

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074669.D
 Acq On : 28 Oct 2022 14:07
 Operator : VA/SY
 Sample : N5213-06
 Misc : 11.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-5-SW-QUARTER

Quant Time: Oct 29 02:14:42 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)

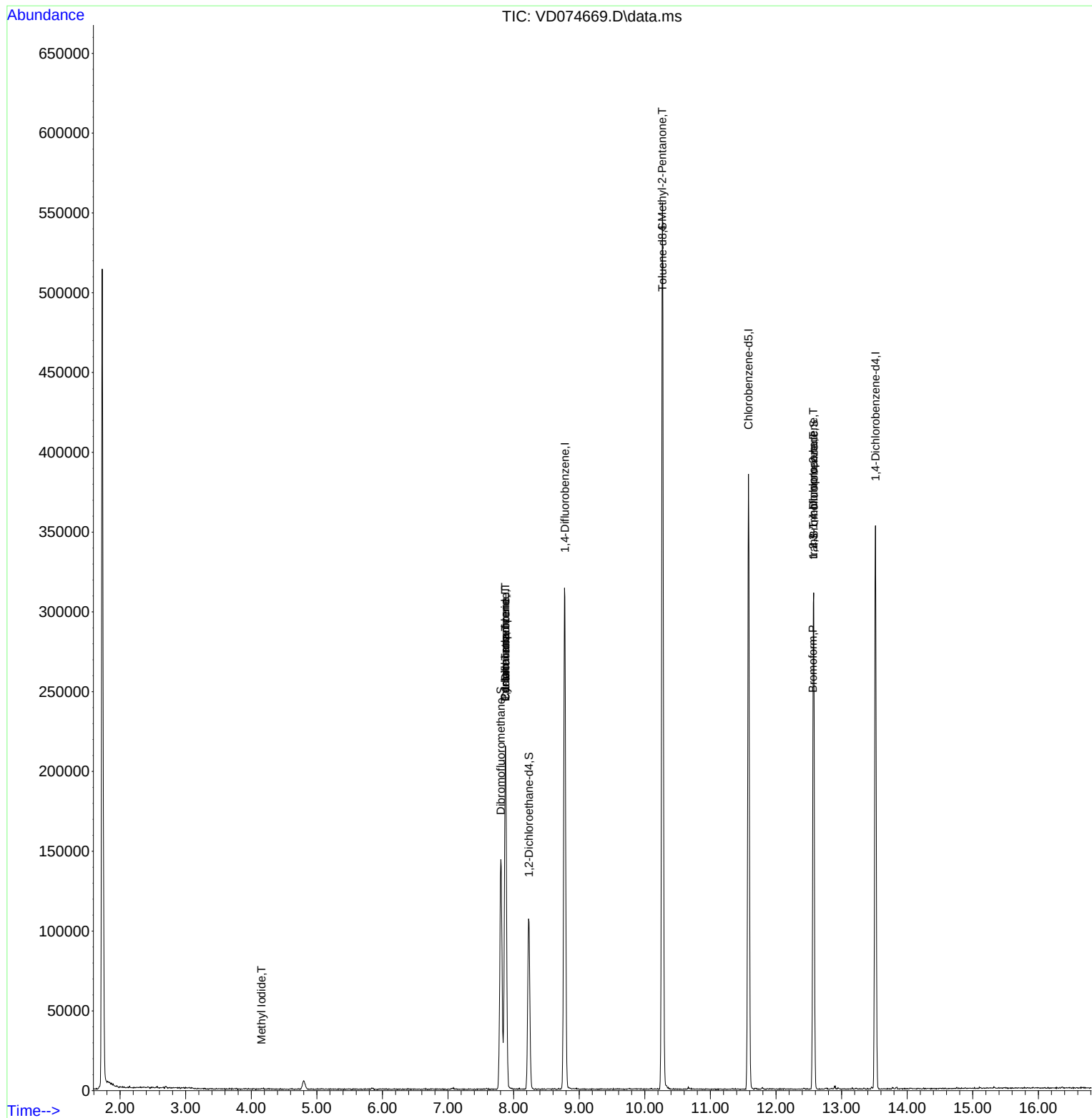
Internal Standards						
1) Pentafluorobenzene	7.875	168	181052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	307590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	239123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	85405	55.889	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.780%	
35) Dibromofluoromethane	7.805	113	106586	56.748	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.500%	
50) Toluene-d8	10.269	98	405654	56.161	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.320%	
62) 4-Bromofluorobenzene	12.575	95	102375	51.607	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	474	Below Cal		97
5) Bromomethane	2.693	94	717	Below Cal	#	63
10) Methyl Iodide	4.158	142	492	5.634 ug/l	#	43
16) Acetone	4.028	43	186	Below Cal	#	37
20) Methylene Chloride	4.805	84	4857	Below Cal	#	91
25) 2-Butanone	7.081	43	62	Below Cal	#	42
31) Cyclohexane	7.875	56	3039	1.085 ug/l	#	34
36) 1,1-Dichloropropene	7.875	75	12455	4.654 ug/l	#	46
38) Carbon Tetrachloride	7.875	117	17377	6.988 ug/l	#	18
51) 4-Methyl-2-Pentanone	10.263	43	1056	1.327 ug/l	#	1
71) Bromoform	12.563	173	1114	1.350 ug/l	#	1
76) 1,2,3-Trichloropropane	12.569	75	49379	61.323 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.569	75	49379	162.296 ug/l	#	17

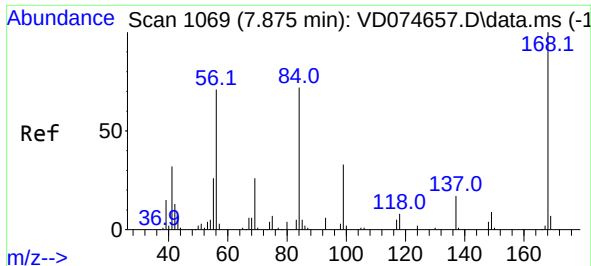
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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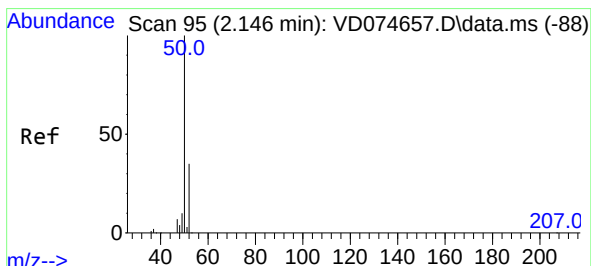
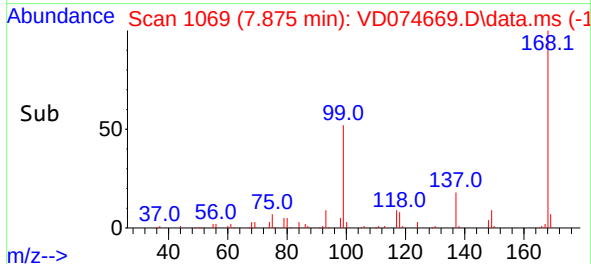
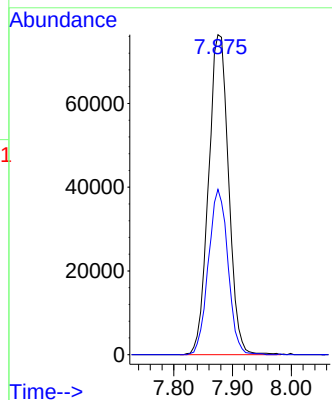
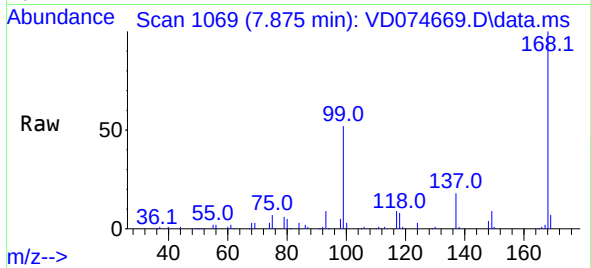




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

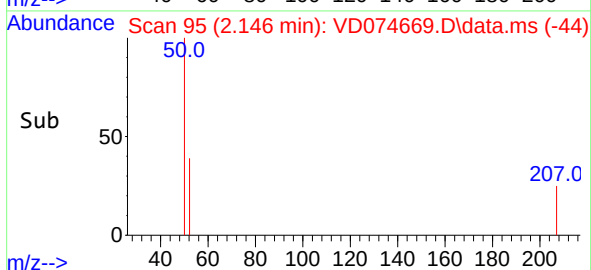
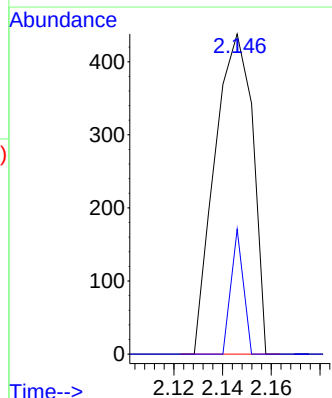
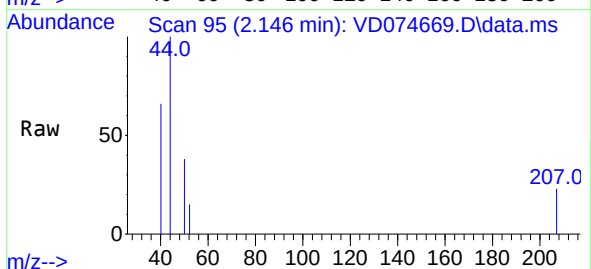
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-GRAB-5-SW-QUARTER

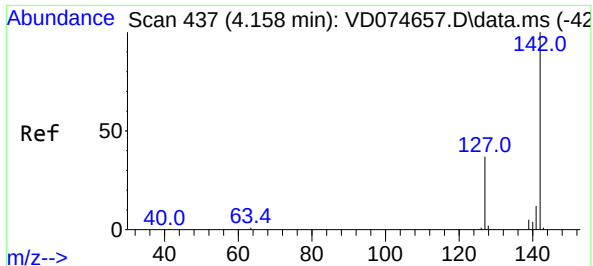
Tgt Ion:168 Resp: 181052
Ion Ratio Lower Upper
168 100
99 51.6 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

Tgt Ion: 50 Resp: 474
Ion Ratio Lower Upper
50 100
52 39.0 30.0 45.0

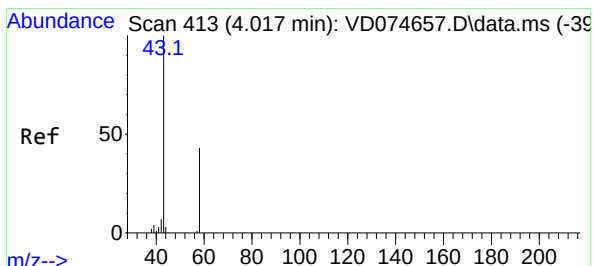
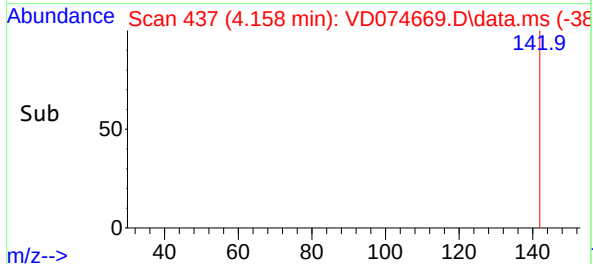
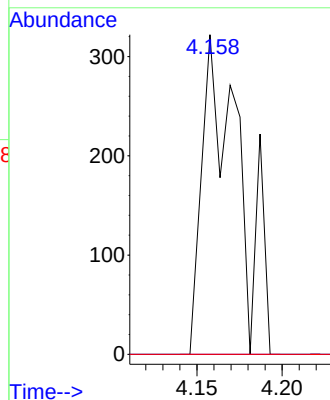
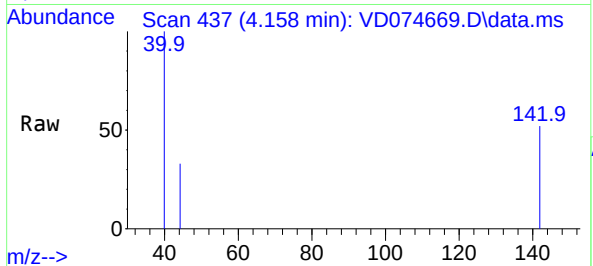




#10
Methyl Iodide
Concen: 5.634 ug/l
RT: 4.158 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

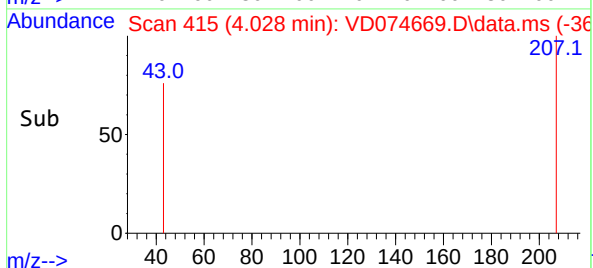
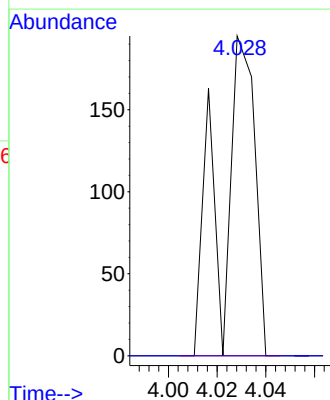
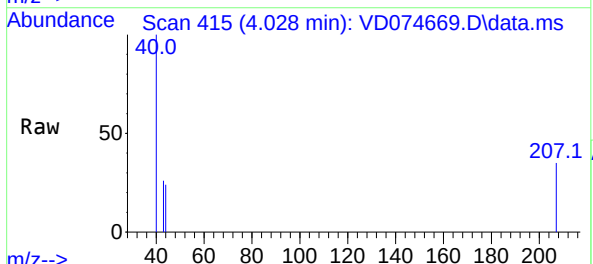
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SW-QUARTER

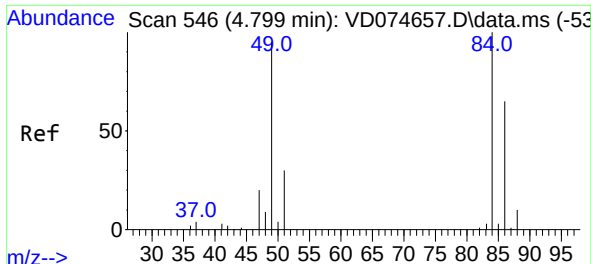
Tgt Ion:142 Resp: 492
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. 0.011 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#

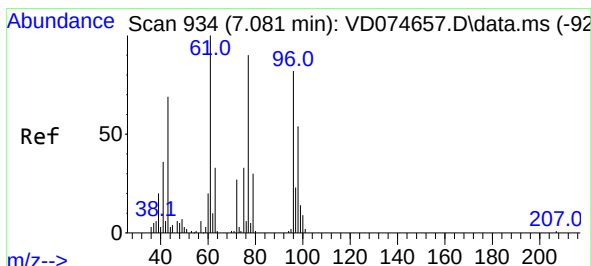
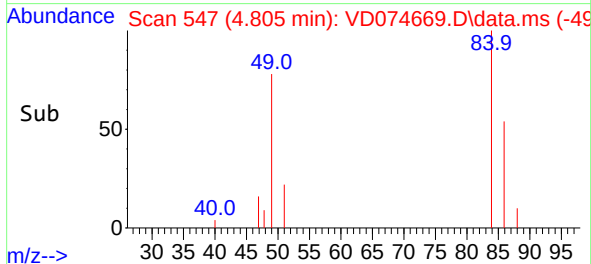
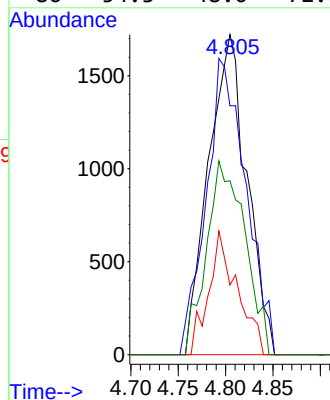
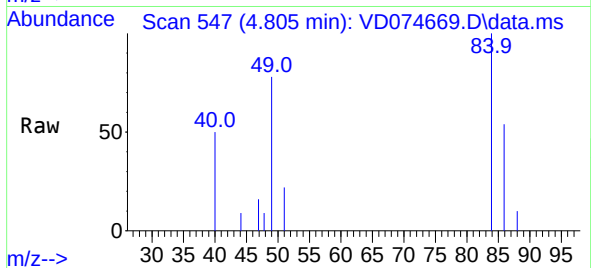




#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

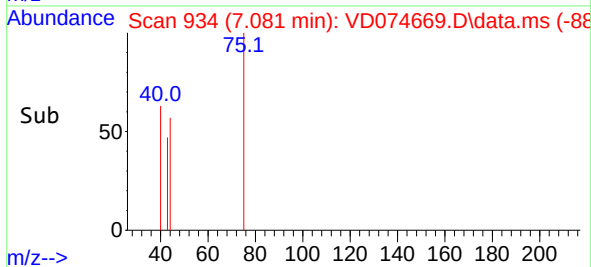
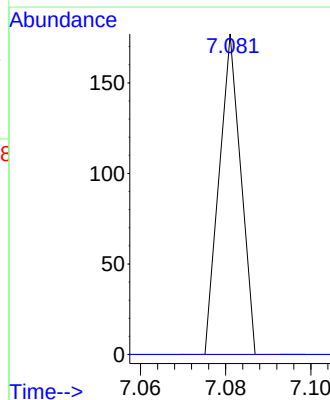
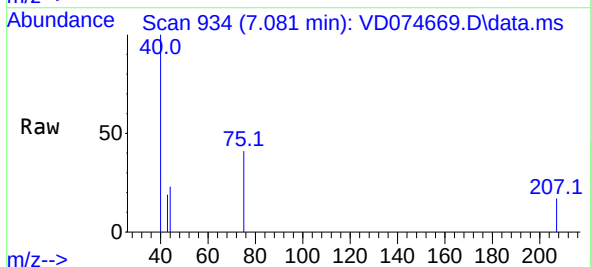
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SW-QUARTER

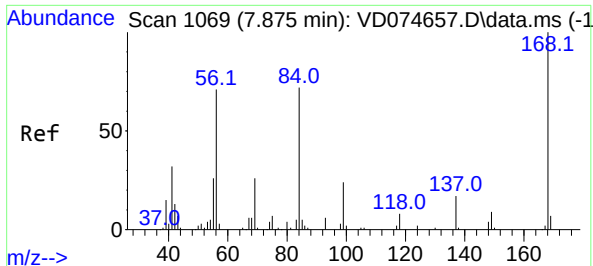
Tgt Ion:	84	Resp:	4857
Ion	Ratio	Lower	Upper
84	100		
49	77.7	68.0	102.0
51	21.7	23.2	34.8
86	54.3	48.0	72.0



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

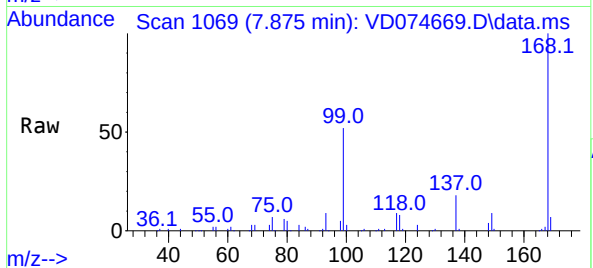
Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8



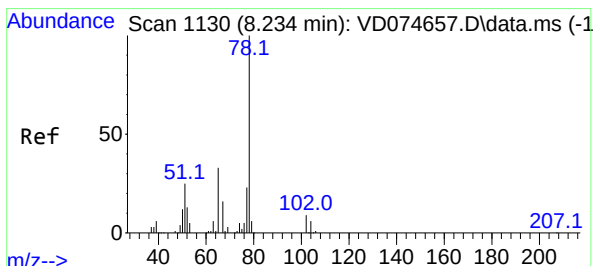
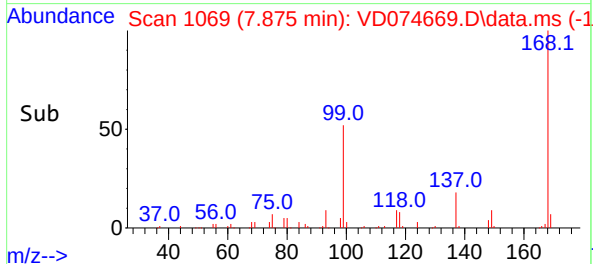
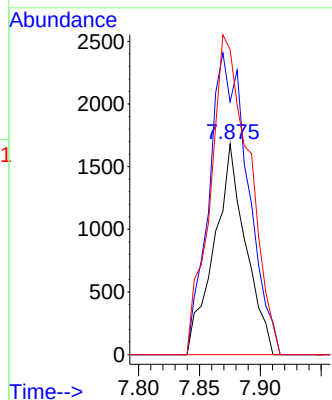


#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SW-QUARTER

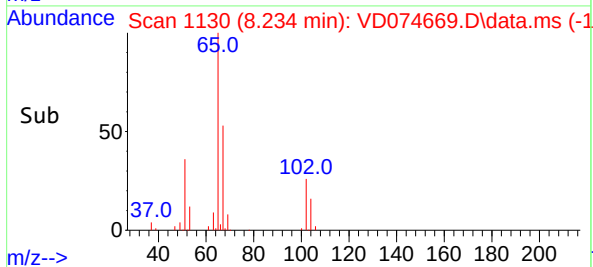
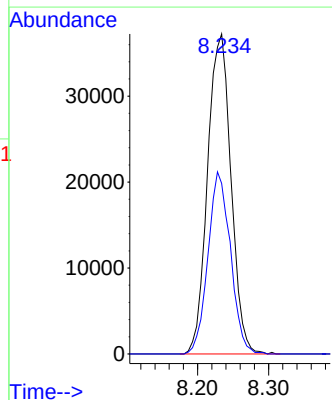
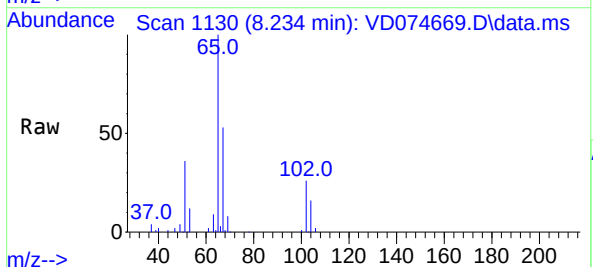


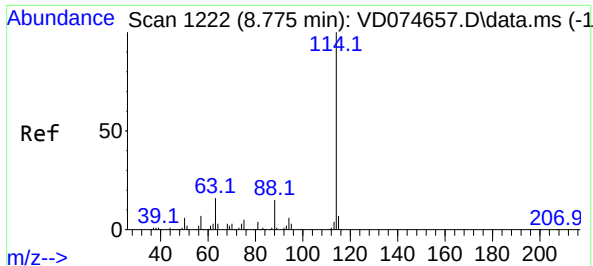
Tgt Ion: 56 Resp: 3039
Ion Ratio Lower Upper
56 100
69 120.0 29.2 43.8#
84 144.7 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 55.889 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

Tgt Ion: 65 Resp: 85405
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074669.D

Acq: 28 Oct 2022 14:07

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-5-SW-QUARTER

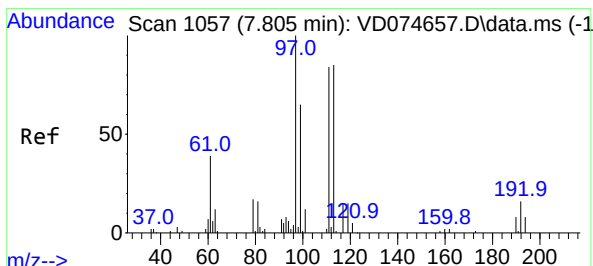
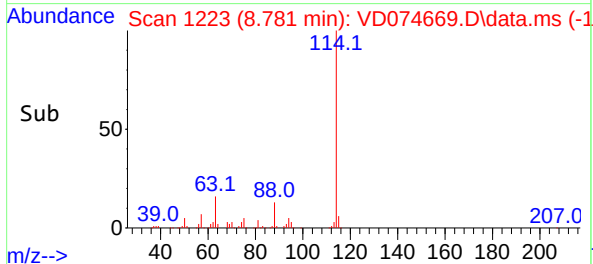
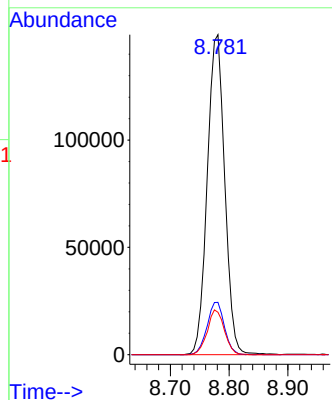
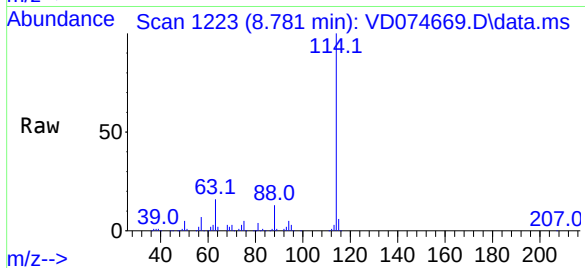
Tgt Ion:114 Resp: 307590

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.2

88 13.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 56.748 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074669.D

Acq: 28 Oct 2022 14:07

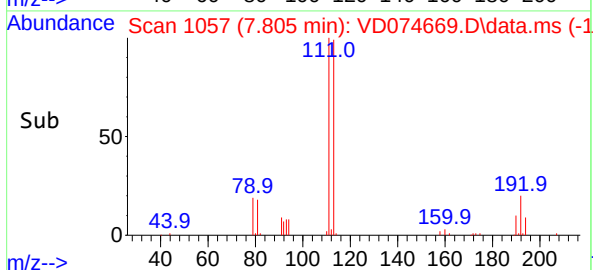
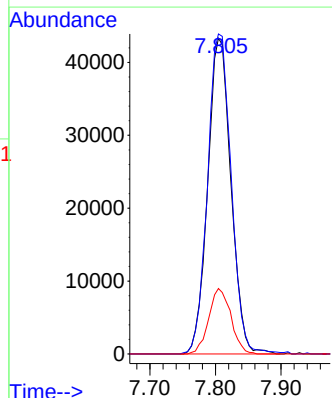
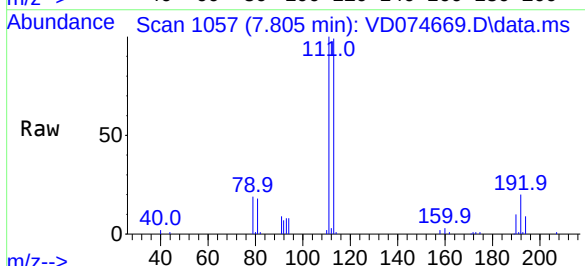
Tgt Ion:113 Resp: 106586

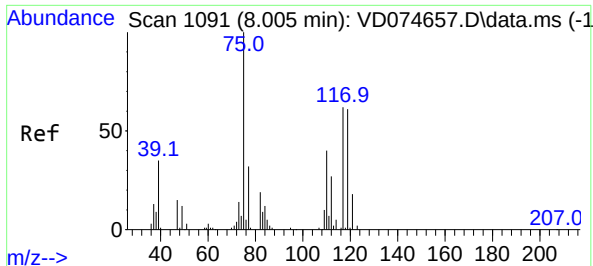
Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

192 19.8 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.654 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074669.D

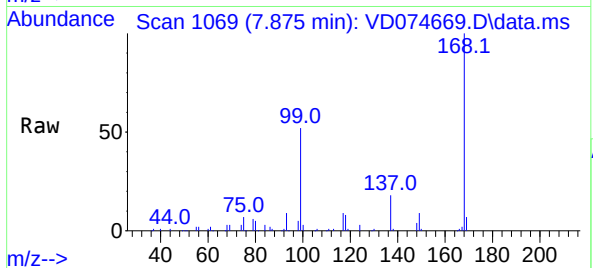
Acq: 28 Oct 2022 14:07

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-5-SW-QUARTER



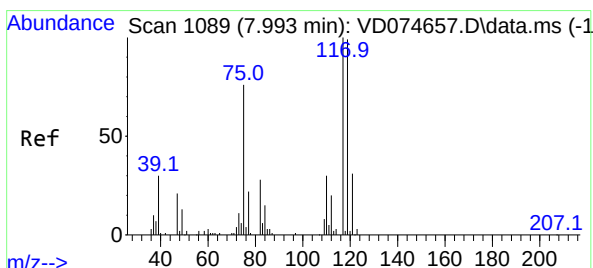
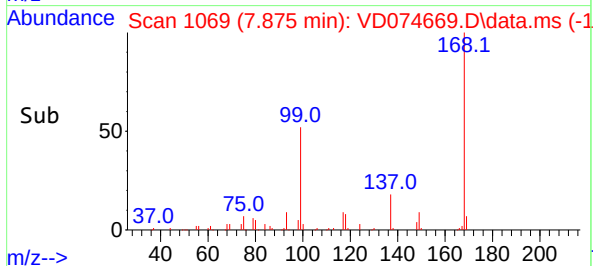
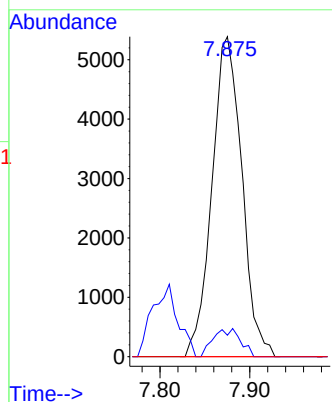
Tgt Ion: 75 Resp: 12455

Ion Ratio Lower Upper

75 100

110 8.0 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.988 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074669.D

Acq: 28 Oct 2022 14:07

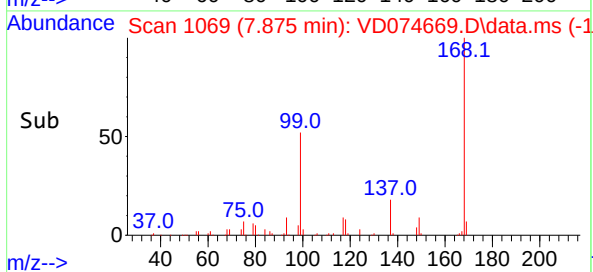
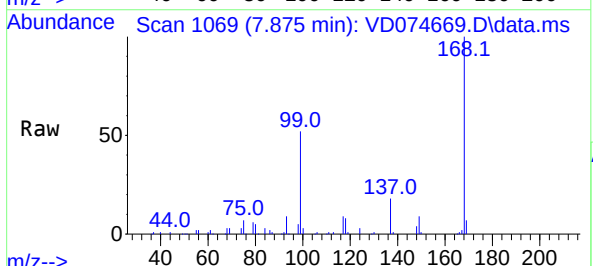
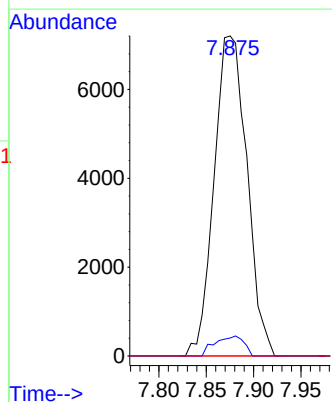
Tgt Ion: 117 Resp: 17377

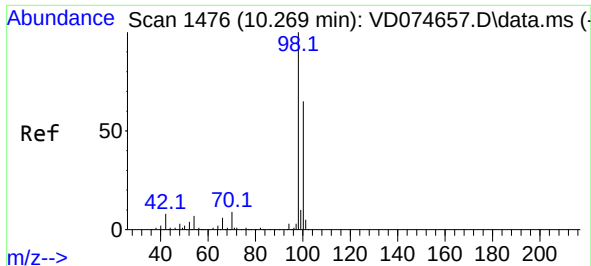
Ion Ratio Lower Upper

117 100

119 5.6 73.1 109.7#

121 0.0 25.0 37.6#

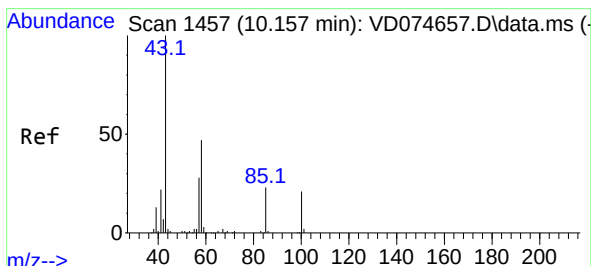
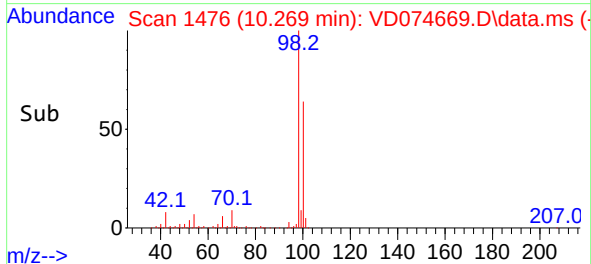
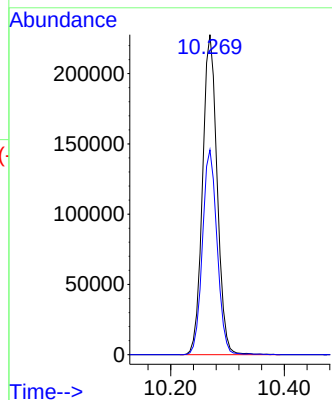
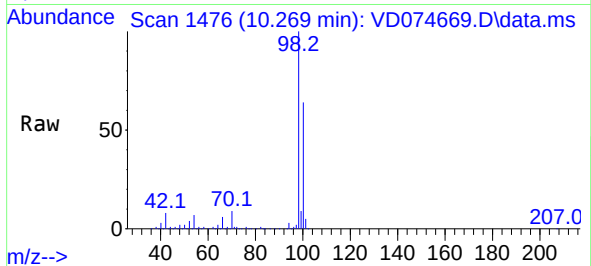




#50
Toluene-d8
Concen: 56.161 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

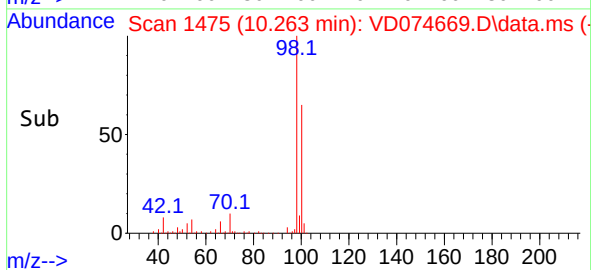
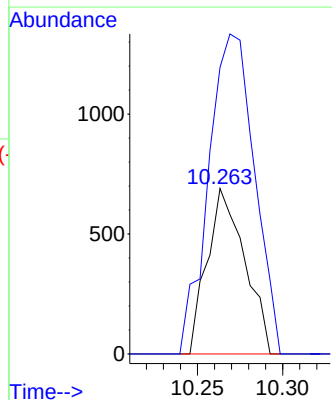
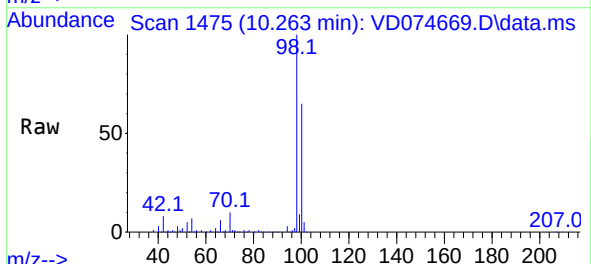
Instrument : MSVOA_D
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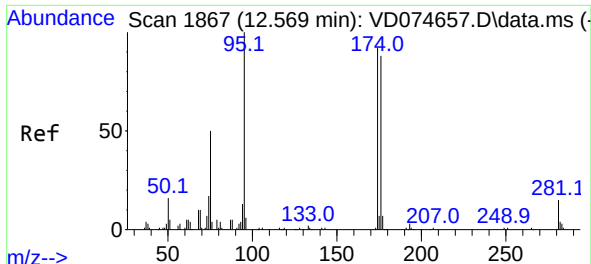
Tgt Ion: 98 Resp: 405654
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.327 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 237.0 37.8 56.6#

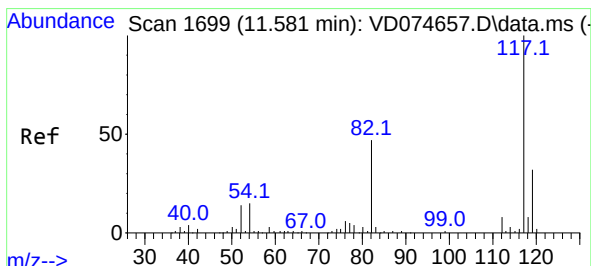
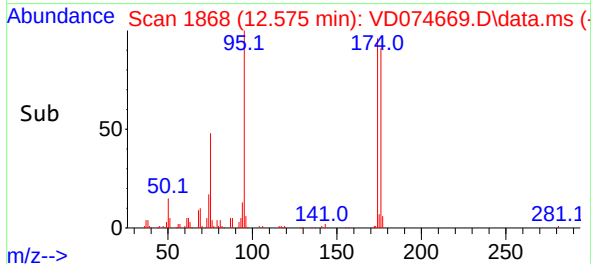
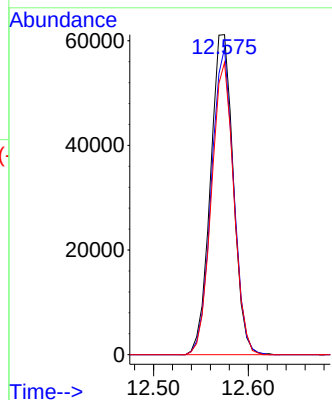
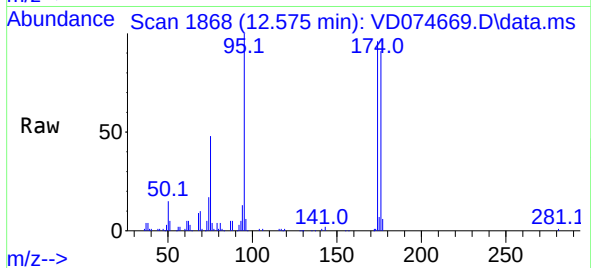




#62
4-Bromofluorobenzene
Concen: 51.607 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

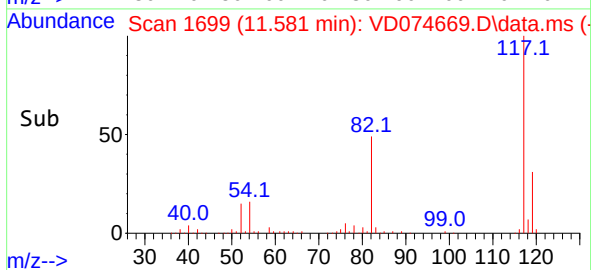
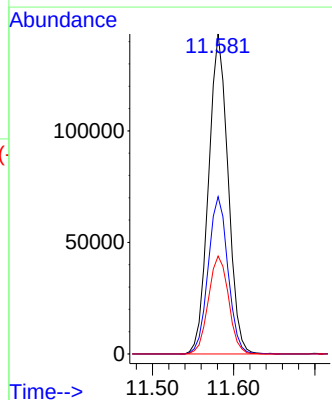
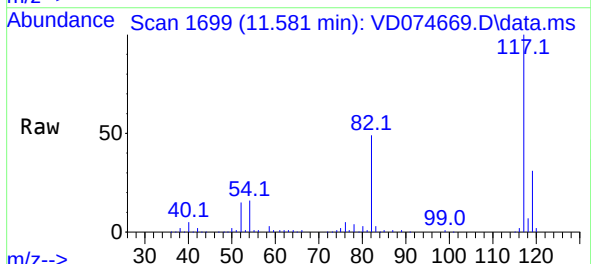
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-GRAB-5-SW-QUARTER

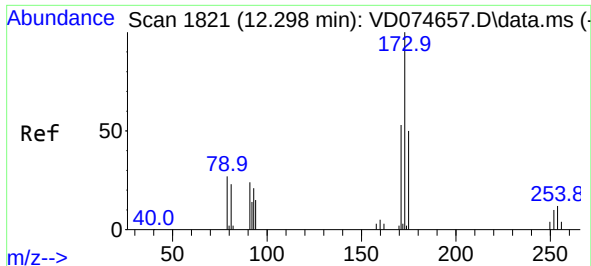
Tgt Ion:	95	Resp:	102375
Ion Ratio	Lower	Upper	
95	100		
174	92.9	0.0	197.0
176	89.0	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

Tgt Ion:	117	Resp:	239123
Ion Ratio	Lower	Upper	
117	100		
82	49.1	41.6	62.4
119	30.6	25.2	37.8

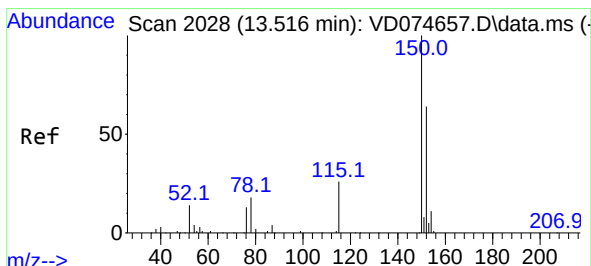
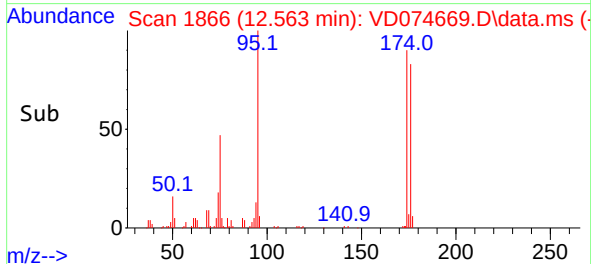
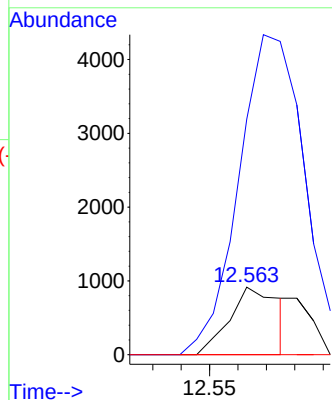
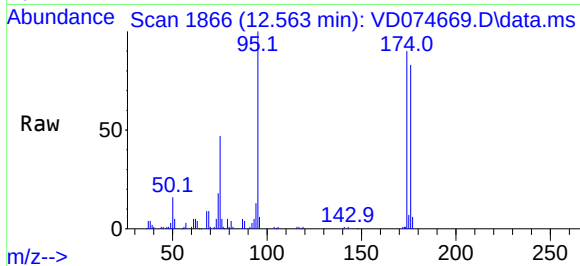




#71
Bromoform
Concen: 1.350 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.265 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

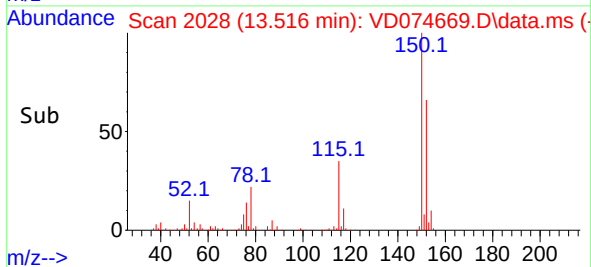
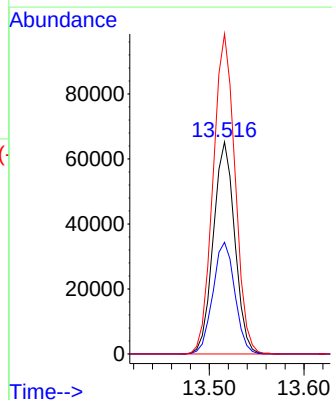
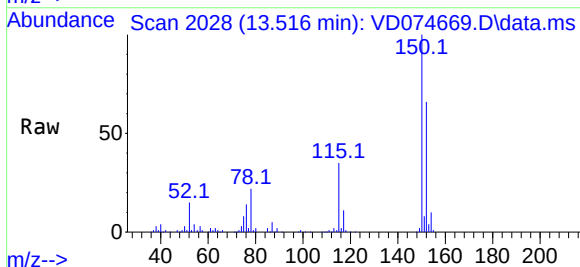
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SW-QUARTER

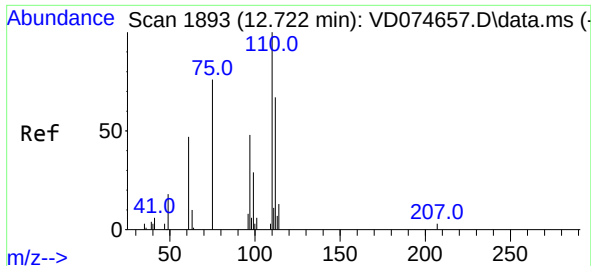
Tgt Ion:173 Resp: 1114
Ion Ratio Lower Upper
173 100
175 446.1 23.1 69.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

Tgt Ion:152 Resp: 102956
Ion Ratio Lower Upper
152 100
115 53.9 26.8 80.4
150 154.3 0.0 348.2

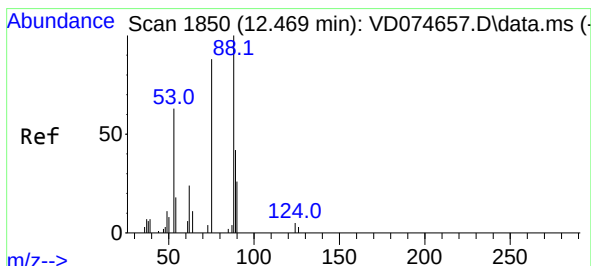
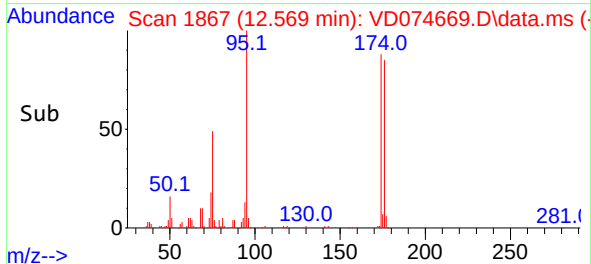
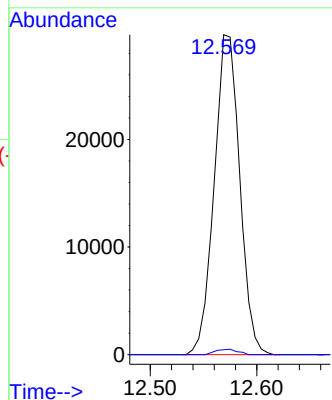
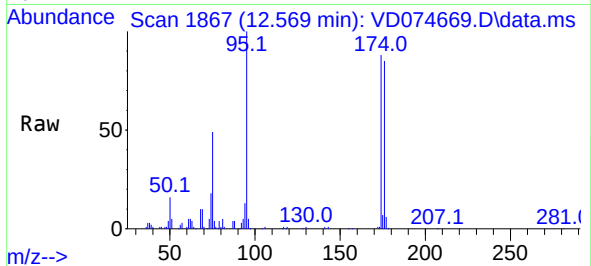




#76
1,2,3-Trichloropropane
Concen: 61.323 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SW-QUARTER

Tgt Ion: 75 Resp: 49379
Ion Ratio Lower Upper
75 100
77 1.5 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 162.296 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074669.D
Acq: 28 Oct 2022 14:07

Tgt Ion: 75 Resp: 49379
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

