

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062023\
 Data File : VD076502.D
 Acq On : 20 Jun 2023 20:19
 Operator : KP/SY
 Sample : 03314-02
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Jun 21 06:51:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

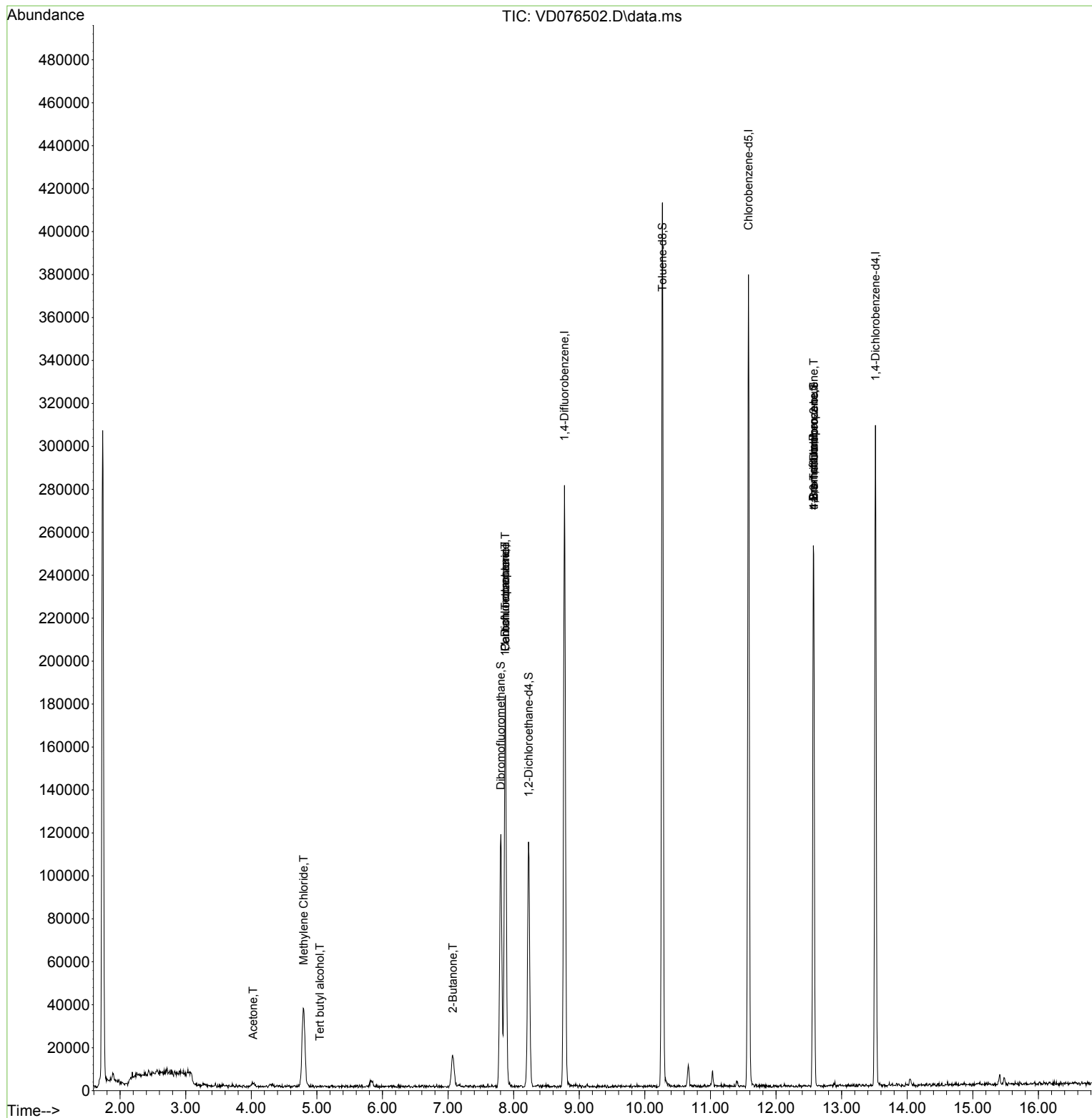
Internal Standards						
1) Pentafluorobenzene	7.875	168	139413	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	244579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	204729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	80151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84815	60.721	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.440%	
35) Dibromofluoromethane	7.804	113	81785	56.288	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.580%	
50) Toluene-d8	10.269	98	276824	50.237	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.480%	
62) 4-Bromofluorobenzene	12.575	95	74054	41.410	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	184	1.526	ug/l #	73
16) Acetone	4.028	43	2725	8.198	ug/l #	70
20) Methylene Chloride	4.799	84	28755	9.076	ug/l #	76
25) 2-Butanone	7.075	43	897	1.745	ug/l #	37
28) Bromochloromethane	7.428	49	66	Below Cal	#	1
36) 1,1-Dichloropropene	7.869	75	10246	5.036	ug/l #	45
38) Carbon Tetrachloride	7.875	117	13584	7.469	ug/l #	15
71) Bromoform	12.569	173	1047	1.254	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	40955	51.485	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	40955	112.815	ug/l #	17

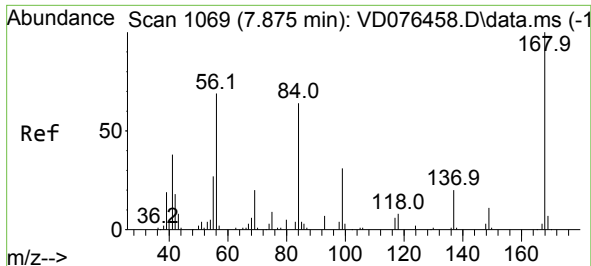
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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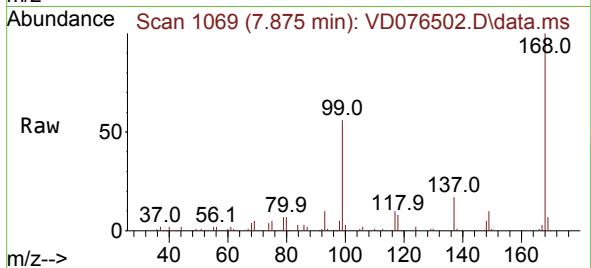
Quant Time: Jun 21 06:51:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
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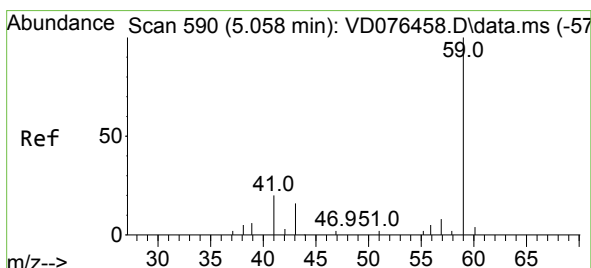
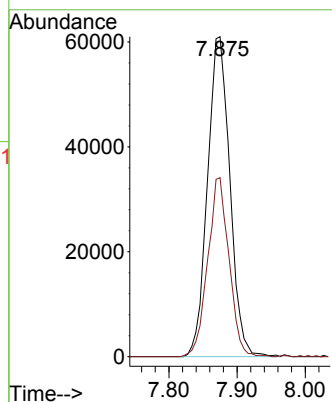
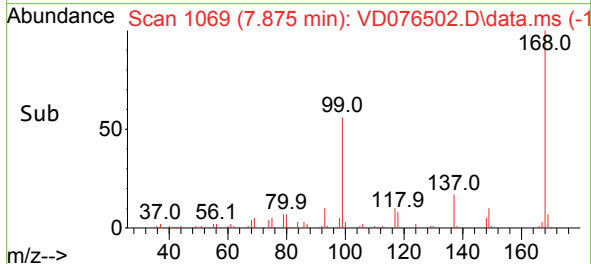


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

Instrument :
MSVOA_D
ClientSampleId :
VOC

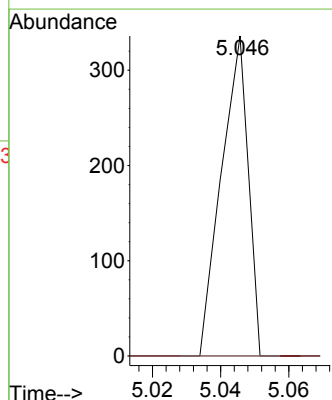
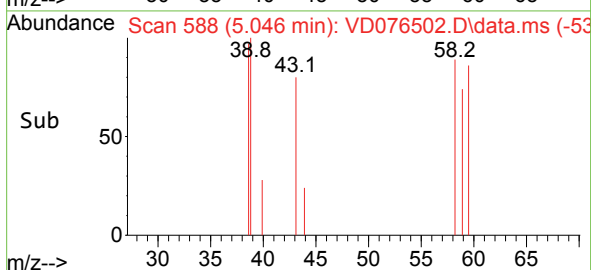
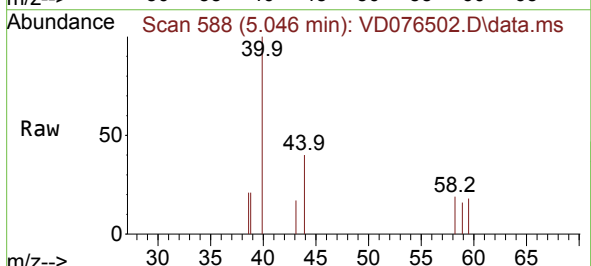


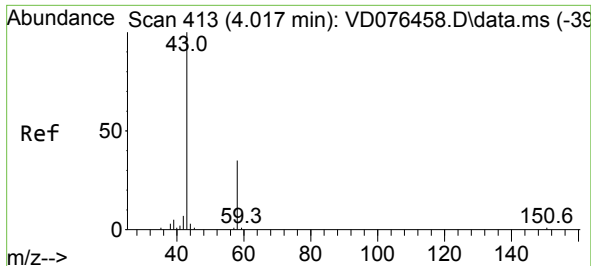
Tgt Ion:168 Resp: 139413
Ion Ratio Lower Upper
168 100
99 55.9 36.7 55.1#



#11
Tert butyl alcohol
Concen: 1.526 ug/l
RT: 5.046 min Scan# 588
Delta R.T. -0.012 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#16

Acetone

Concen: 8.198 ug/l

RT: 4.028 min Scan# 413

Delta R.T. 0.012 min

Lab File: VD076502.D

Acq: 20 Jun 2023 20:19

Instrument :

MSVOA_D

ClientSampleId :

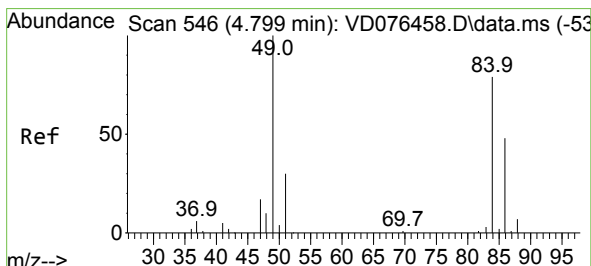
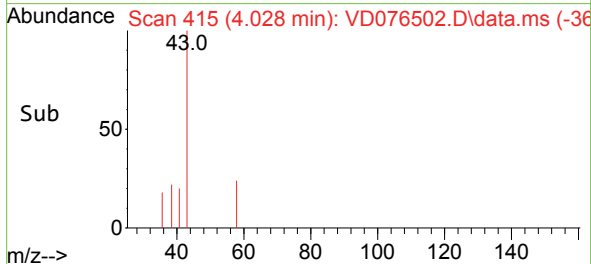
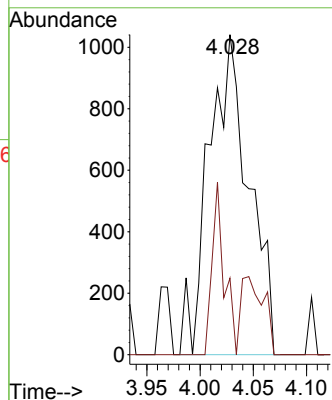
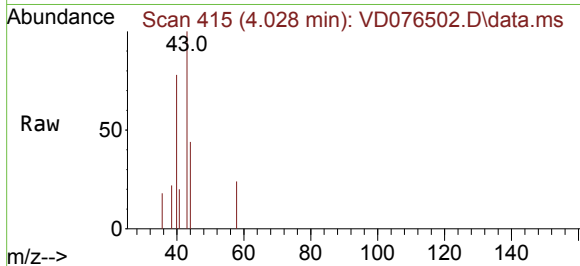
VOC

Tgt Ion: 43 Resp: 2725

Ion Ratio Lower Upper

43 100

58 23.9 34.7 52.1#



#20

Methylene Chloride

Concen: 9.076 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD076502.D

Acq: 20 Jun 2023 20:19

Tgt Ion: 84 Resp: 28755

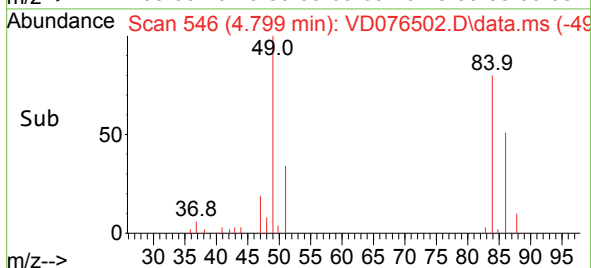
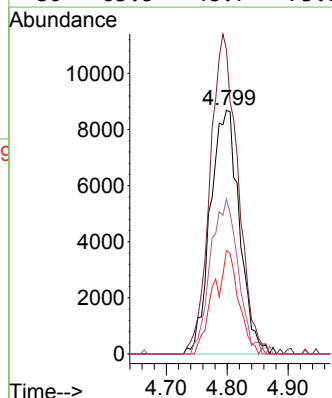
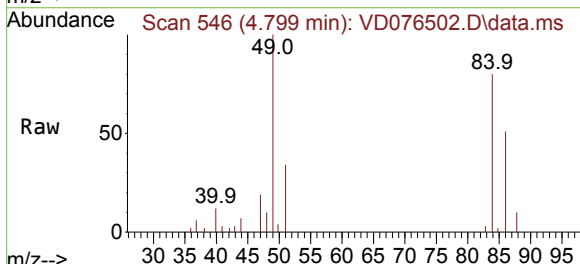
Ion Ratio Lower Upper

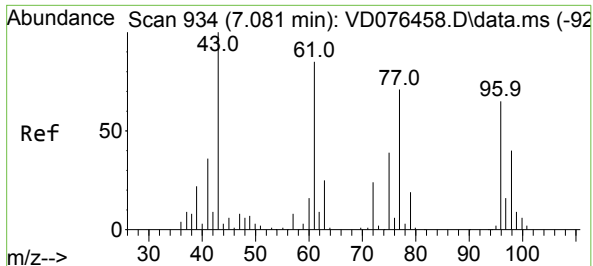
84 100

49 124.9 71.4 107.2#

51 42.5 24.5 36.7#

86 63.5 48.7 73.1

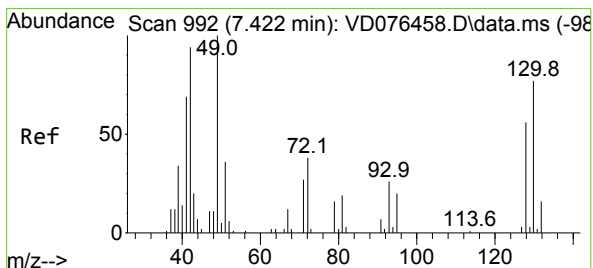
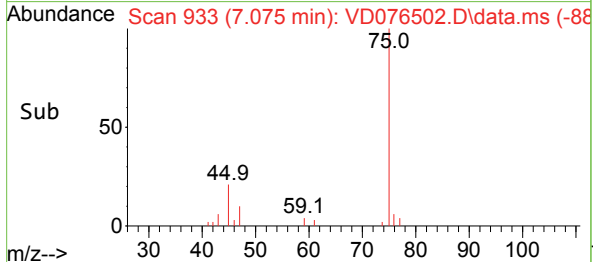
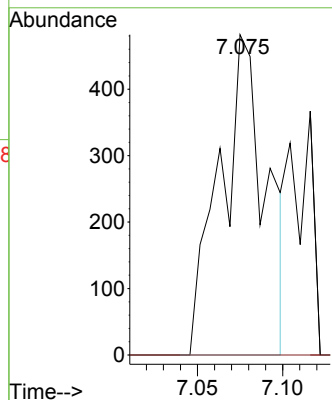
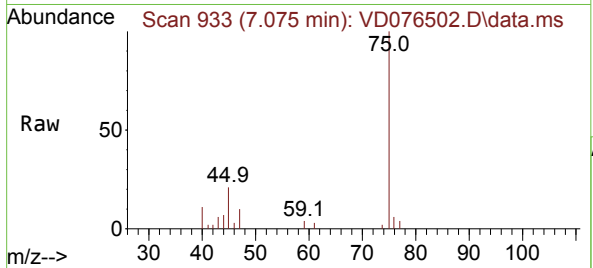




#25
2-Butanone
Concen: 1.745 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

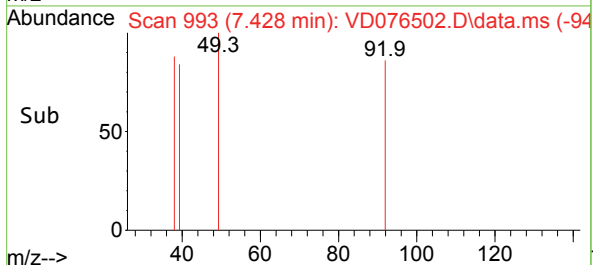
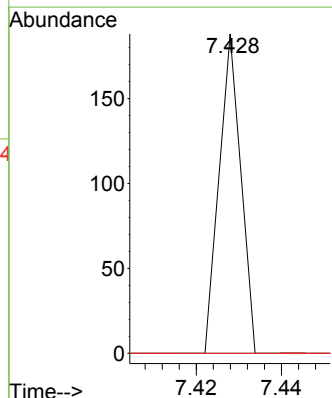
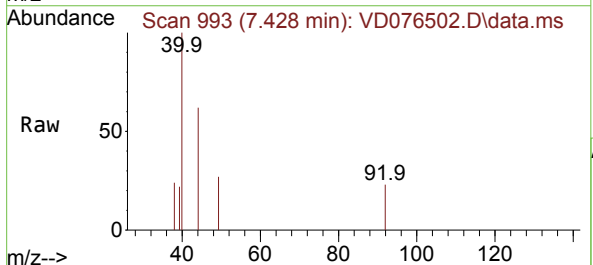
Instrument :
MSVOA_D
ClientSampleId :
VOC

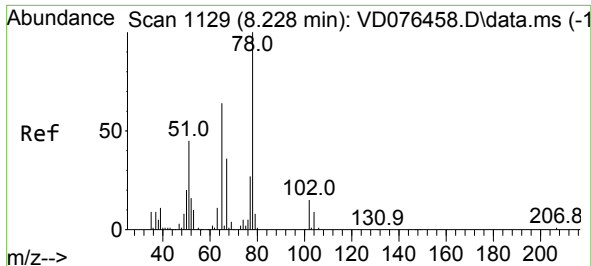
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.428 min Scan# 993
Delta R.T. 0.006 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

Tgt Ion: 49 Resp: 66
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#33

1,2-Dichloroethane-d4

Concen: 60.721 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076502.D

Acq: 20 Jun 2023 20:19

Instrument :

MSVOA_D

ClientSampleId :

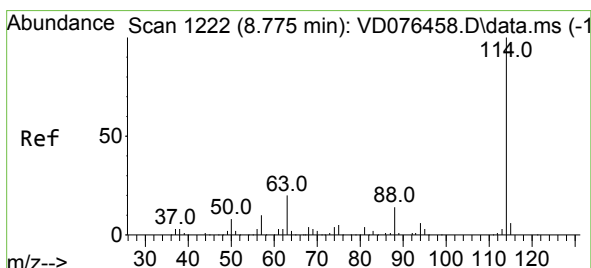
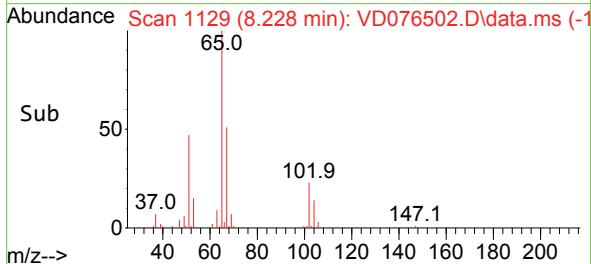
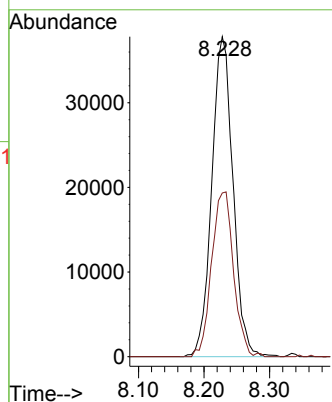
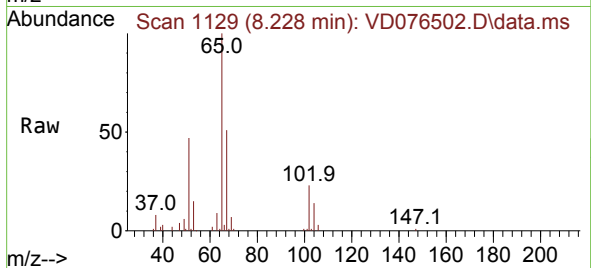
VOC

Tgt Ion: 65 Resp: 84815

Ion Ratio Lower Upper

65 100

67 53.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076502.D

Acq: 20 Jun 2023 20:19

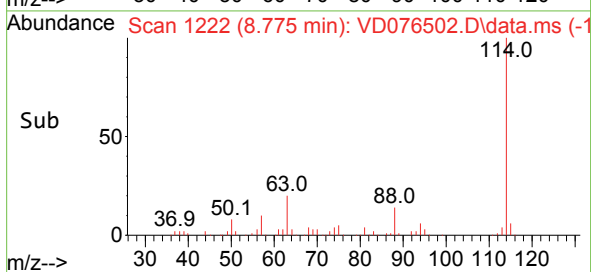
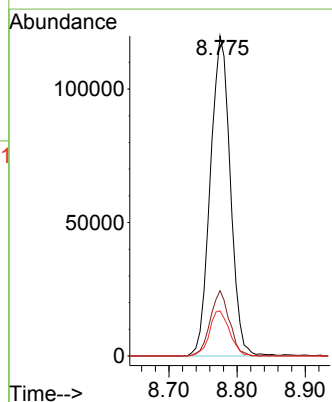
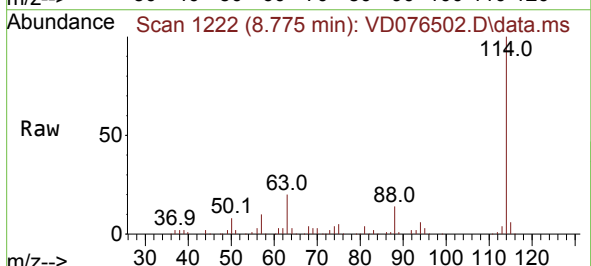
Tgt Ion: 114 Resp: 244579

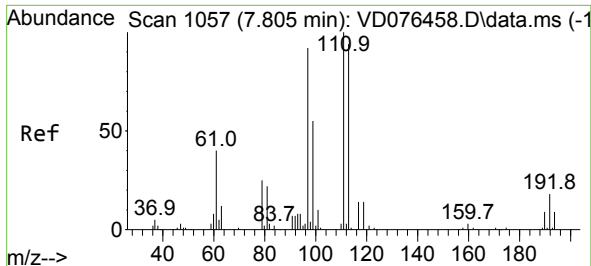
Ion Ratio Lower Upper

114 100

63 20.4 0.0 33.4

88 14.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 56.288 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076502.D

Acq: 20 Jun 2023 20:19

Instrument :

MSVOA_D

ClientSampleId :

VOC

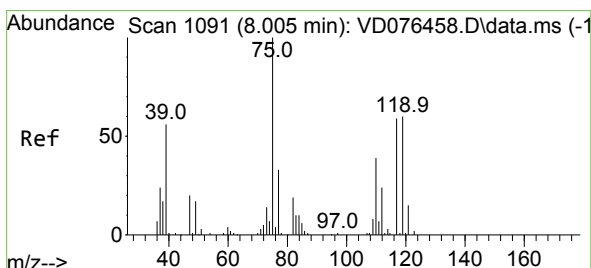
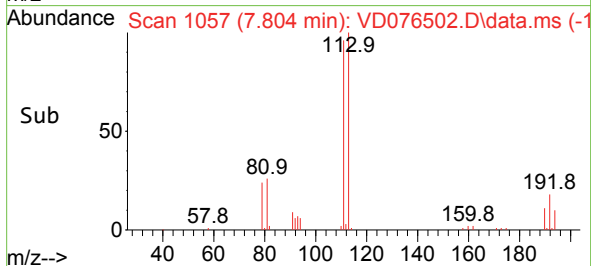
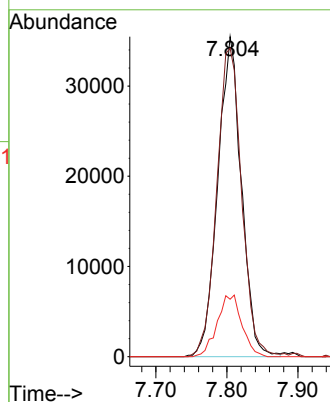
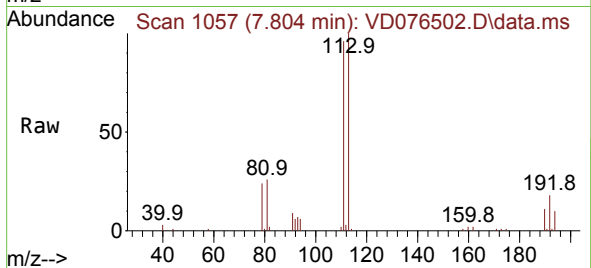
Tgt Ion:113 Resp: 81785

Ion Ratio Lower Upper

113 100

111 101.6 84.7 127.1

192 20.2 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.036 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD076502.D

Acq: 20 Jun 2023 20:19

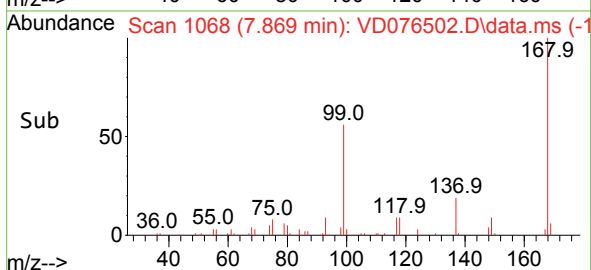
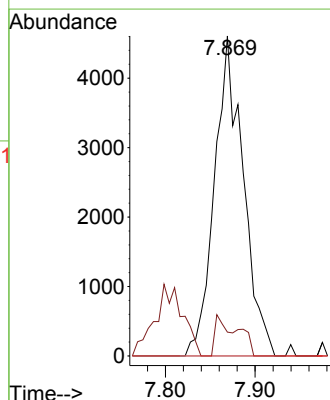
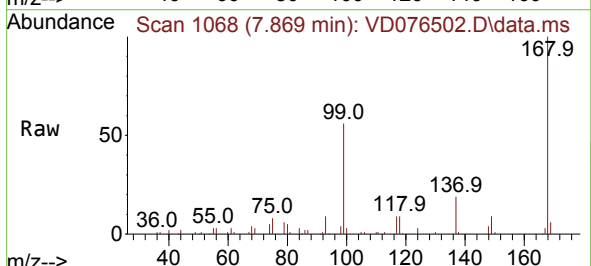
Tgt Ion: 75 Resp: 10246

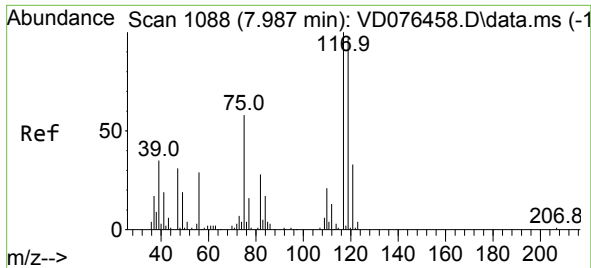
Ion Ratio Lower Upper

75 100

110 6.0 19.9 59.6#

77 0.0 24.7 37.1#

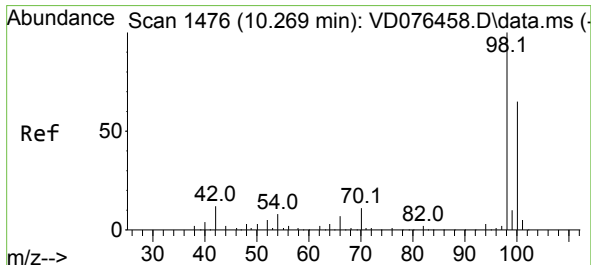
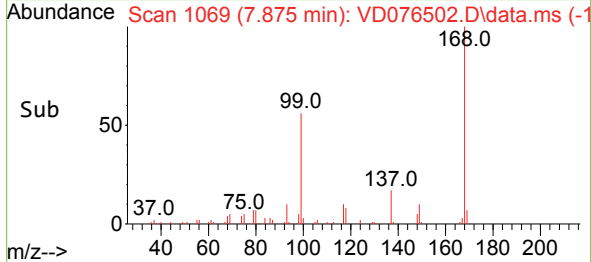
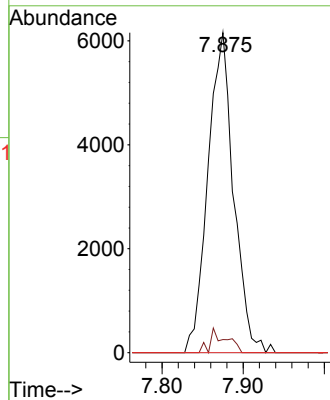
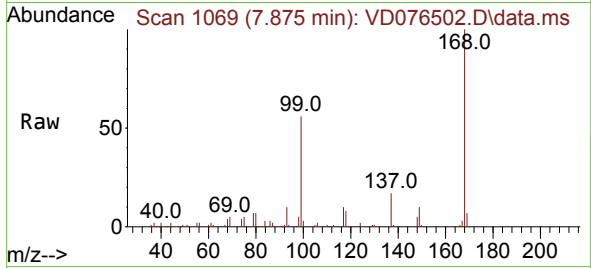




#38
Carbon Tetrachloride
Concen: 7.469 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

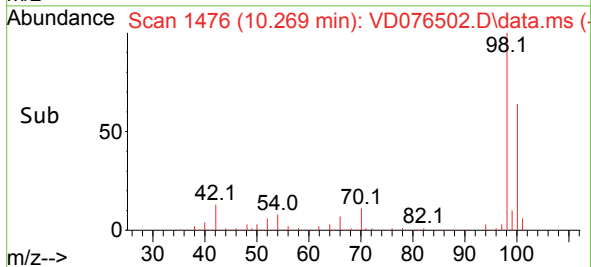
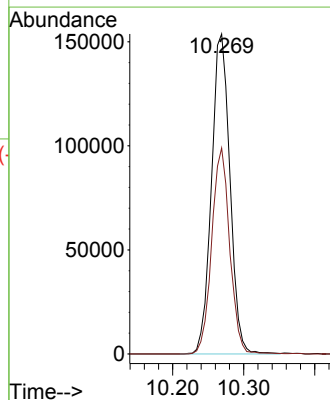
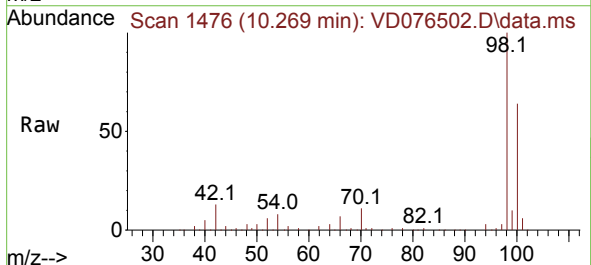
Instrument :
MSVOA_D
ClientSampleId :
VOC

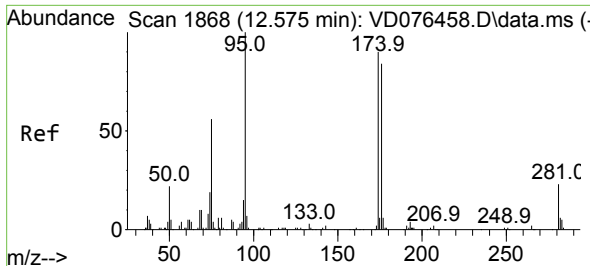
Tgt Ion:117 Resp: 13584
Ion Ratio Lower Upper
117 100
119 4.1 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.237 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

Tgt Ion: 98 Resp: 276824
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5

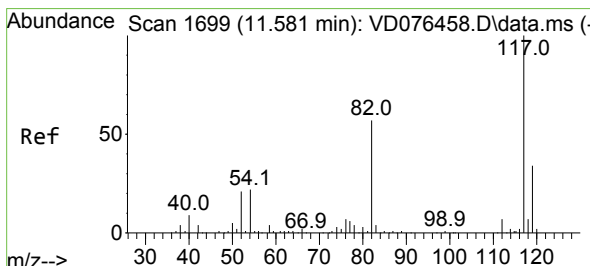
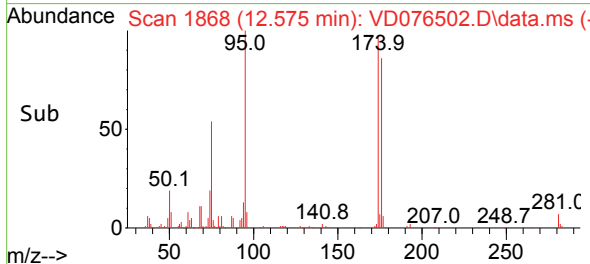
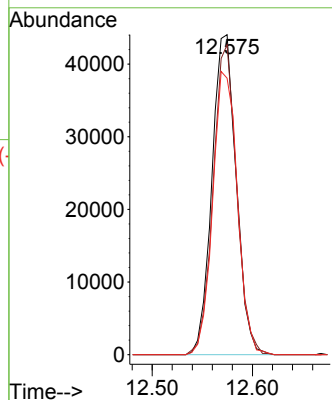
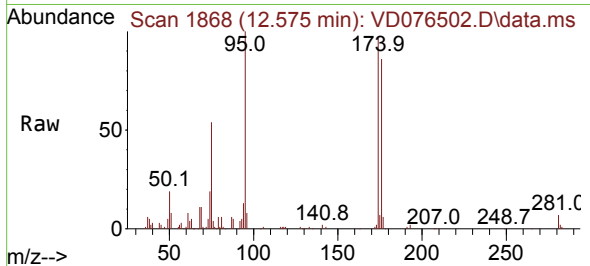




#62
4-Bromofluorobenzene
Concen: 41.410 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

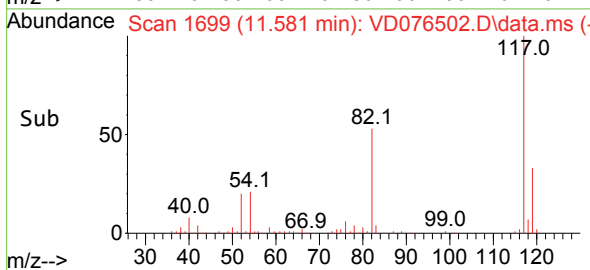
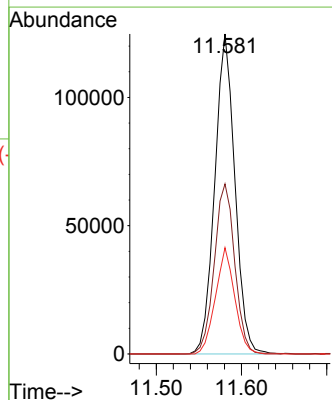
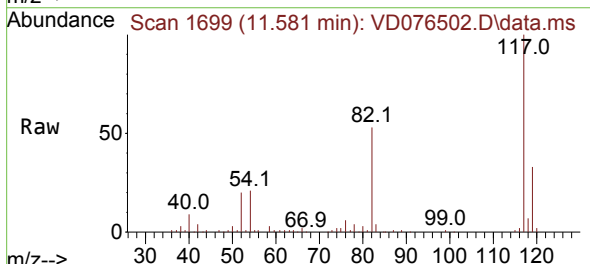
Instrument :
MSVOA_D
ClientSampleId :
VOC

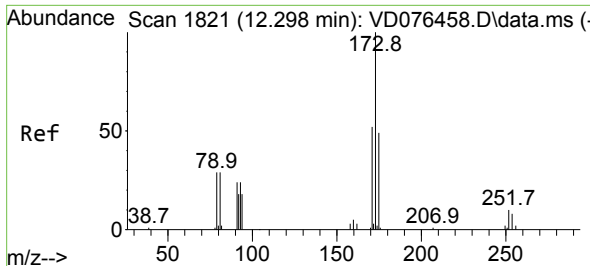
Tgt Ion:	95	Resp:	74054
Ion	Ratio	Lower	Upper
95	100		
174	93.8	0.0	201.8
176	89.7	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

Tgt Ion:	117	Resp:	204729
Ion	Ratio	Lower	Upper
117	100		
82	53.2	38.3	57.5
119	33.2	25.0	37.4

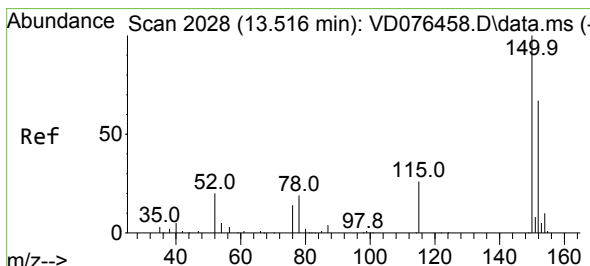
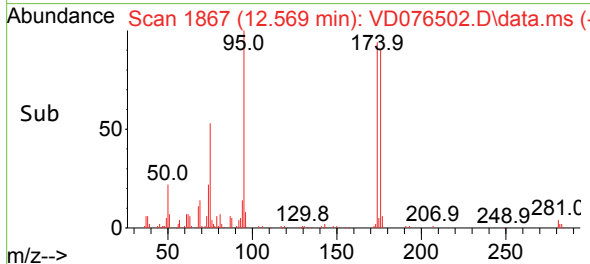
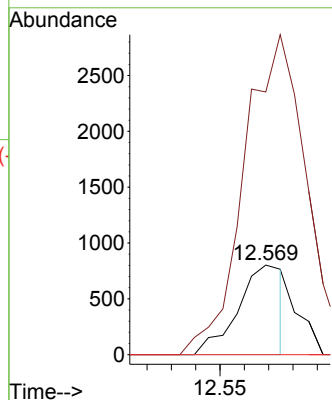
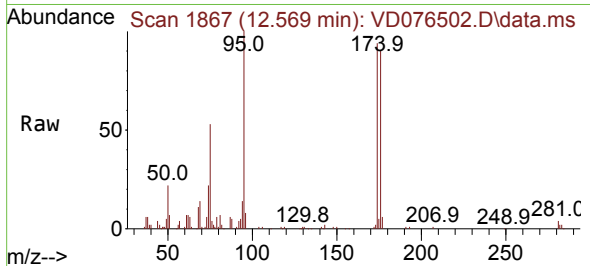




#71
Bromoform
Concen: 1.254 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.270 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

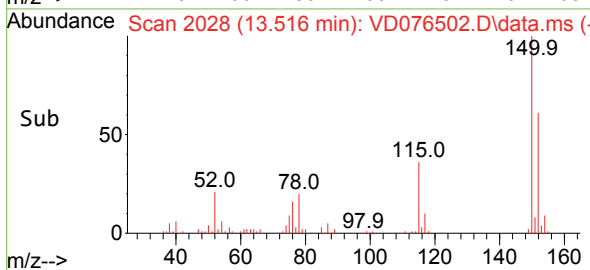
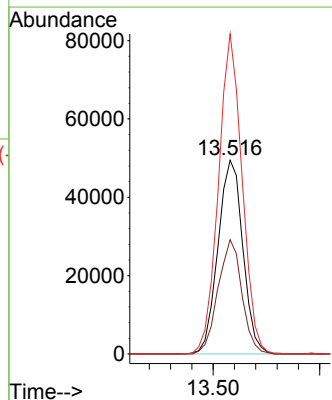
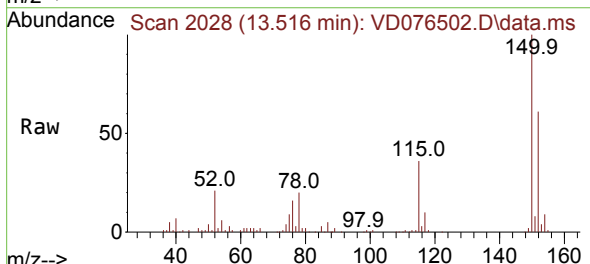
Instrument :
MSVOA_D
ClientSampleId :
VOC

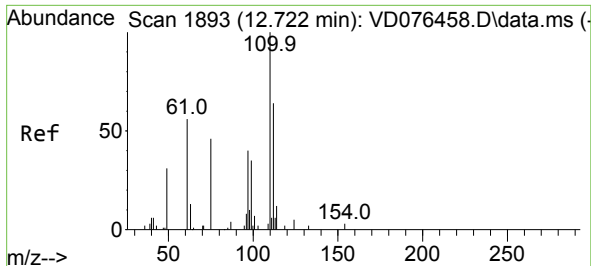
Tgt Ion:173 Resp: 1047
Ion Ratio Lower Upper
173 100
175 225.5 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

Tgt Ion:152 Resp: 80151
Ion Ratio Lower Upper
152 100
115 56.6 27.1 81.3
150 157.0 0.0 353.6

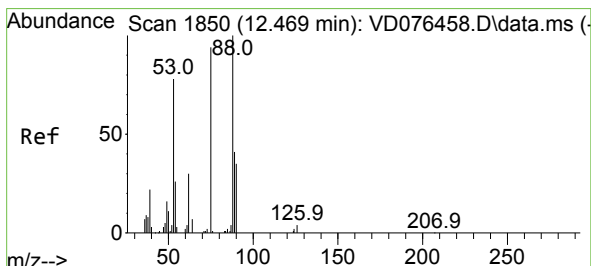
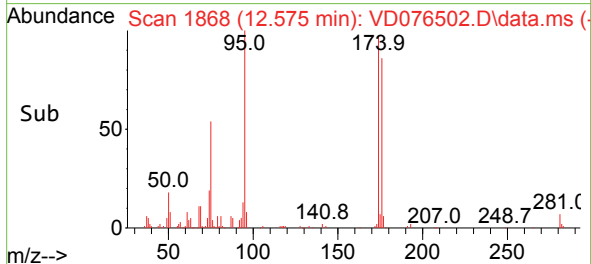
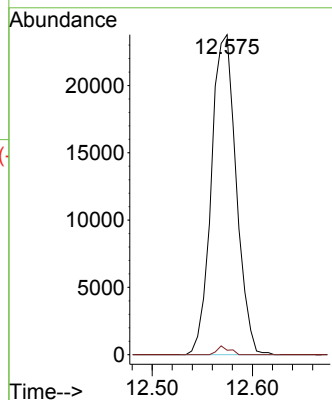
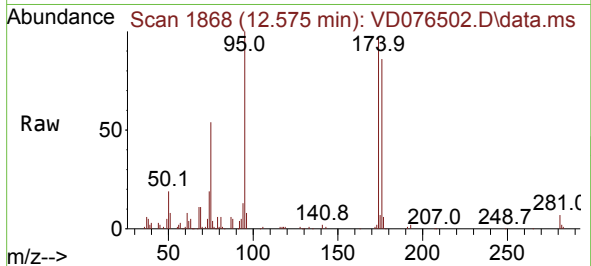




#76
1,2,3-Trichloropropane
Concen: 51.485 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

Instrument :
MSVOA_D
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 40955
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.815 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076502.D
Acq: 20 Jun 2023 20:19

Tgt Ion: 75 Resp: 40955
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

