

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079589.D
 Acq On : 05 Aug 2024 19:06
 Operator : RP/MD
 Sample : P3448-05
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 02:49:11 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)

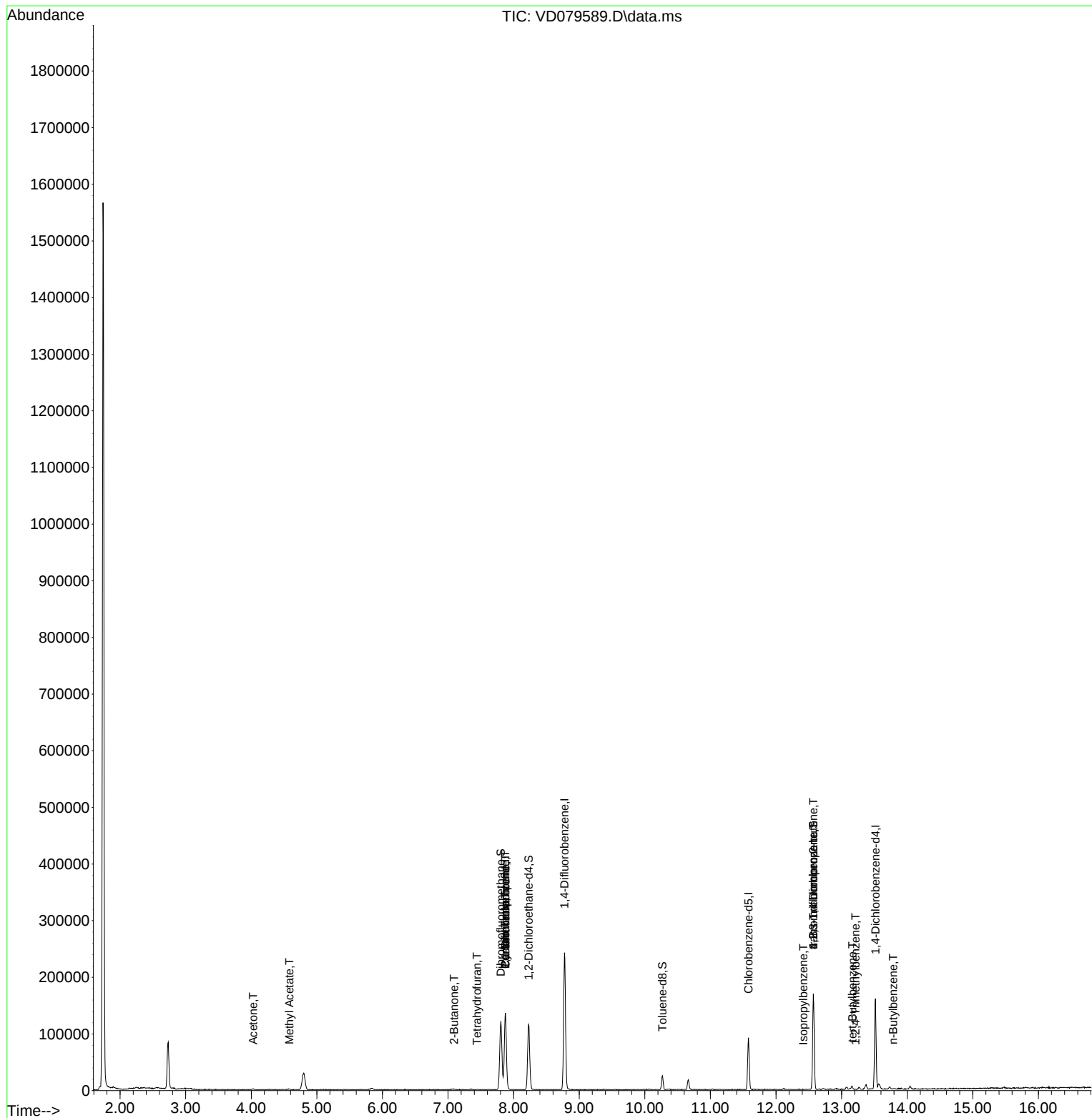
Internal Standards						
1) Pentafluorobenzene	7.875	168	104535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	219705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	52687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	44681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	87437	82.334	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.660%#	
35) Dibromofluoromethane	7.805	113	88137	59.269	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.540%	
50) Toluene-d8	10.269	98	18205	3.152	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 6.300%#	
62) 4-Bromofluorobenzene	12.569	95	46434	27.786	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 55.580%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	282	Below Cal		97
11) Tert butyl alcohol	5.058	59	125	Below Cal	#	86
16) Acetone	4.028	43	2634	12.762	ug/l #	58
18) Methyl Acetate	4.581	43	2714	4.235	ug/l #	58
20) Methylene Chloride	4.799	84	23899	Below Cal	#	93
25) 2-Butanone	7.093	43	708	2.420	ug/l #	42
29) Tetrahydrofuran	7.440	42	312	1.721	ug/l #	21
31) Cyclohexane	7.875	56	2289	1.298	ug/l #	60
36) 1,1-Dichloropropene	7.875	75	8336	4.107	ug/l #	47
38) Carbon Tetrachloride	7.875	117	10218	4.789	ug/l #	16
73) Isopropylbenzene	12.416	105	72	3.648	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	22694	58.107	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	22694	110.825	ug/l #	19
83) tert-Butylbenzene	13.163	119	59	3.651	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.210	105	233	3.506	ug/l #	1
89) n-Butylbenzene	13.787	91	61	3.802	ug/l #	34

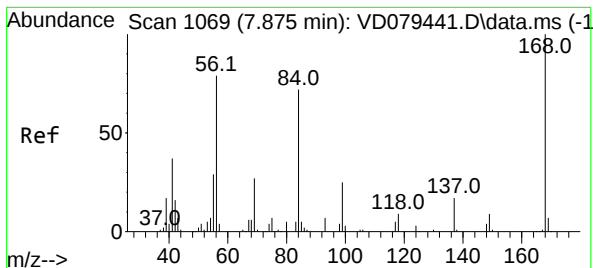
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 06 02:49:11 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

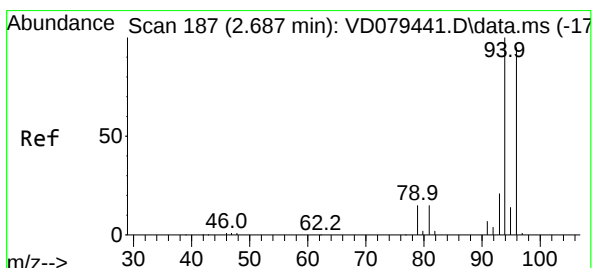
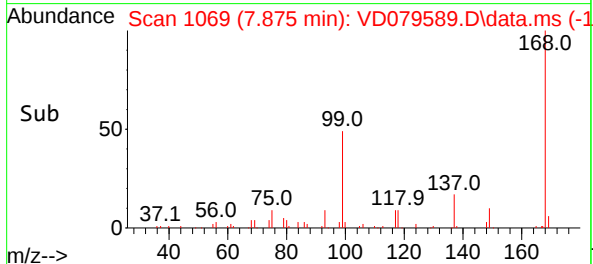
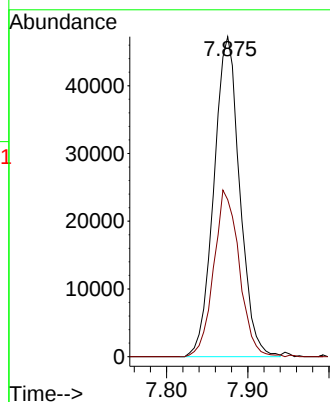
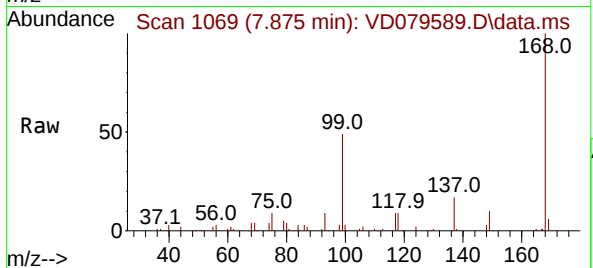




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

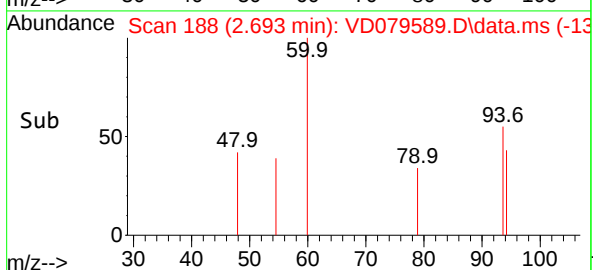
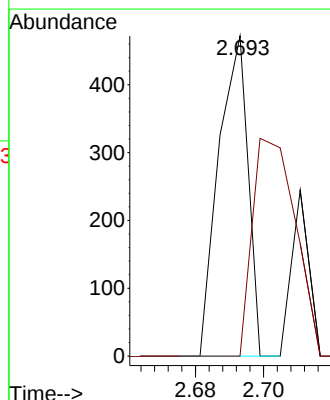
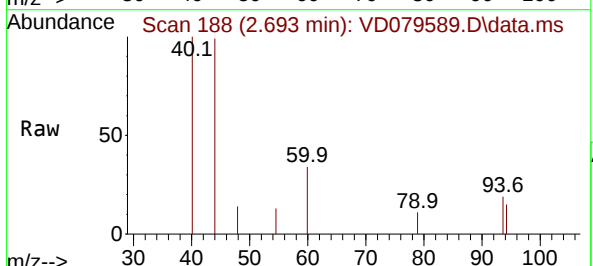
Instrument :
MSVOA_D
ClientSampleId :

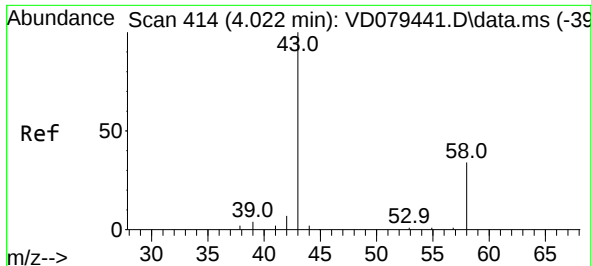
Tgt Ion:168 Resp: 104535
Ion Ratio Lower Upper
168 100
99 49.0 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

Tgt Ion: 94 Resp: 282
Ion Ratio Lower Upper
94 100
96 99.3 76.9 115.3

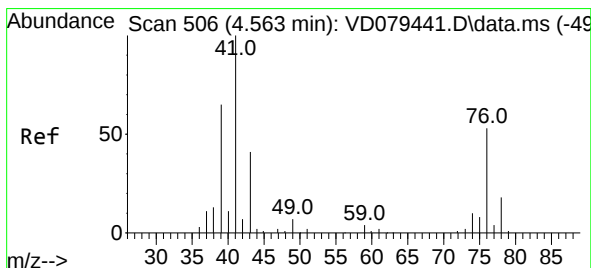
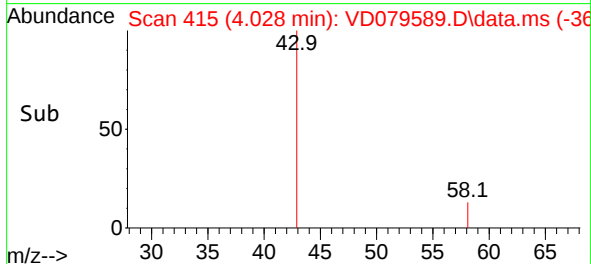
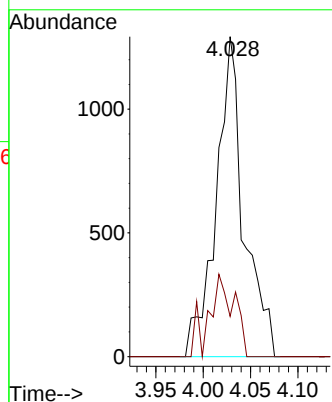
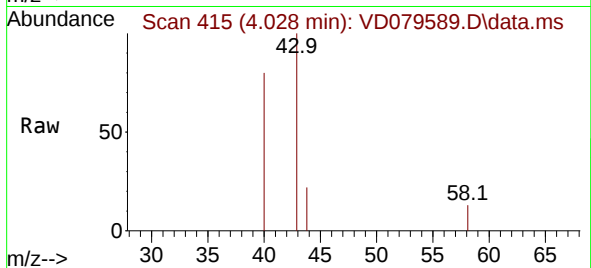




#16
Acetone
Concen: 12.762 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

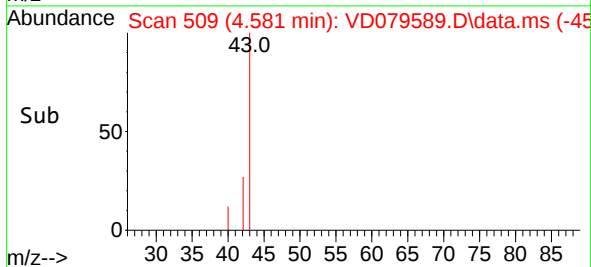
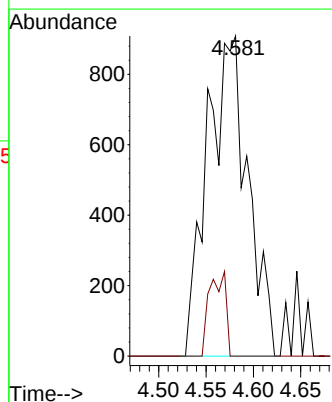
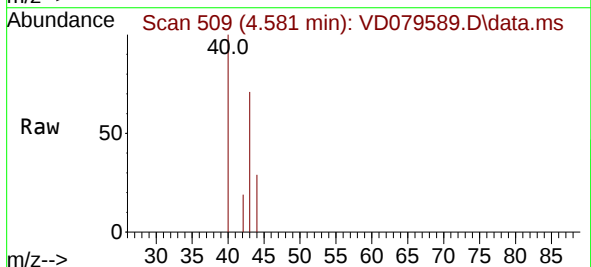
Instrument :
MSVOA_D
ClientSampleId :

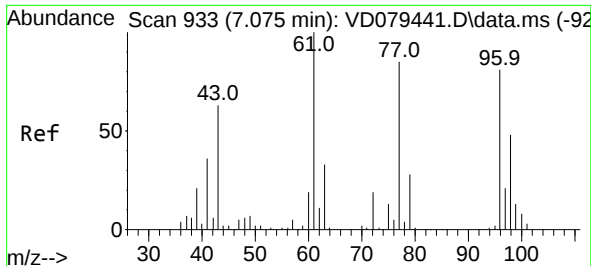
Tgt Ion: 43 Resp: 2634
Ion Ratio Lower Upper
43 100
58 12.6 30.4 45.6#



#18
Methyl Acetate
Concen: 4.235 ug/l
RT: 4.581 min Scan# 509
Delta R.T. 0.012 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

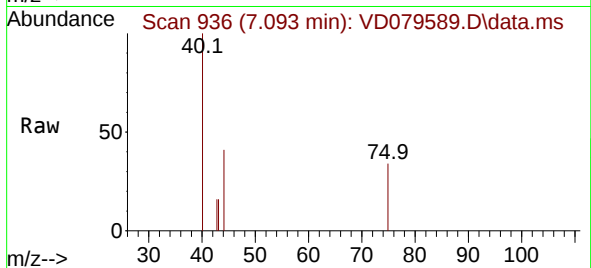
Tgt Ion: 43 Resp: 2714
Ion Ratio Lower Upper
43 100
74 10.6 28.1 42.1#



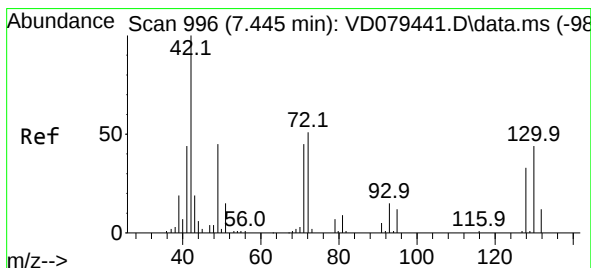
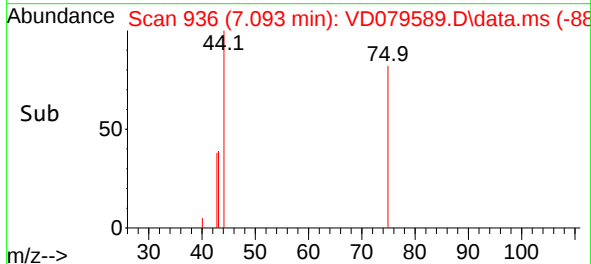
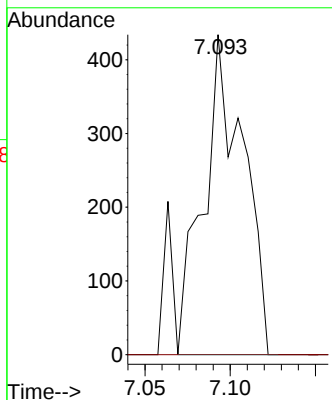


#25
2-Butanone
Concen: 2.420 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

Instrument :
MSVOA_D
ClientSampleId :

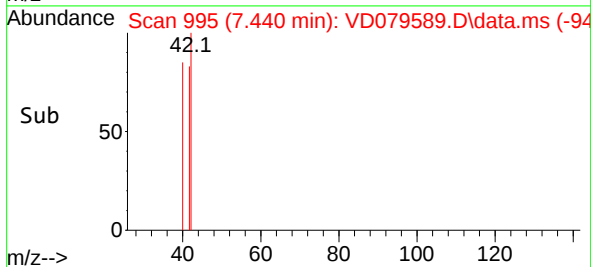
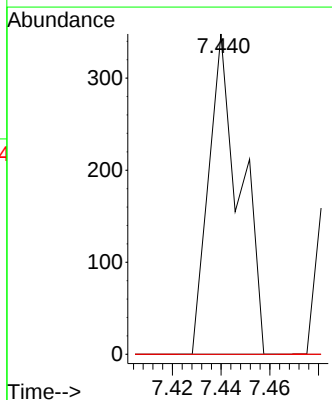
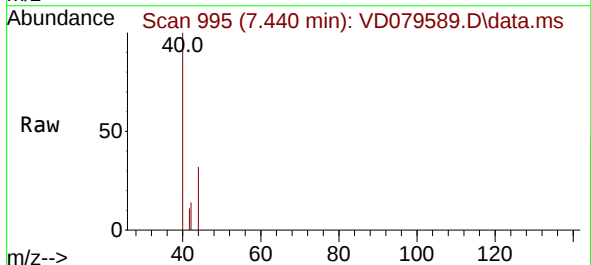


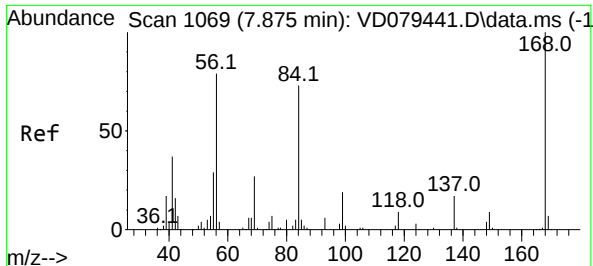
Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



#29
Tetrahydrofuran
Concen: 1.721 ug/l
RT: 7.440 min Scan# 995
Delta R.T. -0.006 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

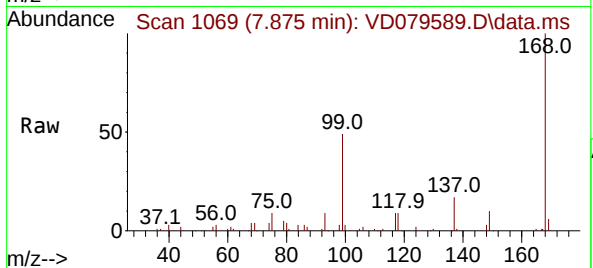
Tgt Ion: 42 Resp: 312
Ion Ratio Lower Upper
42 100
72 0.0 49.4 74.0#
71 0.0 45.0 67.6#



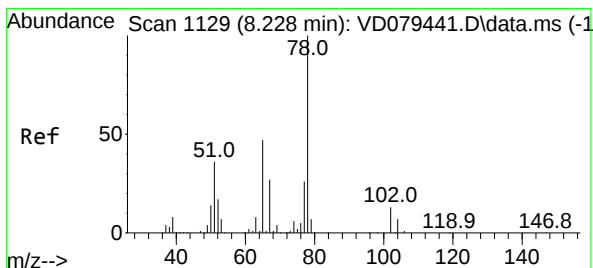
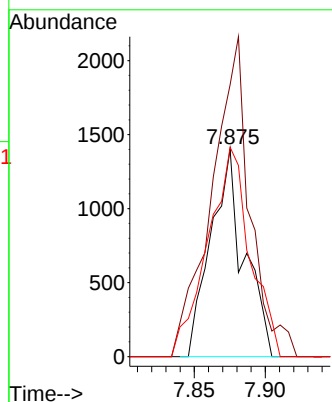
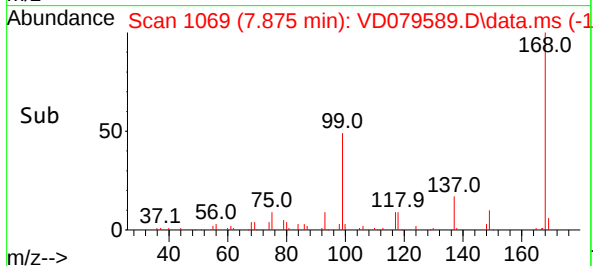


#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

Instrument :
MSVOA_D
ClientSampleId :

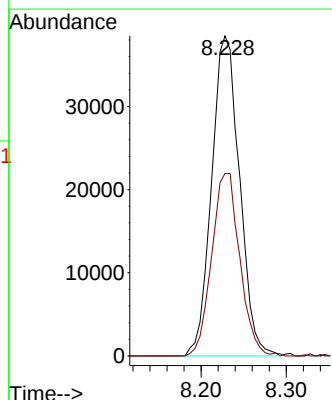
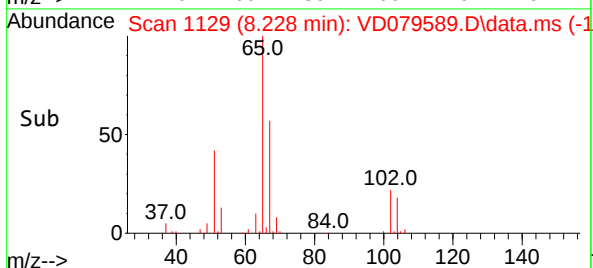
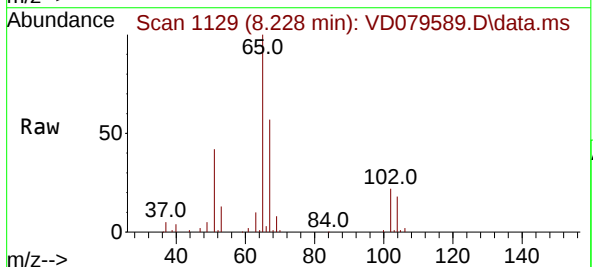


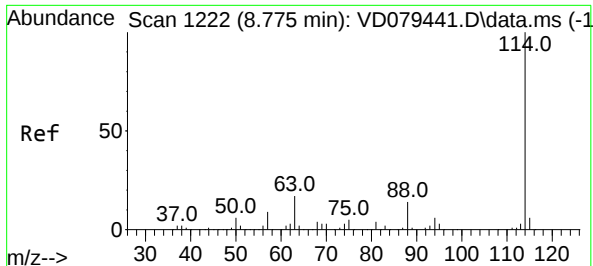
Tgt Ion: 56 Resp: 2289
Ion Ratio Lower Upper
56 100
69 115.8 28.0 42.0#
84 100.9 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 82.334 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

Tgt Ion: 65 Resp: 87437
Ion Ratio Lower Upper
65 100
67 57.5 0.0 111.0

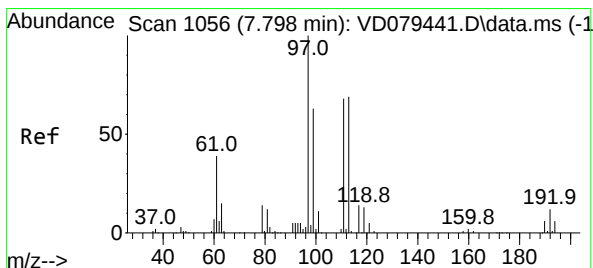
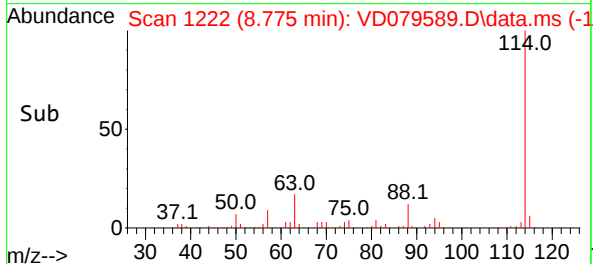
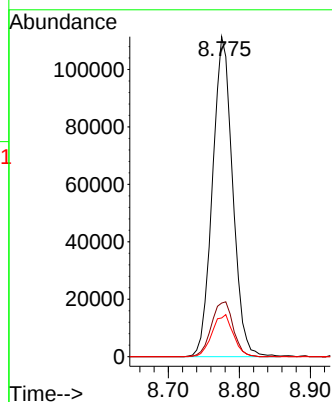
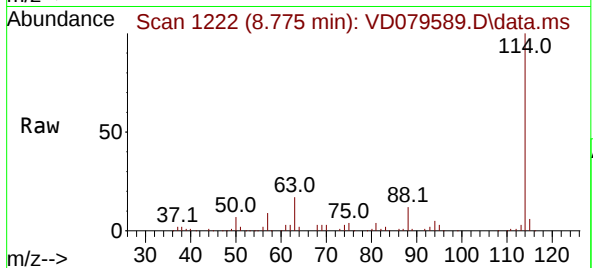




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

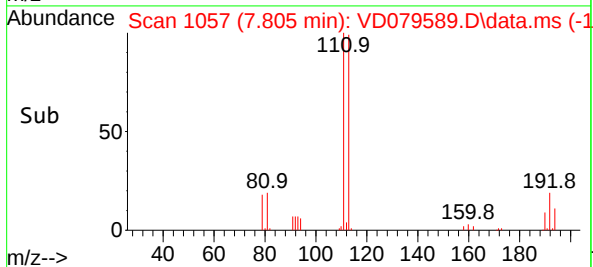
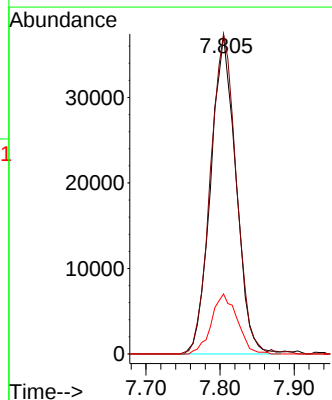
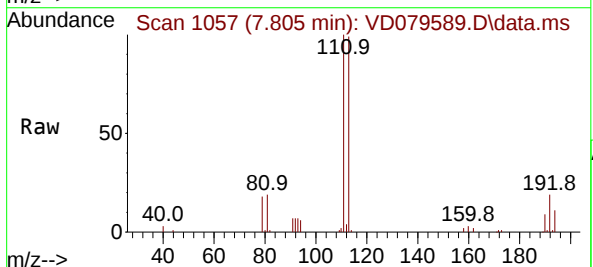
Instrument :
MSVOA_D
ClientSampleId :

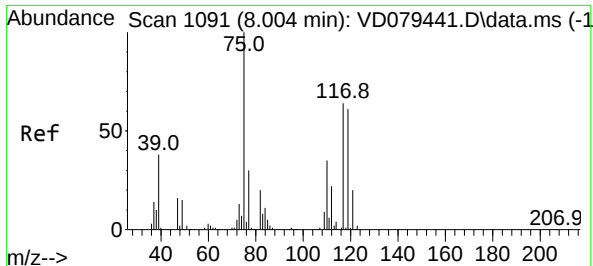
Tgt Ion:114 Resp: 219705
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.0
88 12.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 59.269 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

Tgt Ion:113 Resp: 88137
Ion Ratio Lower Upper
113 100
111 103.2 84.0 126.0
192 19.2 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.107 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

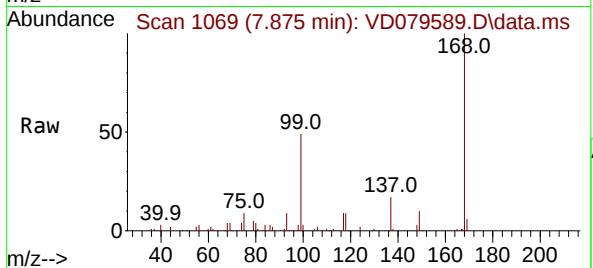
Lab File: VD079589.D

Acq: 05 Aug 2024 19:06

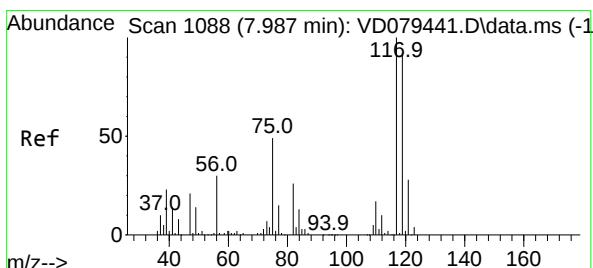
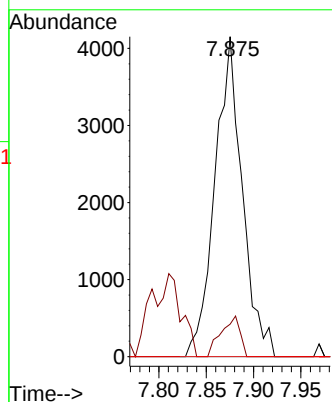
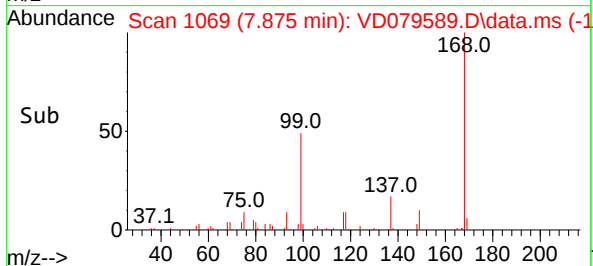
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 8336
Ion Ratio	Lower Upper
75	100
110	8.8 19.6 58.7#
77	0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.789 ug/l

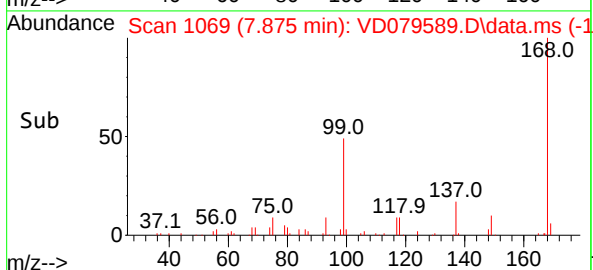
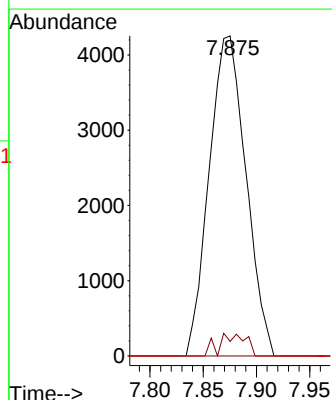
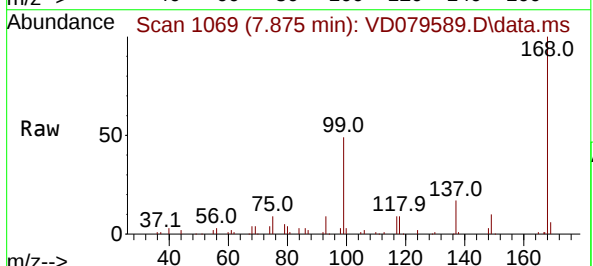
RT: 7.875 min Scan# 1069

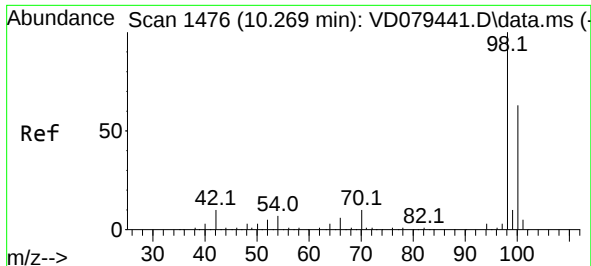
Delta R.T. -0.112 min

Lab File: VD079589.D

Acq: 05 Aug 2024 19:06

Tgt Ion: 117	Resp: 10218
Ion Ratio	Lower Upper
117	100
119	4.5 75.4 113.0#
121	0.0 25.0 37.4#

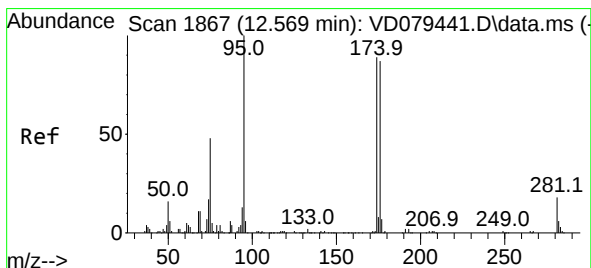
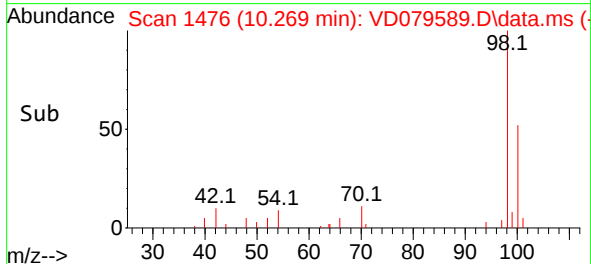
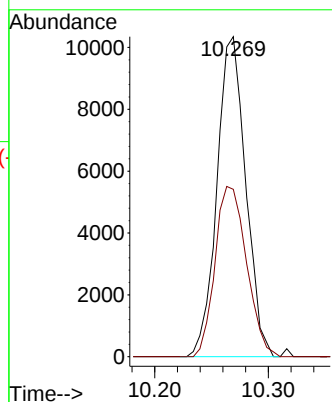
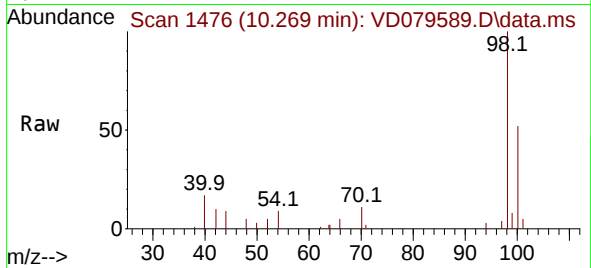




#50
Toluene-d8
Concen: 3.152 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

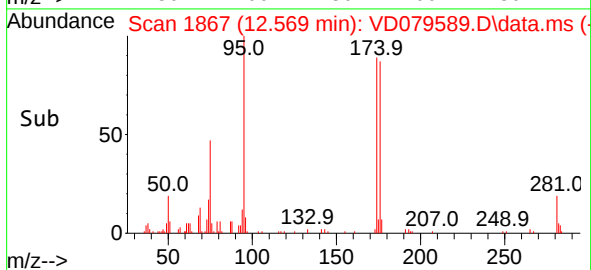
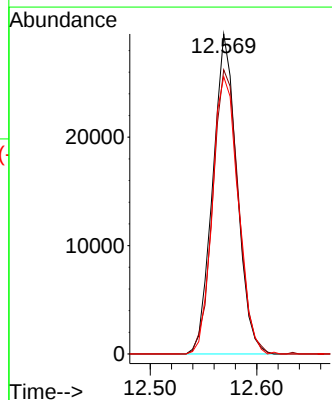
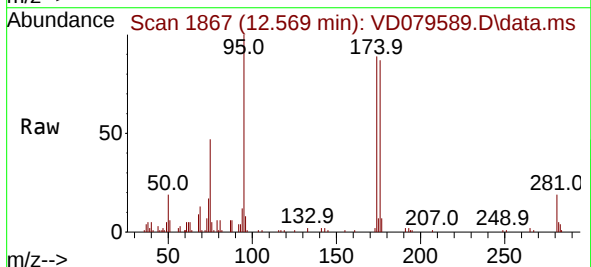
Instrument :
MSVOA_D
ClientSampleId :

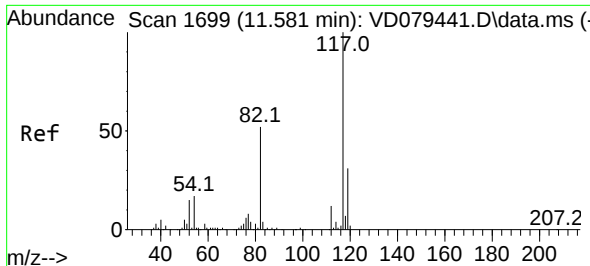
Tgt Ion: 98 Resp: 18205
Ion Ratio Lower Upper
98 100
100 58.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 27.786 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

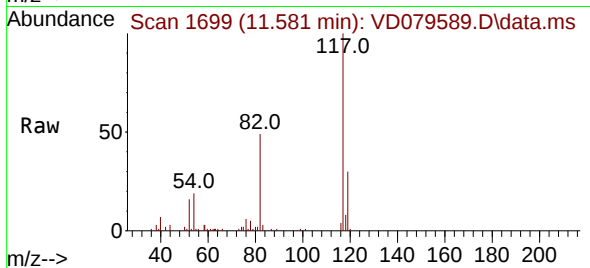
Tgt Ion: 95 Resp: 46434
Ion Ratio Lower Upper
95 100
174 94.3 0.0 195.4
176 92.7 0.0 192.6



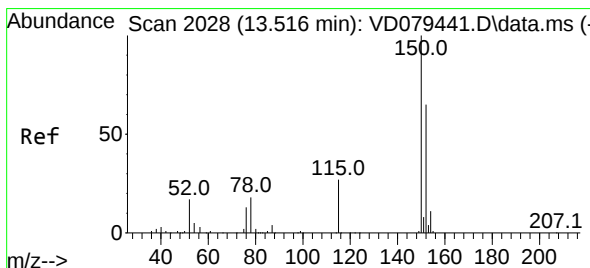
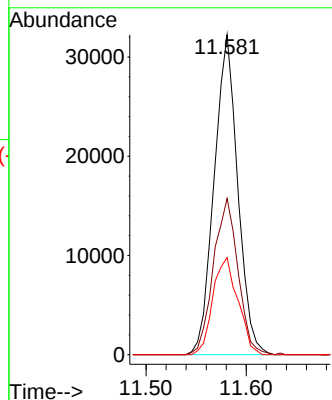
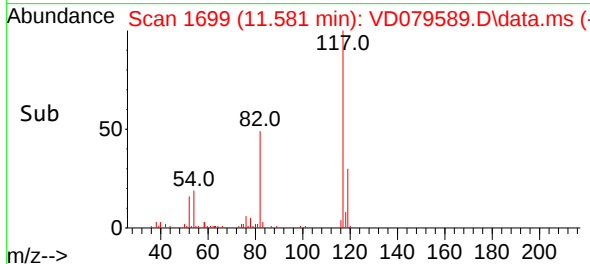


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

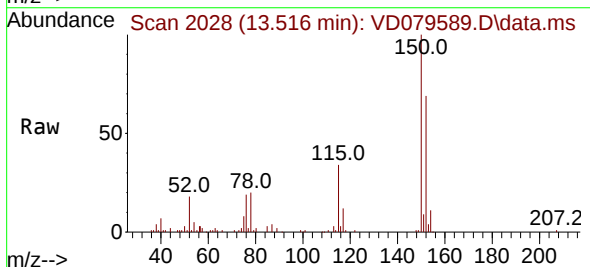
Instrument :
MSVOA_D
ClientSampleId :



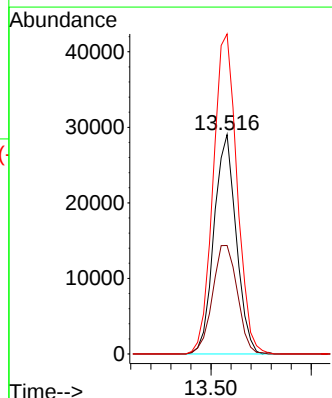
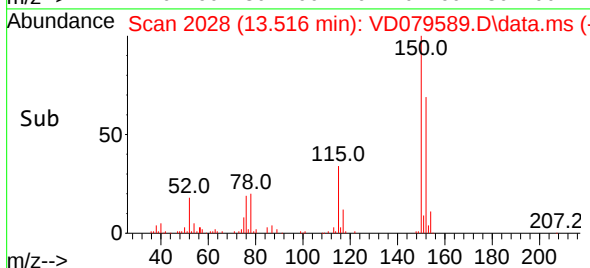
Tgt Ion:117 Resp: 52687
Ion Ratio Lower Upper
117 100
82 48.8 39.8 59.6
119 30.3 25.7 38.5

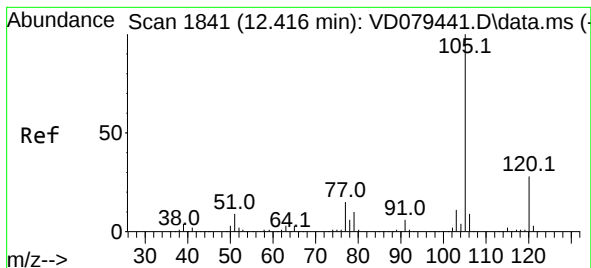


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06



Tgt Ion:152 Resp: 44681
Ion Ratio Lower Upper
152 100
115 55.3 26.5 79.5
150 156.4 0.0 341.6





#73

Isopropylbenzene

Concen: 3.648 ug/l

RT: 12.416 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VD079589.D

Acq: 05 Aug 2024 19:06

Instrument :

MSVOA_D

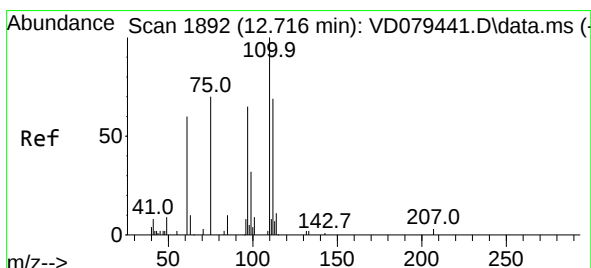
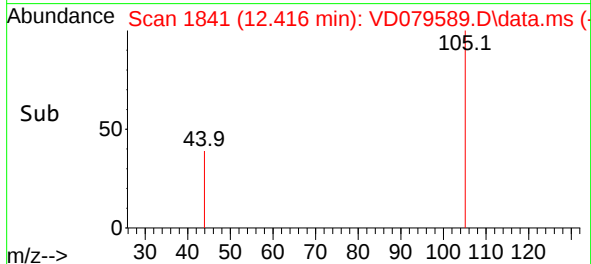
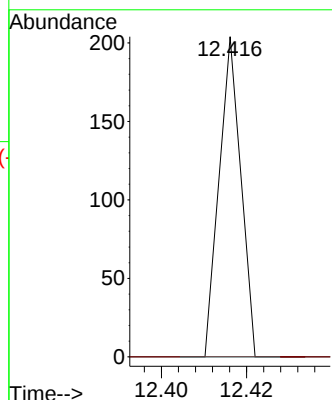
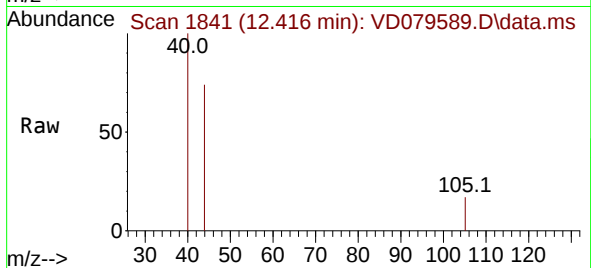
ClientSampleId :

Tgt Ion:105 Resp: 72

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 58.107 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079589.D

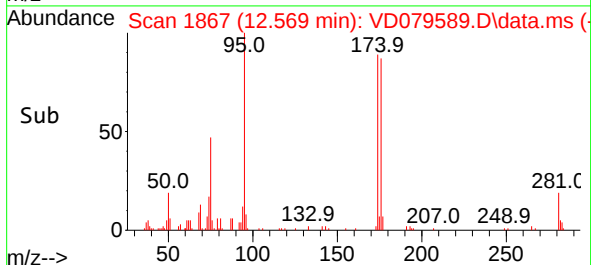
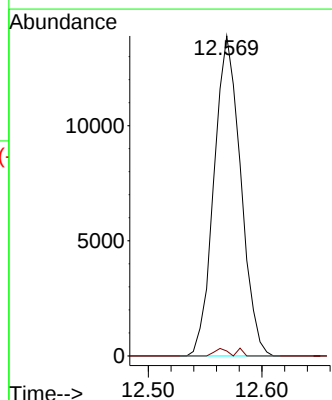
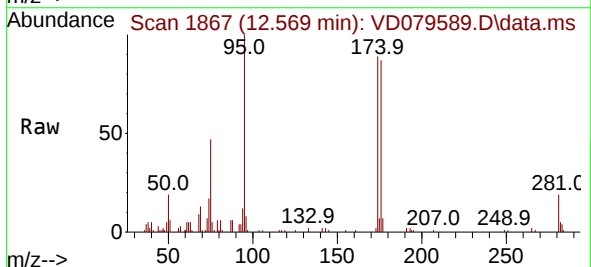
Acq: 05 Aug 2024 19:06

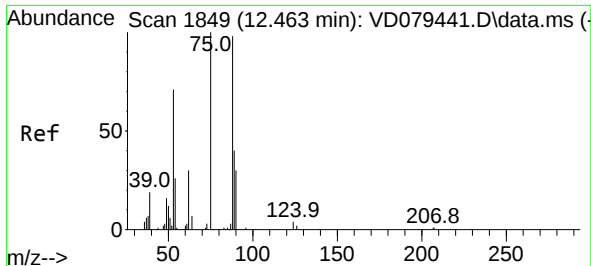
Tgt Ion: 75 Resp: 22694

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

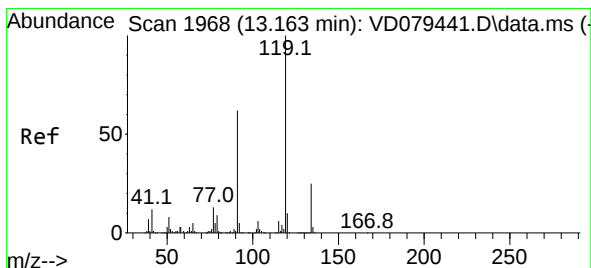
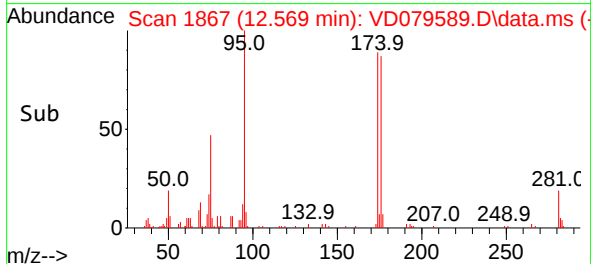
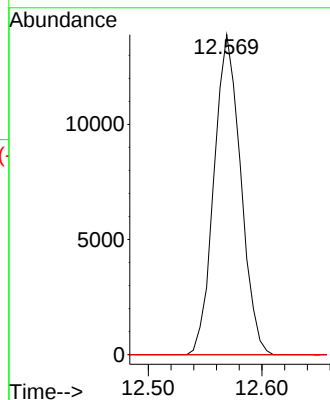
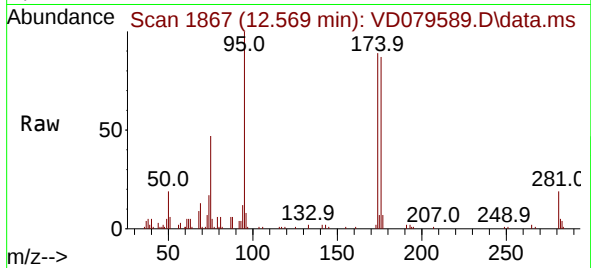




#81
trans-1,4-Dichloro-2-butene
Concen: 110.825 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

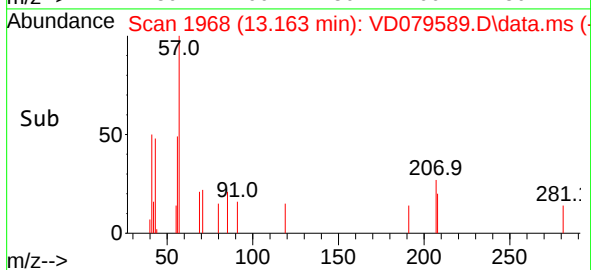
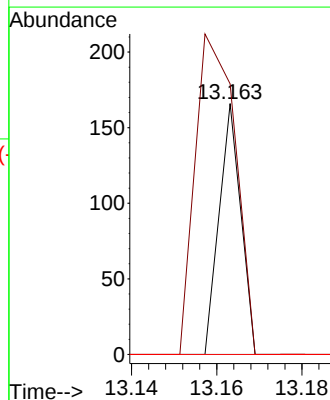
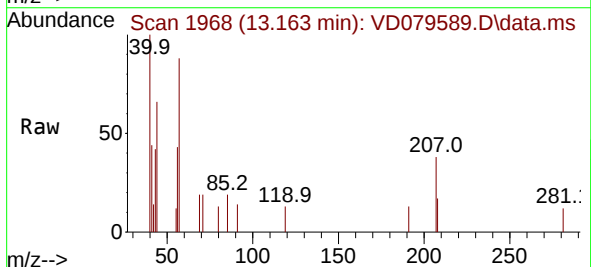
Instrument :
MSVOA_D
ClientSampleId :

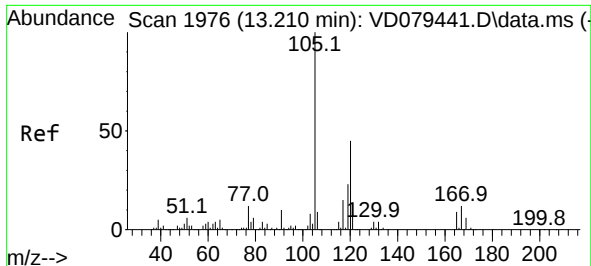
Tgt Ion: 75 Resp: 22694
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



#83
tert-Butylbenzene
Concen: 3.651 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. 0.000 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

Tgt Ion: 119 Resp: 59
Ion Ratio Lower Upper
119 100
91 233.9 28.2 84.7#
134 0.0 13.4 40.1#

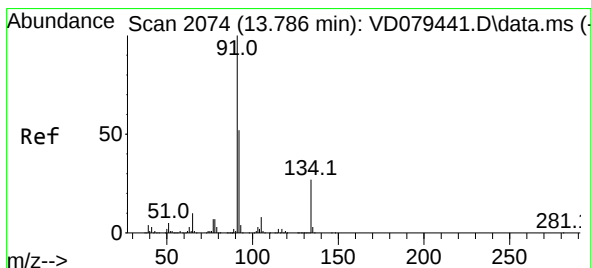
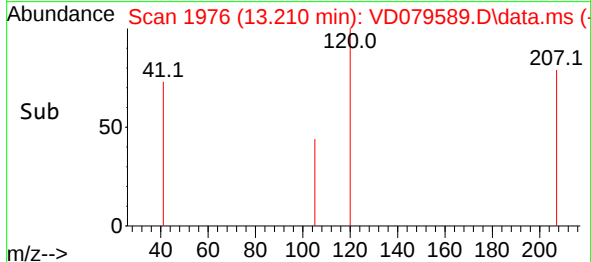
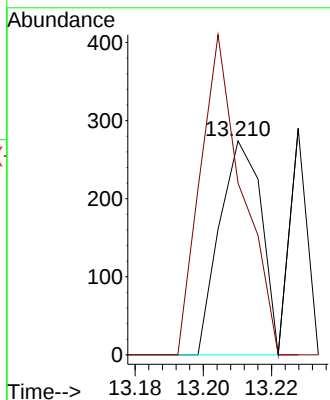
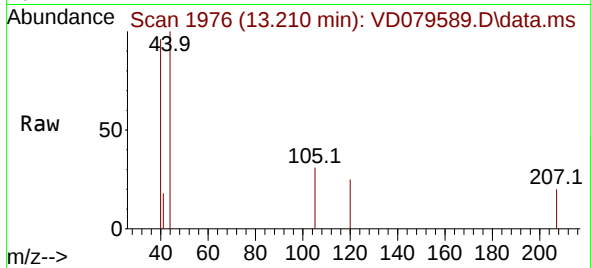




#84
1,2,4-Trimethylbenzene
Concen: 3.506 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 233
Ion Ratio Lower Upper
105 100
120 150.6 23.6 71.0#



#89
n-Butylbenzene
Concen: 3.802 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VD079589.D
Acq: 05 Aug 2024 19:06

Tgt Ion: 91 Resp: 61
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

