

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079467.D
 Acq On : 30 Jul 2024 19:06
 Operator : RP/MD
 Sample : P3376-01
 Misc : 4.22G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 31 01:56:37 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)

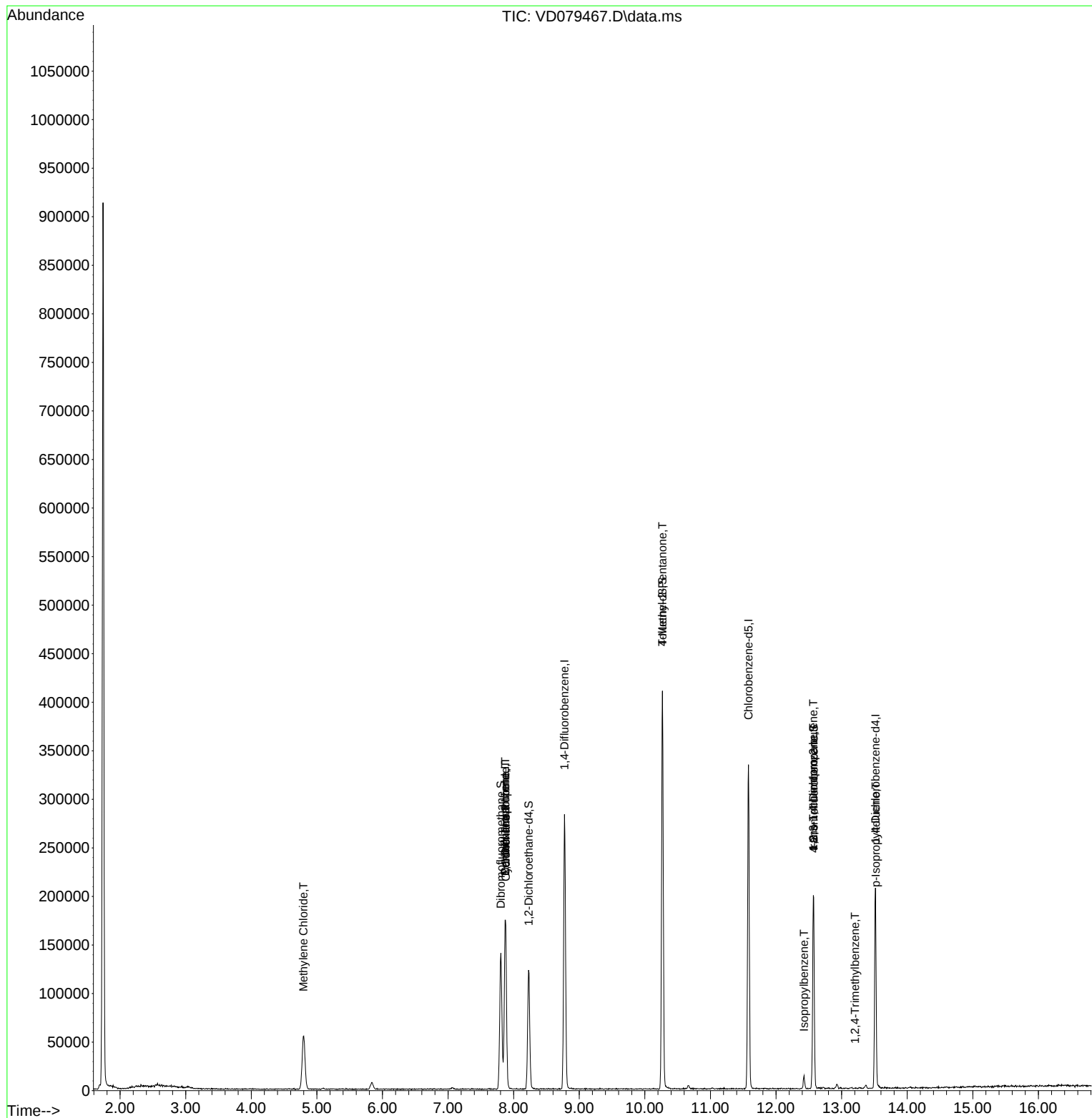
Internal Standards						
1) Pentafluorobenzene	7.869	168	146117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	260203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	210808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	59353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	94704	63.799	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.600%	
35) Dibromofluoromethane	7.804	113	100489	57.058	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.120%	
50) Toluene-d8	10.269	98	295820	43.253	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 86.500%	
62) 4-Bromofluorobenzene	12.575	95	61354	31.000	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 62.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.675	94	63	Below Cal	#	2
20) Methylene Chloride	4.793	84	45603	8.924	ug/l	93
31) Cyclohexane	7.881	56	2571	1.043	ug/l #	41
36) 1,1-Dichloropropene	7.875	75	10719	4.459	ug/l #	47
38) Carbon Tetrachloride	7.875	117	13632	5.395	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	947	1.001	ug/l #	1
73) Isopropylbenzene	12.428	105	669	3.767	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	29928	57.687	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	29928	110.024	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.204	105	142	3.464	ug/l #	29
86) p-Isopropyltoluene	13.522	119	85	3.905	ug/l #	51

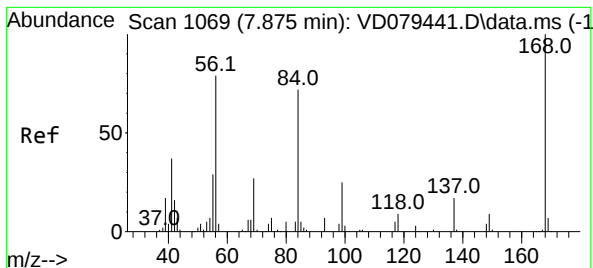
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 31 01:56:37 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: 7.869 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079467.D

Acq: 30 Jul 2024 19:06

Instrument :

MSVOA_D

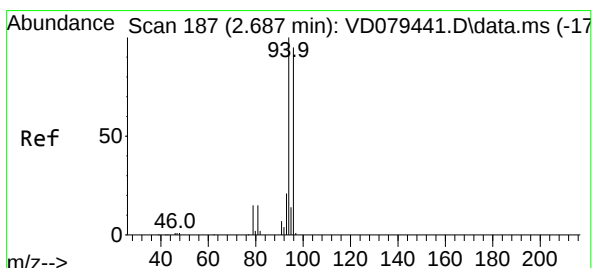
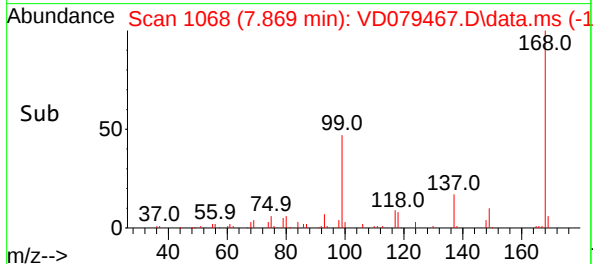
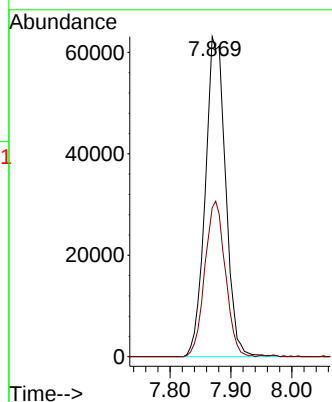
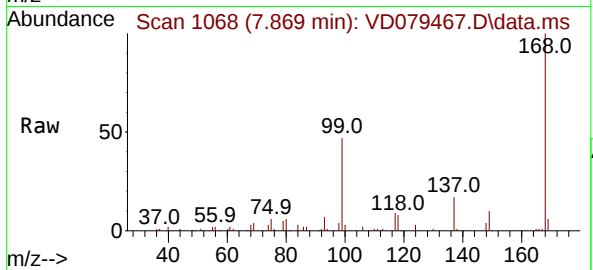
ClientSampleId :

Tgt Ion:168 Resp: 146117

Ion Ratio Lower Upper

168 100

99 46.6 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.675 min Scan# 185

Delta R.T. -0.012 min

Lab File: VD079467.D

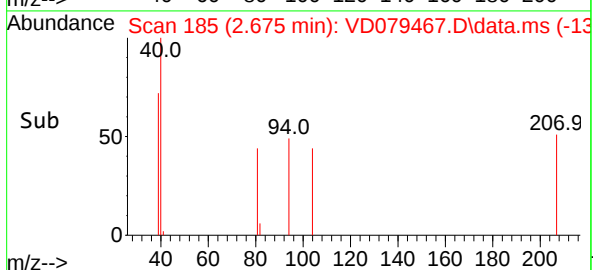
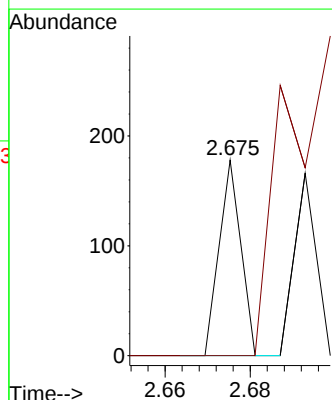
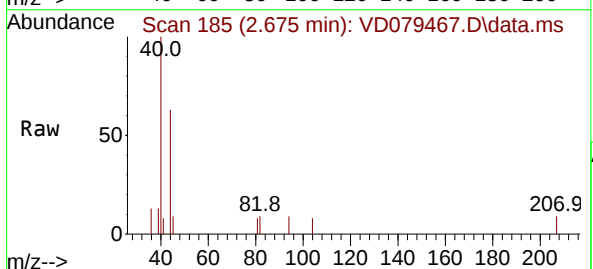
Acq: 30 Jul 2024 19:06

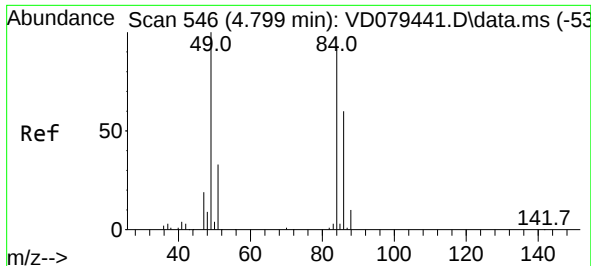
Tgt Ion: 94 Resp: 63

Ion Ratio Lower Upper

94 100

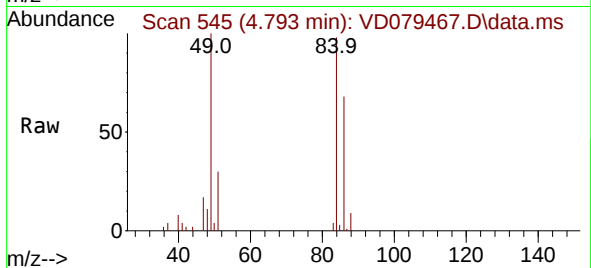
96 0.0 76.9 115.3#



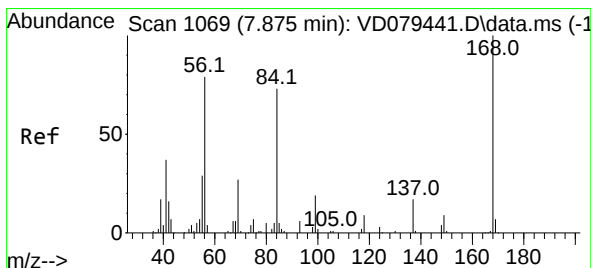
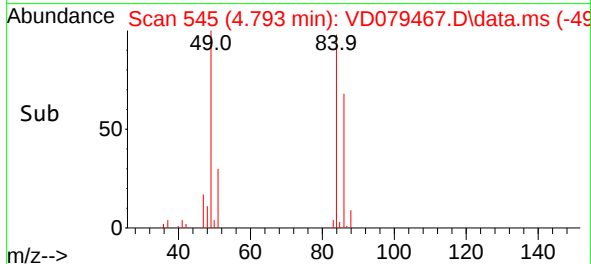
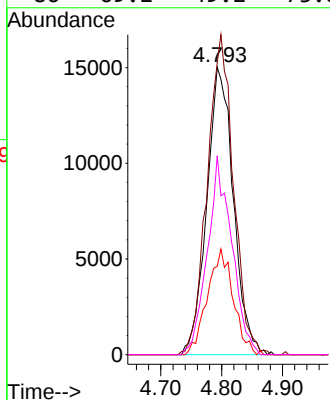


#20
Methylene Chloride
Concen: 8.924 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

Instrument :
MSVOA_D
ClientSampleId :

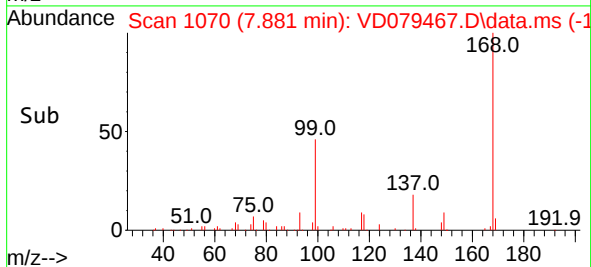
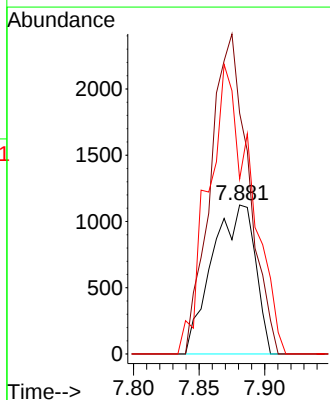
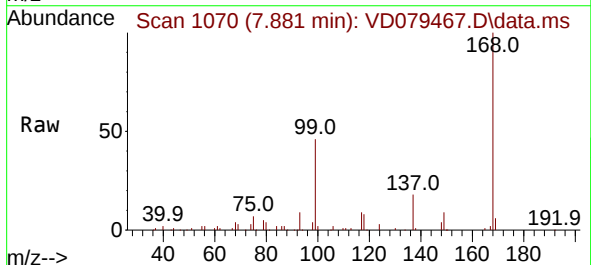


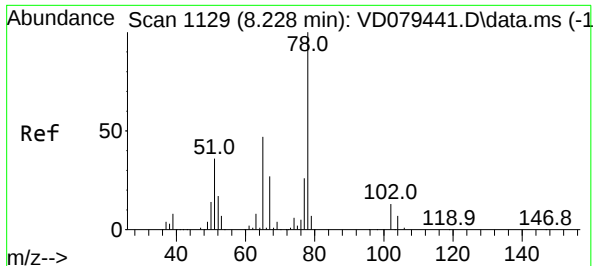
Tgt Ion: 84	Resp: 45603
Ion Ratio	Lower Upper
84 100	
49 101.5	75.6 113.4
51 30.7	24.2 36.2
86 69.2	49.2 73.8



#31
Cyclohexane
Concen: 1.043 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

Tgt Ion: 56	Resp: 2571		
Ion Ratio	Lower	Upper	
56	100		
69	161.7	28.0	42.0#
84	117.4	87.4	131.0





#33

1,2-Dichloroethane-d4

Concen: 63.799 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079467.D

Acq: 30 Jul 2024 19:06

Instrument :

MSVOA_D

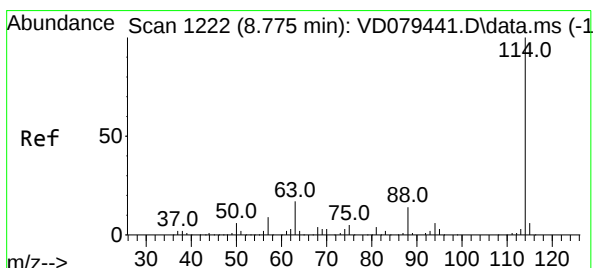
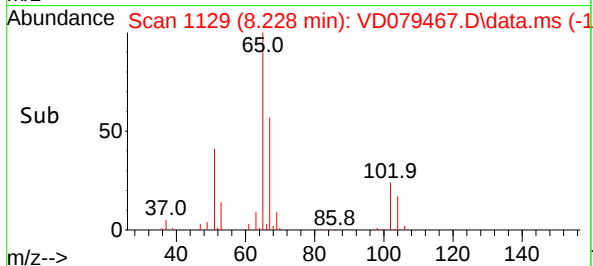
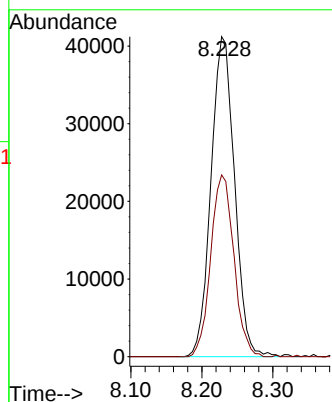
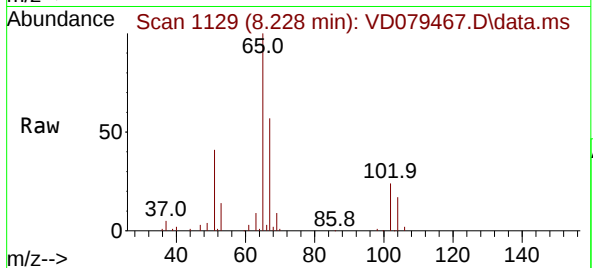
ClientSampleId :

Tgt Ion: 65 Resp: 94704

Ion Ratio Lower Upper

65 100

67 55.9 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079467.D

Acq: 30 Jul 2024 19:06

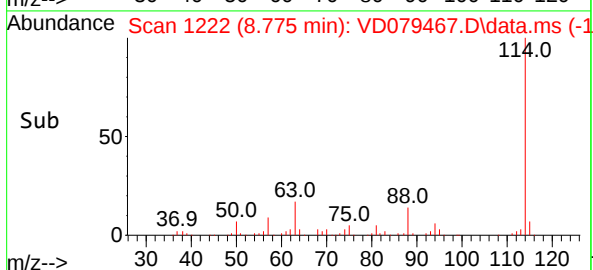
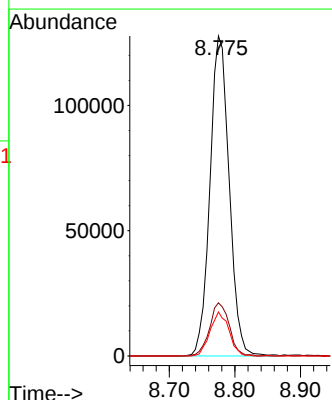
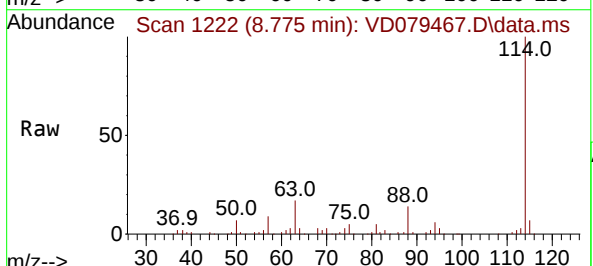
Tgt Ion: 114 Resp: 260203

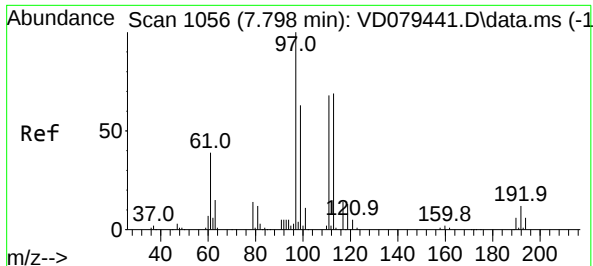
Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.0

88 13.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 57.058 ug/l

RT: 7.804 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD079467.D

Acq: 30 Jul 2024 19:06

Instrument :

MSVOA_D

ClientSampleId :

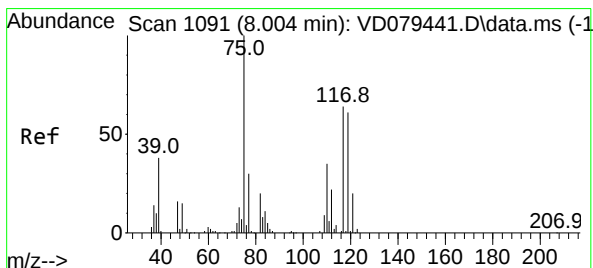
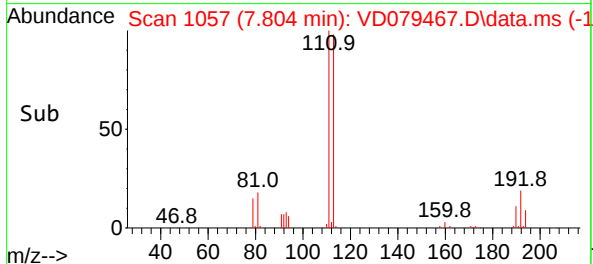
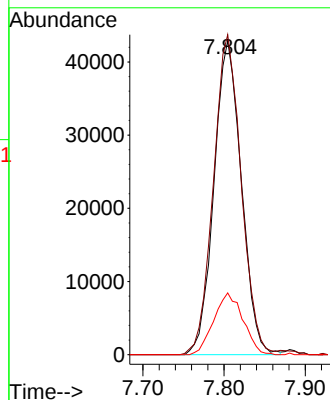
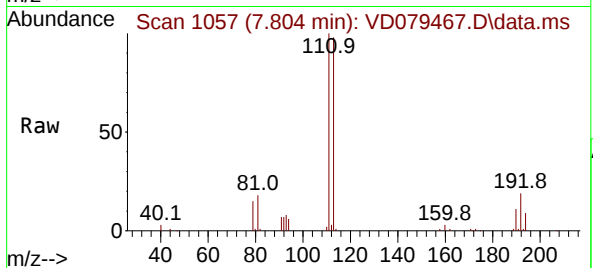
Tgt Ion:113 Resp: 100489

Ion Ratio Lower Upper

113 100

111 103.2 84.0 126.0

192 21.0 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.459 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079467.D

Acq: 30 Jul 2024 19:06

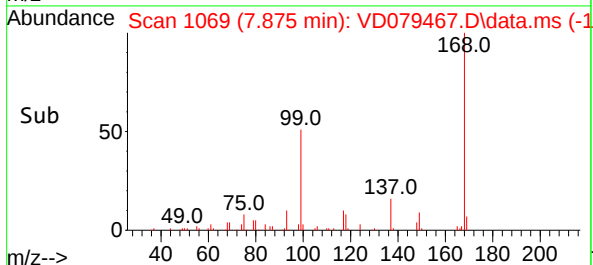
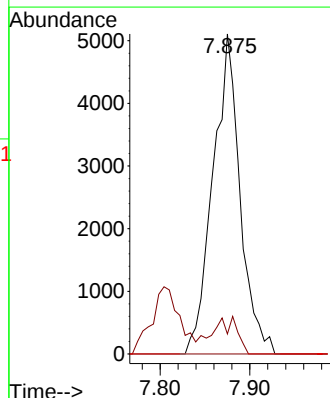
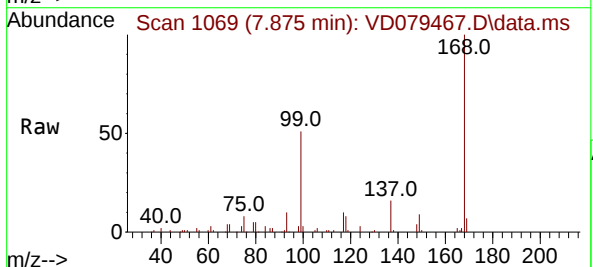
Tgt Ion: 75 Resp: 10719

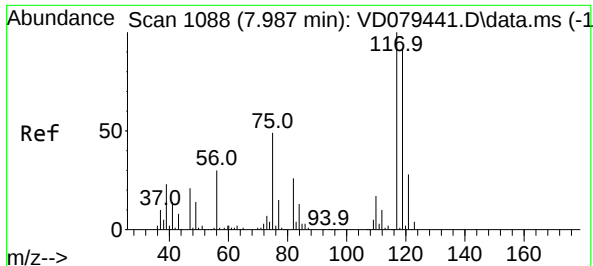
Ion Ratio Lower Upper

75 100

110 9.0 19.6 58.7#

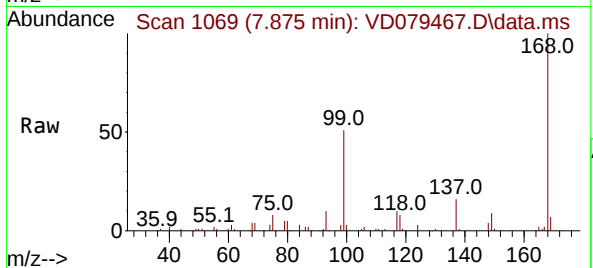
77 0.0 26.1 39.1#



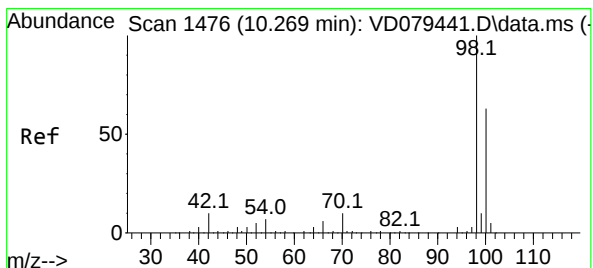
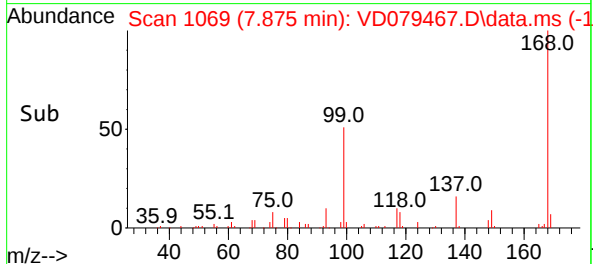
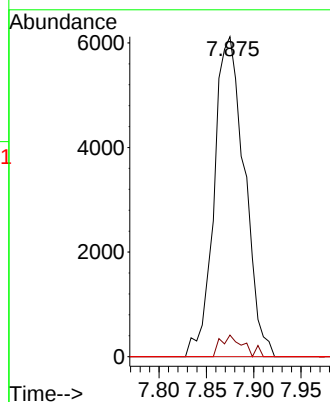


#38
Carbon Tetrachloride
Concen: 5.395 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

Instrument :
MSVOA_D
ClientSampleId :

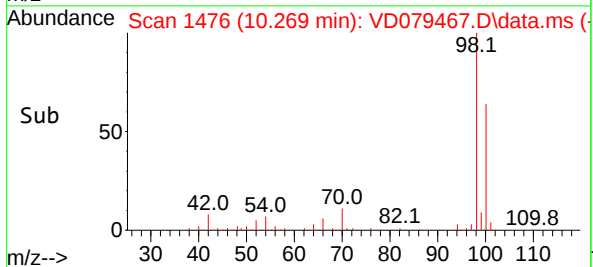
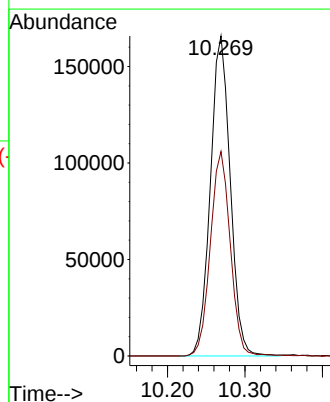
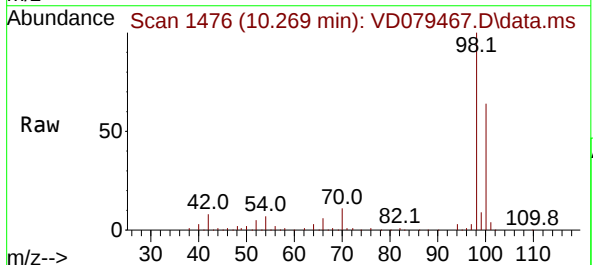


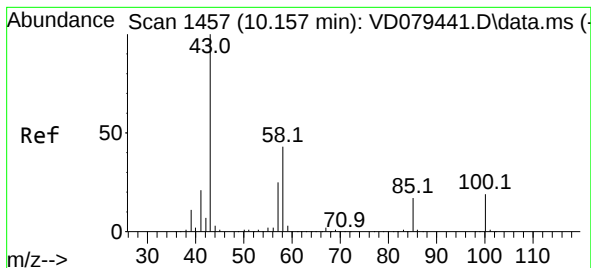
Tgt Ion:117 Resp: 13632
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 43.253 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

Tgt Ion: 98 Resp: 295820
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

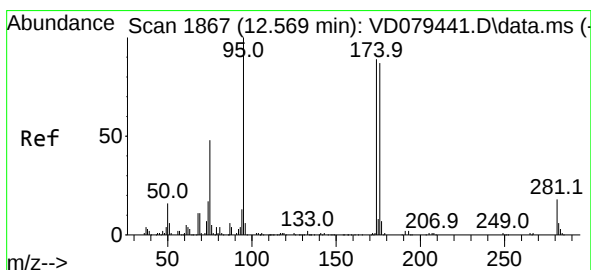
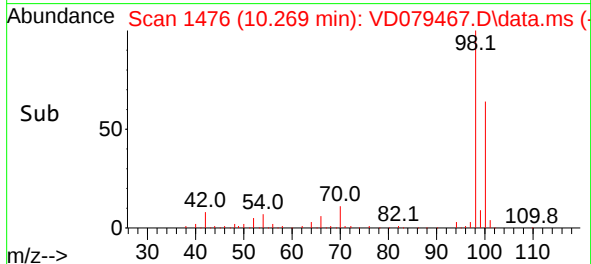
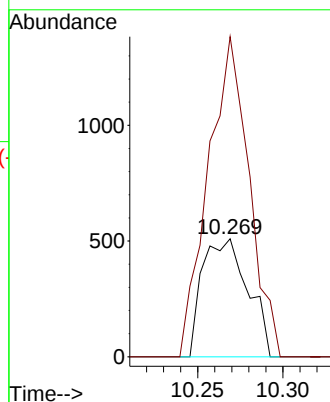
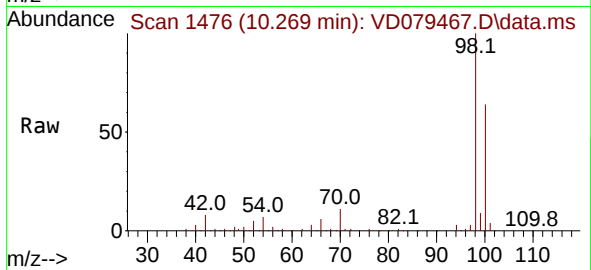




#51
4-Methyl-2-Pentanone
Concen: 1.001 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

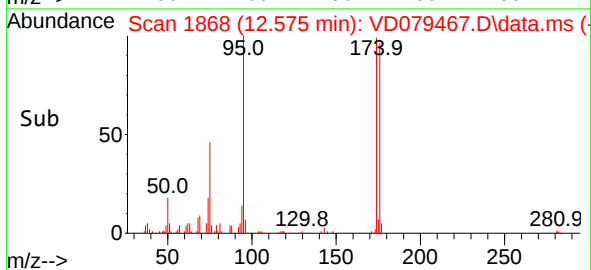
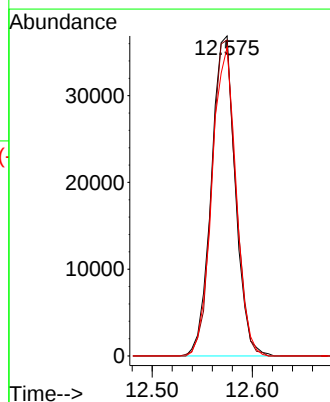
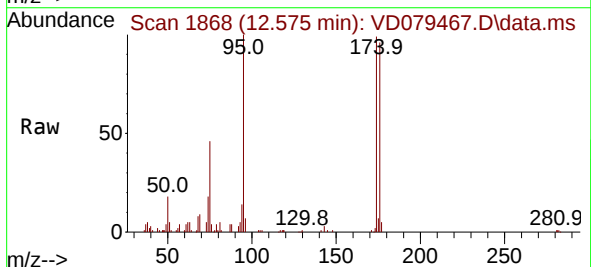
Instrument :
MSVOA_D
ClientSampleId :

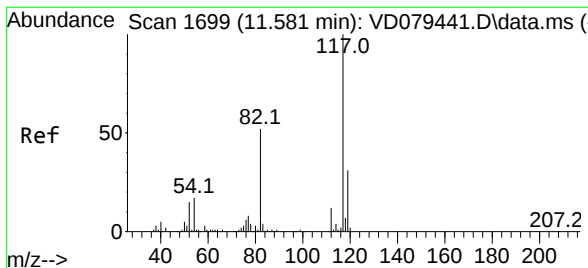
Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
58 244.0 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 31.000 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

Tgt Ion: 95 Resp: 61354
Ion Ratio Lower Upper
95 100
174 98.1 0.0 195.4
176 96.5 0.0 192.6

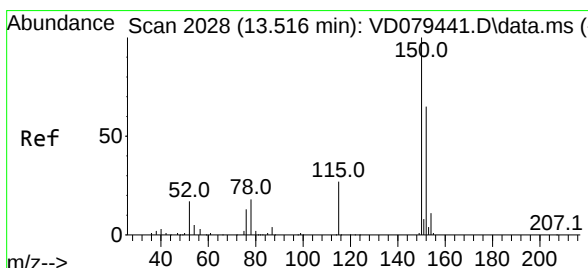
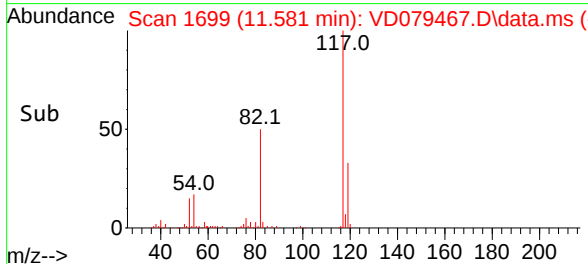
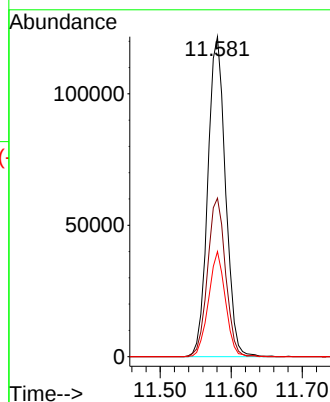
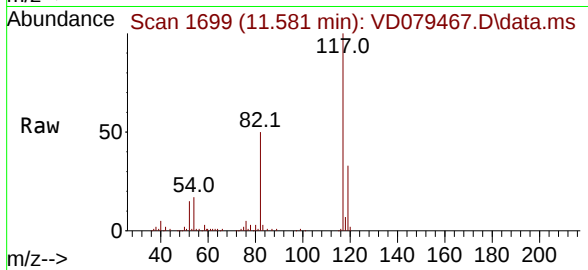




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

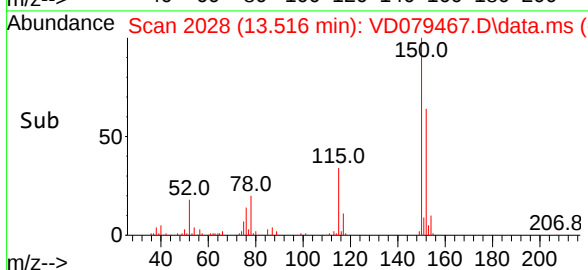
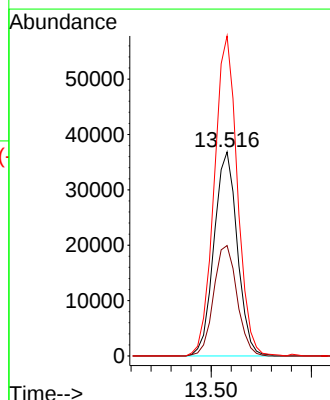
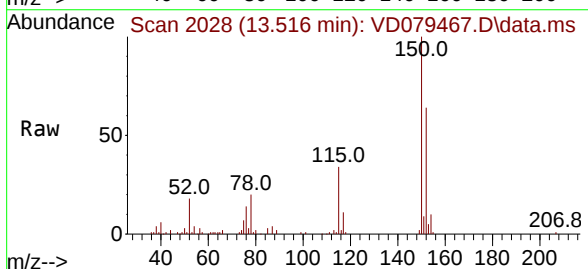
Instrument :
MSVOA_D
ClientSampleId :

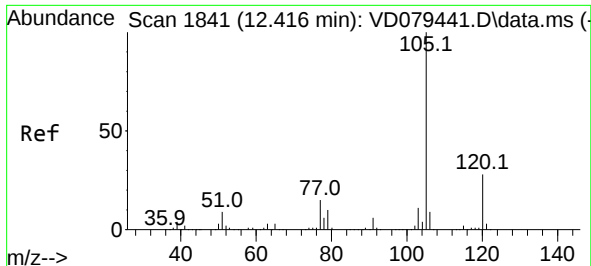
Tgt Ion:117 Resp: 210808
Ion Ratio Lower Upper
117 100
82 49.5 39.8 59.6
119 32.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

Tgt Ion:152 Resp: 59353
Ion Ratio Lower Upper
152 100
115 54.6 26.5 79.5
150 156.0 0.0 341.6

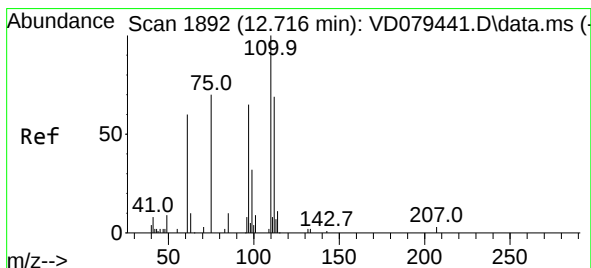
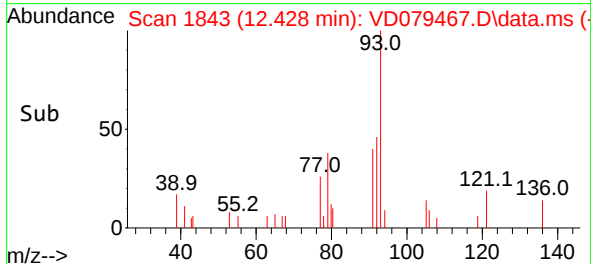
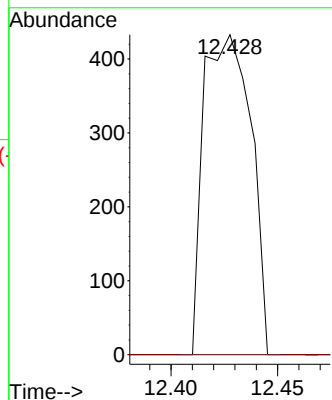
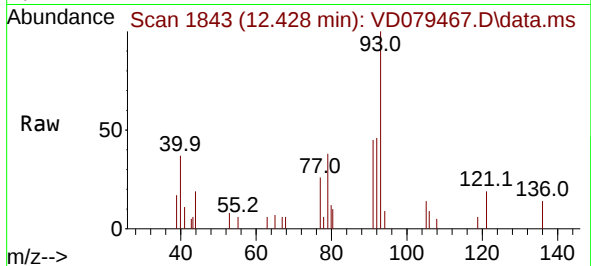




#73
Isopropylbenzene
Concen: 3.767 ug/l
RT: 12.428 min Scan# 1843
Delta R.T. 0.012 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

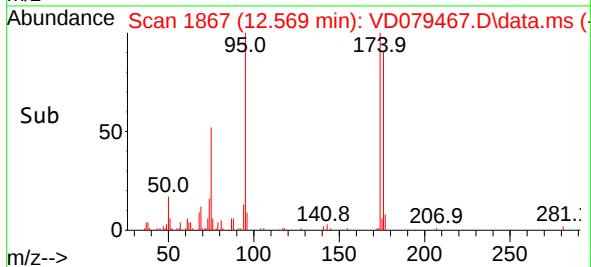
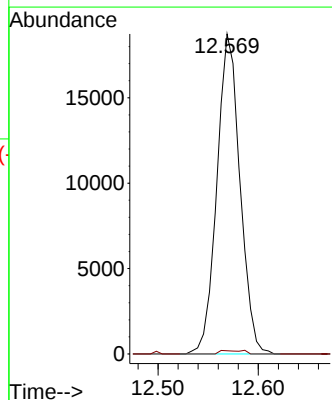
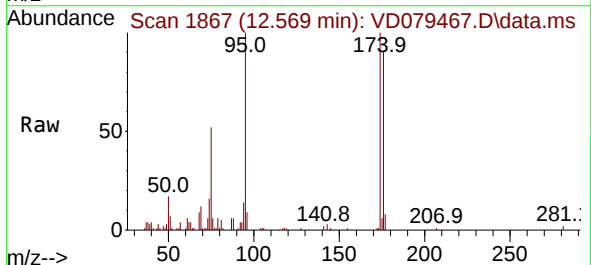
Instrument :
MSVOA_D
ClientSampleId :

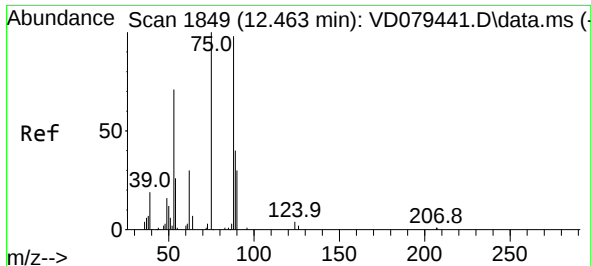
Tgt Ion:105 Resp: 669
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



#76
1,2,3-Trichloropropane
Concen: 57.687 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

Tgt Ion: 75 Resp: 29928
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

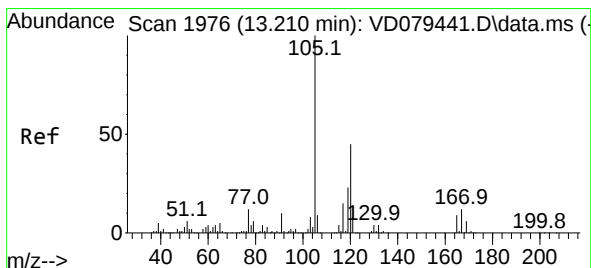
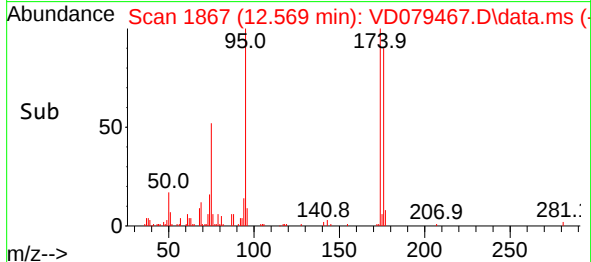
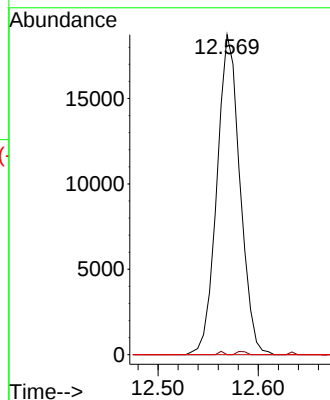
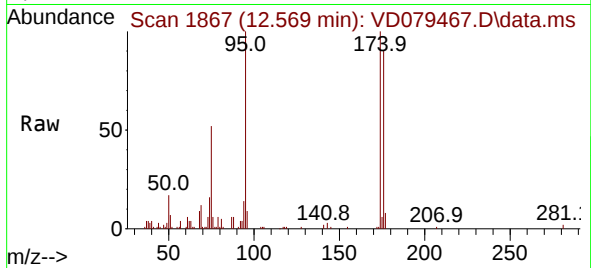




#81
trans-1,4-Dichloro-2-butene
Concen: 110.024 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

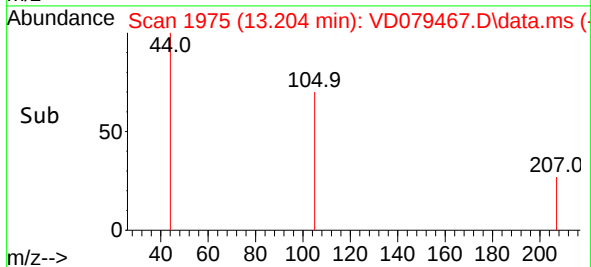
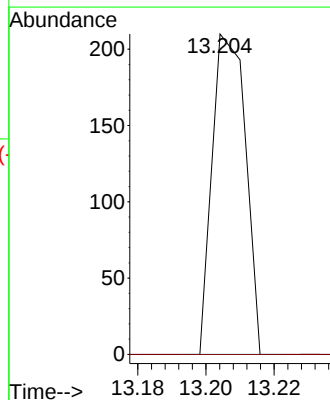
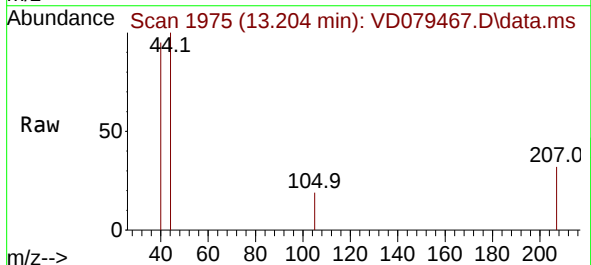
Instrument :
MSVOA_D
ClientSampleId :

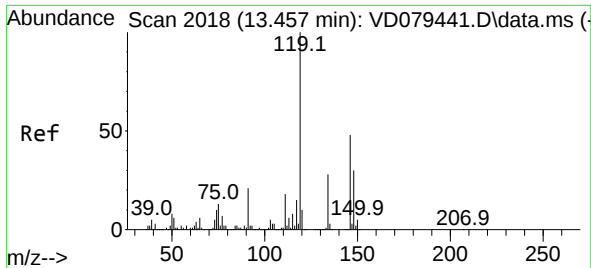
Tgt Ion: 75 Resp: 29928
Ion Ratio Lower Upper
75 100
53 0.2 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.464 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079467.D
Acq: 30 Jul 2024 19:06

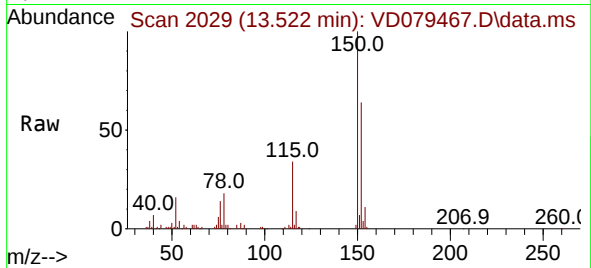
Tgt Ion: 105 Resp: 142
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#





#86
 p-Isopropyltoluene
 Concen: 3.905 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.065 min
 Lab File: VD079467.D
 Acq: 30 Jul 2024 19:06

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	119	Resp:	85
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	0.0	10.7	32.1#

