

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030823\
 Data File : VD075471.D
 Acq On : 08 Mar 2023 16:03
 Operator : KP/SY
 Sample : 01833-04
 Misc : 5.54G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 42

Quant Time: Mar 09 02:16:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 08 12:19:57 2023
 Response via : Initial Calibration

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

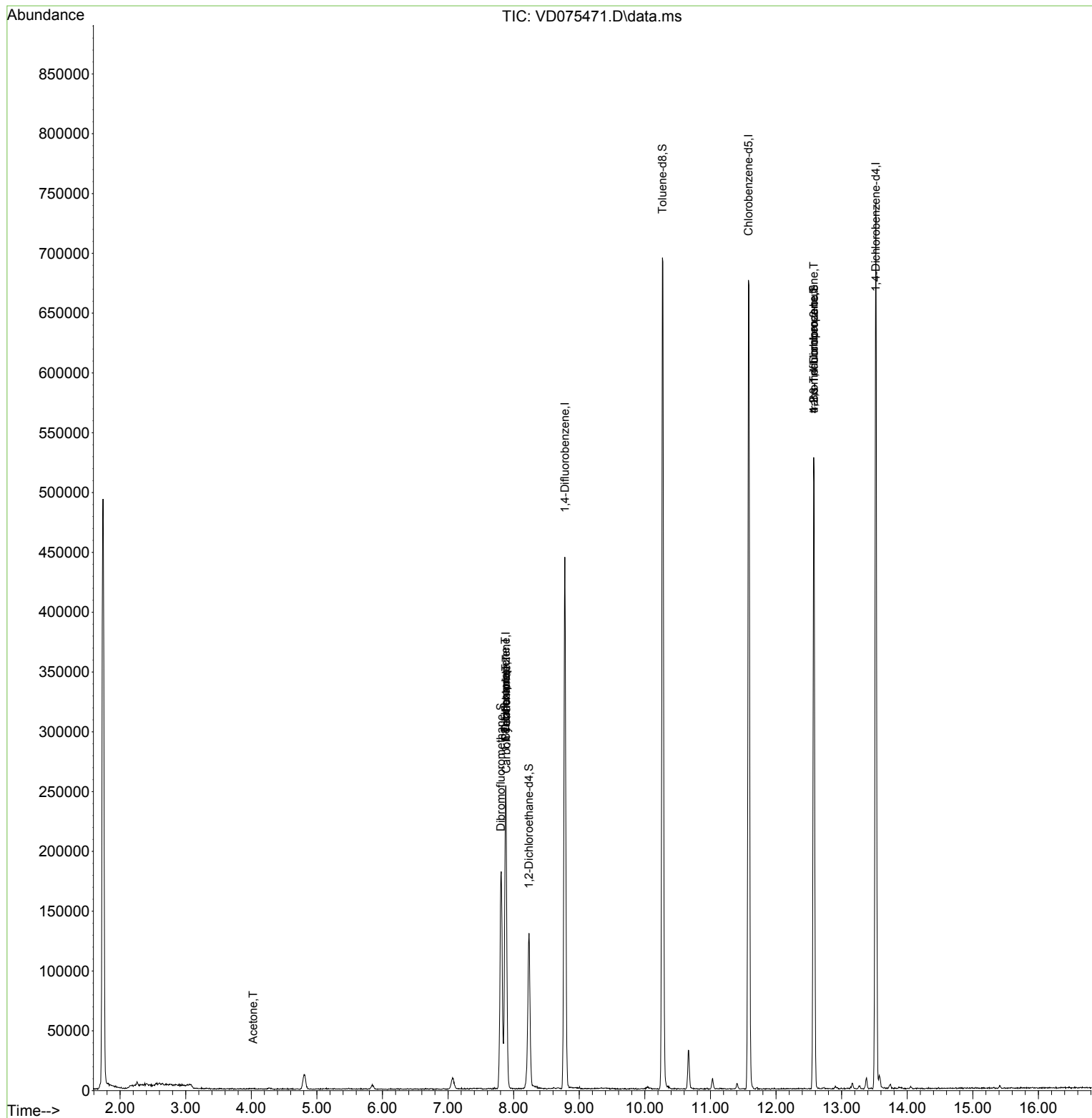
Internal Standards						
1) Pentafluorobenzene	7.881	168	204840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	415541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	432985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	203665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	99029	78.343	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 156.680%	
35) Dibromofluoromethane	7.804	113	138376	57.469	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.940%	
50) Toluene-d8	10.269	98	530780	60.878	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 121.760%	
62) 4-Bromofluorobenzene	12.575	95	168367	63.859	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 127.720%	
Target Compounds						Qvalue
3) Chloromethane	2.152	50	459	Below Cal	#	74
16) Acetone	4.028	43	396	1.200	ug/l #	44
20) Methylene Chloride	4.816	84	11441	Below Cal	#	83
31) Cyclohexane	7.881	56	3879	1.180	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	15224	3.744	ug/l #	50
38) Carbon Tetrachloride	7.887	117	19244	5.111	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	84759	52.532	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	84759	108.979	ug/l #	5

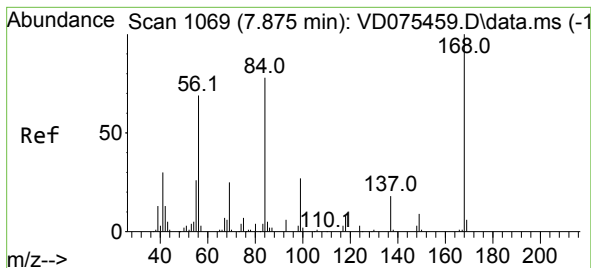
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 08 12:19:57 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD075471.D

Acq: 08 Mar 2023 16:03

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MSVOA_D

ClientSampleId :

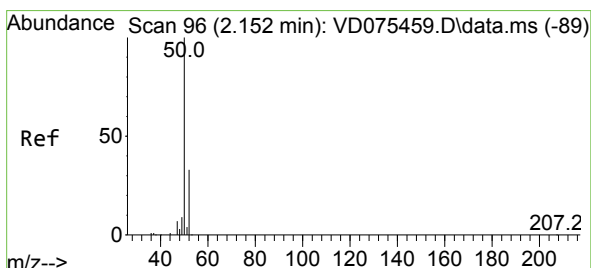
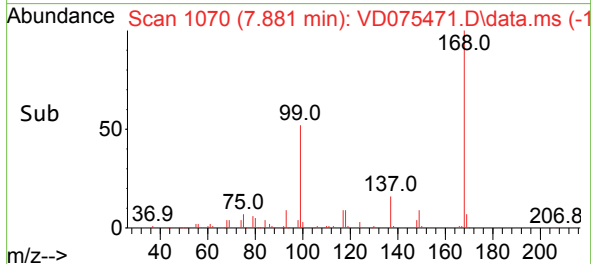
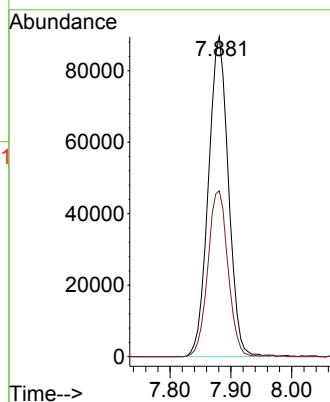
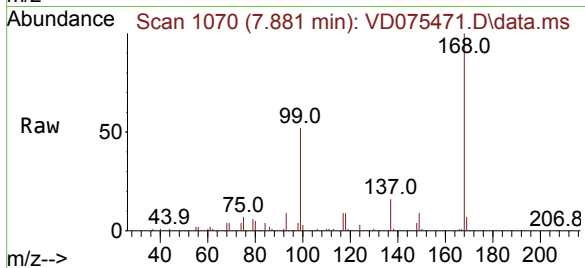
42

Tgt Ion:168 Resp: 204840

Ion Ratio Lower Upper

168 100

99 51.9 43.8 65.6



#3

Chloromethane

Concen: Below Cal

RT: 2.152 min Scan# 96

Delta R.T. -0.000 min

Lab File: VD075471.D

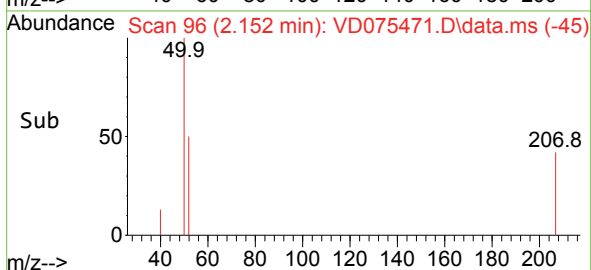
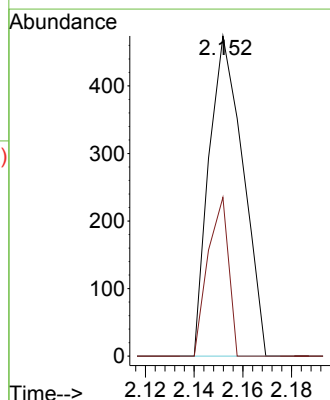
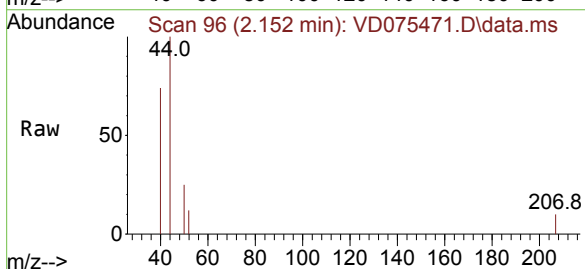
Acq: 08 Mar 2023 16:03

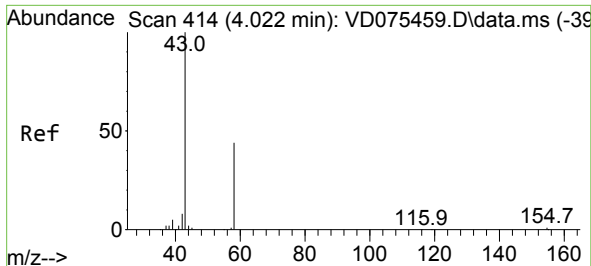
Tgt Ion: 50 Resp: 459

Ion Ratio Lower Upper

50 100

52 49.6 27.8 41.8#

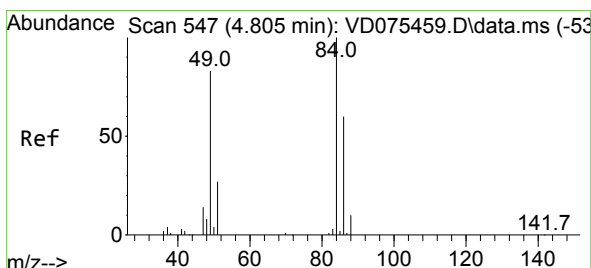
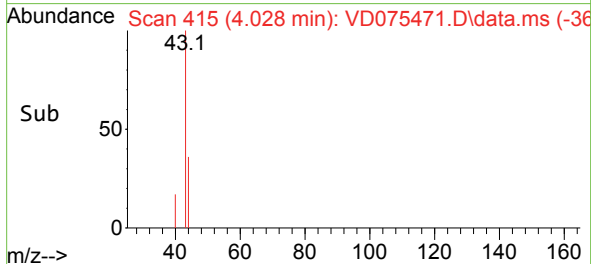
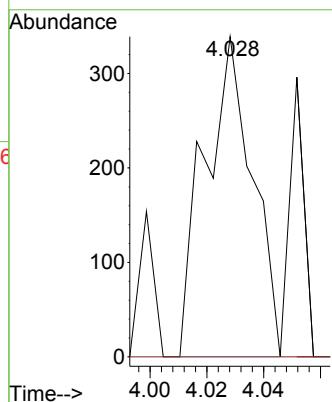
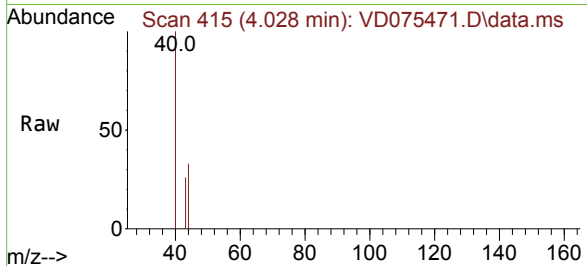




#16
Acetone
Concen: 1.200 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD075471.D
Acq: 08 Mar 2023 16:03

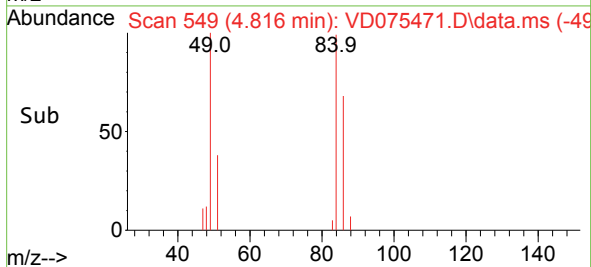
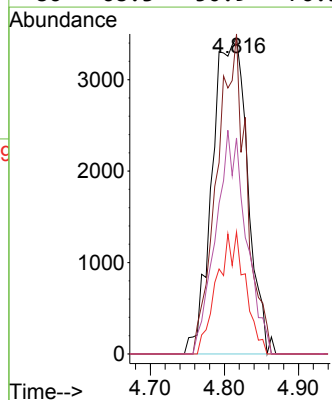
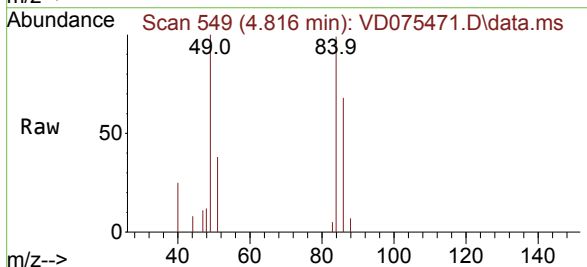
Instrument :
MSVOA_D
ClientSampleId :
42

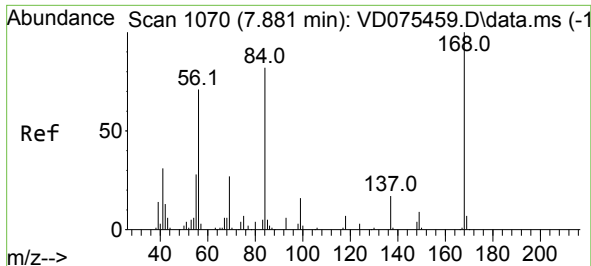
Tgt Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD075471.D
Acq: 08 Mar 2023 16:03

Tgt Ion: 84 Resp: 11441
Ion Ratio Lower Upper
84 100
49 101.2 106.4 159.6#
51 38.5 32.4 48.6
86 68.3 50.9 76.3

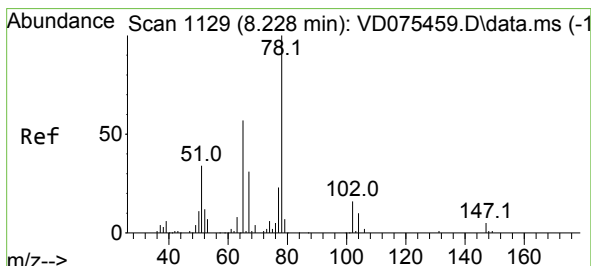
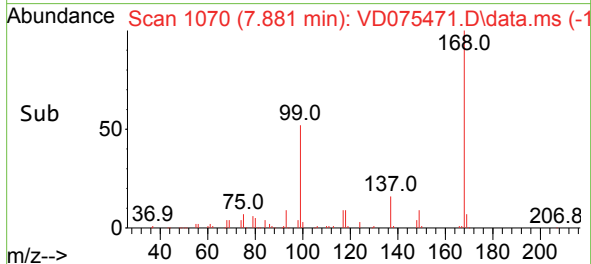
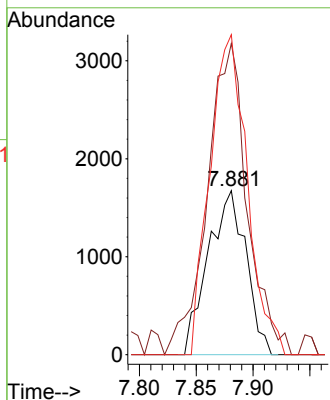
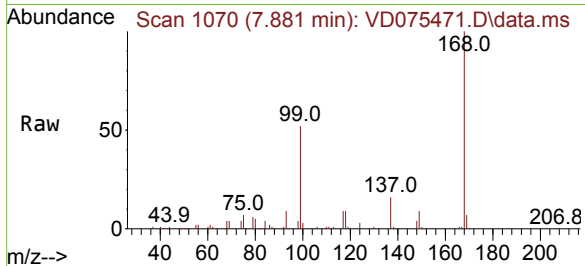




#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.881 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075471.D
Acq: 08 Mar 2023 16:03

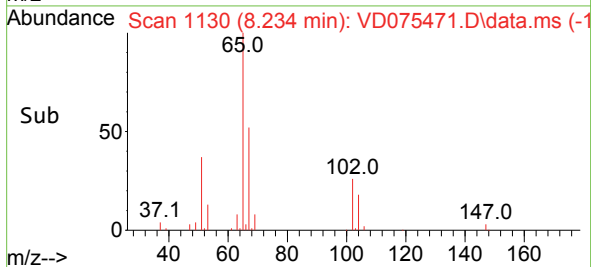
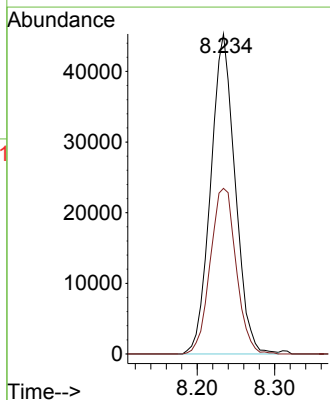
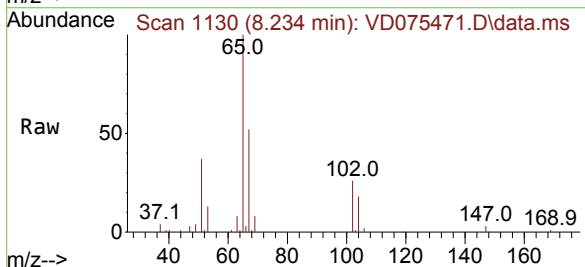
Instrument :
MSVOA_D
ClientSampleId :
42

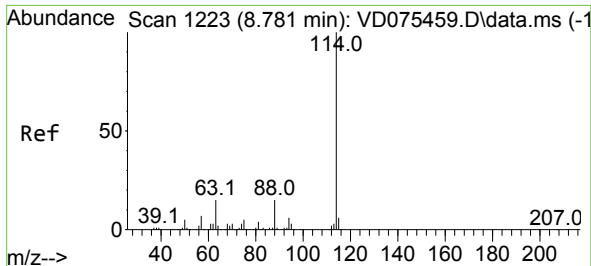
Tgt Ion: 56 Resp: 3879
Ion Ratio Lower Upper
56 100
69 180.7 25.5 38.3#
84 195.0 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 78.343 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD075471.D
Acq: 08 Mar 2023 16:03

Tgt Ion: 65 Resp: 99029
Ion Ratio Lower Upper
65 100
67 54.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 114

Delta R.T. -0.000 min

Lab File: VD075471.D

Acq: 08 Mar 2023 16:03

Instrument :

MSVOA_D

ClientSampleId :

42

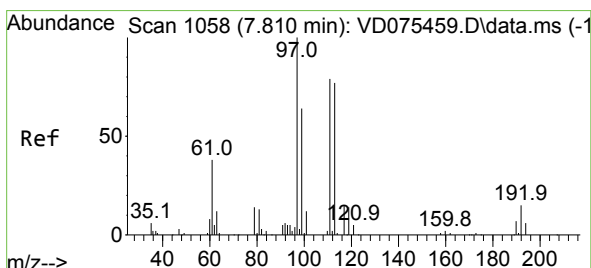
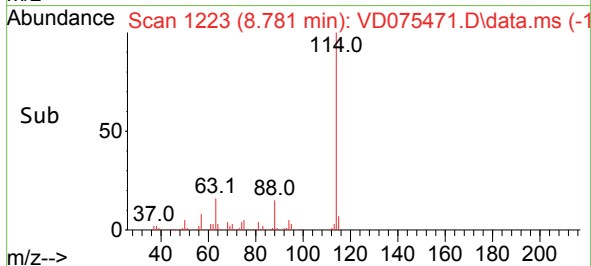
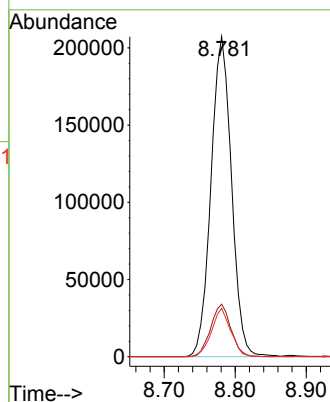
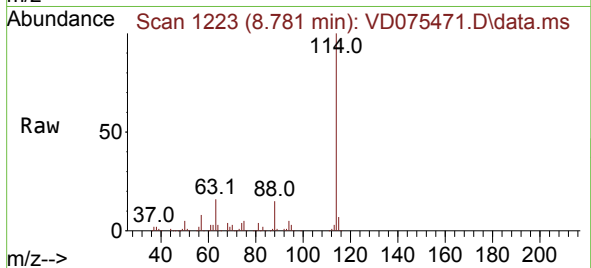
Tgt Ion:114 Resp: 415541

Ion Ratio Lower Upper

114 100

63 16.4 0.0 41.6

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.469 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075471.D

Acq: 08 Mar 2023 16:03

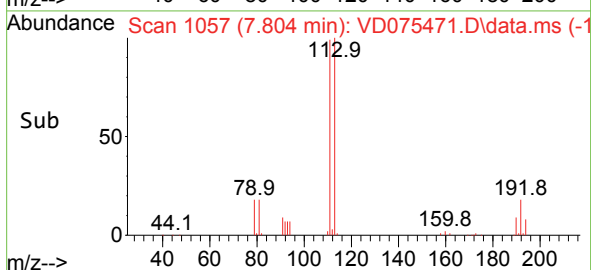
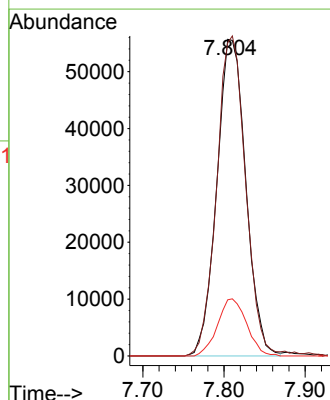
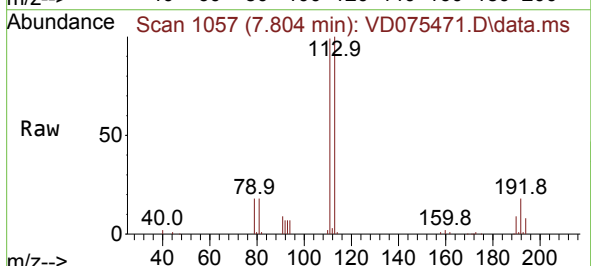
Tgt Ion:113 Resp: 138376

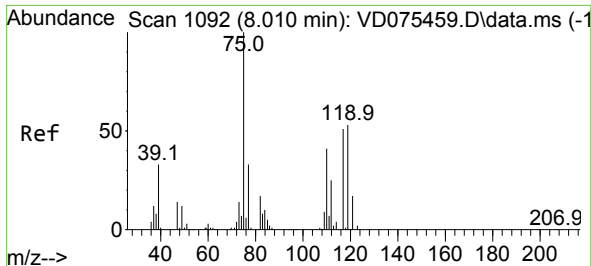
Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.744 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075471.D

Acq: 08 Mar 2023 16:03

Instrument :

MSVOA_D

ClientSampleId :

42

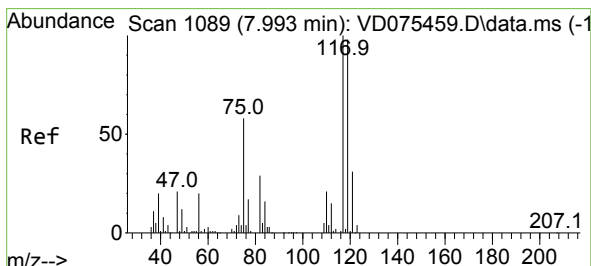
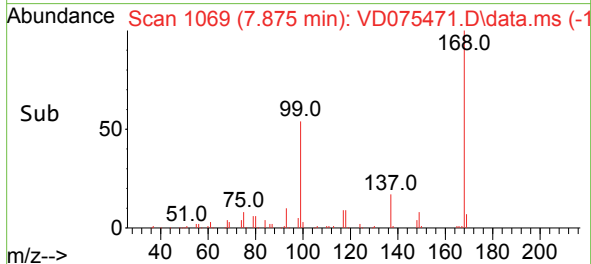
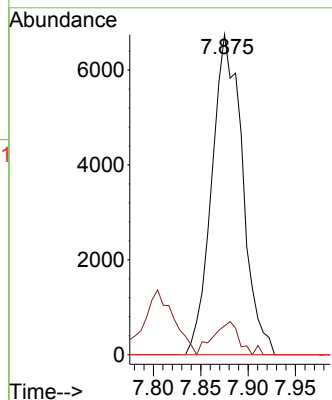
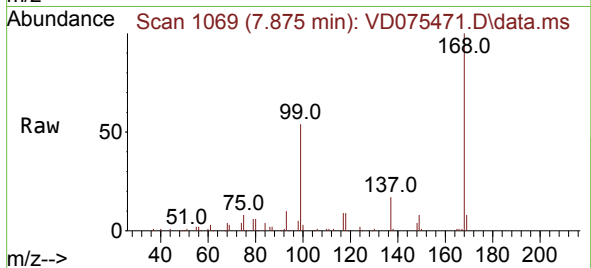
Tgt Ion: 75 Resp: 15224

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.111 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.106 min

Lab File: VD075471.D

Acq: 08 Mar 2023 16:03

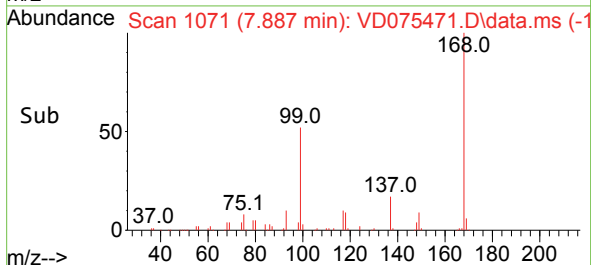
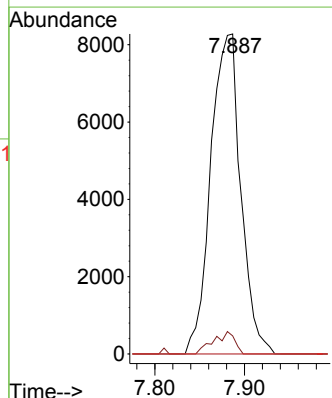
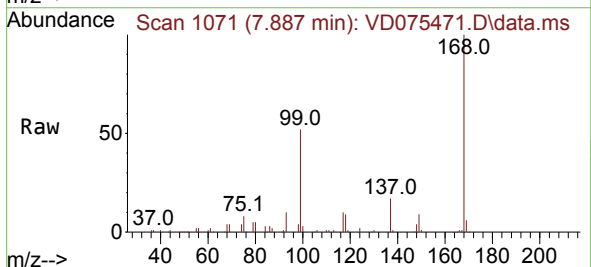
Tgt Ion: 117 Resp: 19244

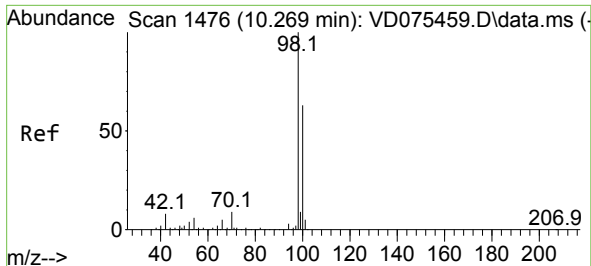
Ion Ratio Lower Upper

117 100

119 5.7 74.7 112.1#

121 0.0 25.9 38.9#

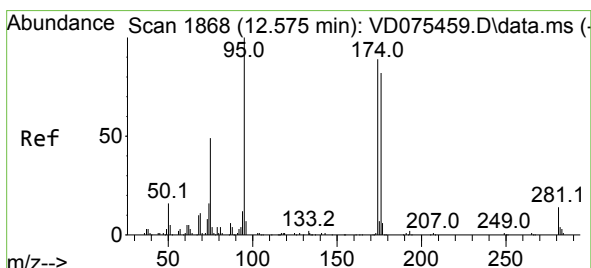
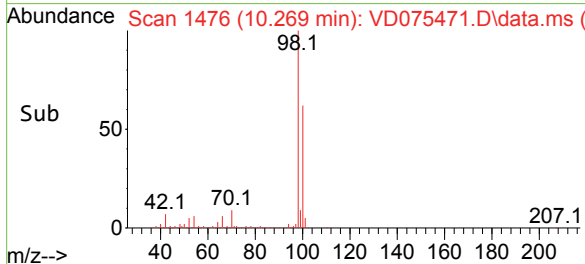
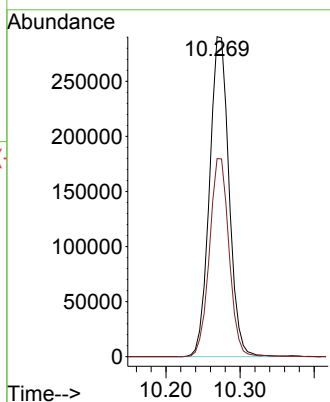
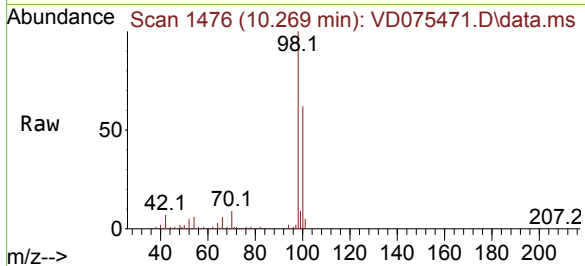




#50
Toluene-d8
Concen: 60.878 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075471.D
Acq: 08 Mar 2023 16:03

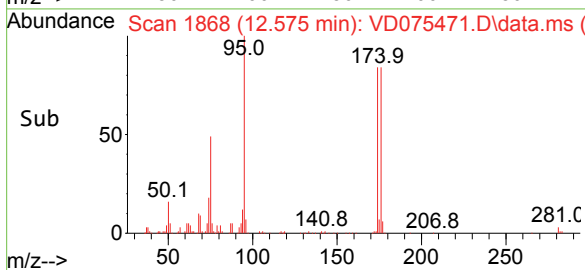
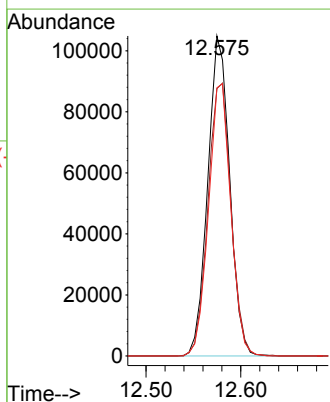
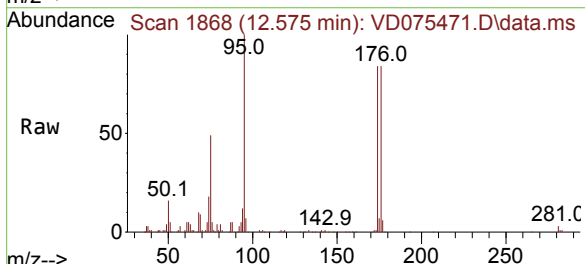
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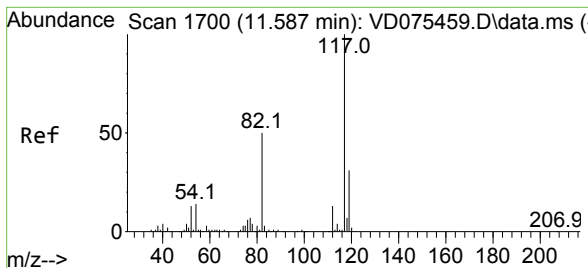
Tgt Ion: 98 Resp: 530780
Ion Ratio Lower Upper
98 100
100 62.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 63.859 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075471.D
Acq: 08 Mar 2023 16:03

Tgt Ion: 95 Resp: 168367
Ion Ratio Lower Upper
95 100
174 89.8 0.0 164.0
176 86.3 0.0 156.8

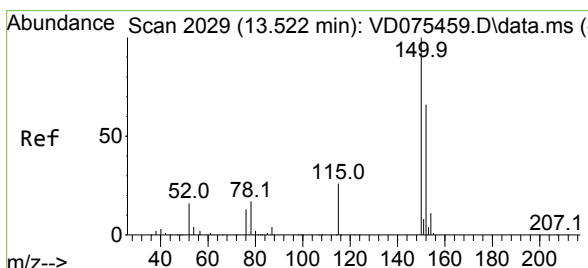
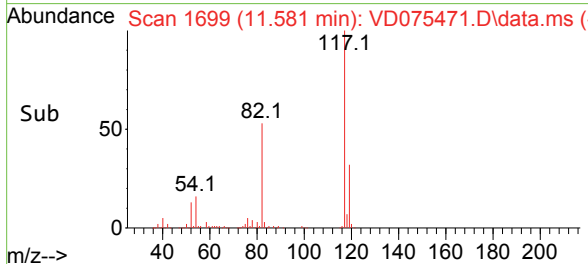
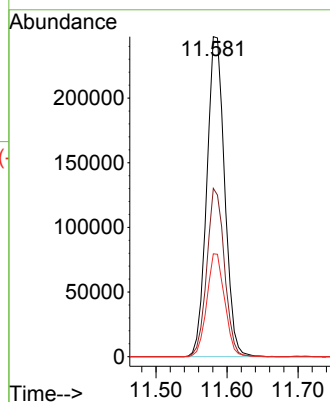
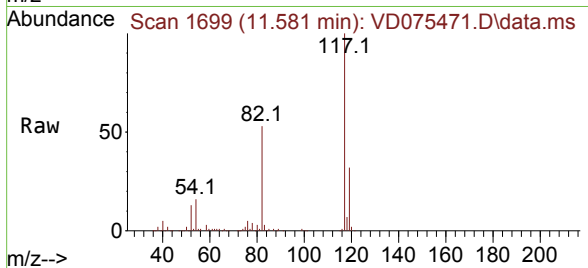




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075471.D
Acq: 08 Mar 2023 16:03

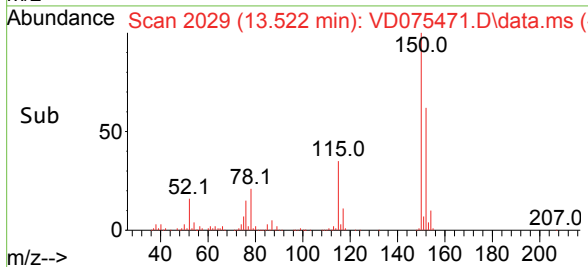
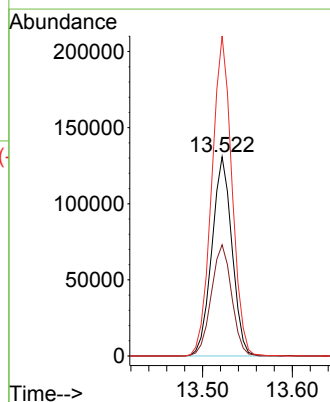
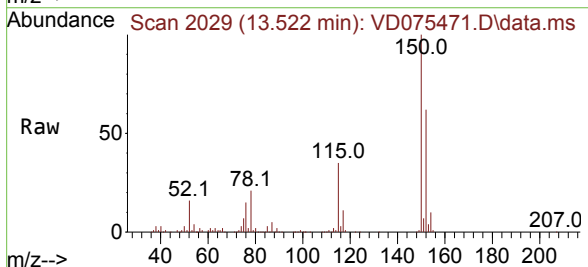
Instrument :
MSVOA_D
ClientSampleId :
42

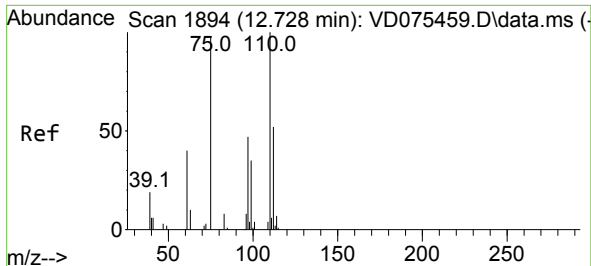
Tgt Ion:117 Resp: 432985
Ion Ratio Lower Upper
117 100
82 52.6 44.0 66.0
119 32.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075471.D
Acq: 08 Mar 2023 16:03

Tgt Ion:152 Resp: 203665
Ion Ratio Lower Upper
152 100
115 56.6 30.1 90.3
150 161.0 0.0 364.8

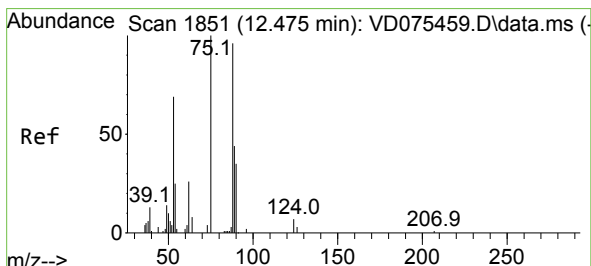
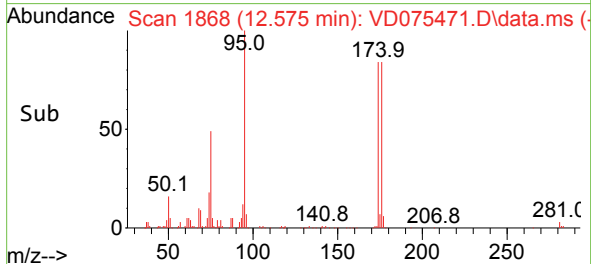
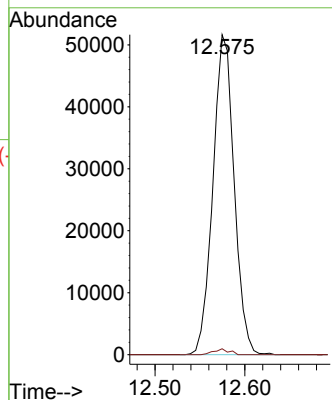
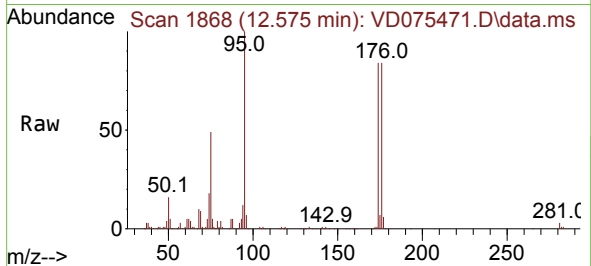




#76
1,2,3-Trichloropropane
Concen: 52.532 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075471.D
Acq: 08 Mar 2023 16:03

Instrument :
MSVOA_D
ClientSampleId :
42

Tgt Ion: 75 Resp: 84759
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.979 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075471.D
Acq: 08 Mar 2023 16:03

Tgt Ion: 75 Resp: 84759
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

