ethyl Acetate
Concen: 97.219 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

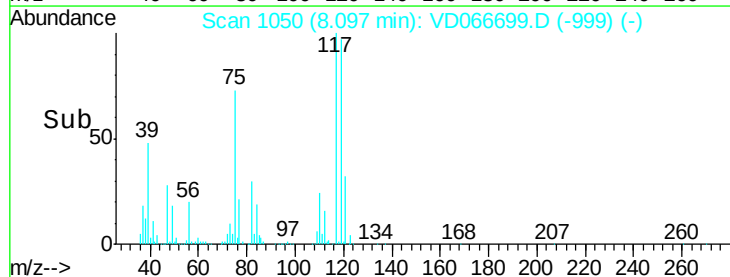
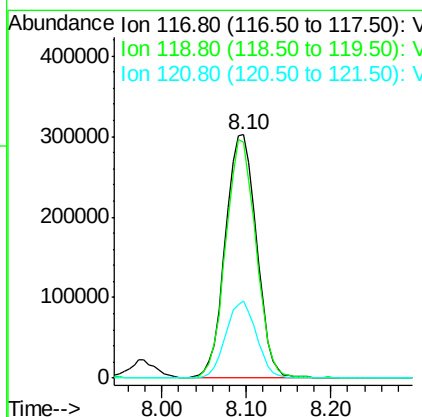
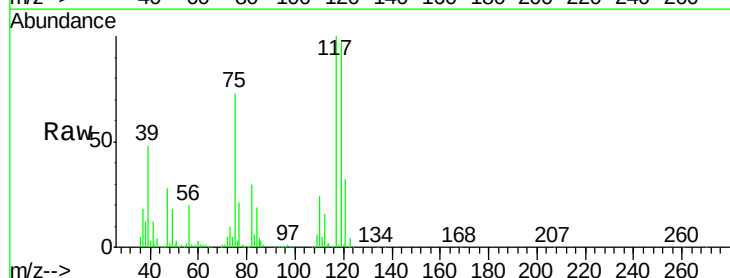
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

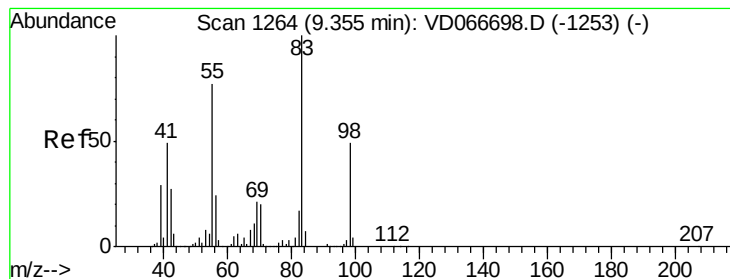
Tgt Ion: 43 Resp: 268770
Ion Ratio Lower Upper
43 100
61 14.0 10.4 15.6
70 10.6 7.5 11.3



#38
Carbon Tetrachloride
Concen: 99.262 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 117 Resp: 769775
Ion Ratio Lower Upper
117 100
119 96.9 75.8 113.6
121 31.6 26.2 39.4





#39

Methylcyclohexane

Concen: 104.785 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

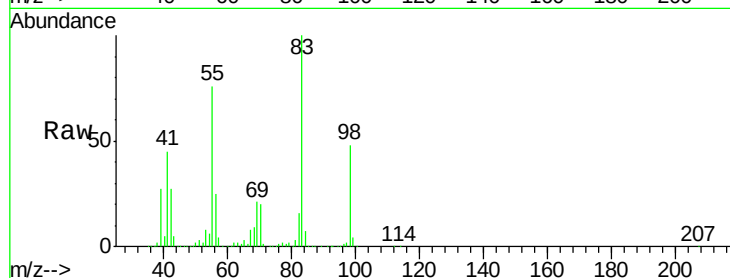
Tgt Ion: 83 Resp: 875264

Ion Ratio Lower Upper

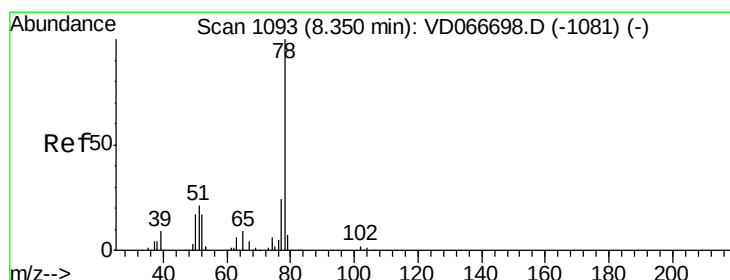
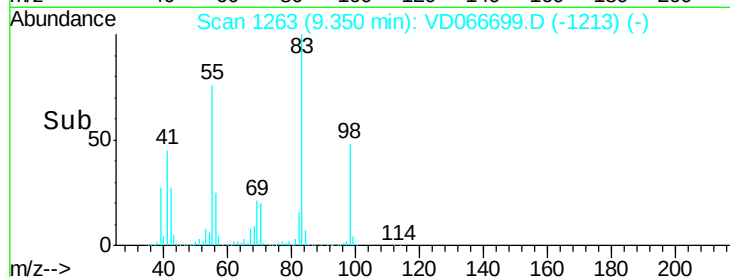
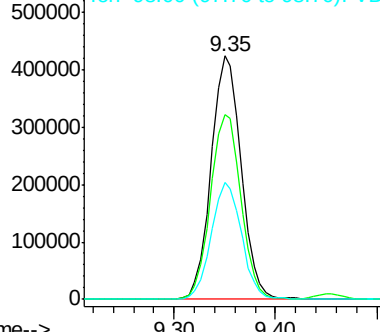
83 100

55 76.1 61.5 92.3

98 48.1 39.3 58.9



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



#40

Benzene

Concen: 99.646 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD066699.D

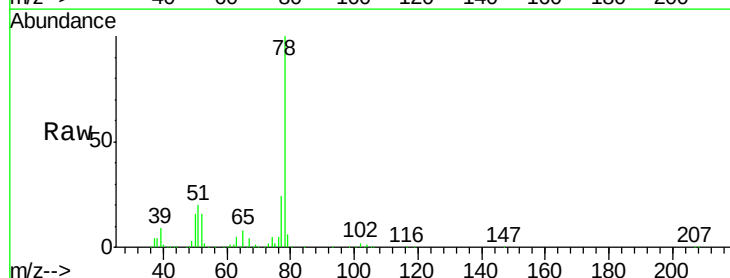
Acq: 15 Sep 2020 15:16

Tgt Ion: 78 Resp: 1968675

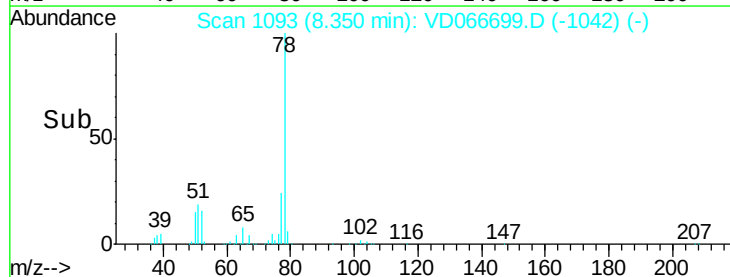
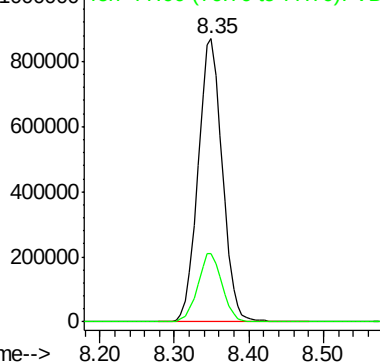
Ion Ratio Lower Upper

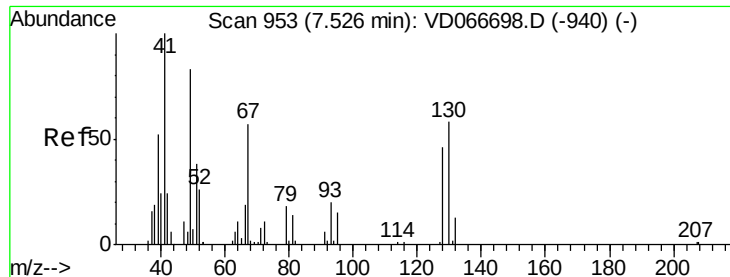
78 100

77 24.1 19.3 28.9



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

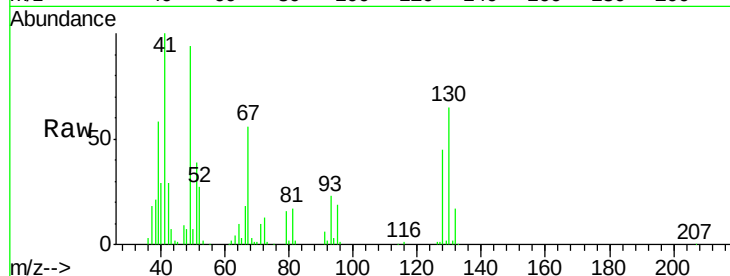




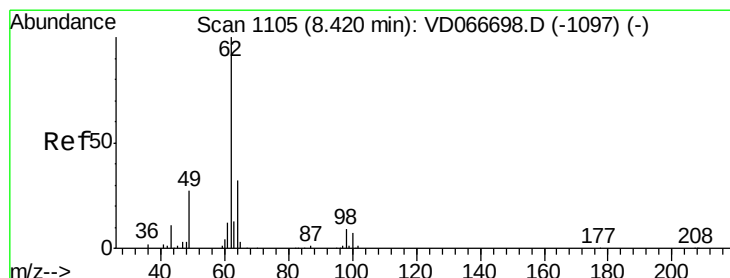
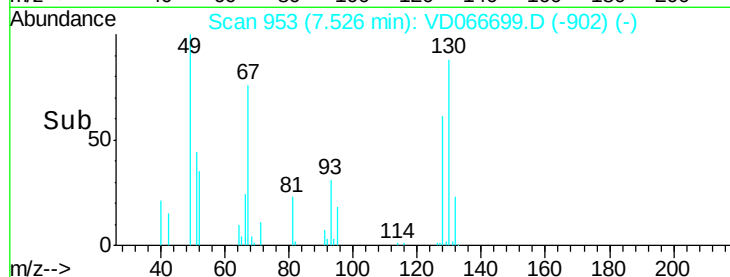
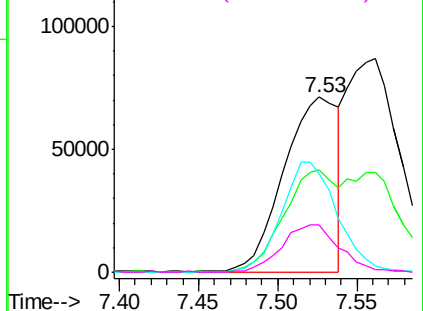
#41
Methacrylonitrile
Concen: 126.835 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	169770
Ion	Ratio	Lower	Upper
41	100		
39	56.7	59.3	88.9#
67	65.1	62.3	93.5
52	29.1	28.0	42.0

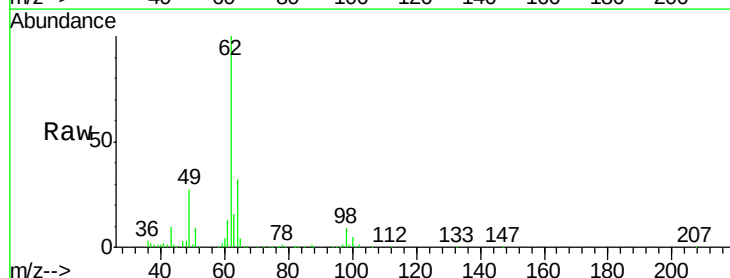


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

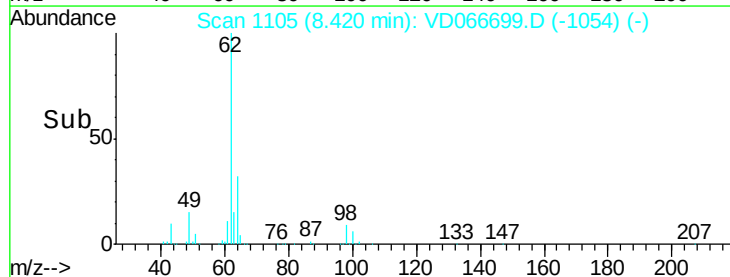
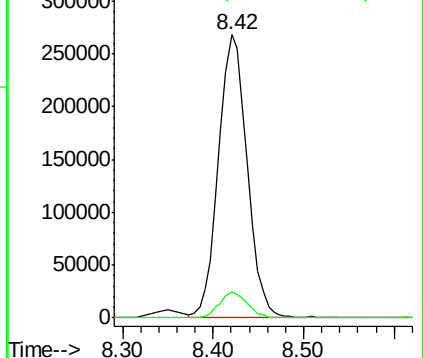


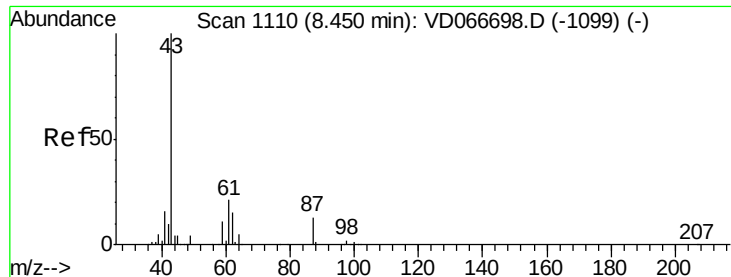
#42
1,2-Dichloroethane
Concen: 95.941 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion:	62	Resp:	587236
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 99.737 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

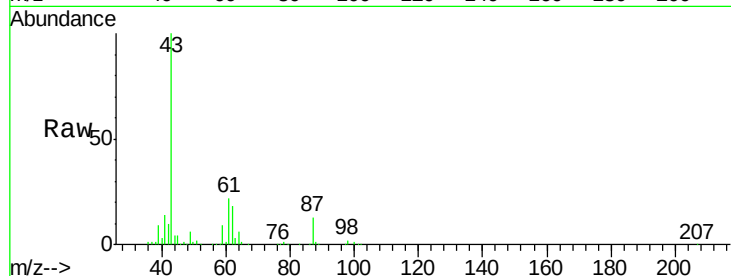
Tgt Ion: 43 Resp: 518987

Ion Ratio Lower Upper

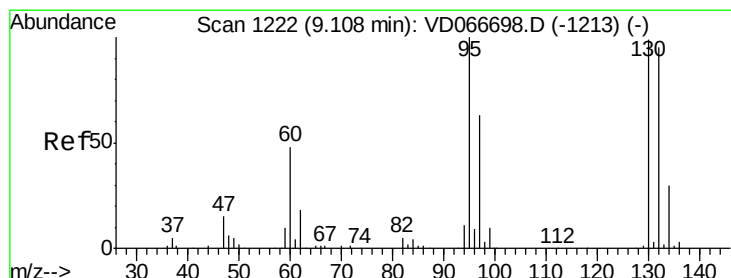
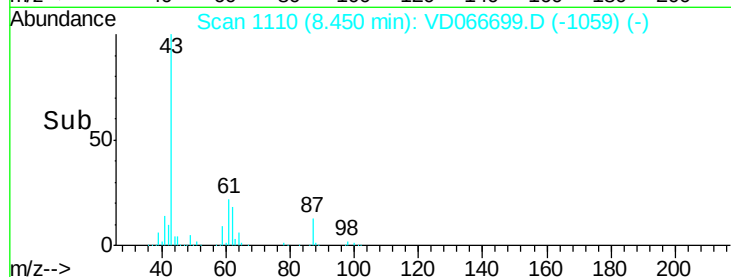
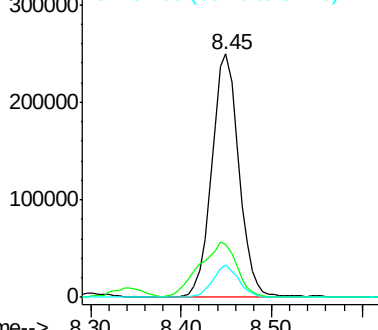
43 100

61 31.3 24.8 37.2

87 12.7 10.4 15.6



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: 99.967 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066699.D

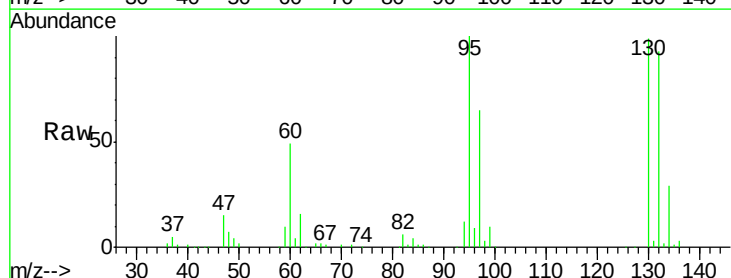
Acq: 15 Sep 2020 15:16

Tgt Ion: 130 Resp: 528061

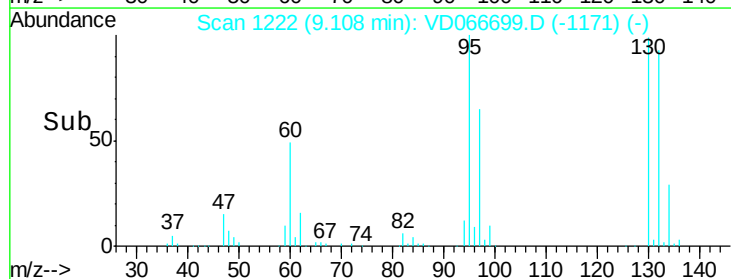
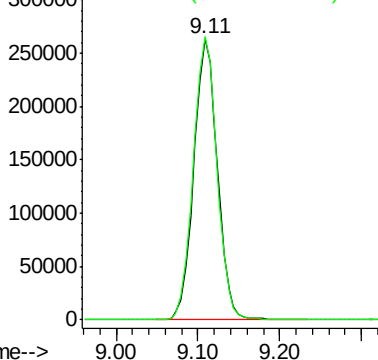
Ion Ratio Lower Upper

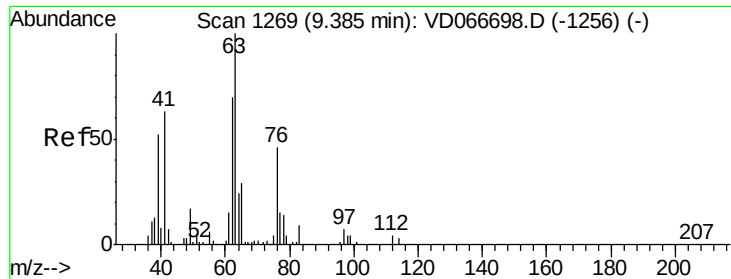
130 100

95 100.8 0.0 201.4



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

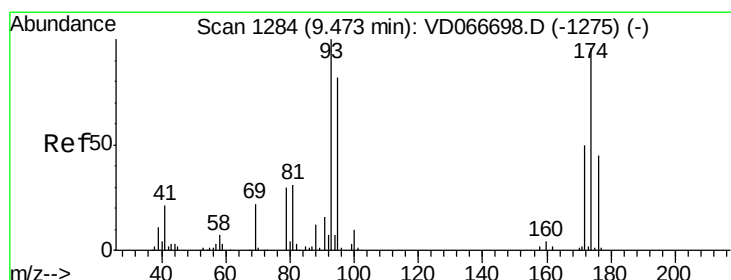
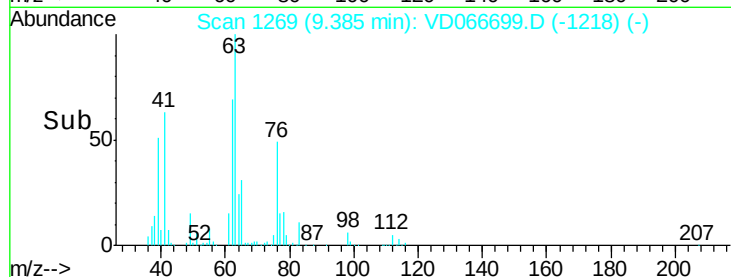
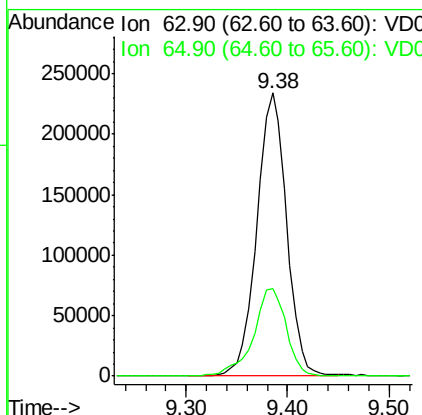
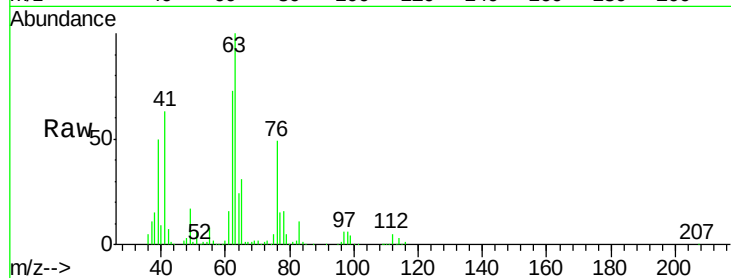




#45
 1,2-Dichloropropane
 Concen: 98.729 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

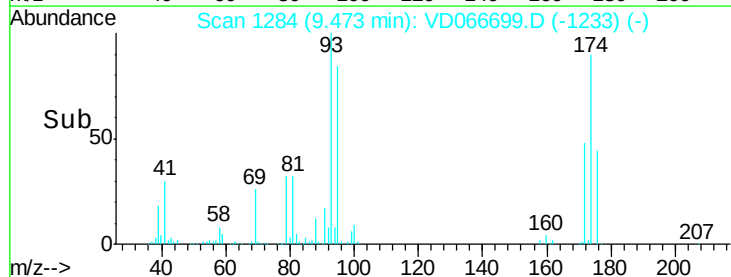
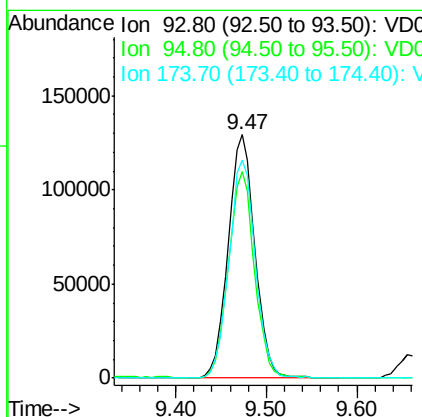
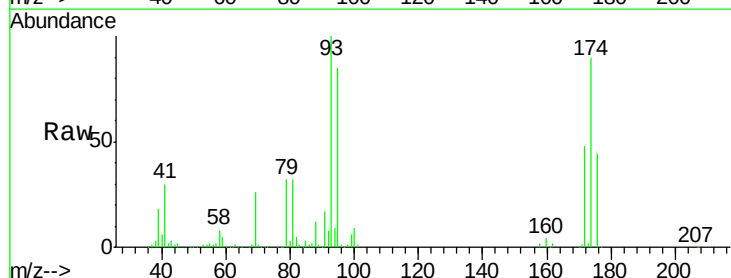
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

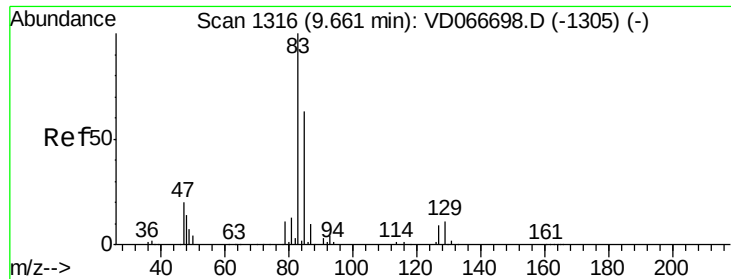
Tgt Ion: 63 Resp: 482209
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.4 35.0



#46
 Dibromomethane
 Concen: 98.556 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion: 93 Resp: 264510
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.0 99.0
 174 88.8 72.3 108.5





#47

Bromodichloromethane

Concen: 98.879 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

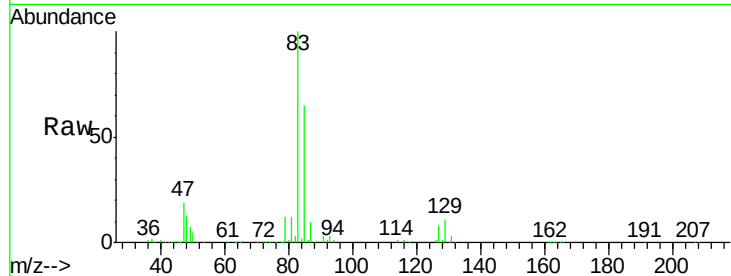
Tgt Ion: 83 Resp: 723138

Ion Ratio Lower Upper

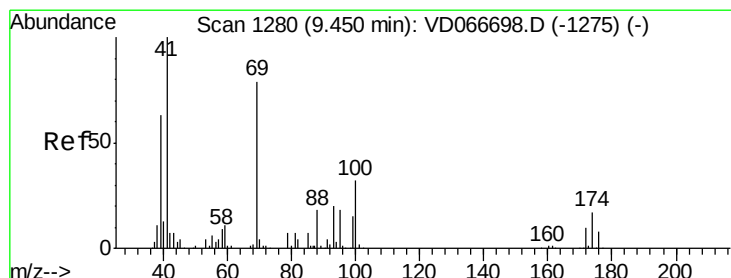
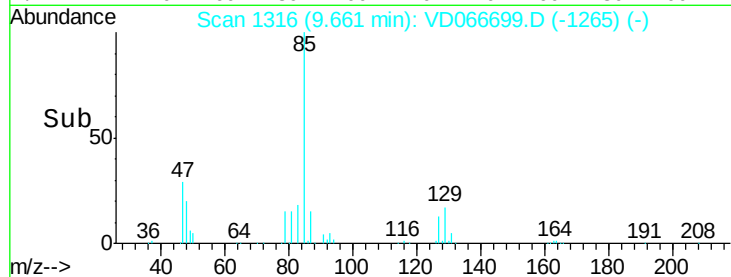
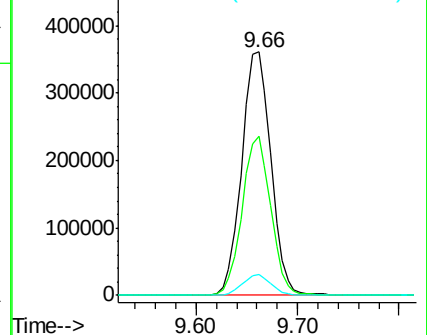
83 100

85 65.4 50.1 75.1

127 8.3 6.9 10.3



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: 98.454 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

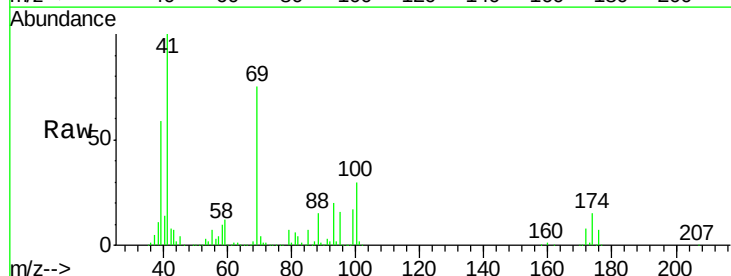
Tgt Ion: 41 Resp: 260587

Ion Ratio Lower Upper

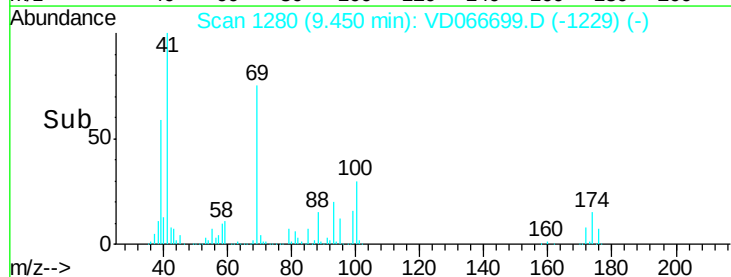
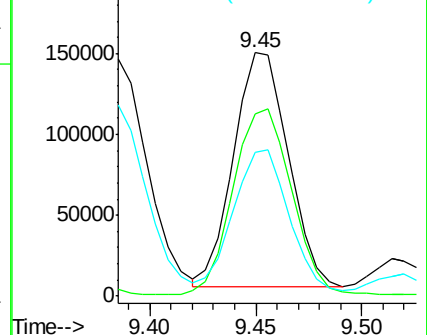
41 100

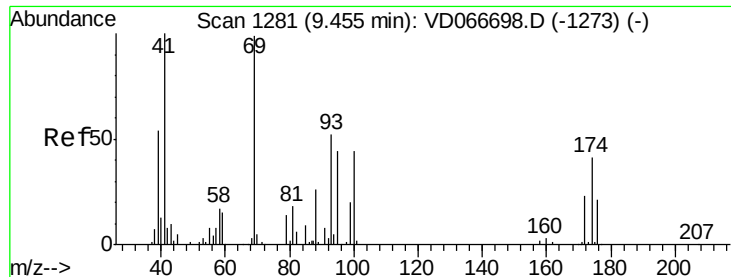
69 86.9 62.4 93.6

39 60.2 44.8 67.2



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

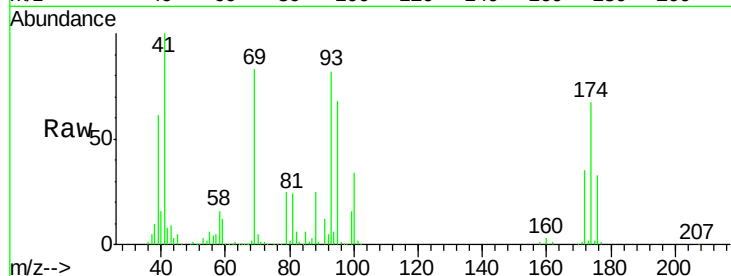




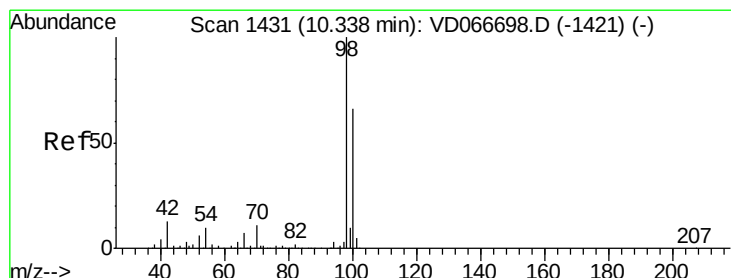
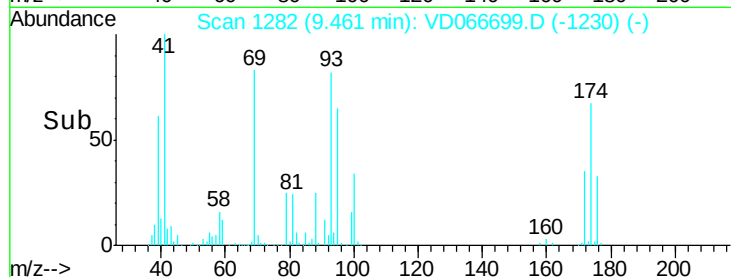
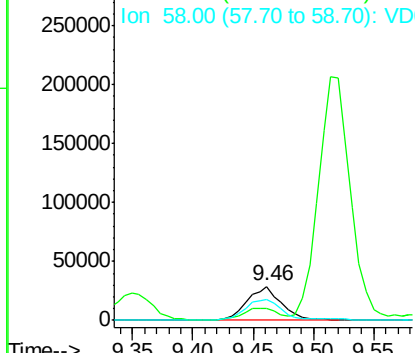
#49
1,4-Dioxane
Concen: 1969.491 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 56622
Ion Ratio Lower Upper
88 100
43 38.1 29.3 43.9
58 66.2 51.4 77.2

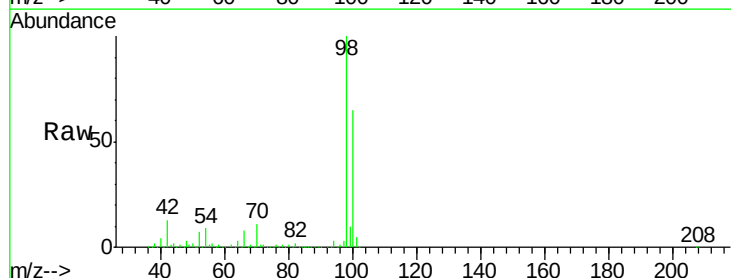


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

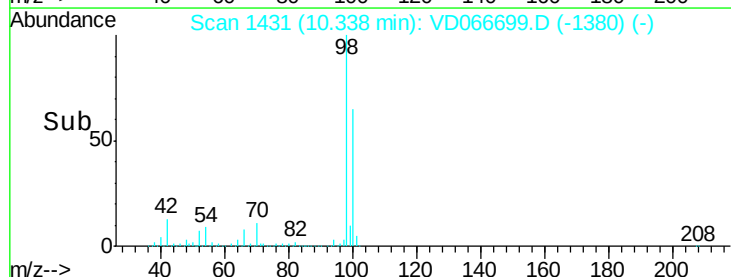
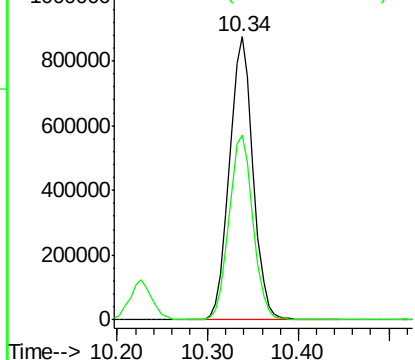


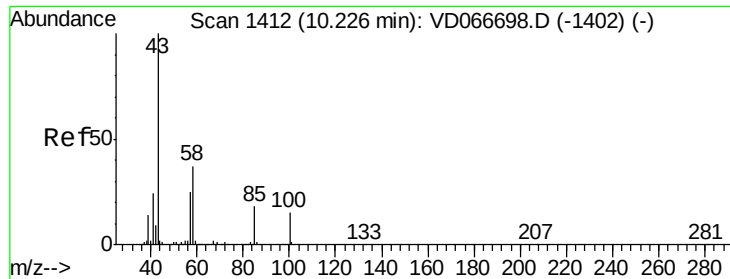
#50
Toluene-d8
Concen: 102.151 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 98 Resp: 1584830
Ion Ratio Lower Upper
98 100
100 66.5 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 498.142 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

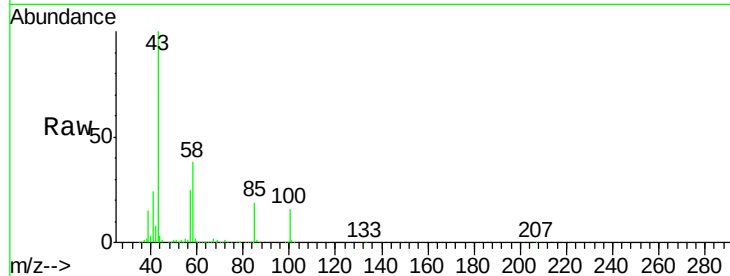
VSTDIC100

Tgt Ion: 43 Resp: 1334508

Ion Ratio Lower Upper

43 100

58 38.7 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

800000

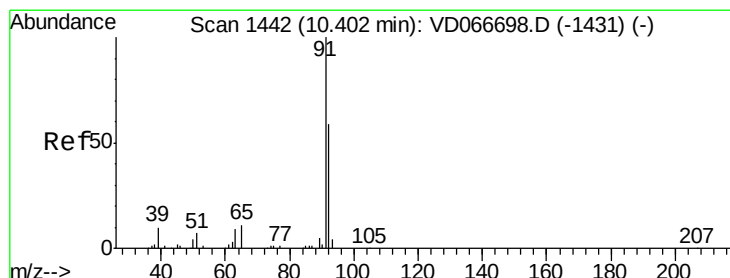
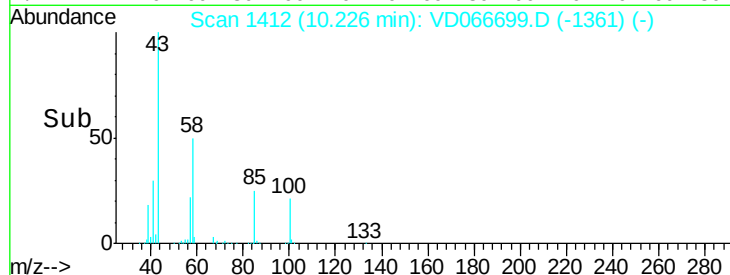
600000

400000

200000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 103.609 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066699.D

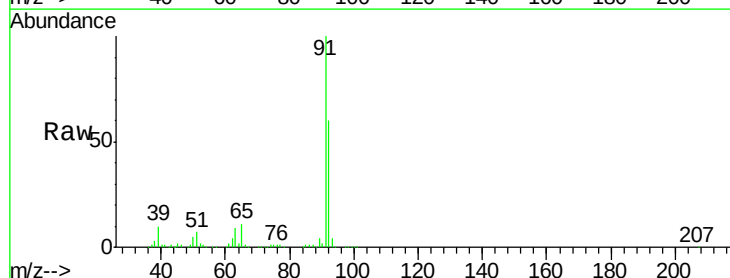
Acq: 15 Sep 2020 15:16

Tgt Ion: 92 Resp: 1311313

Ion Ratio Lower Upper

92 100

91 167.4 135.8 203.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

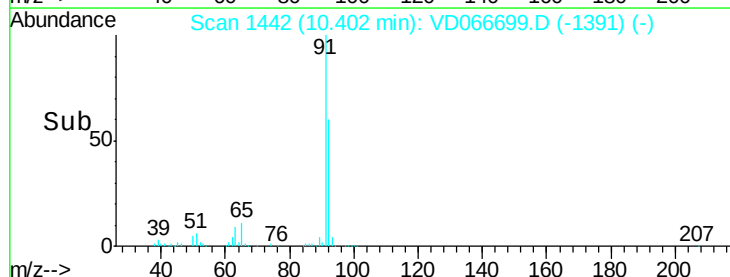
10.40

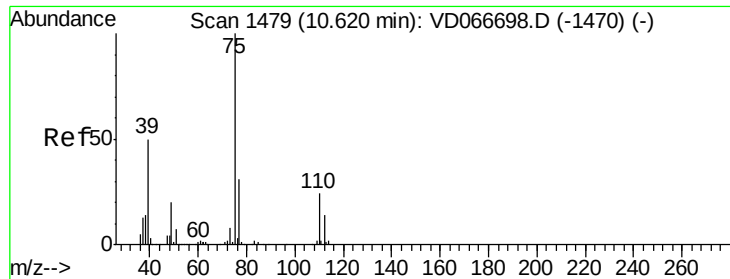
1000000

500000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 101.982 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

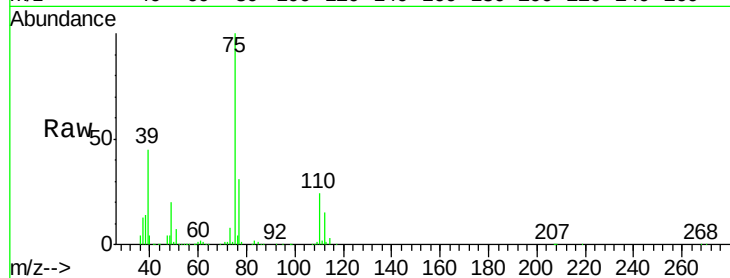
VSTDIC100

Tgt Ion: 75 Resp: 666270

Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

400000

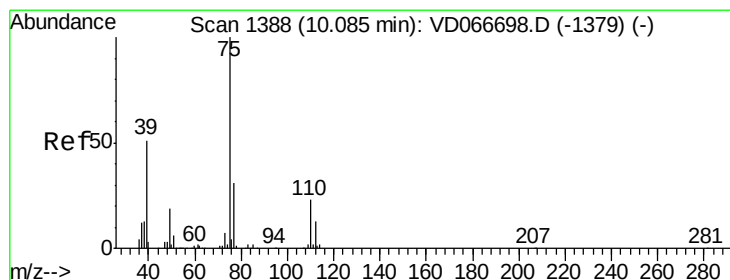
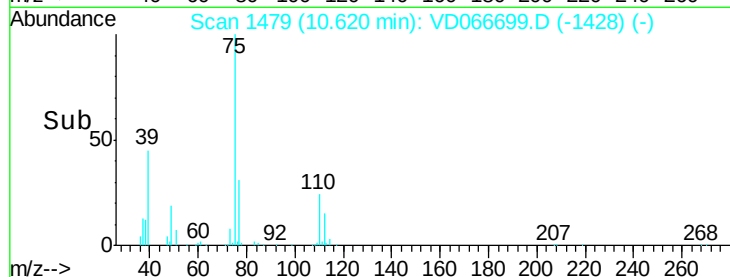
300000

200000

100000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 101.755 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

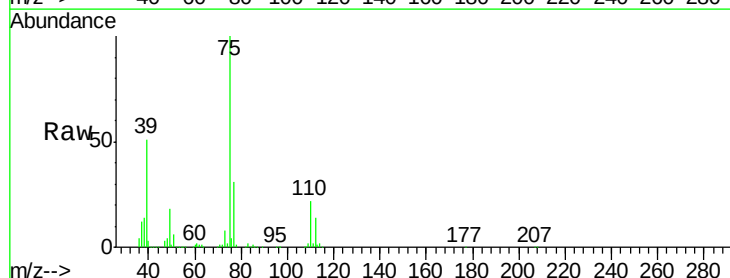
Tgt Ion: 75 Resp: 789602

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.6

39 50.5 40.6 61.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.08

600000

500000

400000

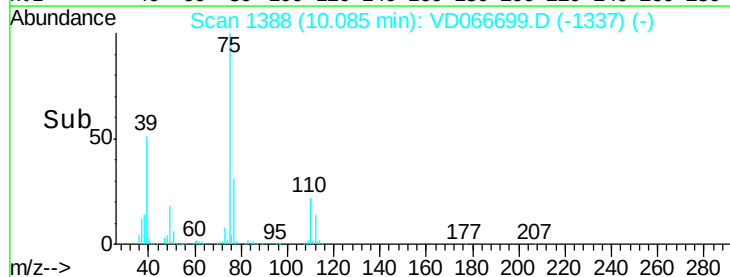
300000

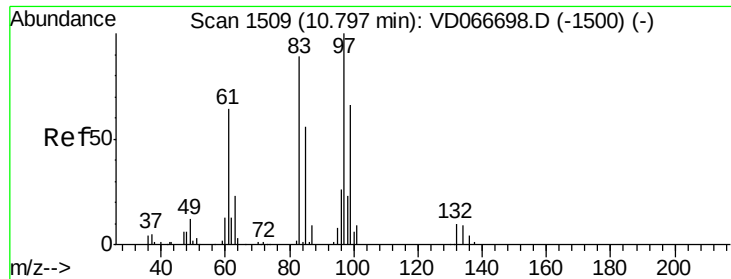
200000

100000

0

Time--> 10.00 10.10 10.20

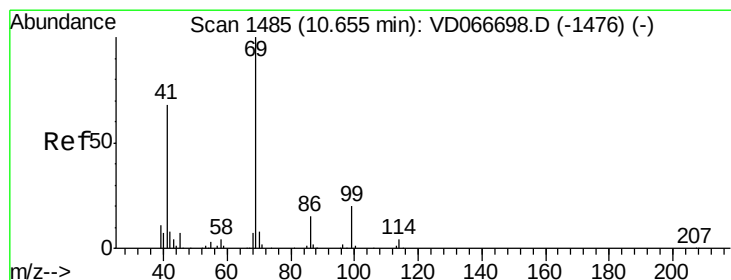
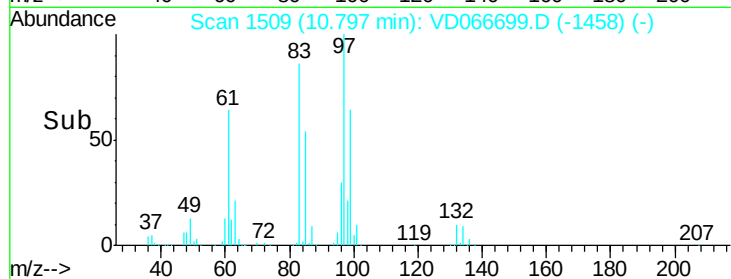
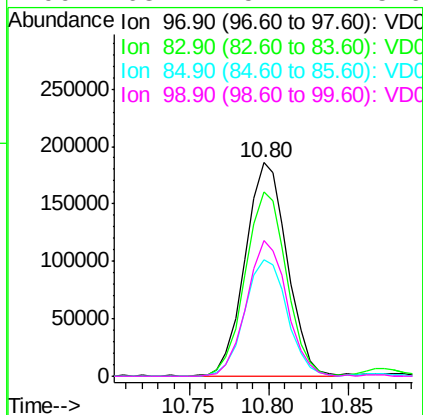
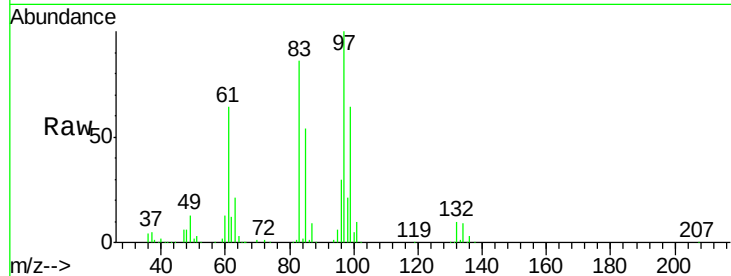




#55
 1,1,2-Trichloroethane
 Concen: 97.039 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

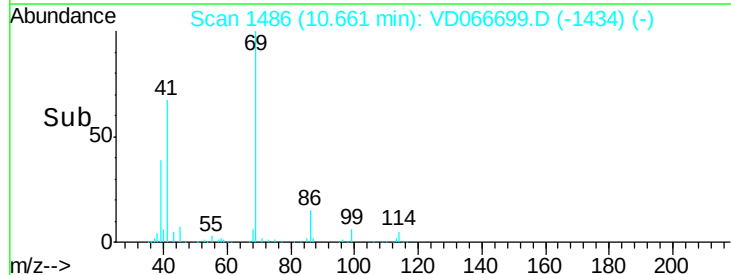
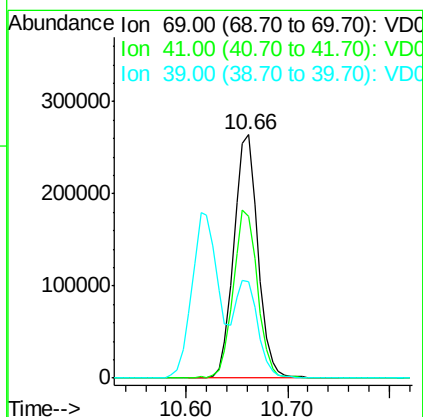
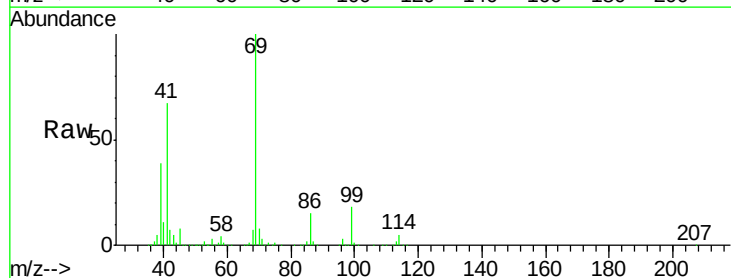
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

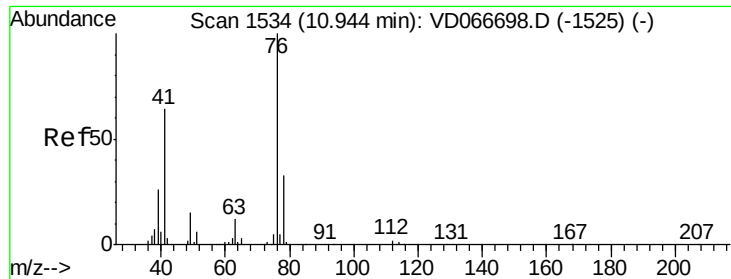
Tgt Ion: 97 Resp: 343383
 Ion Ratio Lower Upper
 97 100
 83 86.3 71.4 107.2
 85 54.4 44.7 67.1
 99 63.4 52.4 78.6



#56
 Ethyl methacrylate
 Concen: 108.561 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion: 69 Resp: 435939
 Ion Ratio Lower Upper
 69 100
 41 70.7 55.5 83.3
 39 36.4 29.7 44.5





#57

1,3-Dichloropropane

Concen: 97.015 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

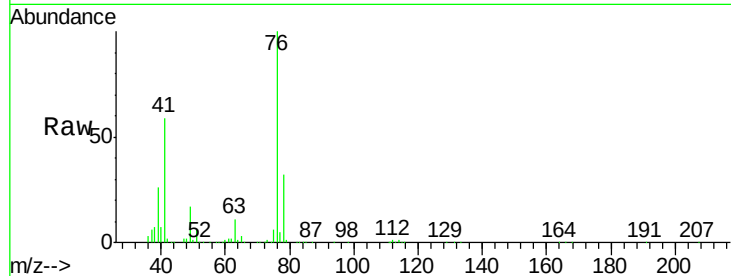
VSTDIC100

Tgt Ion: 76 Resp: 602458

Ion Ratio Lower Upper

76 100

78 33.1 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.94

400000

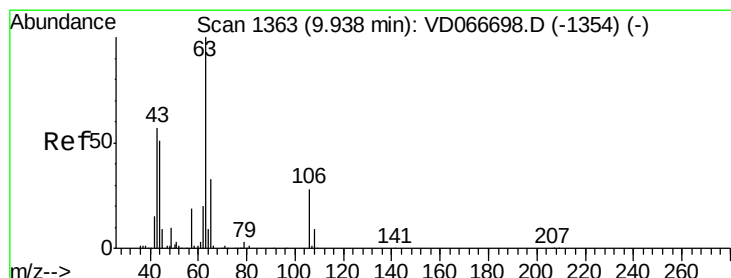
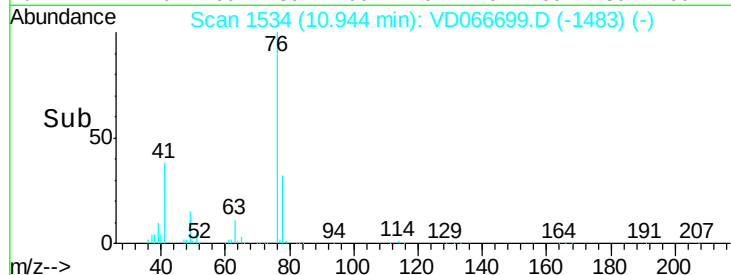
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 468.010 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066699.D

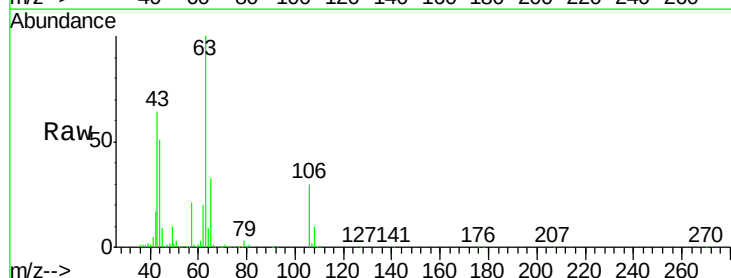
Acq: 15 Sep 2020 15:16

Tgt Ion: 63 Resp: 825398

Ion Ratio Lower Upper

63 100

106 29.3 22.2 33.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

500000

400000

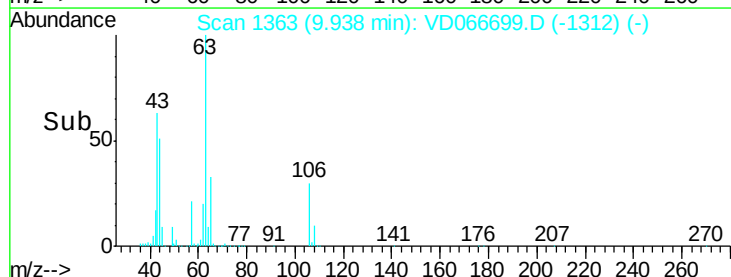
300000

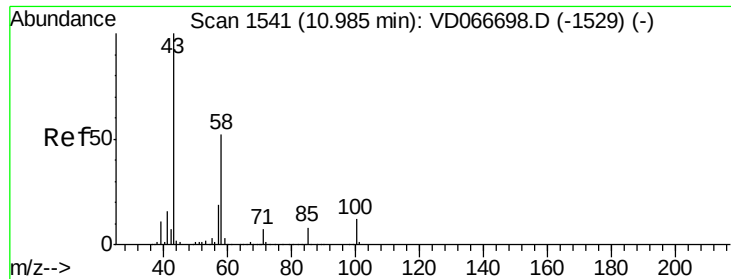
200000

100000

0

Time-->

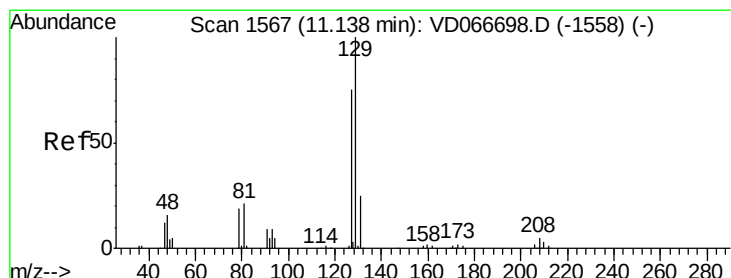
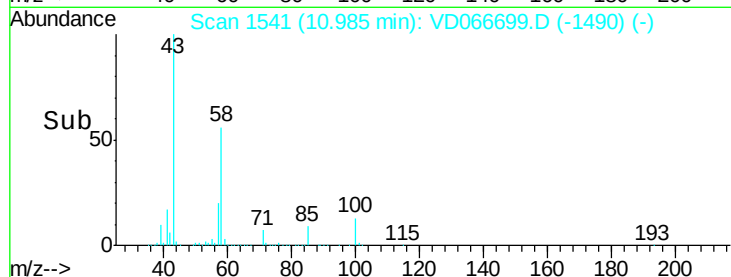
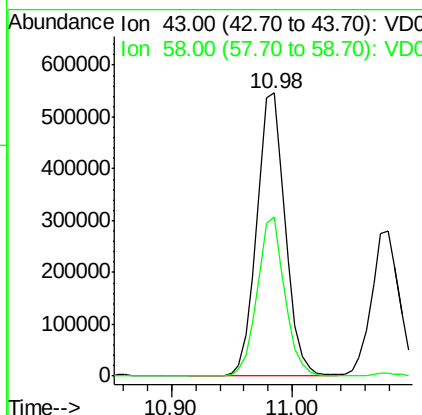
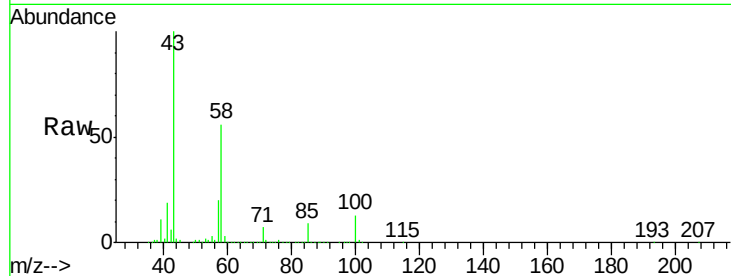




#59
2-Hexanone
Concen: 502.318 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

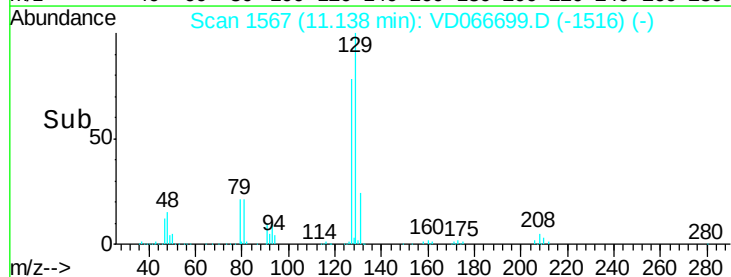
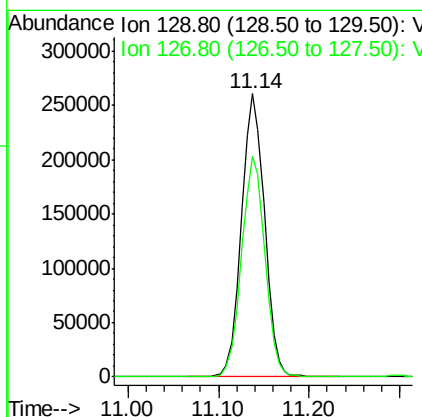
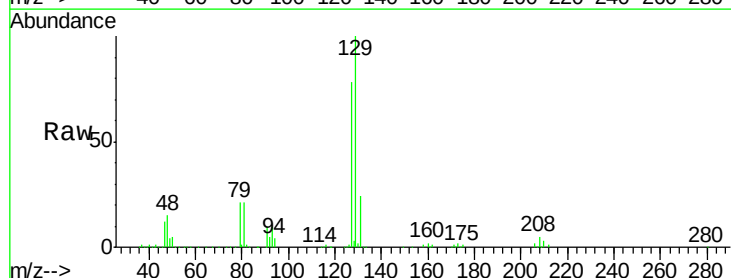
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

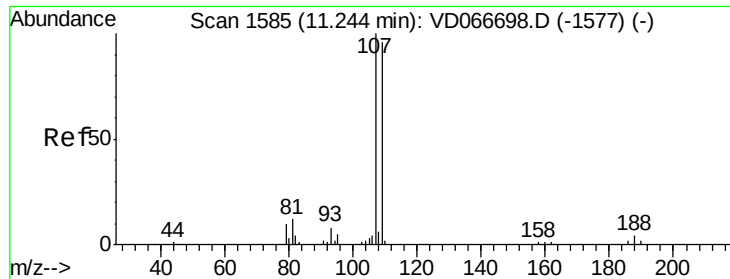
Tgt Ion: 43 Resp: 904193
Ion Ratio Lower Upper
43 100
58 54.2 26.2 78.5



#60
Dibromochloromethane
Concen: 100.322 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 129 Resp: 462564
Ion Ratio Lower Upper
129 100
127 78.4 38.1 114.3

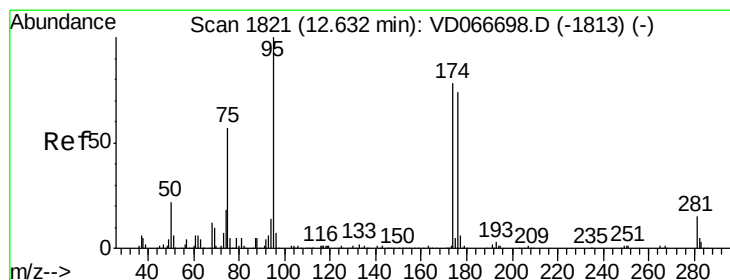
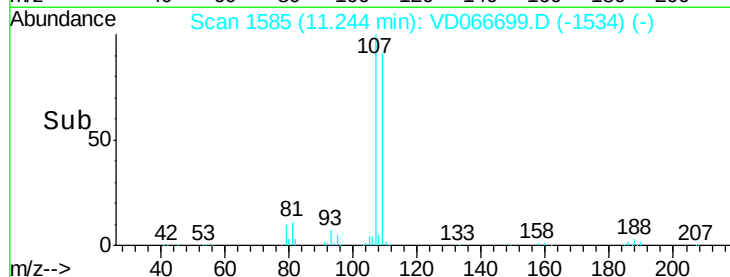
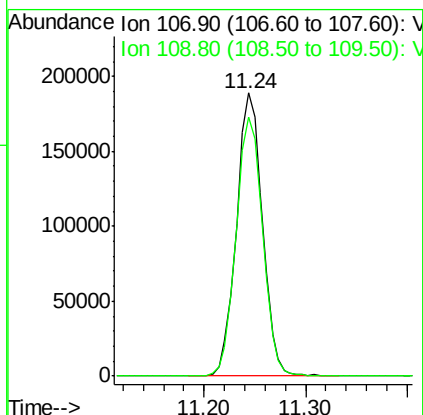
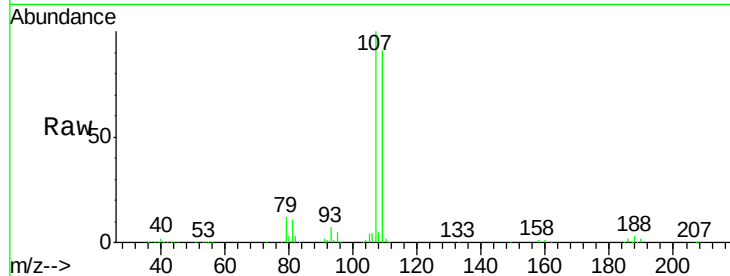




#61
 1,2-Dibromoethane
 Concen: 98.800 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

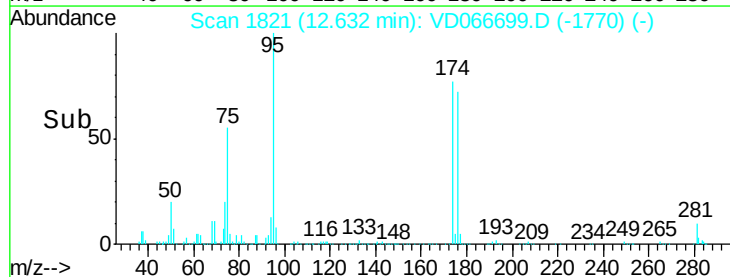
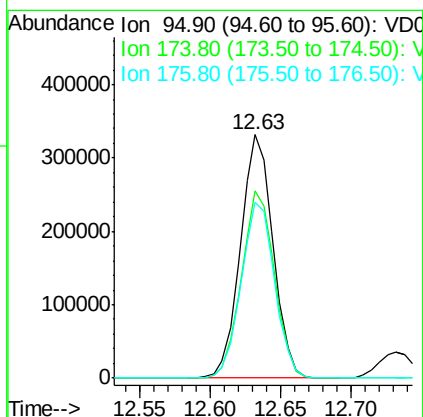
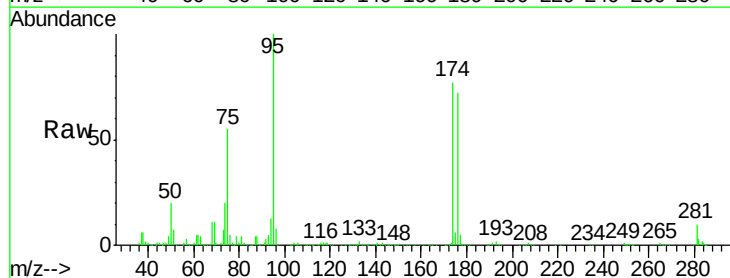
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

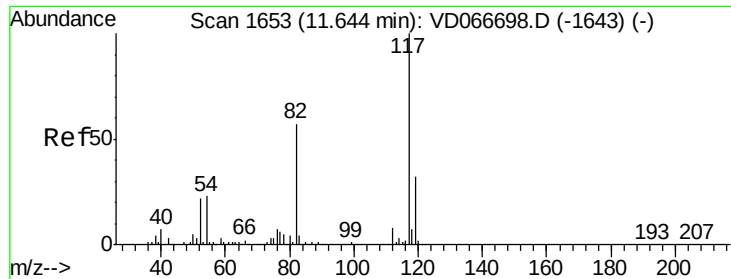
Tgt Ion: 107 Resp: 335371
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 99.422 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion: 95 Resp: 532450
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 156.6
 176 74.4 0.0 150.2

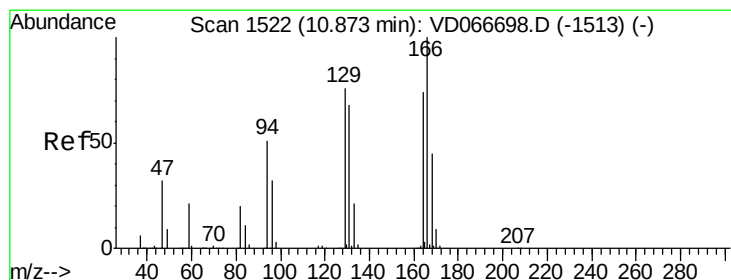
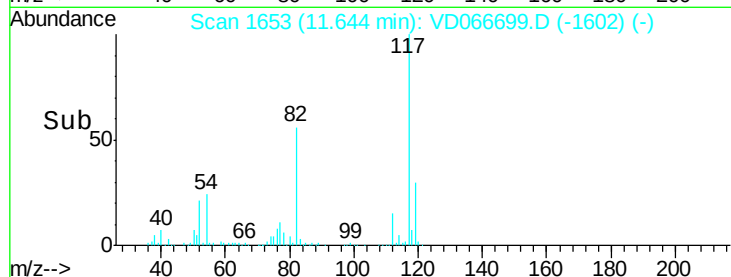
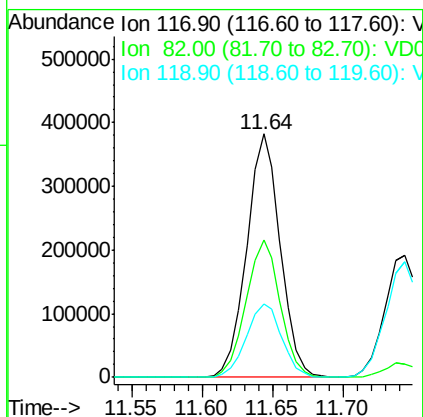
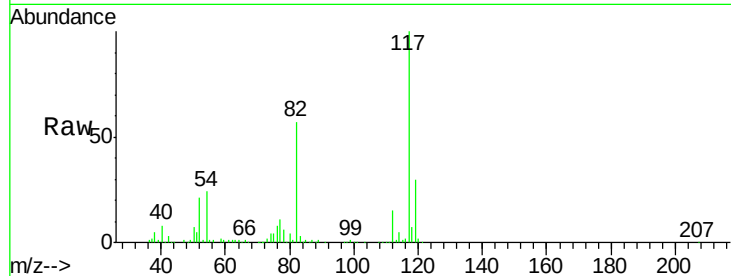




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

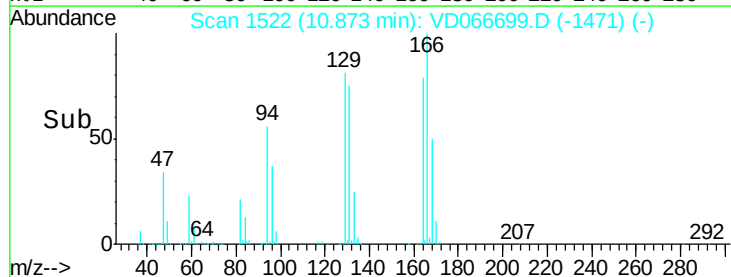
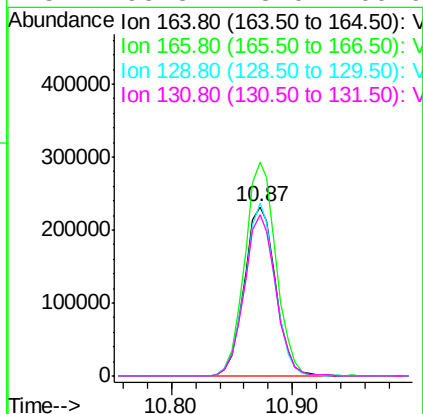
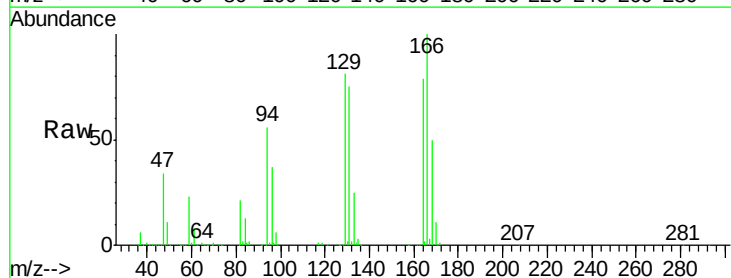
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

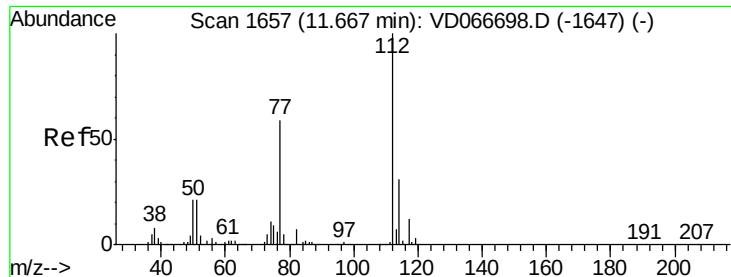
Tgt Ion:117 Resp: 635944
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.0
119 30.2 25.8 38.6



#64
Tetrachloroethene
Concen: 96.572 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion:164 Resp: 419237
Ion Ratio Lower Upper
164 100
166 126.4 107.5 161.3
129 102.6 81.4 122.0
131 95.3 73.0 109.6

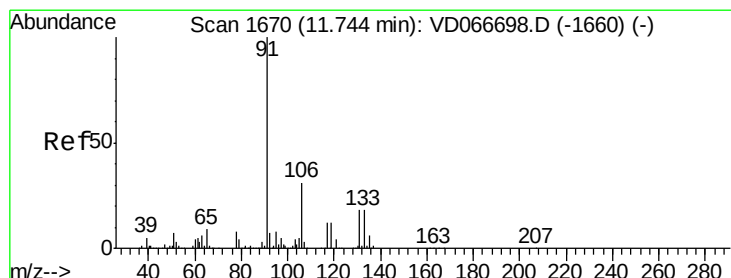
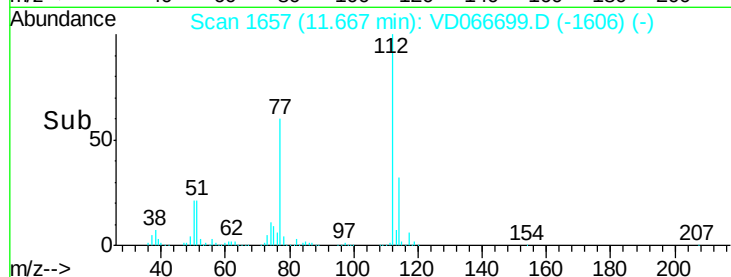
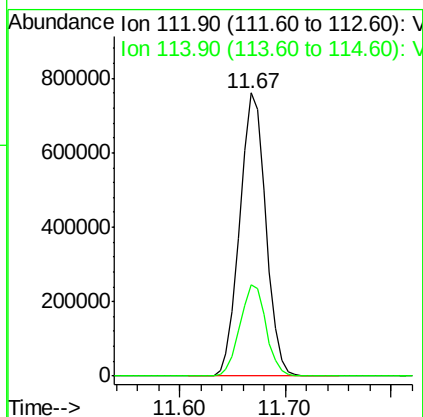
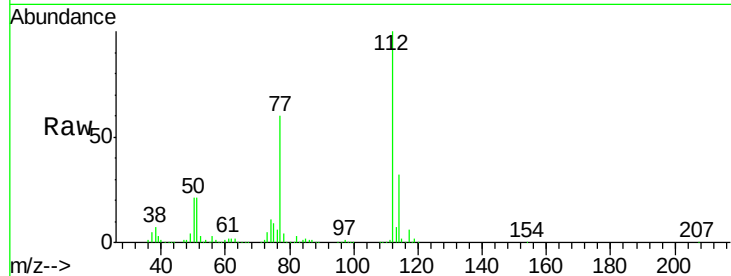




#65
Chlorobenzene
Concen: 98.653 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

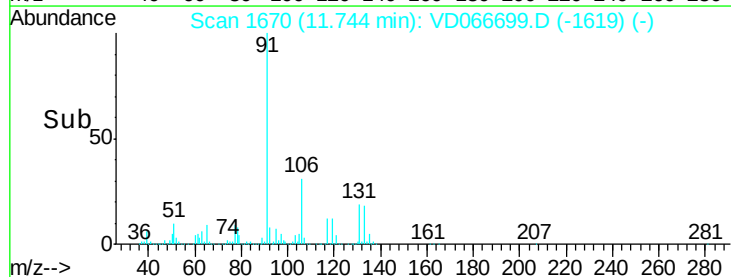
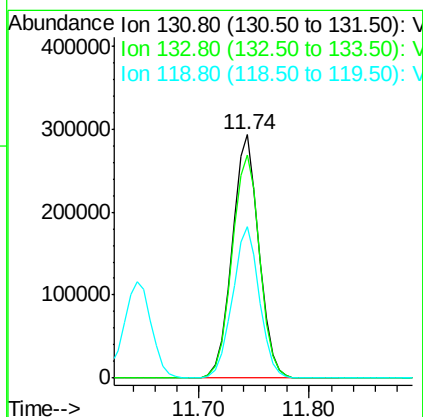
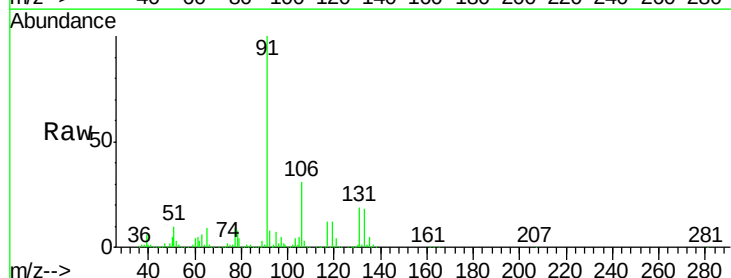
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

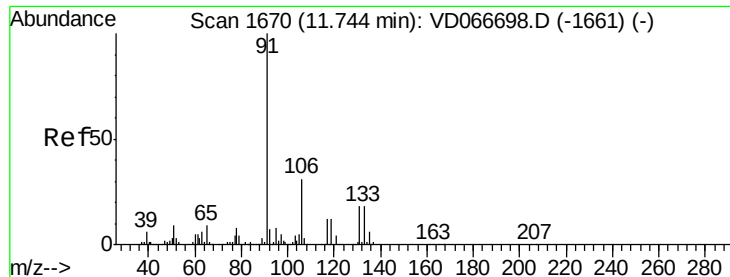
Tgt Ion:112 Resp: 1298940
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 102.194 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion:131 Resp: 496463
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.3
119 62.6 33.6 100.8





#67

Ethyl Benzene

Concen: 105.247 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

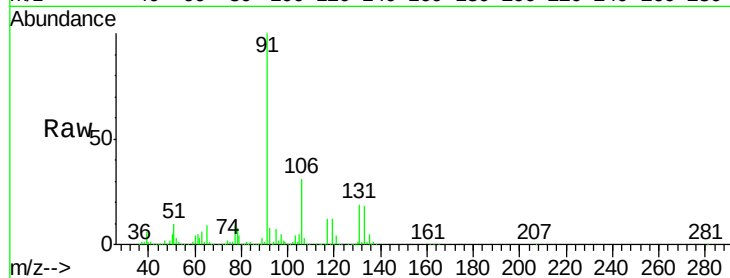
VSTDIC100

Tgt Ion: 91 Resp: 2510044

Ion Ratio Lower Upper

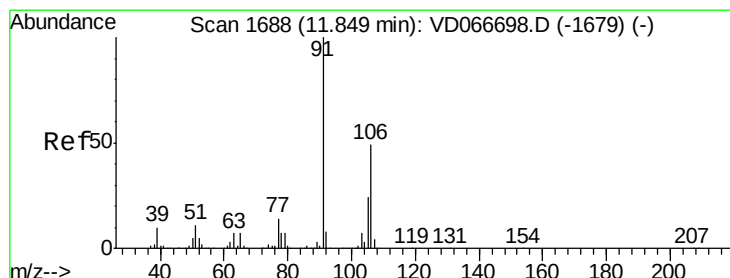
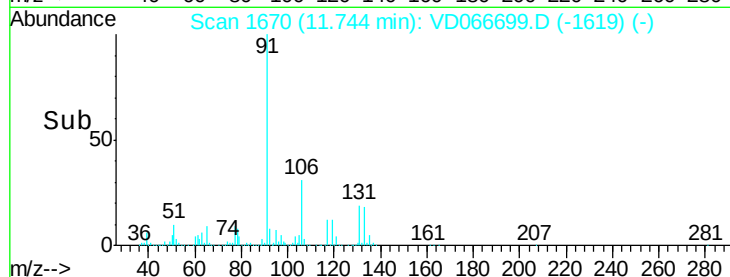
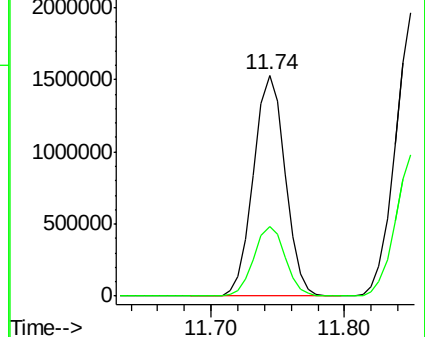
91 100

106 31.3 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 211.918 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066699.D

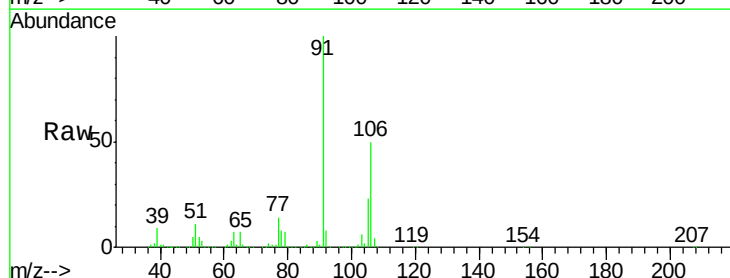
Acq: 15 Sep 2020 15:16

Tgt Ion: 106 Resp: 1910178

Ion Ratio Lower Upper

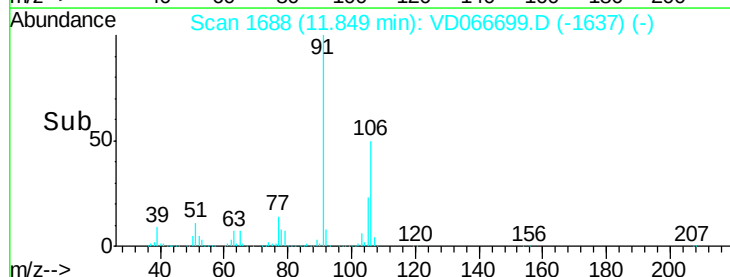
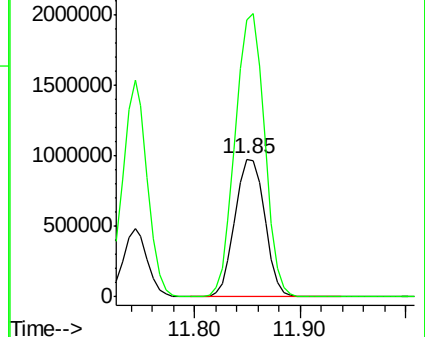
106 100

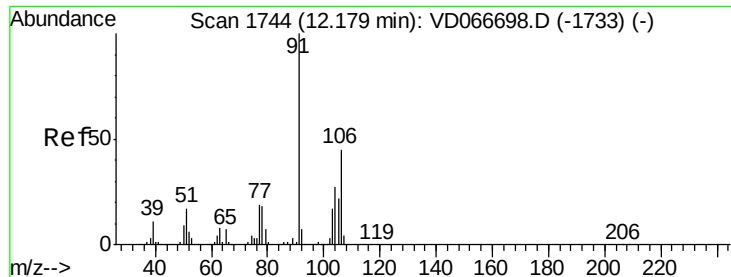
91 202.3 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

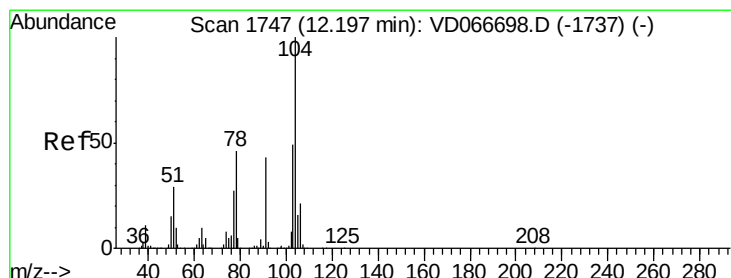
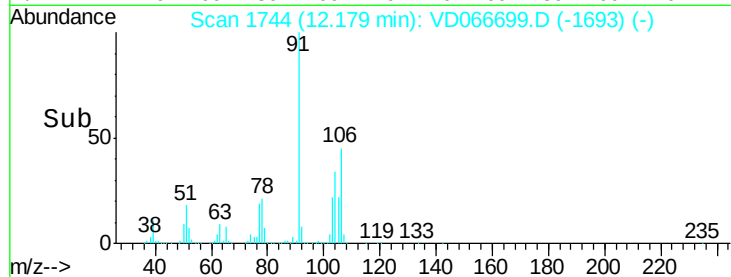
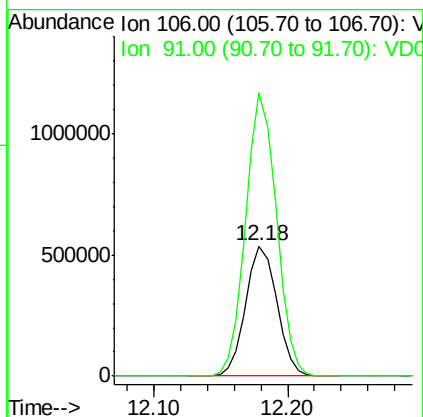
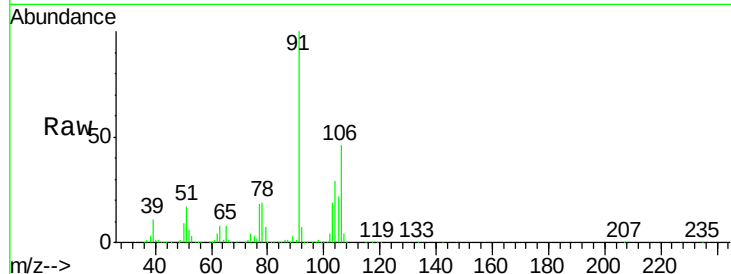




#69
o-Xylene
Concen: 108.876 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

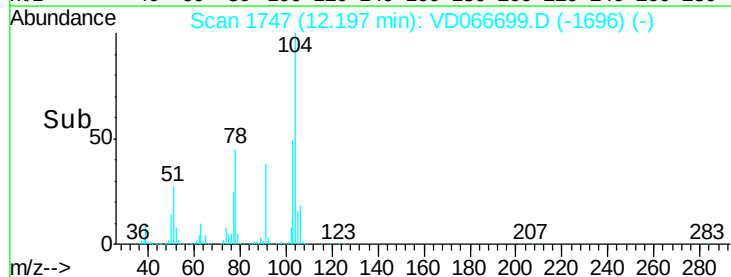
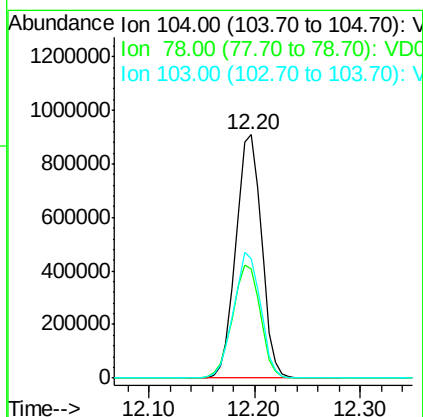
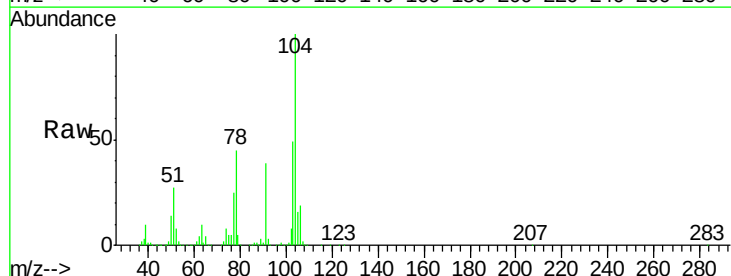
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

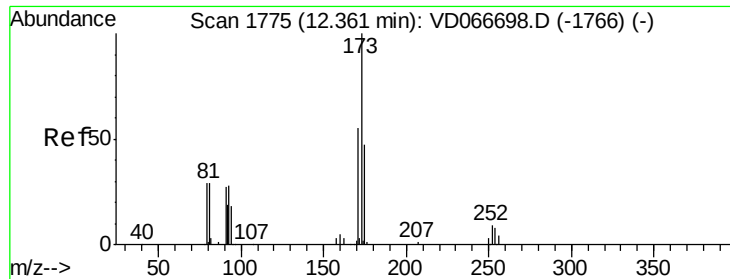
Tgt Ion:106 Resp: 867245
Ion Ratio Lower Upper
106 100
91 214.5 109.4 328.2



#70
Styrene
Concen: 108.833 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion:104 Resp: 1525797
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.4
103 54.1 42.5 63.7





#71

Bromoform

Concen: 100.462 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

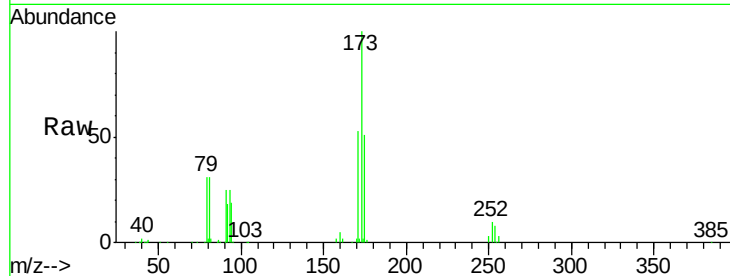
Tgt Ion:173 Resp: 244930

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.8

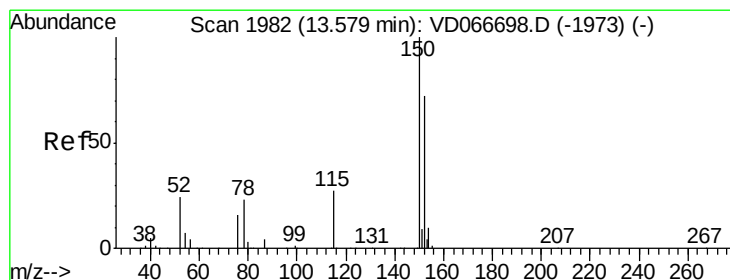
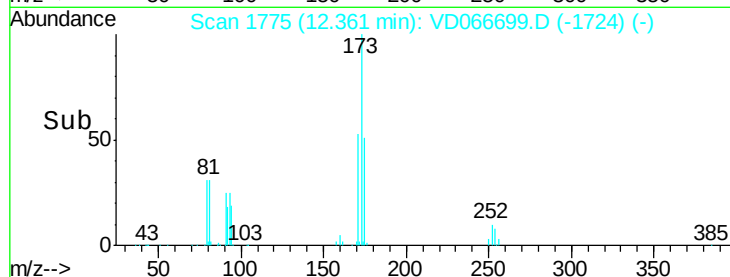
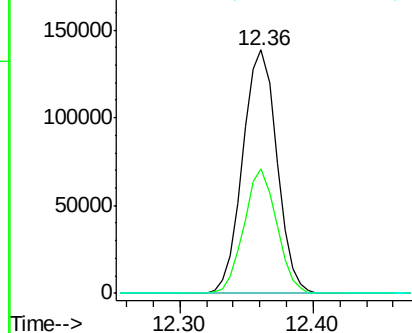
254 0.1 0.1 0.1#



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# 1982

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

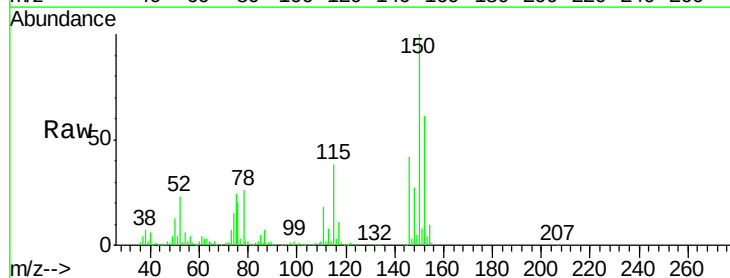
Tgt Ion:152 Resp: 302309

Ion Ratio Lower Upper

152 100

115 61.1 30.5 91.5

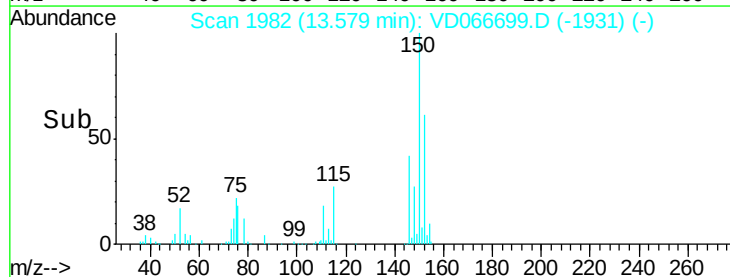
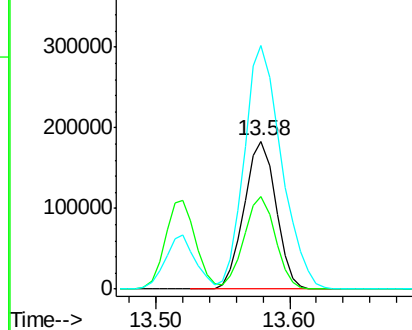
150 191.9 0.0 344.6

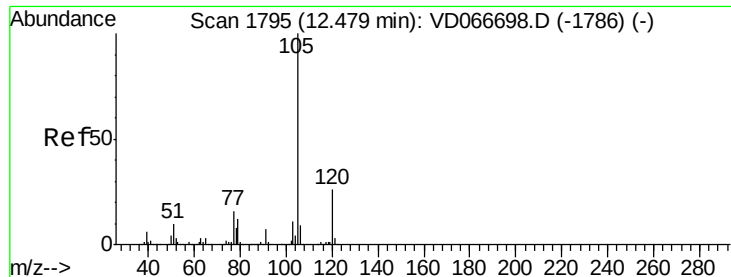


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 106.572 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

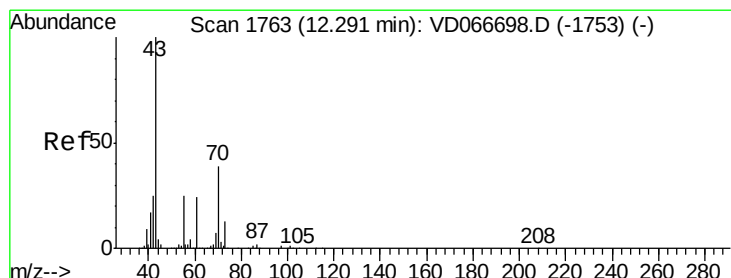
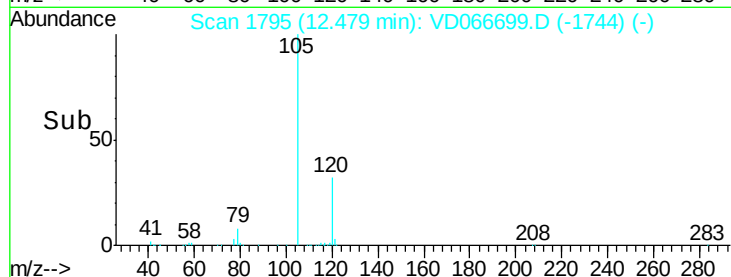
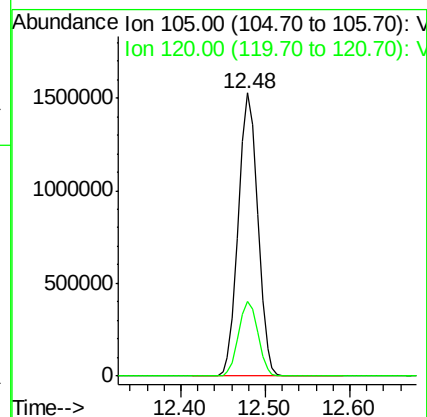
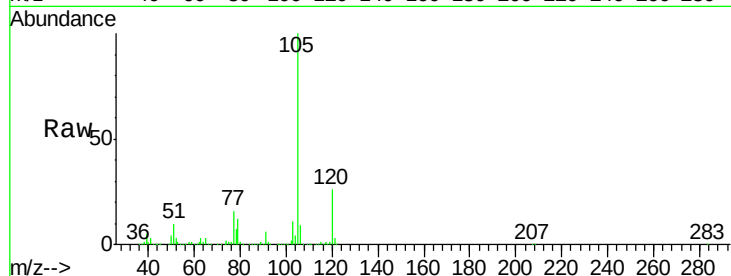
VSTDIC100

Tgt Ion:105 Resp: 2405139

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.1



#74

N-ethyl acetate

Concen: 102.282 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Tgt Ion: 43 Resp: 486927

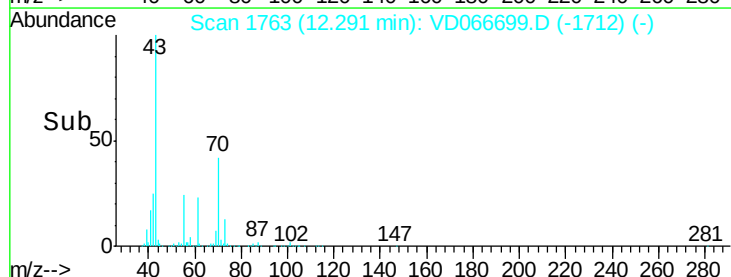
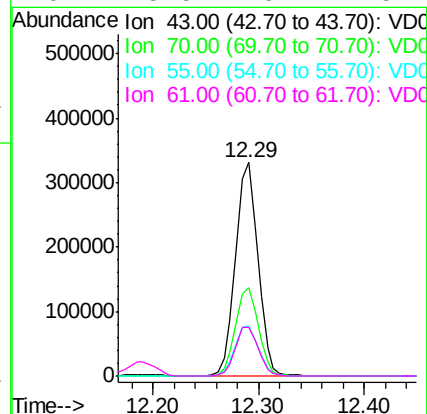
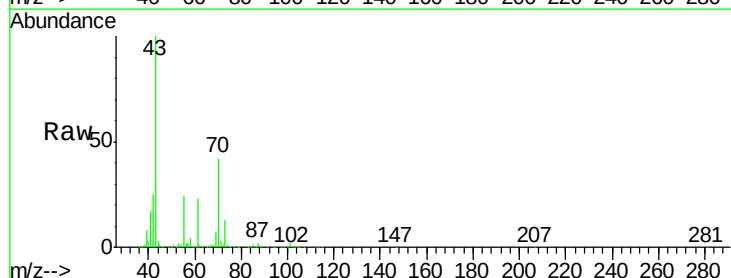
Ion Ratio Lower Upper

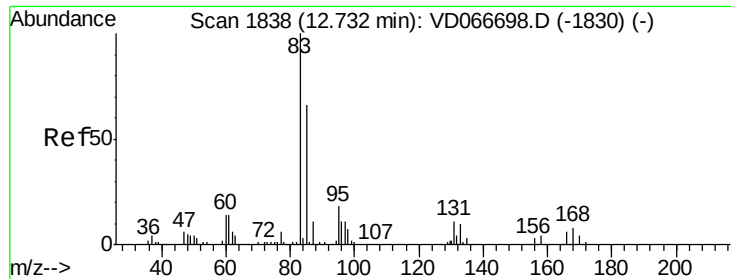
43 100

70 42.7 33.0 49.4

55 24.7 20.6 30.8

61 23.5 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 95.497 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

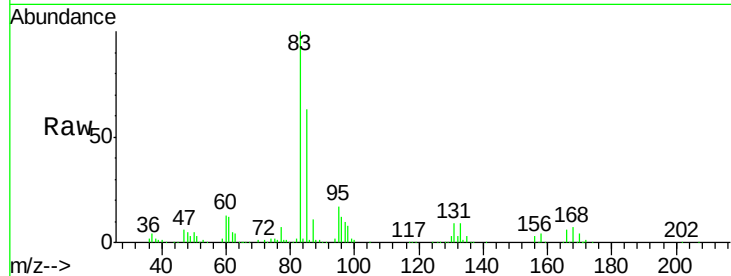
Tgt Ion: 83 Resp: 366220

Ion Ratio Lower Upper

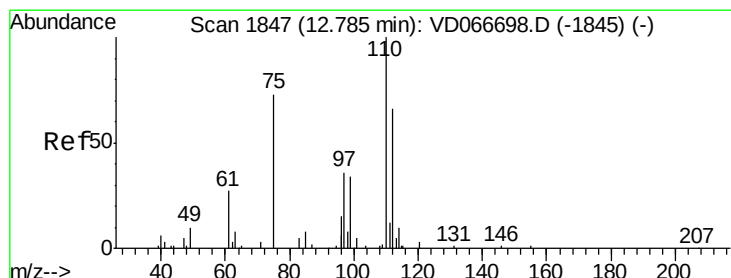
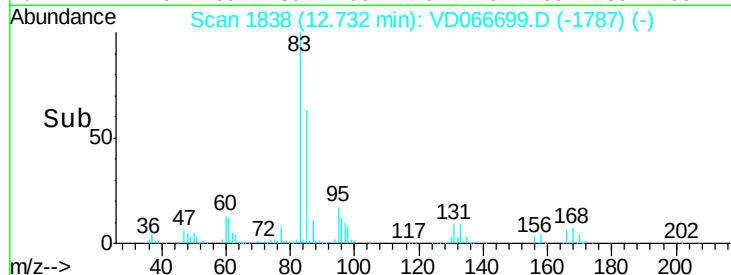
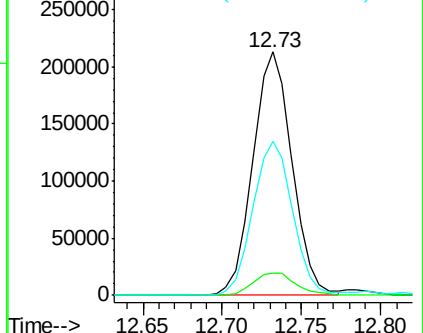
83 100

131 10.4 5.8 17.3

85 64.2 33.3 99.8



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: 195.675 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066699.D

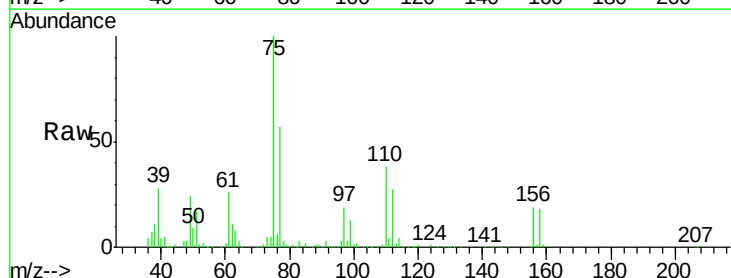
Acq: 15 Sep 2020 15:16

Tgt Ion: 75 Resp: 500648

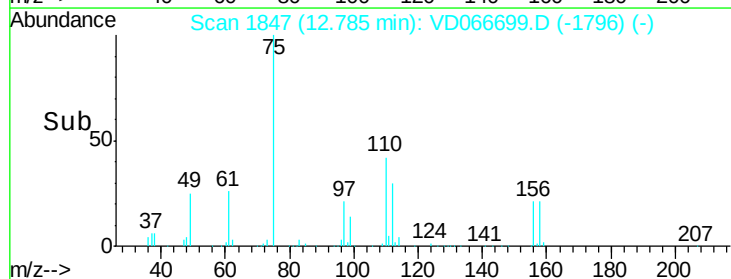
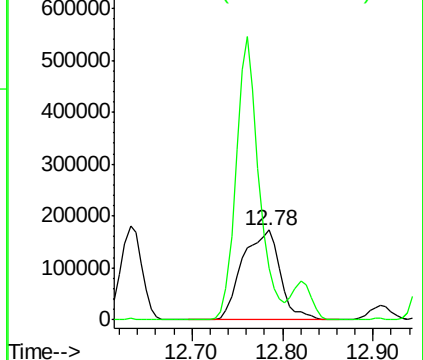
Ion Ratio Lower Upper

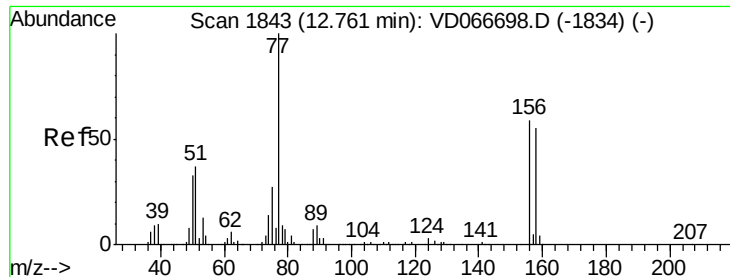
75 100

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: 98.722 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

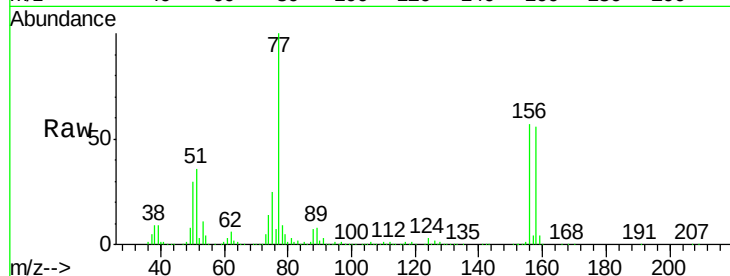
Tgt Ion:156 Resp: 513507

Ion Ratio Lower Upper

156 100

77 187.7 95.8 287.3

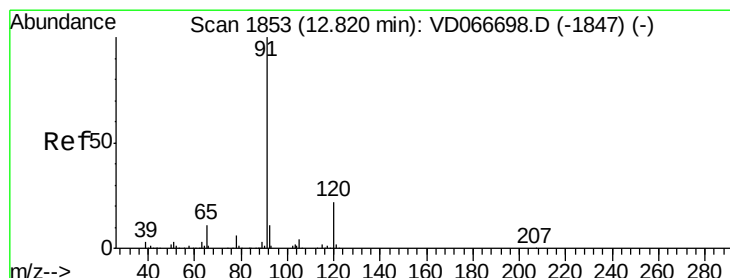
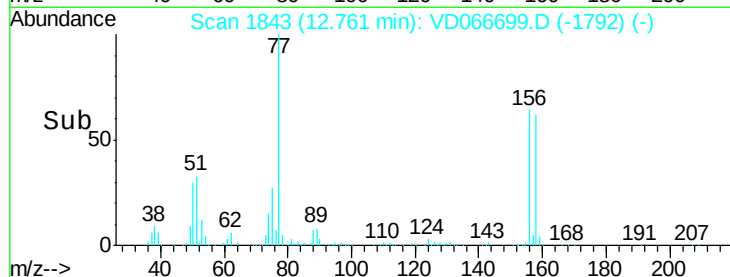
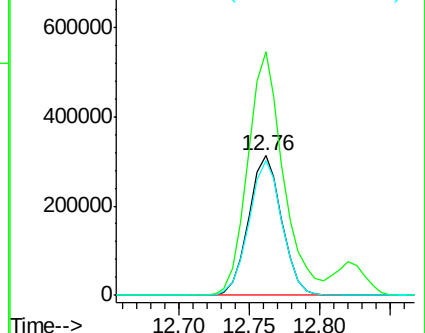
158 96.5 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 105.075 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066699.D

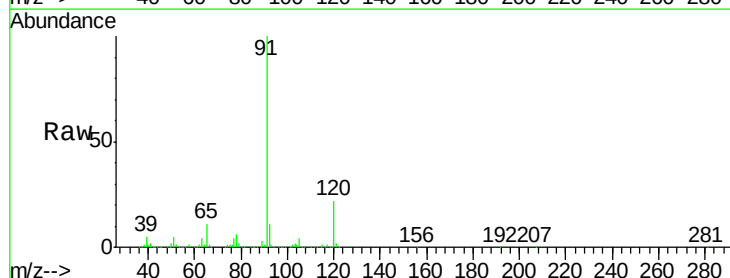
Acq: 15 Sep 2020 15:16

Tgt Ion: 91 Resp: 2890700

Ion Ratio Lower Upper

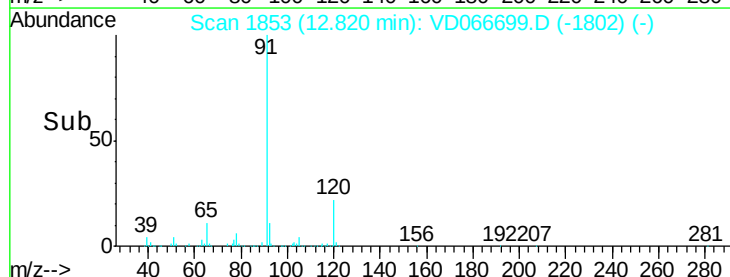
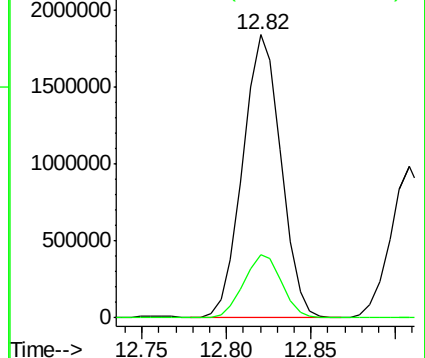
91 100

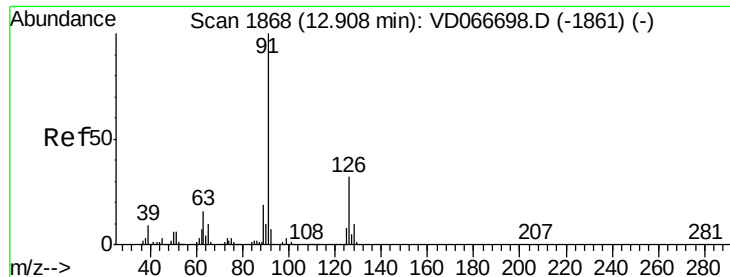
120 22.4 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 102.530 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

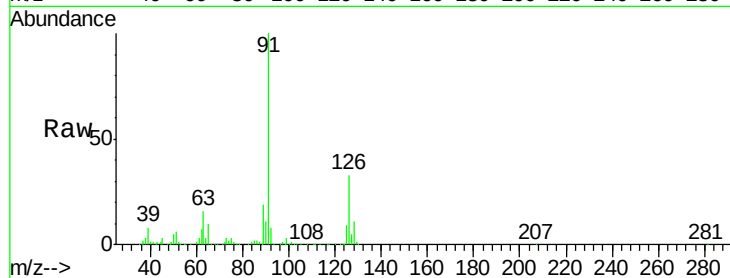
VSTDIC100

Tgt Ion: 91 Resp: 1594953

Ion Ratio Lower Upper

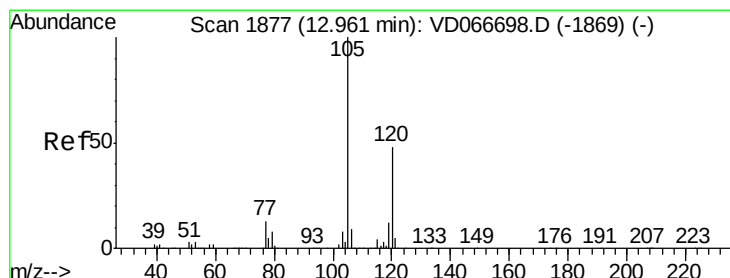
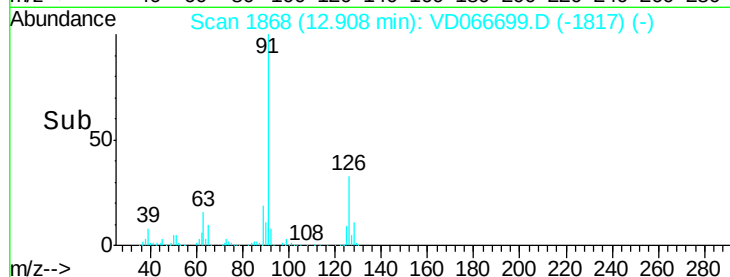
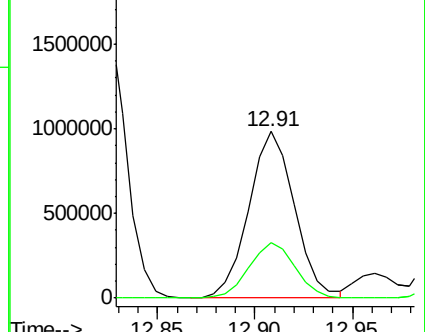
91 100

126 33.3 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VD066699.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066699.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 106.728 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066699.D

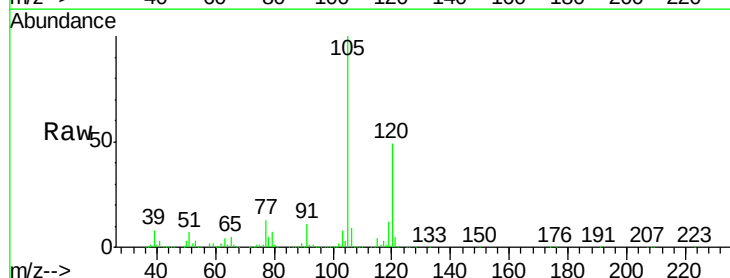
Acq: 15 Sep 2020 15:16

Tgt Ion: 105 Resp: 2036574

Ion Ratio Lower Upper

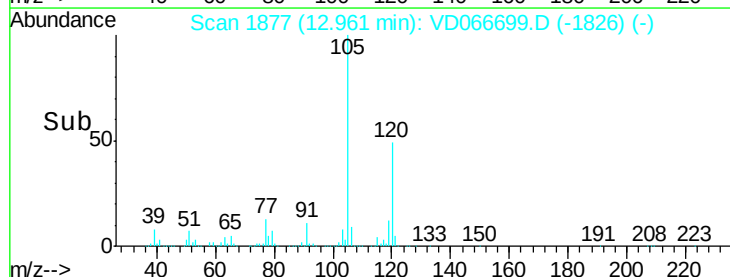
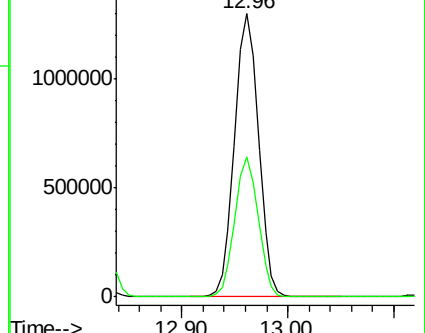
105 100

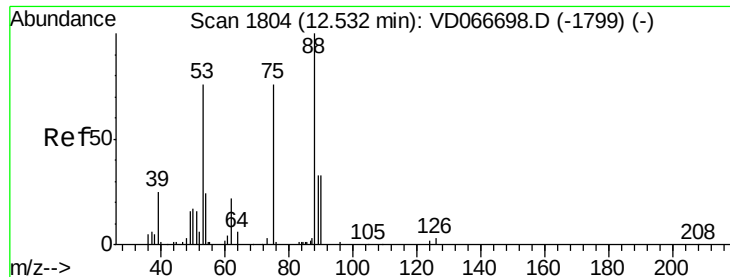
120 48.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VD066699.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066699.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 99.905 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

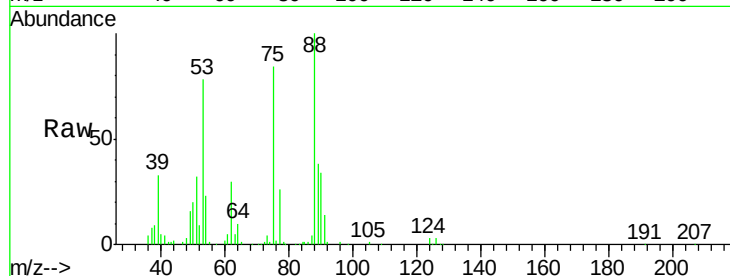
Tgt Ion: 75 Resp: 119786

Ion Ratio Lower Upper

75 100

53 103.6 82.2 123.4

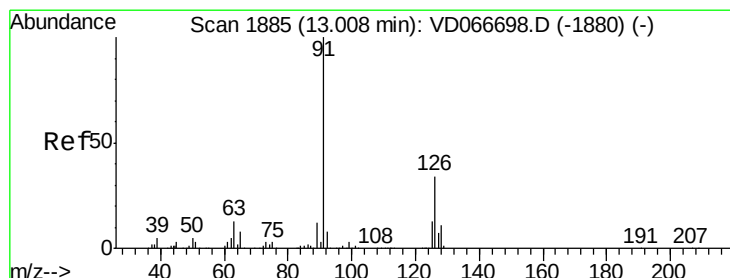
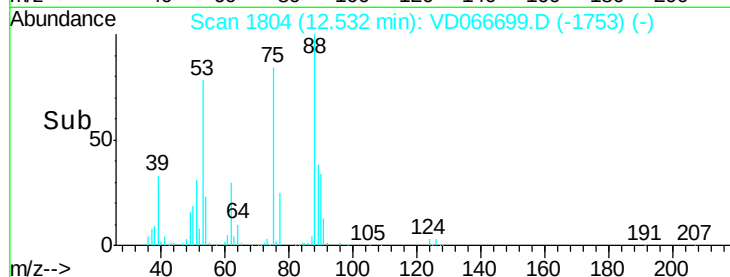
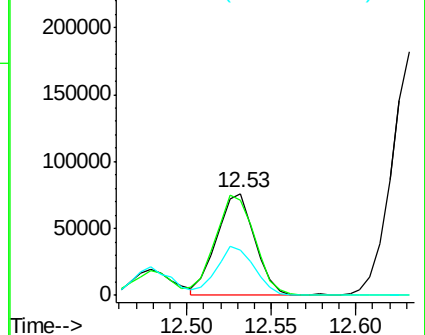
89 47.7 39.6 59.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 101.294 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066699.D

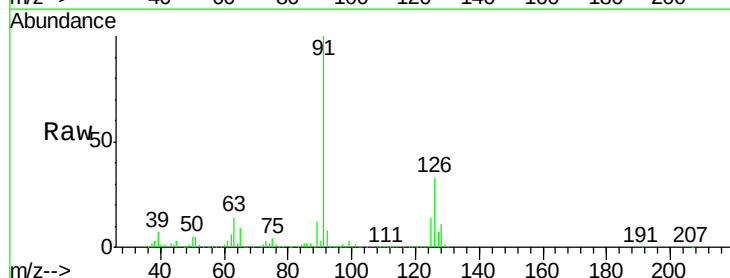
Acq: 15 Sep 2020 15:16

Tgt Ion: 91 Resp: 1666127

Ion Ratio Lower Upper

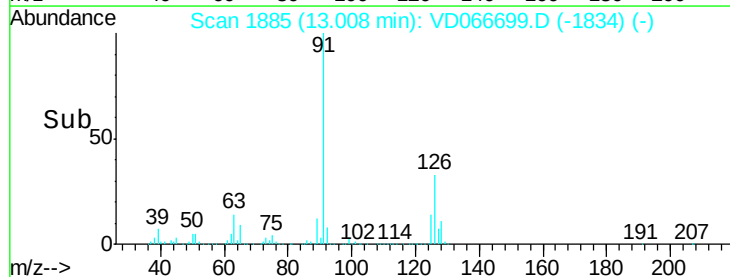
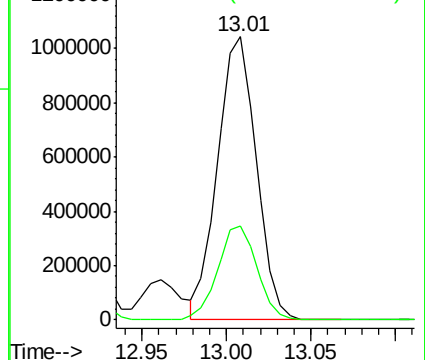
91 100

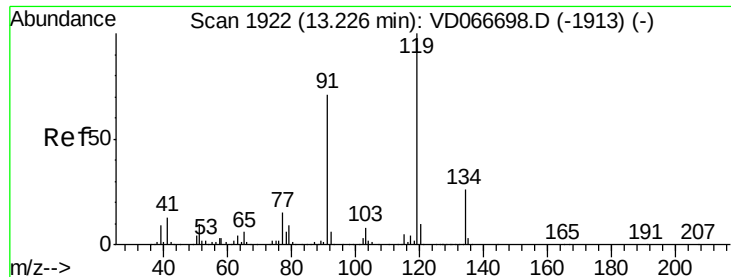
126 33.6 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

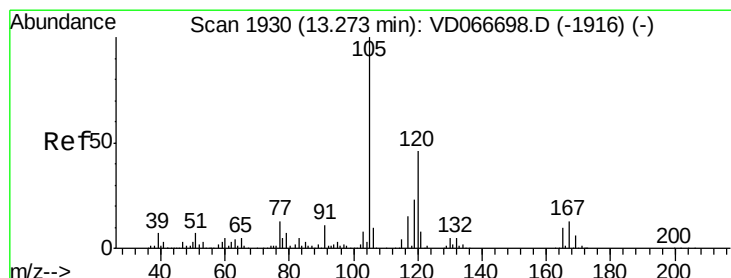
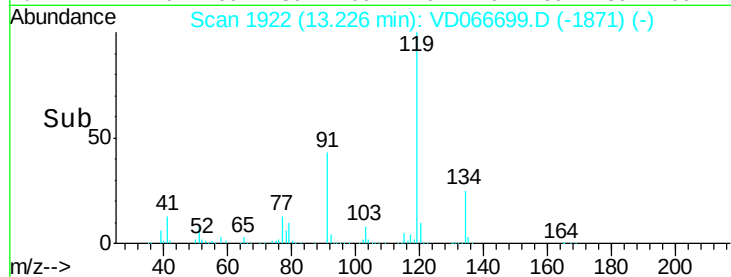
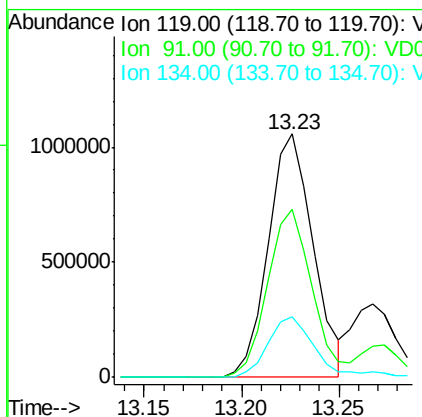
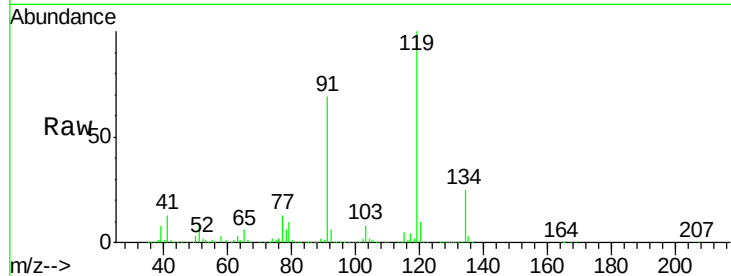




#83
 tert-Butylbenzene
 Concen: 107.459 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

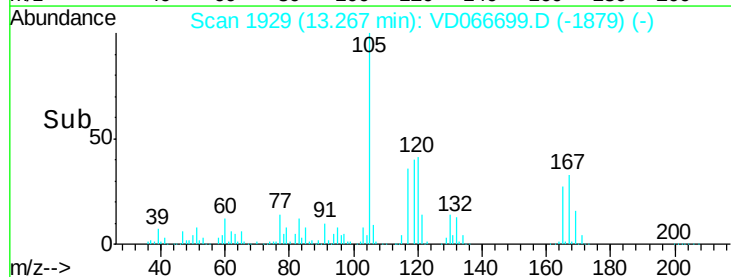
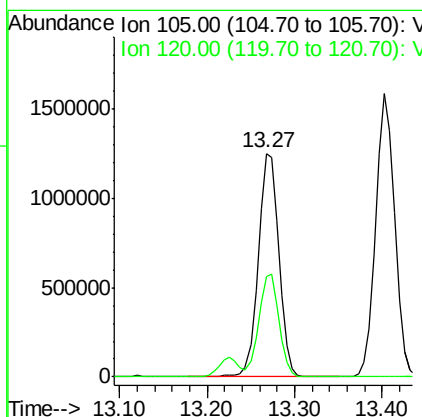
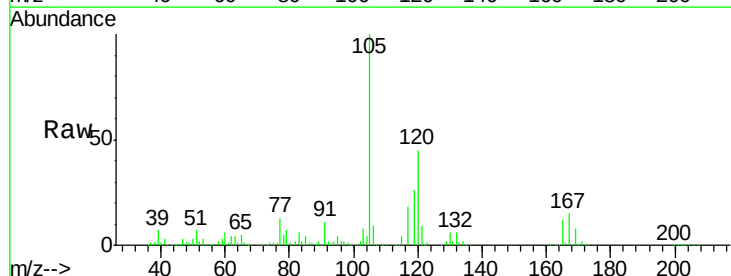
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

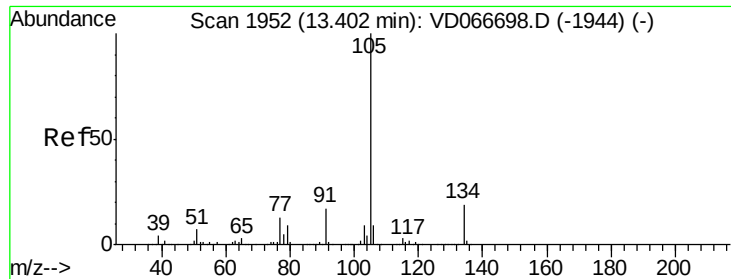
Tgt Ion:119 Resp: 1690057
 Ion Ratio Lower Upper
 119 100
 91 68.7 35.0 105.1
 134 26.7 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 106.756 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion:105 Resp: 2035822
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.4 67.2





#85

sec-Butylbenzene

Concen: 106.367 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

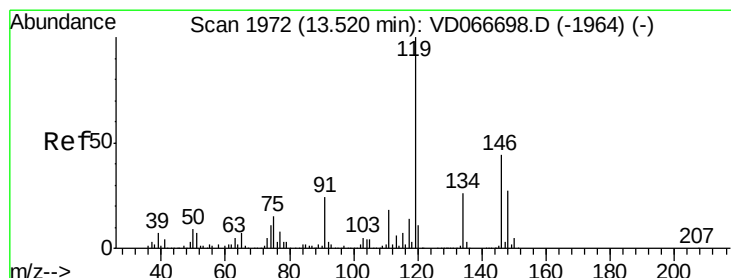
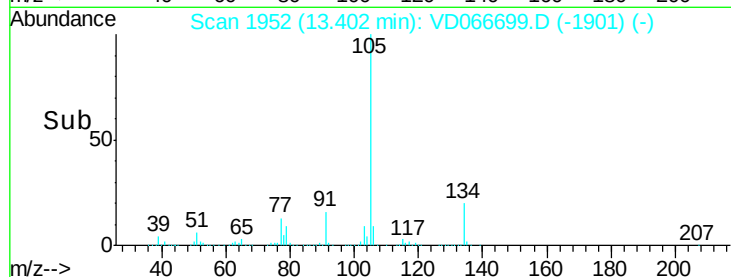
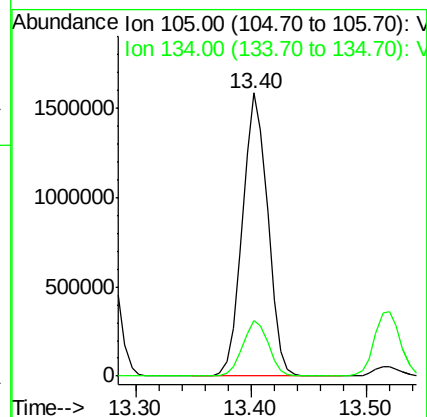
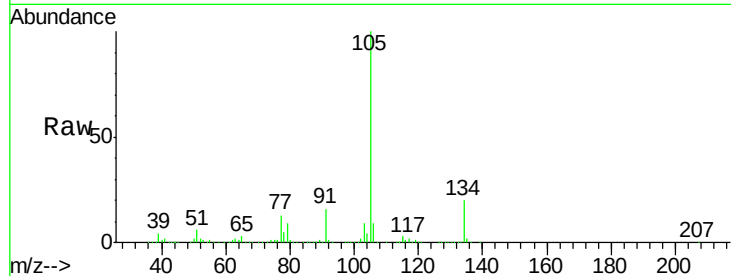
VSTDIC100

Tgt Ion:105 Resp: 2398282

Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0



#86

p-Isopropyltoluene

Concen: 108.117 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

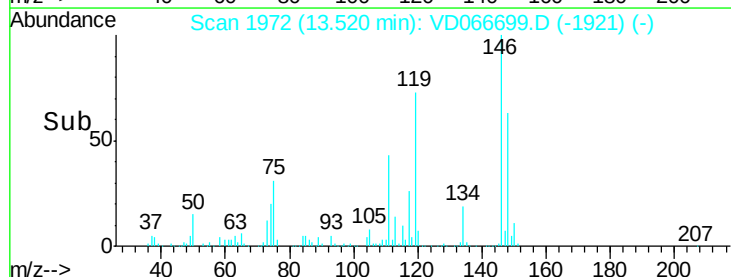
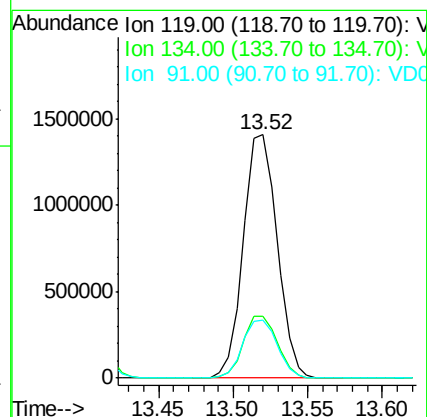
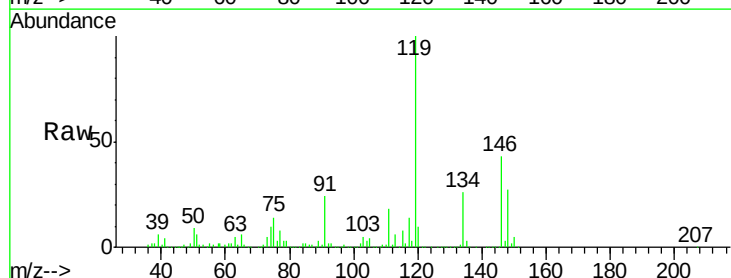
Tgt Ion:119 Resp: 2216222

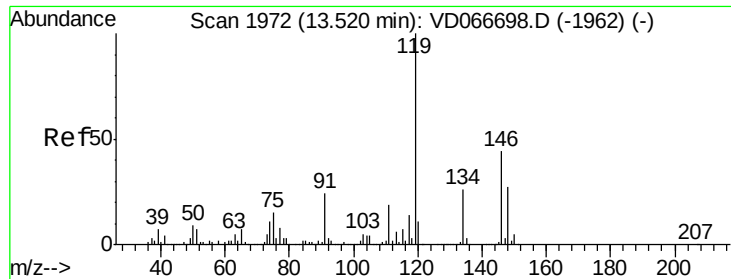
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.3 12.3 36.9

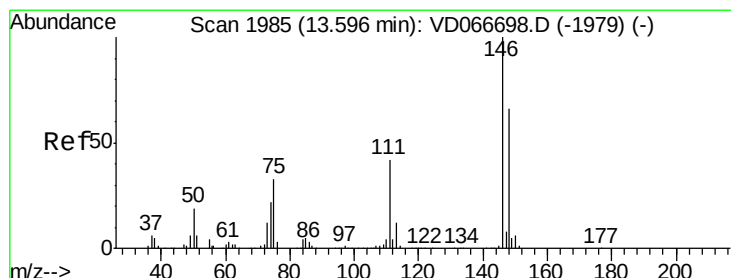
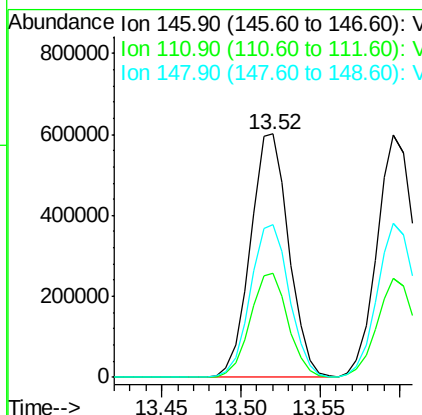
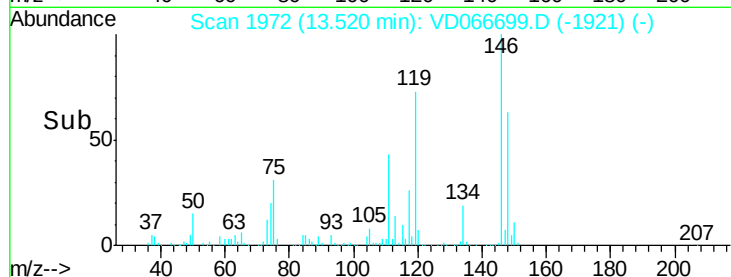
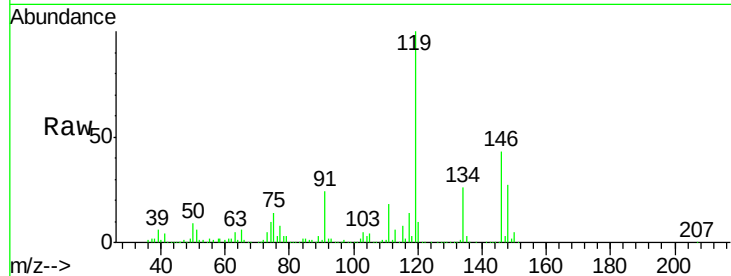




#87
 1,3-Dichlorobenzene
 Concen: 101.461 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

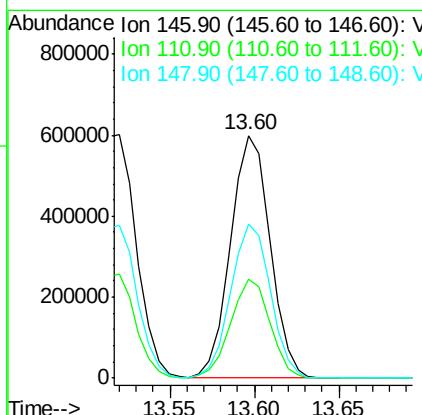
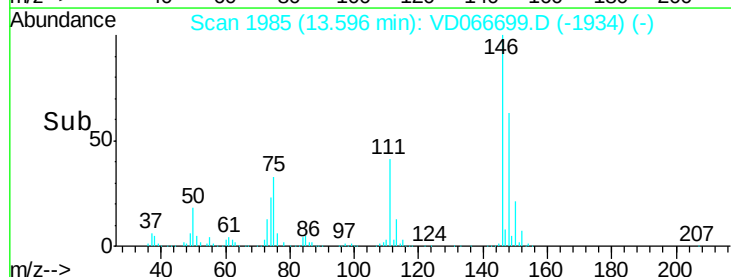
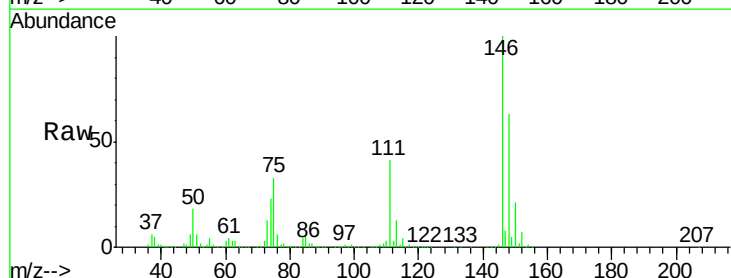
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

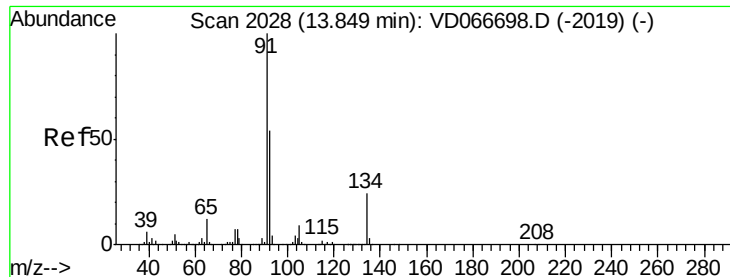
Tgt Ion:146 Resp: 1012512
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.1 63.3
 148 63.8 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 98.683 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion:146 Resp: 980650
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.5 61.6
 148 63.7 32.7 98.1

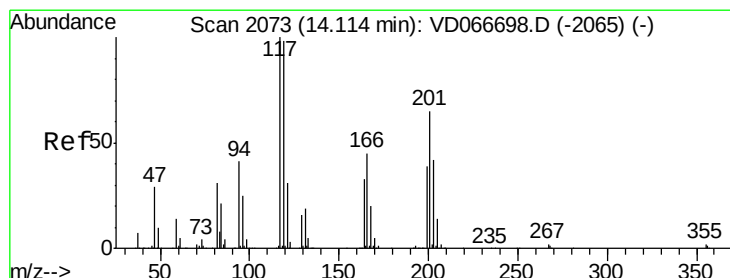
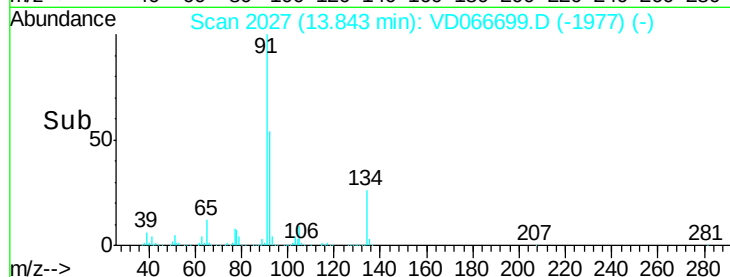
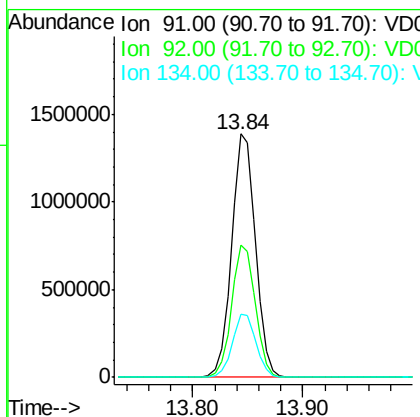
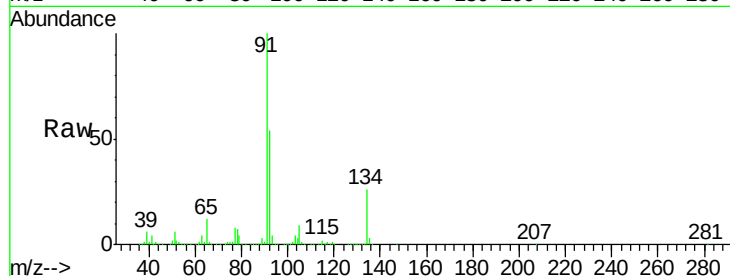




#89
n-Butylbenzene
Concen: 107.370 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

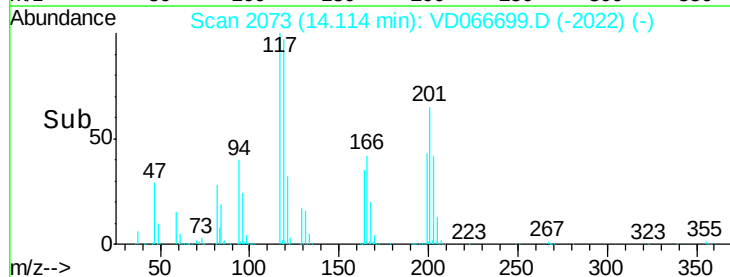
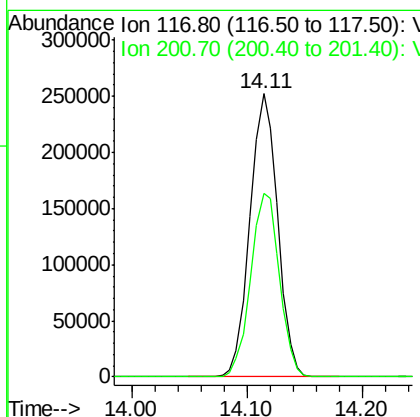
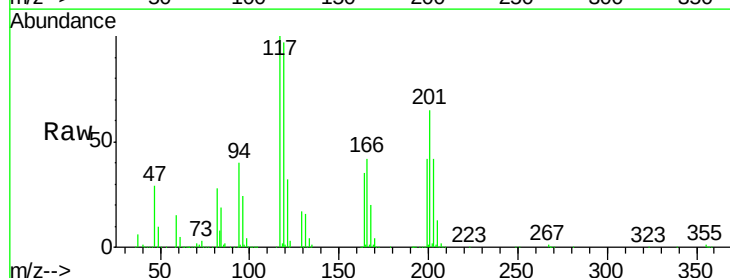
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

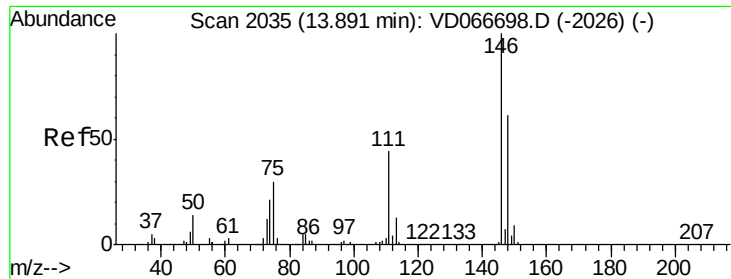
Tgt Ion: 91 Resp: 2092779
Ion Ratio Lower Upper
91 100
92 54.2 27.0 81.0
134 25.7 12.4 37.0



#90
Hexachloroethane
Concen: 100.485 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 117 Resp: 423137
Ion Ratio Lower Upper
117 100
201 67.2 33.1 99.3

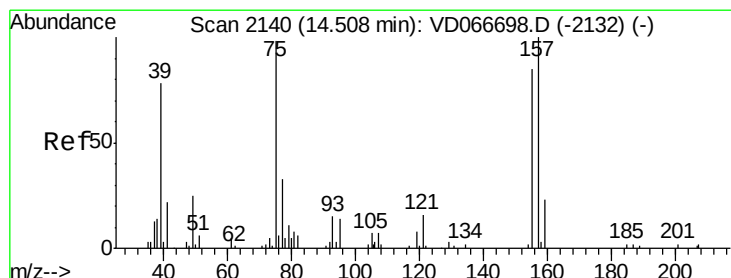
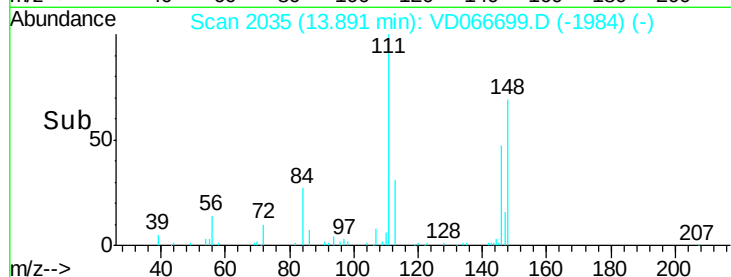
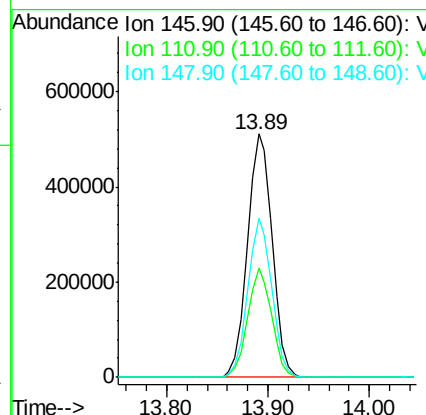
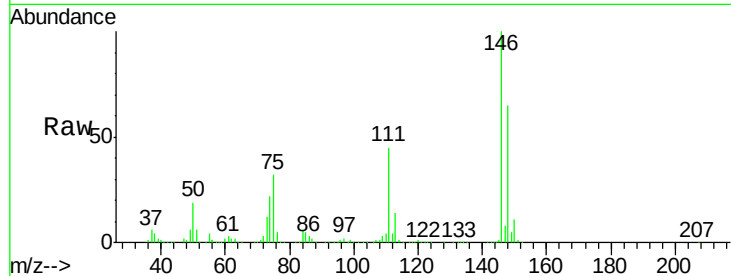




#91
 1,2-Dichlorobenzene
 Concen: 100.488 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

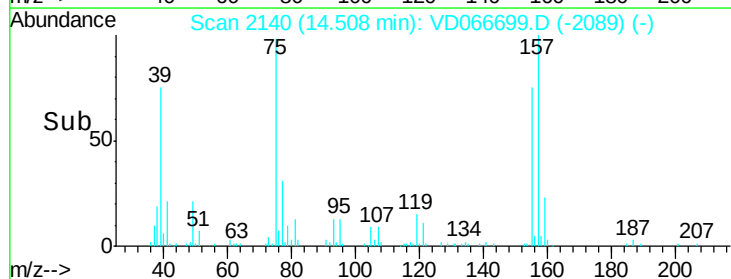
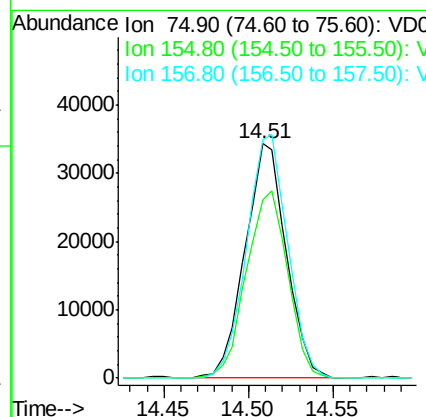
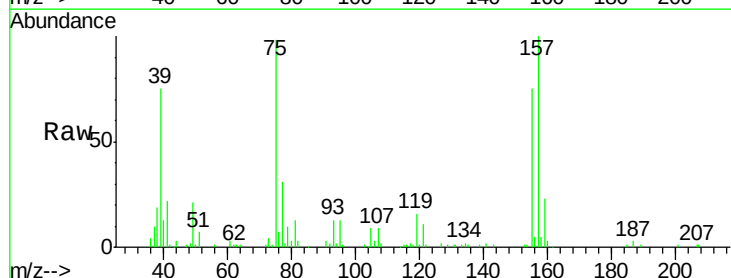
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

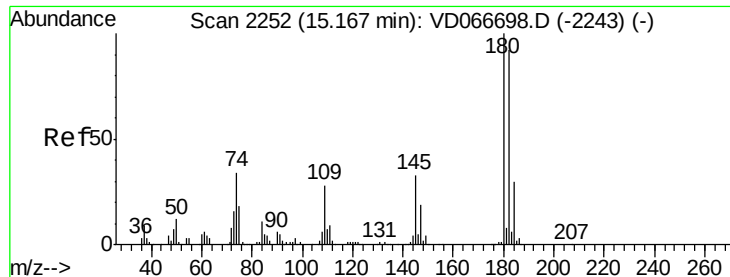
Tgt Ion:146 Resp: 859256
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.6 64.6
 148 63.5 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.575 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion: 75 Resp: 58008
 Ion Ratio Lower Upper
 75 100
 155 80.2 38.9 116.7
 157 103.7 46.4 139.2





#93

1,2,4-Trichlorobenzene

Concen: 104.611 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

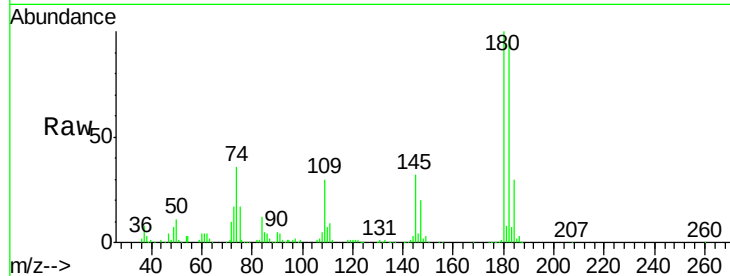
Tgt Ion:180 Resp: 541021

Ion Ratio Lower Upper

180 100

182 95.1 46.6 139.7

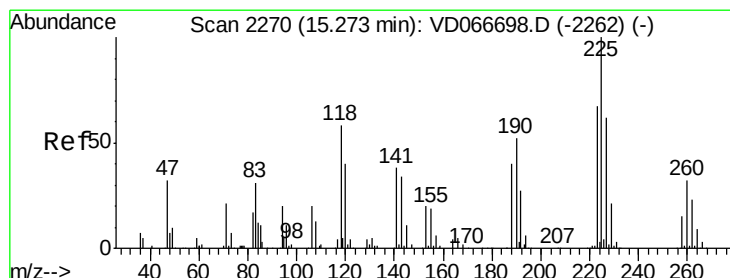
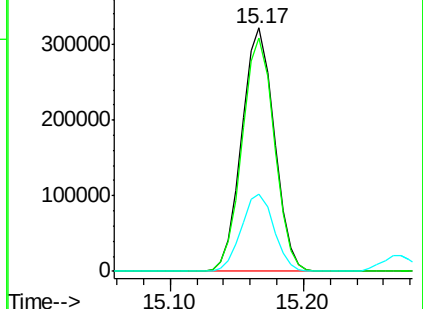
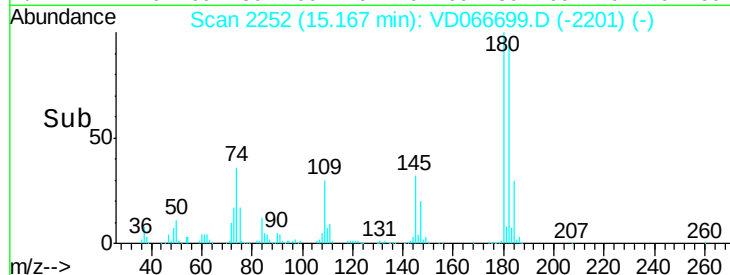
145 32.1 16.5 49.5



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: 100.917 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

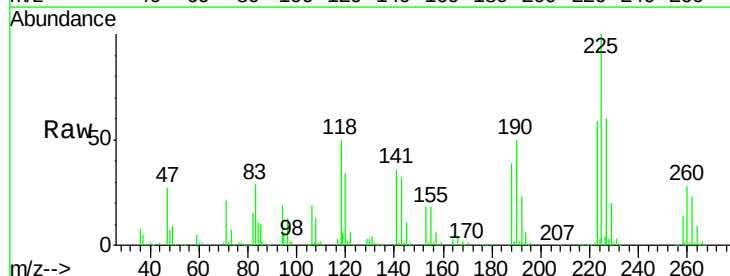
Tgt Ion:225 Resp: 314450

Ion Ratio Lower Upper

225 100

223 64.1 31.9 95.9

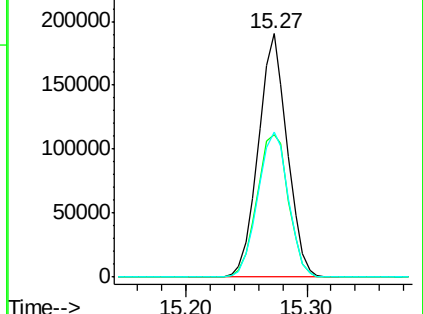
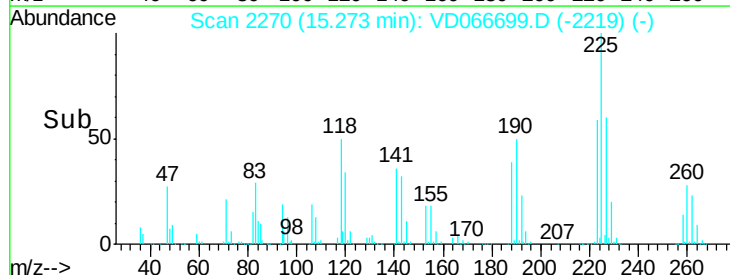
227 63.3 31.3 93.9

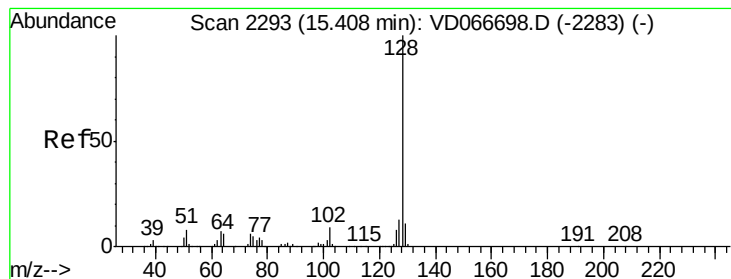


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 109.561 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

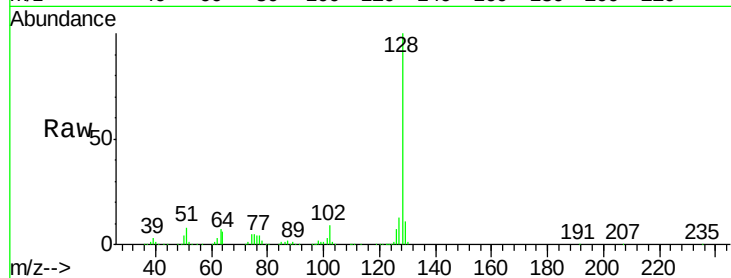
Tgt Ion:128 Resp: 989997

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

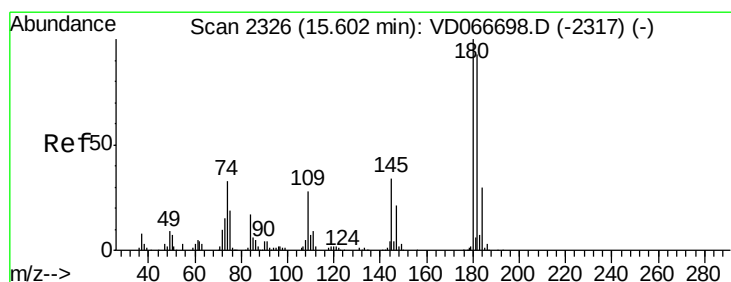
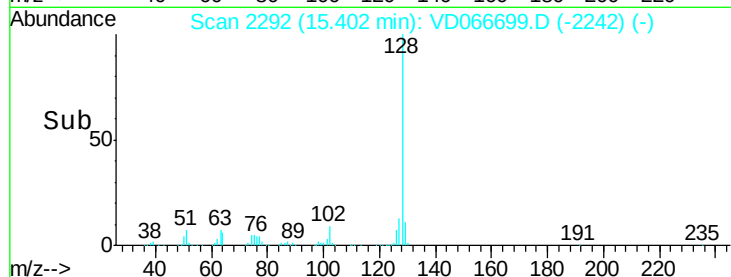
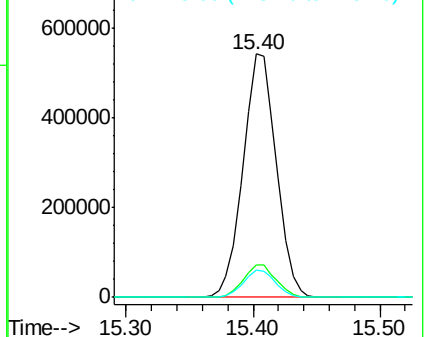
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 102.164 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

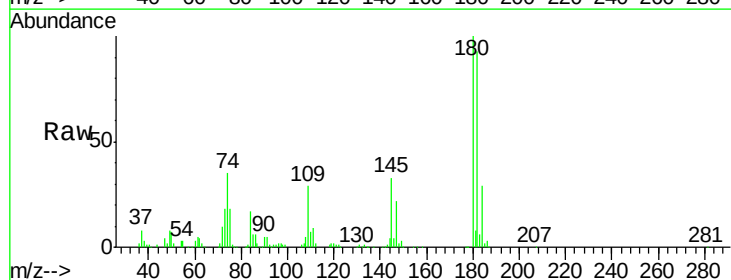
Tgt Ion:180 Resp: 461508

Ion Ratio Lower Upper

180 100

182 95.6 46.6 139.8

145 34.2 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

