

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041823\
 Data File : VD075732.D
 Acq On : 18 Apr 2023 17:44
 Operator : KP/SY
 Sample : 02270-18
 Misc : 5.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-31-0-2-20230412

Quant Time: Apr 19 01:24:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

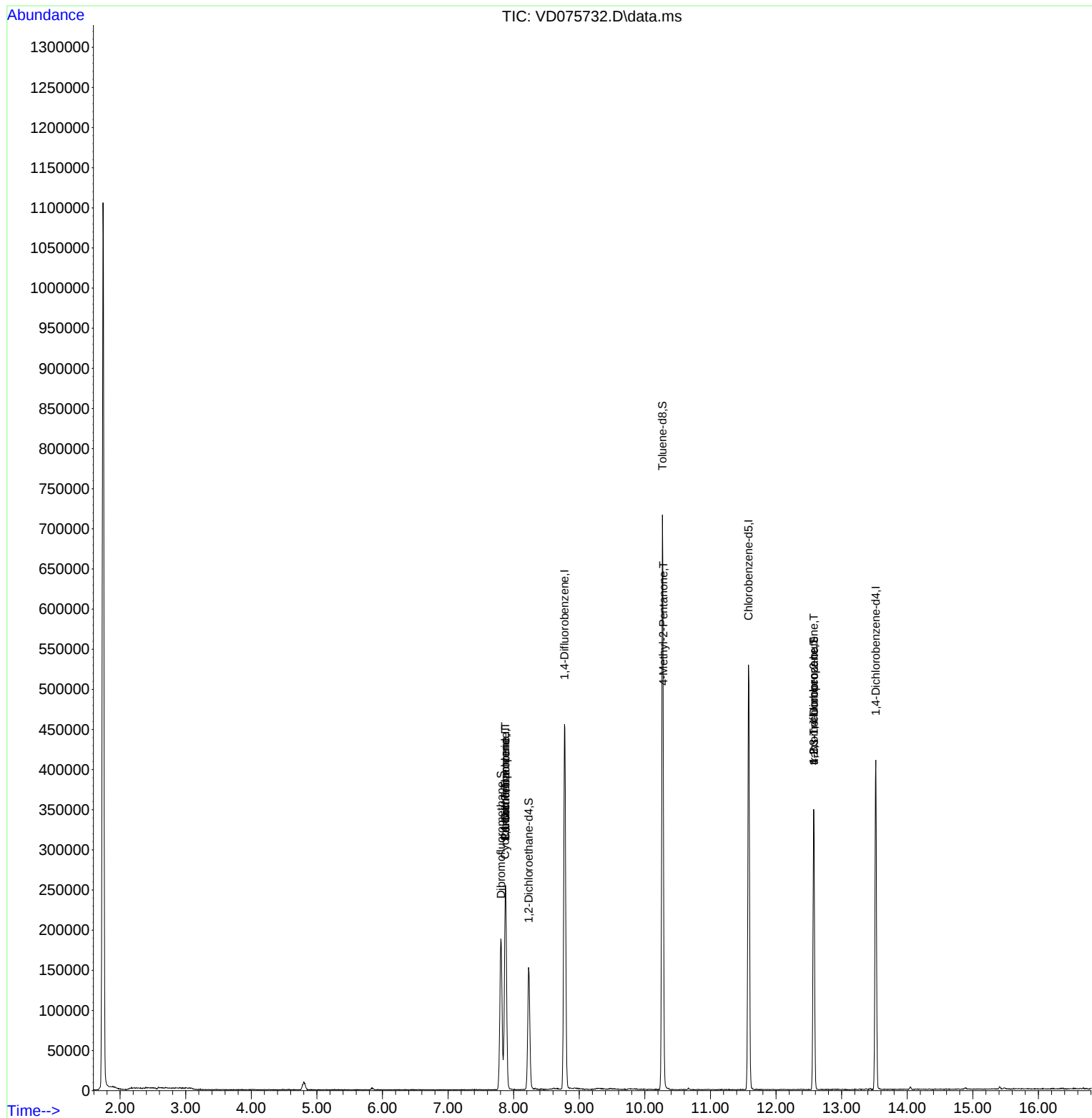
Internal Standards						
1) Pentafluorobenzene	7.875	168	212342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	470101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	337835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	117318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	116098	57.602	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.200%
35) Dibromofluoromethane	7.810	113	139818	44.220	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.440%
50) Toluene-d8	10.269	98	512455	40.472	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.940%
62) 4-Bromofluorobenzene	12.575	95	109521	32.542	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.080%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.805	84	9077	Below Cal	#	67
31) Cyclohexane	7.869	56	3887	1.229	ug/l #	12
36) 1,1-Dichloropropene	7.875	75	15610	3.579	ug/l #	44
38) Carbon Tetrachloride	7.875	117	18740	4.879	ug/l #	18
51) 4-Methyl-2-Pentanone	10.281	43	1405	1.089	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	54857	57.339	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	54857	124.276	ug/l #	5

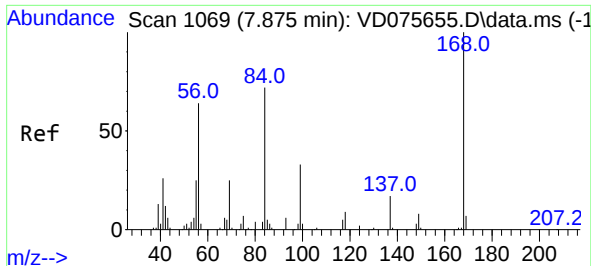
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-31-0-2-20230412

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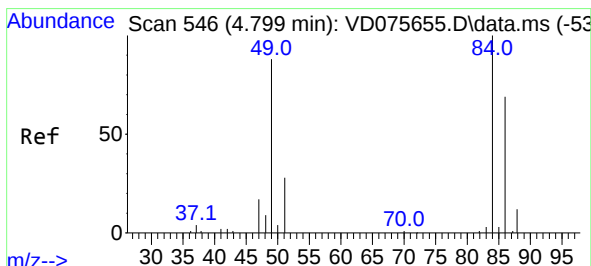
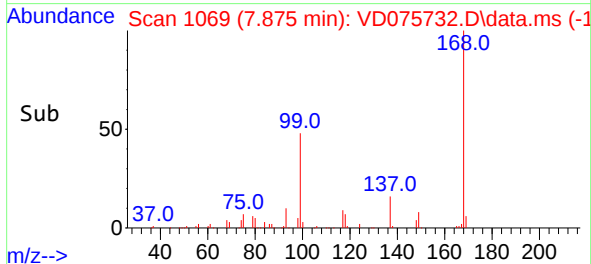
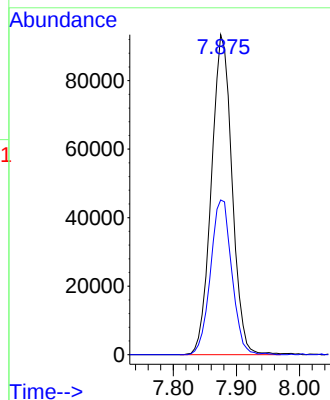
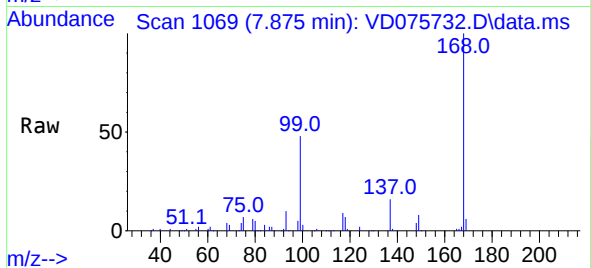




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075732.D
Acq: 18 Apr 2023 17:44

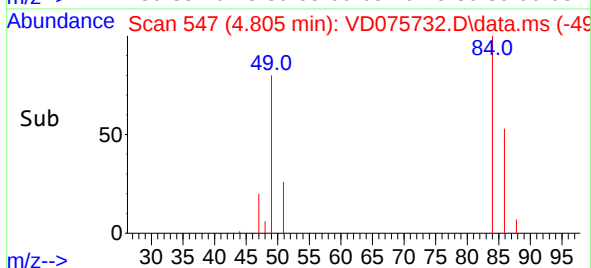
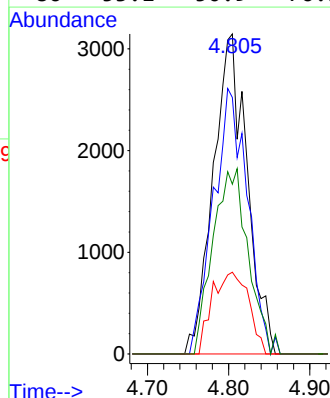
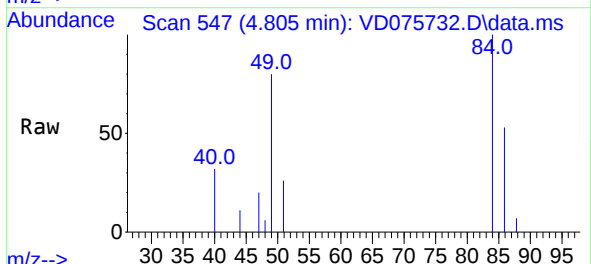
Instrument :
MSVOA_D
ClientSampleId :
SB-31-0-2-20230412

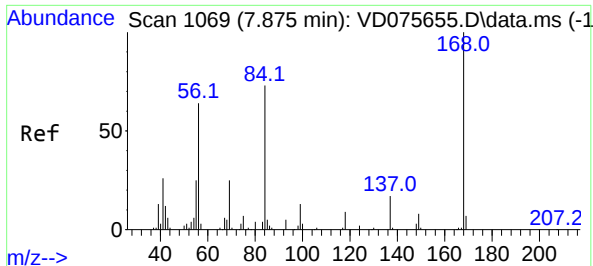
Tgt Ion:168 Resp: 212342
Ion Ratio Lower Upper
168 100
99 48.4 43.8 65.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075732.D
Acq: 18 Apr 2023 17:44

Tgt Ion: 84 Resp: 9077
Ion Ratio Lower Upper
84 100
49 80.2 106.4 159.6#
51 25.6 32.4 48.6#
86 53.1 50.9 76.3

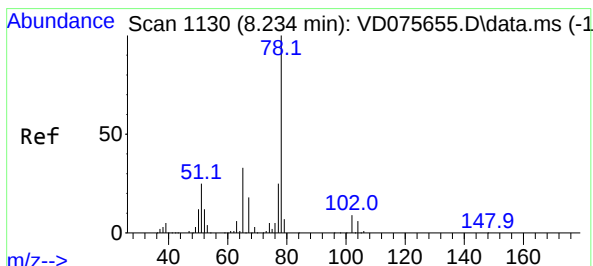
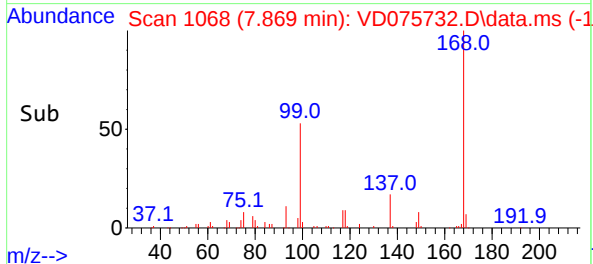
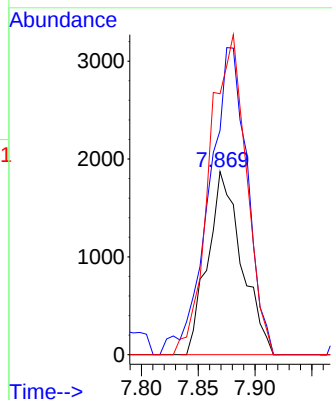
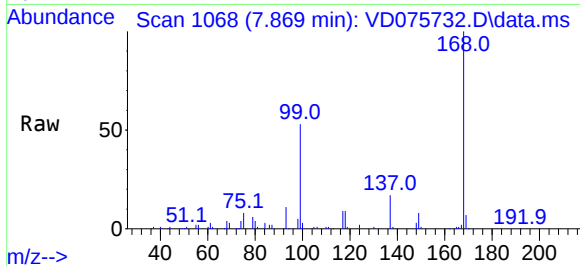




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.869 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD075732.D
Acq: 18 Apr 2023 17:44

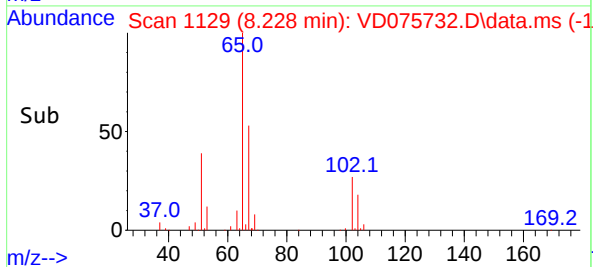
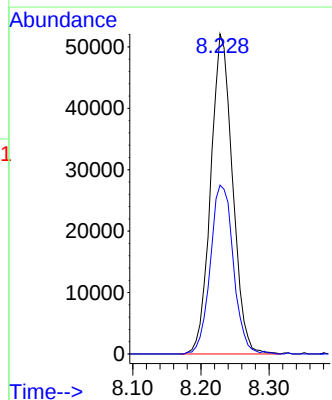
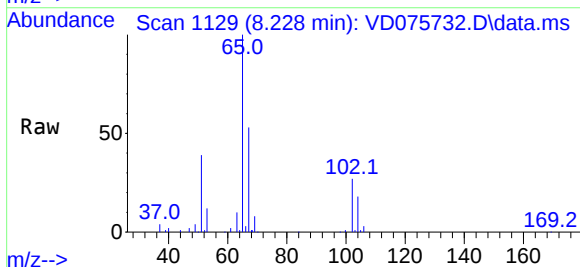
Instrument :
MSVOA_D
ClientSampleId :
SB-31-0-2-20230412

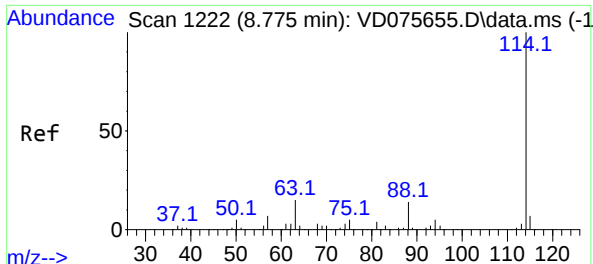
Tgt Ion: 56 Resp: 3887
Ion Ratio Lower Upper
56 100
69 122.4 25.5 38.3#
84 142.6 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 57.602 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD075732.D
Acq: 18 Apr 2023 17:44

Tgt Ion: 65 Resp: 116098
Ion Ratio Lower Upper
65 100
67 55.7 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075732.D

Acq: 18 Apr 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :

SB-31-0-2-20230412

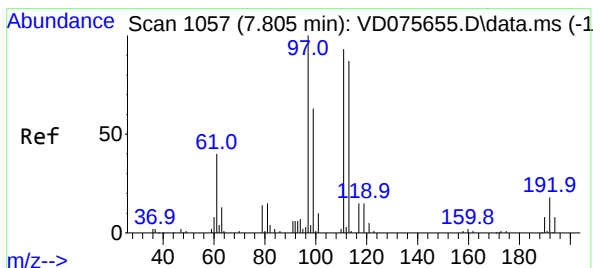
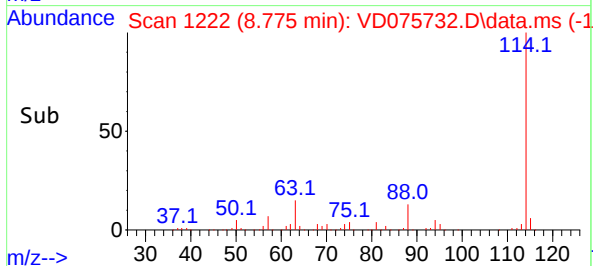
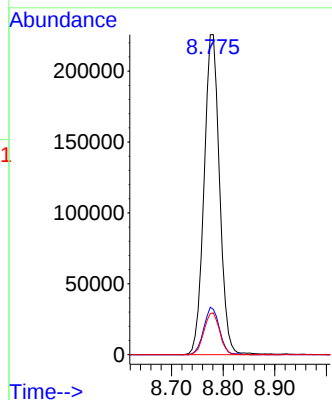
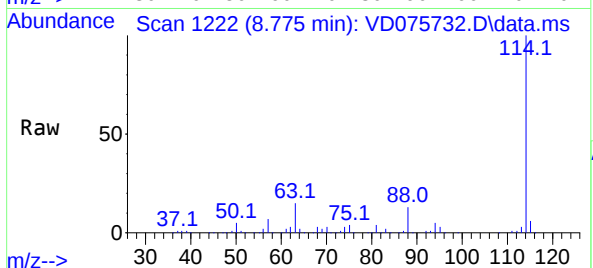
Tgt Ion:114 Resp: 470101

Ion Ratio Lower Upper

114 100

63 14.8 0.0 41.6

88 12.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 44.220 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD075732.D

Acq: 18 Apr 2023 17:44

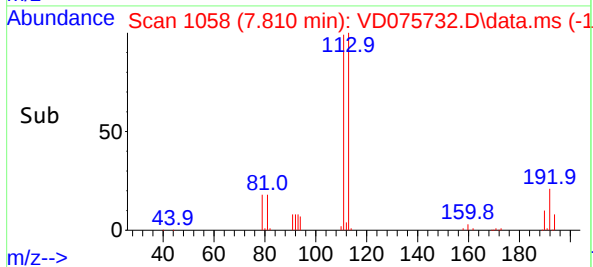
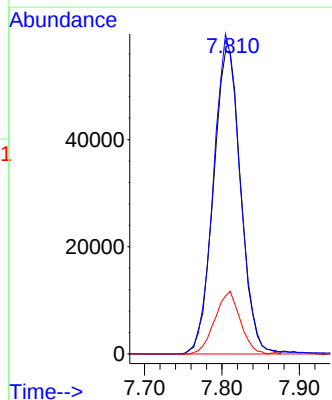
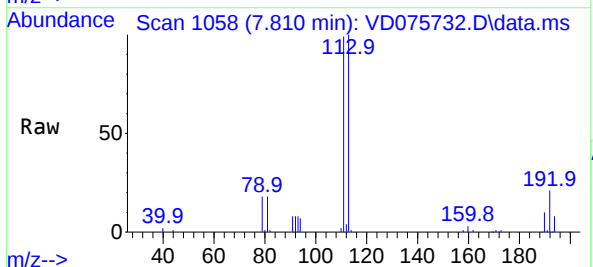
Tgt Ion:113 Resp: 139818

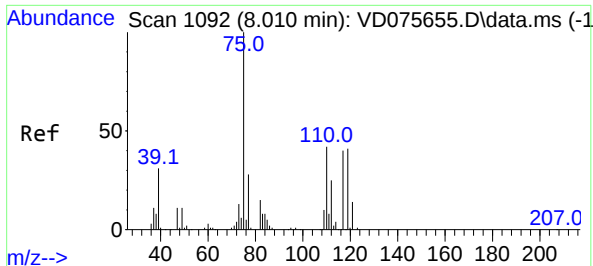
Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 19.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.579 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075732.D

Acq: 18 Apr 2023 17:44

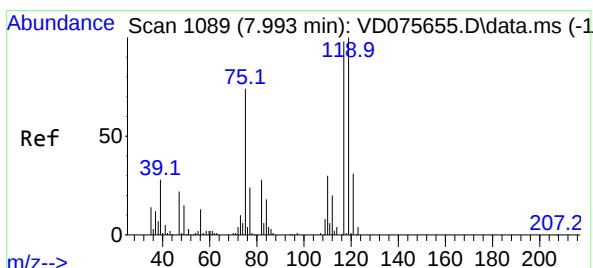
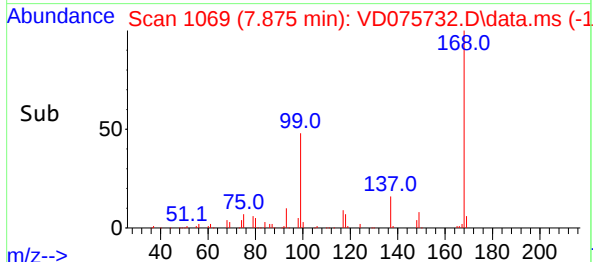
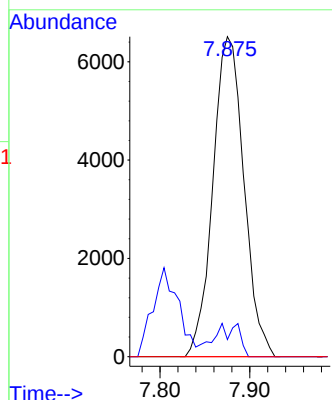
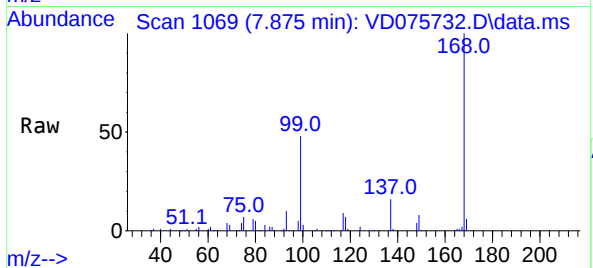
Instrument :

MSVOA_D

ClientSampleId :

SB-31-0-2-20230412

Tgt Ion:	75	Resp:	15610
Ion	Ratio	Lower	Upper
75	100		
110	1.8	17.1	51.2#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 4.879 ug/l

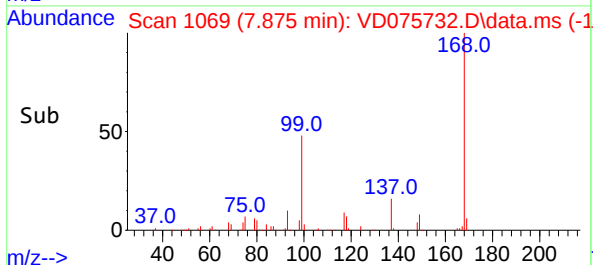
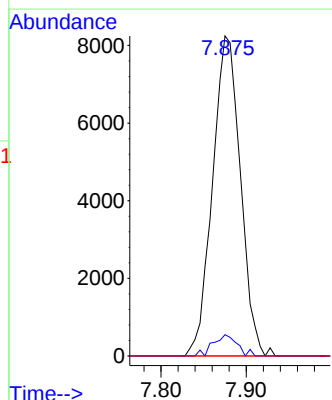
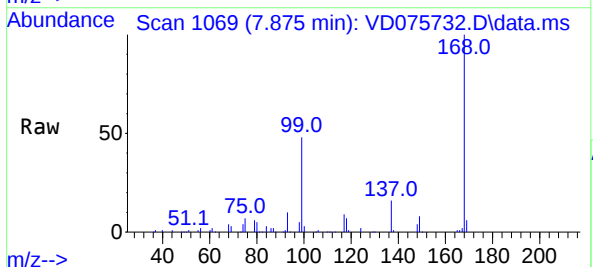
RT: 7.875 min Scan# 1069

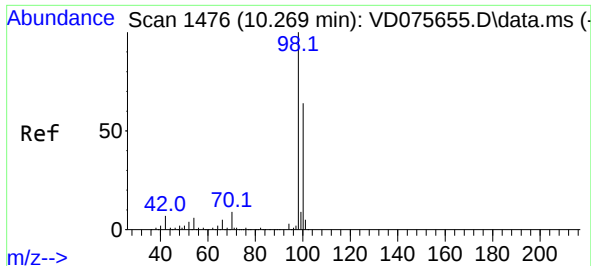
Delta R.T. -0.118 min

Lab File: VD075732.D

Acq: 18 Apr 2023 17:44

Tgt Ion:	117	Resp:	18740
Ion	Ratio	Lower	Upper
117	100		
119	6.6	74.7	112.1#
121	0.0	25.9	38.9#

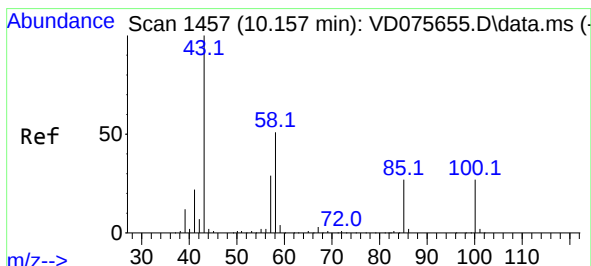
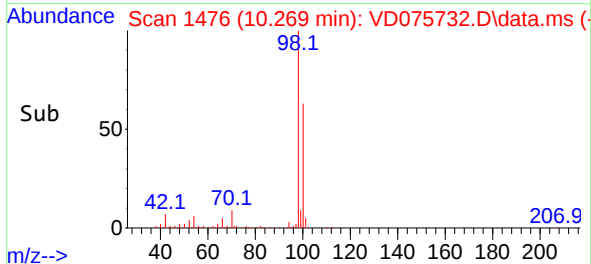
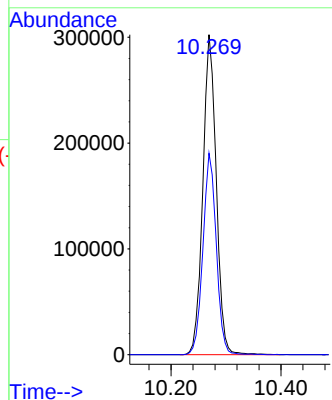
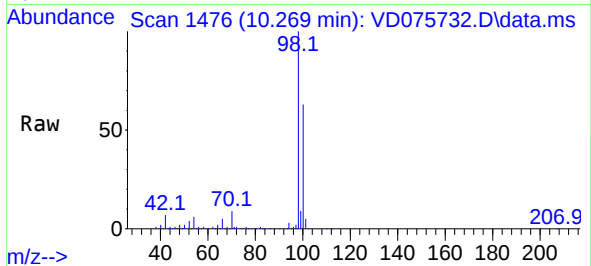




#50
Toluene-d8
Concen: 40.472 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075732.D
Acq: 18 Apr 2023 17:44

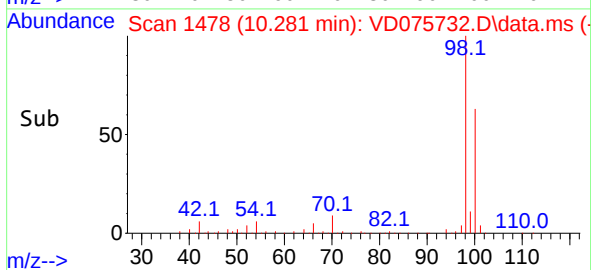
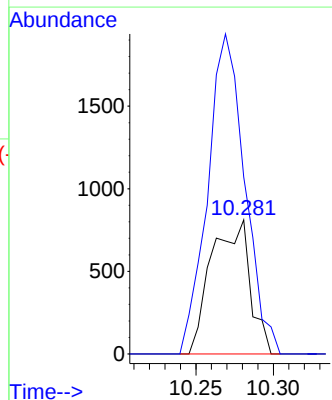
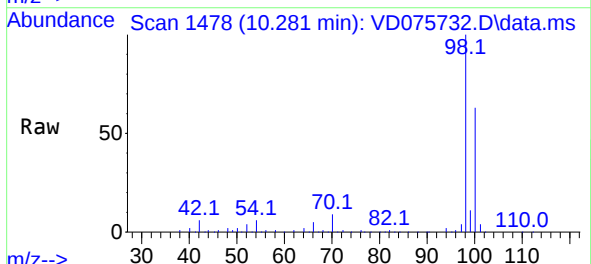
Instrument :
MSVOA_D
ClientSampleId :
SB-31-0-2-20230412

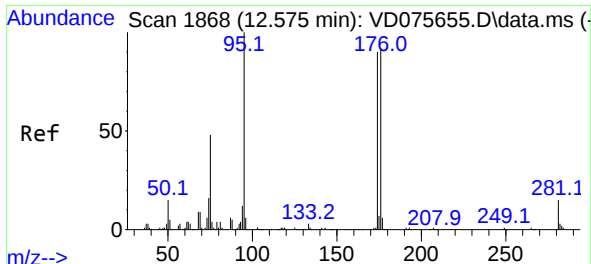
Tgt Ion: 98 Resp: 512455
Ion Ratio Lower Upper
98 100
100 62.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.089 ug/l
RT: 10.281 min Scan# 1478
Delta R.T. 0.124 min
Lab File: VD075732.D
Acq: 18 Apr 2023 17:44

Tgt Ion: 43 Resp: 1405
Ion Ratio Lower Upper
43 100
58 229.8 29.5 44.3#

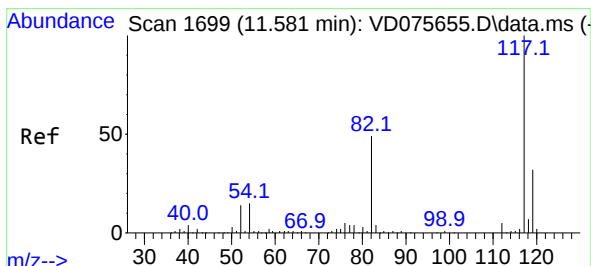
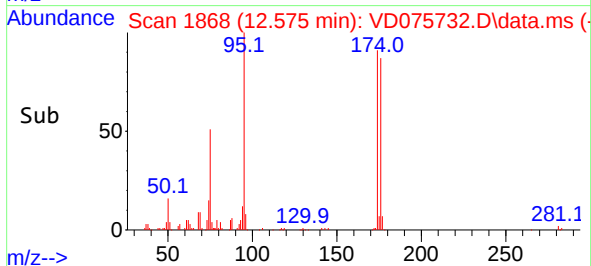
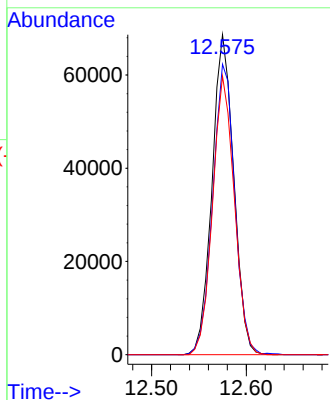
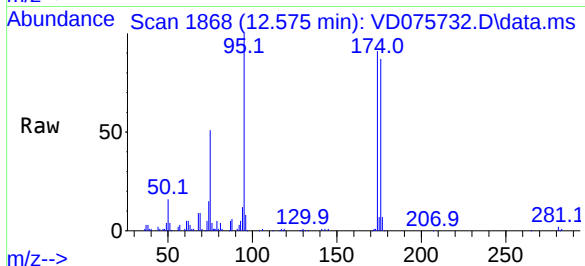




#62
4-Bromofluorobenzene
Concen: 32.542 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075732.D
Acq: 18 Apr 2023 17:44

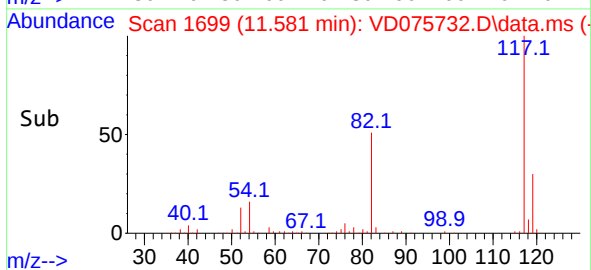
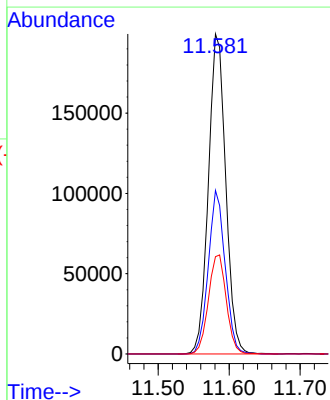
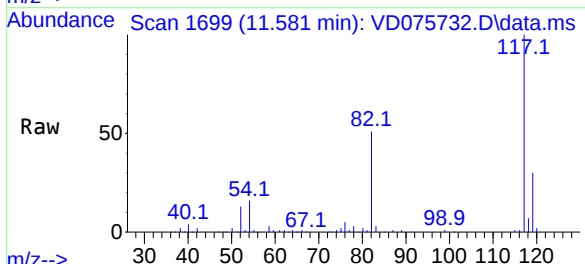
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MSVOA_D
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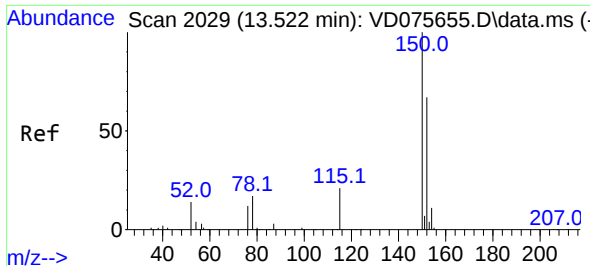
Tgt Ion:	95	Resp:	109521
Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	164.0
176	87.1	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075732.D
Acq: 18 Apr 2023 17:44

Tgt Ion:	117	Resp:	337835
Ion	Ratio	Lower	Upper
117	100		
82	51.1	44.0	66.0
119	30.4	25.1	37.7

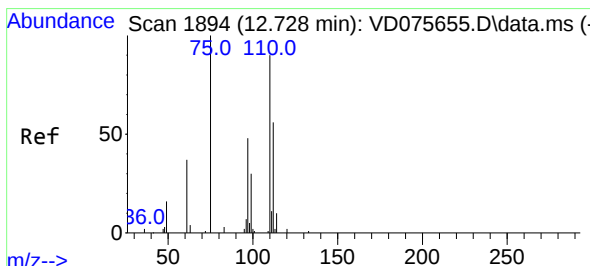
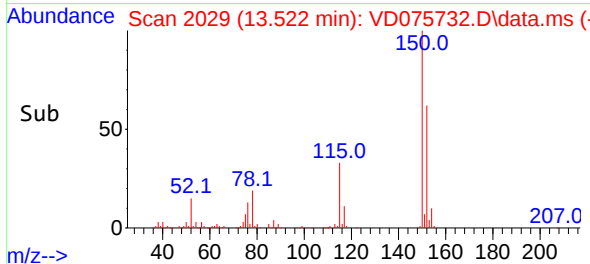
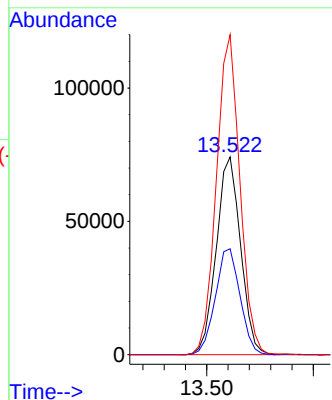
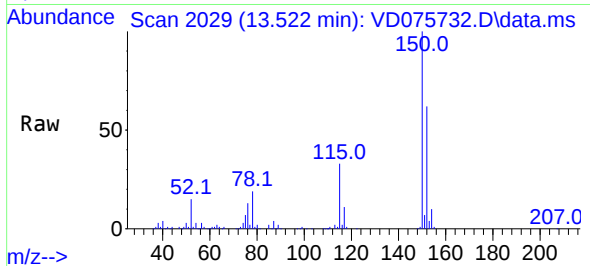




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075732.D
Acq: 18 Apr 2023 17:44

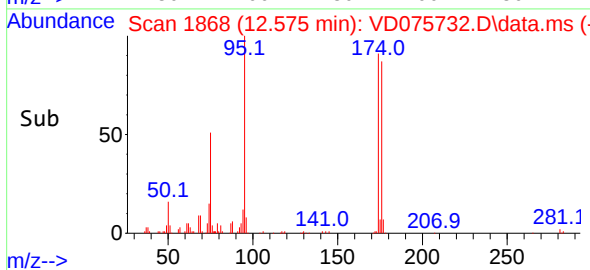
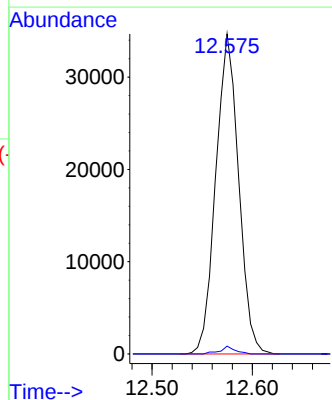
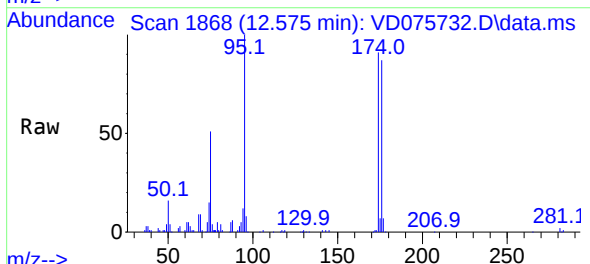
Instrument :
MSVOA_D
ClientSampleId :
SB-31-0-2-20230412

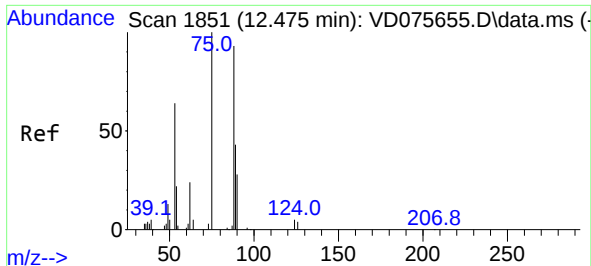
Tgt Ion:152 Resp: 117318
Ion Ratio Lower Upper
152 100
115 54.6 30.1 90.3
150 156.7 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 57.339 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075732.D
Acq: 18 Apr 2023 17:44

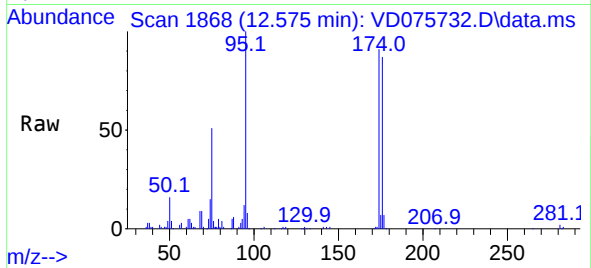
Tgt Ion: 75 Resp: 54857
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.276 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD075732.D
 Acq: 18 Apr 2023 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-31-0-2-20230412



Tgt Ion: 75 Resp: 54857
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

