

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072632.D
 Acq On : 19 Apr 2022 18:41
 Operator : VA/SY
 Sample : N2447-02
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Apr 20 05:04:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

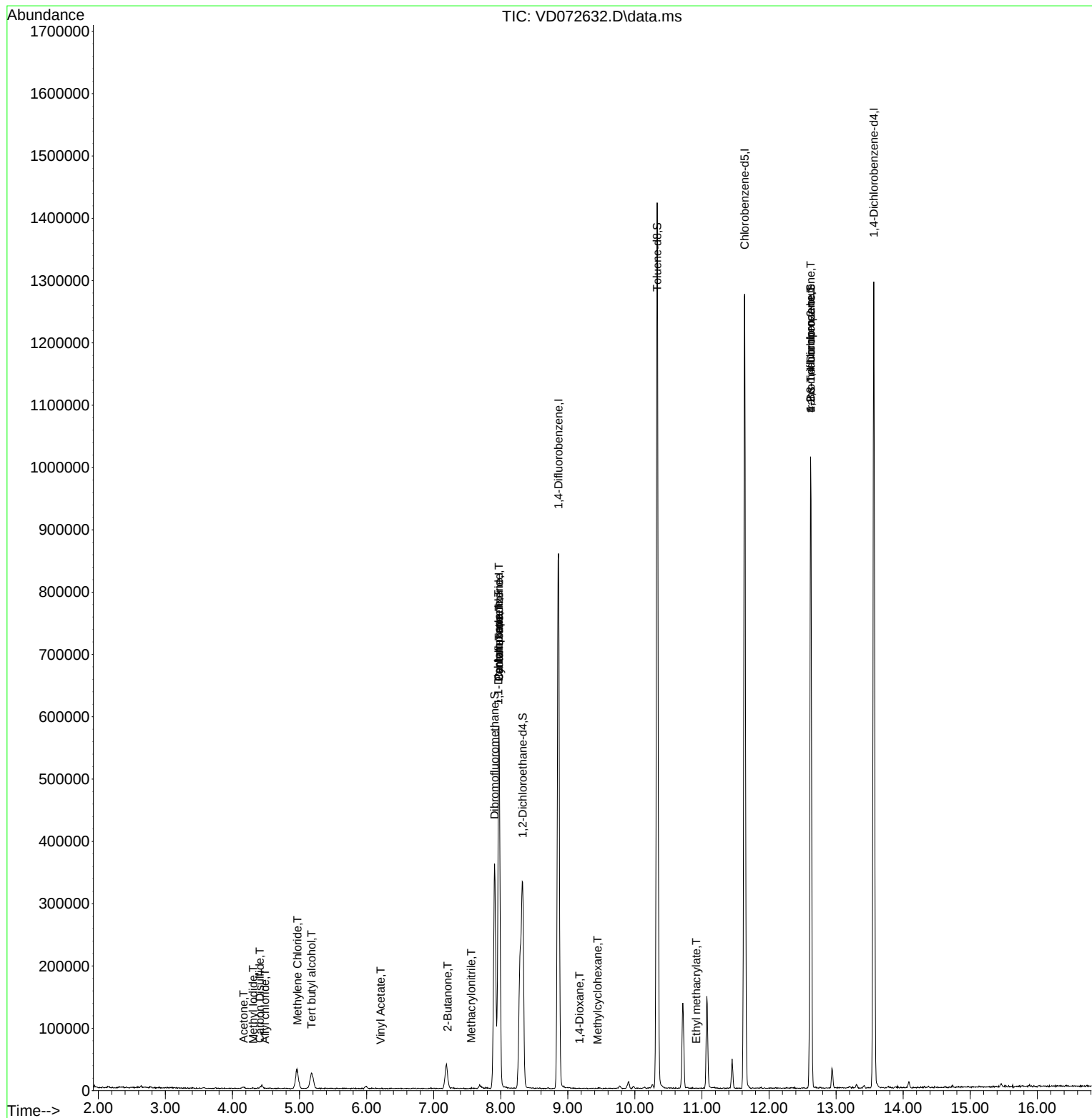
Internal Standards						
1) Pentafluorobenzene	7.973	168	423061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	780852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	756816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	345927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	256709	50.161	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.320%			
35) Dibromofluoromethane	7.909	113	262226	43.212	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.420%			
50) Toluene-d8	10.332	98	935736	44.361	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.720%			
62) 4-Bromofluorobenzene	12.620	95	332041	40.306	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.620%			
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	906	3.916	ug/l #	66
11) Tert butyl alcohol	5.179	59	21052	77.894	ug/l #	75
14) Allyl chloride	4.485	41	89	1.140	ug/l #	22
16) Acetone	4.168	43	4438	4.651	ug/l #	87
17) Carbon Disulfide	4.409	76	1659	3.813	ug/l #	74
20) Methylene Chloride	4.968	84	24116	4.245	ug/l	93
23) Vinyl Acetate	6.209	43	56	6.296	ug/l #	75
25) 2-Butanone	7.209	43	2240	1.697	ug/l	96
31) Cyclohexane	7.973	56	8814	1.317	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	34331	5.452	ug/l #	51
38) Carbon Tetrachloride	7.973	117	45721	5.469	ug/l #	18
39) Methylcyclohexane	9.444	83	108	2.888	ug/l #	17
41) Methacrylonitrile	7.561	41	61	1.689	ug/l #	27
49) 1,4-Dioxane	9.173	88	63	1.712	ug/l #	21
56) Ethyl methacrylate	10.914	69	60	1.201	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	166653	44.171	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	166653	108.388	ug/l #	7

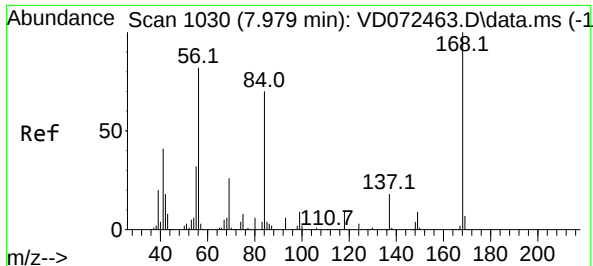
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 30 02:44:36 2022
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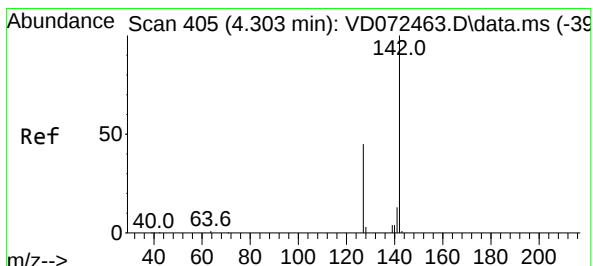
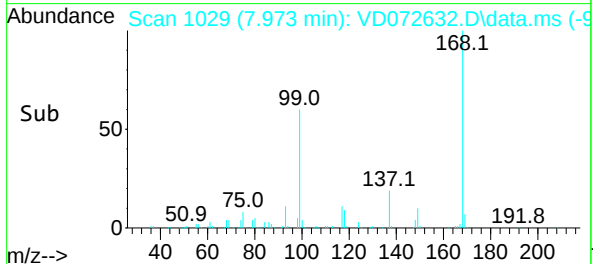
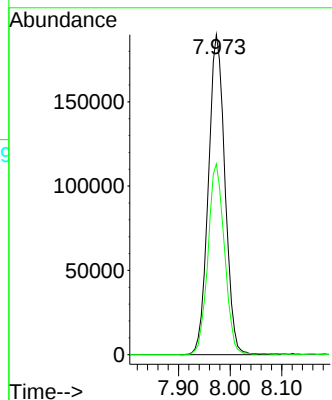
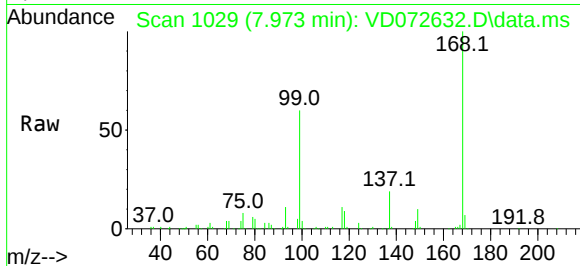




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

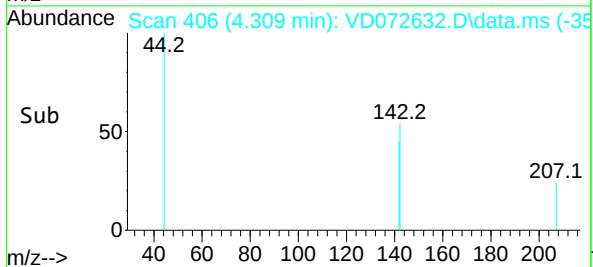
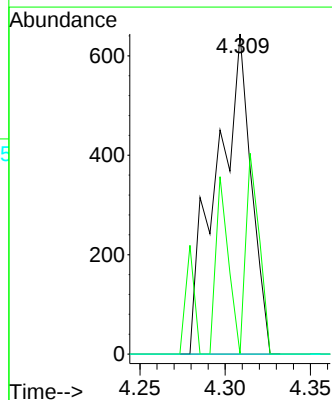
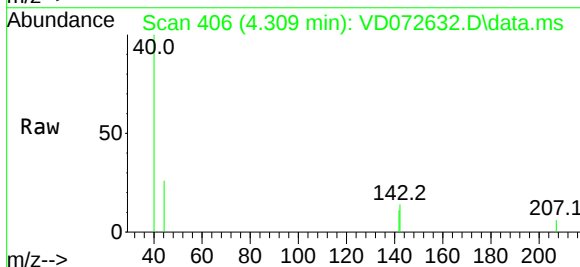
Instrument :
MSVOA_D
ClientSampleId :
VOC

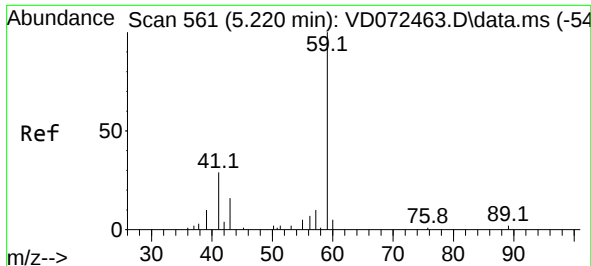
Tgt Ion:168 Resp: 423061
Ion Ratio Lower Upper
168 100
99 59.6 49.8 74.6



#10
Methyl Iodide
Concen: 3.916 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

Tgt Ion:142 Resp: 906
Ion Ratio Lower Upper
142 100
127 24.5 37.3 55.9#
141 0.0 11.7 17.5#

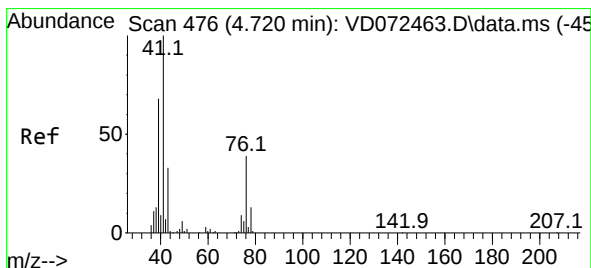
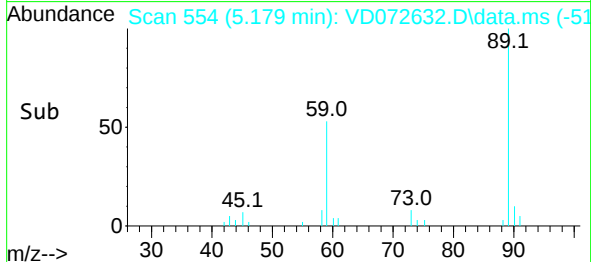
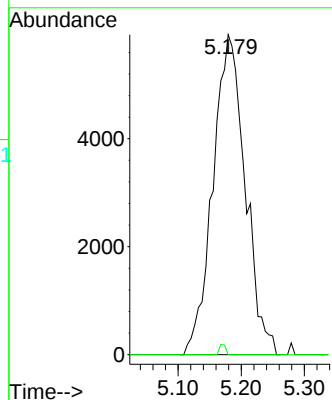
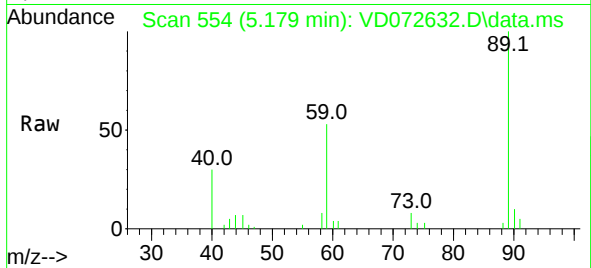




#11
Tert butyl alcohol
Concen: 77.894 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.041 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

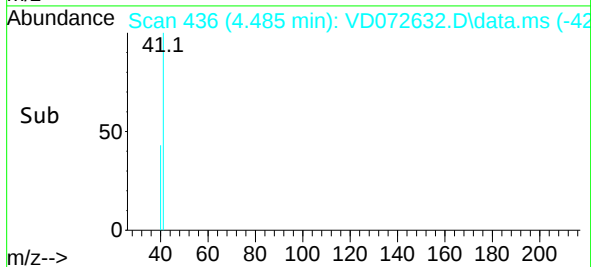
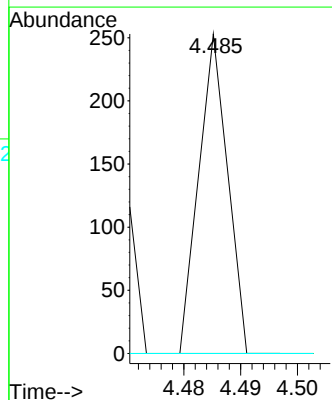
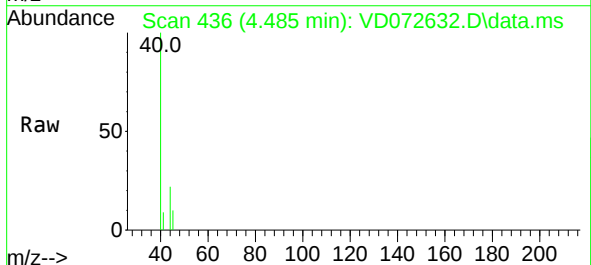
Instrument :
MSVOA_D
ClientSampleId :
VOC

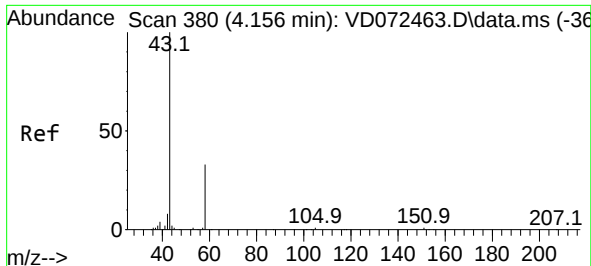
Tgt Ion: 59 Resp: 21052
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.6#



#14
Allyl chloride
Concen: 1.140 ug/l
RT: 4.485 min Scan# 436
Delta R.T. -0.235 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

Tgt Ion: 41 Resp: 89
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

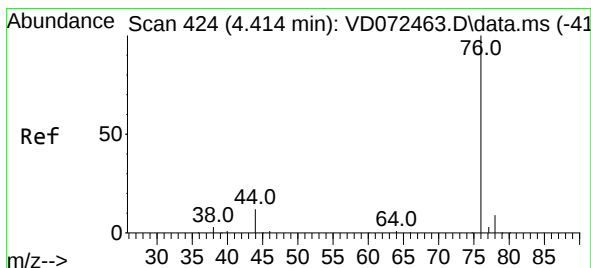
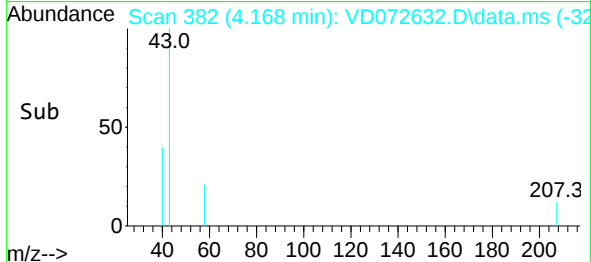
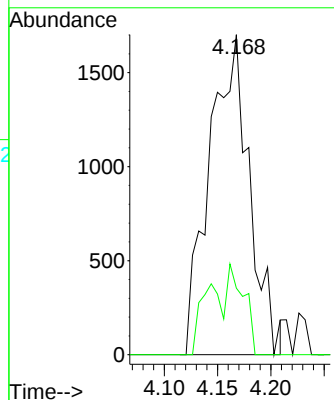
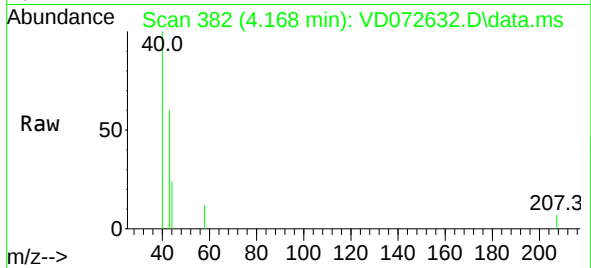




#16
Acetone
Concen: 4.651 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

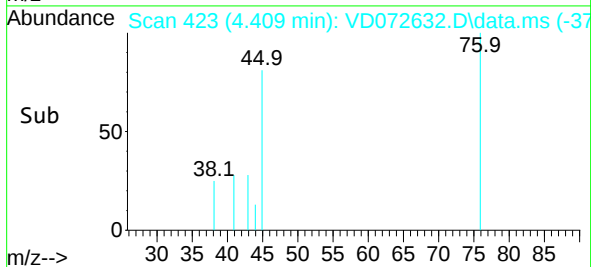
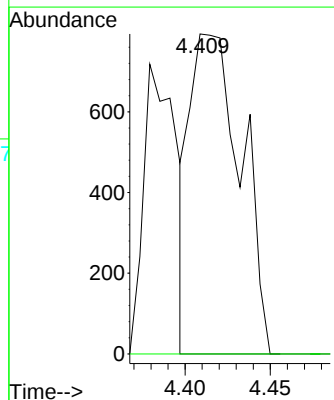
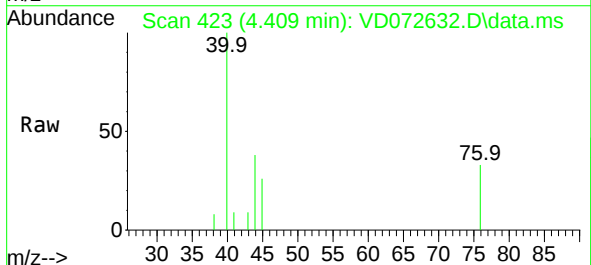
Instrument :
MSVOA_D
ClientSampleId :
VOC

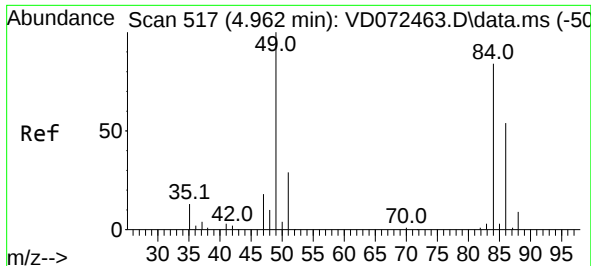
Tgt Ion: 43 Resp: 4438
Ion Ratio Lower Upper
43 100
58 20.8 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.813 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

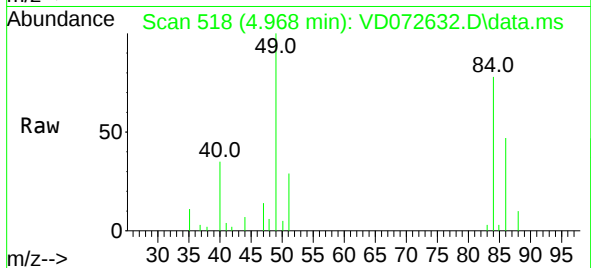
Tgt Ion: 76 Resp: 1659
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



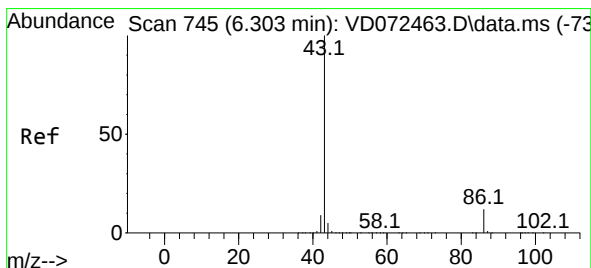
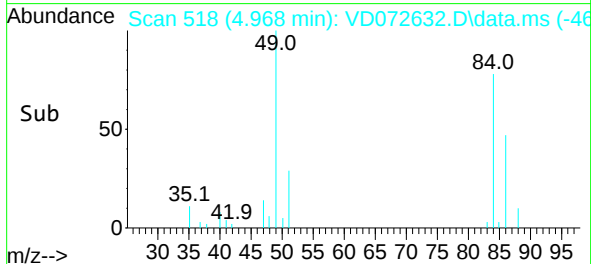
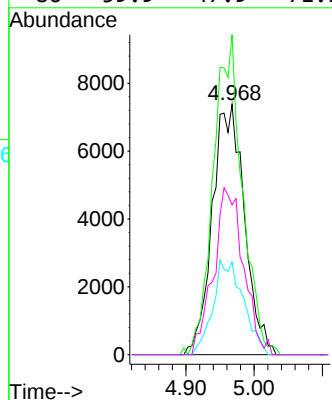


#20
Methylene Chloride
Concen: 4.245 ug/l
RT: 4.968 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

Instrument :
MSVOA_D
ClientSampleId :
VOC

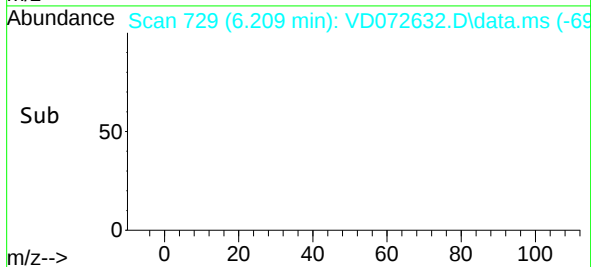
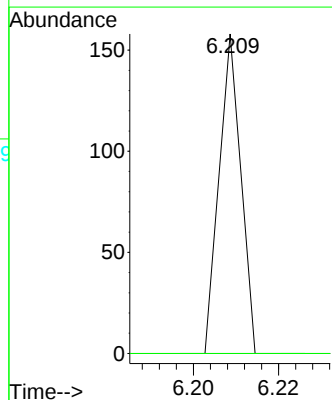
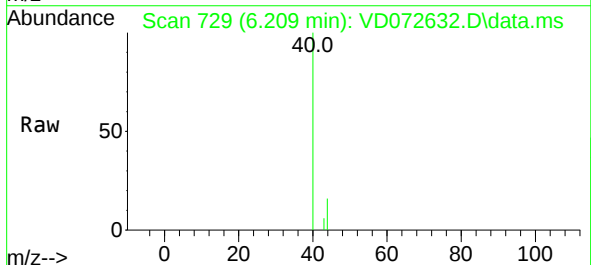


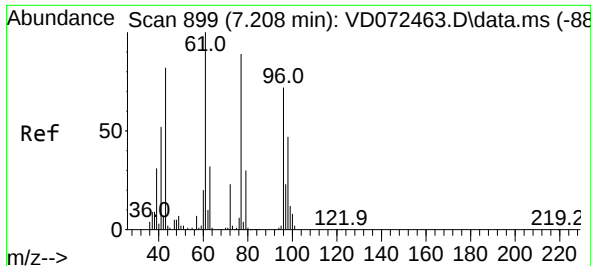
Tgt Ion:	84	Resp:	24116
Ion	Ratio	Lower	Upper
84	100		
49	127.9	112.8	169.2
51	37.0	32.6	48.8
86	59.9	47.9	71.9



#23
Vinyl Acetate
Concen: 6.296 ug/l
RT: 6.209 min Scan# 729
Delta R.T. -0.094 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

Tgt Ion:	43	Resp:	56
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

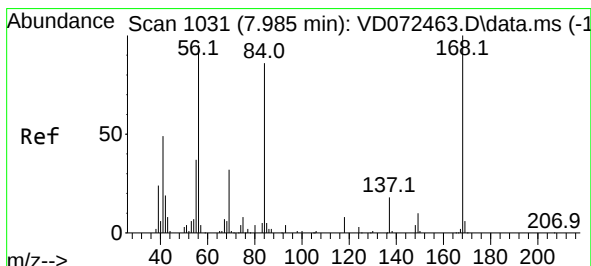
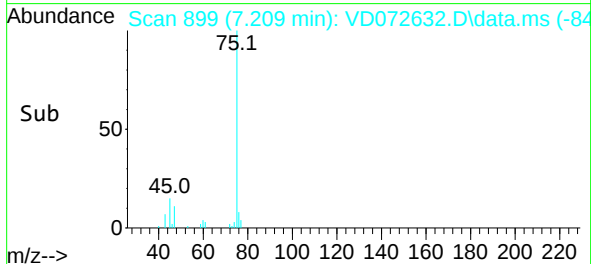
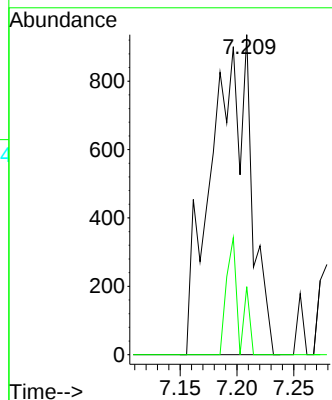
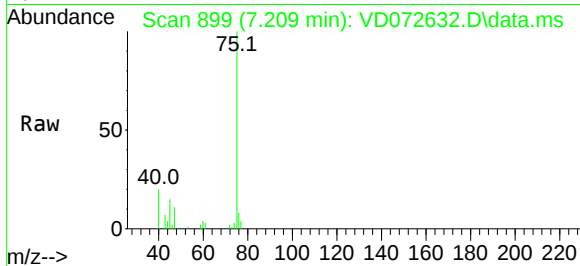




#25
2-Butanone
Concen: 1.697 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

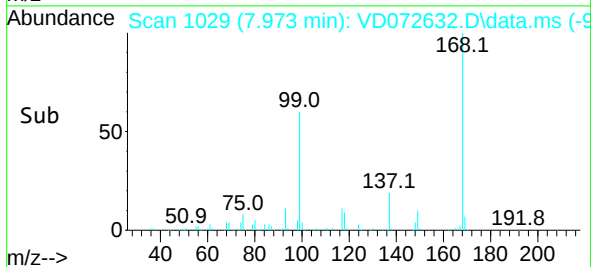
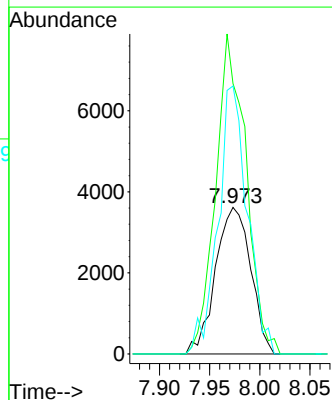
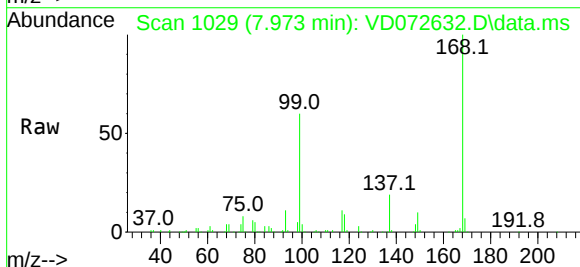
Instrument :
MSVOA_D
ClientSampleId :
VOC

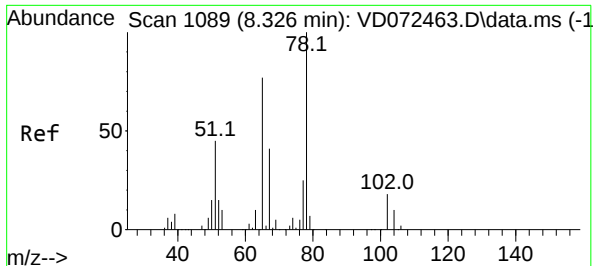
Tgt Ion: 43 Resp: 2240
Ion Ratio Lower Upper
43 100
72 21.3 18.6 27.8



#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

Tgt Ion: 56 Resp: 8814
Ion Ratio Lower Upper
56 100
69 184.6 25.4 38.2#
84 182.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.161 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072632.D

Acq: 19 Apr 2022 18:41

Instrument :

MSVOA_D

ClientSampleId :

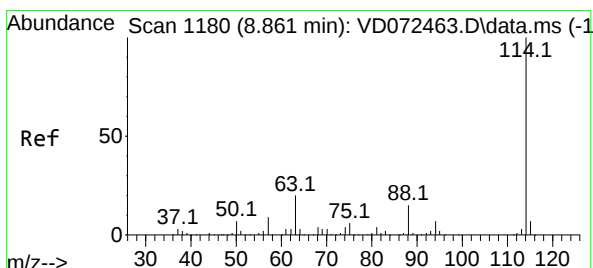
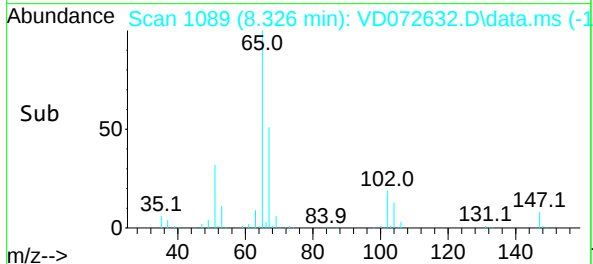
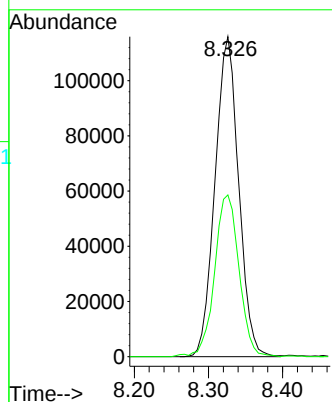
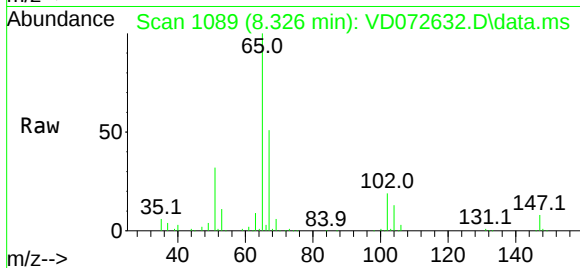
VOC

Tgt Ion: 65 Resp: 256709

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072632.D

Acq: 19 Apr 2022 18:41

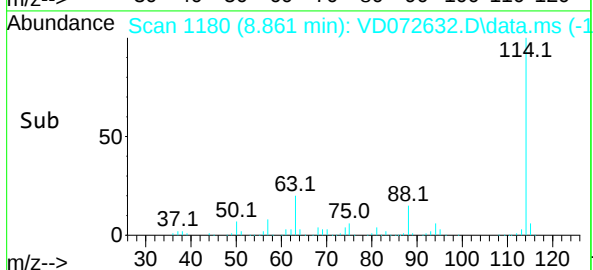
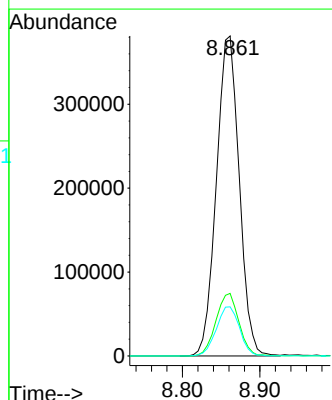
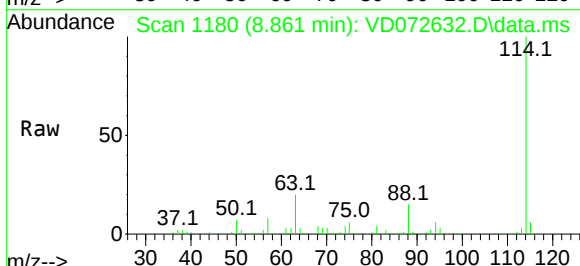
Tgt Ion: 114 Resp: 780852

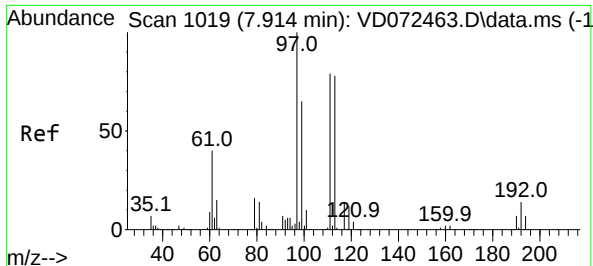
Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 43.212 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072632.D

Acq: 19 Apr 2022 18:41

Instrument :

MSVOA_D

ClientSampleId :

VOC

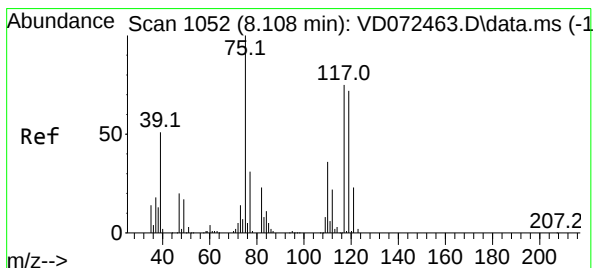
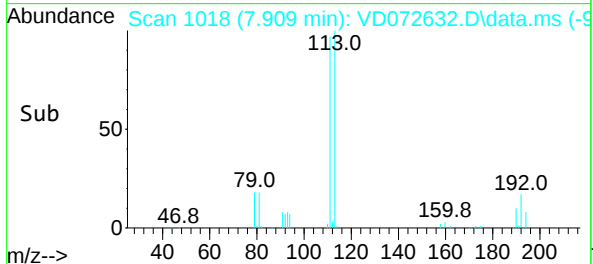
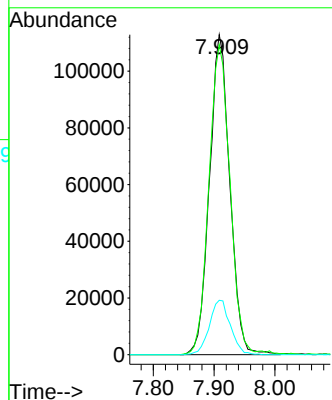
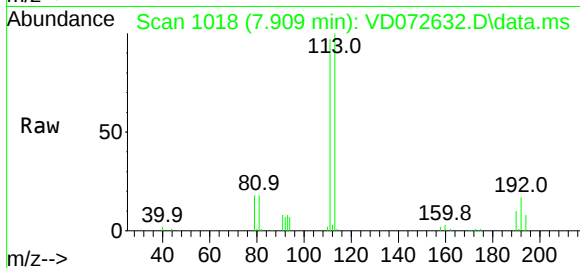
Tgt Ion:113 Resp: 262226

Ion Ratio Lower Upper

113 100

111 100.5 83.8 125.6

192 17.5 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.452 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD072632.D

Acq: 19 Apr 2022 18:41

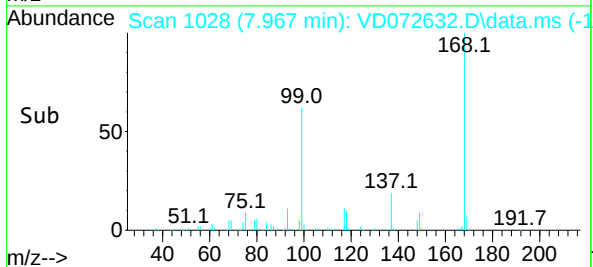
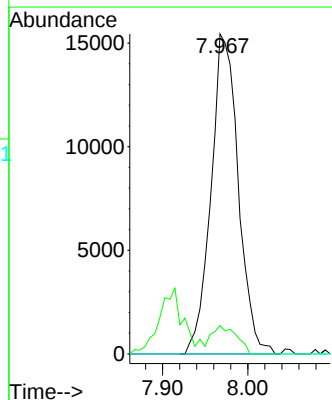
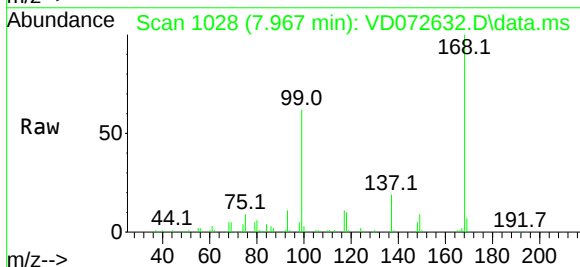
Tgt Ion: 75 Resp: 34331

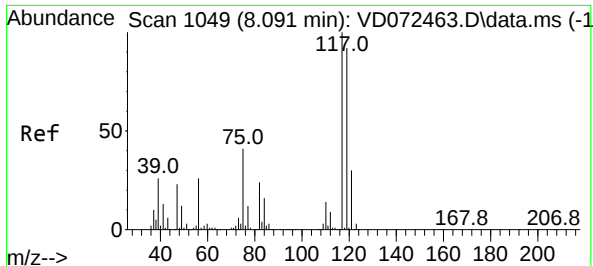
Ion Ratio Lower Upper

75 100

110 8.0 16.4 49.1#

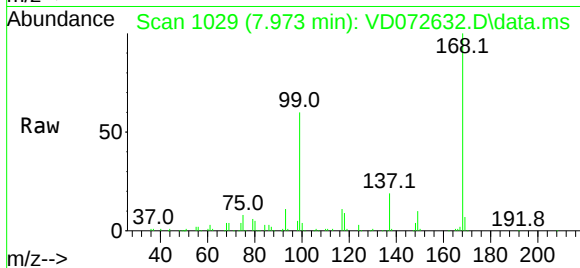
77 0.0 24.2 36.2#



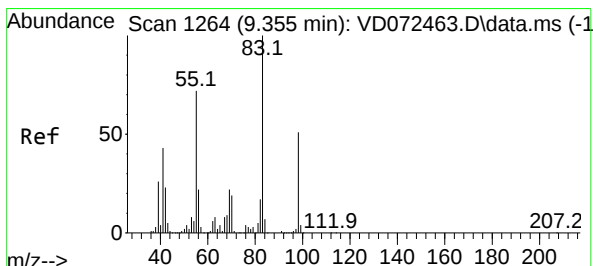
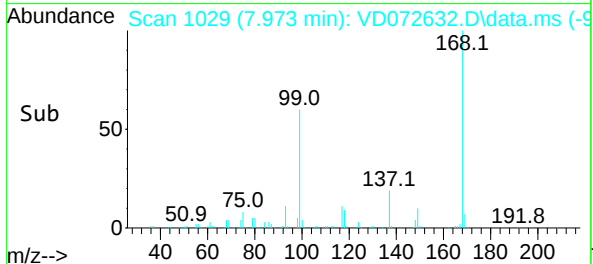
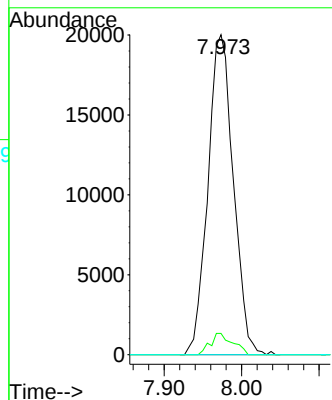


#38
Carbon Tetrachloride
Concen: 5.469 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

Instrument :
MSVOA_D
ClientSampleId :
VOC

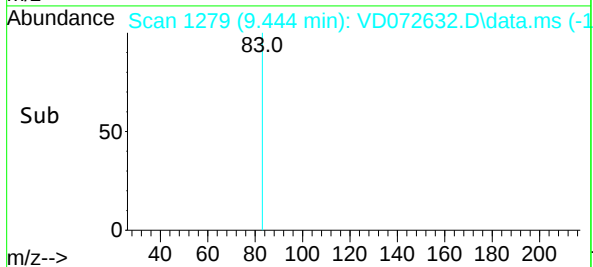
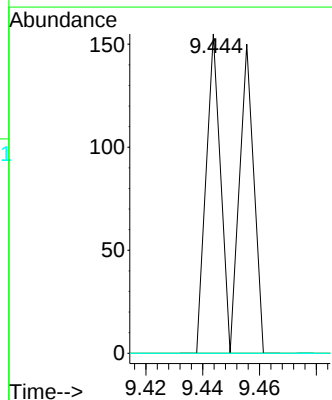
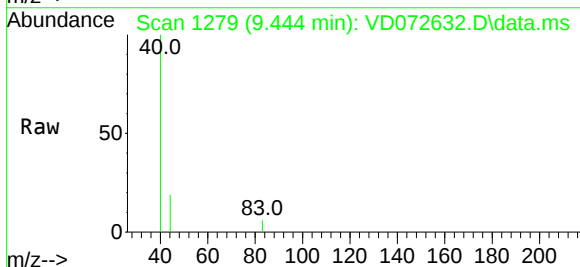


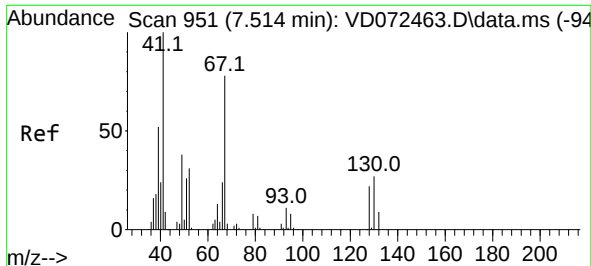
Tgt Ion:117 Resp: 45721
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.888 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. 0.089 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

Tgt Ion: 83 Resp: 108
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#

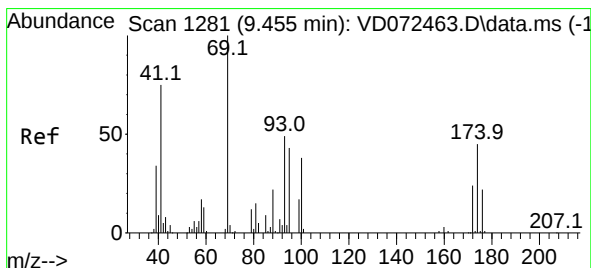
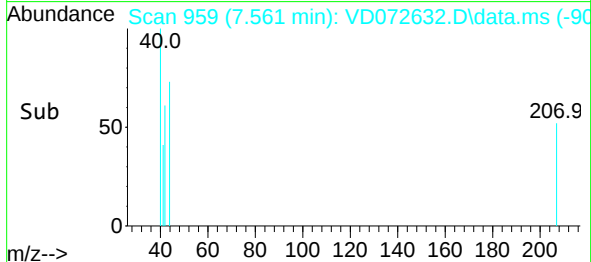
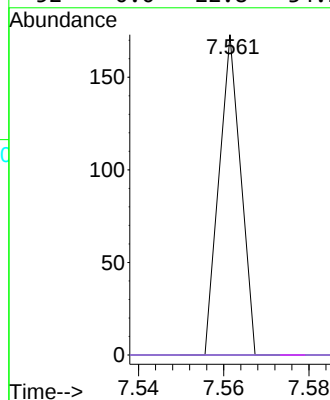
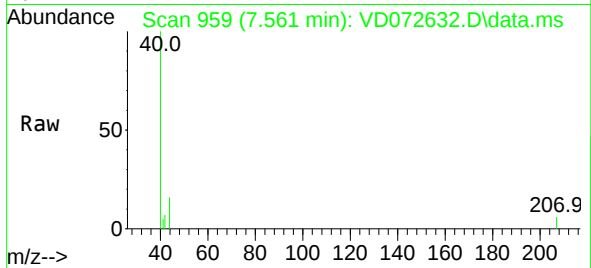




#41
Methacrylonitrile
Concen: 1.689 ug/l
RT: 7.561 min Scan# 91
Delta R.T. 0.047 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

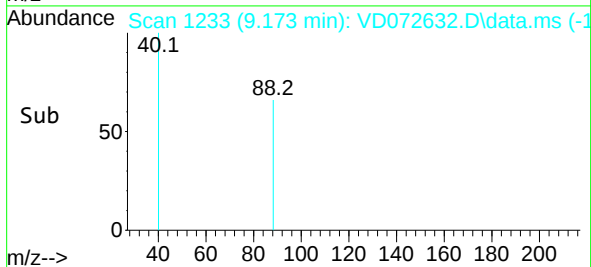
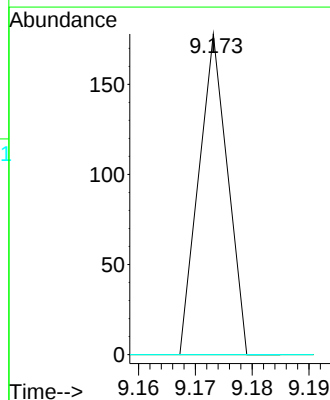
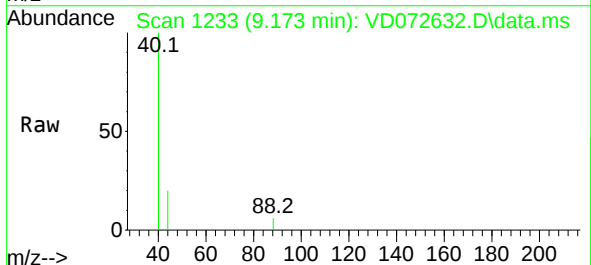
Instrument :
MSVOA_D
ClientSampleId :
VOC

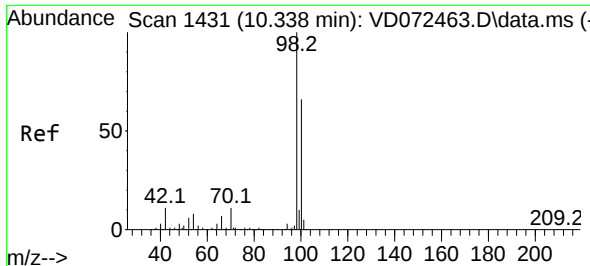
Tgt Ion:	41	Resp:	61
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#49
1,4-Dioxane
Concen: 1.712 ug/l
RT: 9.173 min Scan# 1233
Delta R.T. -0.282 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

Tgt Ion:	88	Resp:	63
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.0	46.4#
58	0.0	58.1	87.1#

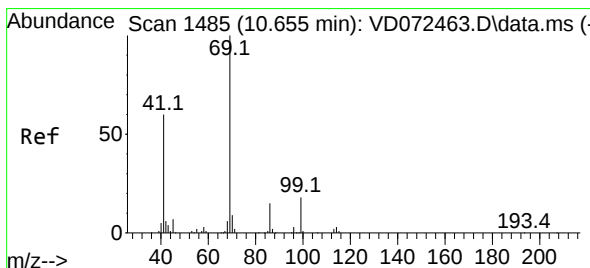
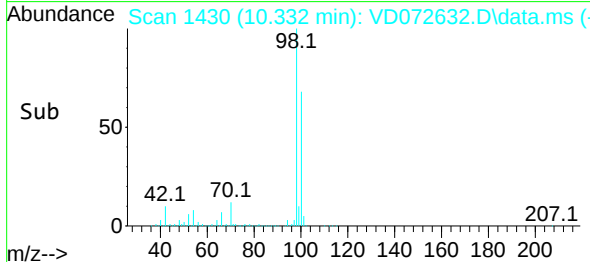
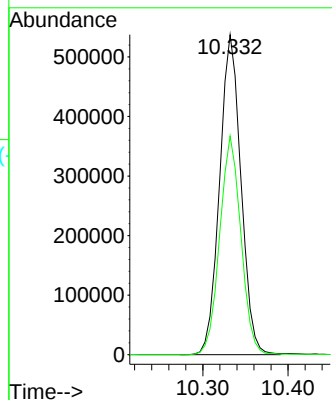
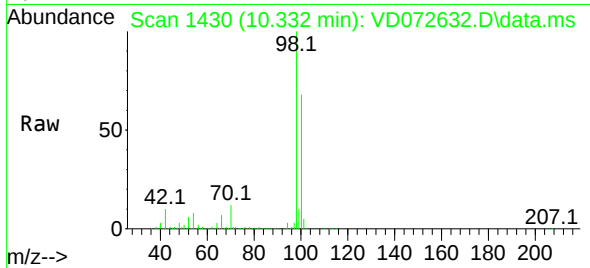




#50
Toluene-d8
Concen: 44.361 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

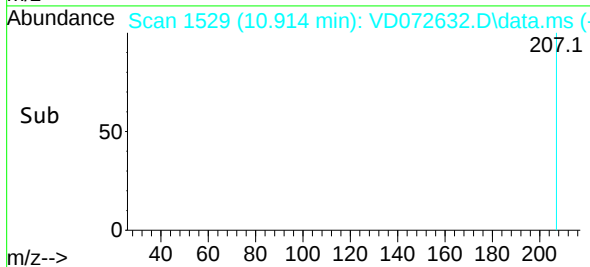
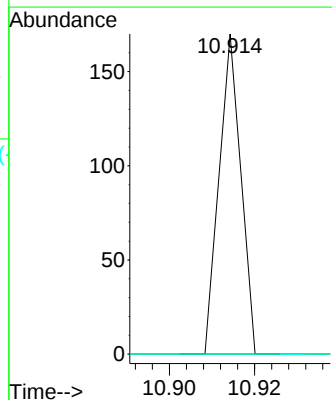
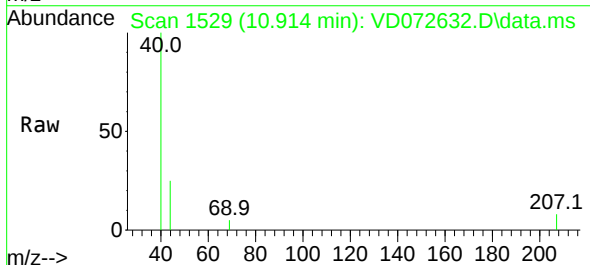
Instrument :
MSVOA_D
ClientSampleId :
VOC

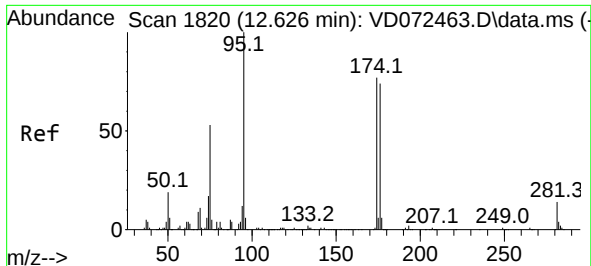
Tgt Ion: 98 Resp: 935736
Ion Ratio Lower Upper
98 100
100 67.8 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.201 ug/l
RT: 10.914 min Scan# 1529
Delta R.T. 0.259 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

Tgt Ion: 69 Resp: 60
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

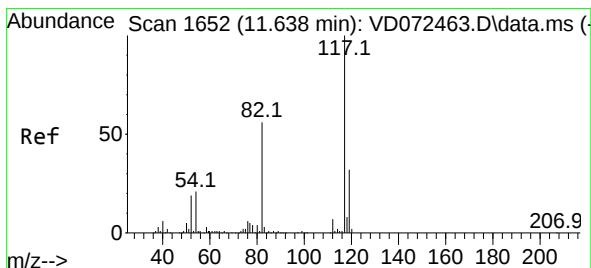
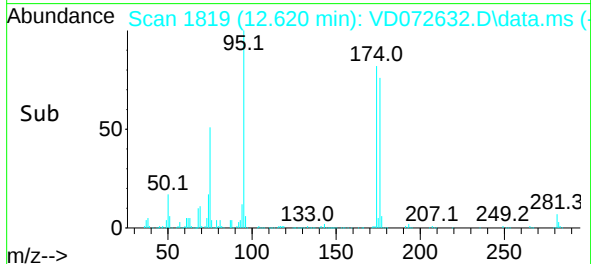
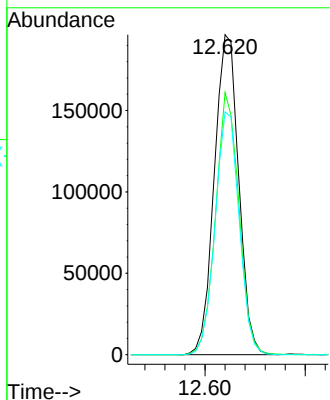
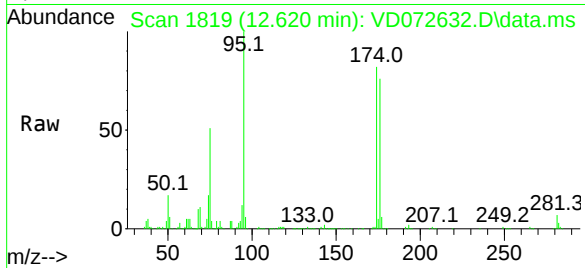




#62
4-Bromofluorobenzene
Concen: 40.306 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

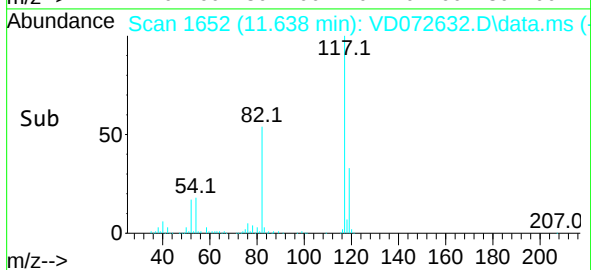
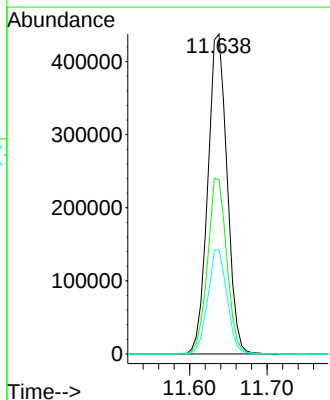
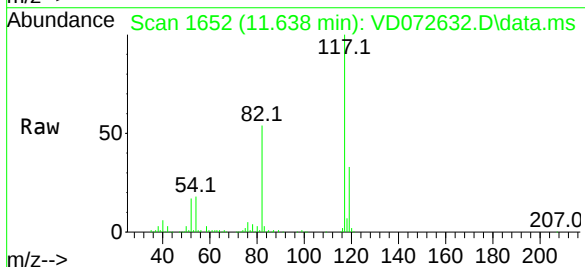
Instrument :
MSVOA_D
ClientSampleId :
VOC

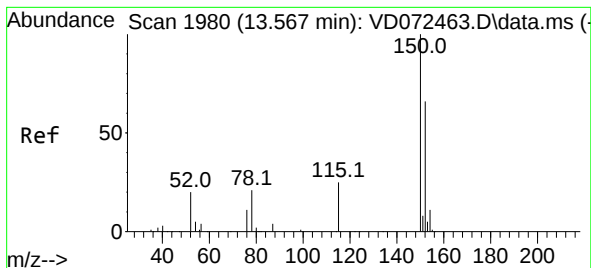
Tgt Ion: 95 Resp: 332041
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.8
176 74.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072632.D
Acq: 19 Apr 2022 18:41

Tgt Ion: 117 Resp: 756816
Ion Ratio Lower Upper
117 100
82 54.4 45.3 67.9
119 32.5 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD072632.D

Acq: 19 Apr 2022 18:41

Instrument :

MSVOA_D

ClientSampleId :

VOC

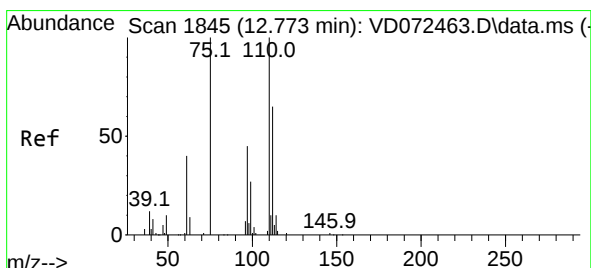
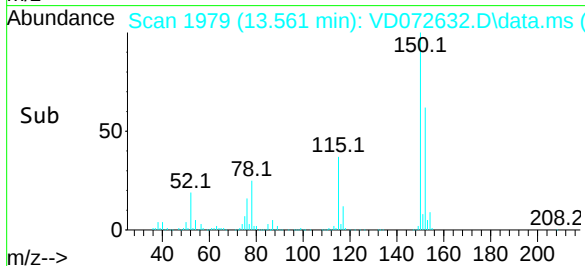
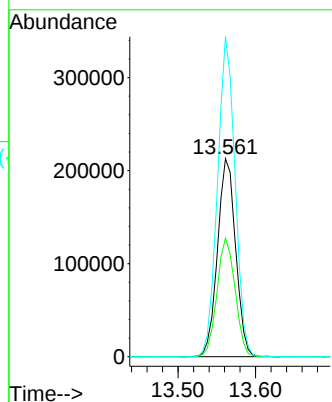
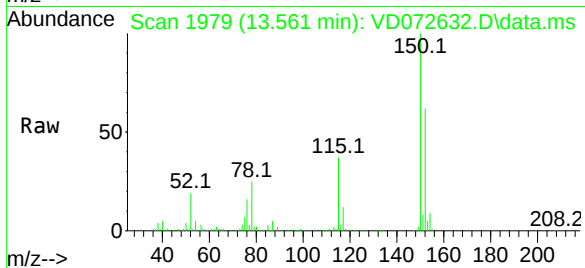
Tgt Ion:152 Resp: 345927

Ion Ratio Lower Upper

152 100

115 59.8 31.3 93.8

150 156.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 44.171 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD072632.D

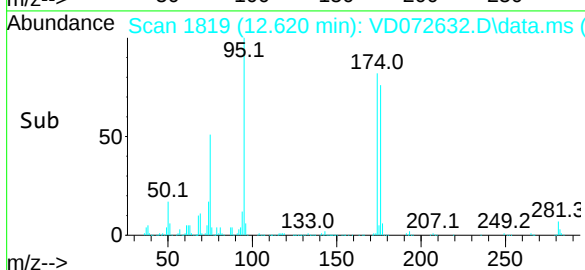
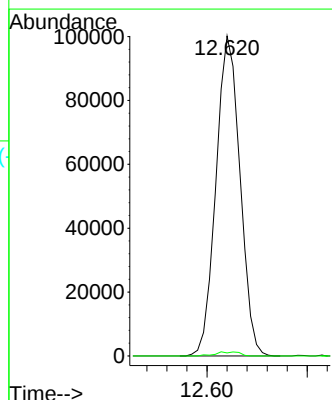
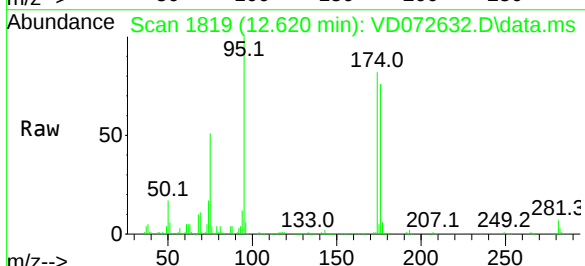
Acq: 19 Apr 2022 18:41

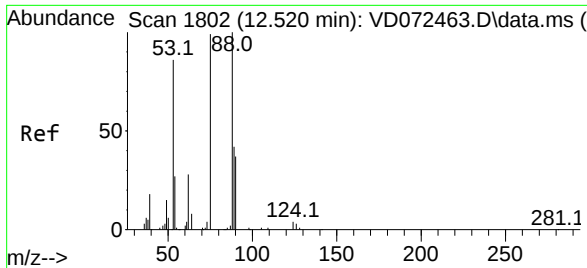
Tgt Ion: 75 Resp: 166653

Ion Ratio Lower Upper

75 100

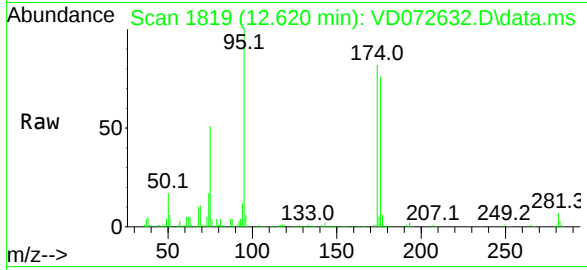
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.388 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072632.D
 Acq: 19 Apr 2022 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC



Tgt Ion: 75 Resp: 166653
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

