

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079547.D
 Acq On : 02 Aug 2024 17:30
 Operator : RP/MD
 Sample : P3414-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-07312024-A

Quant Time: Aug 02 19:01:58 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)

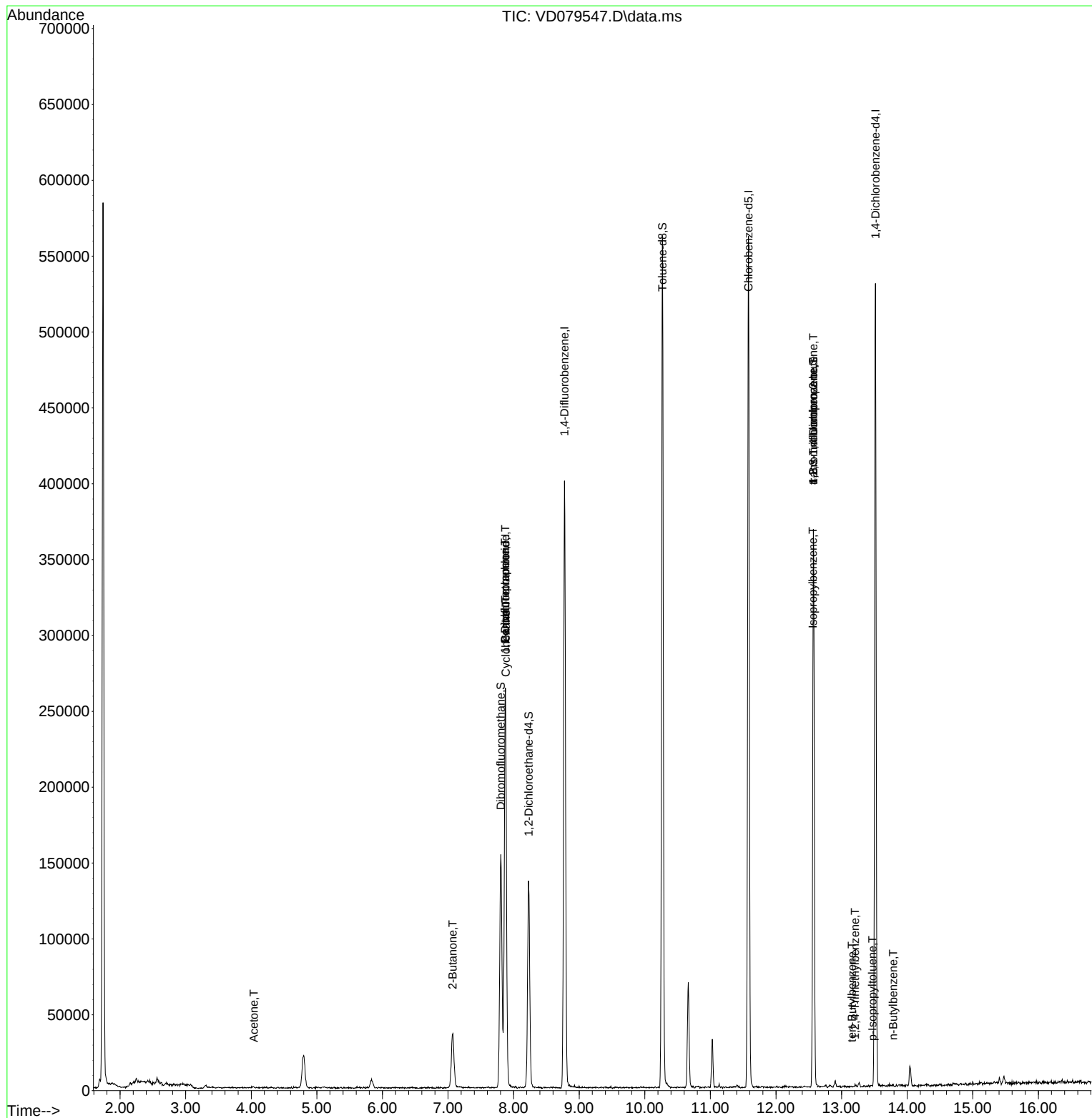
Internal Standards						
1) Pentafluorobenzene	7.875	168	211830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	365105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	334240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	151788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	105361	48.960	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.920%
35) Dibromofluoromethane	7.805	113	113813	46.056	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.120%
50) Toluene-d8	10.269	98	402718	41.965	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.920%
62) 4-Bromofluorobenzene	12.569	95	107131	38.577	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.160%
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	572	Below Cal	#	21
11) Tert butyl alcohol	5.052	59	54	Below Cal	#	86
13) Acrolein	3.934	56	57	Below Cal	#	15
16) Acetone	4.040	43	1116	2.668	ug/l #	37
20) Methylene Chloride	4.787	84	18117	Below Cal		88
25) 2-Butanone	7.069	43	1304	2.199	ug/l #	42
31) Cyclohexane	7.881	56	4384	1.227	ug/l #	28
36) 1,1-Dichloropropene	7.869	75	16805	4.982	ug/l #	48
38) Carbon Tetrachloride	7.875	117	21010	5.925	ug/l #	17
73) Isopropylbenzene	12.563	105	109	3.637	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	53272	40.151	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	53272	76.580	ug/l #	19
83) tert-Butylbenzene	13.157	119	66	3.635	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.204	105	896	3.516	ug/l	91
86) p-Isopropyltoluene	13.469	119	71	3.893	ug/l #	51
89) n-Butylbenzene	13.787	91	345	3.815	ug/l #	34

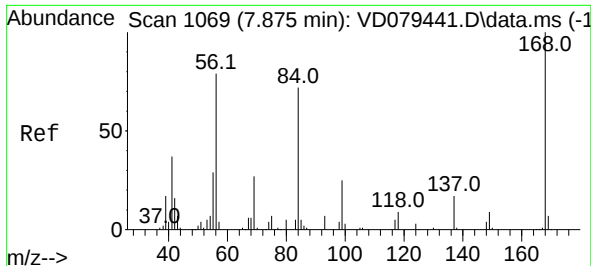
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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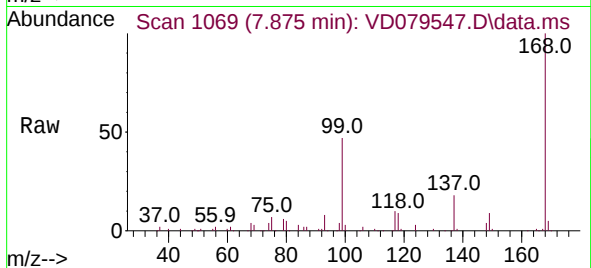
Quant Time: Aug 02 19:01:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



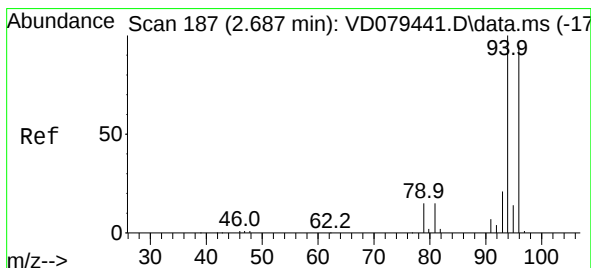
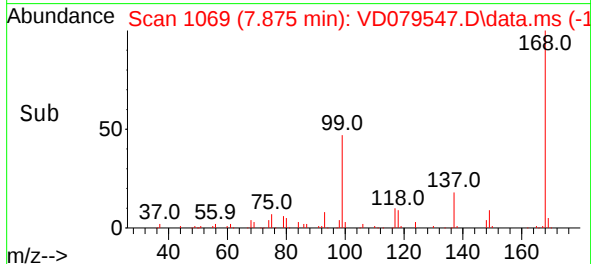
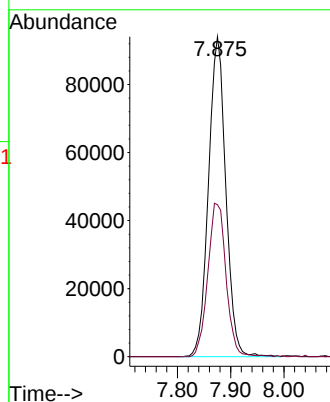


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

Instrument :
MSVOA_D
ClientSampleId :
PL-02-07312024-A

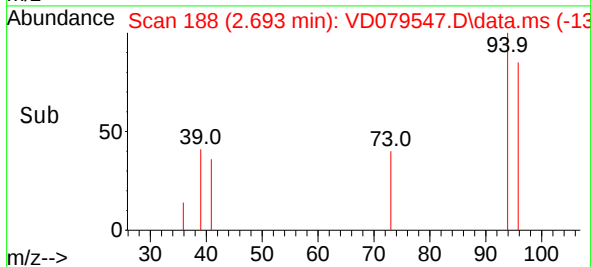
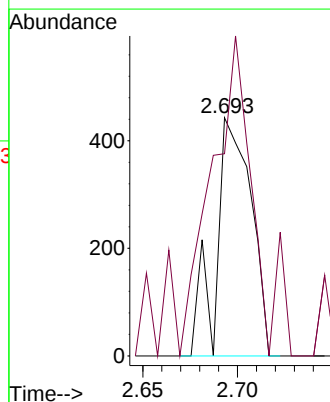
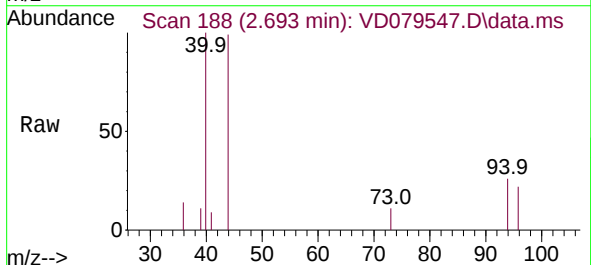


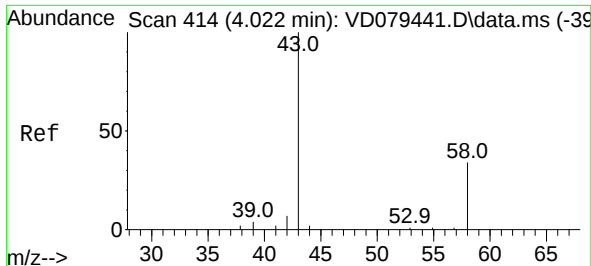
Tgt Ion:168 Resp: 211830
Ion Ratio Lower Upper
168 100
99 47.5 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

Tgt Ion: 94 Resp: 572
Ion Ratio Lower Upper
94 100
96 172.9 76.9 115.3#

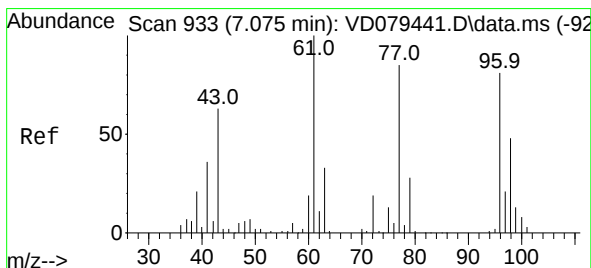
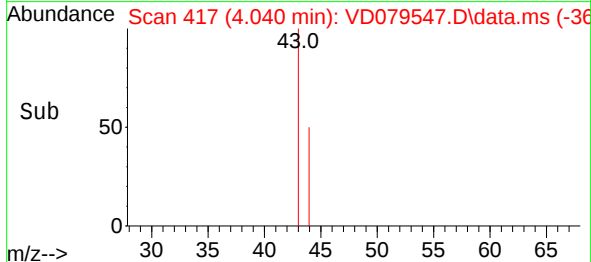
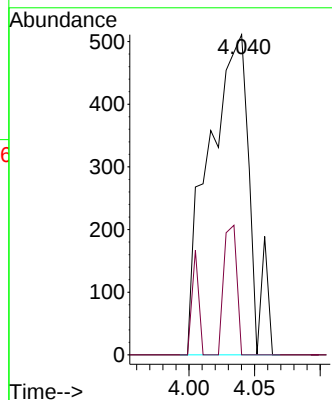
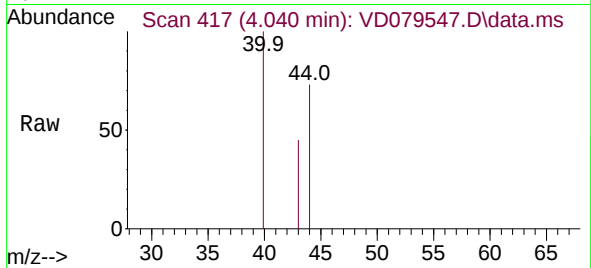




#16
Acetone
Concen: 2.668 ug/l
RT: 4.040 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

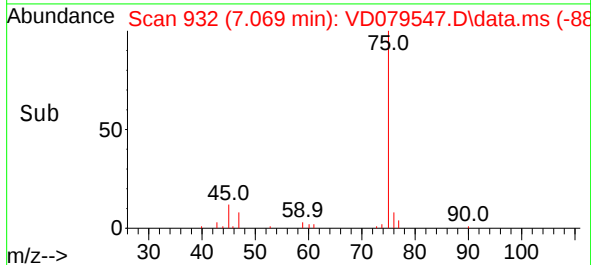
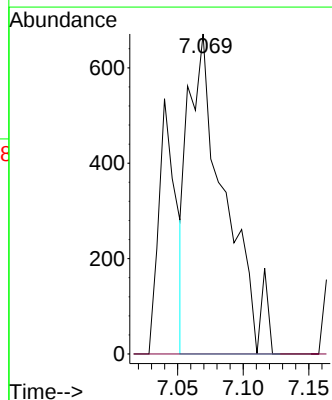
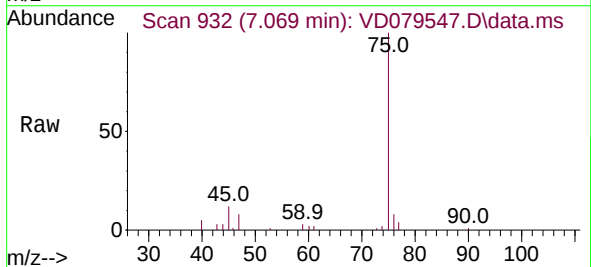
Instrument :
MSVOA_D
ClientSampleId :
PL-02-07312024-A

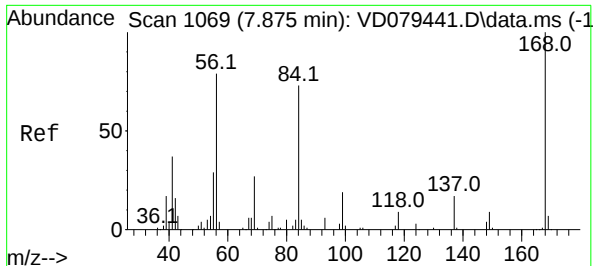
Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#25
2-Butanone
Concen: 2.199 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.023 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

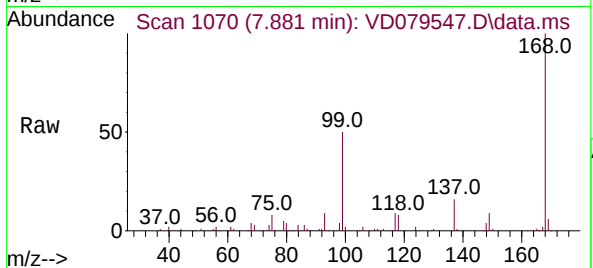
Tgt Ion: 43 Resp: 1304
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



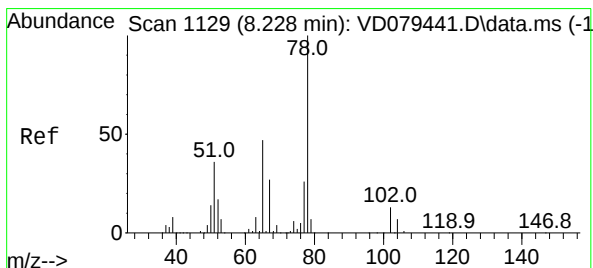
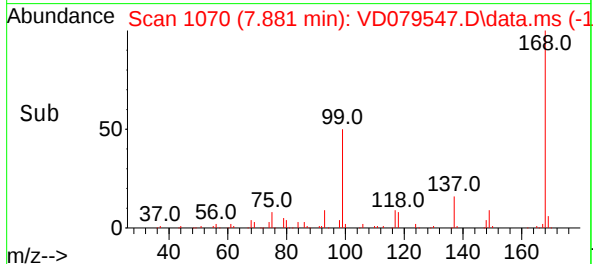
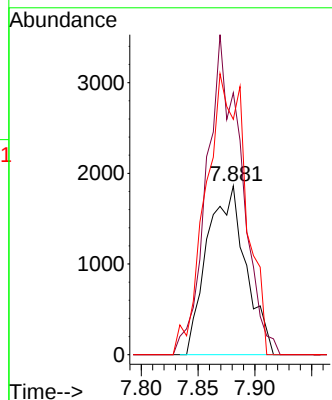


#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

Instrument :
MSVOA_D
ClientSampleId :
PL-02-07312024-A

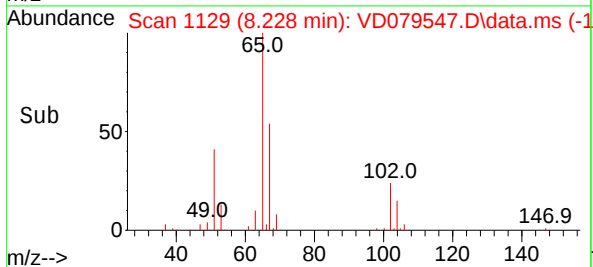
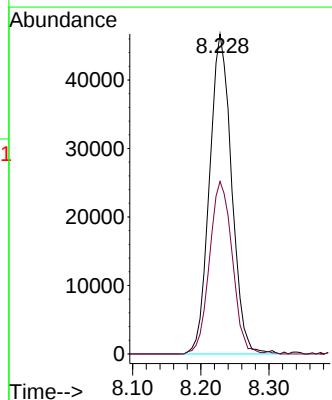
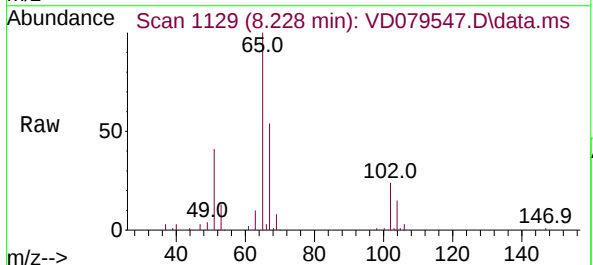


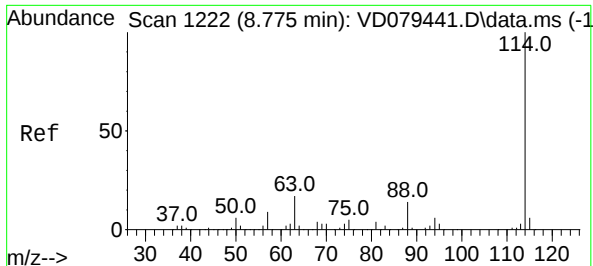
Tgt Ion: 56 Resp: 4384
Ion Ratio Lower Upper
56 100
69 155.2 28.0 42.0#
84 139.4 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 48.960 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

Tgt Ion: 65 Resp: 105361
Ion Ratio Lower Upper
65 100
67 55.5 0.0 111.0

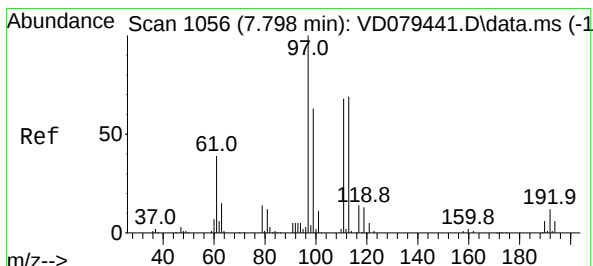
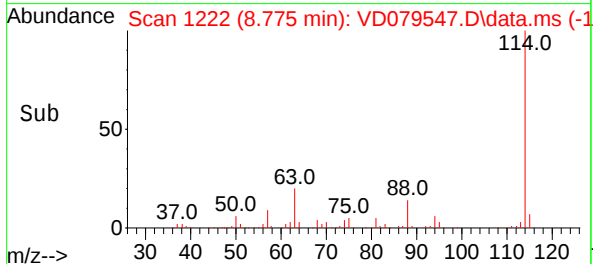
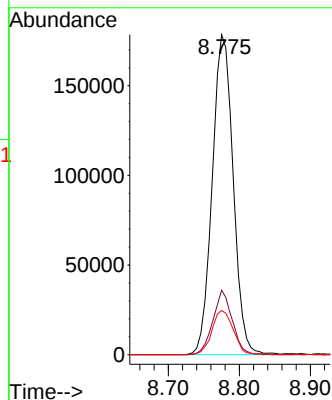
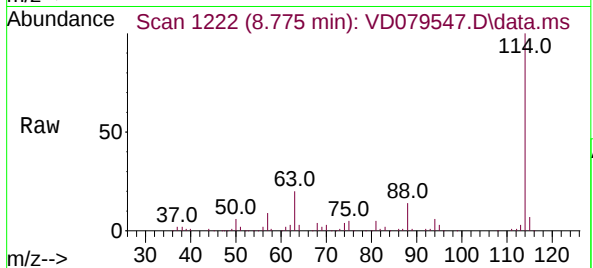




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

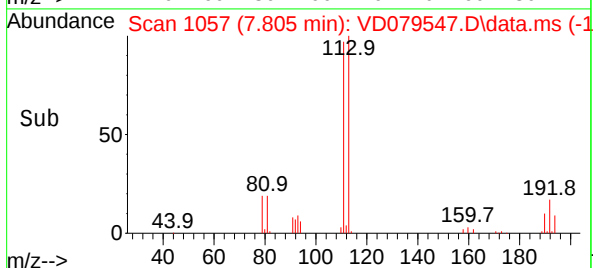
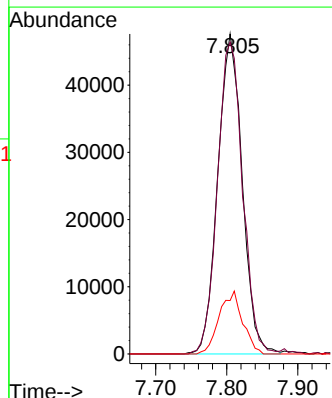
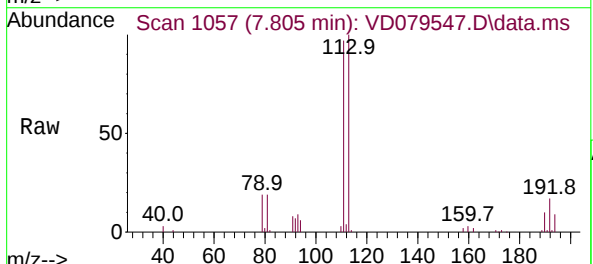
Instrument :
MSVOA_D
ClientSampleId :
PL-02-07312024-A

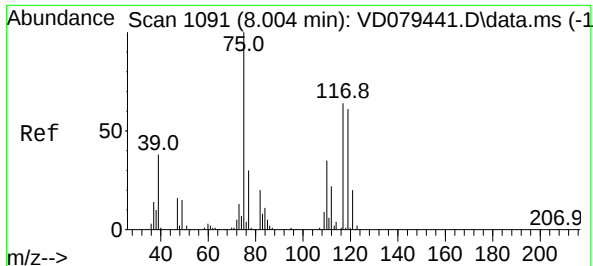
Tgt Ion:114 Resp: 365105
Ion Ratio Lower Upper
114 100
63 20.1 0.0 34.0
88 13.8 0.0 27.2



#35
Dibromofluoromethane
Concen: 46.056 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

Tgt Ion:113 Resp: 113813
Ion Ratio Lower Upper
113 100
111 100.2 84.0 126.0
192 18.8 15.4 23.0

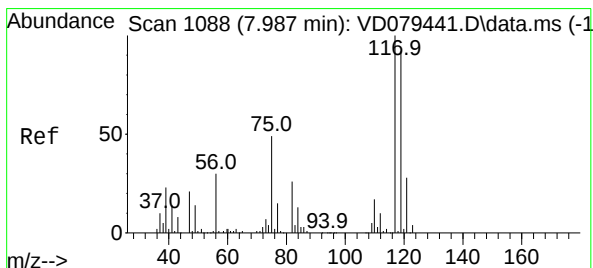
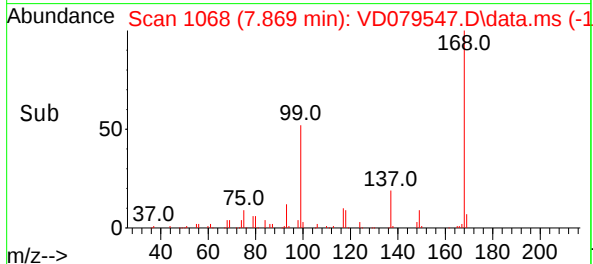
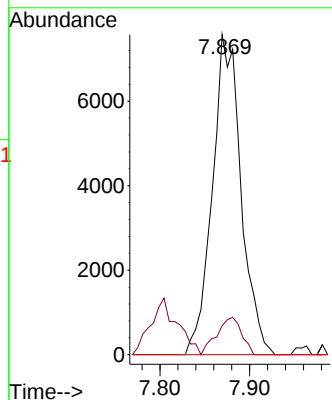
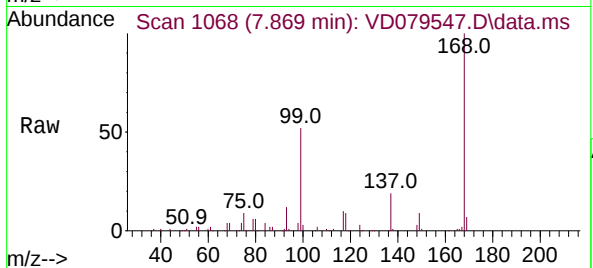




#36
 1,1-Dichloropropene
 Concen: 4.982 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VD079547.D
 Acq: 02 Aug 2024 17:30

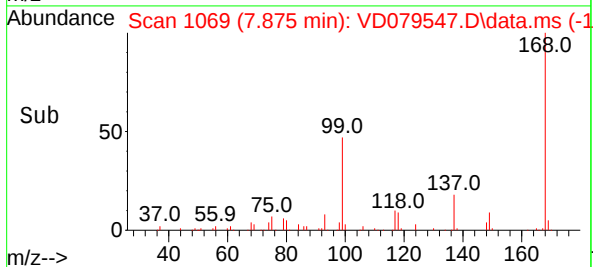
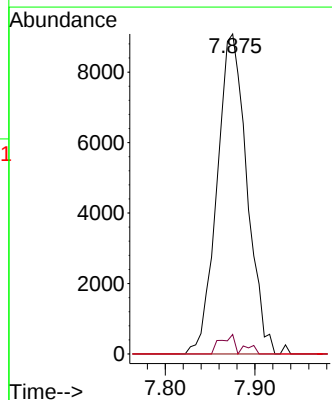
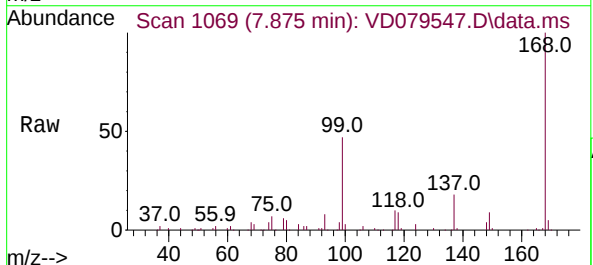
Instrument :
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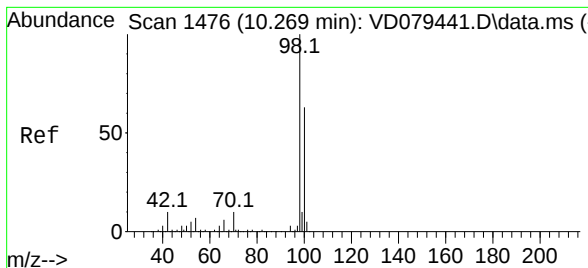
Tgt Ion: 75 Resp: 16805
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.6 58.7#
 77 0.0 26.1 39.1#



#38
 Carbon Tetrachloride
 Concen: 5.925 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.112 min
 Lab File: VD079547.D
 Acq: 02 Aug 2024 17:30

Tgt Ion: 117 Resp: 21010
 Ion Ratio Lower Upper
 117 100
 119 6.1 75.4 113.0#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 41.965 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079547.D

Acq: 02 Aug 2024 17:30

Instrument :

MSVOA_D

ClientSampleId :

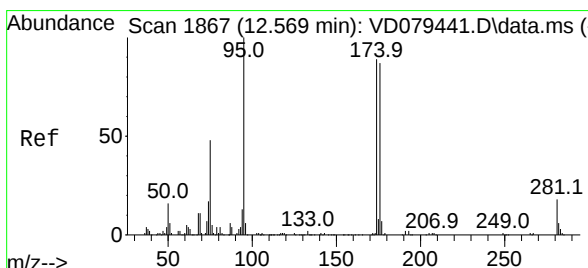
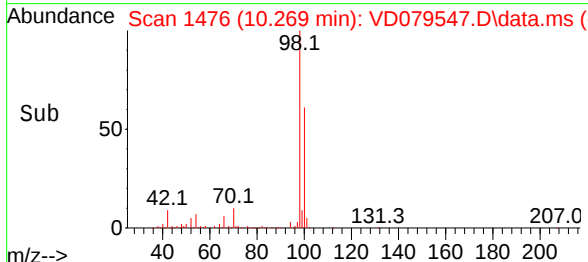
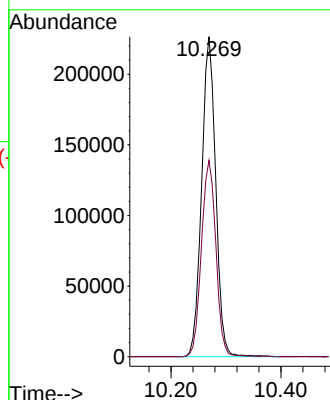
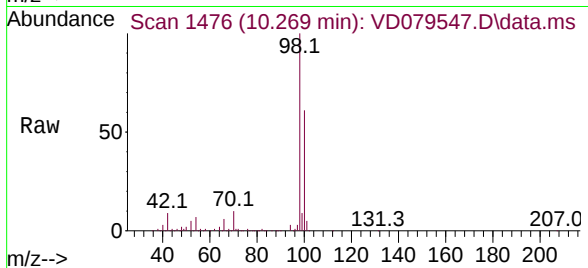
PL-02-07312024-A

Tgt Ion: 98 Resp: 402718

Ion Ratio Lower Upper

98 100

100 63.2 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 38.577 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD079547.D

Acq: 02 Aug 2024 17:30

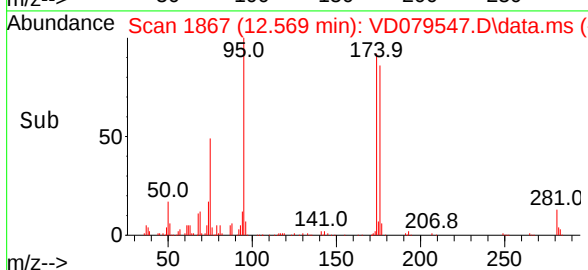
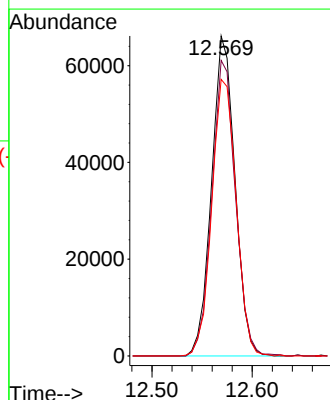
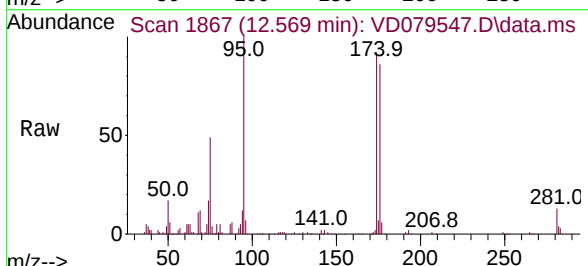
Tgt Ion: 95 Resp: 107131

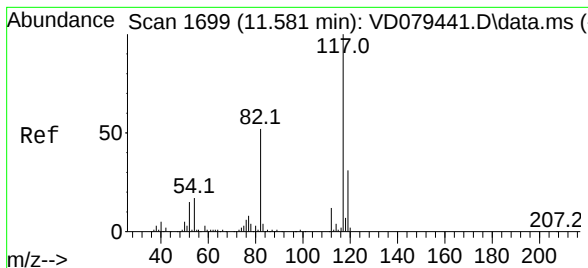
Ion Ratio Lower Upper

95 100

174 93.3 0.0 195.4

176 90.1 0.0 192.6

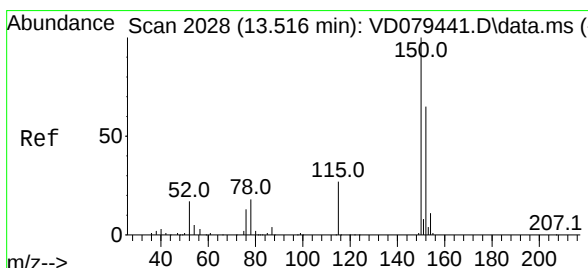
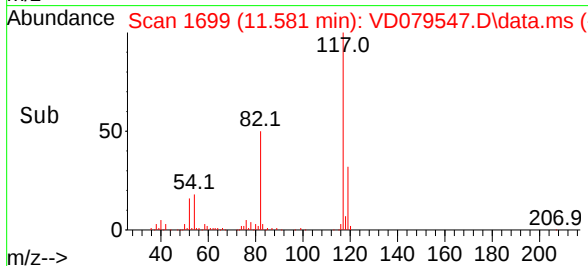
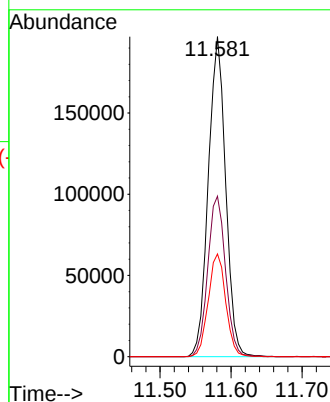
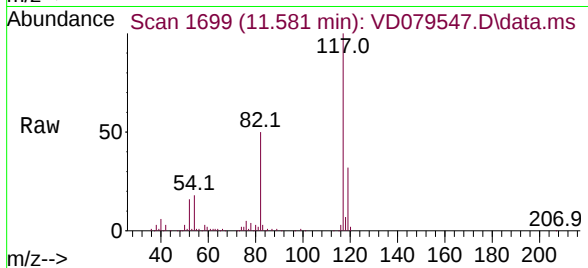




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

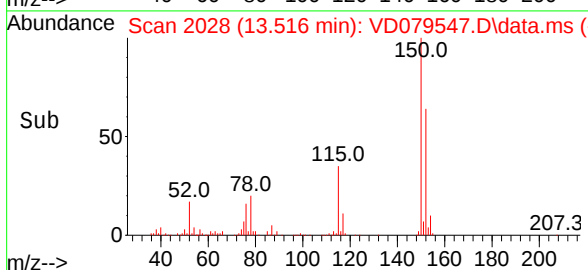
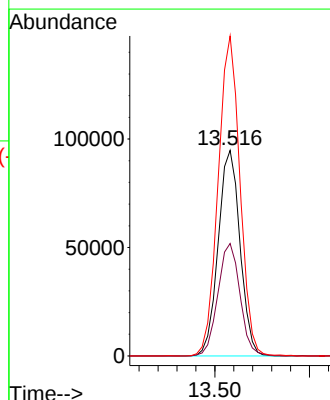
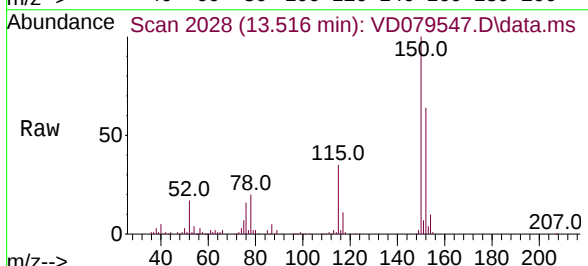
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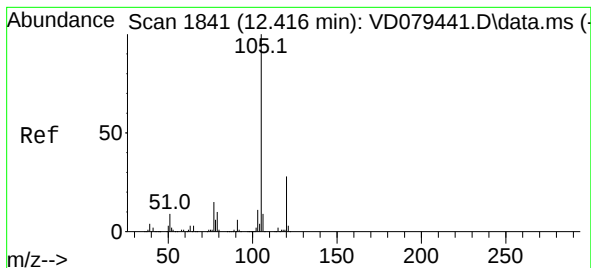
Tgt Ion:117 Resp: 334240
Ion Ratio Lower Upper
117 100
82 50.2 39.8 59.6
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

Tgt Ion:152 Resp: 151788
Ion Ratio Lower Upper
152 100
115 55.5 26.5 79.5
150 155.4 0.0 341.6





#73

Isopropylbenzene

Concen: 3.637 ug/l

RT: 12.563 min Scan# 1866

Delta R.T. 0.147 min

Lab File: VD079547.D

Acq: 02 Aug 2024 17:30

Instrument :

MSVOA_D

ClientSampleId :

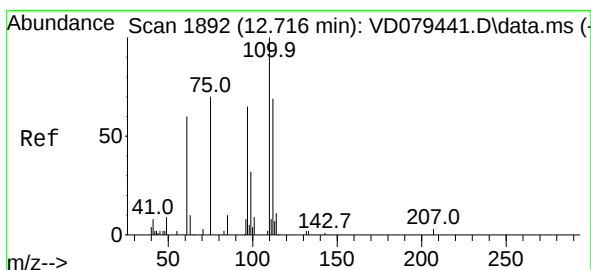
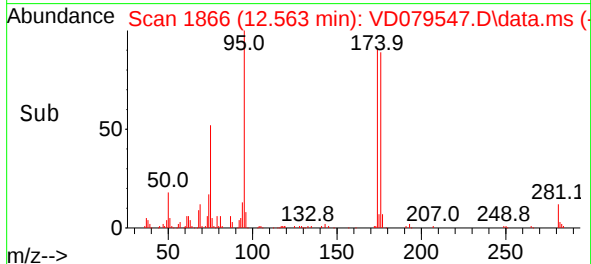
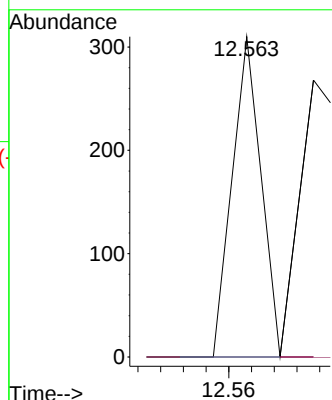
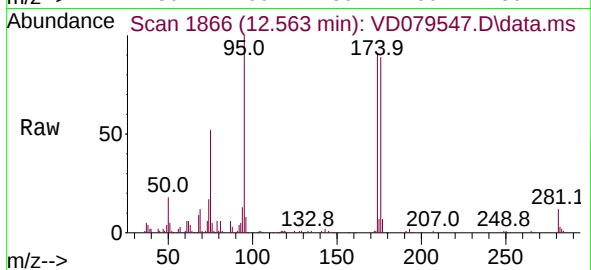
PL-02-07312024-A

Tgt Ion:105 Resp: 109

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 40.151 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079547.D

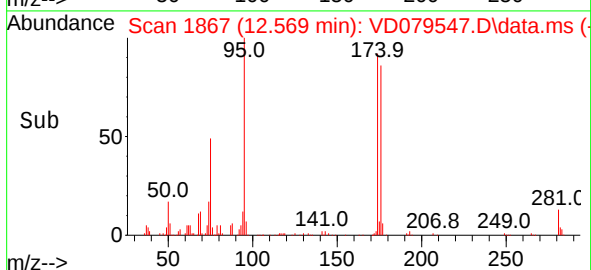
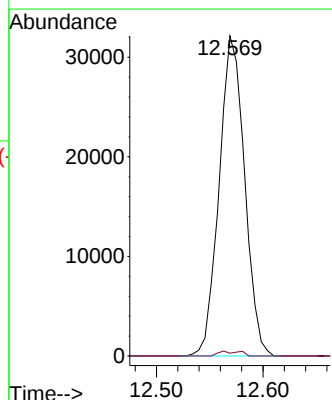
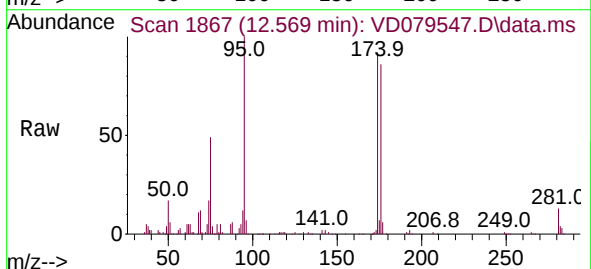
Acq: 02 Aug 2024 17:30

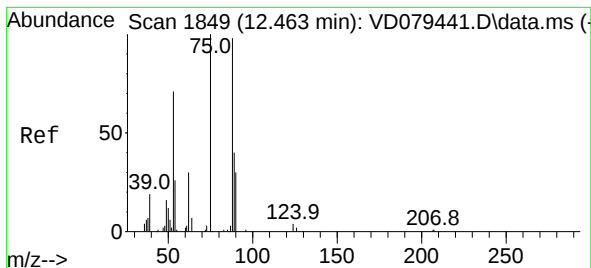
Tgt Ion: 75 Resp: 53272

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

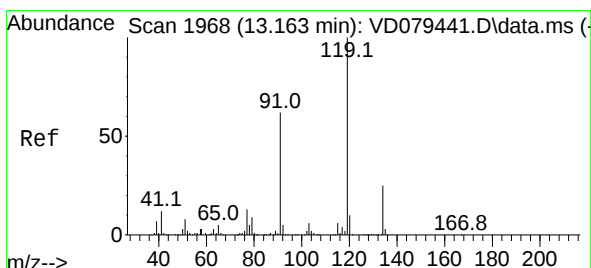
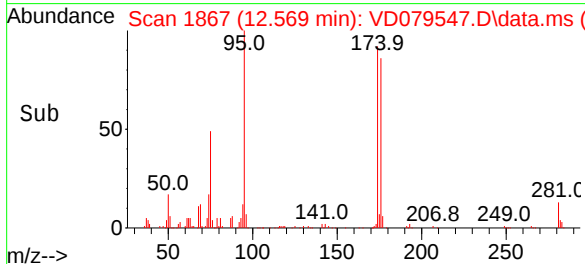
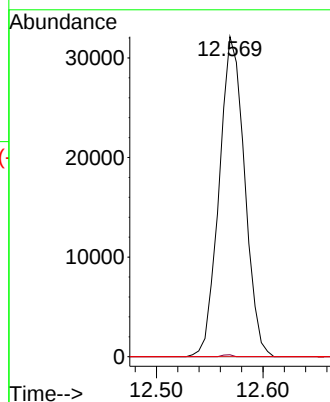
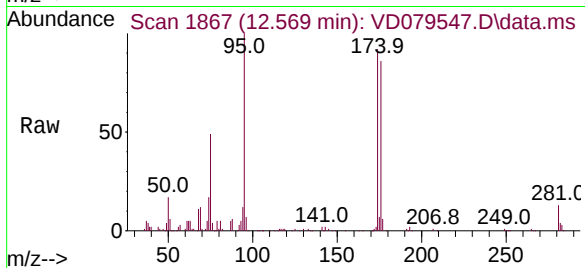




#81
trans-1,4-Dichloro-2-butene
Concen: 76.580 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

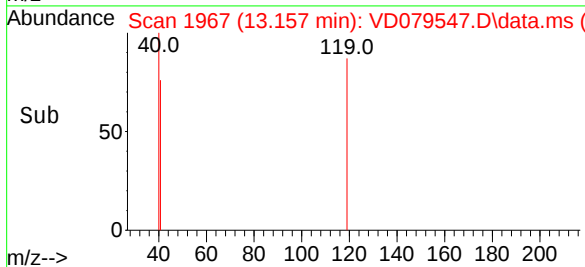
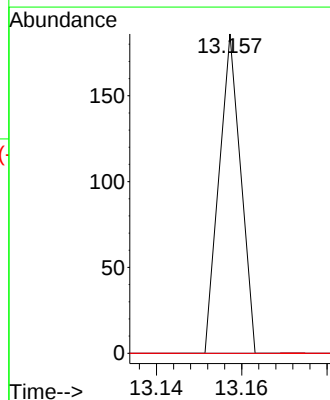
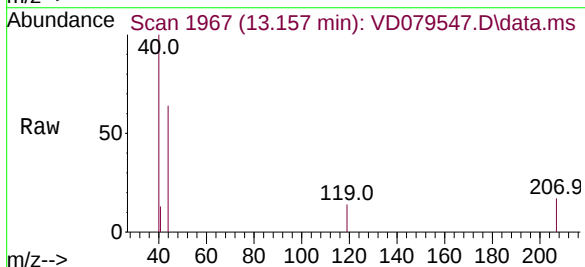
Instrument :
MSVOA_D
ClientSampleId :
PL-02-07312024-A

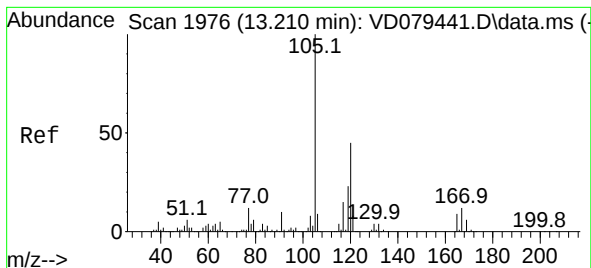
Tgt Ion: 75 Resp: 53272
Ion Ratio Lower Upper
75 100
53 0.2 61.4 92.2#
89 0.0 35.4 53.0#



#83
tert-Butylbenzene
Concen: 3.635 ug/l
RT: 13.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: VD079547.D
Acq: 02 Aug 2024 17:30

Tgt Ion: 119 Resp: 66
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#





#84

1,2,4-Trimethylbenzene

Concen: 3.516 ug/l

RT: 13.204 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079547.D

Acq: 02 Aug 2024 17:30

Instrument :

MSVOA_D

ClientSampleId :

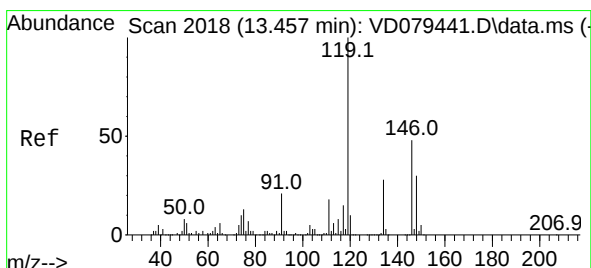
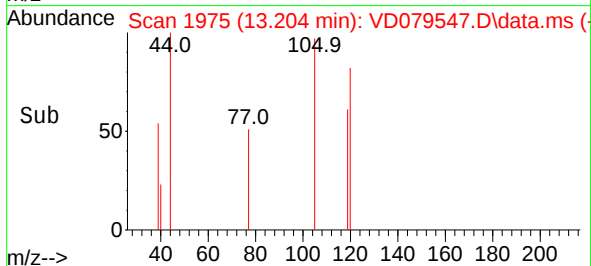
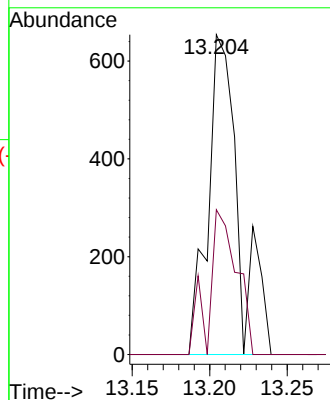
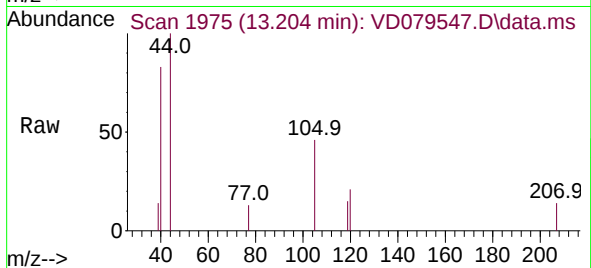
PL-02-07312024-A

Tgt Ion:105 Resp: 896

Ion Ratio Lower Upper

105 100

120 41.5 23.6 71.0



#86

p-Isopropyltoluene

Concen: 3.893 ug/l

RT: 13.469 min Scan# 2020

Delta R.T. 0.012 min

Lab File: VD079547.D

Acq: 02 Aug 2024 17:30

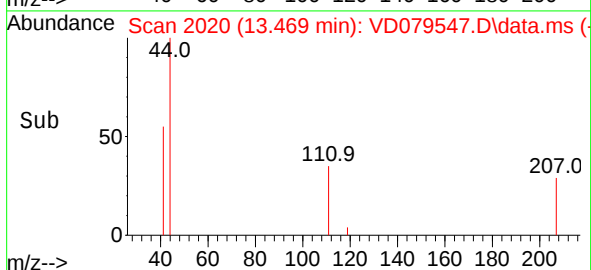
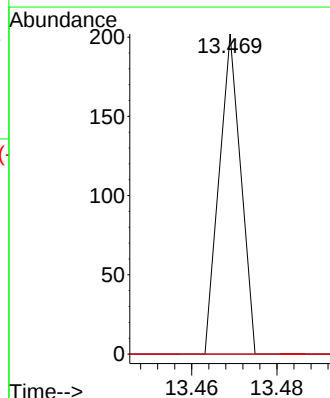
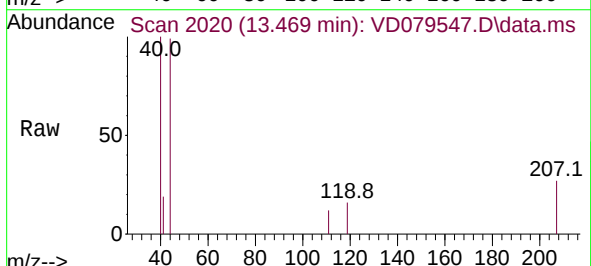
Tgt Ion:119 Resp: 71

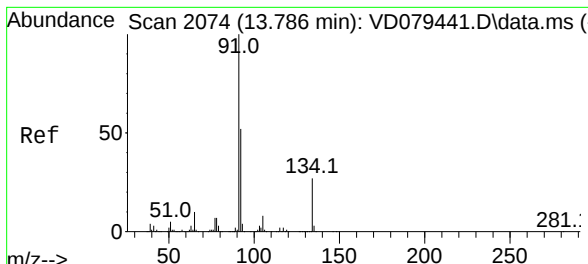
Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

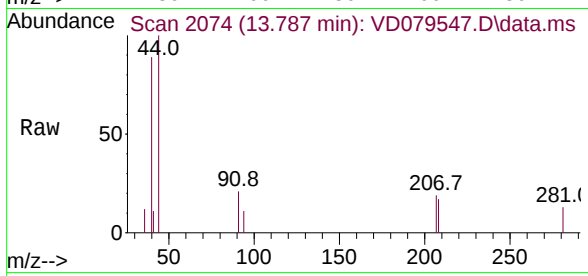
91 0.0 10.7 32.1#





#89
 n-Butylbenzene
 Concen: 3.815 ug/l
 RT: 13.787 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD079547.D
 Acq: 02 Aug 2024 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-07312024-A



Tgt Ion:	91	Resp:	345
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

