

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074673.D
 Acq On : 28 Oct 2022 15:57
 Operator : VA/SY
 Sample : N5313-14
 Misc : 10.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-2-NW-QUARTER

Quant Time: Oct 29 02:15:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

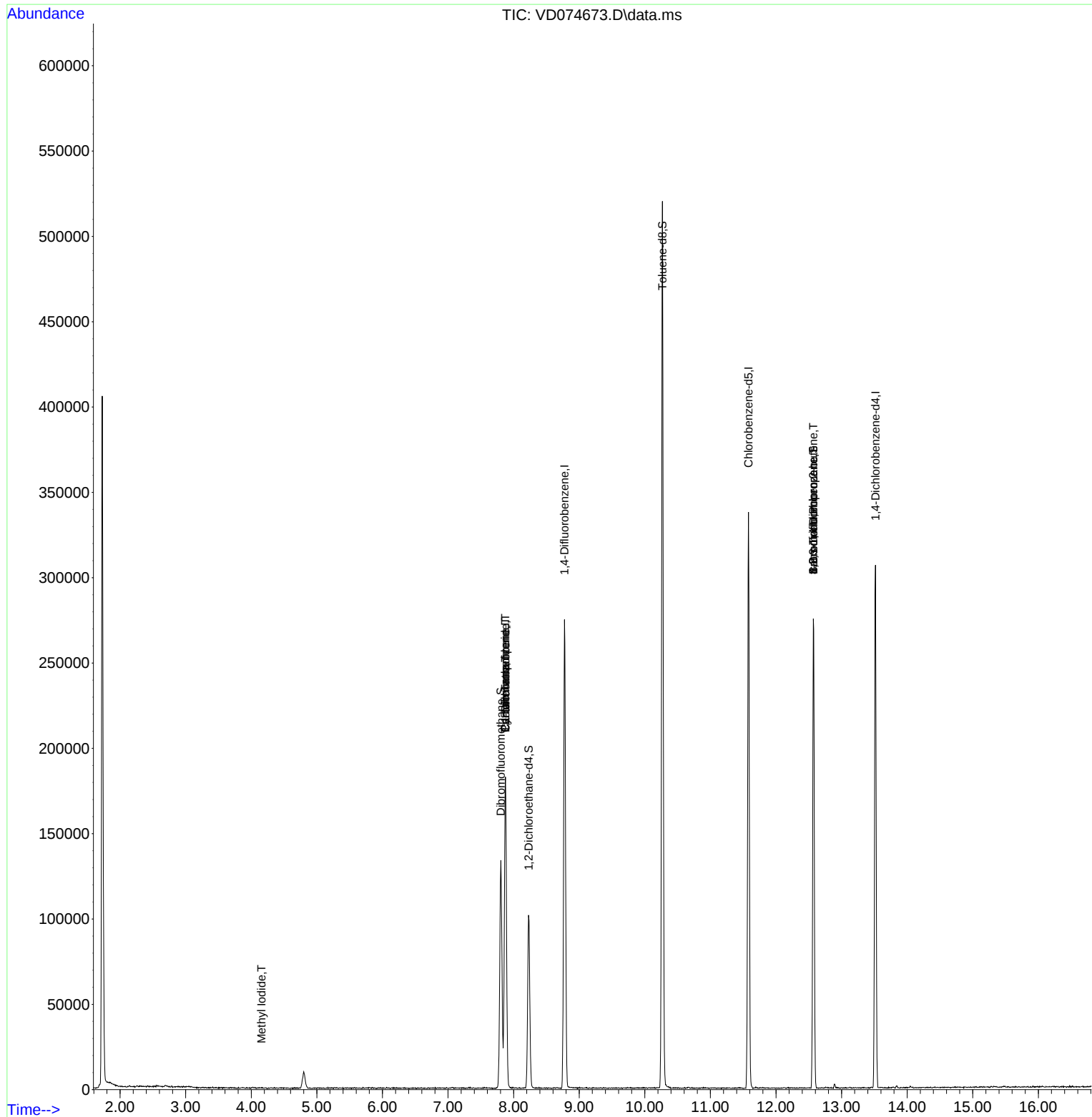
Internal Standards						
1) Pentafluorobenzene	7.875	168	150963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	265050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	211384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	88173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79419	62.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.660%	
35) Dibromofluoromethane	7.805	113	96755	59.782	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.560%	
50) Toluene-d8	10.269	98	363822	58.454	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.900%	
62) 4-Bromofluorobenzene	12.569	95	88373	51.699	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	610	Below Cal	#	37
5) Bromomethane	2.699	94	615	Below Cal	#	80
10) Methyl Iodide	4.158	142	193	5.542	ug/l #	43
16) Acetone	4.017	43	346	Below Cal	#	37
20) Methylene Chloride	4.799	84	8186	Below Cal		93
25) 2-Butanone	7.093	43	55	Below Cal	#	42
31) Cyclohexane	7.875	56	2648	1.134	ug/l #	8
36) 1,1-Dichloropropene	7.875	75	10204	4.425	ug/l #	47
38) Carbon Tetrachloride	7.875	117	14468	6.752	ug/l #	17
71) Bromoform	12.569	173	989	1.355	ug/l #	30
76) 1,2,3-Trichloropropane	12.569	75	43206	62.653	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	43206	165.816	ug/l #	17

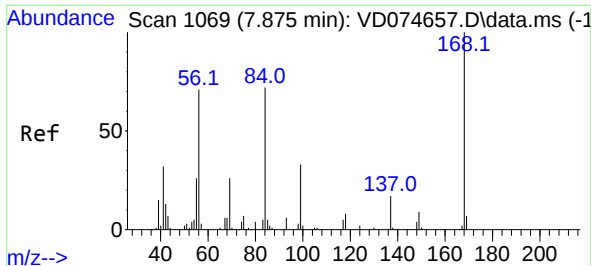
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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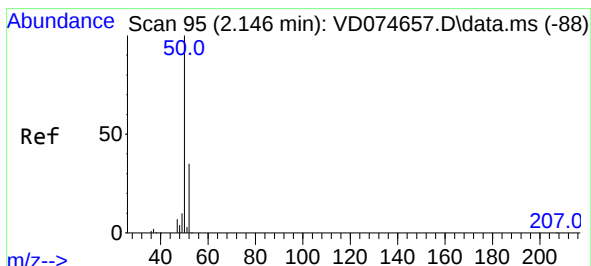
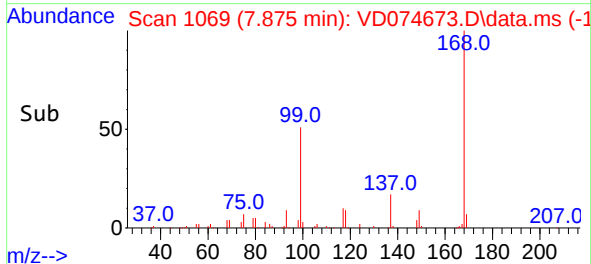
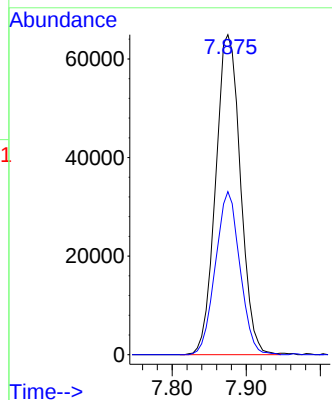
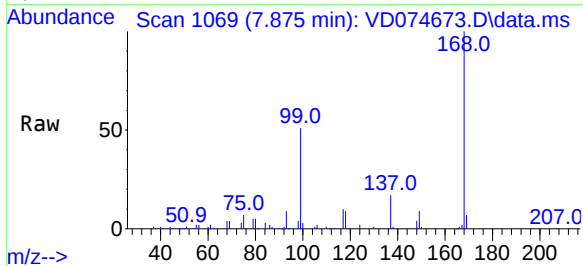




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

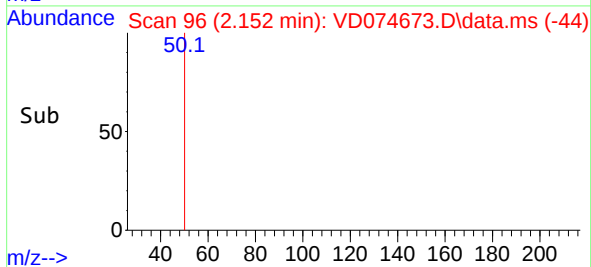
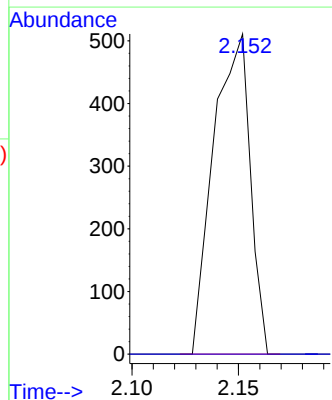
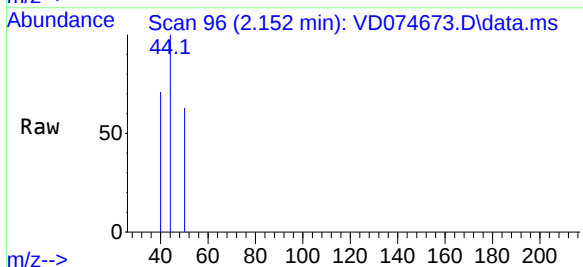
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-GRAB-2-NW-QUARTER

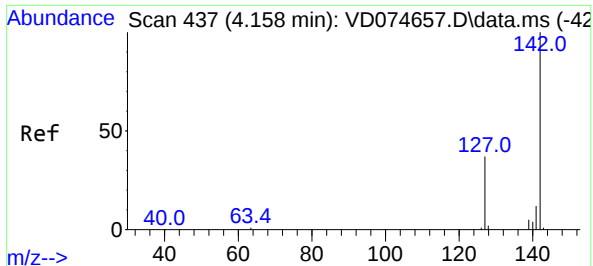
Tgt Ion:168 Resp: 150963
Ion Ratio Lower Upper
168 100
99 51.0 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

Tgt Ion: 50 Resp: 610
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

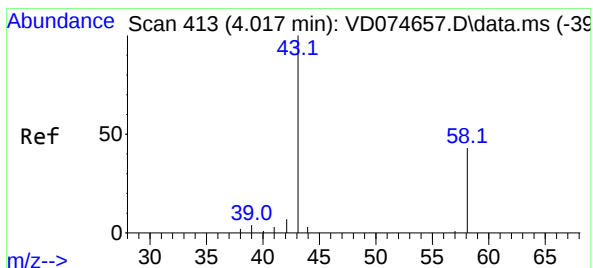
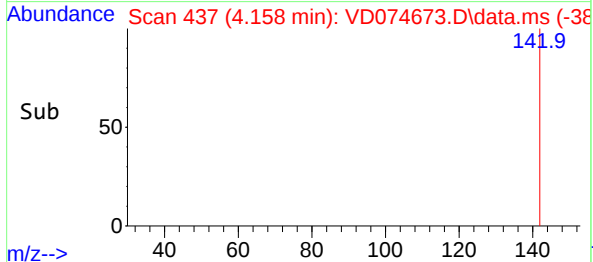
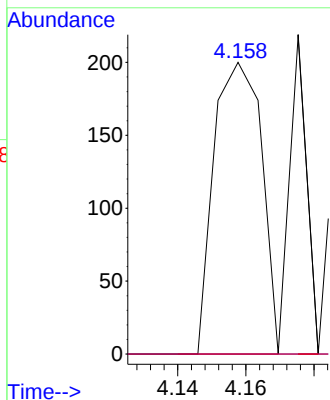
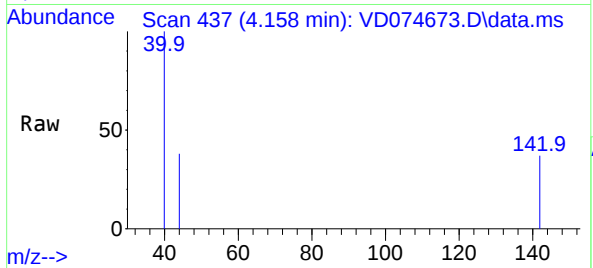




#10
Methyl Iodide
Concen: 5.542 ug/l
RT: 4.158 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

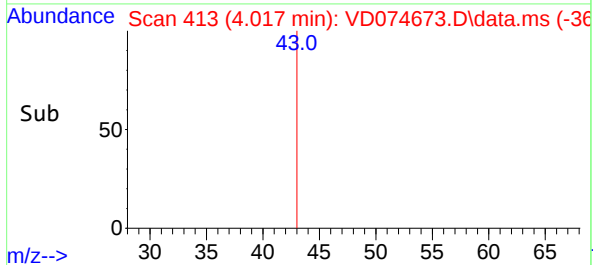
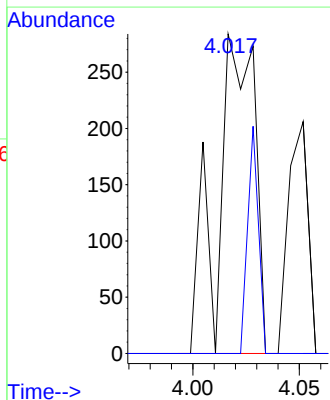
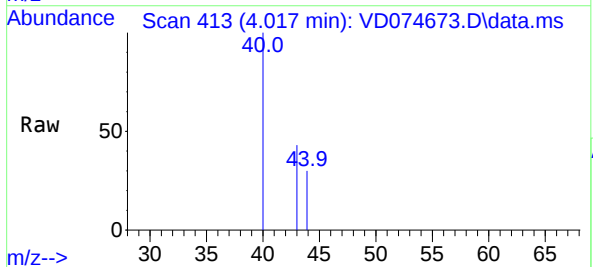
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-2-NW-QUARTER

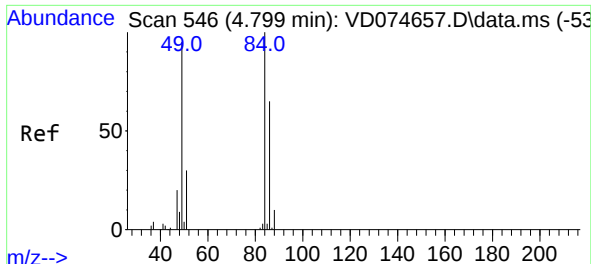
Tgt Ion:142 Resp: 193
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#16
Acetone
Concen: Below Cal
RT: 4.017 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#

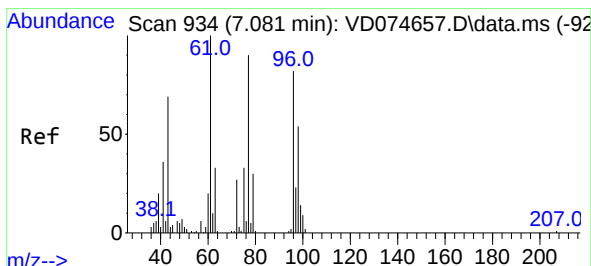
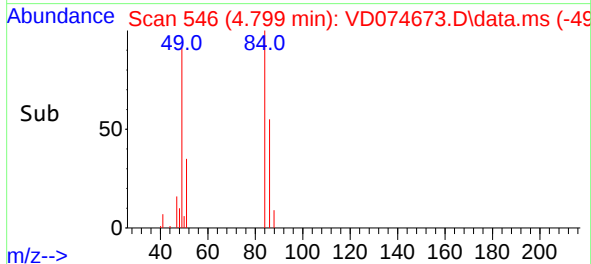
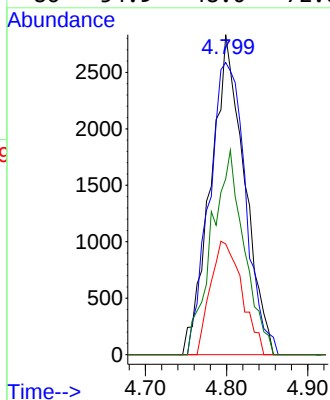
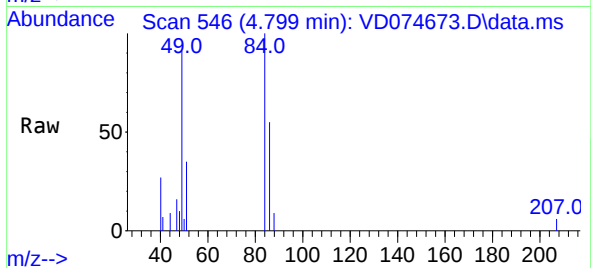




#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

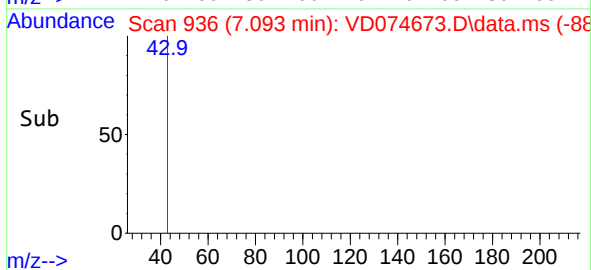
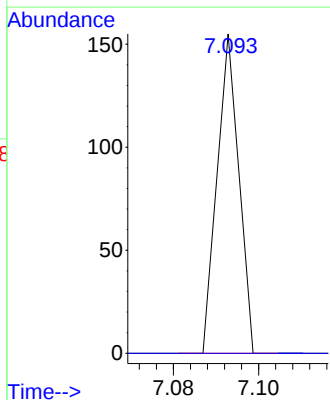
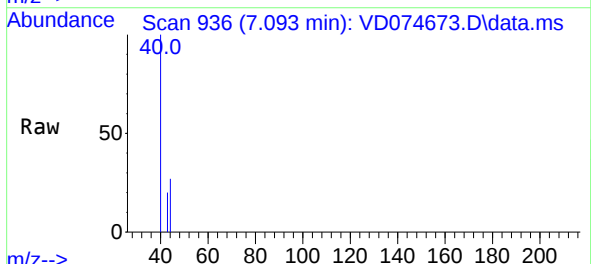
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-GRAB-2-NW-QUARTER

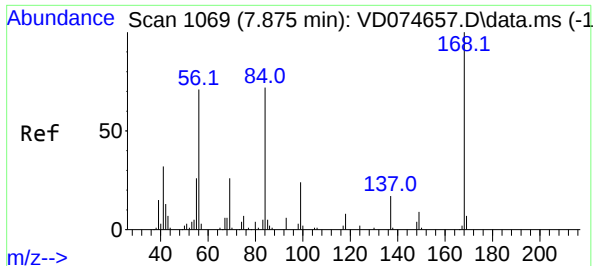
Tgt Ion:	84	Resp:	8186
Ion	Ratio	Lower	Upper
84	100		
49	91.3	68.0	102.0
51	34.6	23.2	34.8
86	54.9	48.0	72.0



#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#

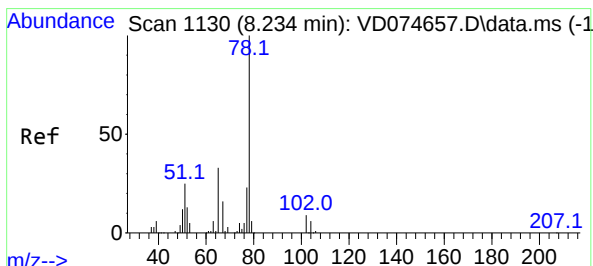
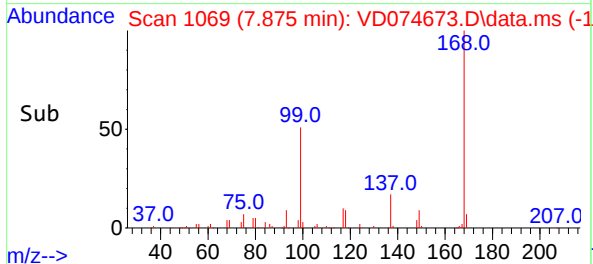
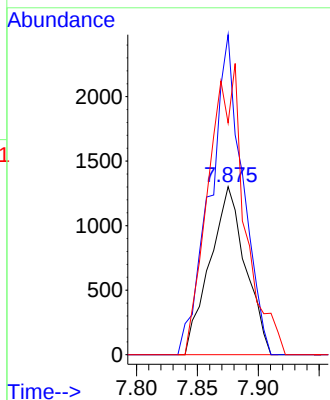
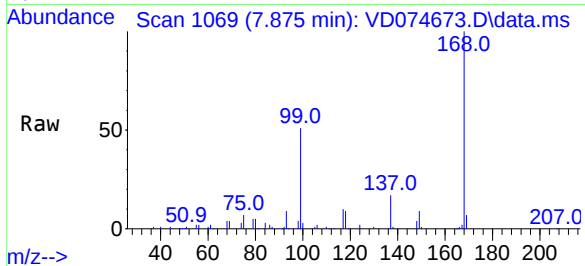




#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

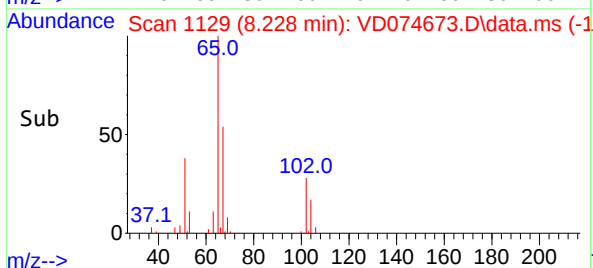
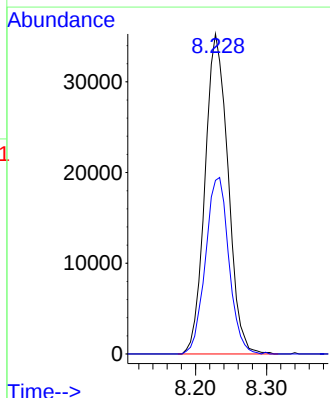
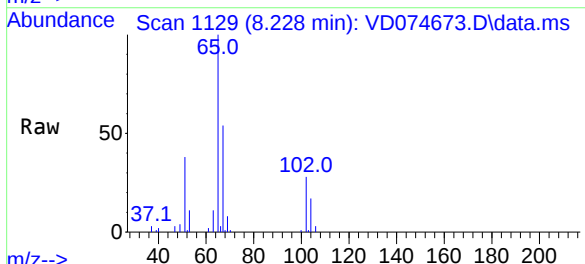
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-GRAB-2-NW-QUARTER

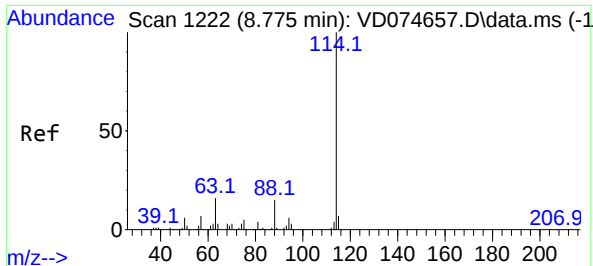
Tgt Ion: 56 Resp: 2648
Ion Ratio Lower Upper
56 100
69 190.5 29.2 43.8#
84 137.9 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 62.331 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

Tgt Ion: 65 Resp: 79419
Ion Ratio Lower Upper
65 100
67 56.0 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD074673.D

Acq: 28 Oct 2022 15:57

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-2-NW-QUARTER

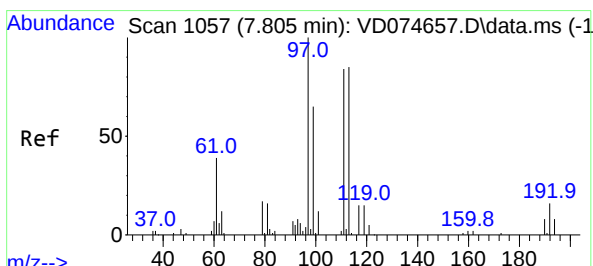
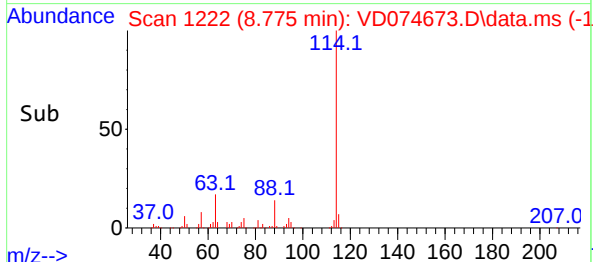
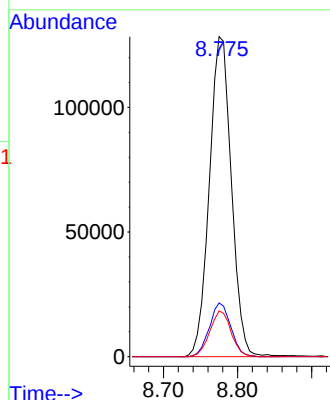
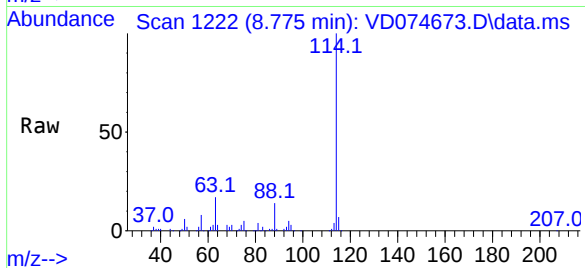
Tgt Ion:114 Resp: 265050

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.2

88 14.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 59.782 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074673.D

Acq: 28 Oct 2022 15:57

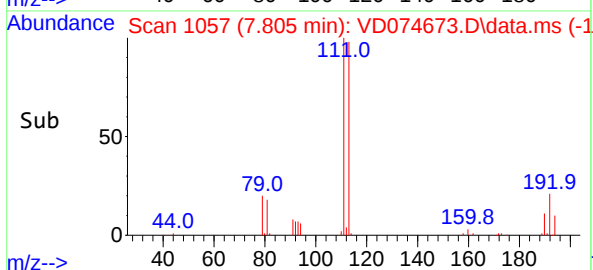
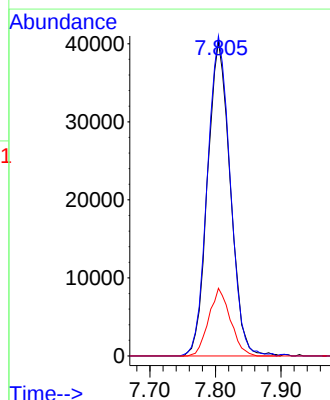
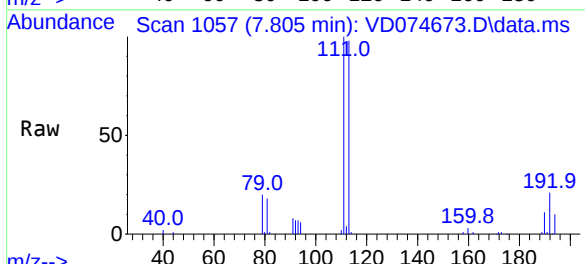
Tgt Ion:113 Resp: 96755

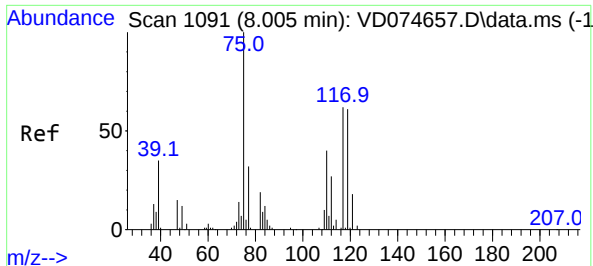
Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

192 20.5 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.425 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074673.D

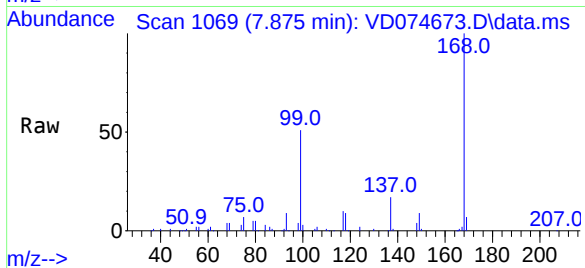
Acq: 28 Oct 2022 15:57

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-2-NW-QUARTER



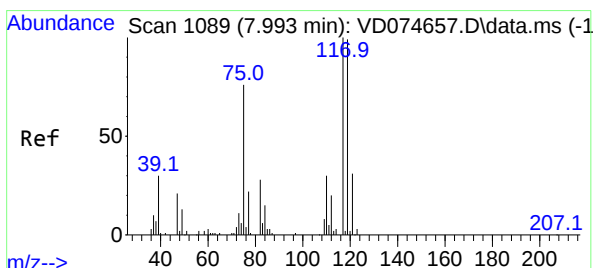
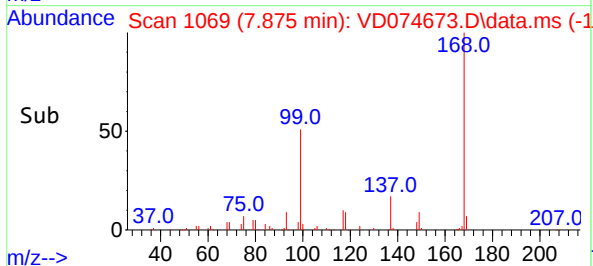
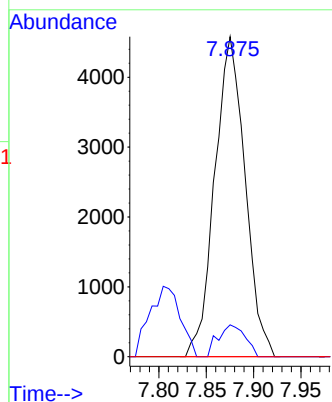
Tgt Ion: 75 Resp: 10204

Ion Ratio Lower Upper

75 100

110 8.9 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.752 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074673.D

Acq: 28 Oct 2022 15:57

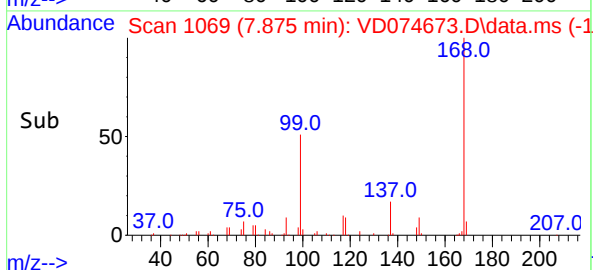
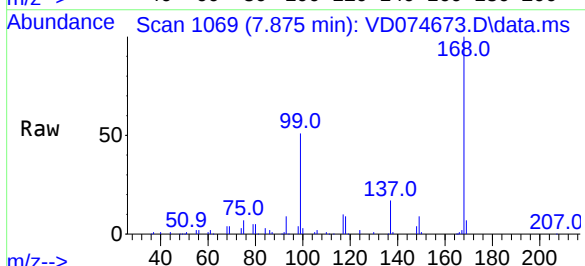
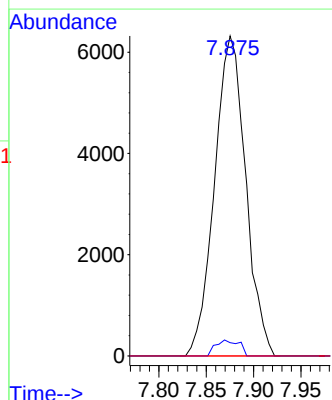
Tgt Ion: 117 Resp: 14468

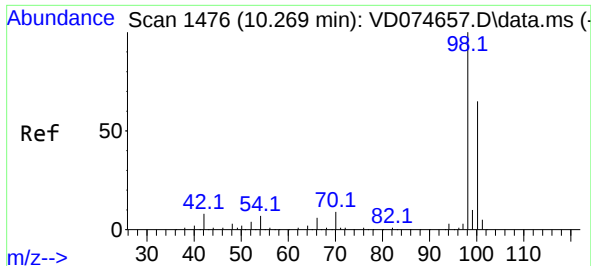
Ion Ratio Lower Upper

117 100

119 4.1 73.1 109.7#

121 0.0 25.0 37.6#

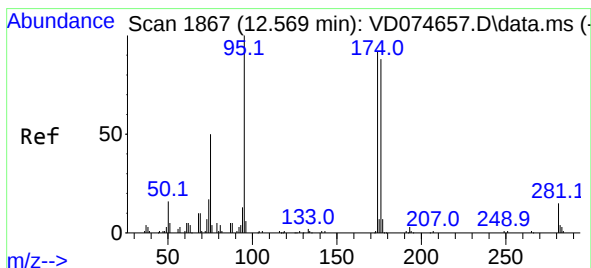
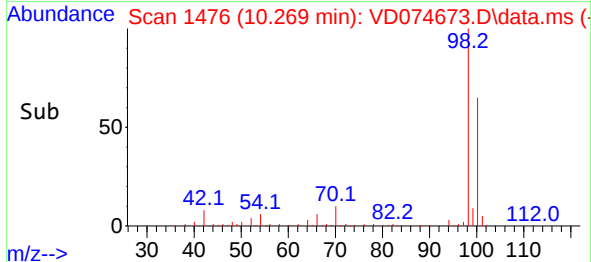
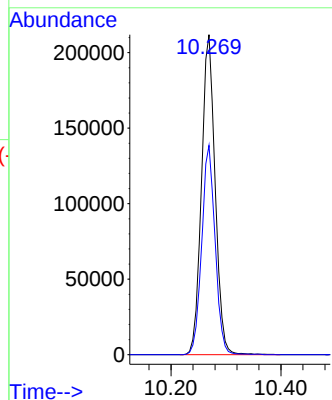
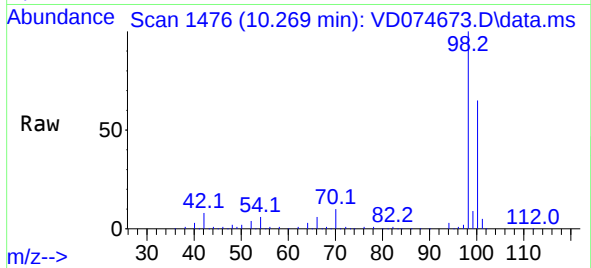




#50
Toluene-d8
Concen: 58.454 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

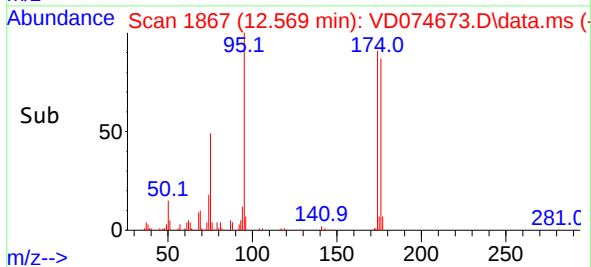
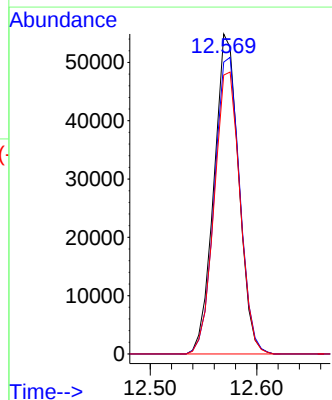
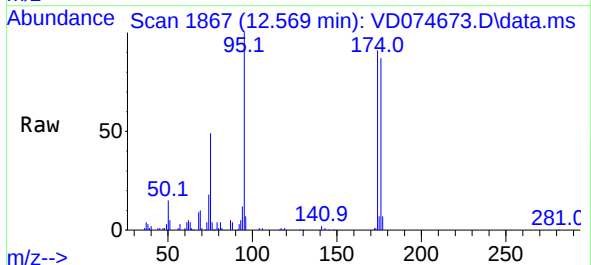
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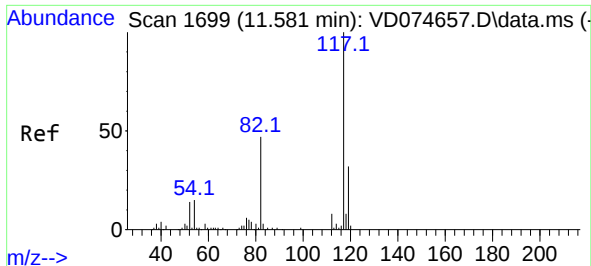
Tgt Ion: 98 Resp: 363822
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 51.699 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

Tgt Ion: 95 Resp: 88373
Ion Ratio Lower Upper
95 100
174 95.1 0.0 197.0
176 91.3 0.0 182.6

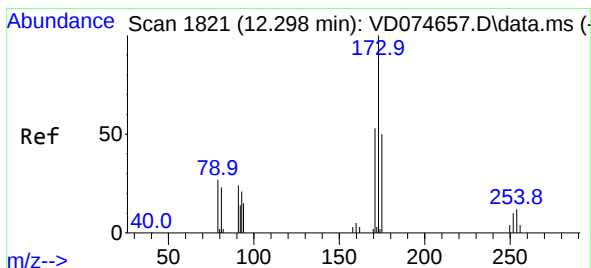
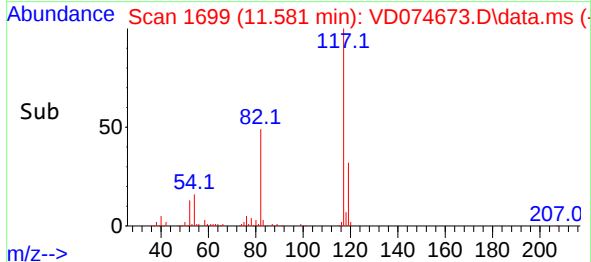
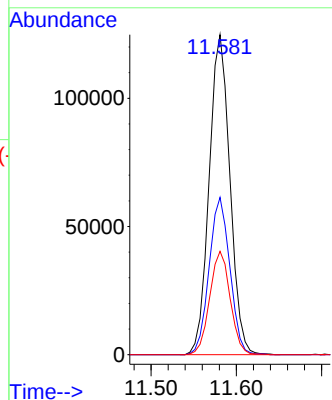
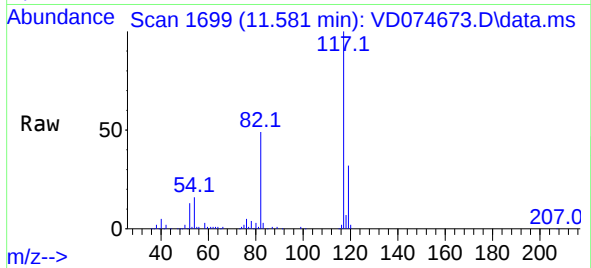




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

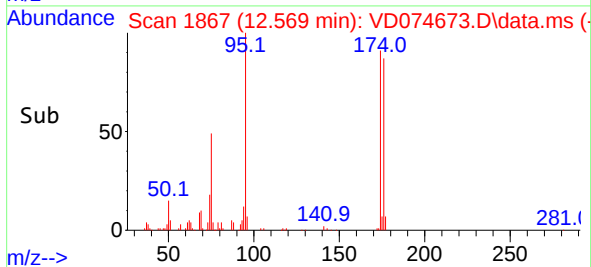
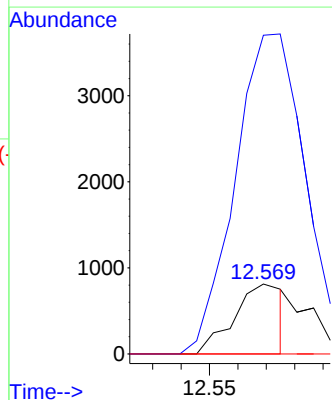
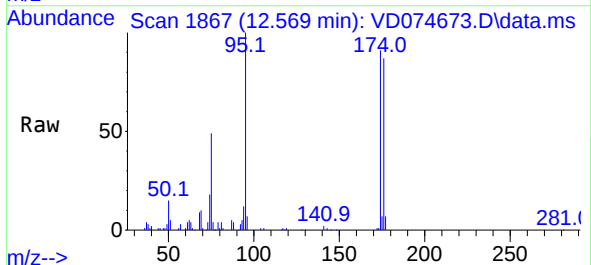
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-GRAB-2-NW-QUARTER

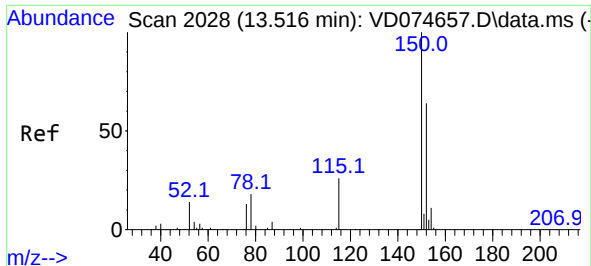
Tgt Ion:117 Resp: 211384
Ion Ratio Lower Upper
117 100
82 49.2 41.6 62.4
119 32.3 25.2 37.8



#71
Bromoform
Concen: 1.355 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.271 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

Tgt Ion:173 Resp: 989
Ion Ratio Lower Upper
173 100
175 0.0 23.1 69.3#
254 0.0 0.0 0.0

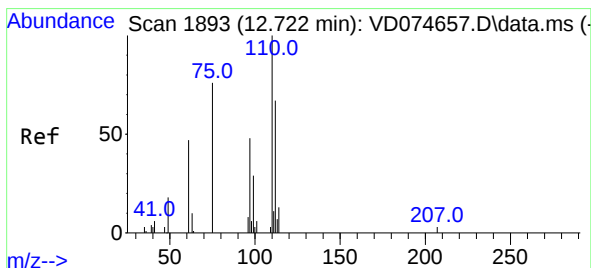
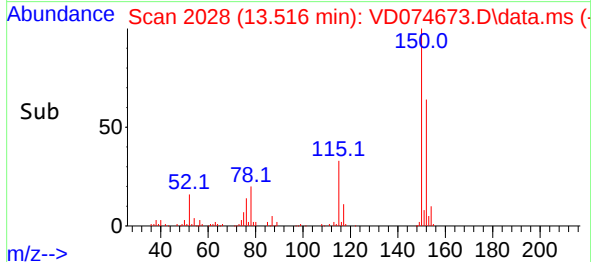
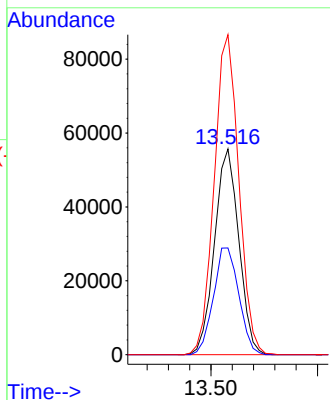
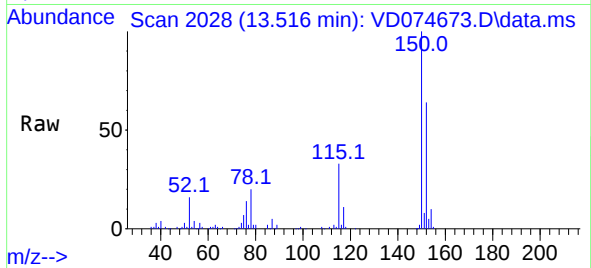




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

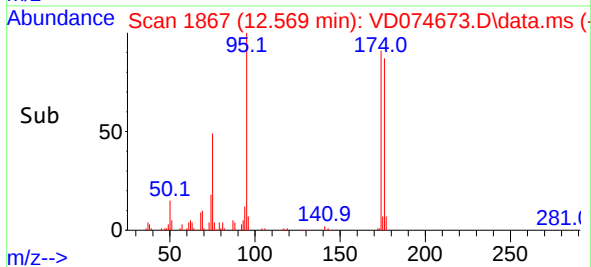
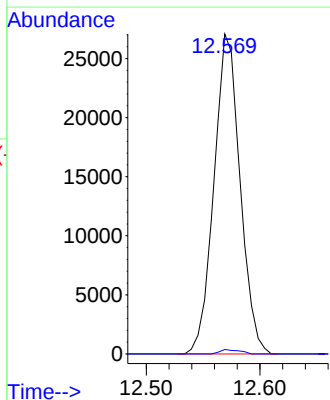
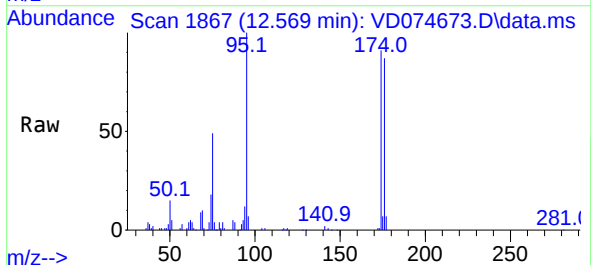
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-GRAB-2-NW-QUARTER

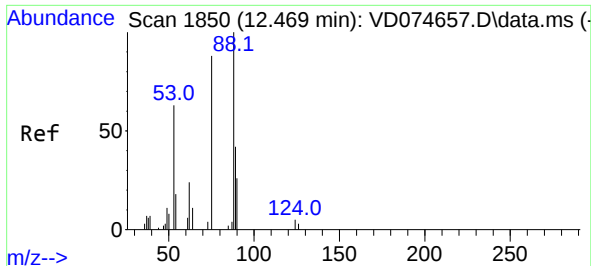
Tgt Ion:152 Resp: 88173
Ion Ratio Lower Upper
152 100
115 54.3 26.8 80.4
150 157.3 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 62.653 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074673.D
Acq: 28 Oct 2022 15:57

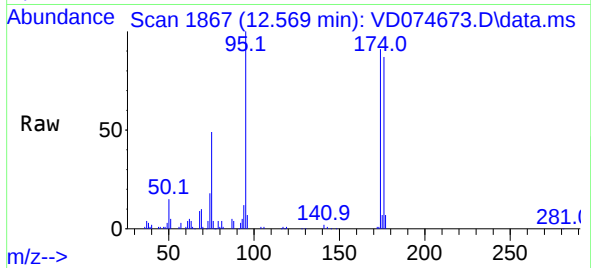
Tgt Ion: 75 Resp: 43206
Ion Ratio Lower Upper
75 100
77 1.1 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 165.816 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD074673.D
 Acq: 28 Oct 2022 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-2-NW-QUARTER



Tgt Ion:	75	Resp:	43206
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

