

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111422\
 Data File : VD074939.D
 Acq On : 14 Nov 2022 17:18
 Operator : VA/SY
 Sample : N5509-07
 Misc : 4.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-12

Quant Time: Nov 15 00:17:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

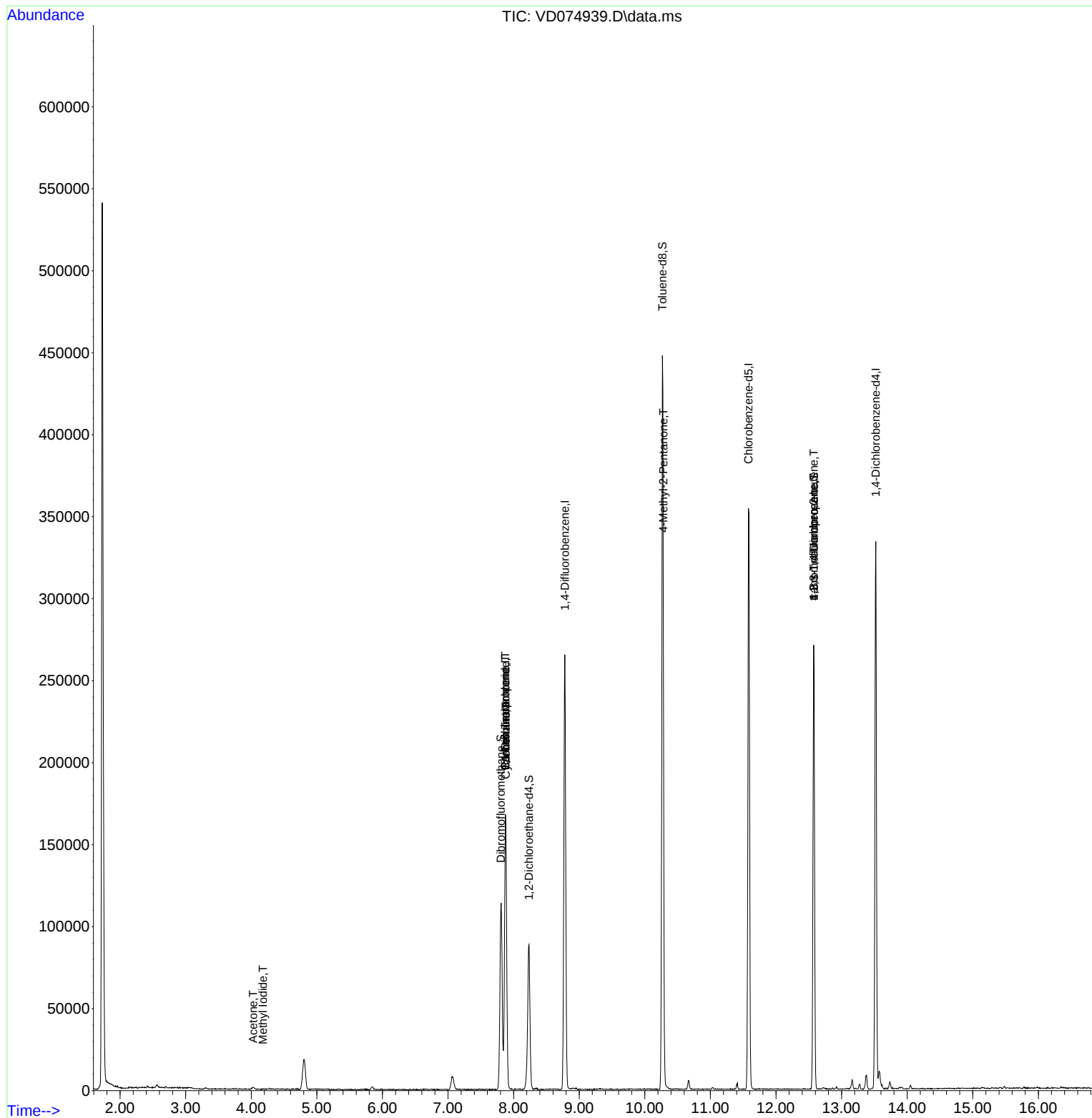
Internal Standards						
1) Pentafluorobenzene	7.875	168	136059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	252047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	229966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	95977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68327	79.016	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 158.040%	
35) Dibromofluoromethane	7.805	113	85134	54.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.580%	
50) Toluene-d8	10.269	98	319268	62.382	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 124.760%	
62) 4-Bromofluorobenzene	12.575	95	83597	53.194	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.380%	
Target Compounds						
2) Dichlorodifluoromethane	1.934	85	127	Below Cal	#	40
3) Chloromethane	2.146	50	255	Below Cal	#	37
5) Bromomethane	2.705	94	402	Below Cal	#	47
10) Methyl Iodide	4.175	142	125	4.837	ug/l #	43
16) Acetone	4.028	43	1645	7.324	ug/l	97
20) Methylene Chloride	4.805	84	16382	Below Cal		94
31) Cyclohexane	7.881	56	2414	1.217	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	9437	4.133	ug/l #	47
38) Carbon Tetrachloride	7.875	117	13318	6.196	ug/l #	17
51) 4-Methyl-2-Pentanone	10.281	43	901	1.400	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	41300	51.448	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	41300	126.563	ug/l #	17

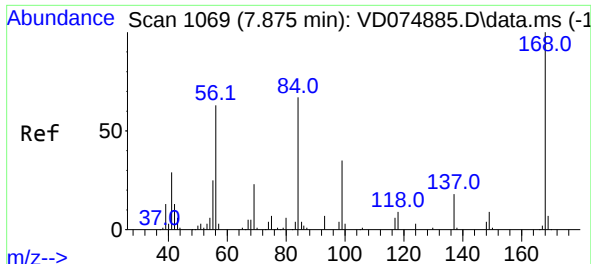
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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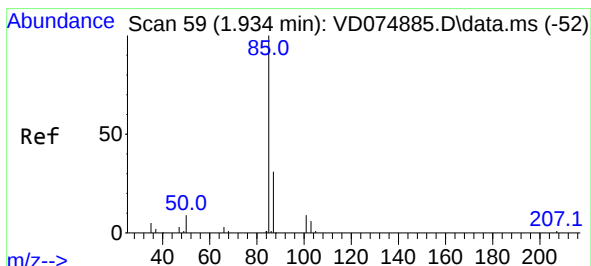
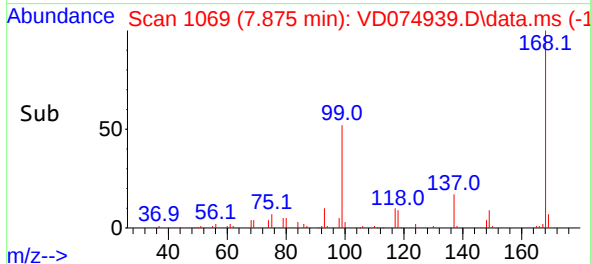
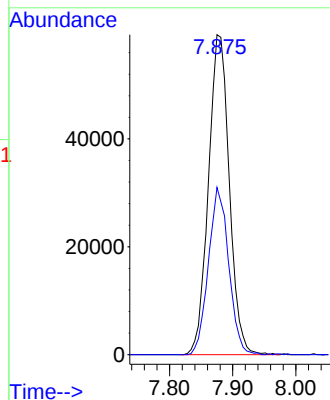
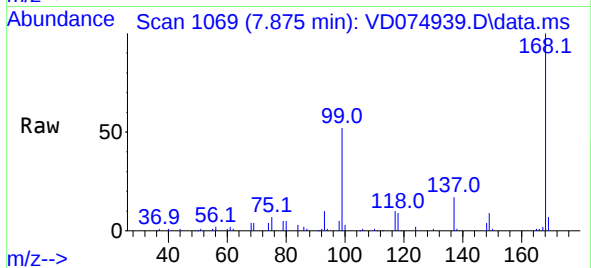




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

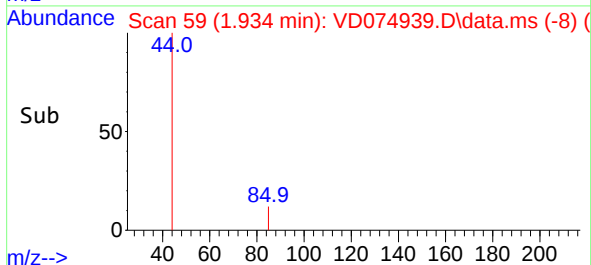
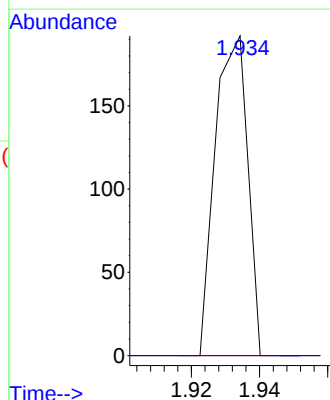
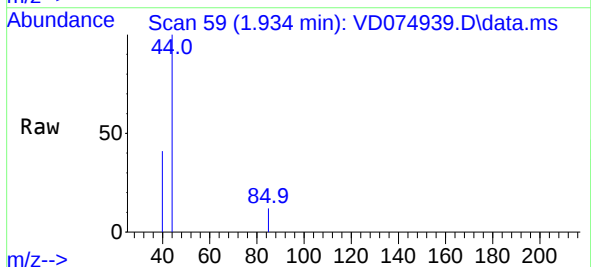
Instrument :
MSVOA_D
ClientSampleId :
TP-12

Tgt Ion:168 Resp: 136059
Ion Ratio Lower Upper
168 100
99 52.2 40.9 61.3

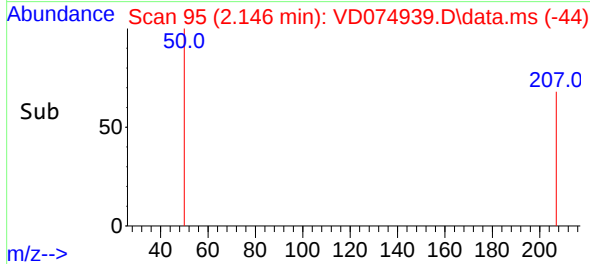
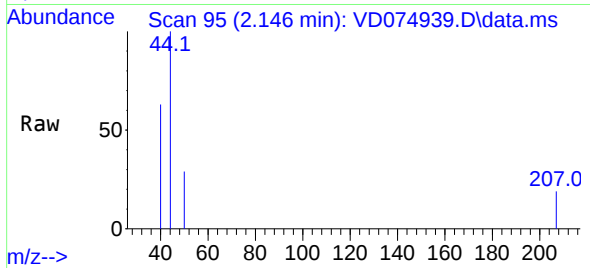
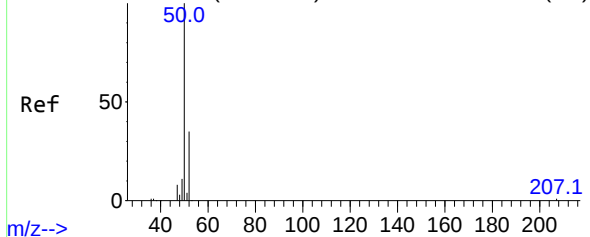


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

Tgt Ion: 85 Resp: 127
Ion Ratio Lower Upper
85 100
87 0.0 17.5 52.6#



Abundance Scan 95 (2.146 min): VD074885.D\data.ms (-89)



#3

Chloromethane

Concen: Below Cal

RT: 2.146 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD074939.D

Acq: 14 Nov 2022 17:18

Instrument :

MSVOA_D

ClientSampleId :

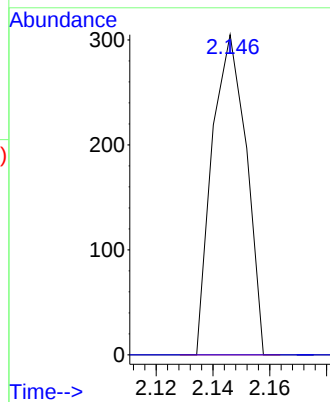
TP-12

Tgt Ion: 50 Resp: 255

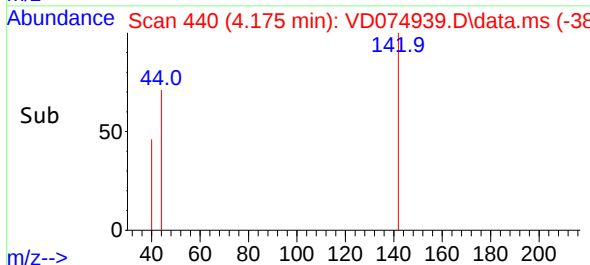
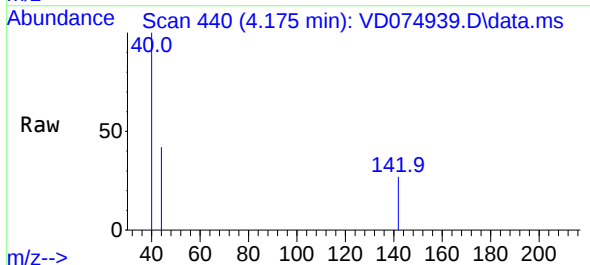
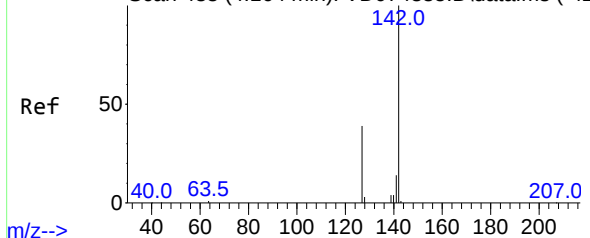
Ion Ratio Lower Upper

50 100

52 0.0 30.0 45.0#



Abundance Scan 438 (4.164 min): VD074885.D\data.ms (-42)



#10

Methyl Iodide

Concen: 4.837 ug/l

RT: 4.175 min Scan# 440

Delta R.T. 0.011 min

Lab File: VD074939.D

Acq: 14 Nov 2022 17:18

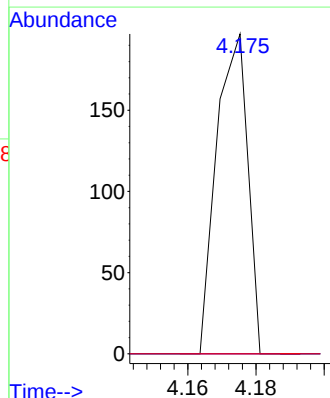
Tgt Ion: 142 Resp: 125

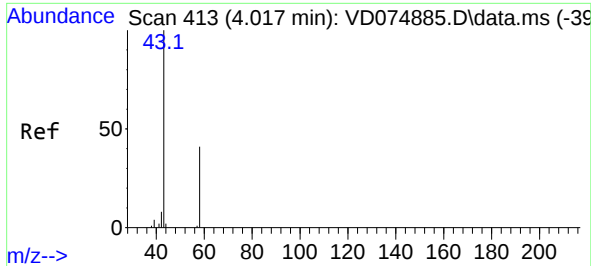
Ion Ratio Lower Upper

142 100

127 0.0 31.9 47.9#

141 0.0 11.4 17.2#





#16

Acetone

Concen: 7.324 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.011 min

Lab File: VD074939.D

Acq: 14 Nov 2022 17:18

Instrument :

MSVOA_D

ClientSampleId :

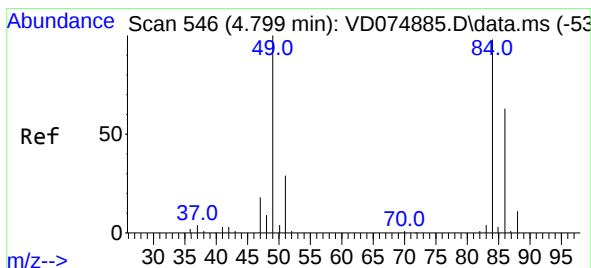
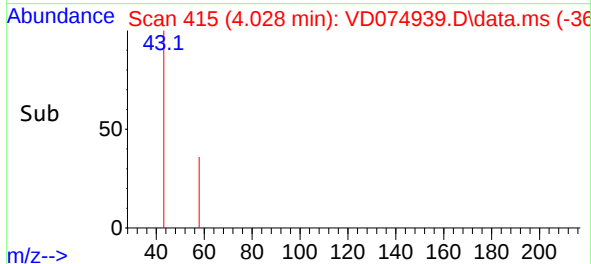
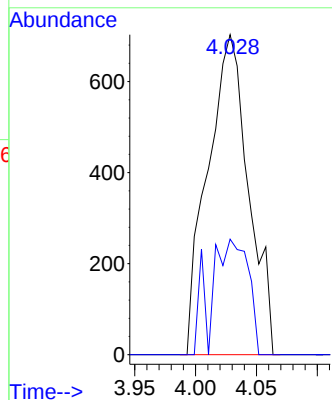
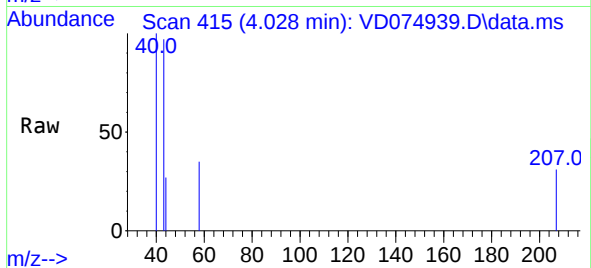
TP-12

Tgt Ion: 43 Resp: 1645

Ion Ratio Lower Upper

43 100

58 36.1 30.2 45.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD074939.D

Acq: 14 Nov 2022 17:18

Tgt Ion: 84 Resp: 16382

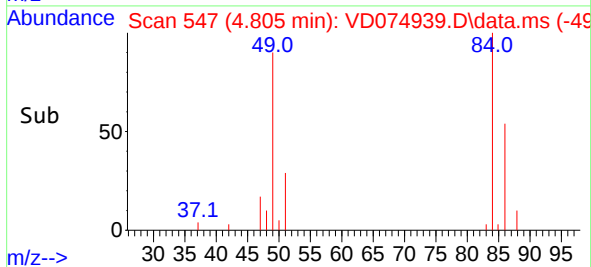
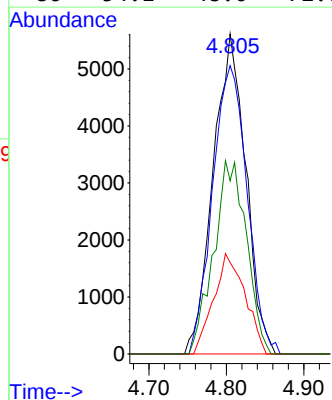
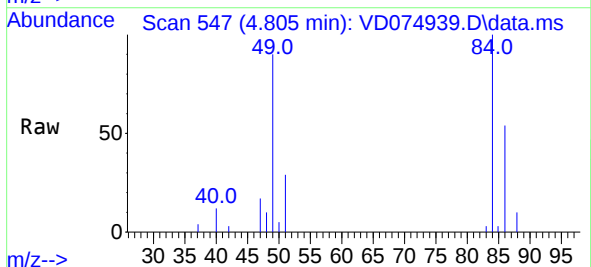
Ion Ratio Lower Upper

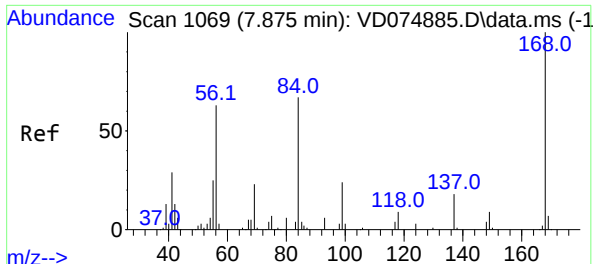
84 100

49 90.1 68.0 102.0

51 28.5 23.2 34.8

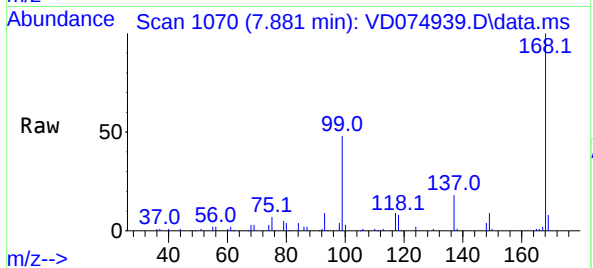
86 54.1 48.0 72.0





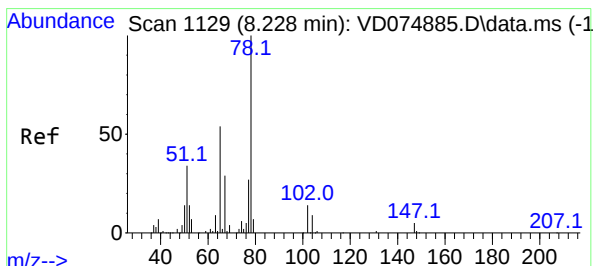
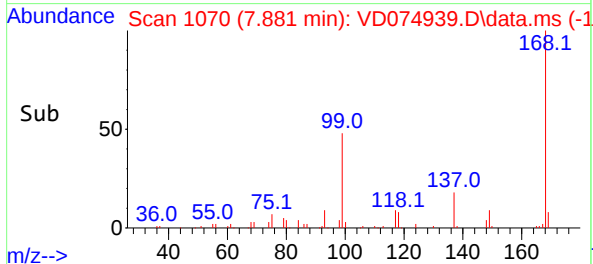
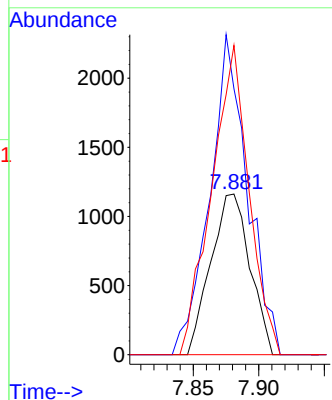
#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

Instrument :
MSVOA_D
ClientSampleId :
TP-12



Tgt Ion: 56 Resp: 2414

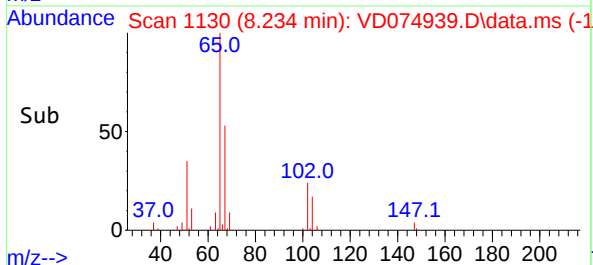
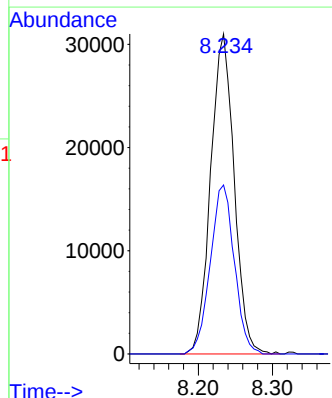
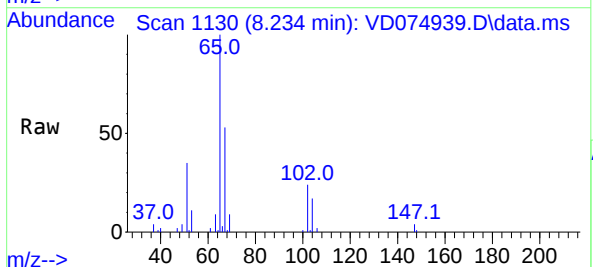
Ion	Ratio	Lower	Upper
56	100		
69	165.6	29.2	43.8#
84	192.6	83.4	125.2#

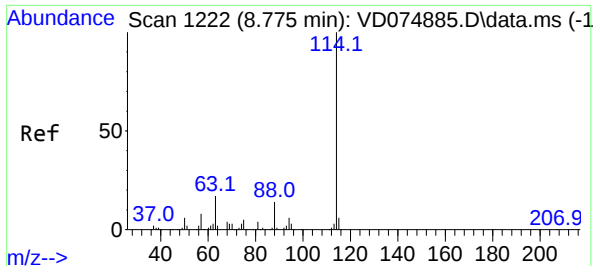


#33
1,2-Dichloroethane-d4
Concen: 79.016 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

Tgt Ion: 65 Resp: 68327

Ion	Ratio	Lower	Upper
65	100		
67	54.0	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: VD074939.D

Acq: 14 Nov 2022 17:18

Instrument :

MSVOA_D

ClientSampleId :

TP-12

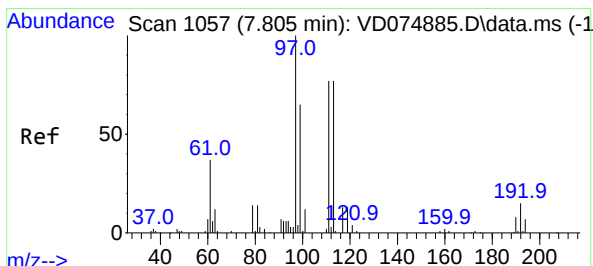
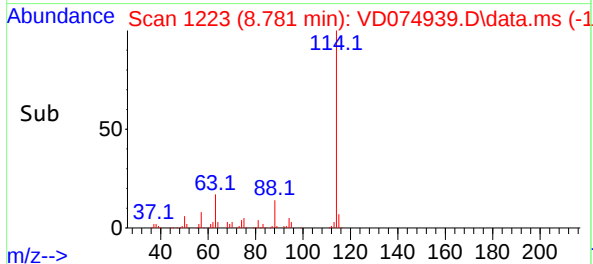
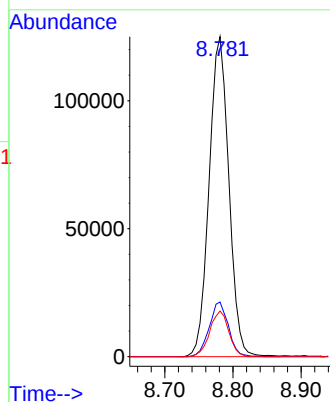
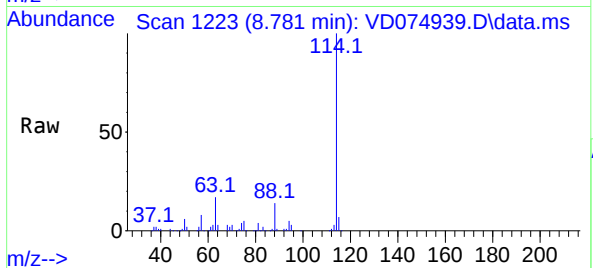
Tgt Ion:114 Resp: 252047

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.2

88 14.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 54.795 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074939.D

Acq: 14 Nov 2022 17:18

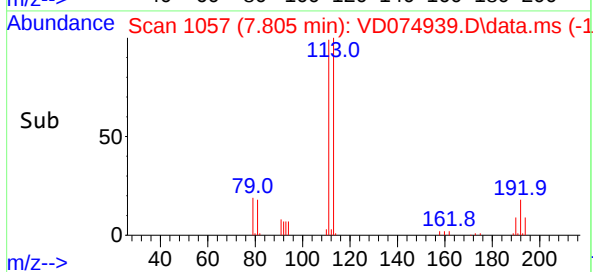
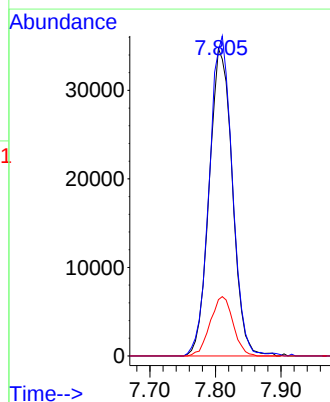
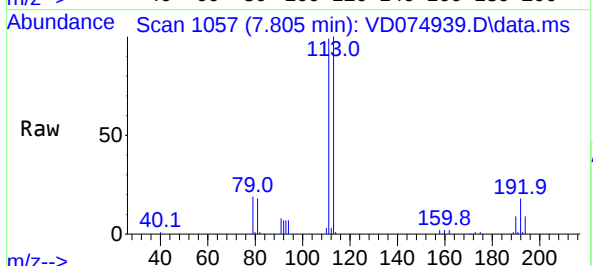
Tgt Ion:113 Resp: 85134

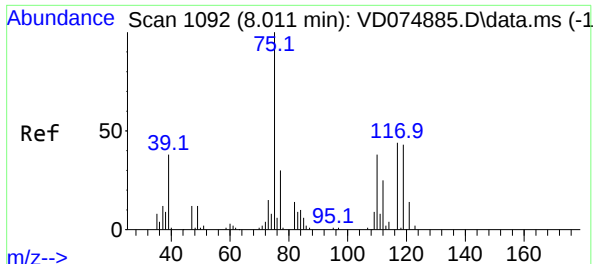
Ion Ratio Lower Upper

113 100

111 103.5 82.3 123.5

192 19.1 16.4 24.6

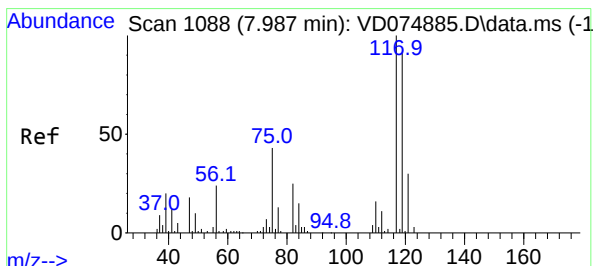
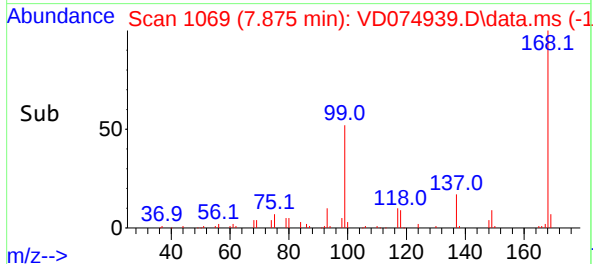
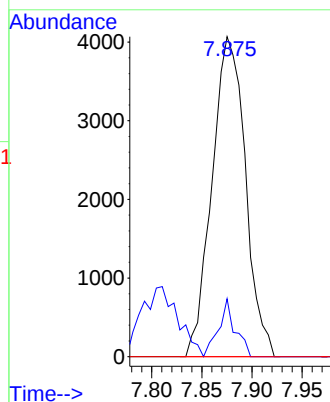
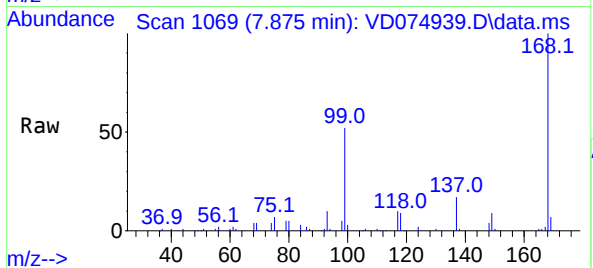




#36
1,1-Dichloropropene
Concen: 4.133 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.136 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

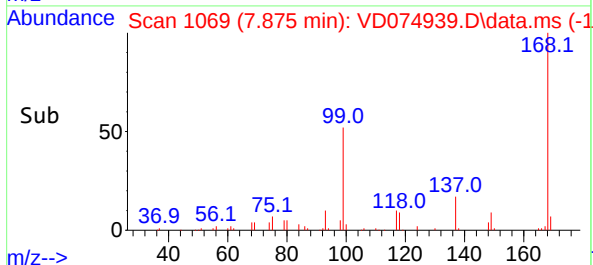
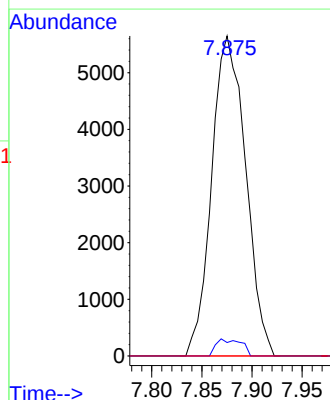
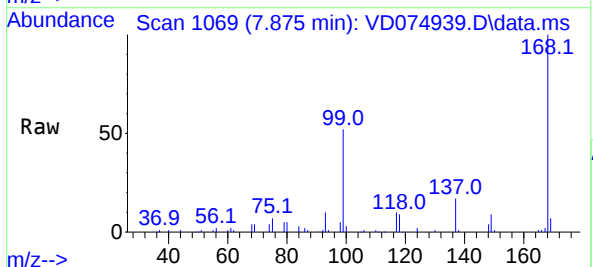
Instrument :
MSVOA_D
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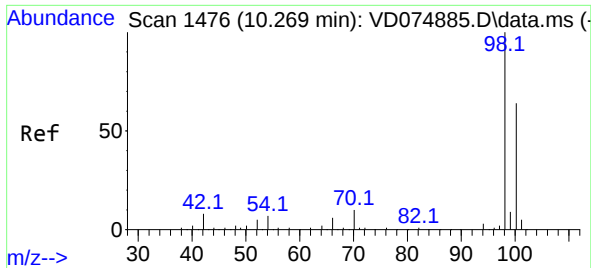
Tgt Ion: 75 Resp: 9437
Ion Ratio Lower Upper
75 100
110 9.0 19.7 59.0#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 6.196 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

Tgt Ion: 117 Resp: 13318
Ion Ratio Lower Upper
117 100
119 4.2 73.1 109.7#
121 0.0 25.0 37.6#

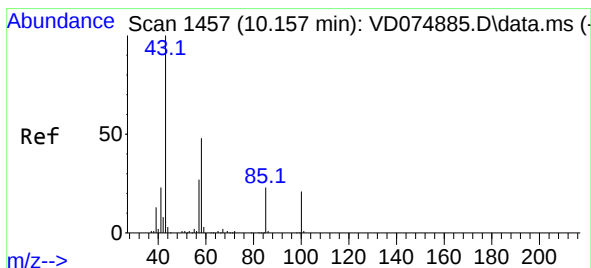
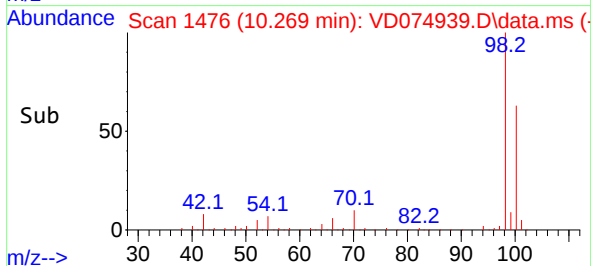
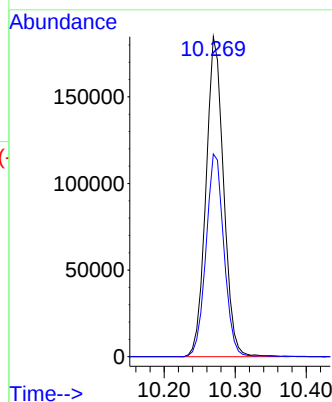
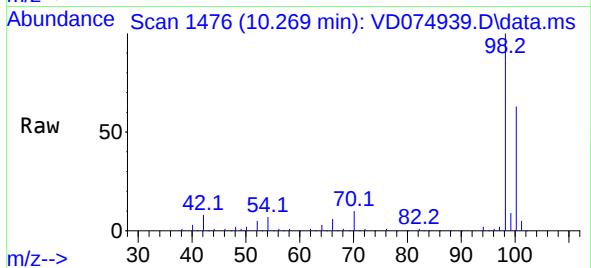




#50
Toluene-d8
Concen: 62.382 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

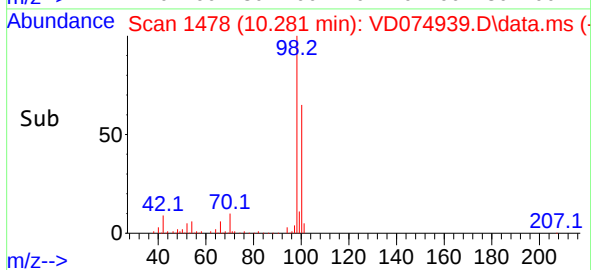
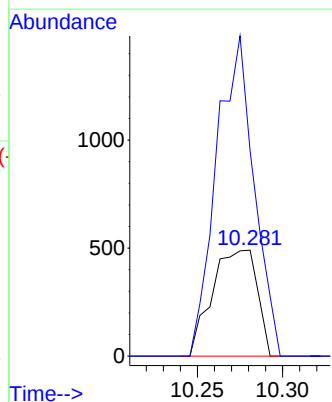
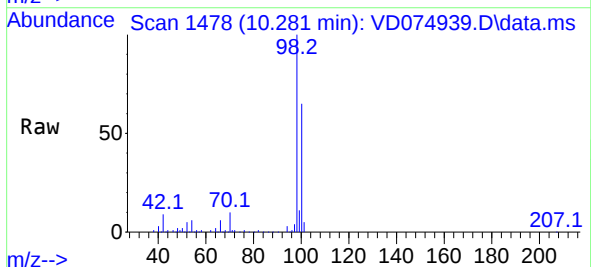
Instrument :
MSVOA_D
ClientSampleId :
TP-12

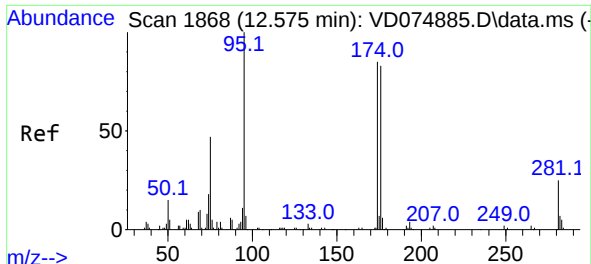
Tgt Ion: 98 Resp: 319268
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.400 ug/l
RT: 10.281 min Scan# 1478
Delta R.T. 0.124 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 252.3 37.8 56.6#

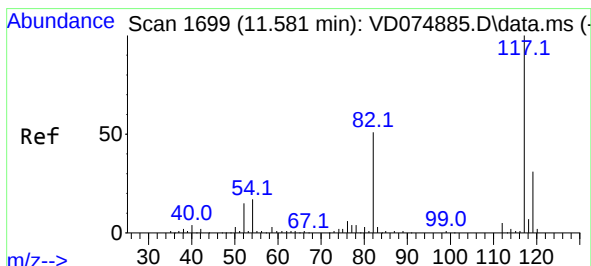
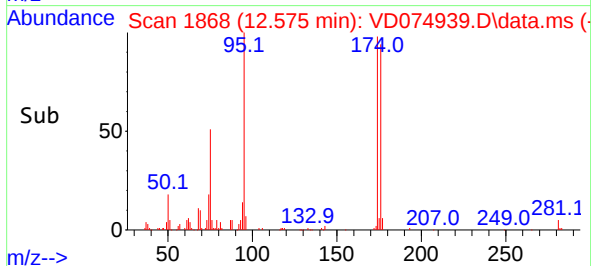
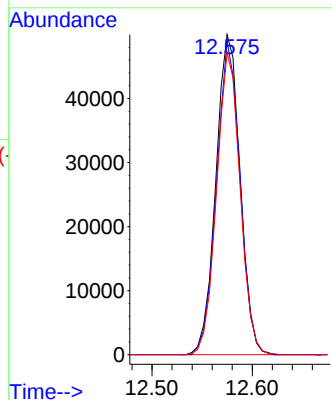
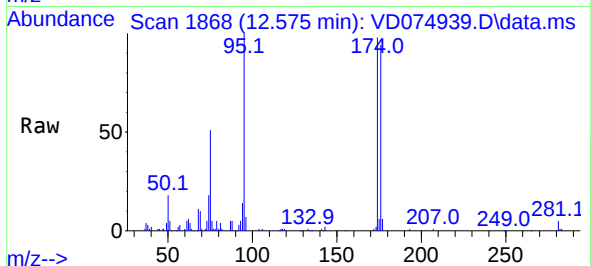




#62
4-Bromofluorobenzene
Concen: 53.194 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

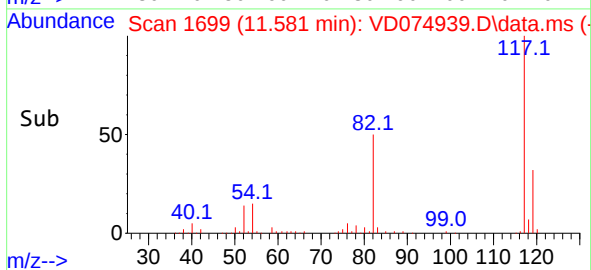
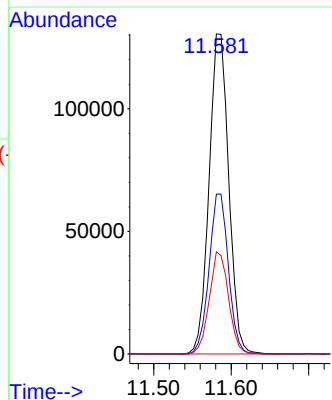
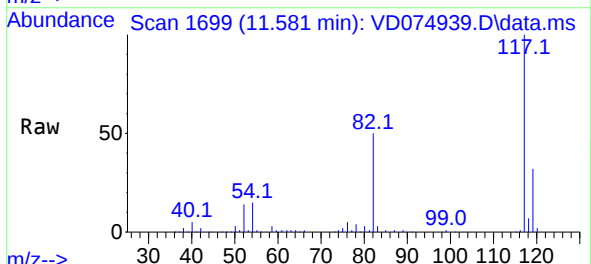
Instrument :
MSVOA_D
ClientSampleId :
TP-12

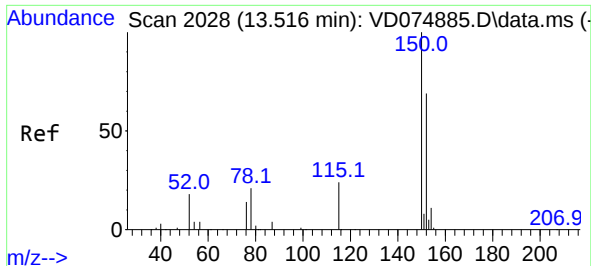
Tgt Ion: 95 Resp: 83597
Ion Ratio Lower Upper
95 100
174 95.6 0.0 197.0
176 91.7 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

Tgt Ion: 117 Resp: 229966
Ion Ratio Lower Upper
117 100
82 50.0 41.6 62.4
119 32.0 25.2 37.8

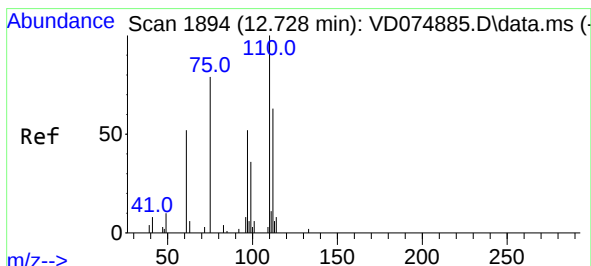
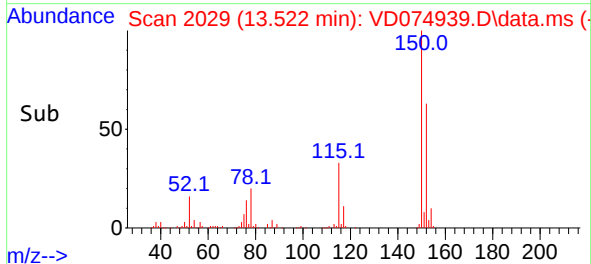
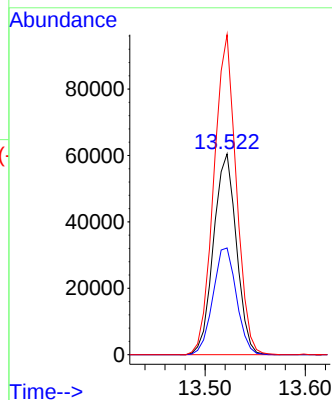
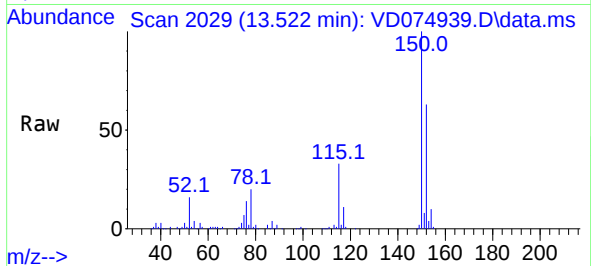




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

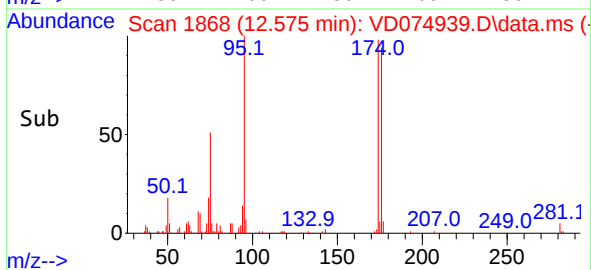
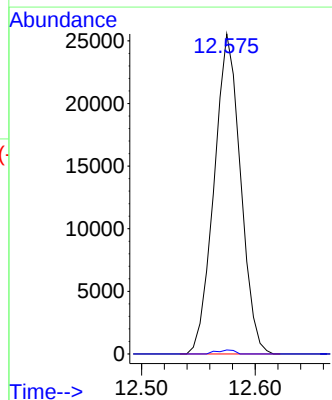
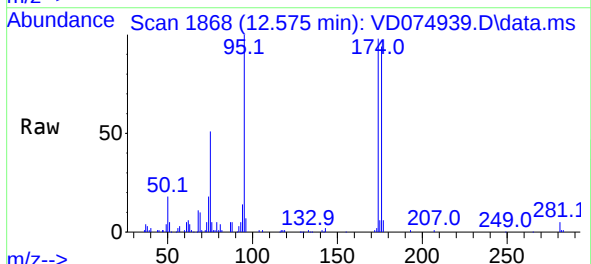
Instrument :
MSVOA_D
ClientSampleId :
TP-12

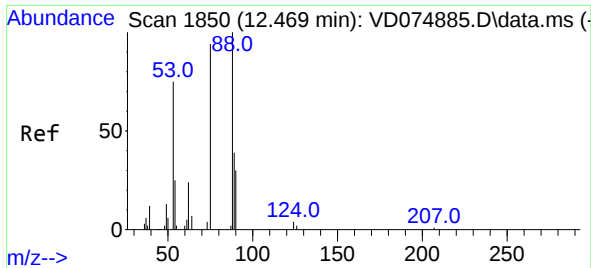
Tgt Ion:152 Resp: 95977
Ion Ratio Lower Upper
152 100
115 54.6 26.8 80.4
150 155.8 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 51.448 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074939.D
Acq: 14 Nov 2022 17:18

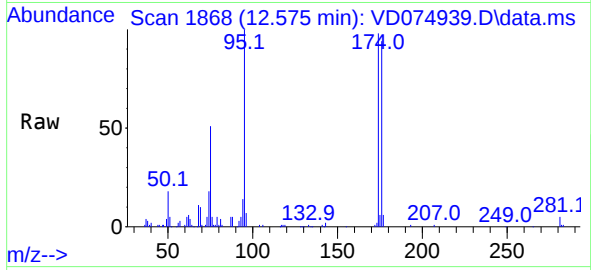
Tgt Ion: 75 Resp: 41300
Ion Ratio Lower Upper
75 100
77 0.9 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.563 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074939.D
 Acq: 14 Nov 2022 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-12



Tgt Ion: 75 Resp: 41300
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

