

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079493.D
 Acq On : 31 Jul 2024 13:38
 Operator : RP/MD
 Sample : P3372-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-07252024

Quant Time: Jul 31 16:02:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

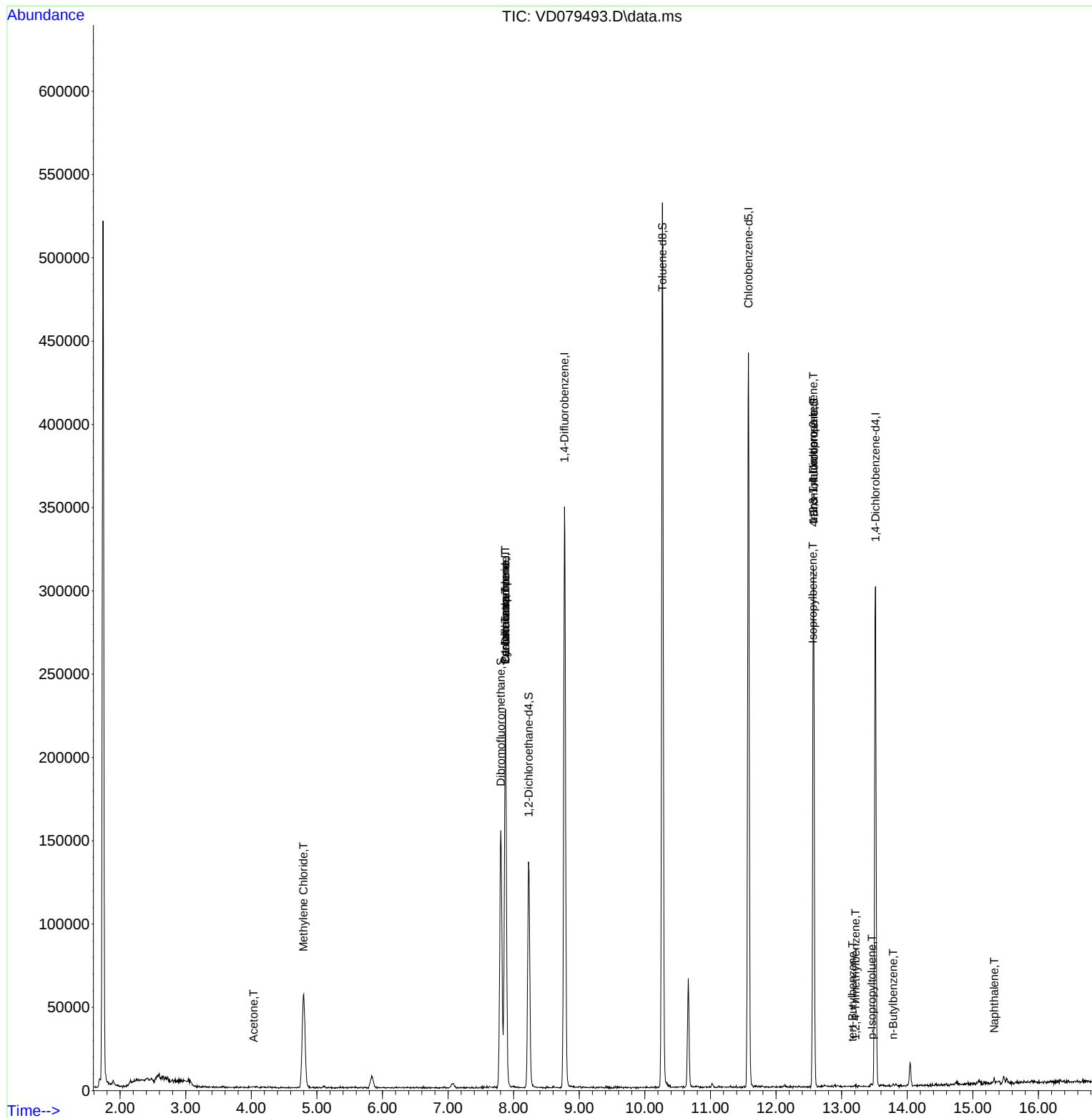
Internal Standards						
1) Pentafluorobenzene	7.875	168	179028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	318489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	265066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	105463	57.986	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.980%	
35) Dibromofluoromethane	7.804	113	111988	51.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.900%	
50) Toluene-d8	10.269	98	367686	43.922	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.840%	
62) 4-Bromofluorobenzene	12.575	95	86193	35.580	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 71.160%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	791	Below Cal	#	77
13) Acrolein	3.669	56	57	Below Cal	#	15
16) Acetone	4.034	43	1045	2.956	ug/l	92
20) Methylene Chloride	4.793	84	45165	2.117	ug/l	93
31) Cyclohexane	7.875	56	3566	1.181	ug/l #	44
36) 1,1-Dichloropropene	7.875	75	13531	4.599	ug/l #	50
38) Carbon Tetrachloride	7.875	117	17374	5.617	ug/l #	19
73) Isopropylbenzene	12.563	105	206	3.657	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	43274	57.735	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	43274	110.117	ug/l #	19
83) tert-Butylbenzene	13.163	119	77	3.643	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.210	105	660	3.543	ug/l #	29
86) p-Isopropyltoluene	13.463	119	581	3.976	ug/l #	51
89) n-Butylbenzene	13.786	91	967	3.943	ug/l	89
95) Naphthalene	15.328	128	3188	1.149	ug/l #	91

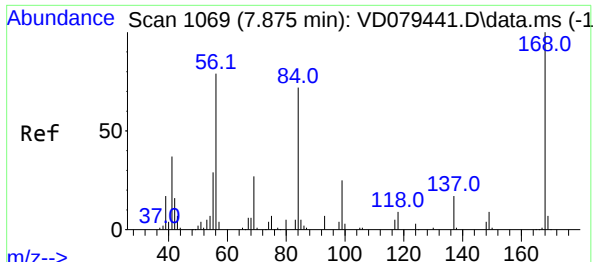
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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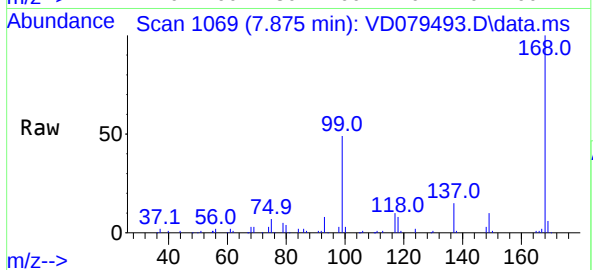
Quant Time: Jul 31 16:02:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
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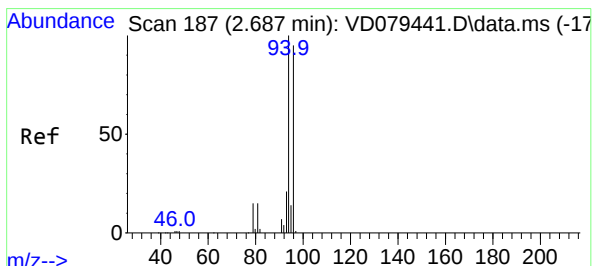
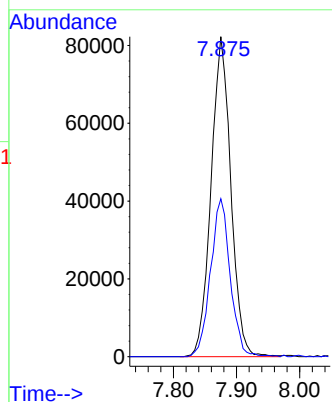
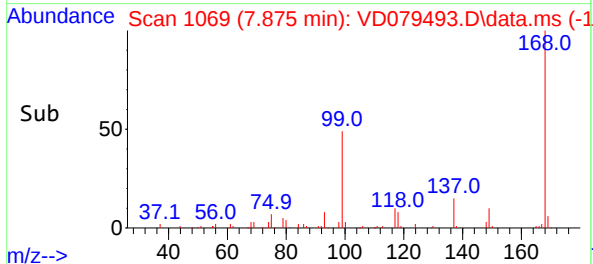


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Instrument :
MSVOA_D
ClientSampleId :
OR-03-07252024

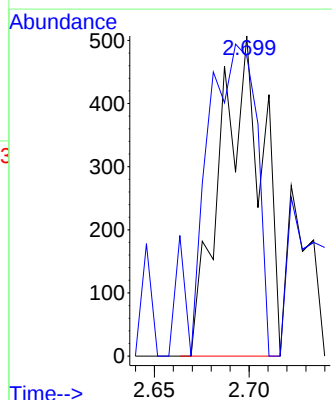
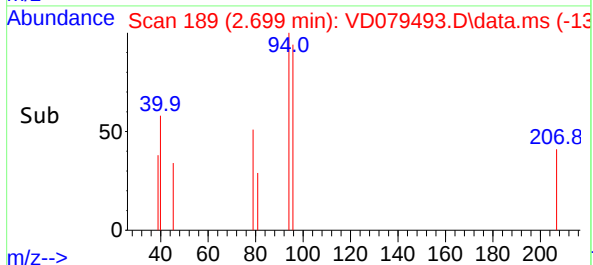
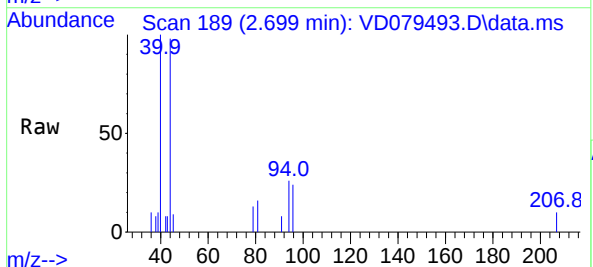


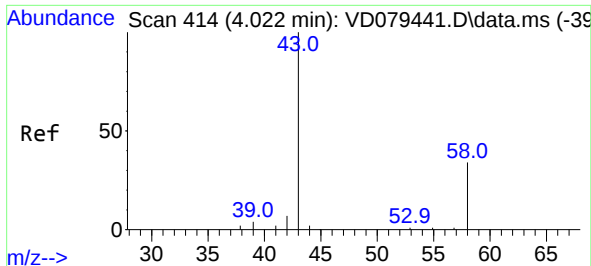
Tgt Ion:168 Resp: 179028
Ion Ratio Lower Upper
168 100
99 49.4 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Tgt Ion: 94 Resp: 791
Ion Ratio Lower Upper
94 100
96 118.3 76.9 115.3#

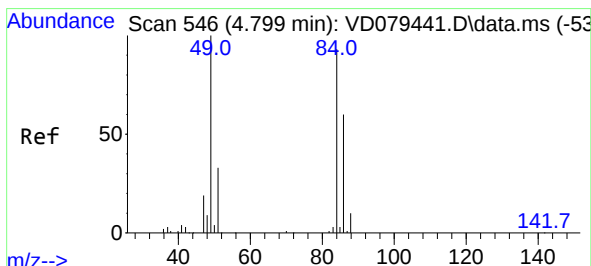
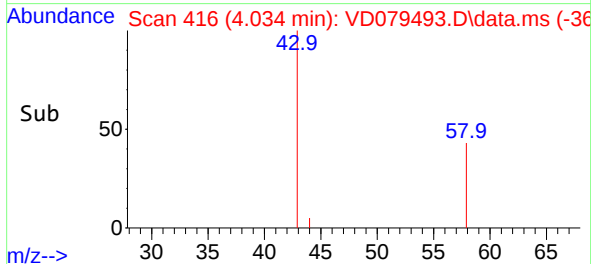
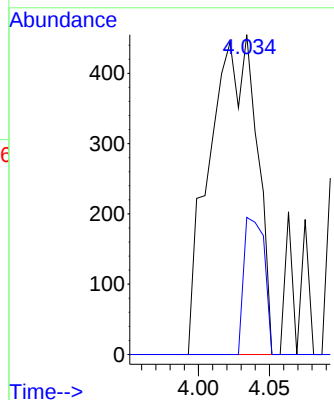
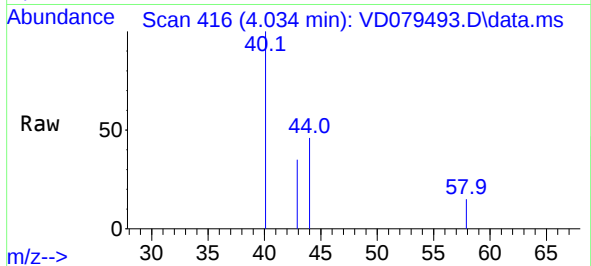




#16
Acetone
Concen: 2.956 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

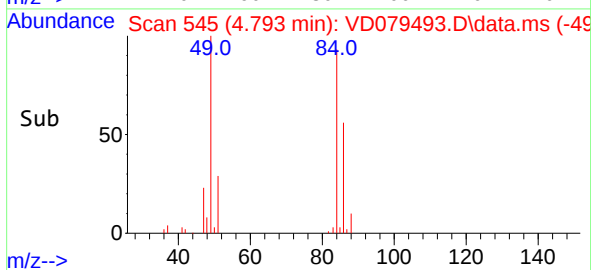
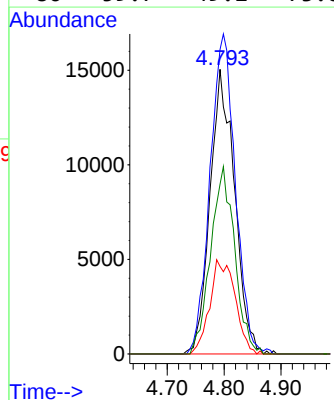
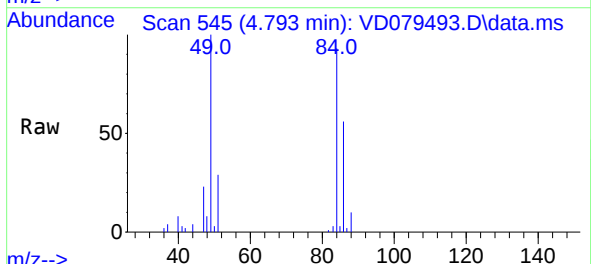
Instrument :
MSVOA_D
ClientSampleId :
OR-03-07252024

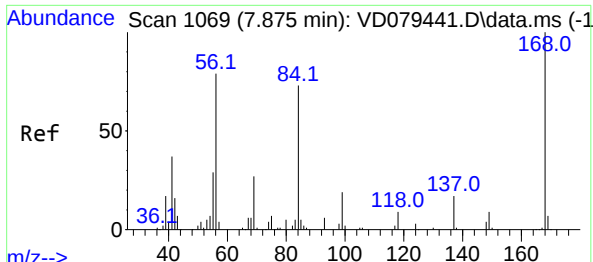
Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
58 42.9 30.4 45.6



#20
Methylene Chloride
Concen: 2.117 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

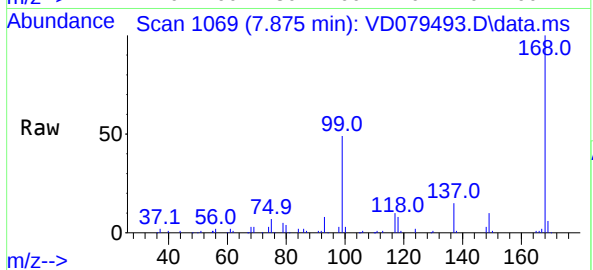
Tgt Ion: 84 Resp: 45165
Ion Ratio Lower Upper
84 100
49 107.0 75.6 113.4
51 30.7 24.2 36.2
86 59.7 49.2 73.8



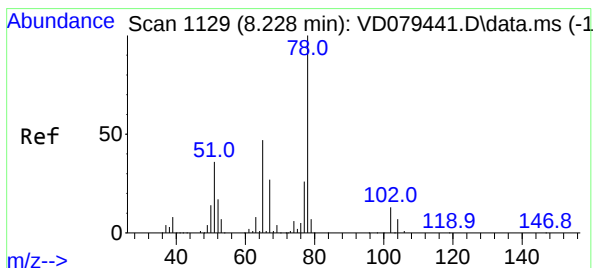
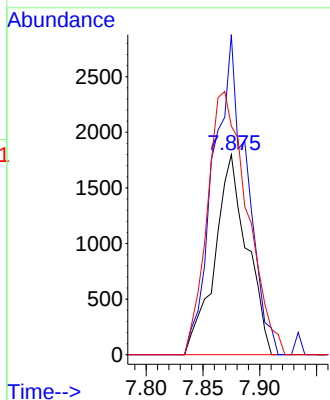
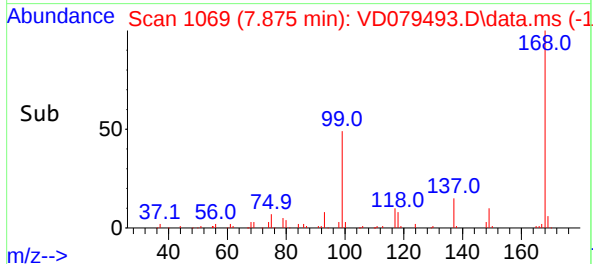


#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Instrument :
MSVOA_D
ClientSampleId :
OR-03-07252024

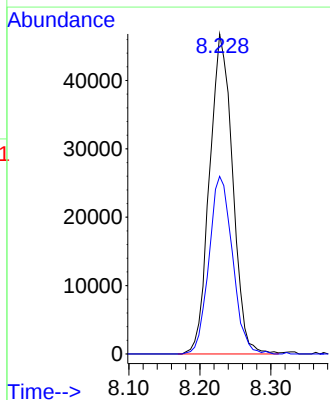
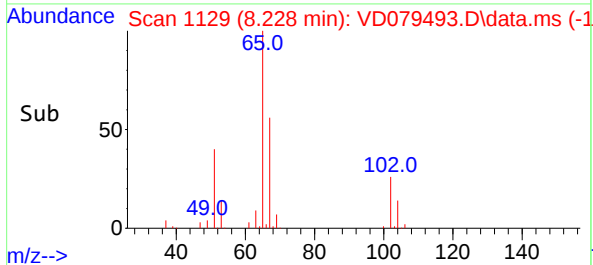
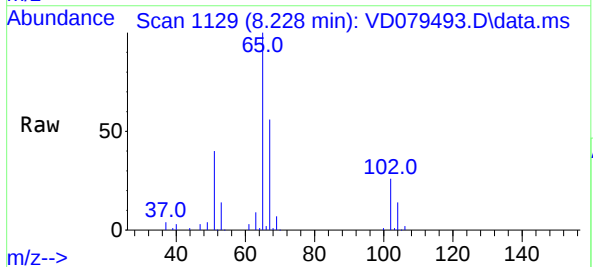


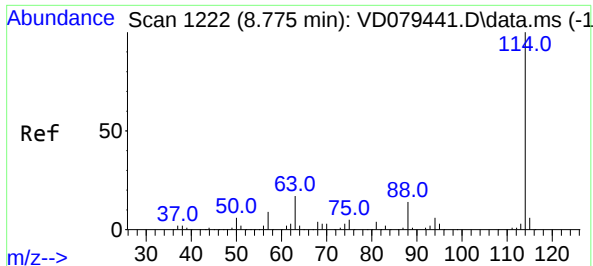
Tgt Ion: 56 Resp: 3566
Ion Ratio Lower Upper
56 100
69 160.0 28.0 42.0#
84 114.3 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 57.986 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Tgt Ion: 65 Resp: 105463
Ion Ratio Lower Upper
65 100
67 56.6 0.0 111.0



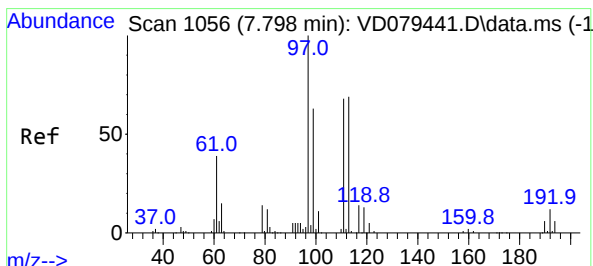
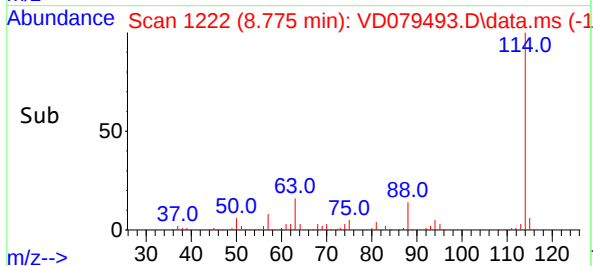
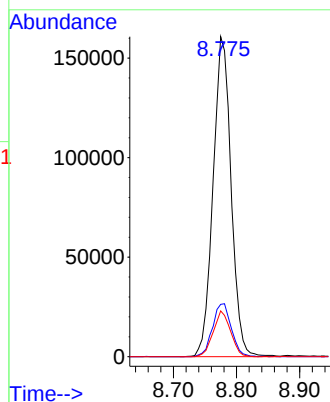
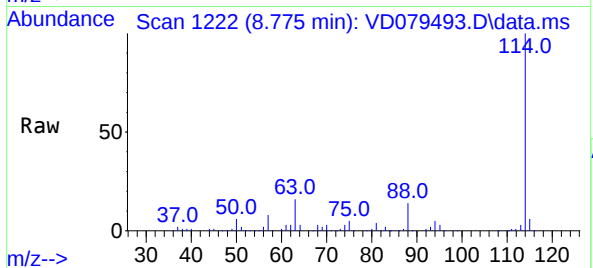


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Instrument :
MSVOA_D
ClientSampleId :
OR-03-07252024

Tgt Ion:114 Resp: 318489

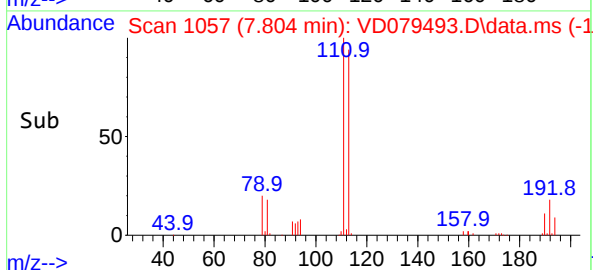
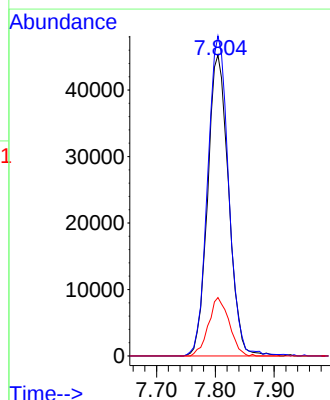
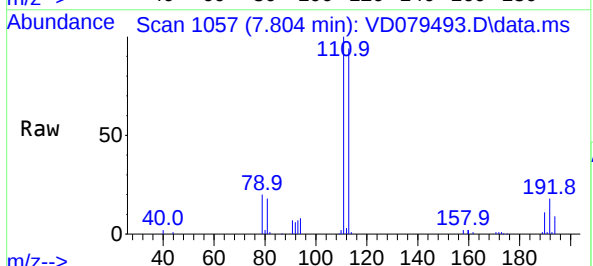
Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	34.0
88	14.3	0.0	27.2

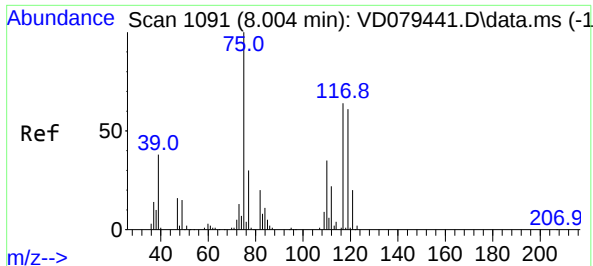


#35
Dibromofluoromethane
Concen: 51.950 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Tgt Ion:113 Resp: 111988

Ion	Ratio	Lower	Upper
113	100		
111	106.4	84.0	126.0
192	19.2	15.4	23.0

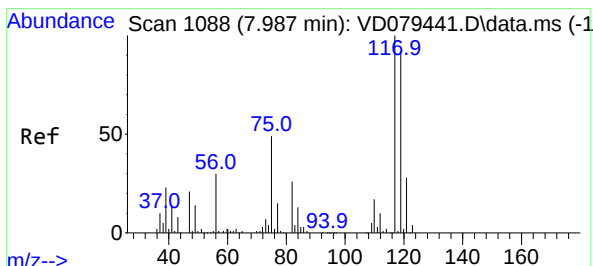
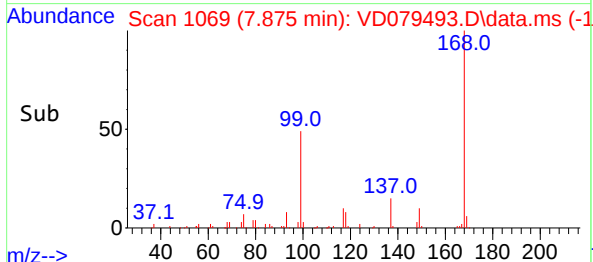
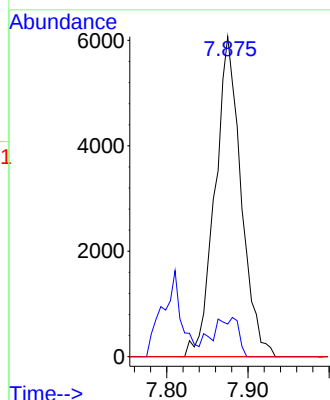
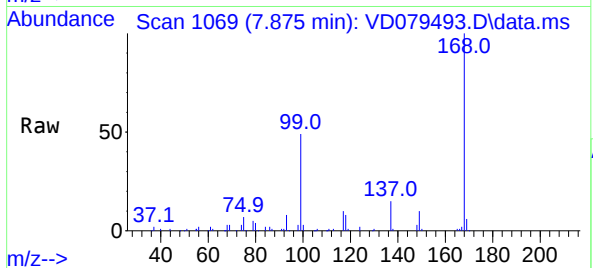




#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

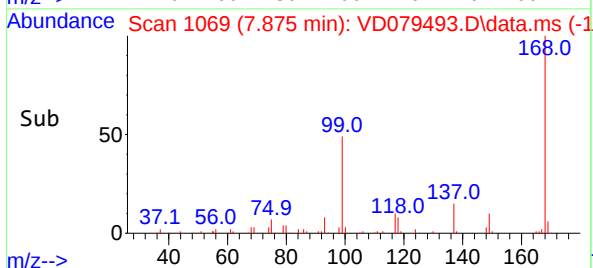
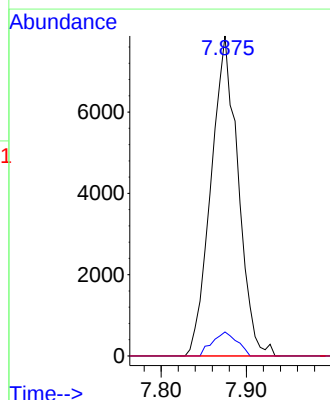
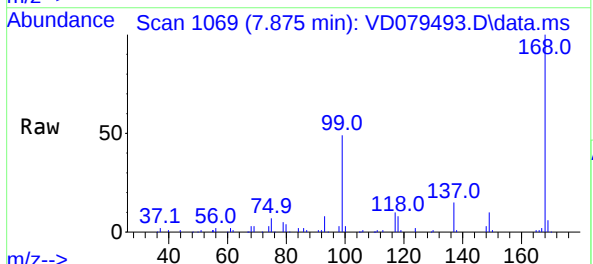
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MSVOA_D
ClientSampleId :
OR-03-07252024

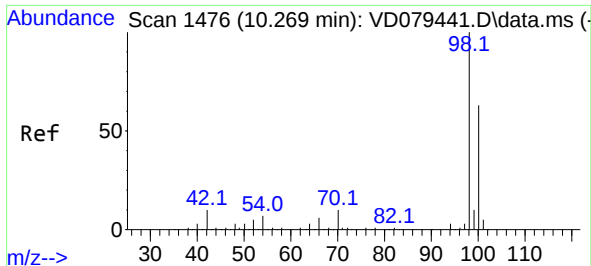
Tgt Ion: 75 Resp: 13531
Ion Ratio Lower Upper
75 100
110 12.3 19.6 58.7#
77 0.0 26.1 39.1#



#38
Carbon Tetrachloride
Concen: 5.617 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Tgt Ion: 117 Resp: 17374
Ion Ratio Lower Upper
117 100
119 7.5 75.4 113.0#
121 0.0 25.0 37.4#

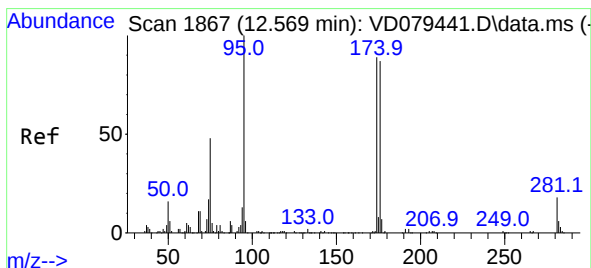
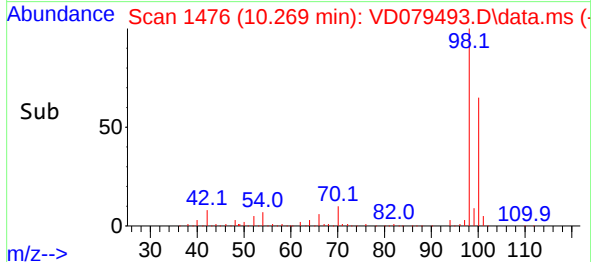
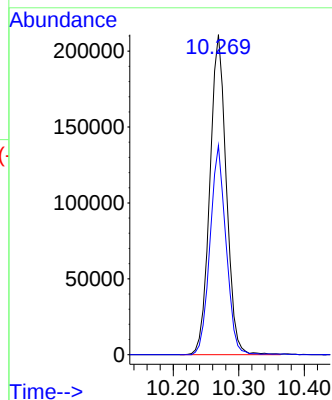
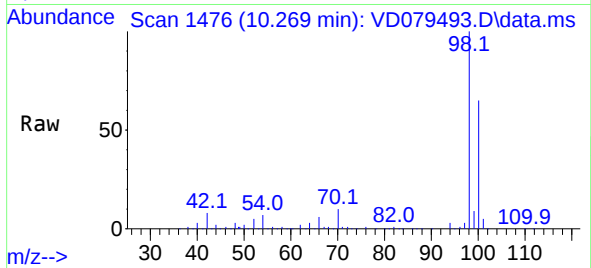




#50
Toluene-d8
Concen: 43.922 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

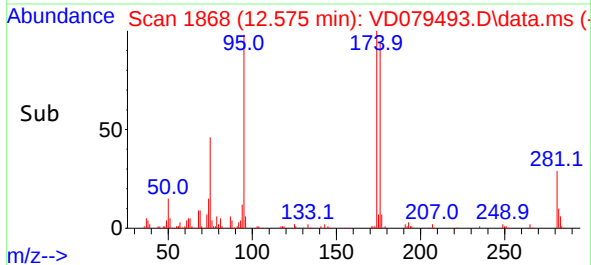
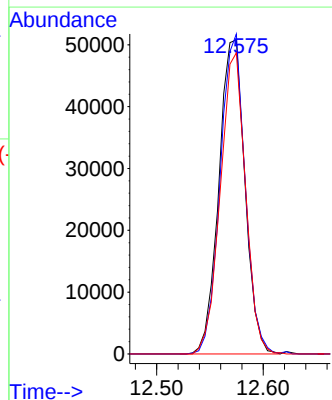
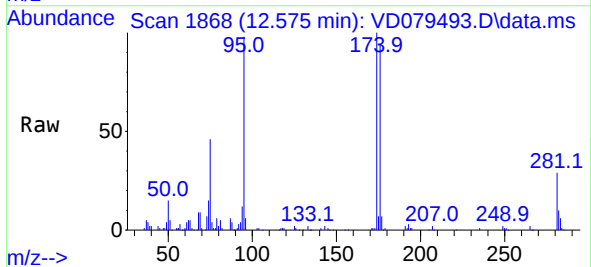
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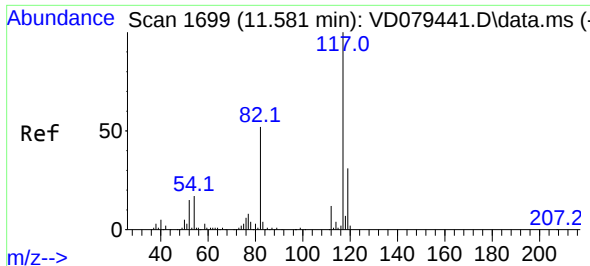
Tgt Ion: 98 Resp: 367686
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 35.580 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Tgt Ion: 95 Resp: 86193
Ion Ratio Lower Upper
95 100
174 97.3 0.0 195.4
176 92.7 0.0 192.6

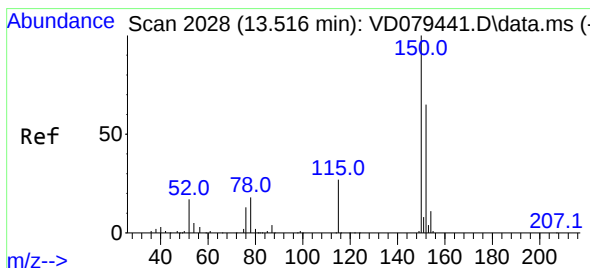
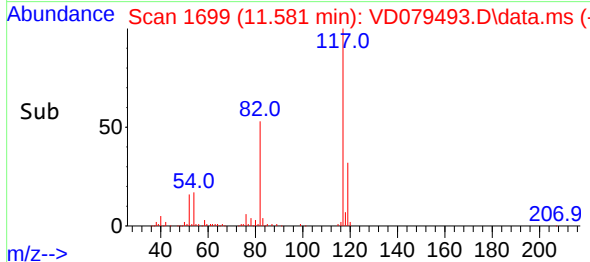
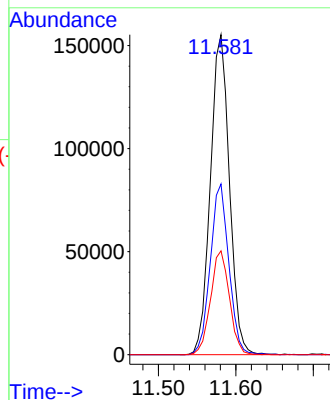
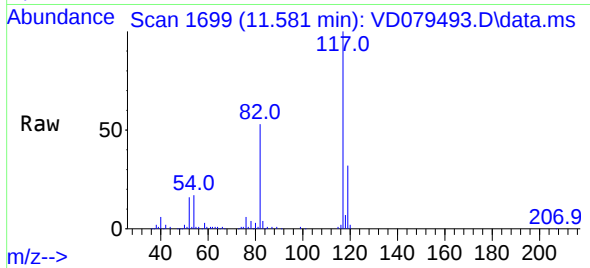




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

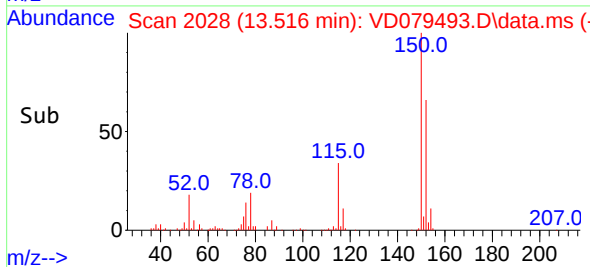
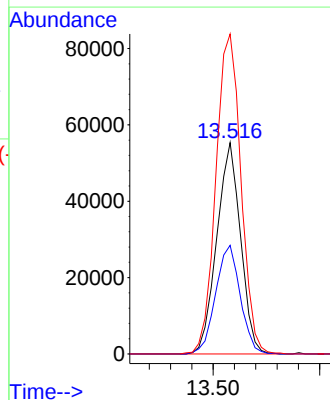
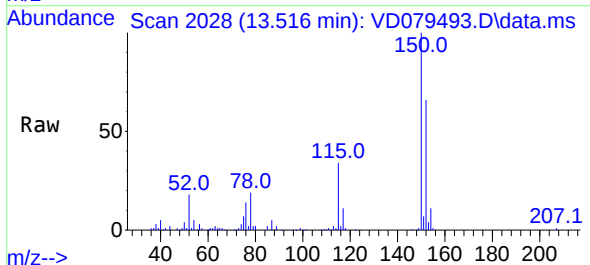
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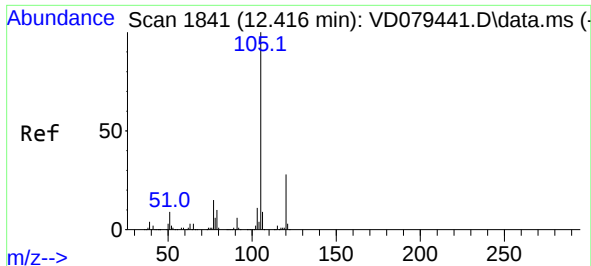
Tgt Ion:117	Resp:	265066
Ion	Ratio	Lower Upper
117	100	
82	53.3	39.8 59.6
119	32.5	25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Tgt Ion:152	Resp:	85748
Ion	Ratio	Lower Upper
152	100	
115	53.2	26.5 79.5
150	159.4	0.0 341.6

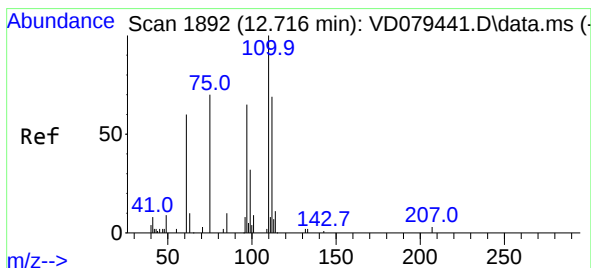
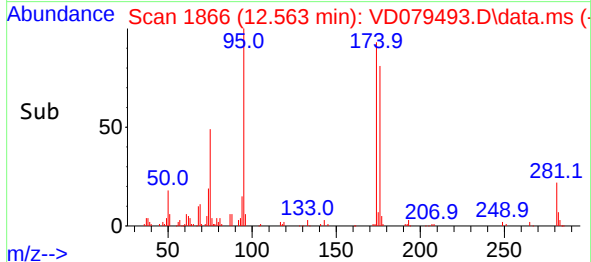
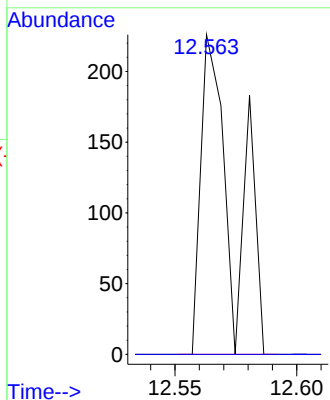
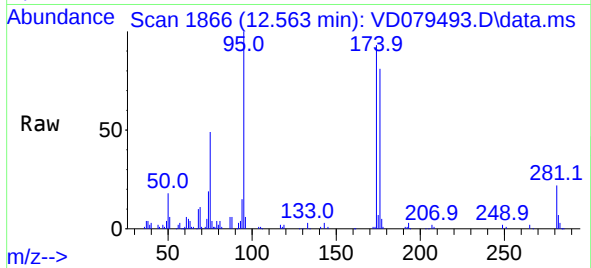




#73
Isopropylbenzene
Concen: 3.657 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.147 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

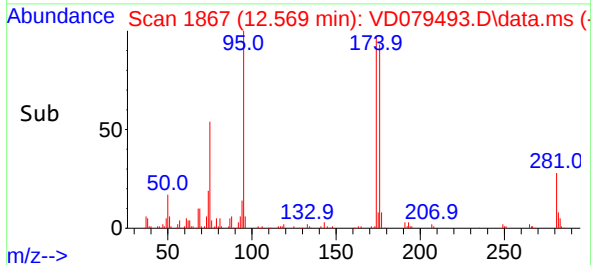
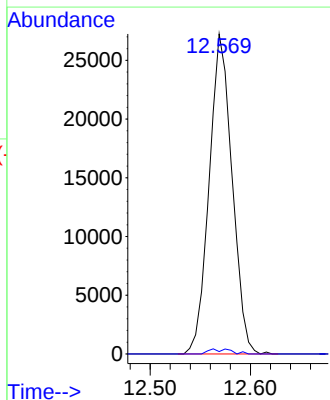
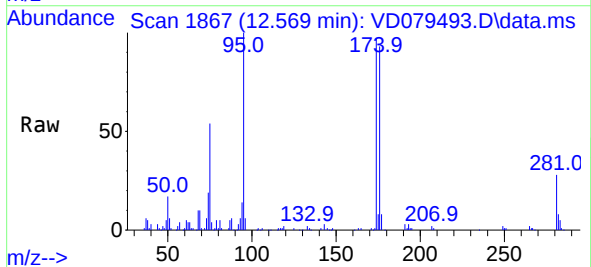
Instrument :
MSVOA_D
ClientSampleId :
OR-03-07252024

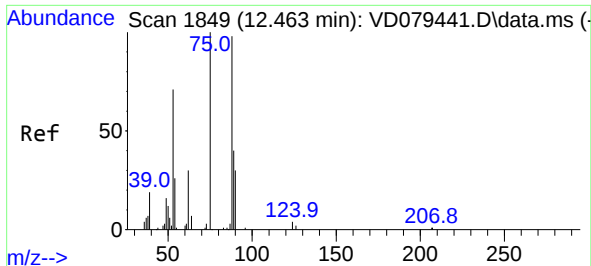
Tgt Ion:105 Resp: 206
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



#76
1,2,3-Trichloropropane
Concen: 57.735 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Tgt Ion: 75 Resp: 43274
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

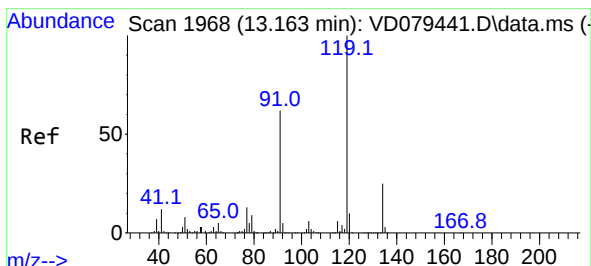
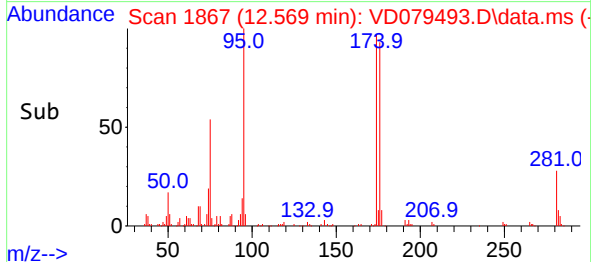
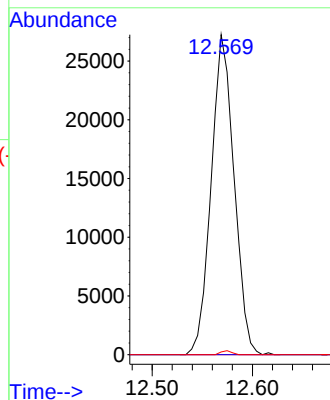
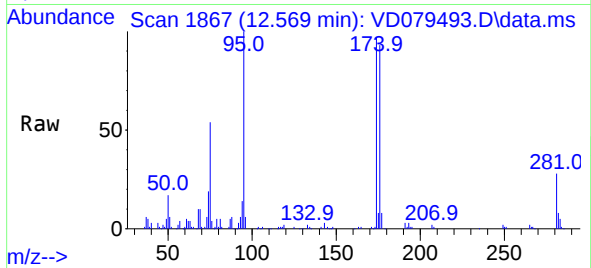




#81
trans-1,4-Dichloro-2-butene
Concen: 110.117 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

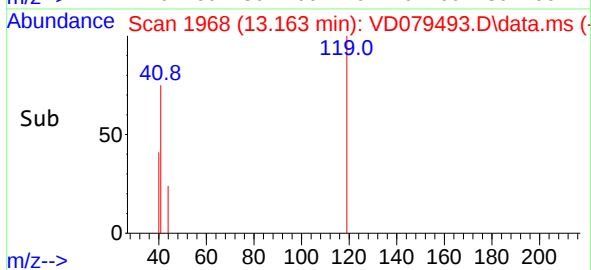
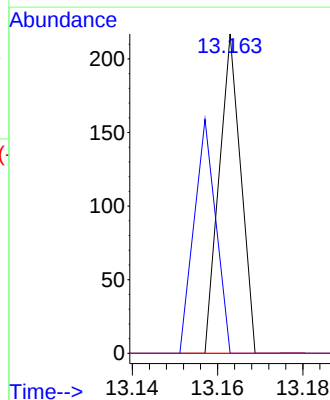
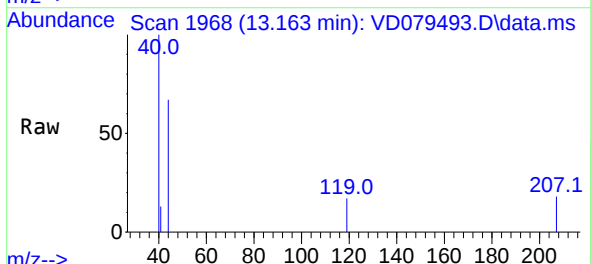
Instrument :
MSVOA_D
ClientSampleId :
OR-03-07252024

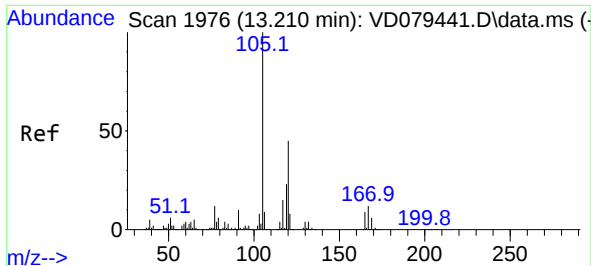
Tgt Ion:	75	Resp:	43274
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.6	35.4	53.0#



#83
tert-Butylbenzene
Concen: 3.643 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.000 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Tgt Ion:	119	Resp:	77
Ion	Ratio	Lower	Upper
119	100		
91	72.7	28.2	84.7
134	0.0	13.4	40.1#

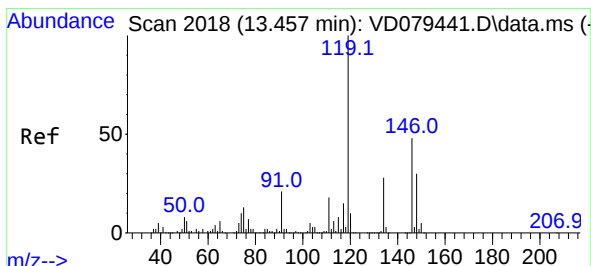
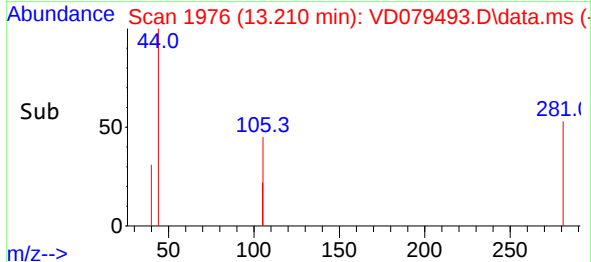
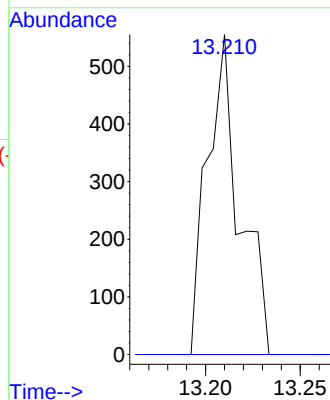
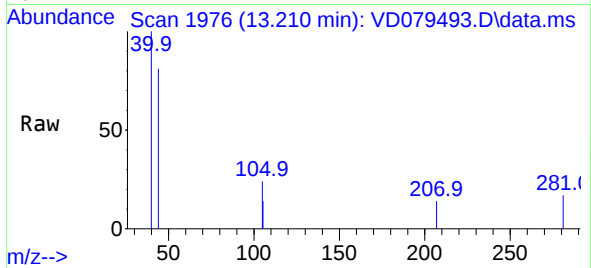




#84
1,2,4-Trimethylbenzene
Concen: 3.543 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

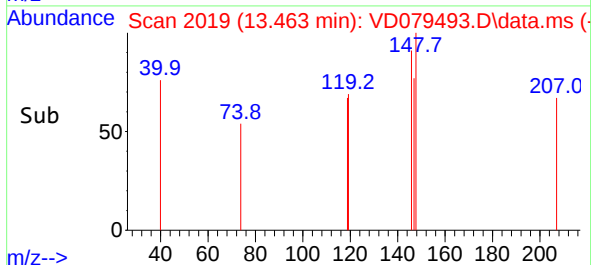
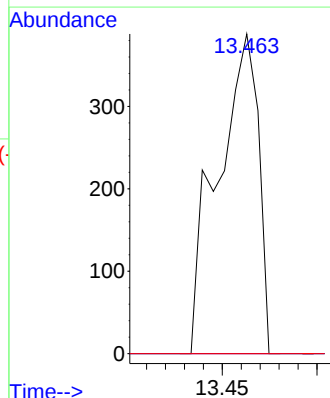
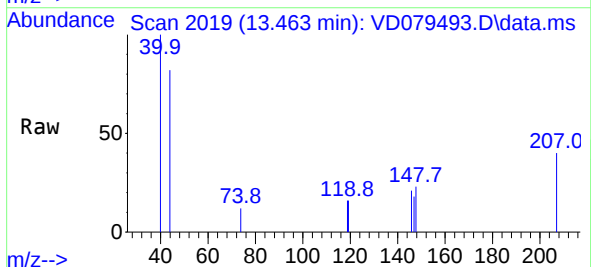
Instrument :
MSVOA_D
ClientSampleId :
OR-03-07252024

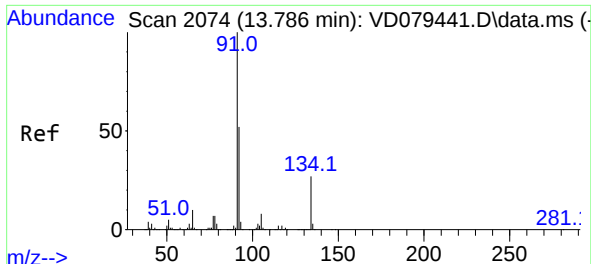
Tgt Ion:105 Resp: 660
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



#86
p-Isopropyltoluene
Concen: 3.976 ug/l
RT: 13.463 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VD079493.D
Acq: 31 Jul 2024 13:38

Tgt Ion:119 Resp: 581
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#





#89

n-Butylbenzene

Concen: 3.943 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. 0.005 min

Lab File: VD079493.D

Acq: 31 Jul 2024 13:38

Instrument :

MSVOA_D

ClientSampleId :

OR-03-07252024

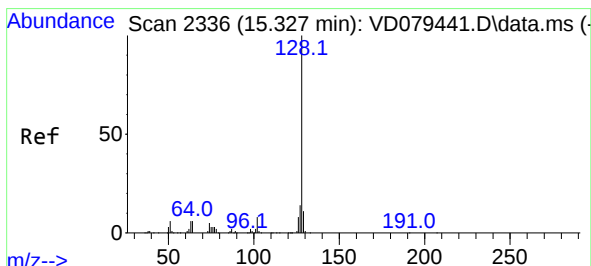
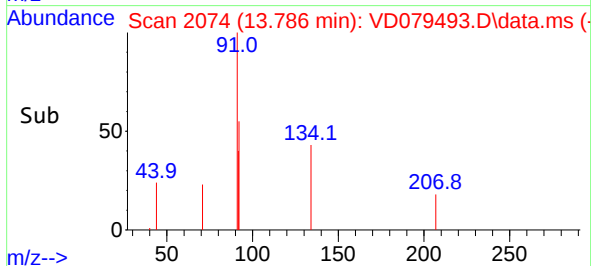
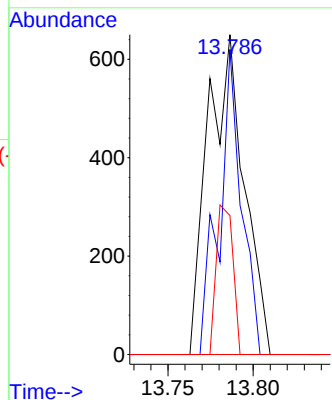
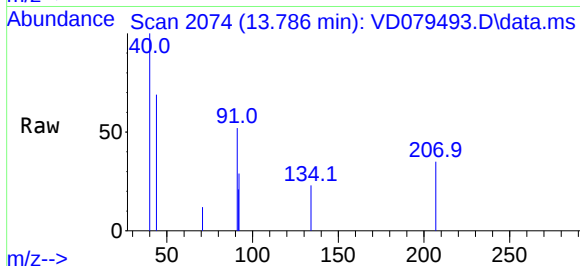
Tgt Ion: 91 Resp: 967

Ion Ratio Lower Upper

91 100

92 58.4 25.7 77.0

134 21.4 13.6 40.8



#95

Naphthalene

Concen: 1.149 ug/l

RT: 15.328 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VD079493.D

Acq: 31 Jul 2024 13:38

Tgt Ion:128 Resp: 3188

Ion Ratio Lower Upper

128 100

127 17.0 10.2 15.4#

129 13.5 8.5 12.7#

