

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074672.D
 Acq On : 28 Oct 2022 15:30
 Operator : VA/SY
 Sample : N5313-13
 Misc : 10.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-1-NW-QUARTER

Quant Time: Oct 29 02:15:10 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)

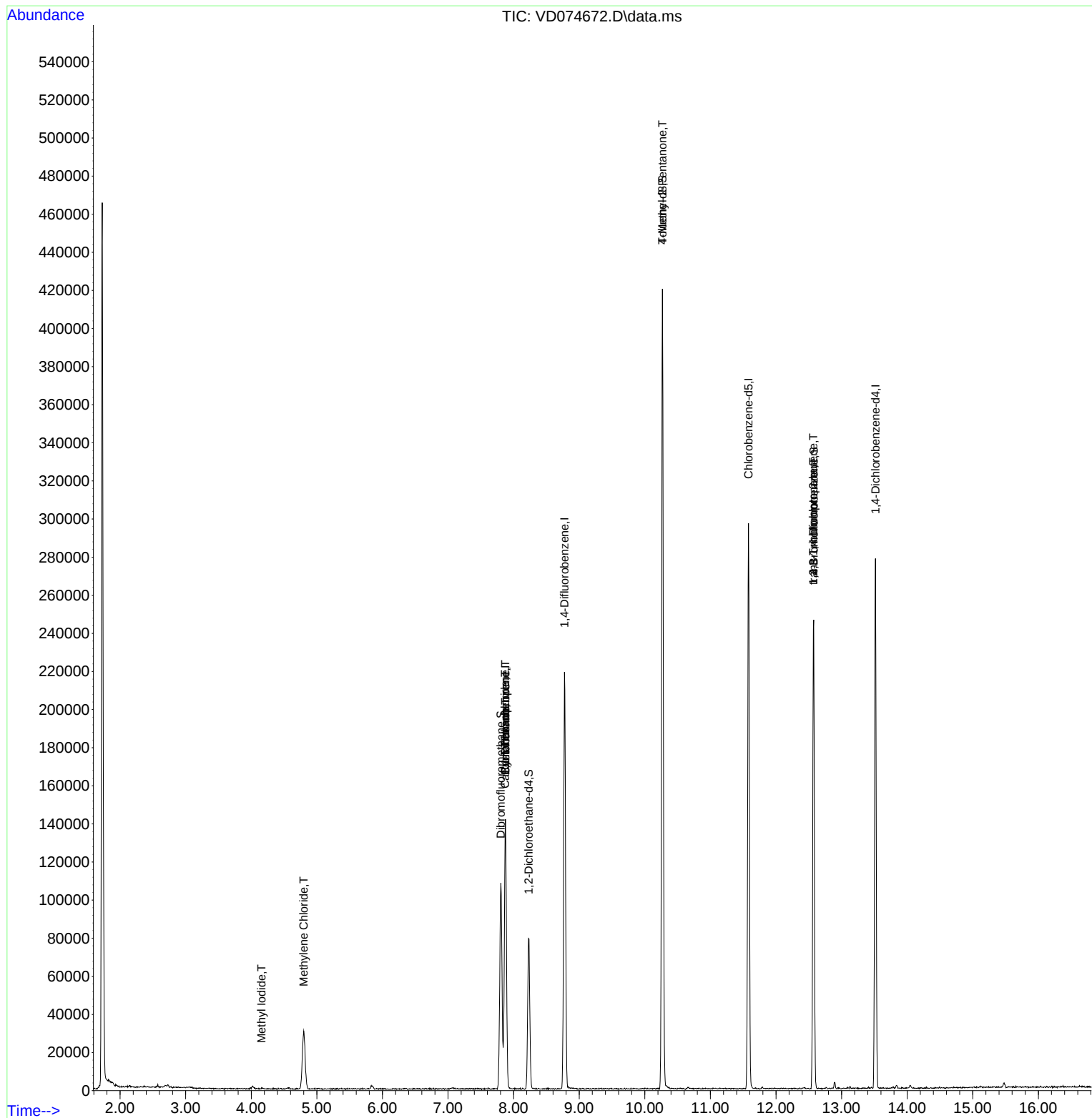
Internal Standards						
1) Pentafluorobenzene	7.875	168	116387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	212724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	188082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	79899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	61390	62.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.980%	
35) Dibromofluoromethane	7.805	113	79928	61.533	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.060%	
50) Toluene-d8	10.269	98	304322	60.921	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 121.840%	
62) 4-Bromofluorobenzene	12.575	95	80796	58.893	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	619	Below Cal	#	37
10) Methyl Iodide	4.158	142	224	5.583	ug/l #	43
16) Acetone	4.028	43	1990	Below Cal		91
18) Methyl Acetate	4.540	43	774	Below Cal	#	44
20) Methylene Chloride	4.799	84	25993	5.538	ug/l	93
25) 2-Butanone	7.087	43	60	Below Cal	#	42
31) Cyclohexane	7.875	56	1873	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	7812	4.221	ug/l #	48
38) Carbon Tetrachloride	7.869	117	10679	6.209	ug/l #	20
51) 4-Methyl-2-Pentanone	10.269	43	722	1.312	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	38715	61.955	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	38715	163.967	ug/l #	17

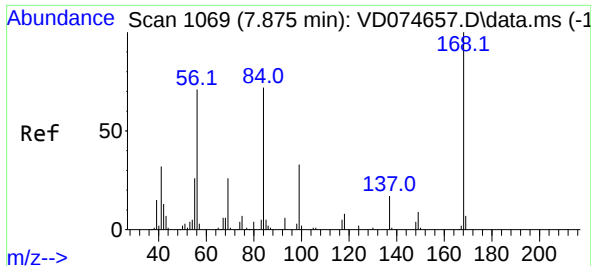
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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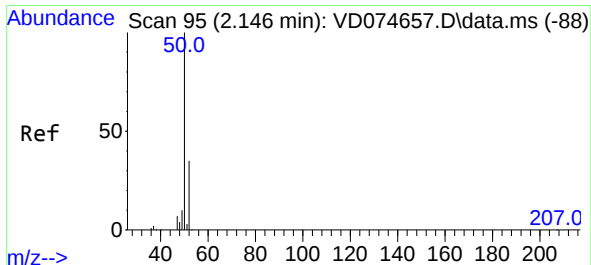
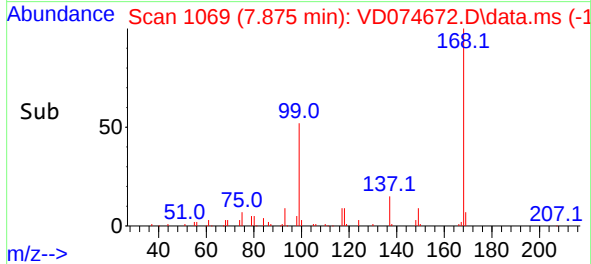
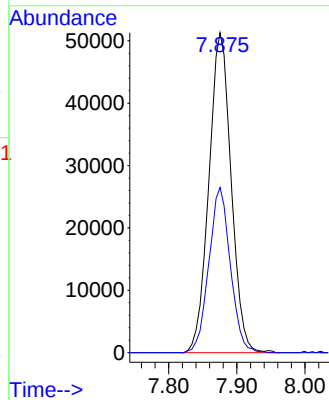
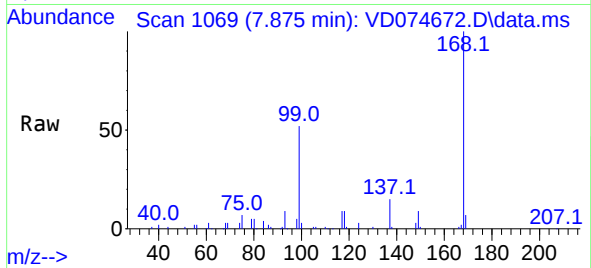




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

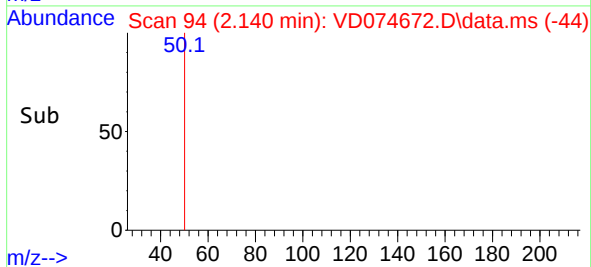
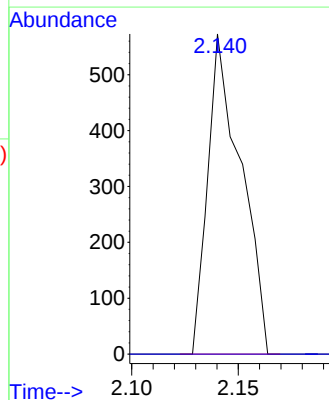
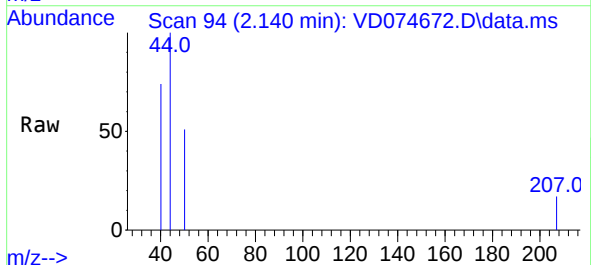
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-1-NW-QUARTER

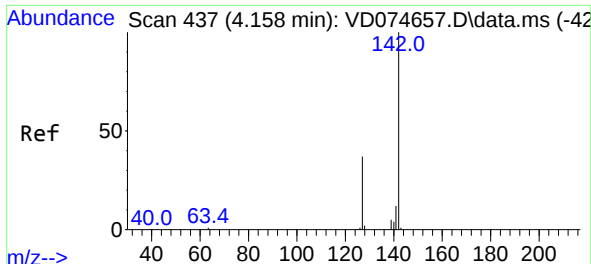
Tgt Ion:168 Resp: 116387
Ion Ratio Lower Upper
168 100
99 51.7 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

Tgt Ion: 50 Resp: 619
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

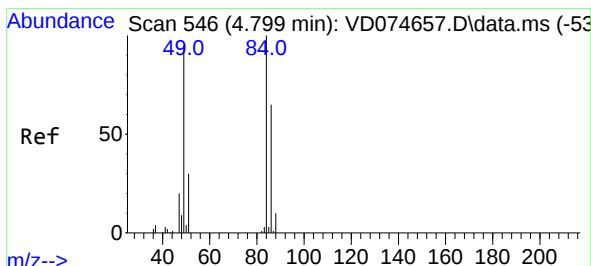
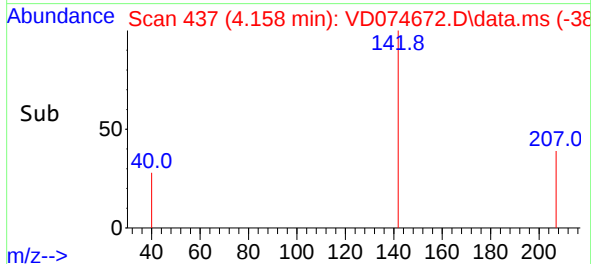
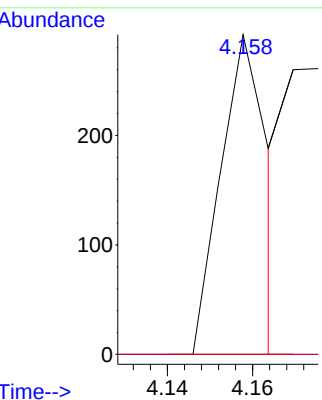
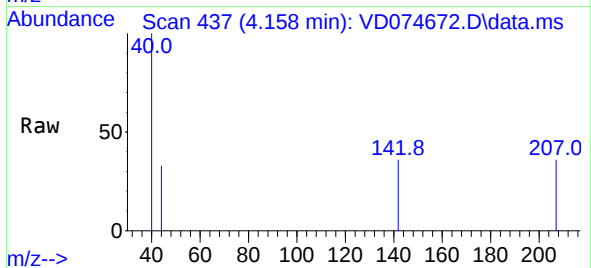




#10
Methyl Iodide
Concen: 5.583 ug/l
RT: 4.158 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

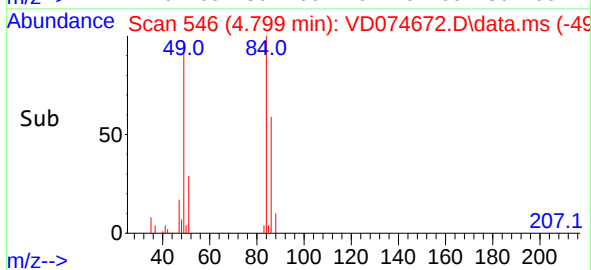
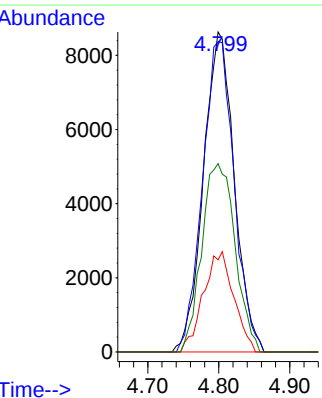
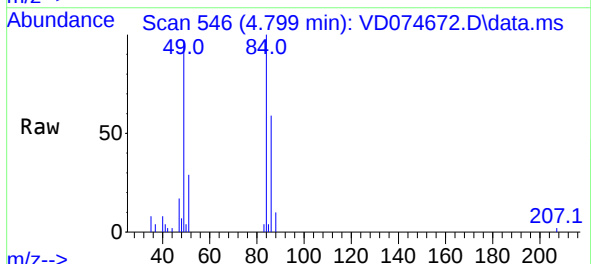
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-1-NW-QUARTER

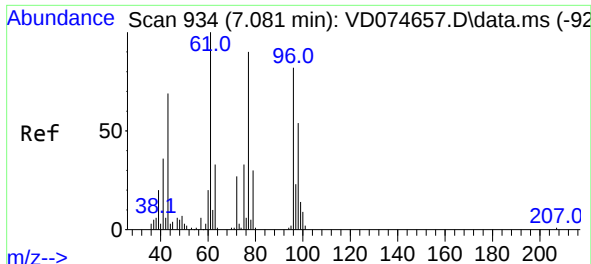
Tgt Ion:	142	Resp:	224
Ion	Ratio	Lower	Upper
142	100		
127	0.0	31.9	47.9#
141	0.0	11.4	17.2#



#20
Methylene Chloride
Concen: 5.538 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

Tgt Ion:	84	Resp:	25993
Ion	Ratio	Lower	Upper
84	100		
49	97.0	68.0	102.0
51	28.8	23.2	34.8
86	58.9	48.0	72.0





#25

2-Butanone

Concen: Below Cal

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD074672.D

Acq: 28 Oct 2022 15:30

Instrument :

MSVOA_D

ClientSampleId :

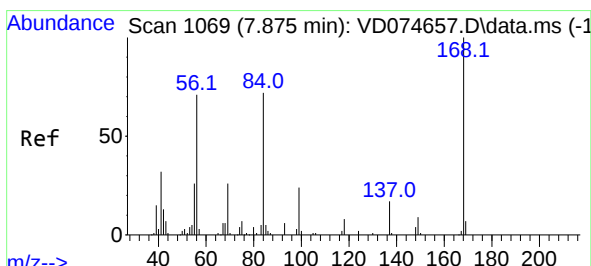
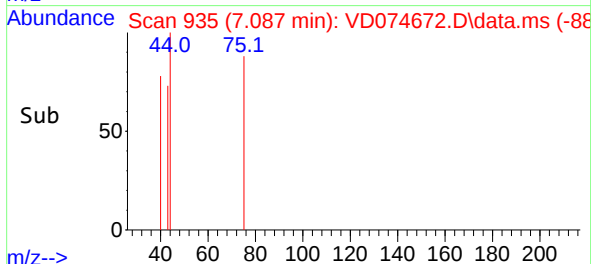
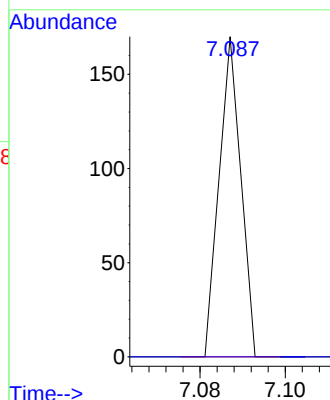
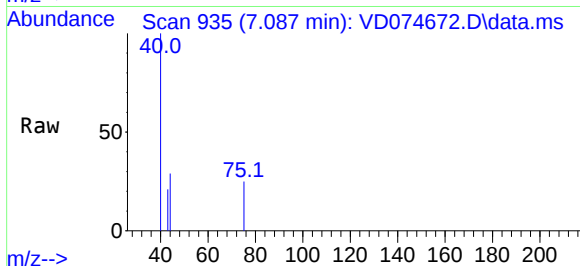
TOTAL-VOC-GRAB-1-NW-QUARTER

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#31

Cyclohexane

Concen: 1.040 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074672.D

Acq: 28 Oct 2022 15:30

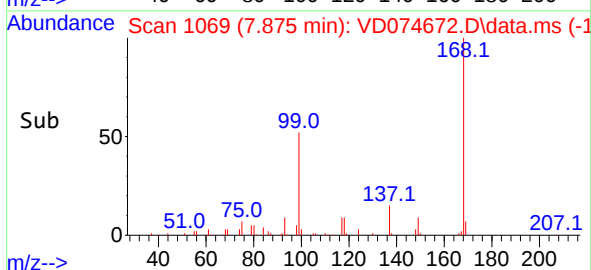
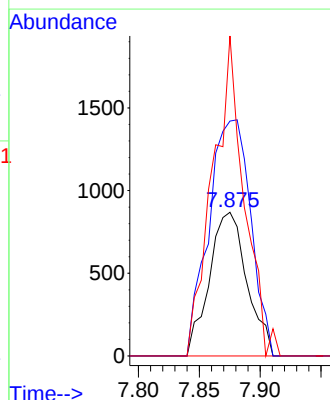
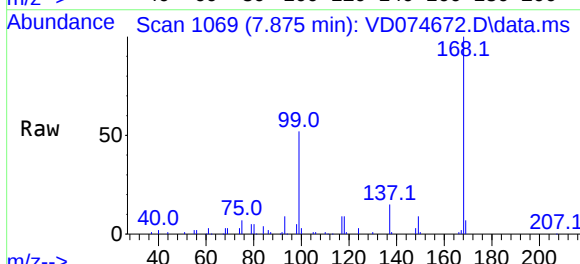
Tgt Ion: 56 Resp: 1873

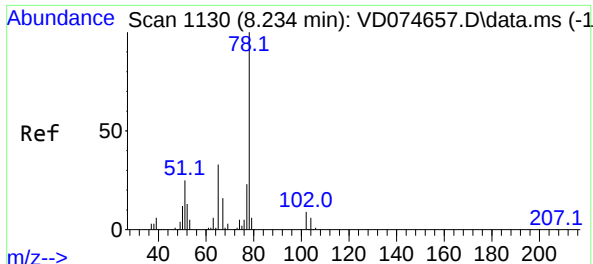
Ion Ratio Lower Upper

56 100

69 163.4 29.2 43.8#

84 222.7 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 62.494 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074672.D

Acq: 28 Oct 2022 15:30

Instrument :

MSVOA_D

ClientSampleId :

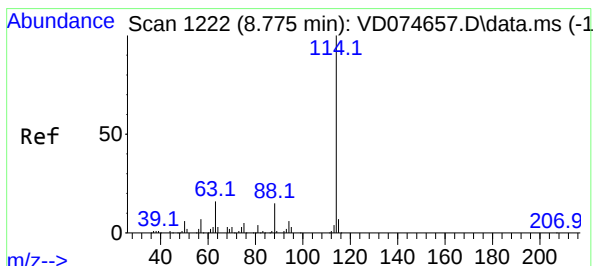
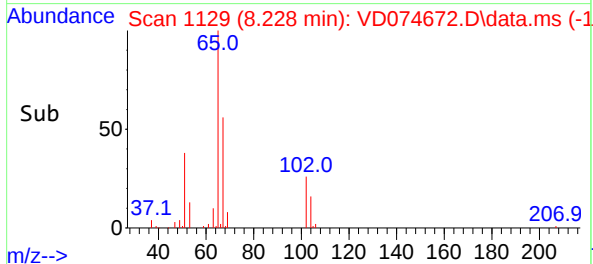
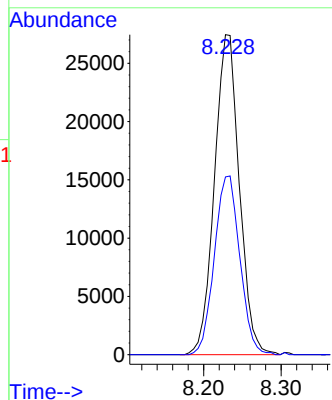
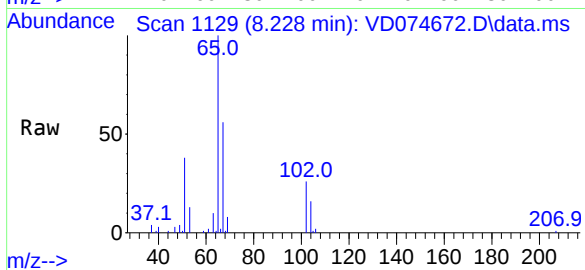
TOTAL-VOC-GRAB-1-NW-QUARTER

Tgt Ion: 65 Resp: 61390

Ion Ratio Lower Upper

65 100

67 57.0 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074672.D

Acq: 28 Oct 2022 15:30

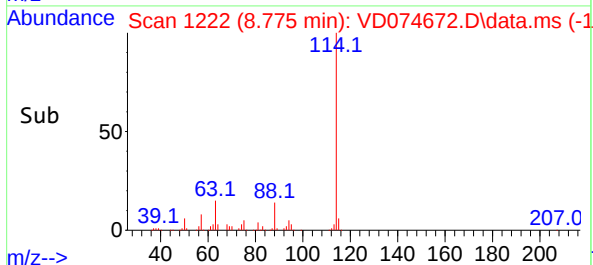
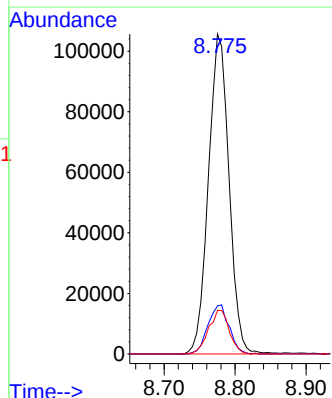
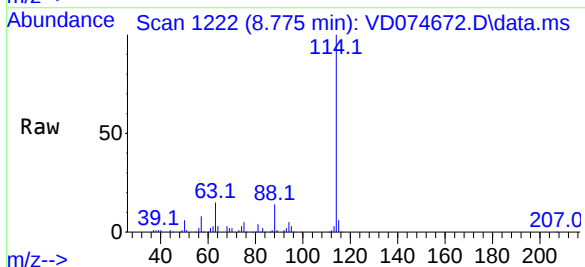
Tgt Ion: 114 Resp: 212724

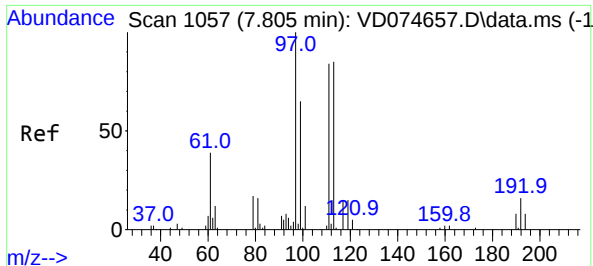
Ion Ratio Lower Upper

114 100

63 15.0 0.0 33.2

88 13.6 0.0 28.2

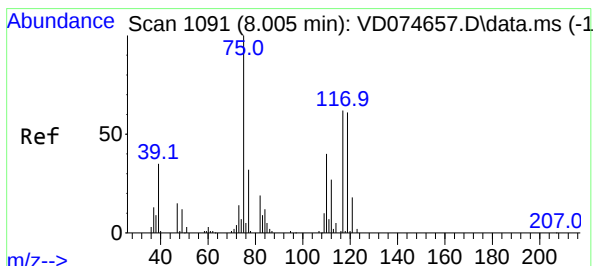
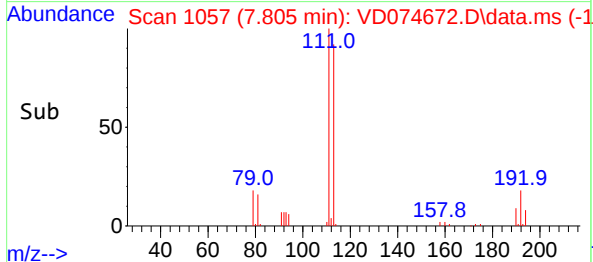
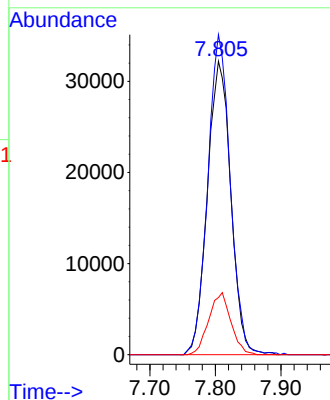
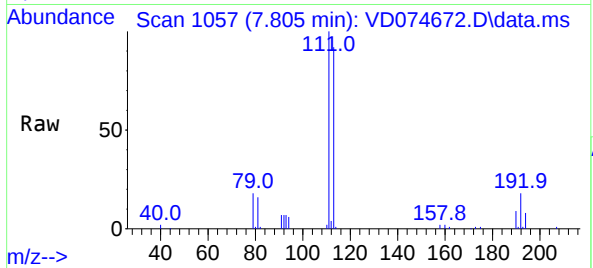




#35
Dibromofluoromethane
Concen: 61.533 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

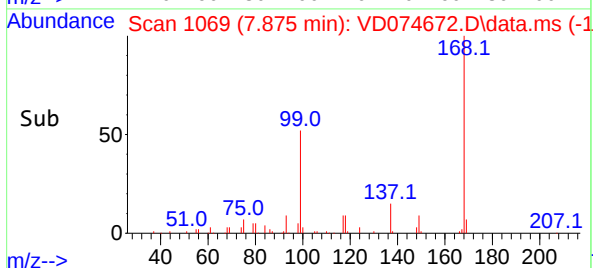
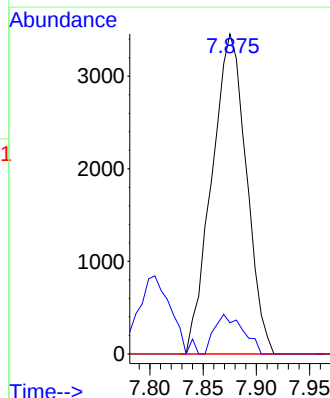
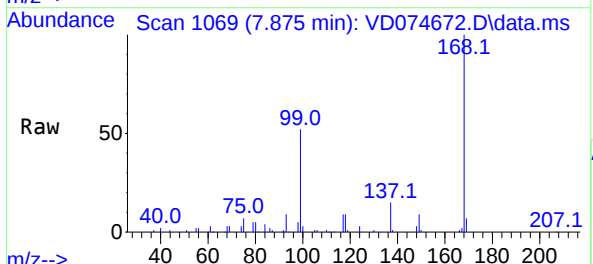
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-GRAB-1-NW-QUARTER

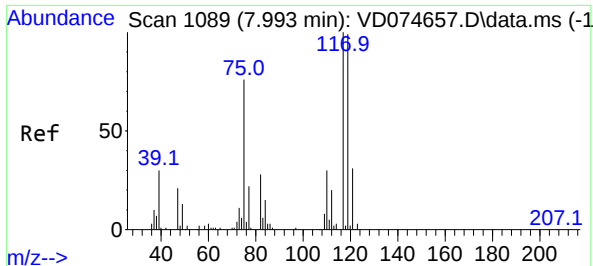
Tgt Ion:	113	Resp:	79928
Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.3	123.5
192	20.0	16.4	24.6



#36
1,1-Dichloropropene
Concen: 4.221 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

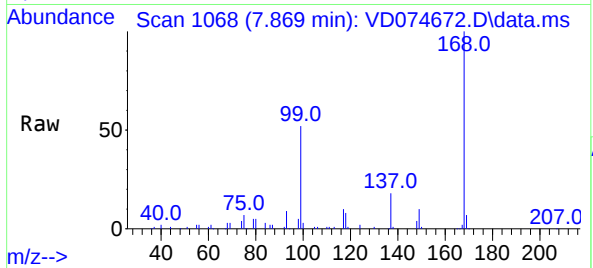
Tgt Ion:	75	Resp:	7812
Ion	Ratio	Lower	Upper
75	100		
110	10.3	19.7	59.0#
77	0.0	25.4	38.2#



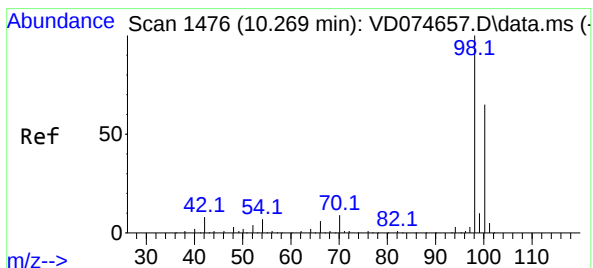
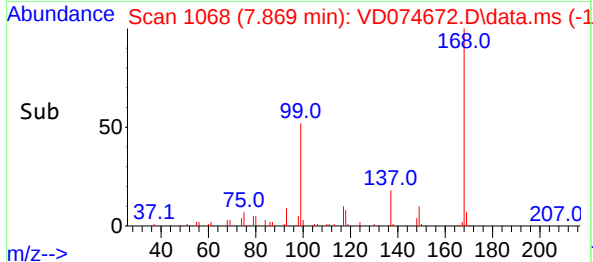
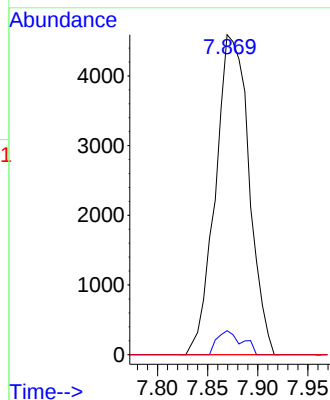


#38
Carbon Tetrachloride
Concen: 6.209 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-GRAB-1-NW-QUARTER

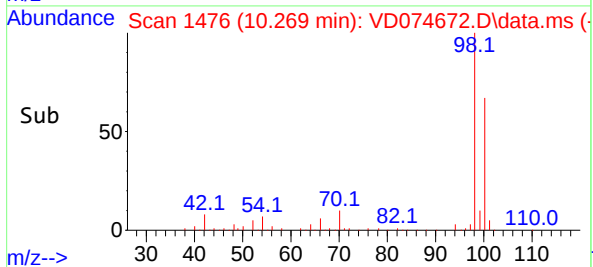
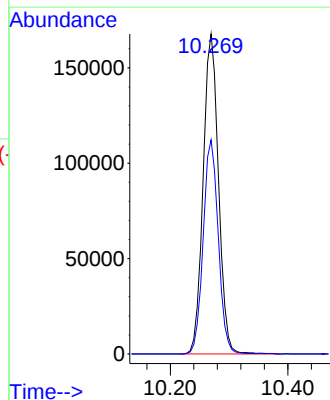
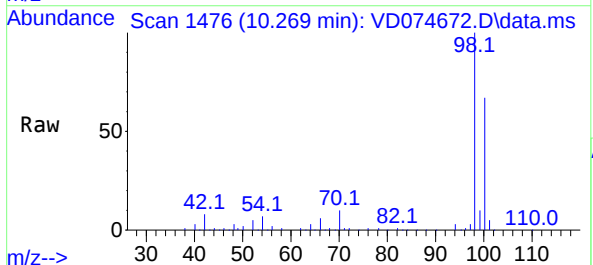


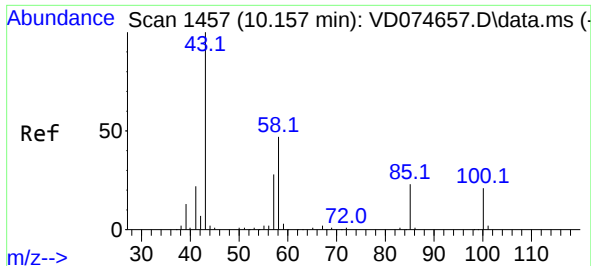
Tgt Ion:117 Resp: 10679
Ion Ratio Lower Upper
117 100
119 7.5 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 60.921 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

Tgt Ion: 98 Resp: 304322
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.0

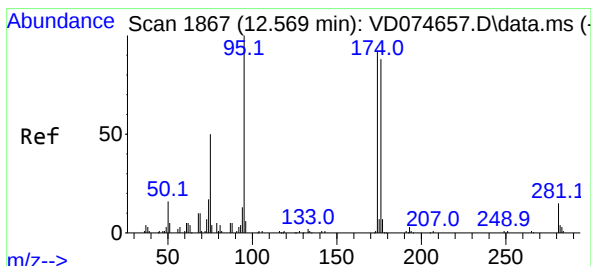
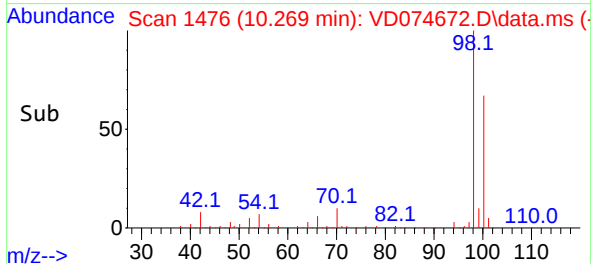
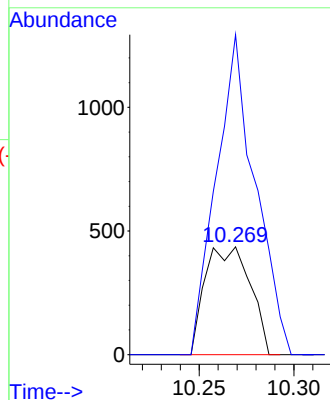
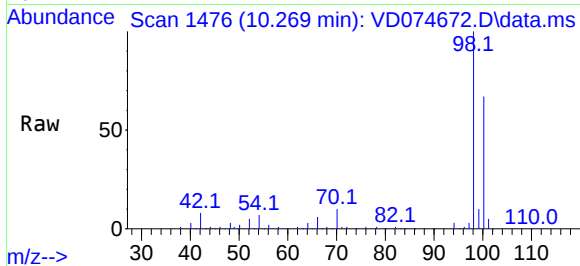




#51
4-Methyl-2-Pentanone
Concen: 1.312 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

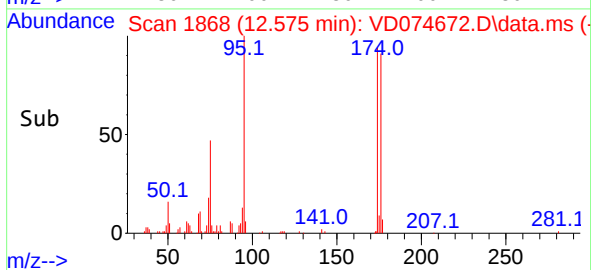
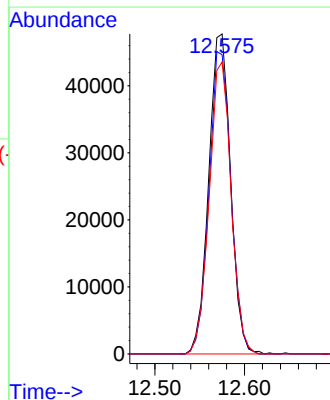
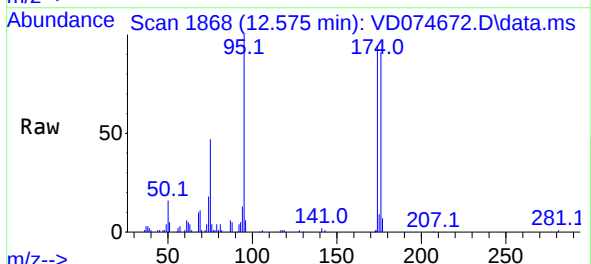
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-GRAB-1-NW-QUARTER

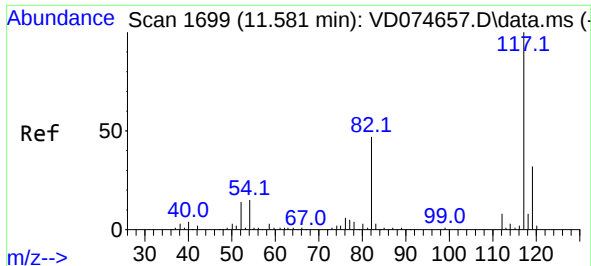
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 257.5 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 58.893 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

Tgt Ion: 95 Resp: 80796
Ion Ratio Lower Upper
95 100
174 94.7 0.0 197.0
176 91.3 0.0 182.6

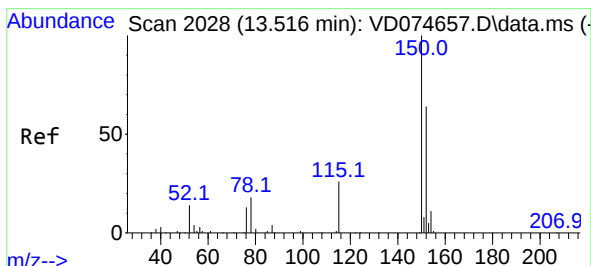
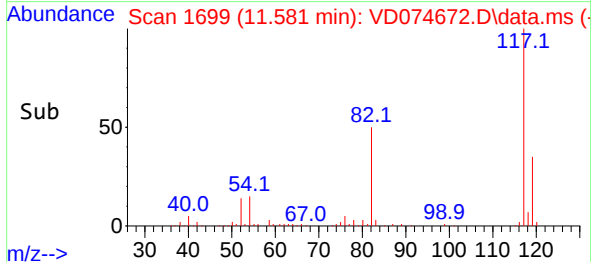
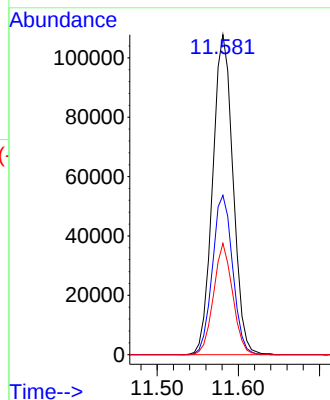
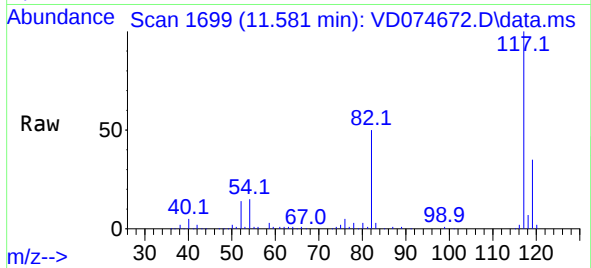




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

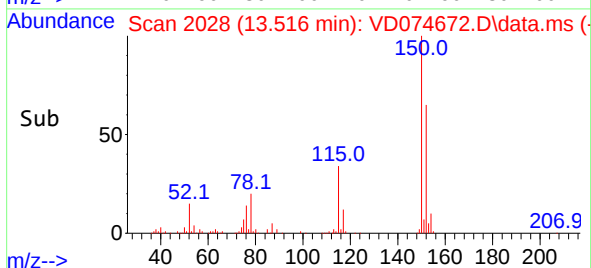
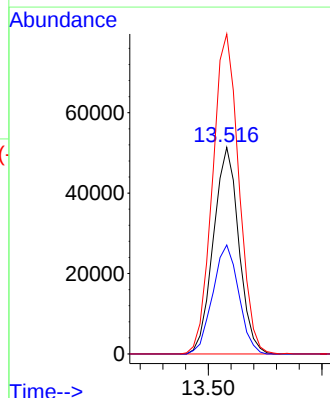
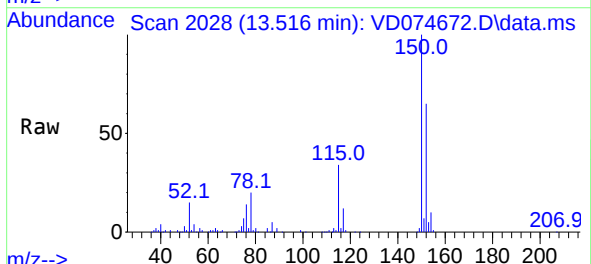
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-1-NW-QUARTER

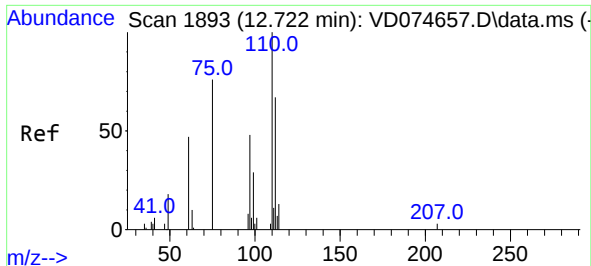
Tgt Ion:117 Resp: 188082
Ion Ratio Lower Upper
117 100
82 49.8 41.6 62.4
119 34.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

Tgt Ion:152 Resp: 79899
Ion Ratio Lower Upper
152 100
115 53.9 26.8 80.4
150 160.2 0.0 348.2

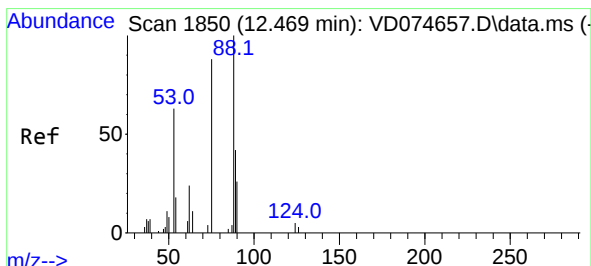
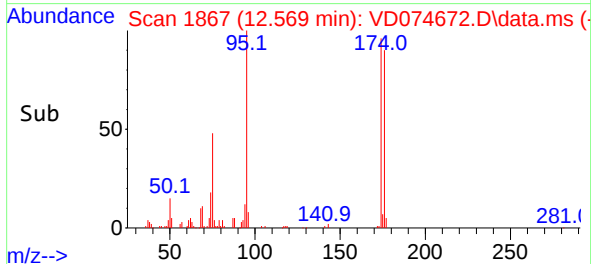
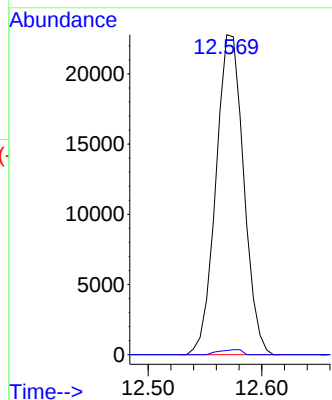
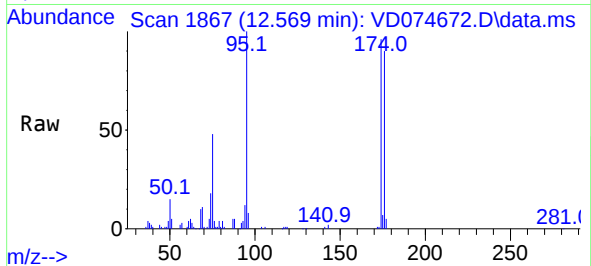




#76
1,2,3-Trichloropropane
Concen: 61.955 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-1-NW-QUARTER

Tgt Ion: 75 Resp: 38715
Ion Ratio Lower Upper
75 100
77 1.3 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 163.967 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074672.D
Acq: 28 Oct 2022 15:30

Tgt Ion: 75 Resp: 38715
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

