

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074675.D
 Acq On : 28 Oct 2022 16:52
 Operator : VA/SY
 Sample : N5313-23
 Misc : 10.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-3-SE-QUARTER

Quant Time: Oct 29 02:15:34 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)

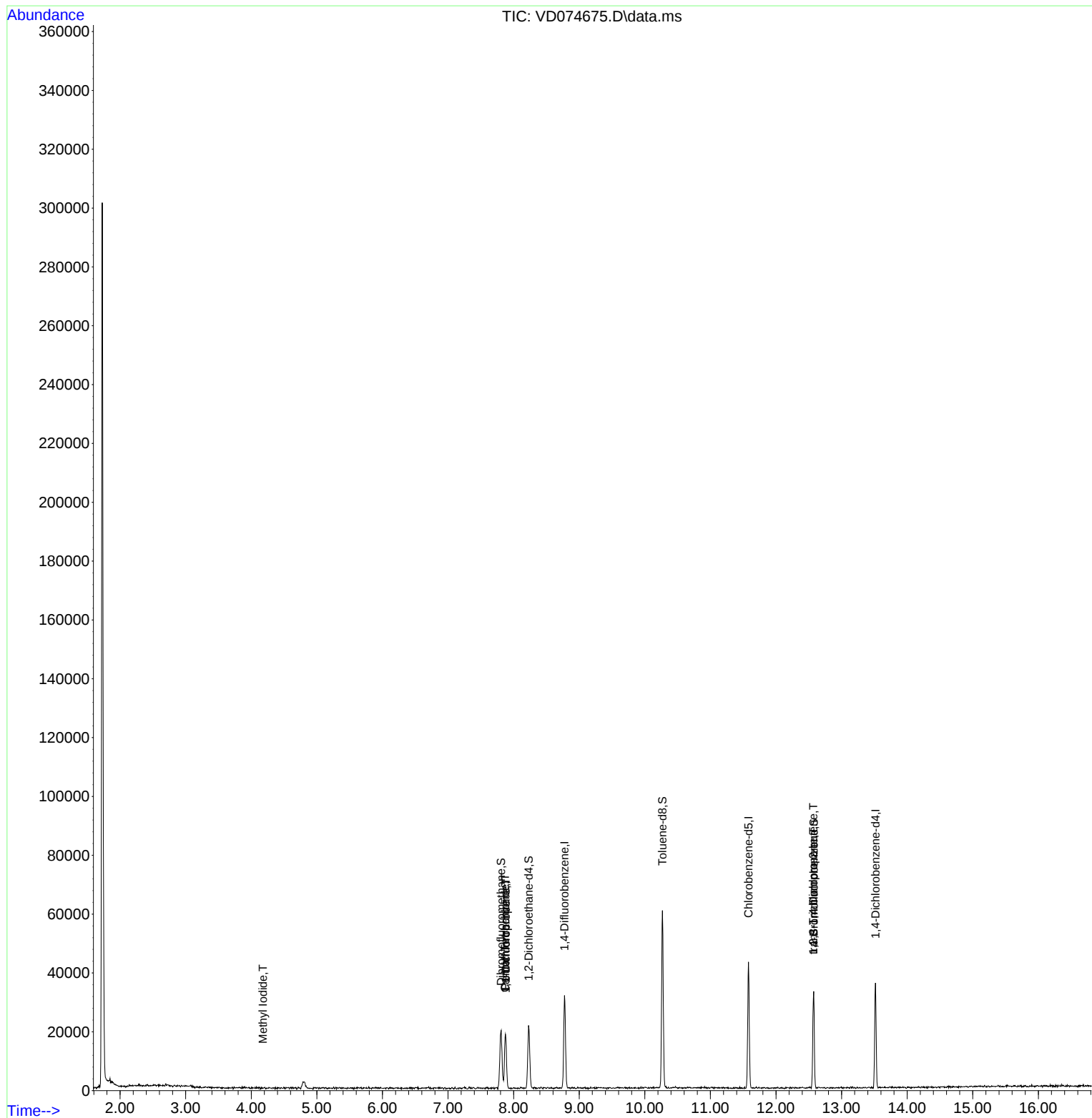
Internal Standards						
1) Pentafluorobenzene	7.875	168	16734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	31132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	28086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	10509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	16678	118.084	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 236.160%#	
35) Dibromofluoromethane	7.810	113	15021	79.017	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 158.040%#	
50) Toluene-d8	10.269	98	44508	60.881	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 121.760%	
62) 4-Bromofluorobenzene	12.575	95	11013	54.852	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	175	Below Cal	#	37
10) Methyl Iodide	4.175	142	110	5.882	ug/l #	43
16) Acetone	4.028	43	65	Below Cal	#	37
20) Methylene Chloride	4.805	84	2238	Below Cal	#	92
36) 1,1-Dichloropropene	7.881	75	1019	3.762	ug/l #	39
38) Carbon Tetrachloride	7.869	117	1406	5.586	ug/l #	14
76) 1,2,3-Trichloropropane	12.569	75	5197	63.231	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	5197	167.344	ug/l #	17

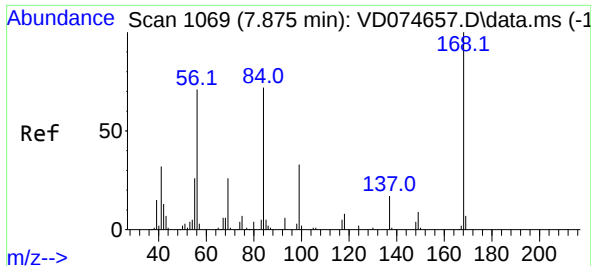
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

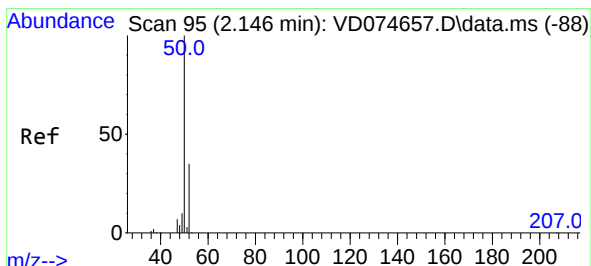
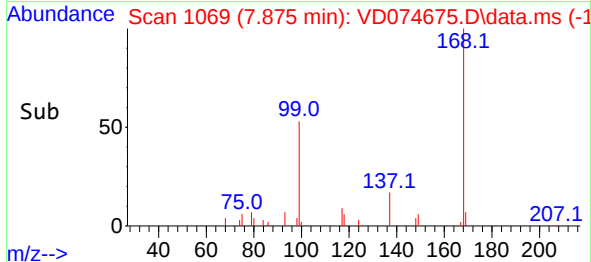
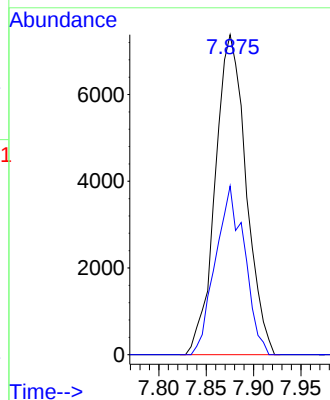
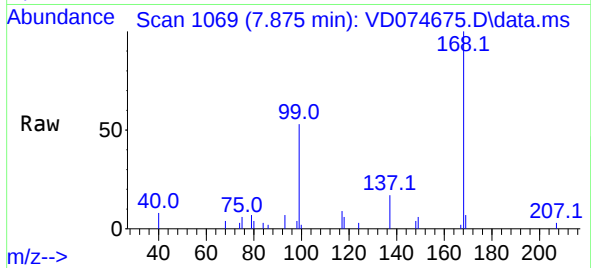




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

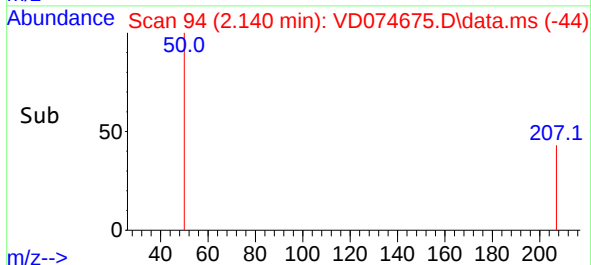
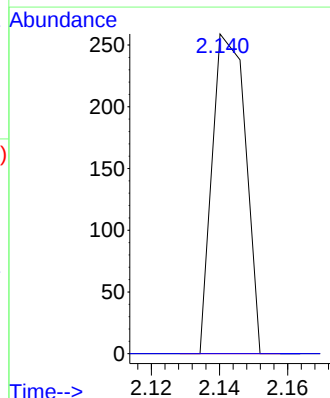
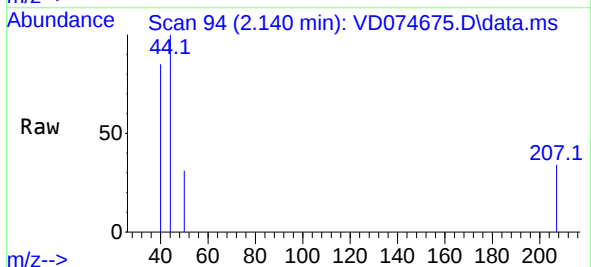
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-3-SE-QUARTER

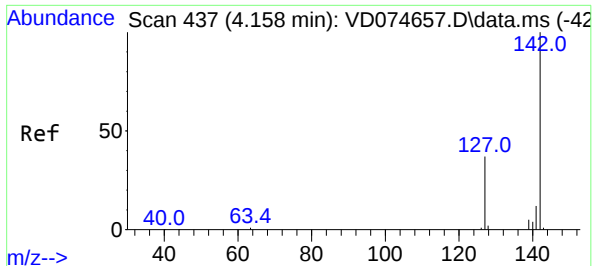
Tgt Ion:168 Resp: 16734
Ion Ratio Lower Upper
168 100
99 52.7 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

Tgt Ion: 50 Resp: 175
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

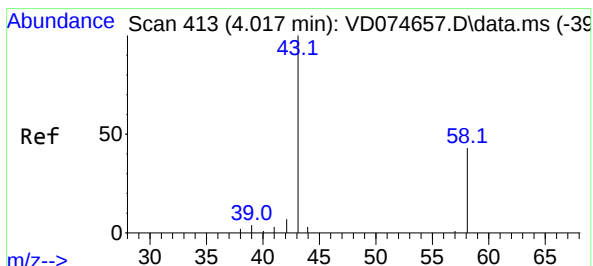
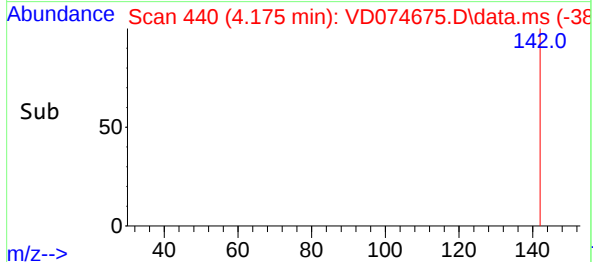
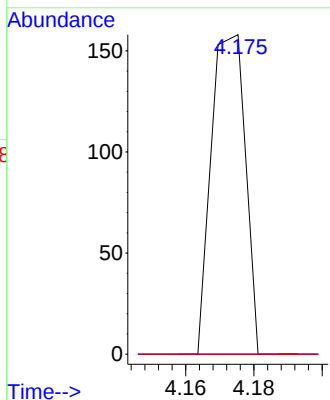
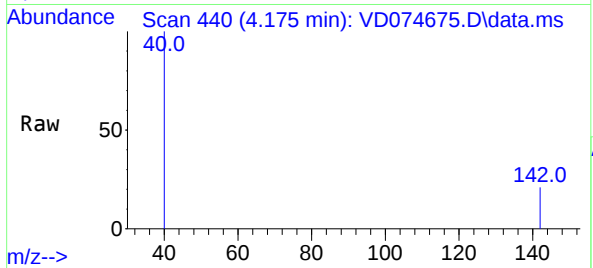




#10
Methyl Iodide
Concen: 5.882 ug/l
RT: 4.175 min Scan# 44
Delta R.T. 0.017 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

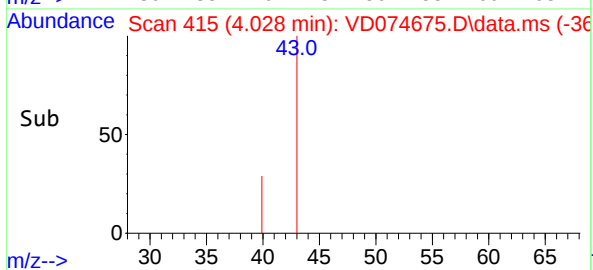
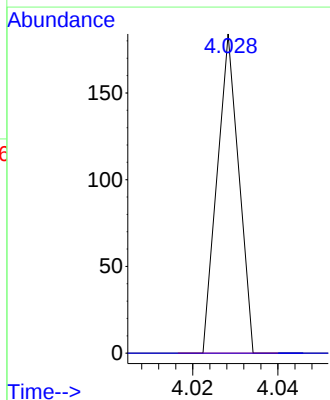
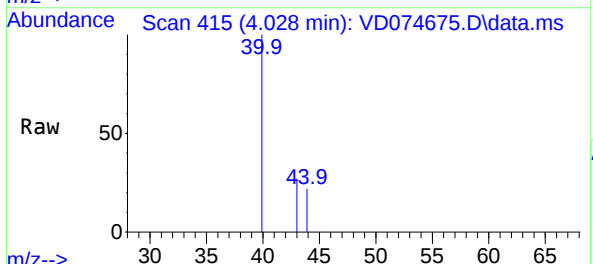
Instrument :
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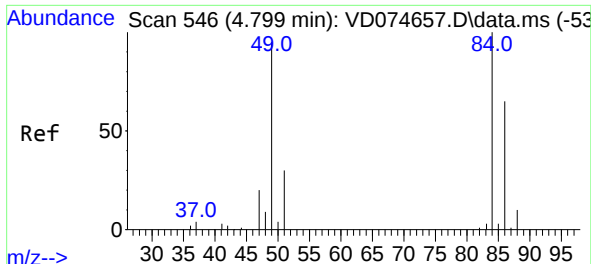
Tgt Ion:142 Resp: 110
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. 0.011 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



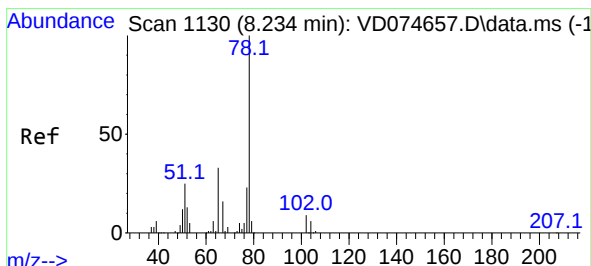
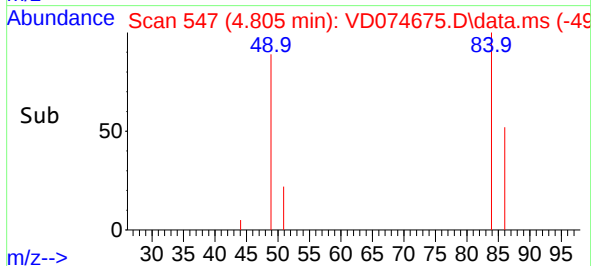
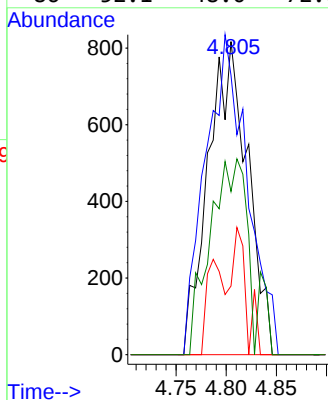
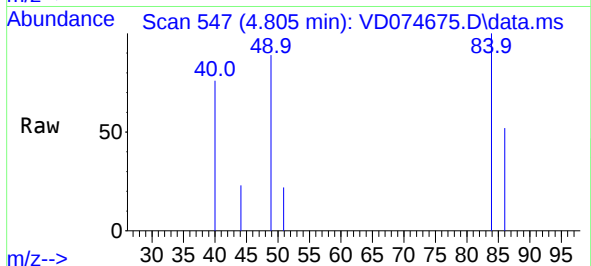


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-3-SE-QUARTER

Tgt Ion: 84 Resp: 2238

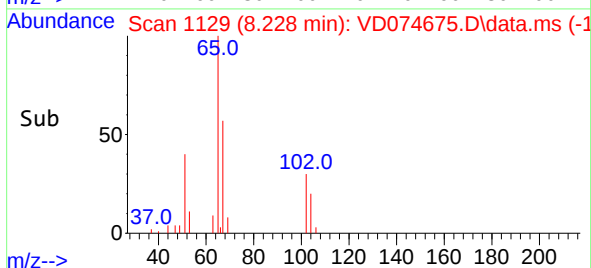
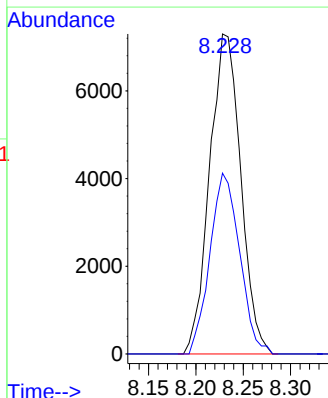
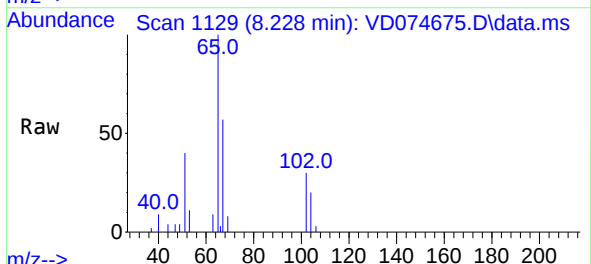
Ion	Ratio	Lower	Upper
84	100		
49	89.2	68.0	102.0
51	21.9	23.2	34.8
86	52.1	48.0	72.0

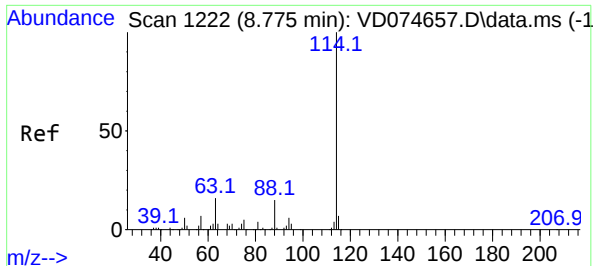


#33
1,2-Dichloroethane-d4
Concen: 118.084 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

Tgt Ion: 65 Resp: 16678

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1114

Delta R.T. 0.000 min

Lab File: VD074675.D

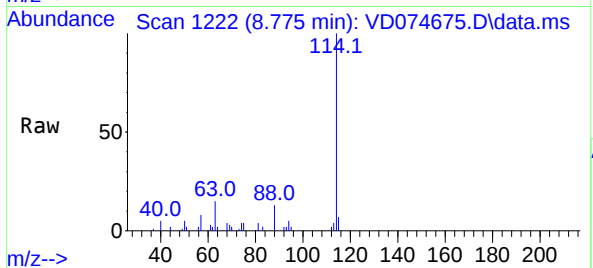
Acq: 28 Oct 2022 16:52

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-3-SE-QUARTER



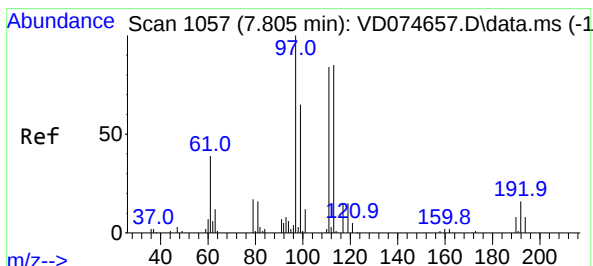
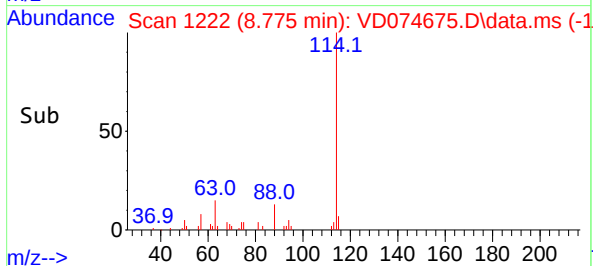
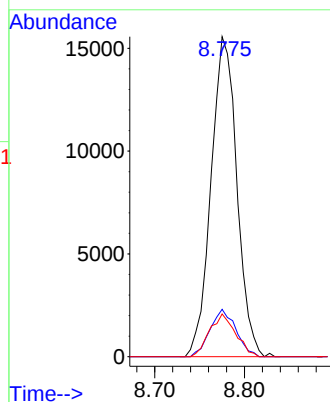
Tgt Ion:114 Resp: 31132

Ion Ratio Lower Upper

114 100

63 14.8 0.0 33.2

88 13.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 79.017 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074675.D

Acq: 28 Oct 2022 16:52

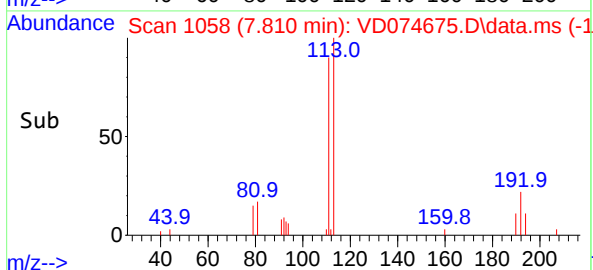
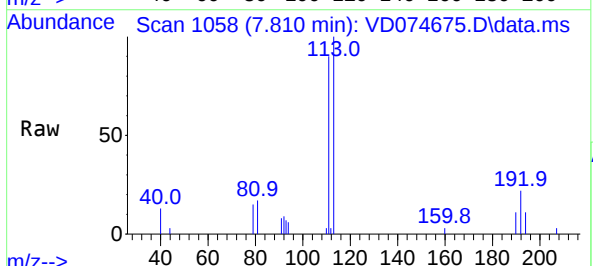
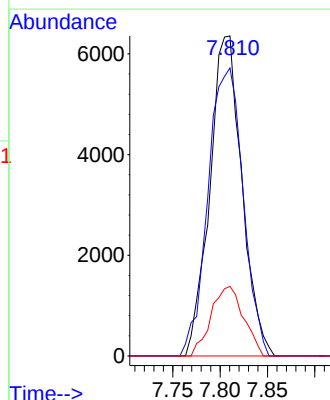
Tgt Ion:113 Resp: 15021

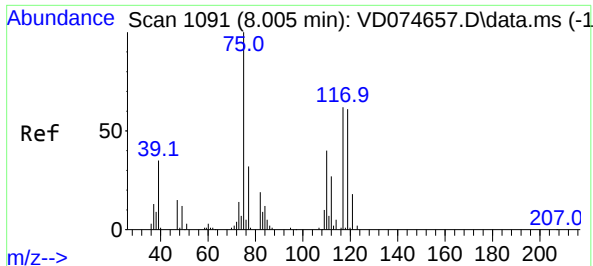
Ion Ratio Lower Upper

113 100

111 98.1 82.3 123.5

192 22.0 16.4 24.6





#36

1,1-Dichloropropene

Concen: 3.762 ug/l

RT: 7.881 min Scan# 1019

Delta R.T. -0.124 min

Lab File: VD074675.D

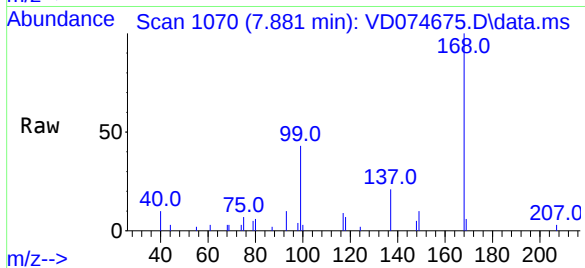
Acq: 28 Oct 2022 16:52

Instrument :

MSVOA_D

ClientSampleId :

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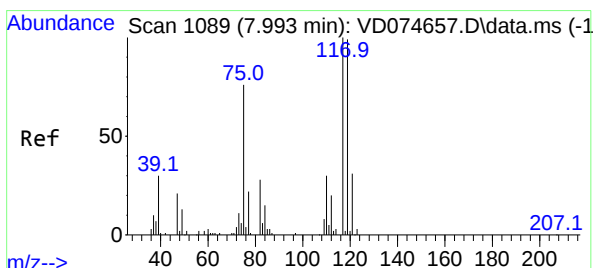
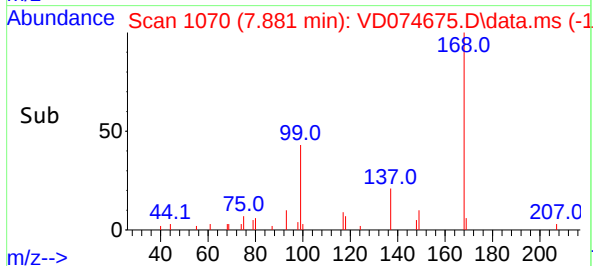
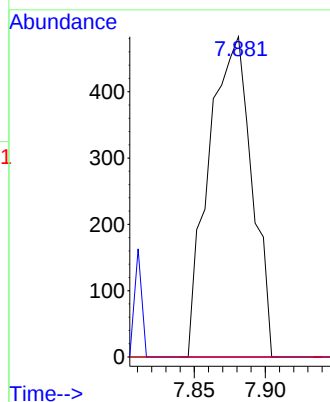
Tgt Ion: 75 Resp: 1019

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.586 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD074675.D

Acq: 28 Oct 2022 16:52

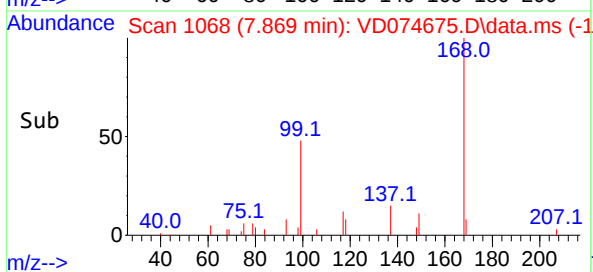
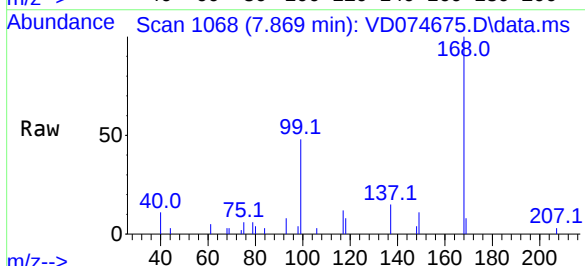
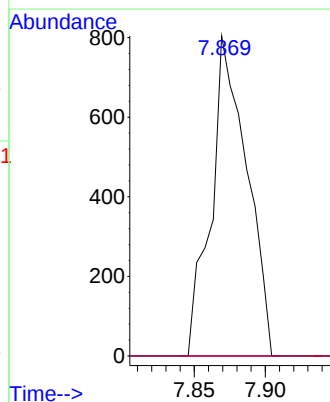
Tgt Ion: 117 Resp: 1406

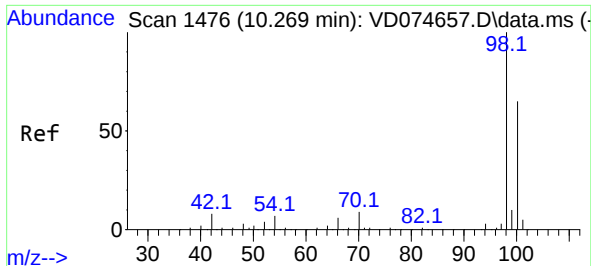
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

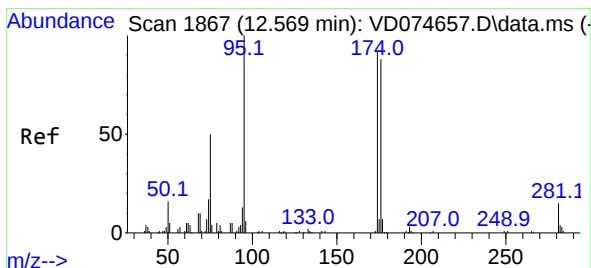
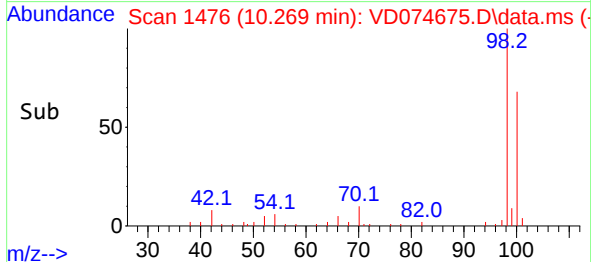
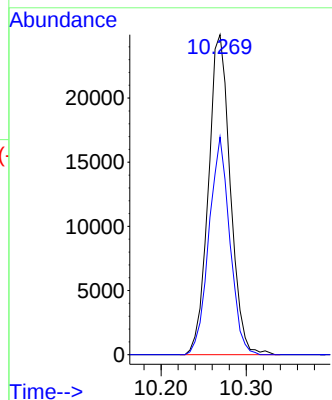
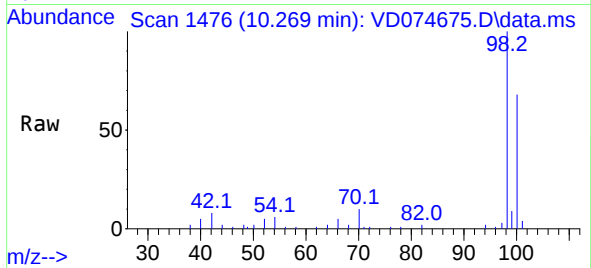




#50
Toluene-d8
Concen: 60.881 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

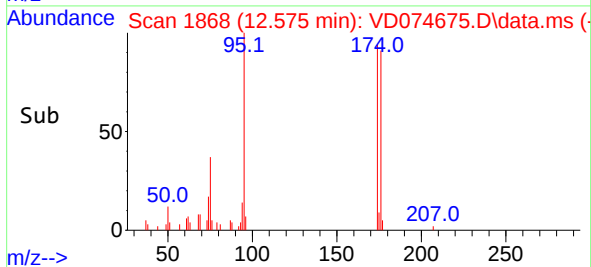
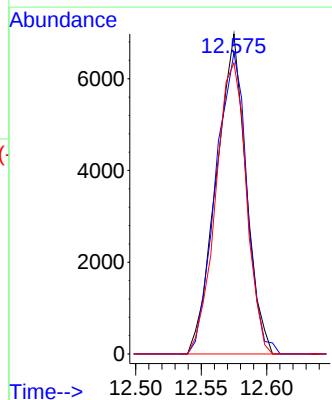
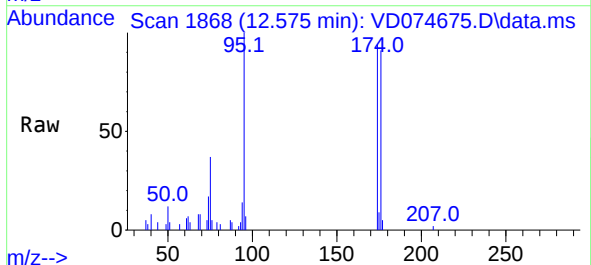
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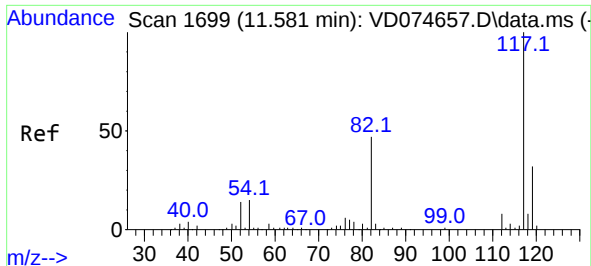
Tgt Ion: 98 Resp: 44508
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 54.852 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

Tgt Ion: 95 Resp: 11013
Ion Ratio Lower Upper
95 100
174 98.9 0.0 197.0
176 93.7 0.0 182.6

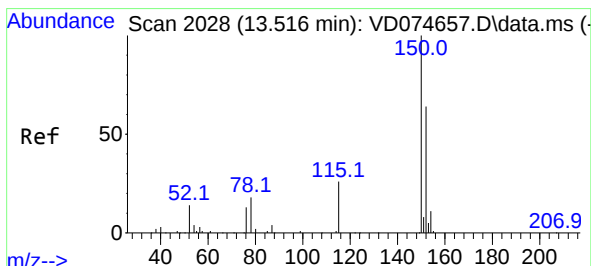
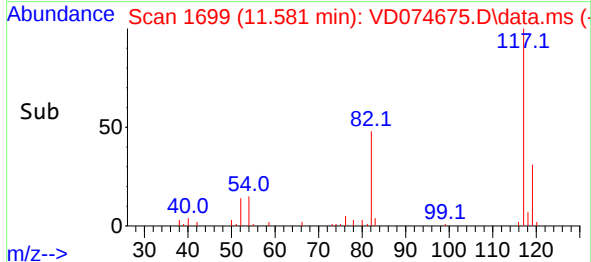
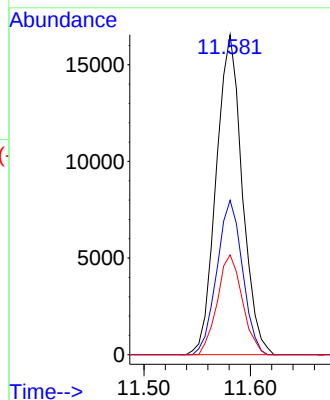
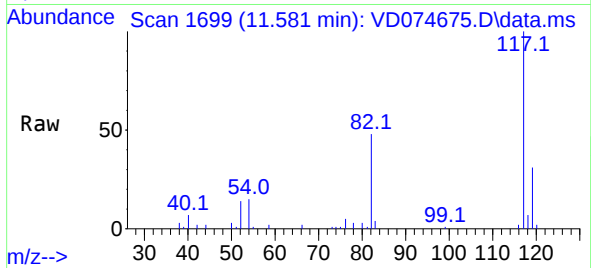




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

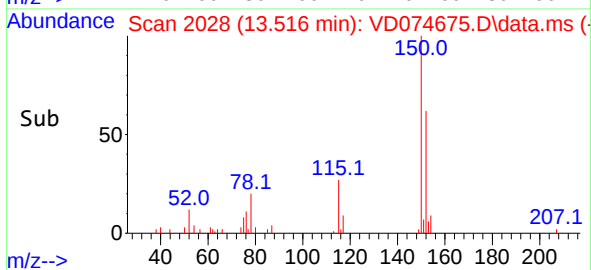
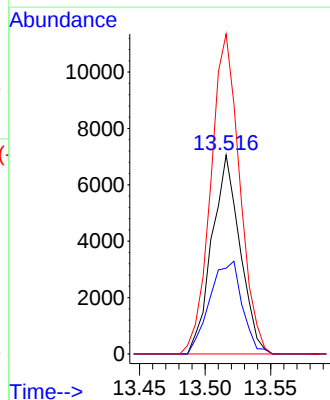
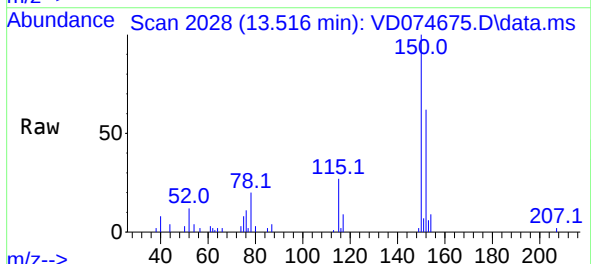
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-3-SE-QUARTER

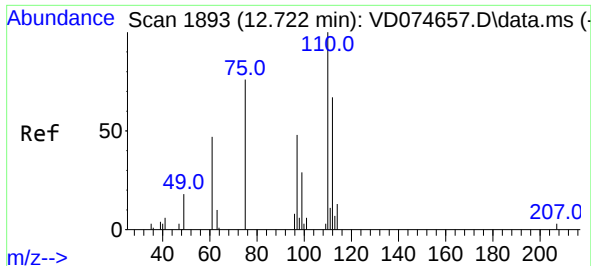
Tgt Ion:117	Resp:	28086
Ion	Ratio	Lower Upper
117	100	
82	48.2	41.6 62.4
119	31.2	25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

Tgt Ion:152	Resp:	10509
Ion	Ratio	Lower Upper
152	100	
115	53.8	26.8 80.4
150	165.5	0.0 348.2

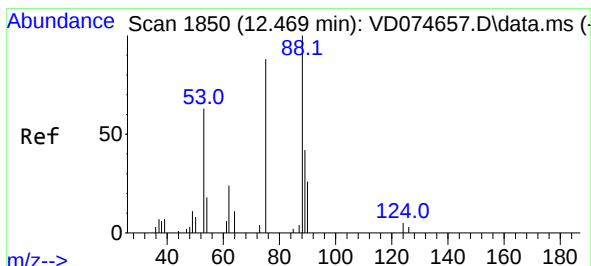
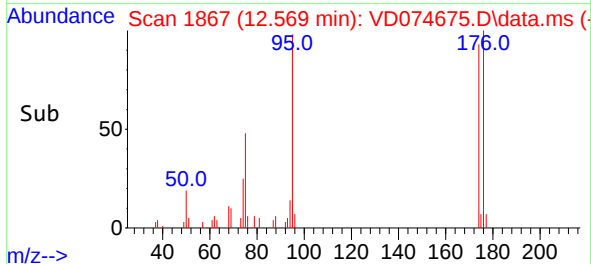
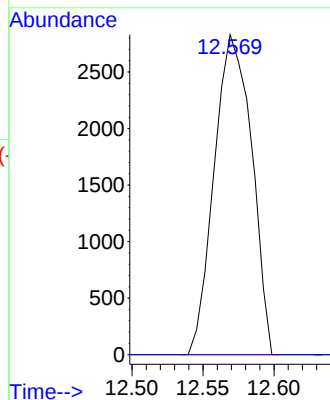
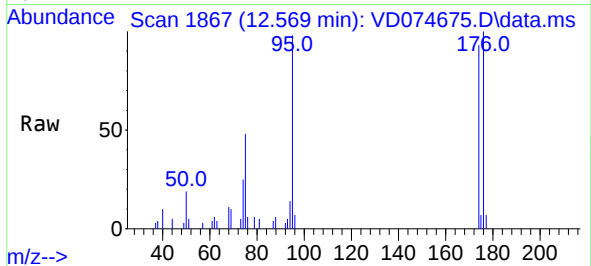




#76
1,2,3-Trichloropropane
Concen: 63.231 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-3-SE-QUARTER

Tgt Ion: 75 Resp: 5197
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 167.344 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074675.D
Acq: 28 Oct 2022 16:52

Tgt Ion: 75 Resp: 5197
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

