

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
 Data File : VD076566.D
 Acq On : 23 Jun 2023 19:03
 Operator : KP/SY
 Sample : 03361-11
 Misc : 12.61G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-31-36-SB-31-GRAB-5

Quant Time: Jun 24 00:59:17 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)

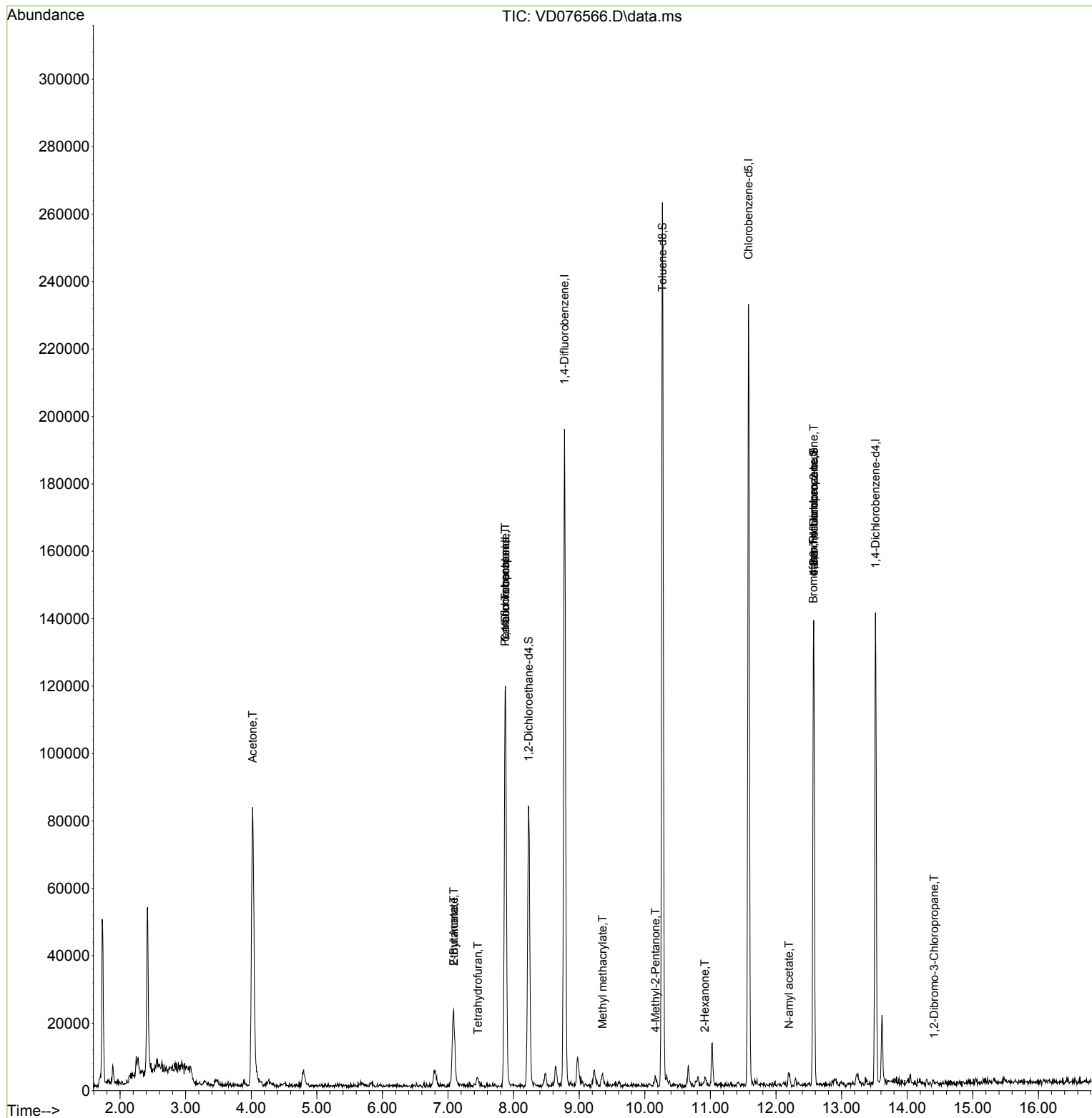
Internal Standards						
1) Pentafluorobenzene	7.869	168	94362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	168603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	127673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	36266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62936	66.569	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.140%			
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount 50.000	Range 54 - 147		Recovery = 0.000#			
50) Toluene-d8	10.269	98	178376	46.958	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.920%			
62) 4-Bromofluorobenzene	12.575	95	41409	33.589	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 67.180%			
Target Compounds					Qvalue	
16) Acetone	4.022	43	143825	639.292	ug/l #	83
20) Methylene Chloride	4.799	84	2947	Below Cal	#	84
25) 2-Butanone	7.087	43	35565	102.208	ug/l #	72
28) Bromochloromethane	7.422	49	74	Below Cal	#	1
29) Tetrahydrofuran	7.458	42	2024	9.051	ug/l #	48
36) 1,1-Dichloropropene	7.875	75	7471	5.326	ug/l #	46
37) Ethyl Acetate	7.087	43	35565	43.757	ug/l #	63
38) Carbon Tetrachloride	7.875	117	9603	7.660	ug/l #	16
48) Methyl methacrylate	9.357	41	947	1.343	ug/l #	10
51) 4-Methyl-2-Pentanone	10.163	43	2030	2.581	ug/l	90
59) 2-Hexanone	10.916	43	2115	3.866	ug/l	79
71) Bromoform	12.569	173	671	1.288	ug/l #	1
74) N-amyl acetate	12.198	43	3115	4.358	ug/l #	36
76) 1,2,3-Trichloropropane	12.575	75	21519	59.787	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	21519	131.006	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.410	75	84	1.108	ug/l #	1

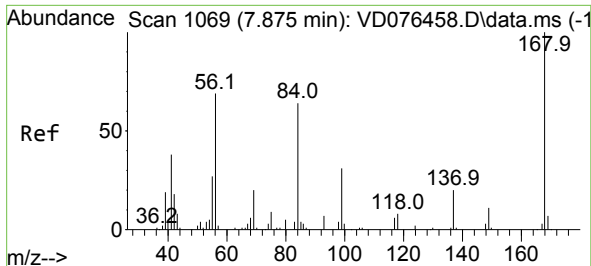
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD076566.D
Acq On : 23 Jun 2023 19:03
Operator : KP/SY
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Misc : 12.61G/5.0ml/MSVOA_D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-31-36-SB-31-GRAB-5

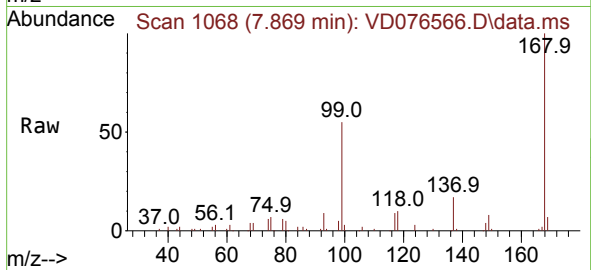
Quant Time: Jun 24 00:59:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration



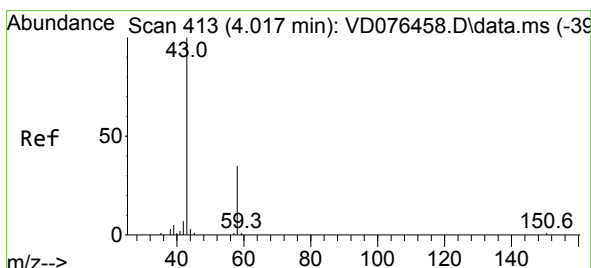
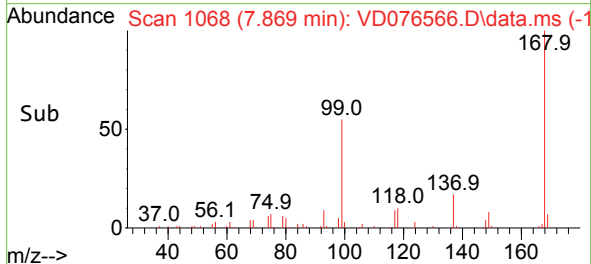
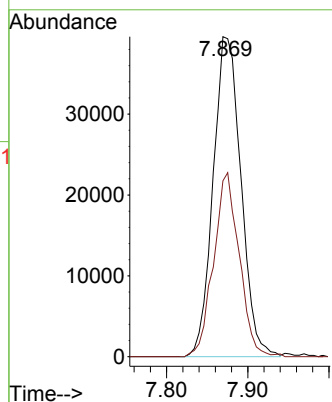


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-31-36-SB-31-GRAB-5

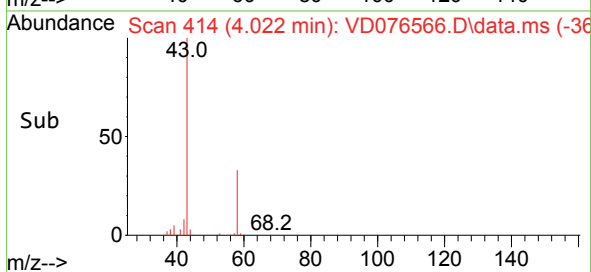
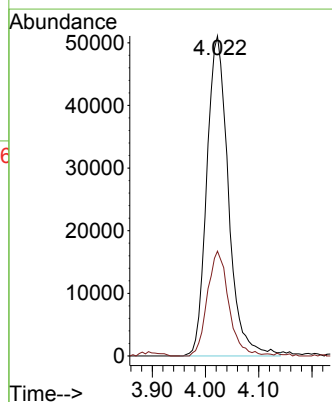
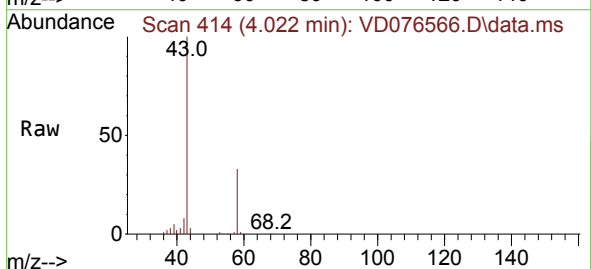


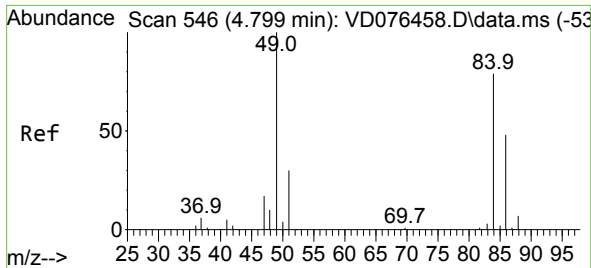
Tgt Ion:168 Resp: 94362
Ion Ratio Lower Upper
168 100
99 55.0 36.7 55.1



#16
Acetone
Concen: 639.292 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Tgt Ion: 43 Resp: 143825
Ion Ratio Lower Upper
43 100
58 32.7 34.7 52.1#

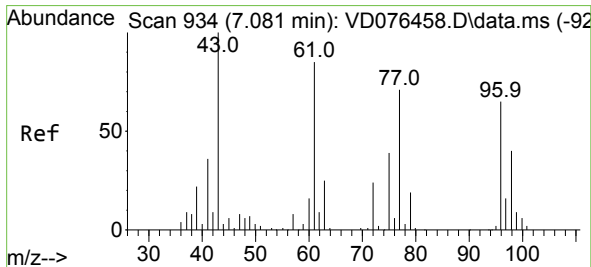
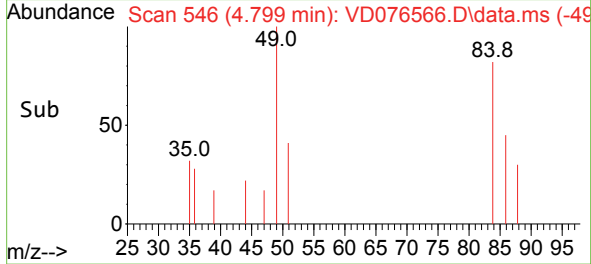
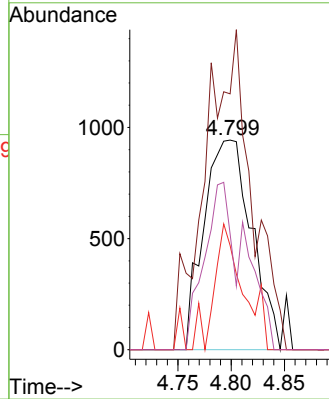
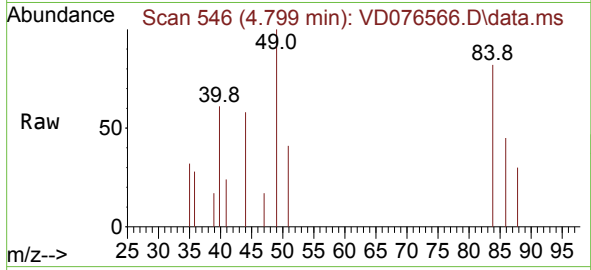




#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

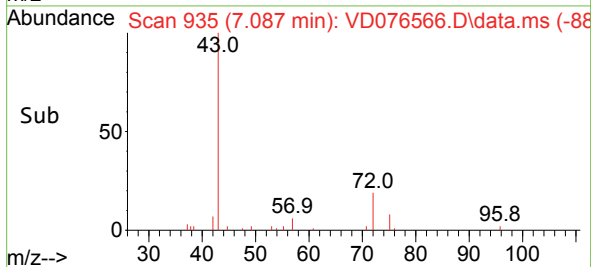
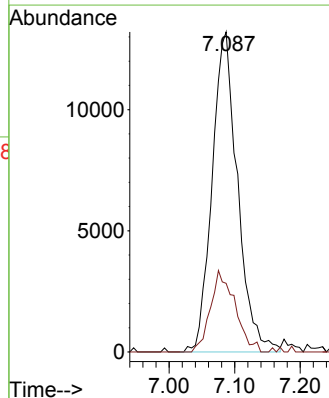
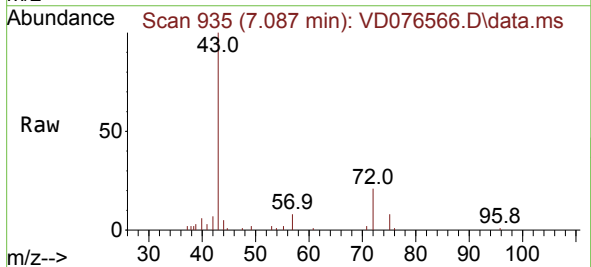
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

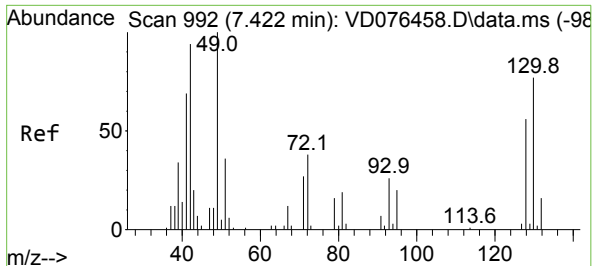
Tgt Ion:	84	Resp:	2947
Ion	Ratio	Lower	Upper
84	100		
49	103.3	71.4	107.2
51	49.7	24.5	36.7#
86	55.2	48.7	73.1



#25
2-Butanone
Concen: 102.208 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Tgt Ion:	43	Resp:	35565
Ion	Ratio	Lower	Upper
43	100		
72	21.4	30.7	46.1#

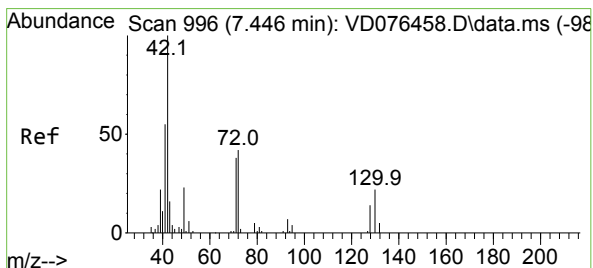
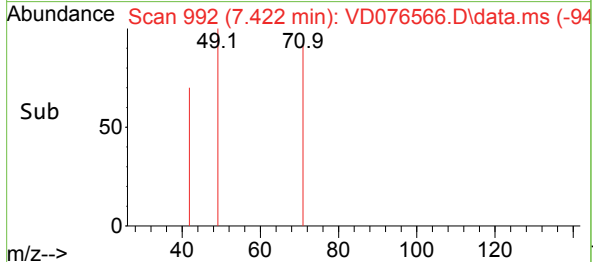
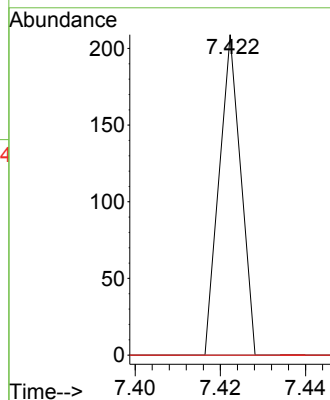
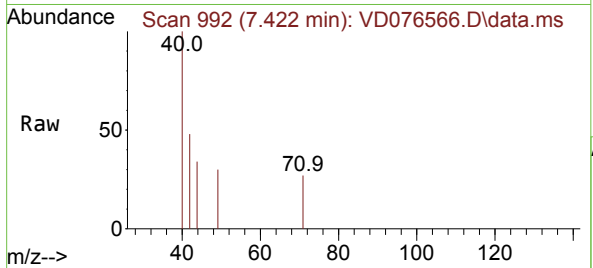




#28
Bromochloromethane
Concen: Below Cal
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

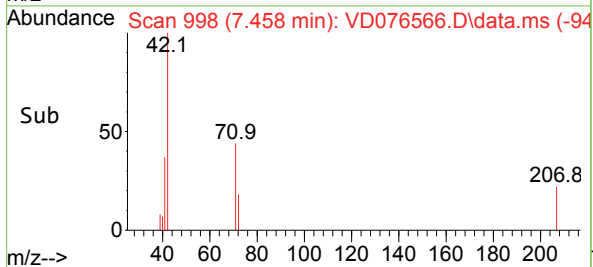
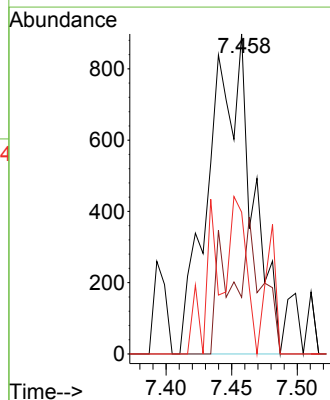
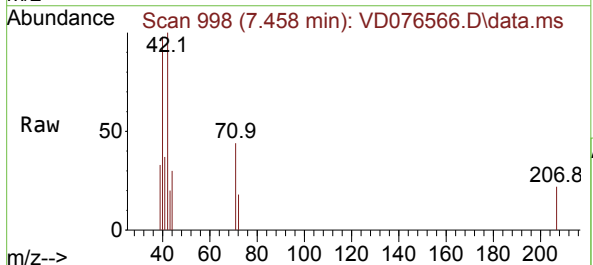
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

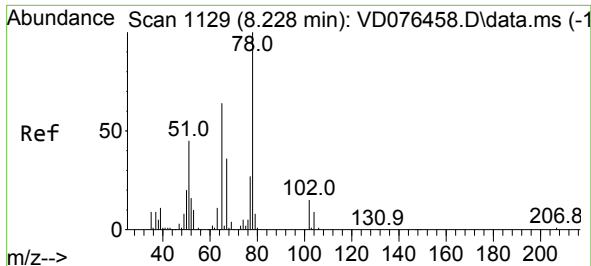
Tgt Ion: 49 Resp: 74
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 9.051 ug/l
RT: 7.458 min Scan# 998
Delta R.T. 0.012 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Tgt Ion: 42 Resp: 2024
Ion Ratio Lower Upper
42 100
72 16.4 46.5 69.7#
71 20.9 44.5 66.7#





#33

1,2-Dichloroethane-d4

Concen: 66.569 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076566.D

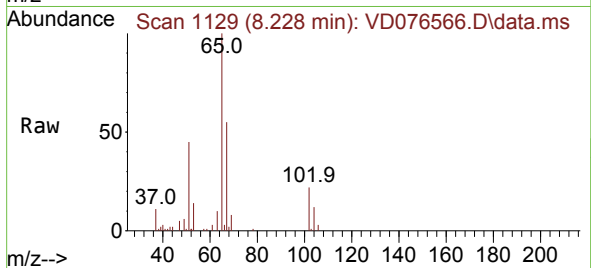
Acq: 23 Jun 2023 19:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-31-36-SB-31-GRAB-5

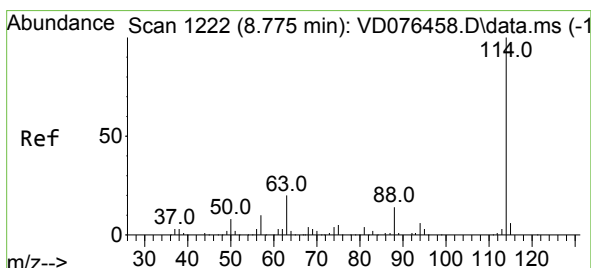
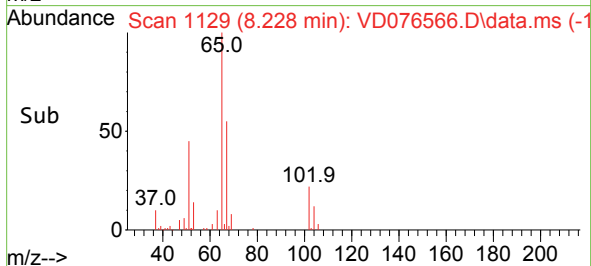
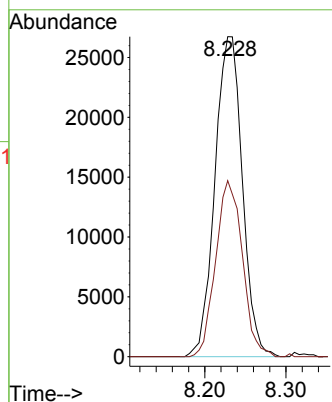


Tgt Ion: 65 Resp: 62936

Ion Ratio Lower Upper

65 100

67 53.5 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: VD076566.D

Acq: 23 Jun 2023 19:03

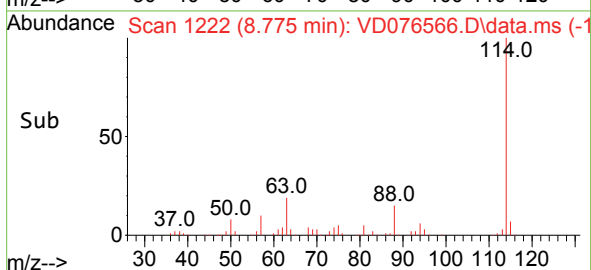
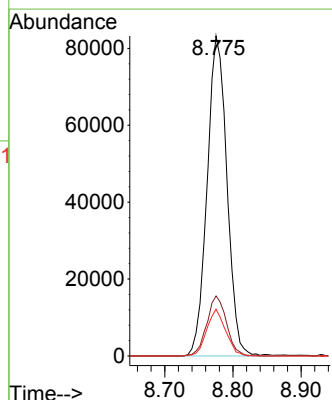
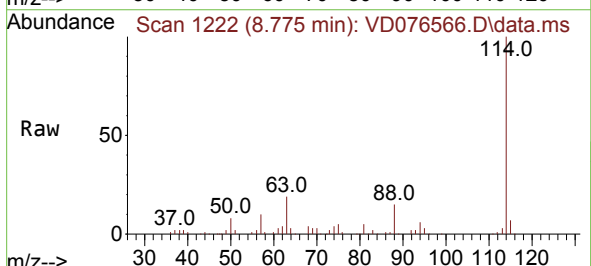
Tgt Ion: 114 Resp: 168603

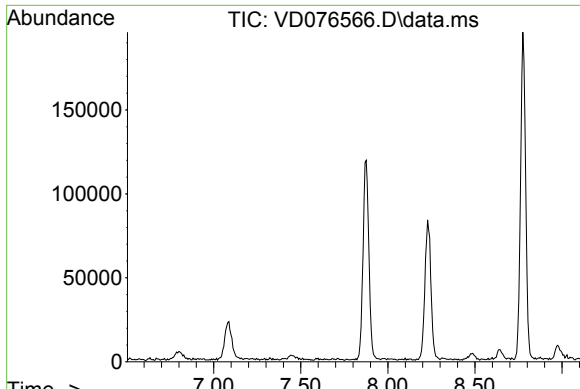
Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 14.6 0.0 26.2



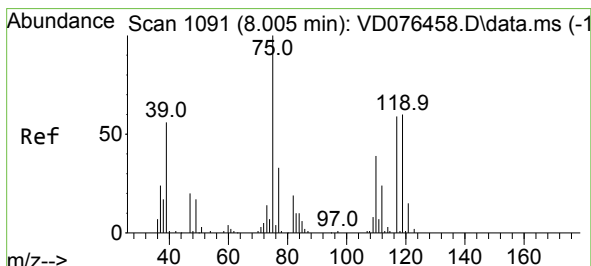
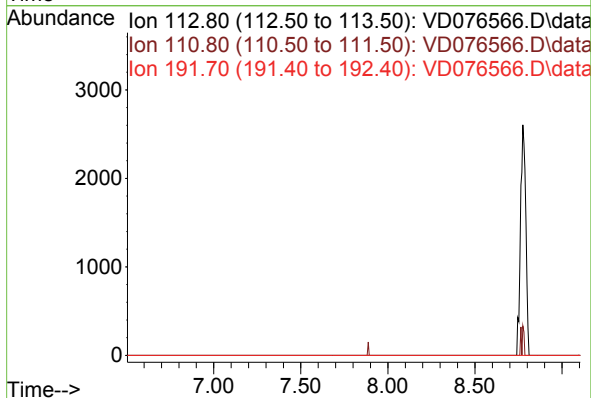


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.80 min
 Lab File: VD076566.D
 Acq: 23 Jun 2023 19:03

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-31-36-SB-31-GRAB-5

Tgt Ion: 113

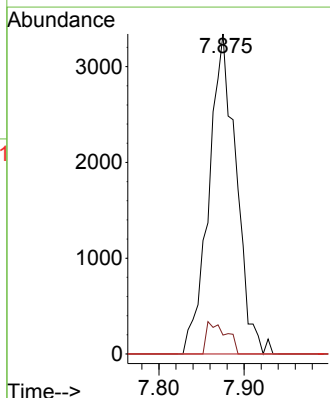
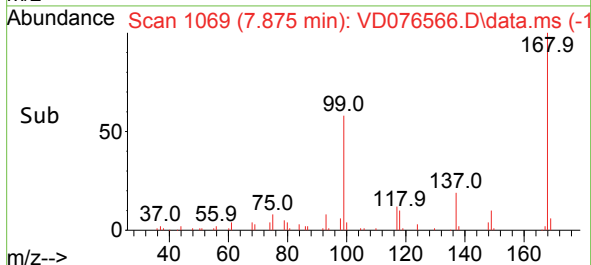
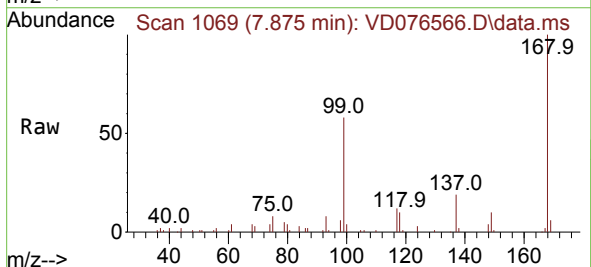
Sig	Exp Ratio
113	100
111	105.9
192	21.0

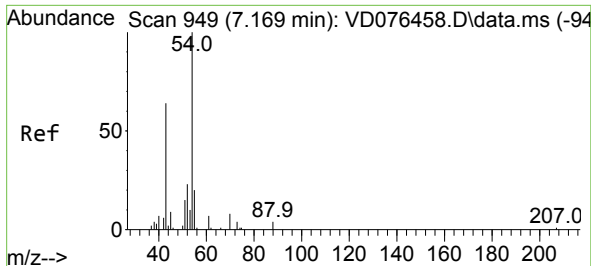


#36
 1,1-Dichloropropene
 Concen: 5.326 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.129 min
 Lab File: VD076566.D
 Acq: 23 Jun 2023 19:03

Tgt Ion: 75 Resp: 7471

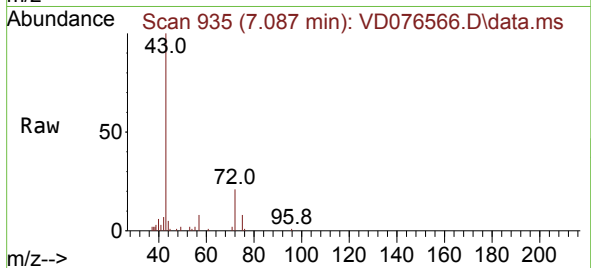
Ion	Ratio	Lower	Upper
75	100		
110	7.2	19.9	59.6#
77	0.0	24.7	37.1#



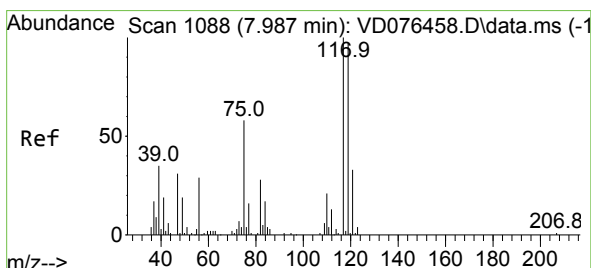
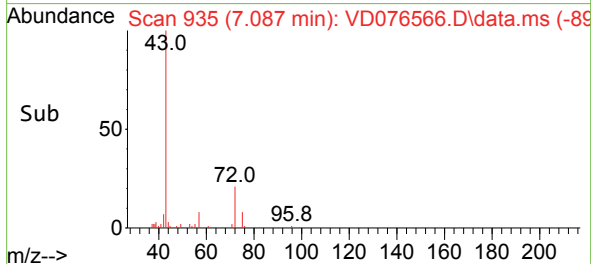
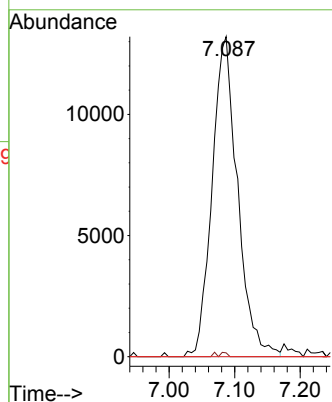


#37
Ethyl Acetate
Concen: 43.757 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.082 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-31-36-SB-31-GRAB-5

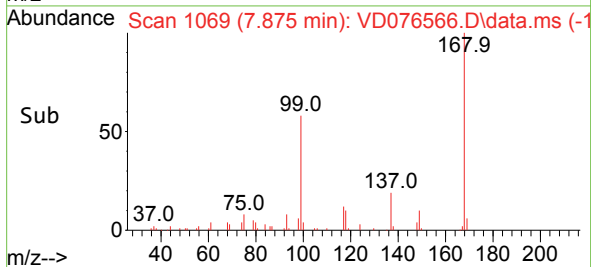
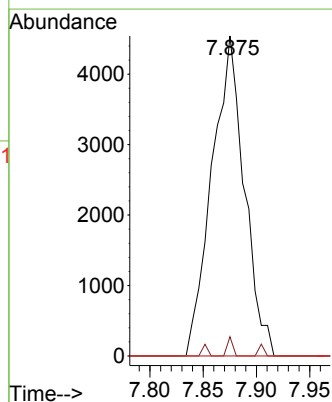
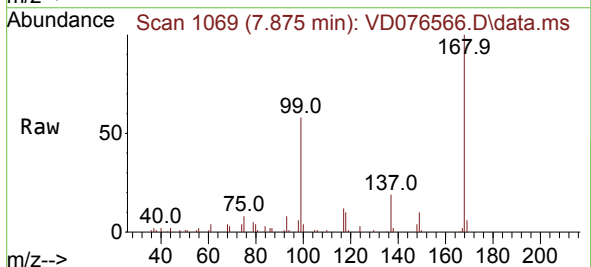


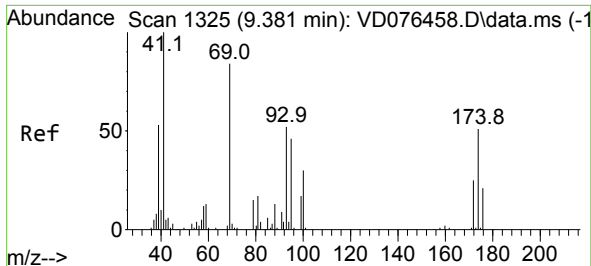
Tgt Ion: 43 Resp: 35565
Ion Ratio Lower Upper
43 100
61 0.5 14.9 22.3#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 7.660 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

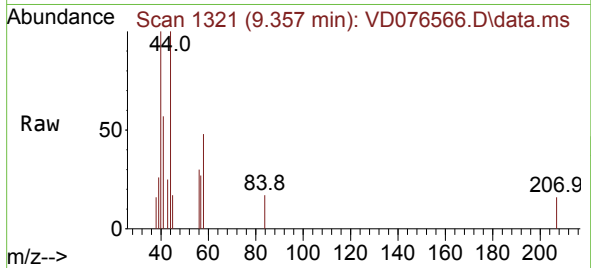
Tgt Ion: 117 Resp: 9603
Ion Ratio Lower Upper
117 100
119 6.0 78.0 117.0#
121 0.0 24.2 36.2#



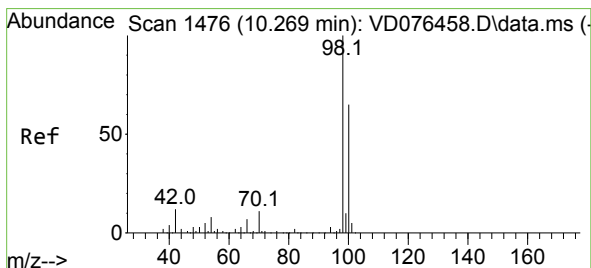
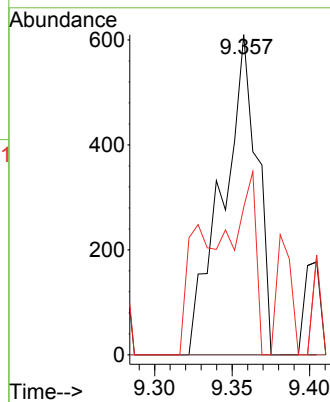
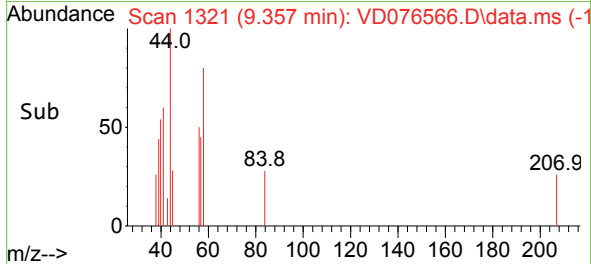


#48
Methyl methacrylate
Concen: 1.343 ug/l
RT: 9.357 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-31-36-SB-31-GRAB-5

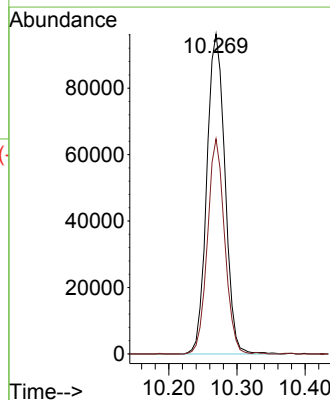
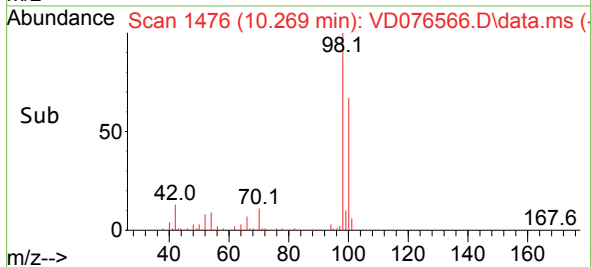
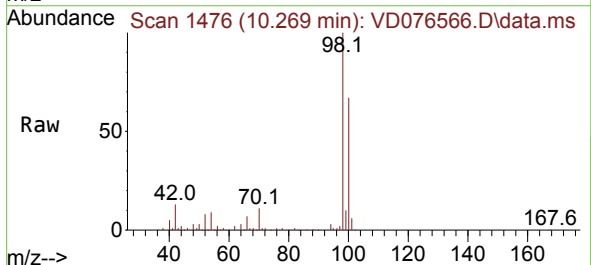


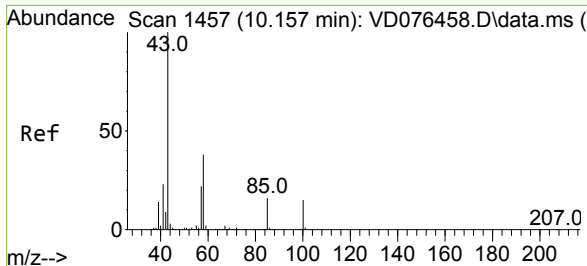
Tgt Ion: 41 Resp: 947
Ion Ratio Lower Upper
41 100
69 0.0 102.2 153.2#
39 23.4 41.4 62.2#



#50
Toluene-d8
Concen: 46.958 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Tgt Ion: 98 Resp: 178376
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5

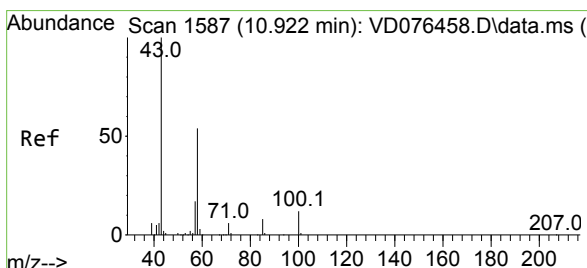
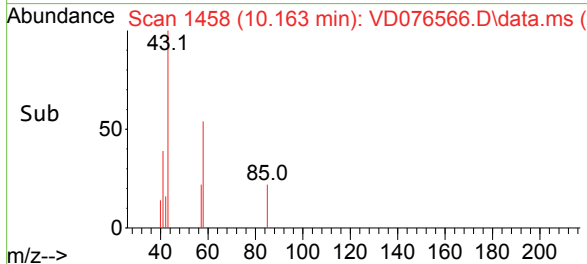
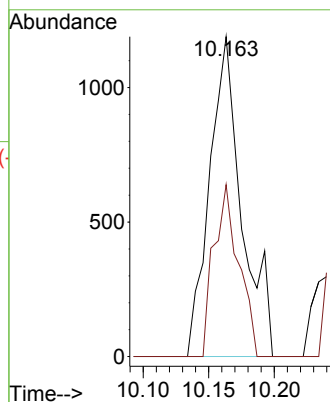
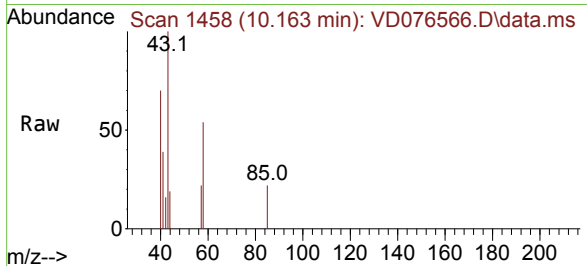




#51
4-Methyl-2-Pentanone
Concen: 2.581 ug/l
RT: 10.163 min Scan# 1457
Delta R.T. 0.006 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

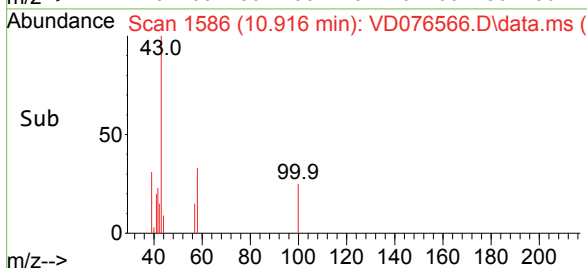
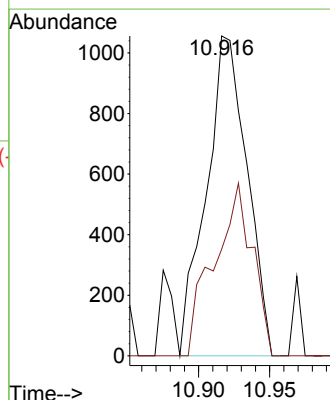
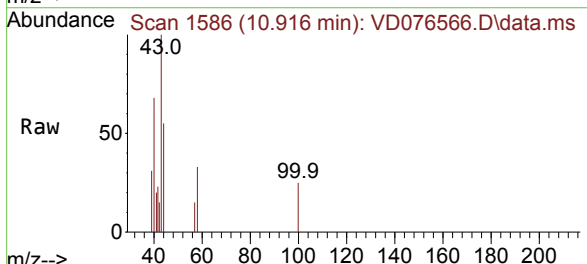
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

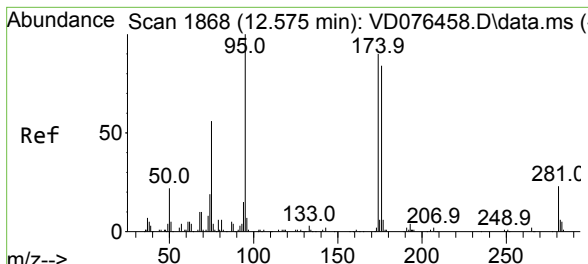
Tgt Ion: 43 Resp: 2030
Ion Ratio Lower Upper
43 100
58 41.5 38.9 58.3



#59
2-Hexanone
Concen: 3.866 ug/l
RT: 10.916 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Tgt Ion: 43 Resp: 2115
Ion Ratio Lower Upper
43 100
58 50.8 34.1 102.2

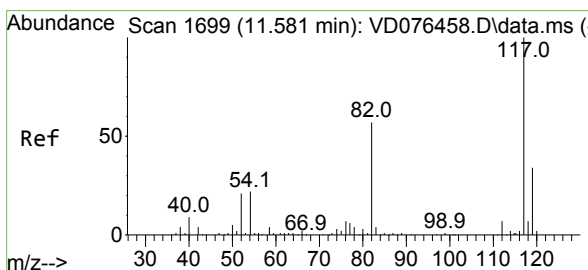
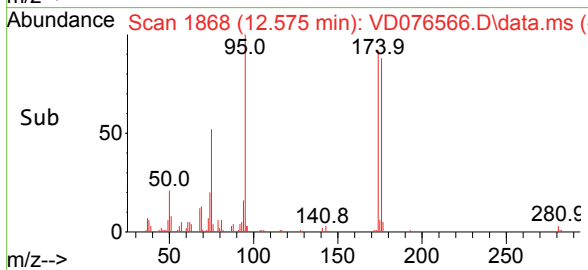
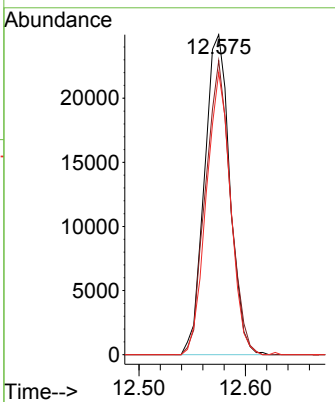
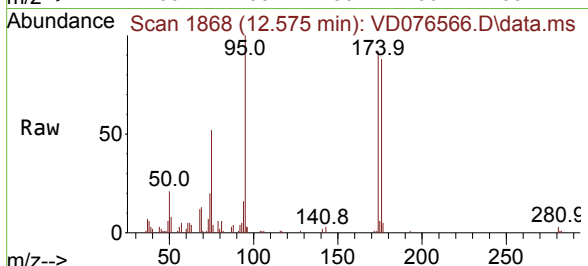




#62
 4-Bromofluorobenzene
 Concen: 33.589 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VD076566.D
 Acq: 23 Jun 2023 19:03

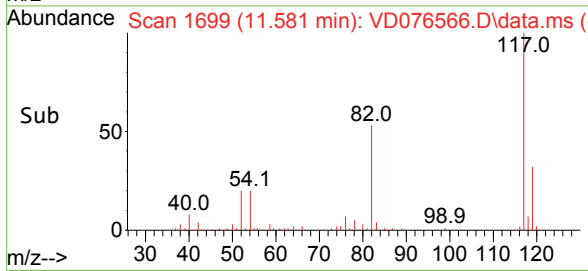
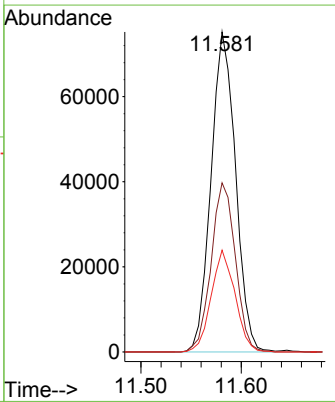
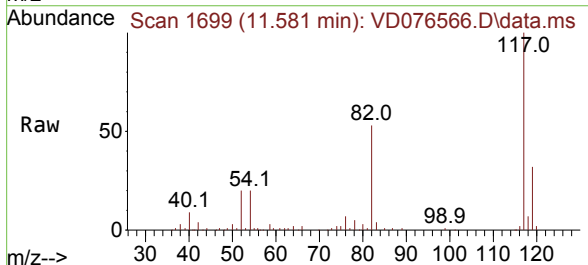
Instrument : MSVOA_D
 ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

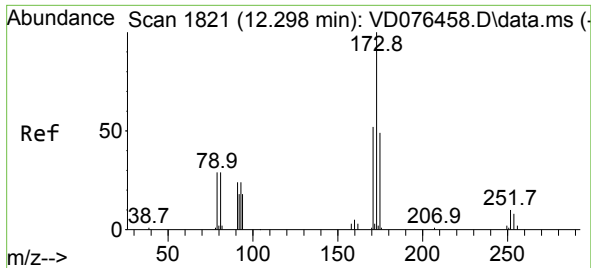
Tgt Ion:	95	Resp:	41409
Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	201.8
176	84.0	0.0	191.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: VD076566.D
 Acq: 23 Jun 2023 19:03

Tgt Ion:	117	Resp:	127673
Ion	Ratio	Lower	Upper
117	100		
82	52.9	38.3	57.5
119	31.8	25.0	37.4

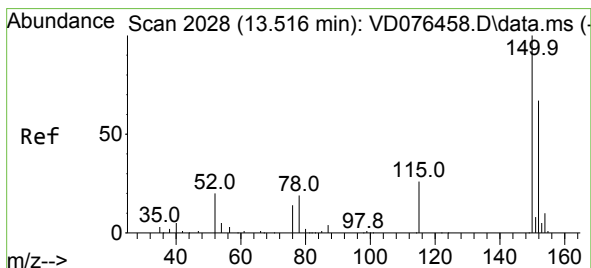
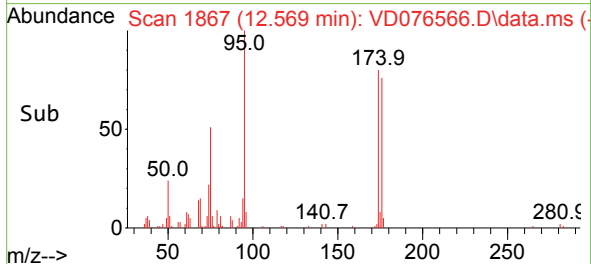
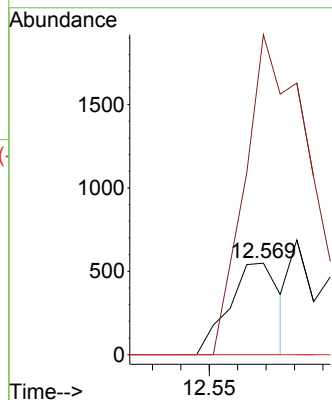
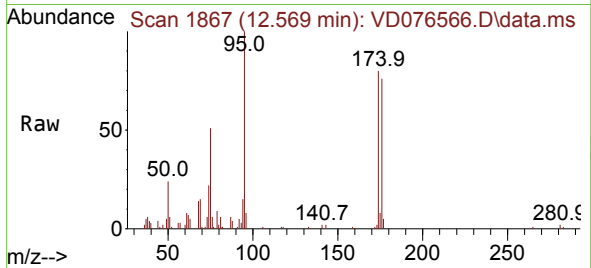




#71
Bromoform
Concen: 1.288 ug/l
RT: 12.569 min Scan# 1821
Delta R.T. 0.271 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

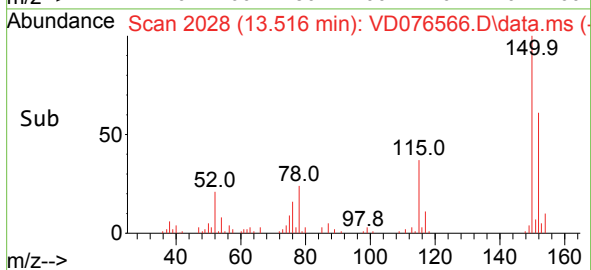
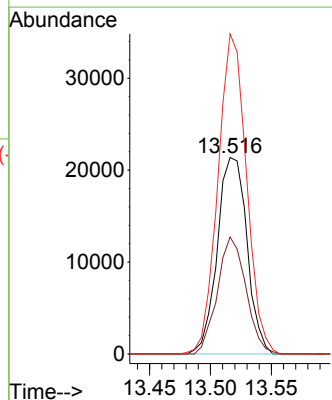
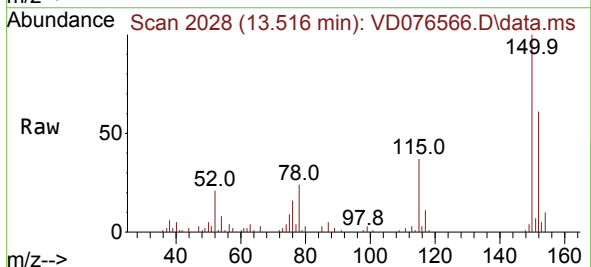
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

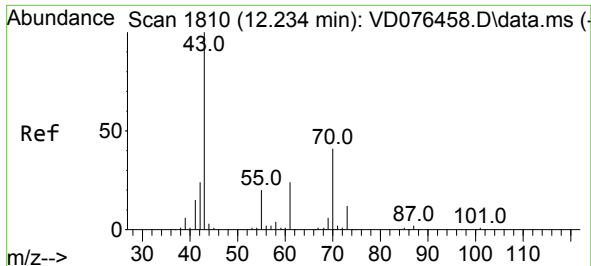
Tgt Ion:173 Resp: 671
Ion Ratio Lower Upper
173 100
175 268.9 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Tgt Ion:152 Resp: 36266
Ion Ratio Lower Upper
152 100
115 57.3 27.1 81.3
150 156.5 0.0 353.6

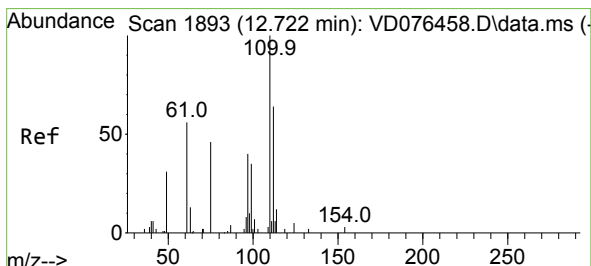
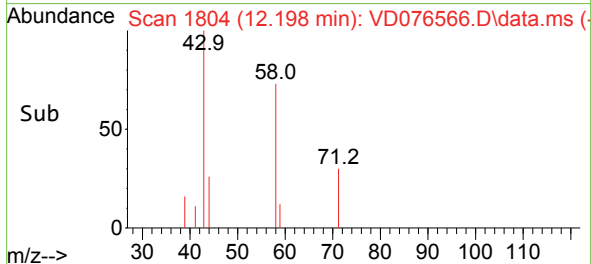
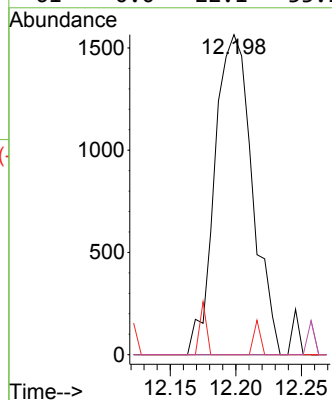
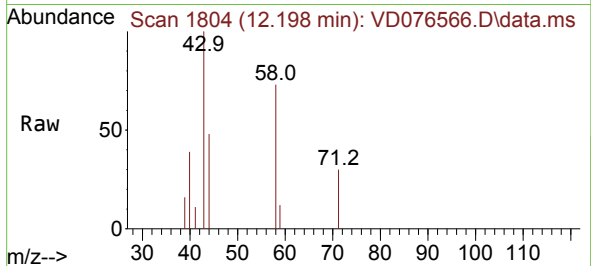




#74
N-amy1 acetate
Concen: 4.358 ug/l
RT: 12.198 min Scan# 1804
Delta R.T. -0.035 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

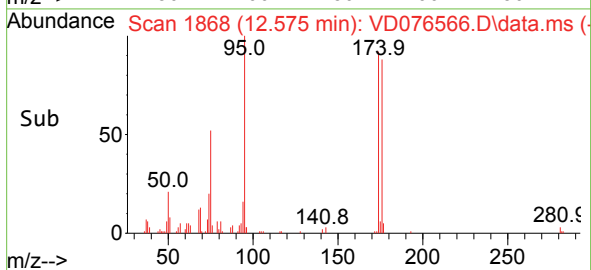
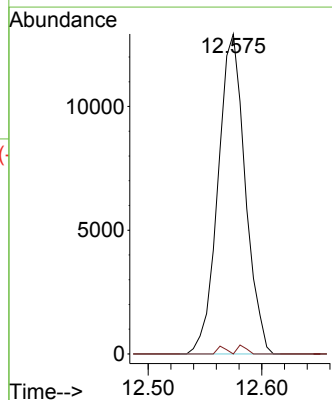
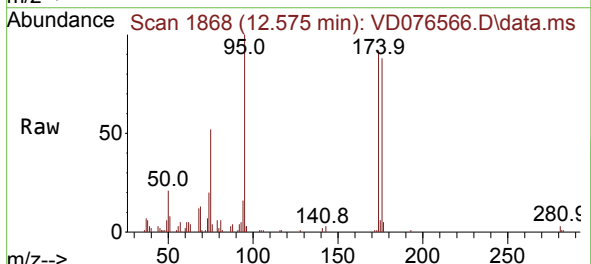
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

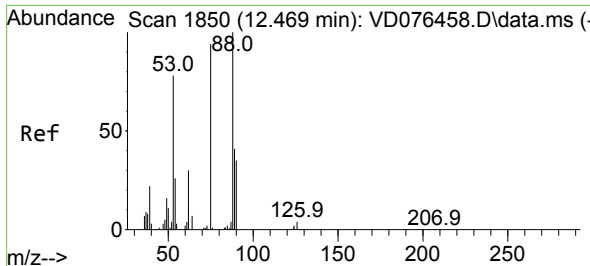
Tgt Ion: 43	Resp:	3115
Ion	Ratio	Lower Upper
43	100	
70	0.0	45.0 67.4#
55	1.9	23.8 35.6#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 59.787 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Tgt Ion: 75	Resp:	21519
Ion	Ratio	Lower Upper
75	100	
77	0.9	0.0 0.0#

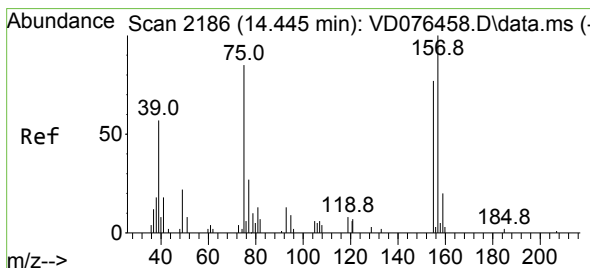
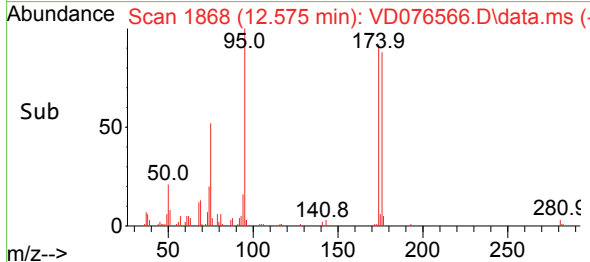
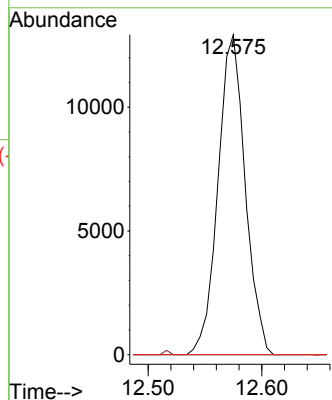
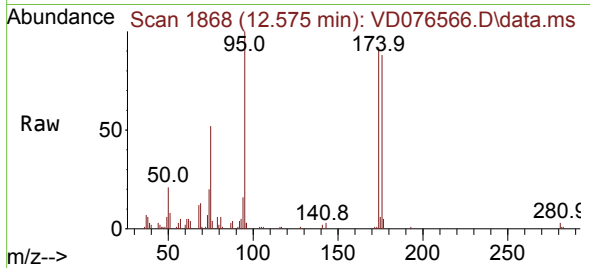




#81
trans-1,4-Dichloro-2-butene
Concen: 131.006 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

Tgt Ion: 75 Resp: 21519
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.108 ug/l
RT: 14.410 min Scan# 2180
Delta R.T. -0.035 min
Lab File: VD076566.D
Acq: 23 Jun 2023 19:03

Tgt Ion: 75 Resp: 84
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#

