

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079505.D
 Acq On : 31 Jul 2024 19:23
 Operator : RP/MD
 Sample : P3387-01
 Misc : 4.53G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 01:55:12 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)

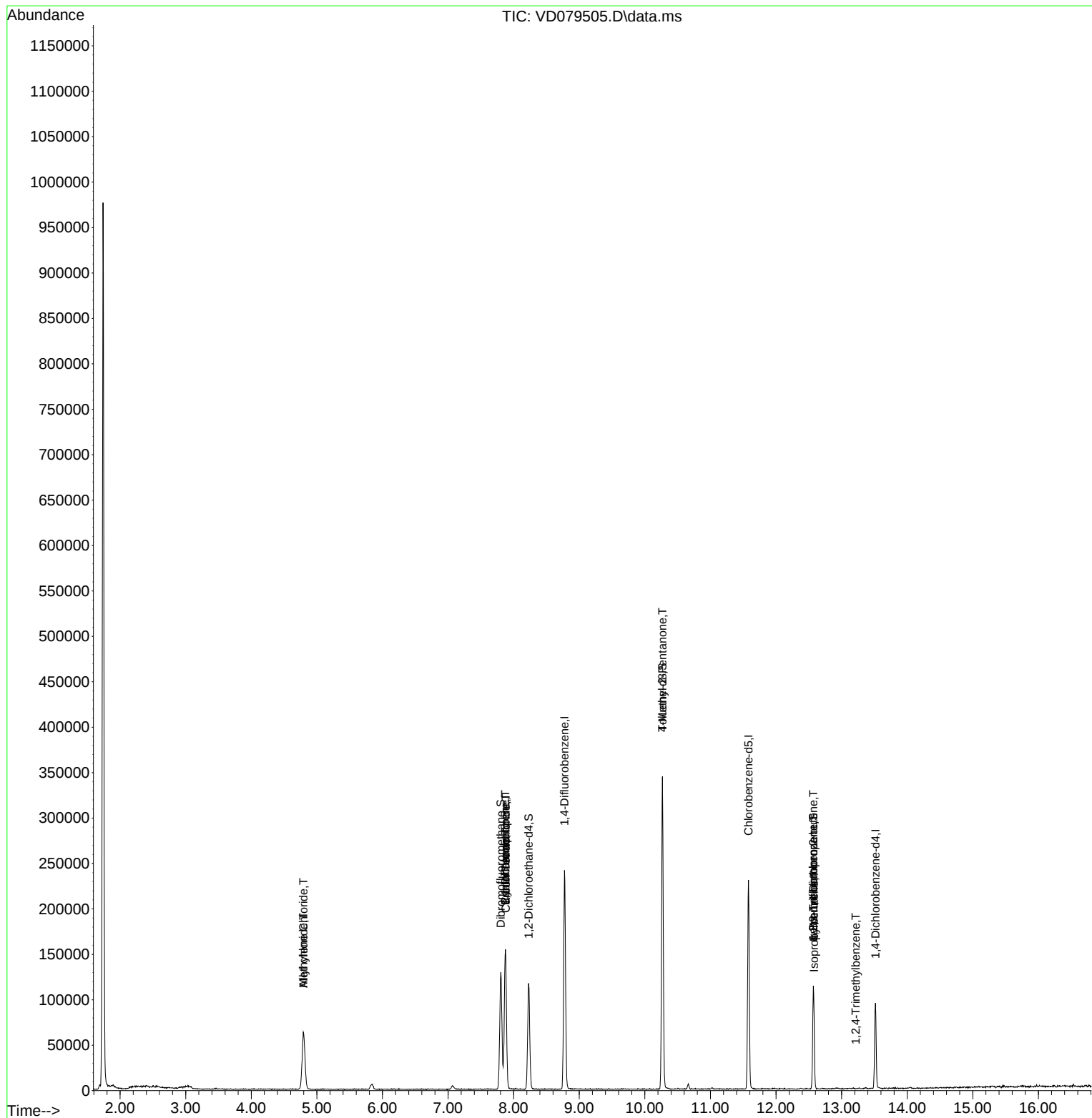
Internal Standards						
1) Pentafluorobenzene	7.875	168	127706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	218047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	141771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	26743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89878	69.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.560%
35) Dibromofluoromethane	7.804	113	94017	63.704	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	127.400%
50) Toluene-d8	10.269	98	240653	41.990	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.980%
62) 4-Bromofluorobenzene	12.569	95	33627	20.275	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	40.560%
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	119	Below Cal	#	1
14) Allyl chloride	4.793	41	2091	1.148	ug/l #	17
20) Methylene Chloride	4.793	84	49962	17.505	ug/l	87
31) Cyclohexane	7.875	56	2603	1.208	ug/l #	36
36) 1,1-Dichloropropene	7.875	75	9791	4.861	ug/l #	45
38) Carbon Tetrachloride	7.881	117	12195	5.759	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	1133	1.430	ug/l #	1
73) Isopropylbenzene	12.581	105	82	3.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	16367	70.016	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	16367	133.540	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.216	105	64	3.464	ug/l #	29

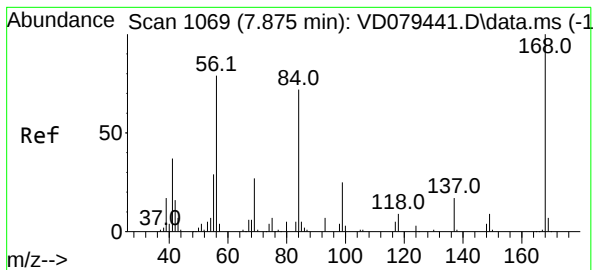
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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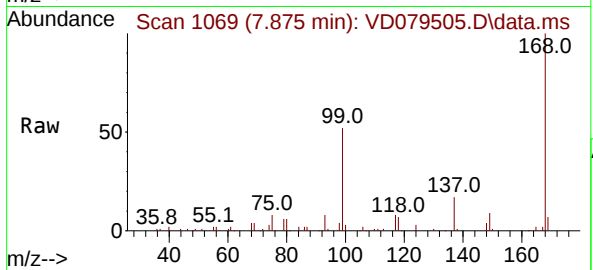
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



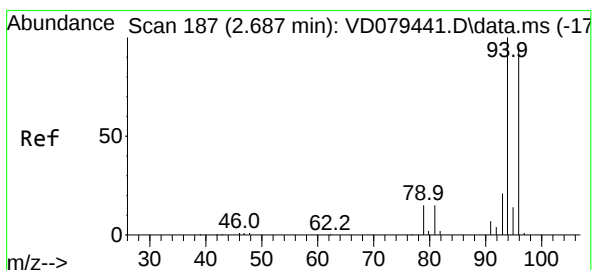
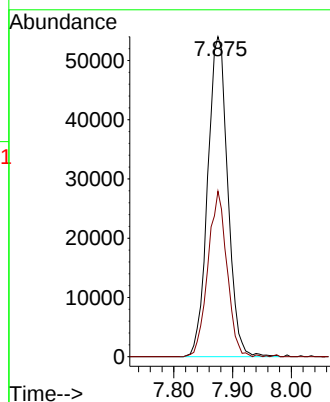
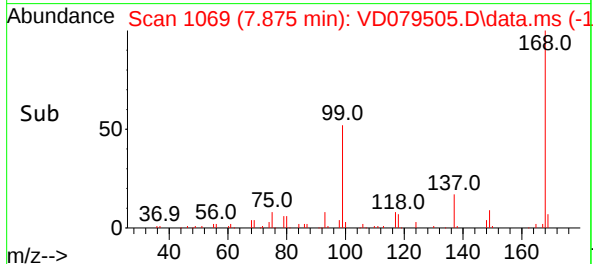


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079505.D
Acq: 31 Jul 2024 19:23

Instrument :
MSVOA_D
ClientSampleId :

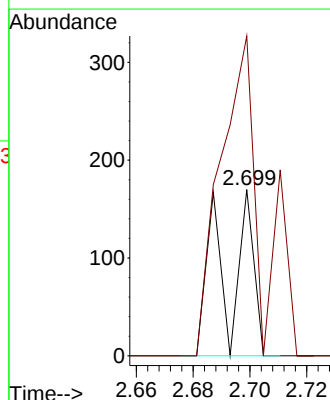
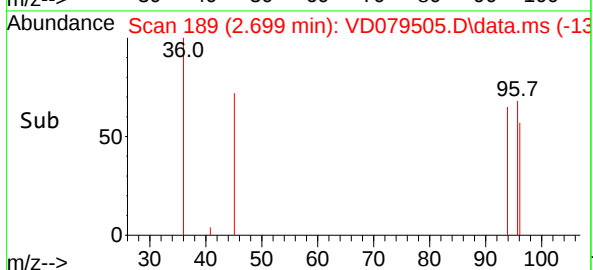
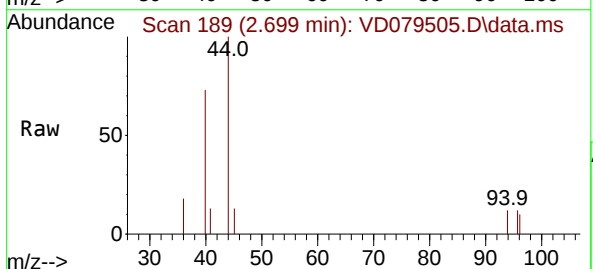


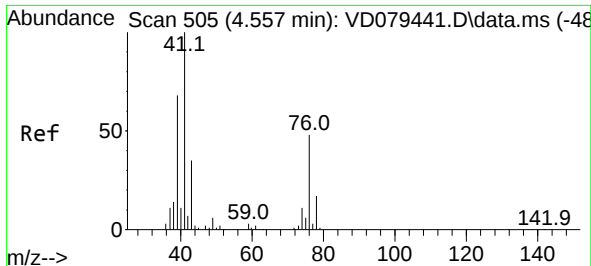
Tgt Ion:168 Resp: 127706
Ion Ratio Lower Upper
168 100
99 51.7 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079505.D
Acq: 31 Jul 2024 19:23

Tgt Ion: 94 Resp: 119
Ion Ratio Lower Upper
94 100
96 275.6 76.9 115.3#

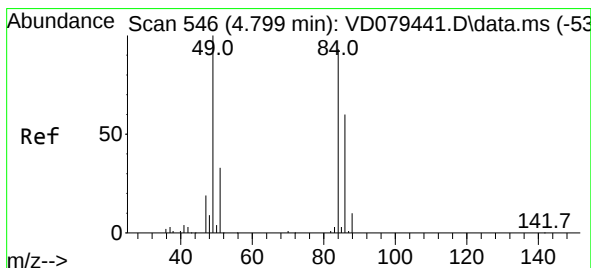
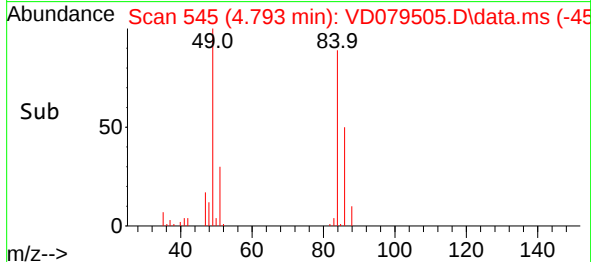
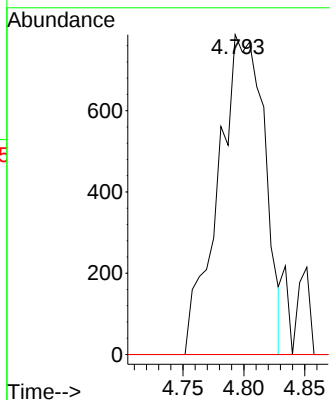
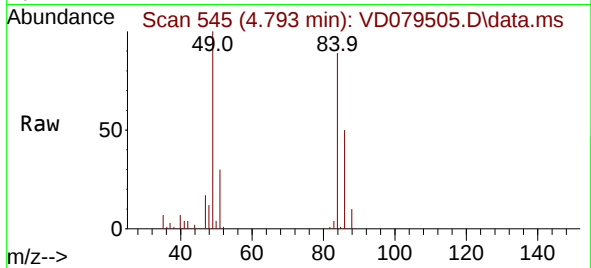




#14
 Allyl chloride
 Concen: 1.148 ug/l
 RT: 4.793 min Scan# 545
 Delta R.T. 0.241 min
 Lab File: VD079505.D
 Acq: 31 Jul 2024 19:23

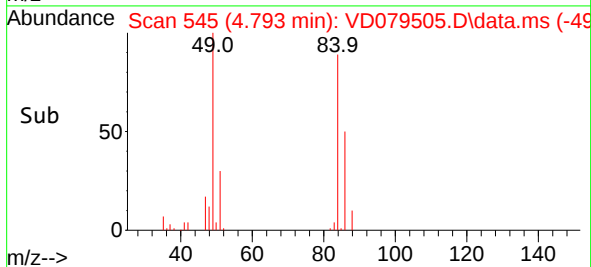
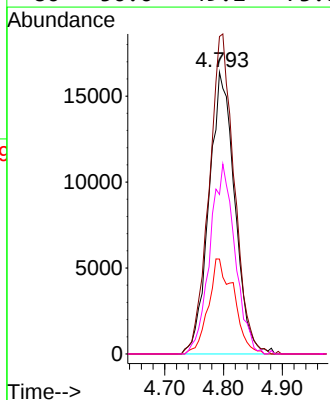
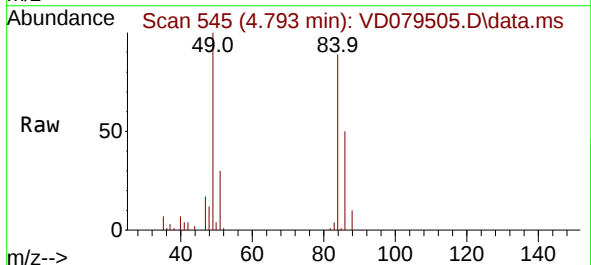
Instrument :
 MSVOA_D
 ClientSampleId :

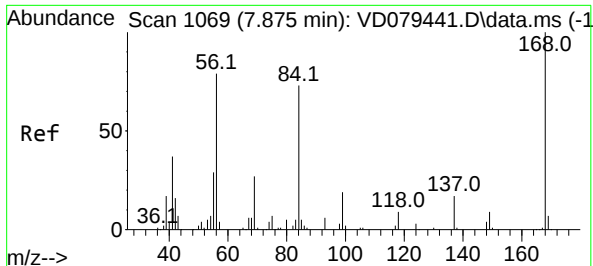
Tgt Ion: 41 Resp: 2091
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.0 87.0#
 76 0.0 45.9 68.9#



#20
 Methylene Chloride
 Concen: 17.505 ug/l
 RT: 4.793 min Scan# 545
 Delta R.T. -0.006 min
 Lab File: VD079505.D
 Acq: 31 Jul 2024 19:23

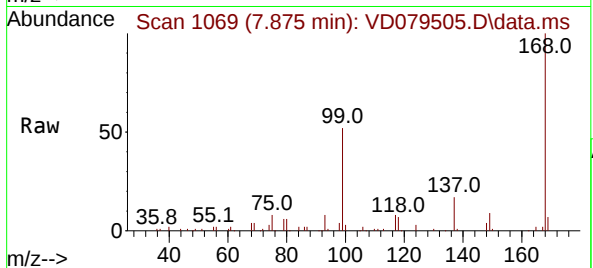
Tgt Ion: 84 Resp: 49962
 Ion Ratio Lower Upper
 84 100
 49 112.6 75.6 113.4
 51 33.7 24.2 36.2
 86 56.6 49.2 73.8



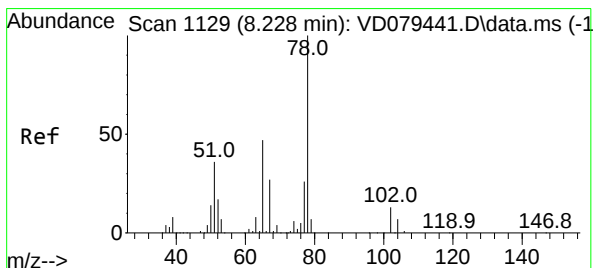
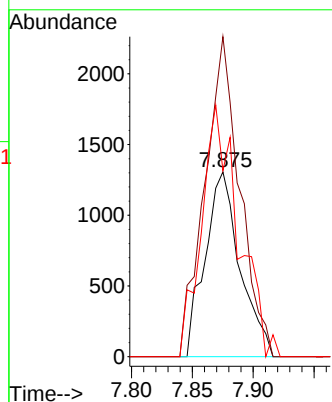
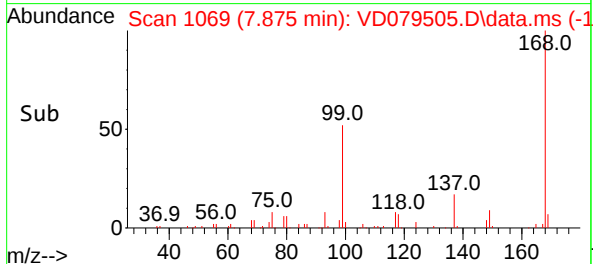


#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079505.D
Acq: 31 Jul 2024 19:23

Instrument :
MSVOA_D
ClientSampleId :

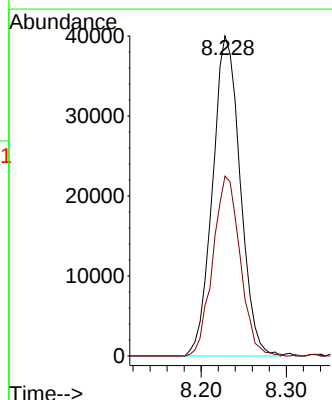
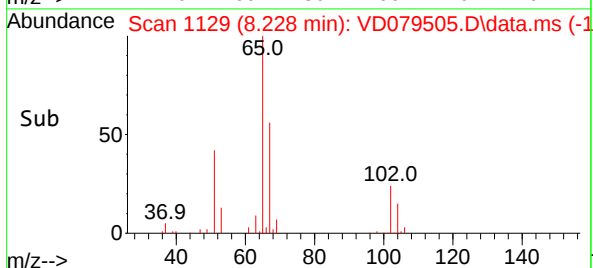
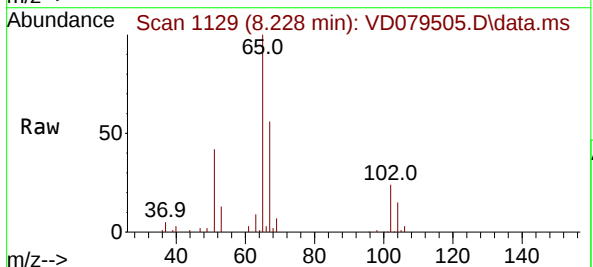


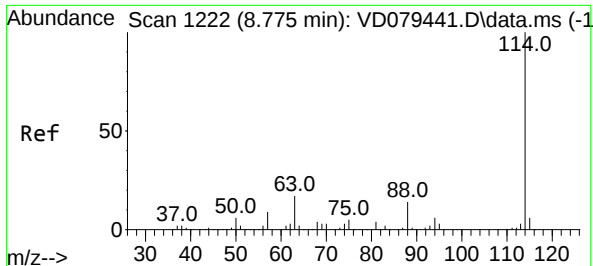
Tgt Ion: 56 Resp: 2603
Ion Ratio Lower Upper
56 100
69 173.1 28.0 42.0#
84 100.7 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 69.277 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079505.D
Acq: 31 Jul 2024 19:23

Tgt Ion: 65 Resp: 89878
Ion Ratio Lower Upper
65 100
67 55.6 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: VD079505.D

Acq: 31 Jul 2024 19:23

Instrument :

MSVOA_D

ClientSampleId :

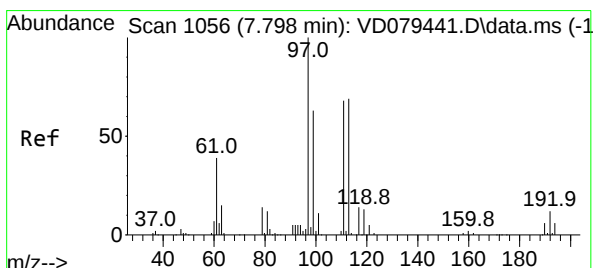
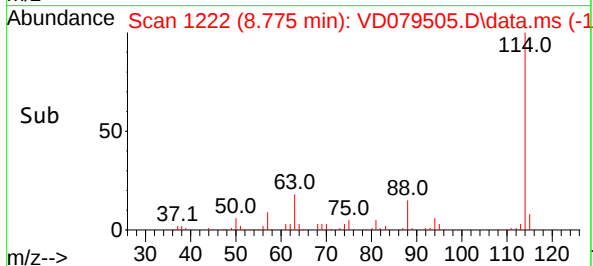
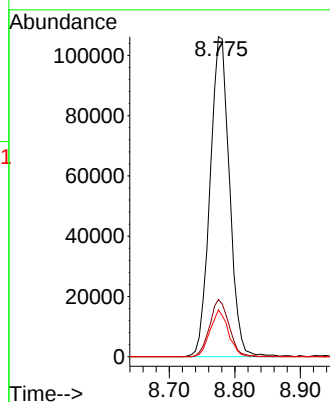
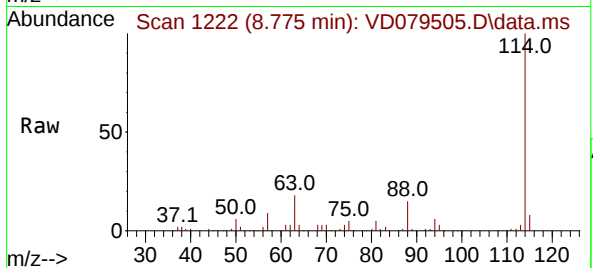
Tgt Ion:114 Resp: 218047

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.0

88 14.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 63.704 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079505.D

Acq: 31 Jul 2024 19:23

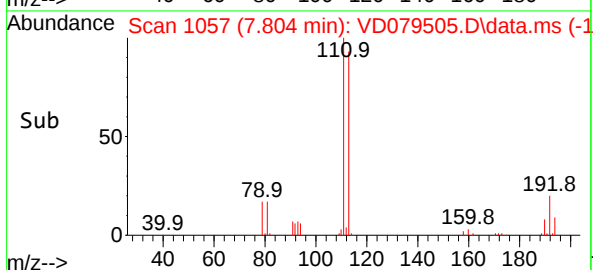
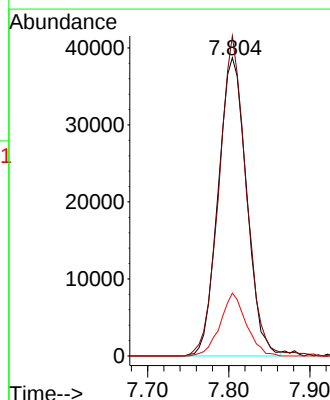
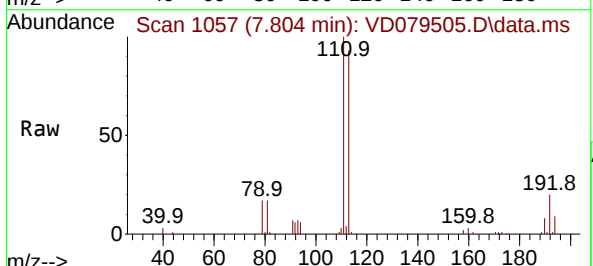
Tgt Ion:113 Resp: 94017

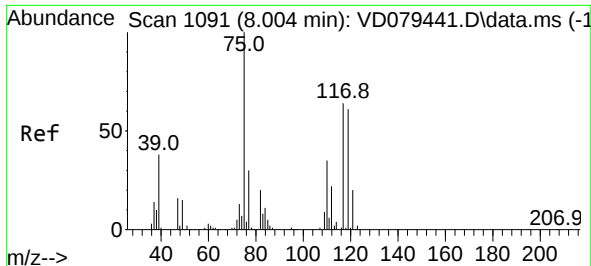
Ion Ratio Lower Upper

113 100

111 103.0 84.0 126.0

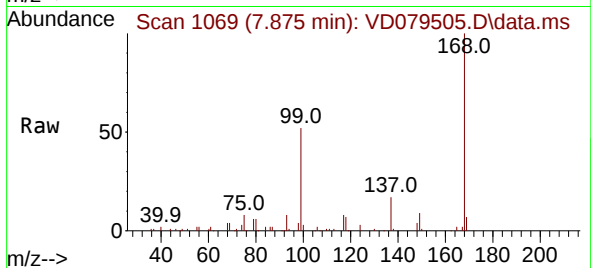
192 19.3 15.4 23.0



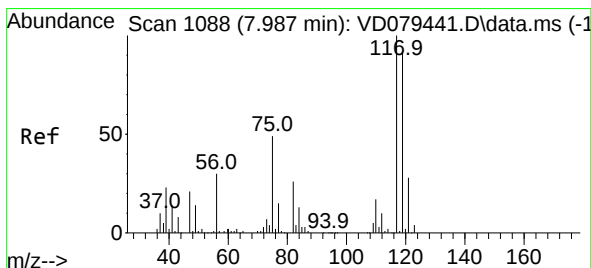
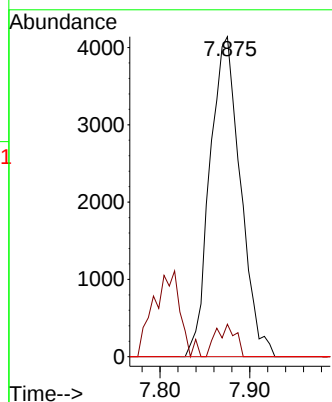
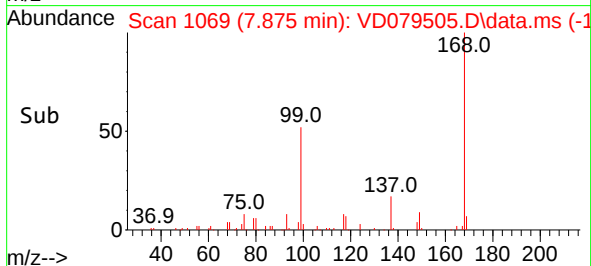


#36
 1,1-Dichloropropene
 Concen: 4.861 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.135 min
 Lab File: VD079505.D
 Acq: 31 Jul 2024 19:23

Instrument :
 MSVOA_D
 ClientSampleId :

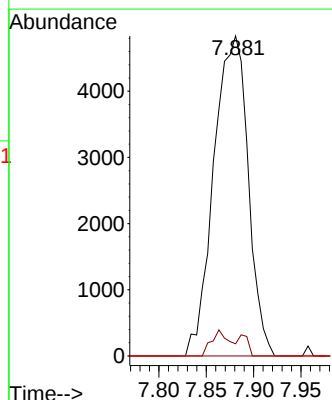
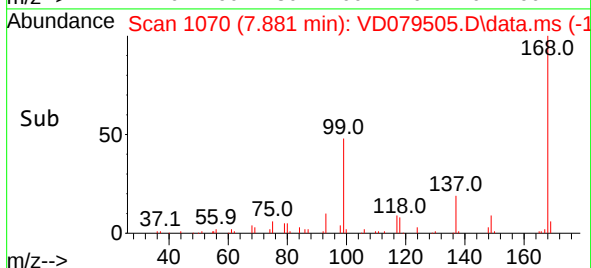
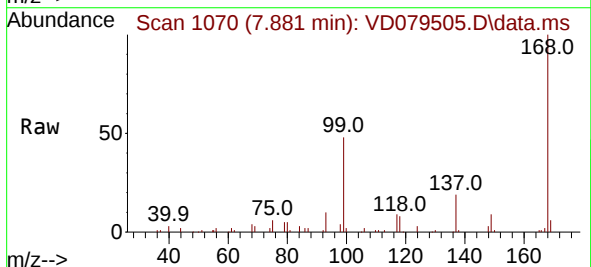


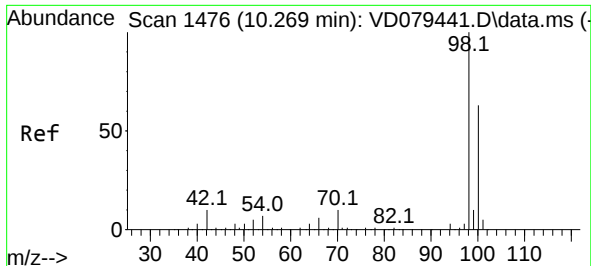
Tgt Ion: 75 Resp: 9791
 Ion Ratio Lower Upper
 75 100
 110 6.6 19.6 58.7#
 77 0.0 26.1 39.1#



#38
 Carbon Tetrachloride
 Concen: 5.759 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.106 min
 Lab File: VD079505.D
 Acq: 31 Jul 2024 19:23

Tgt Ion: 117 Resp: 12195
 Ion Ratio Lower Upper
 117 100
 119 3.8 75.4 113.0#
 121 0.0 25.0 37.4#

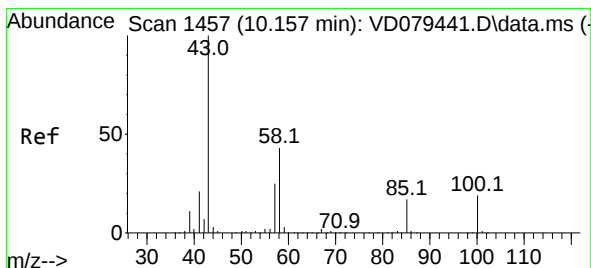
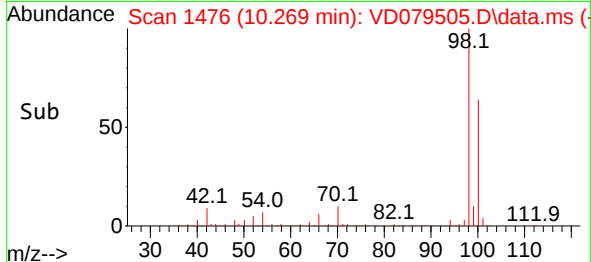
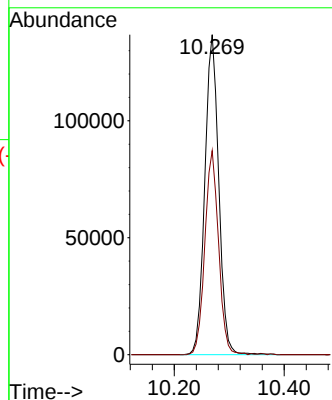
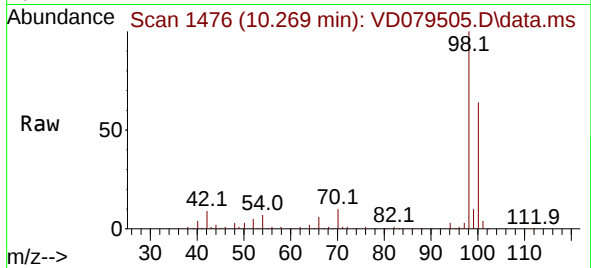




#50
Toluene-d8
Concen: 41.990 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079505.D
Acq: 31 Jul 2024 19:23

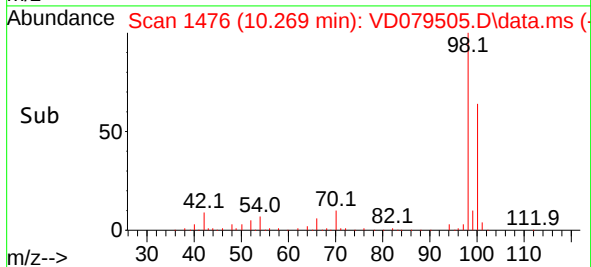
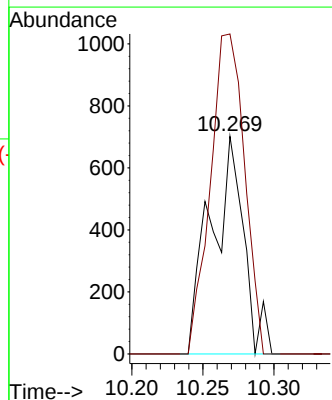
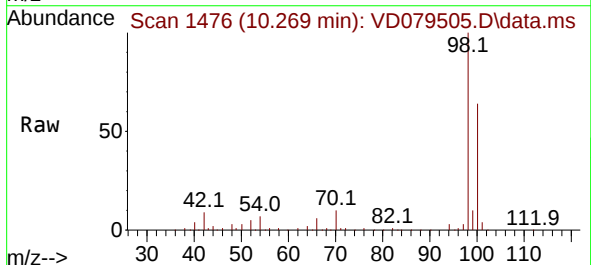
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MSVOA_D
ClientSampleId :

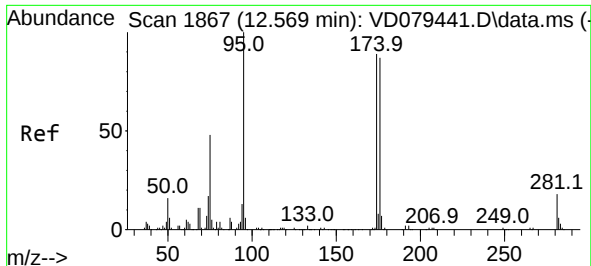
Tgt Ion: 98 Resp: 240653
Ion Ratio Lower Upper
98 100
100 62.8 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.430 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD079505.D
Acq: 31 Jul 2024 19:23

Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
58 152.8 36.6 55.0#

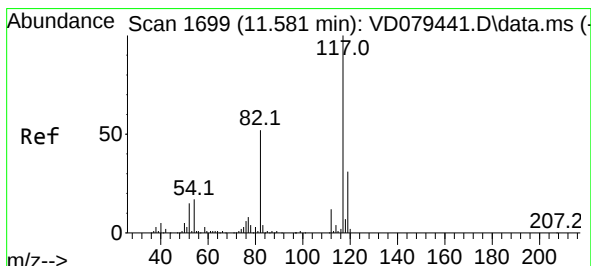
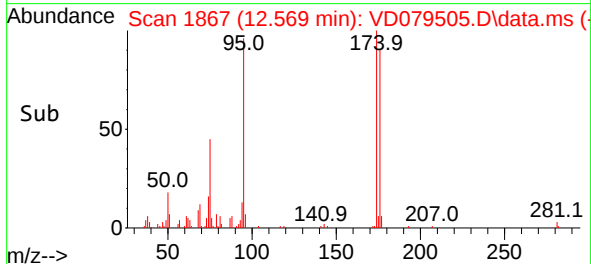
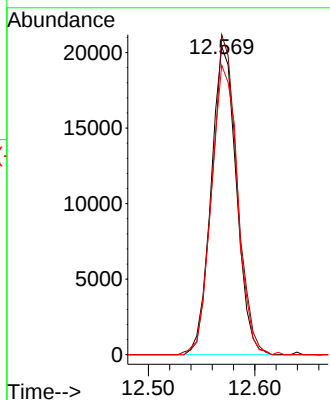
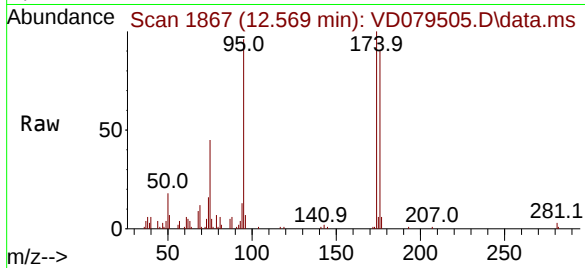




#62
4-Bromofluorobenzene
Concen: 20.275 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079505.D
Acq: 31 Jul 2024 19:23

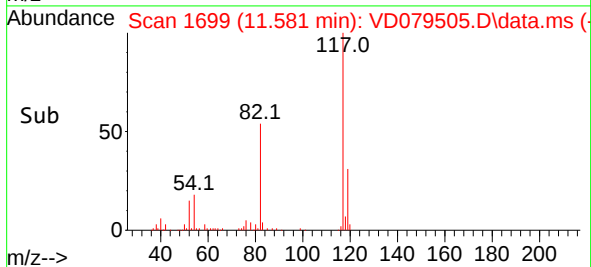
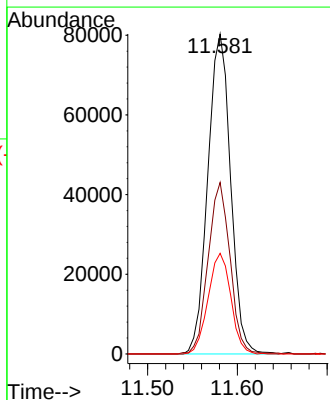
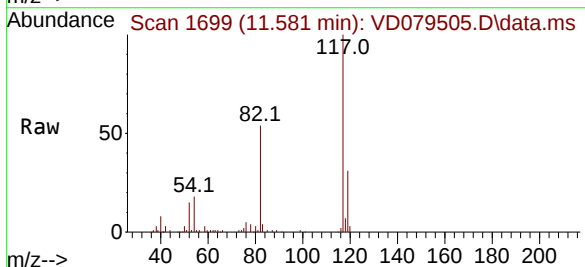
Instrument :
MSVOA_D
ClientSampleId :

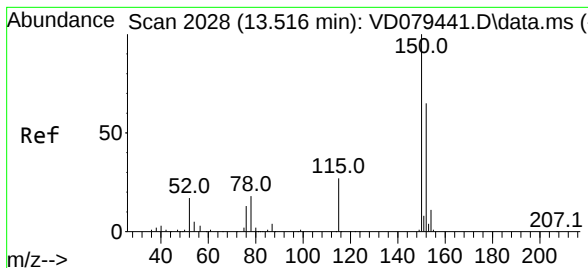
Tgt Ion: 95 Resp: 33627
Ion Ratio Lower Upper
95 100
174 102.3 0.0 195.4
176 97.9 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079505.D
Acq: 31 Jul 2024 19:23

Tgt Ion: 117 Resp: 141771
Ion Ratio Lower Upper
117 100
82 53.6 39.8 59.6
119 31.5 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: VD079505.D

Acq: 31 Jul 2024 19:23

Instrument :

MSVOA_D

ClientSampleId :

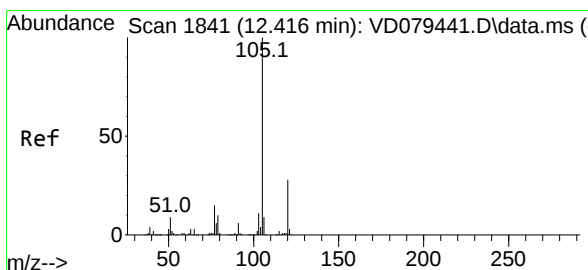
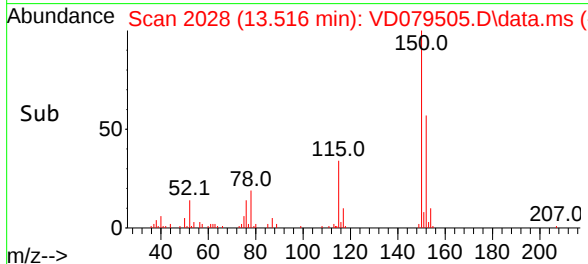
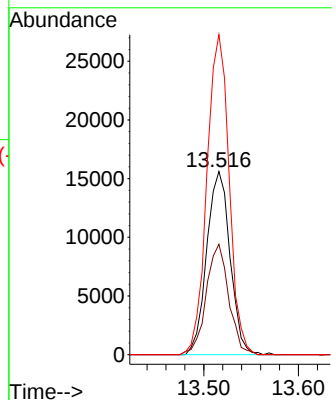
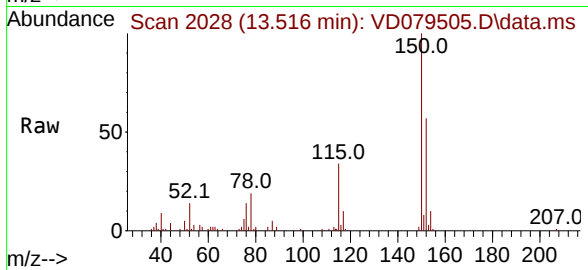
Tgt Ion:152 Resp: 26743

Ion Ratio Lower Upper

152 100

115 58.1 26.5 79.5

150 166.0 0.0 341.6



#73

Isopropylbenzene

Concen: 3.666 ug/l

RT: 12.581 min Scan# 1869

Delta R.T. 0.165 min

Lab File: VD079505.D

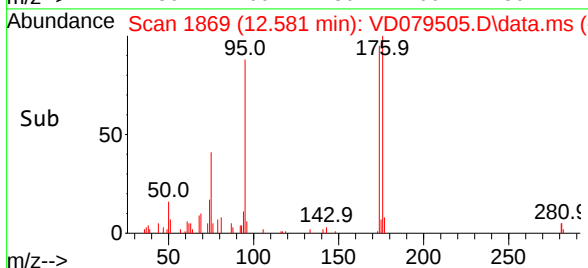
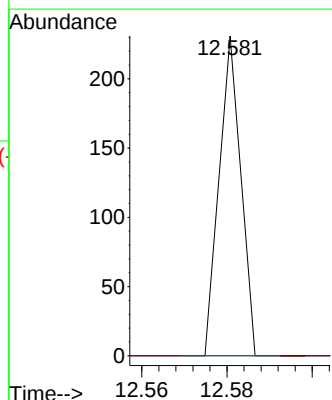
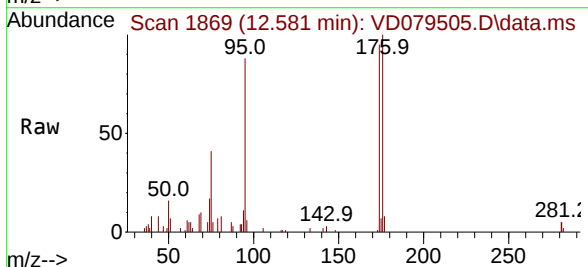
Acq: 31 Jul 2024 19:23

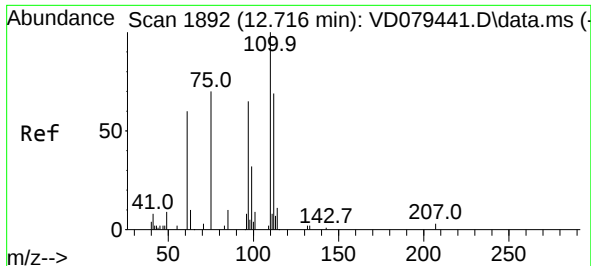
Tgt Ion:105 Resp: 82

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

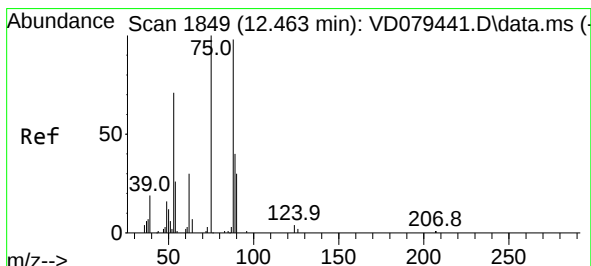
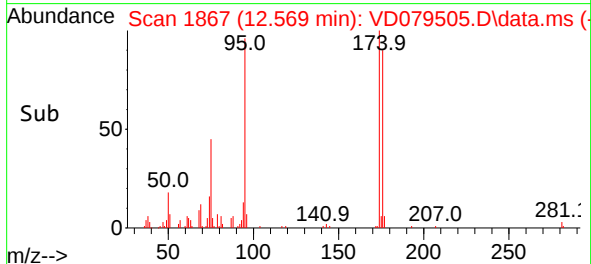
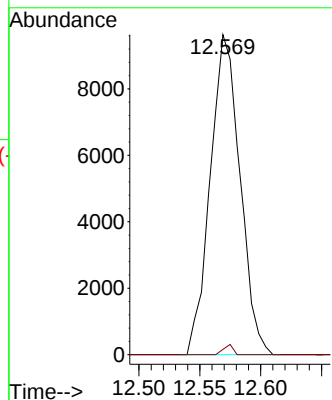
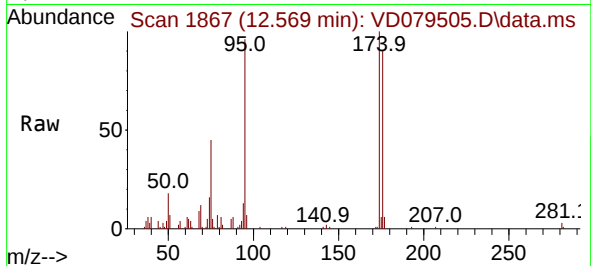




#76
1,2,3-Trichloropropane
Concen: 70.016 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079505.D
Acq: 31 Jul 2024 19:23

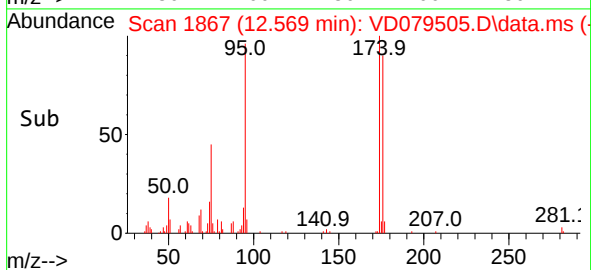
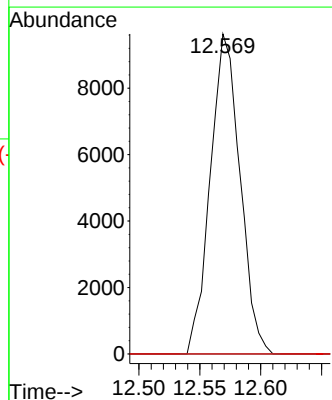
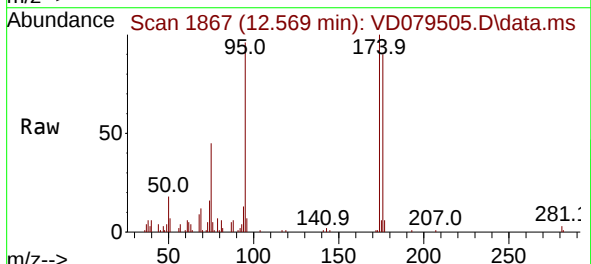
Instrument :
MSVOA_D
ClientSampleId :

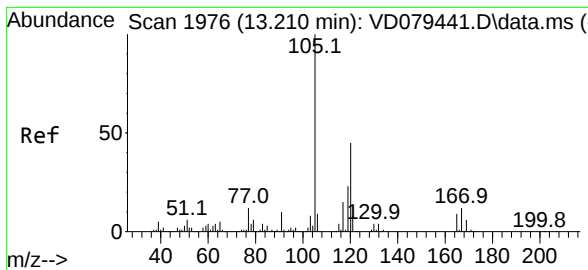
Tgt Ion: 75 Resp: 16367
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.540 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079505.D
Acq: 31 Jul 2024 19:23

Tgt Ion: 75 Resp: 16367
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#





#84
 1,2,4-Trimethylbenzene
 Concen: 3.464 ug/l
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.012 min
 Lab File: VD079505.D
 Acq: 31 Jul 2024 19:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:105 Resp: 64
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.6 71.0#

