

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079546.D
 Acq On : 02 Aug 2024 17:03
 Operator : RP/MD
 Sample : P3414-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Aug 02 19:01:33 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)

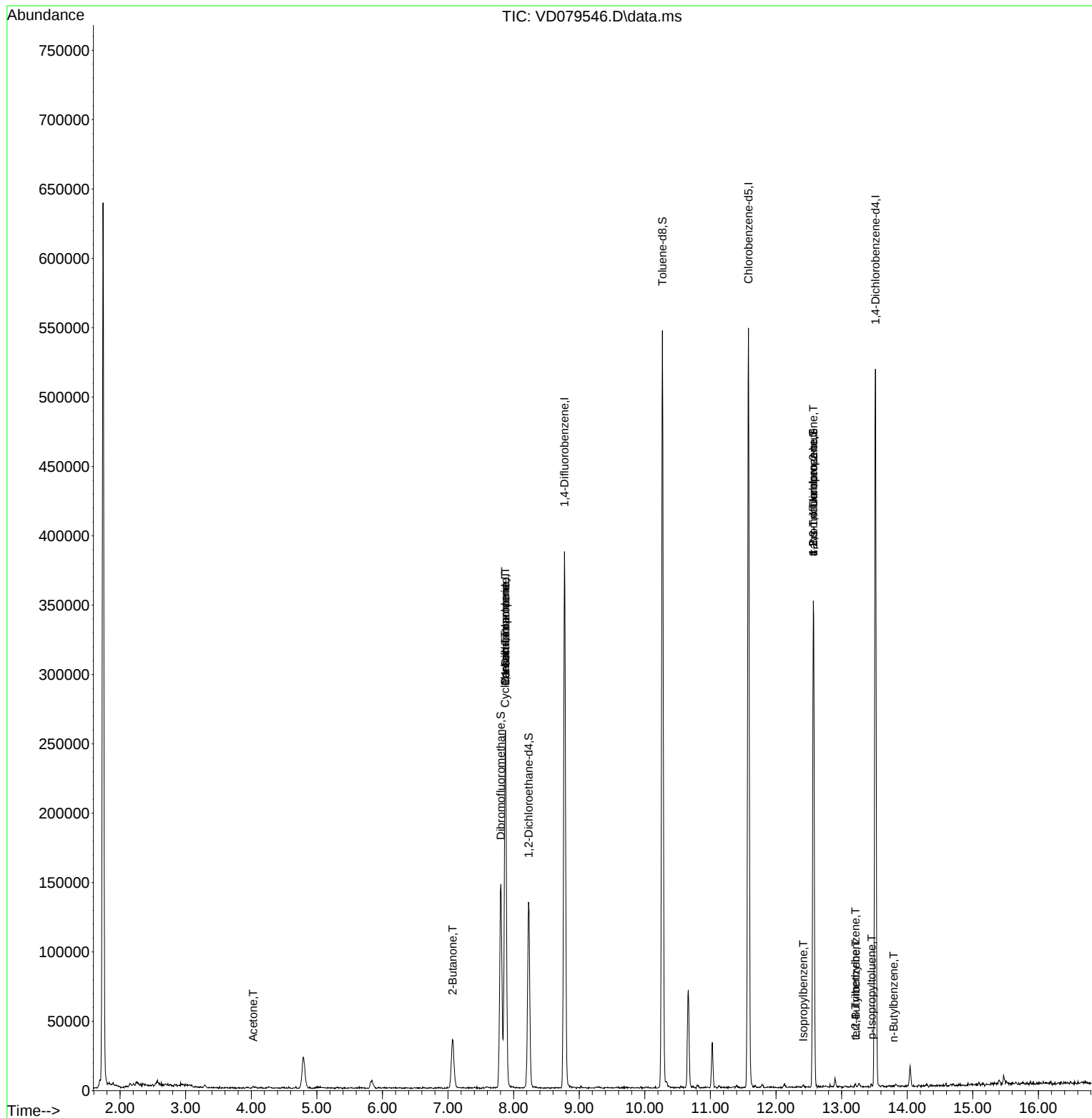
Internal Standards						
1) Pentafluorobenzene	7.875	168	206381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	351768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	323757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	145093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	103415	49.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.640%
35) Dibromofluoromethane	7.805	113	109503	45.992	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.980%
50) Toluene-d8	10.269	98	388246	41.991	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.980%
62) 4-Bromofluorobenzene	12.569	95	104146	38.924	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.840%
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	897	Below Cal		85
11) Tert butyl alcohol	5.046	59	280	Below Cal	#	86
13) Acrolein	3.817	56	60	Below Cal	#	15
16) Acetone	4.028	43	846	2.076 ug/l	#	86
20) Methylene Chloride	4.799	84	17835	Below Cal	#	92
25) 2-Butanone	7.069	43	1883	3.260 ug/l	#	42
31) Cyclohexane	7.869	56	5126	1.472 ug/l	#	56
36) 1,1-Dichloropropene	7.875	75	16379	5.040 ug/l	#	41
38) Carbon Tetrachloride	7.875	117	19272	5.641 ug/l	#	18
73) Isopropylbenzene	12.416	105	1167	3.727 ug/l		78
76) 1,2,3-Trichloropropane	12.569	75	51123	40.310 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.569	75	51123	76.881 ug/l	#	19
83) tert-Butylbenzene	13.216	119	162	3.647 ug/l	#	31
84) 1,2,4-Trimethylbenzene	13.210	105	1666	3.599 ug/l		85
86) p-Isopropyltoluene	13.457	119	70	3.893 ug/l	#	1
89) n-Butylbenzene	13.793	91	274	3.809 ug/l	#	34

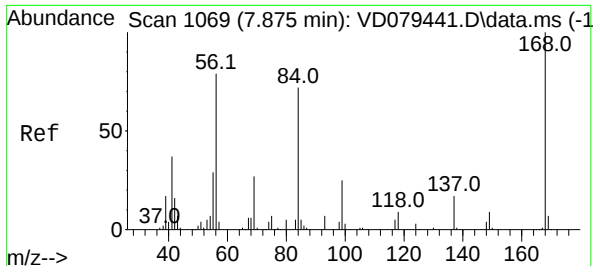
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_D\Data\VD080224\
Data File : VD079546.D
Acq On : 02 Aug 2024 17:03
Operator : RP/MD
Sample : P3414-03
Misc : 5.05G/5.0ml/MSV0A_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSV0A_D
ClientSampleId :
PL-02-07312024-B

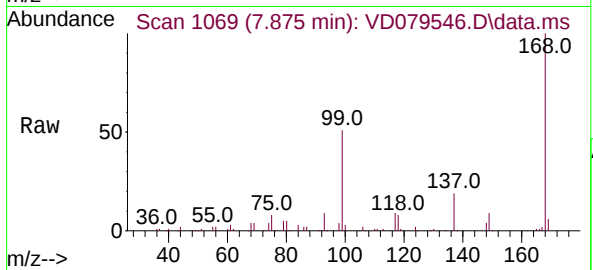
Quant Time: Aug 02 19:01:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



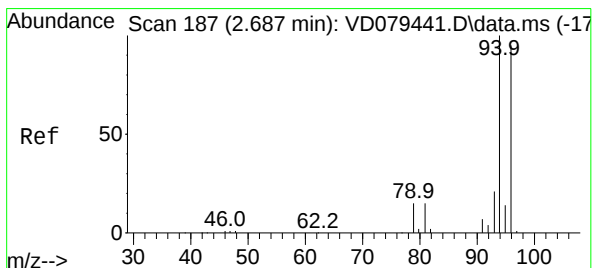
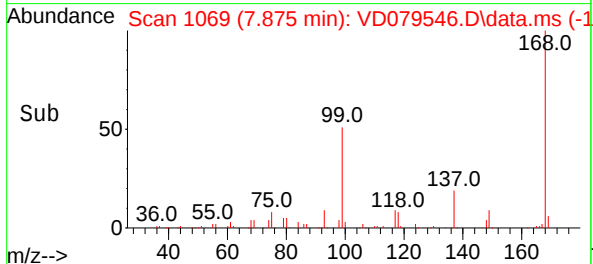
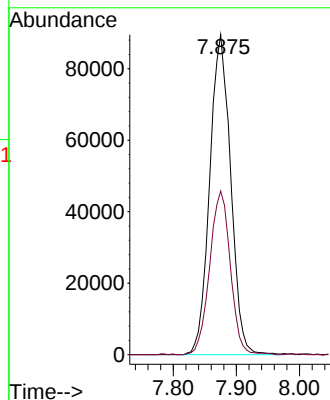


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

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

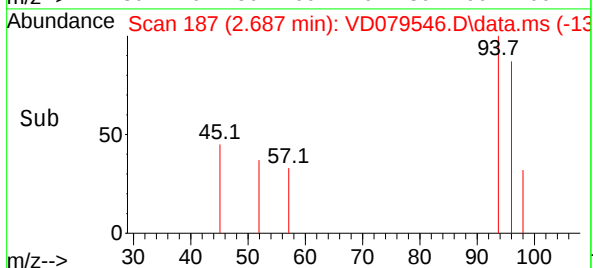
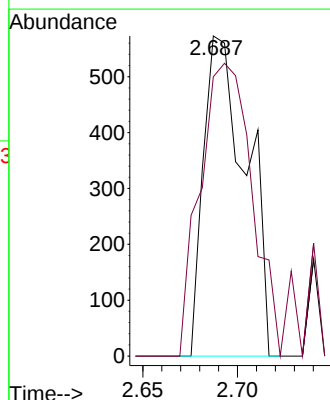
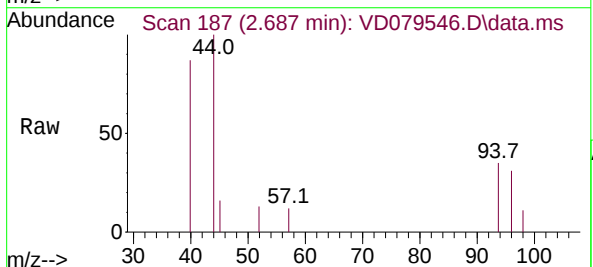


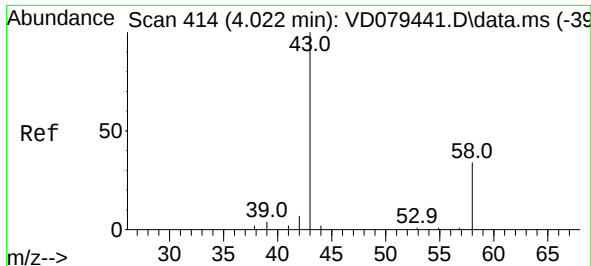
Tgt Ion:168 Resp: 206381
Ion Ratio Lower Upper
168 100
99 51.1 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

Tgt Ion: 94 Resp: 897
Ion Ratio Lower Upper
94 100
96 111.1 76.9 115.3

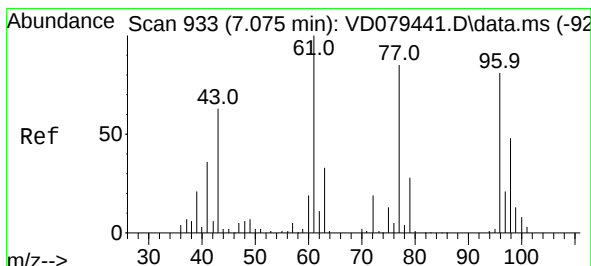
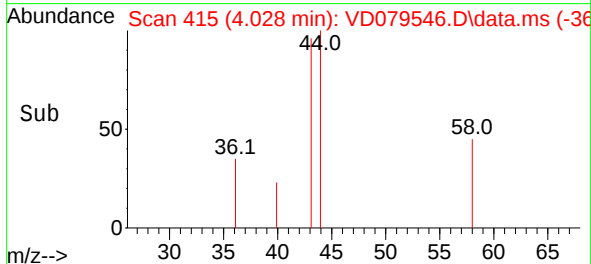
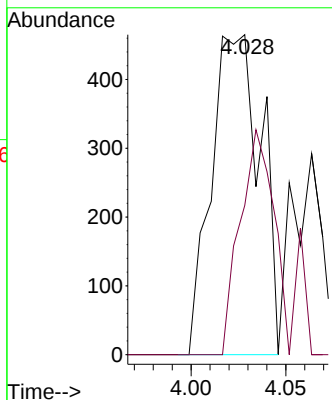
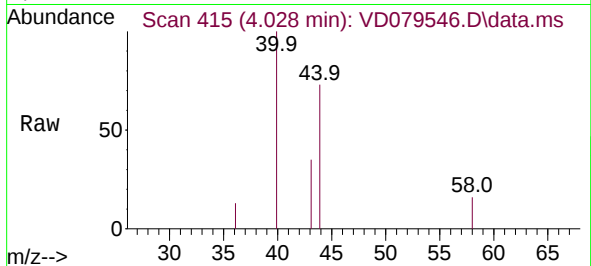




#16
Acetone
Concen: 2.076 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

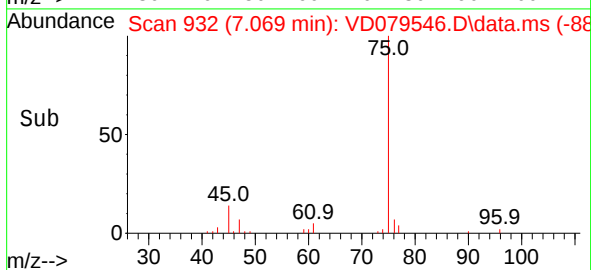
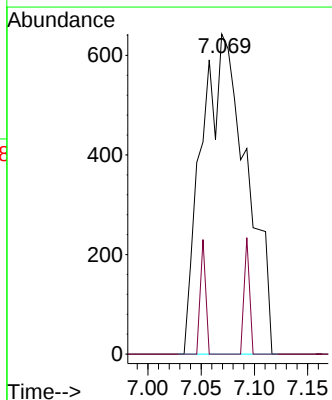
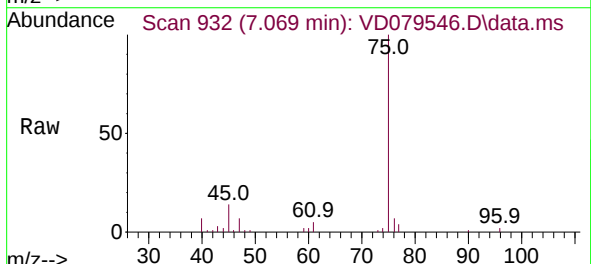
Instrument :
MSVOA_D
ClientSampleId :
PL-02-07312024-B

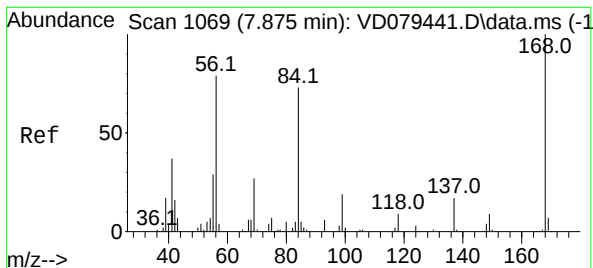
Tgt Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
58 46.7 30.4 45.6#



#25
2-Butanone
Concen: 3.260 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.023 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

Tgt Ion: 43 Resp: 1883
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#





#31

Cyclohexane

Concen: 1.472 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD079546.D

Acq: 02 Aug 2024 17:03

Instrument :

MSVOA_D

ClientSampleId :

PL-02-07312024-B

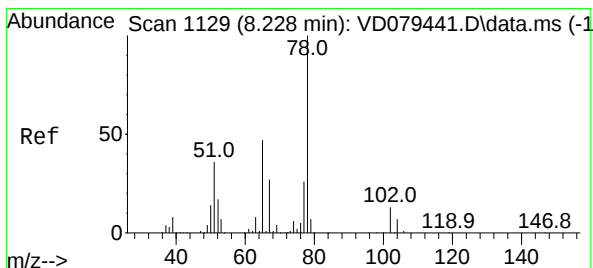
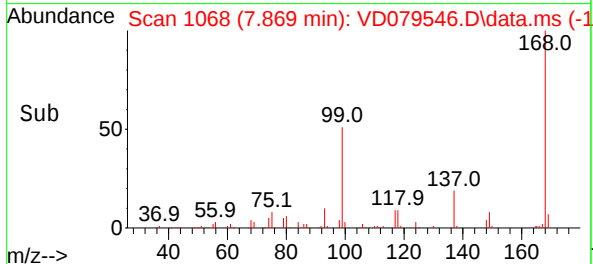
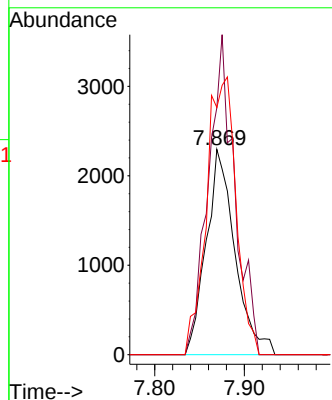
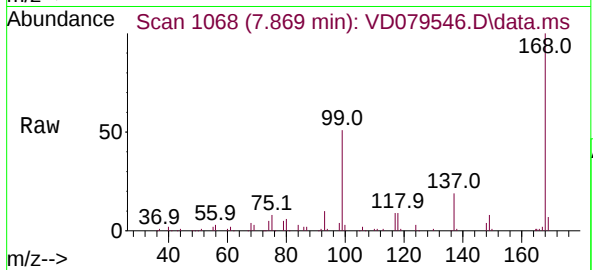
Tgt Ion: 56 Resp: 5126

Ion Ratio Lower Upper

56 100

69 120.4 28.0 42.0#

84 120.5 87.4 131.0



#33

1,2-Dichloroethane-d4

Concen: 49.324 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079546.D

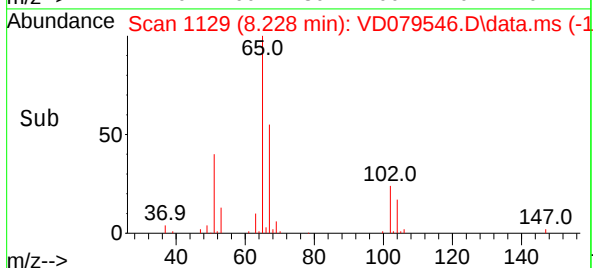
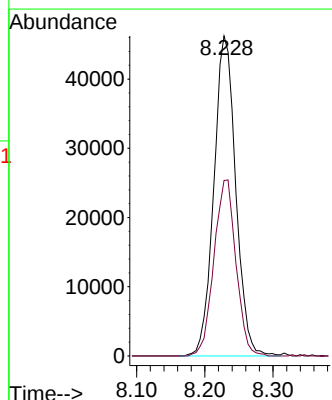
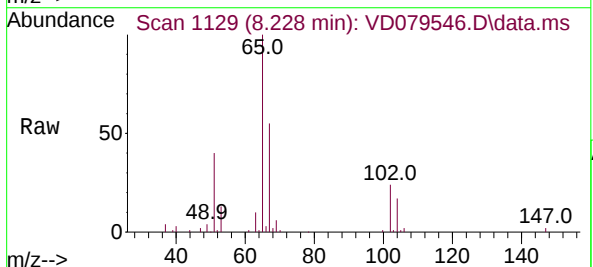
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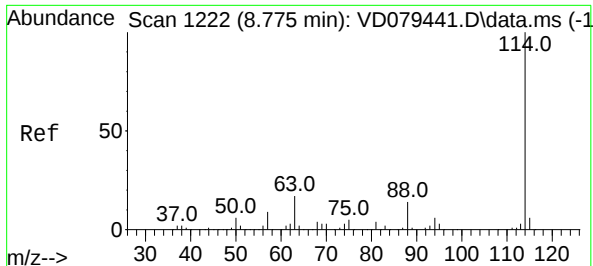
Tgt Ion: 65 Resp: 103415

Ion Ratio Lower Upper

65 100

67 55.3 0.0 111.0

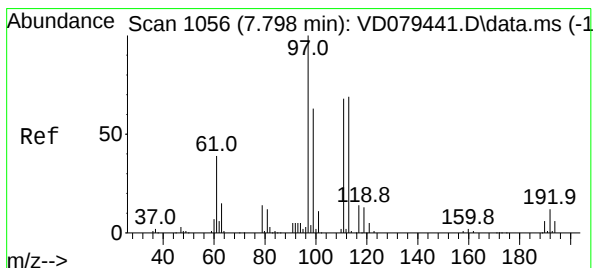
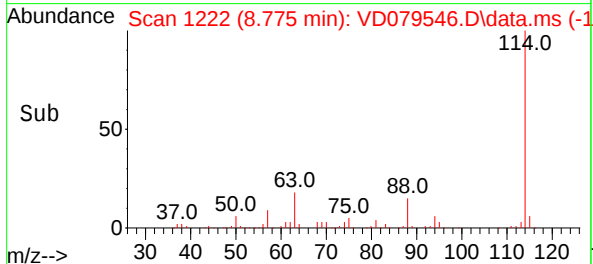
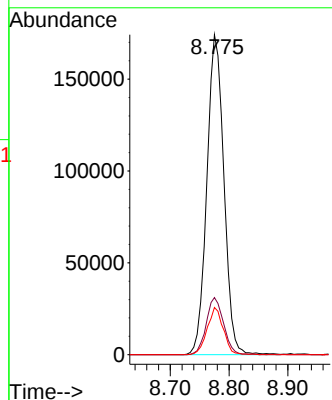
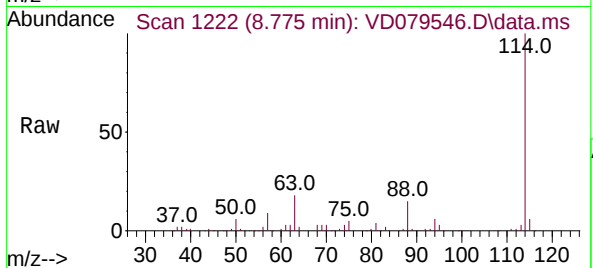




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

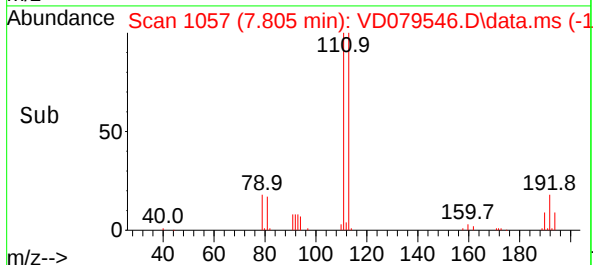
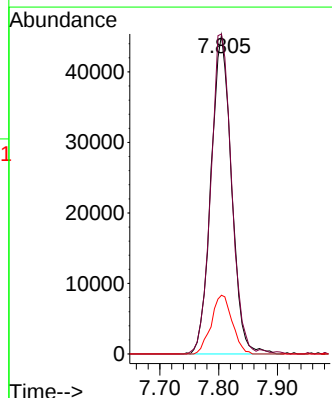
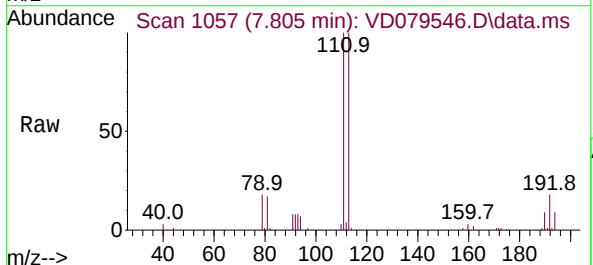
Instrument :
MSVOA_D
ClientSampleId :
PL-02-07312024-B

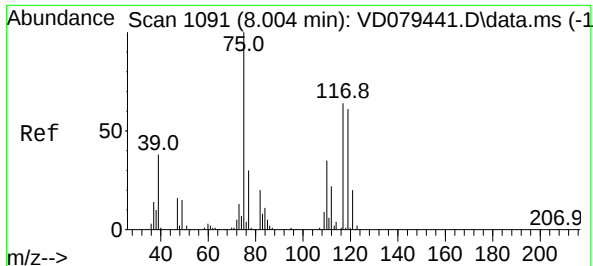
Tgt Ion:114 Resp: 351768
Ion Ratio Lower Upper
114 100
63 17.9 0.0 34.0
88 14.7 0.0 27.2



#35
Dibromofluoromethane
Concen: 45.992 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

Tgt Ion:113 Resp: 109503
Ion Ratio Lower Upper
113 100
111 101.2 84.0 126.0
192 18.8 15.4 23.0

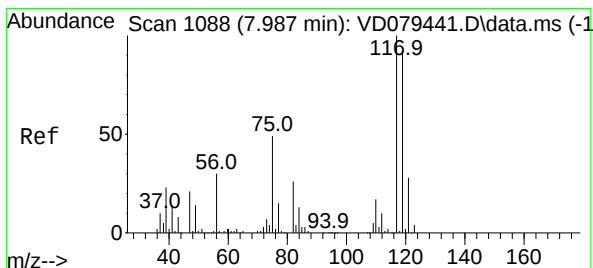
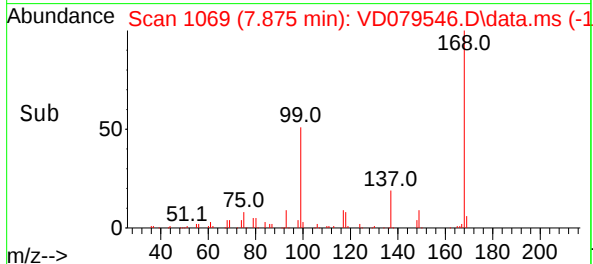
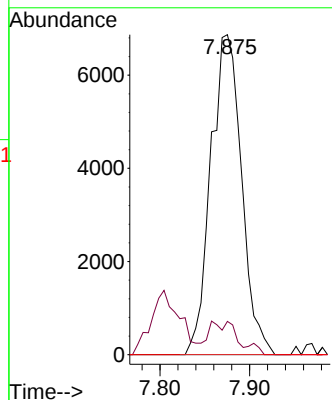
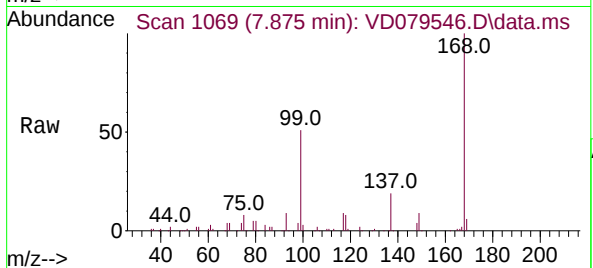




#36
1,1-Dichloropropene
Concen: 5.040 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

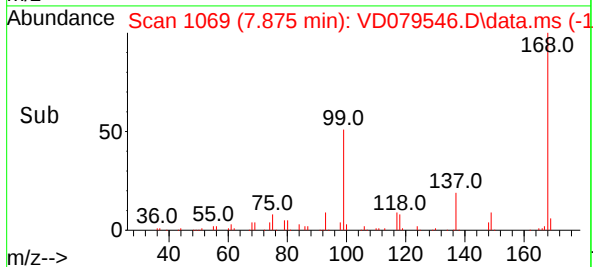
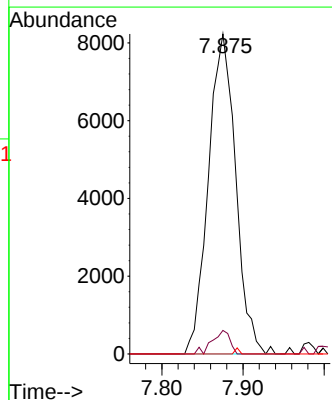
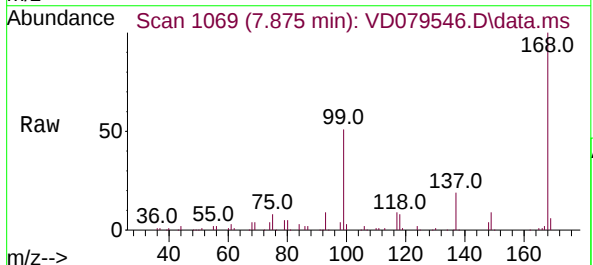
Instrument :
MSVOA_D
ClientSampleId :
PL-02-07312024-B

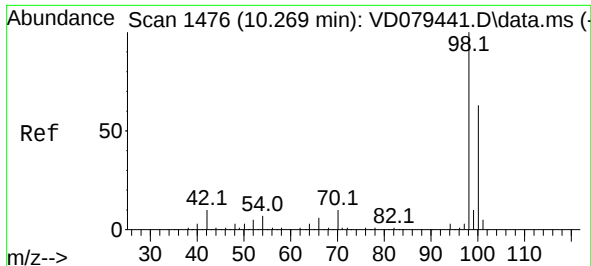
Tgt Ion: 75 Resp: 16379
Ion Ratio Lower Upper
75 100
110 2.6 19.6 58.7#
77 0.0 26.1 39.1#



#38
Carbon Tetrachloride
Concen: 5.641 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

Tgt Ion: 117 Resp: 19272
Ion Ratio Lower Upper
117 100
119 7.3 75.4 113.0#
121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 41.991 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079546.D

Acq: 02 Aug 2024 17:03

Instrument :

MSVOA_D

ClientSampleId :

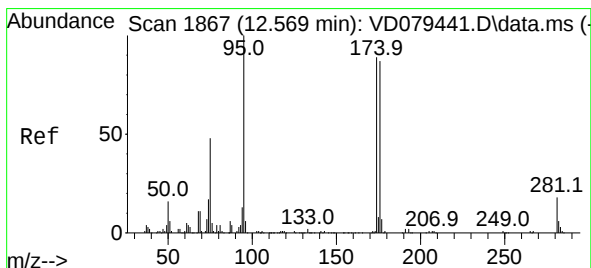
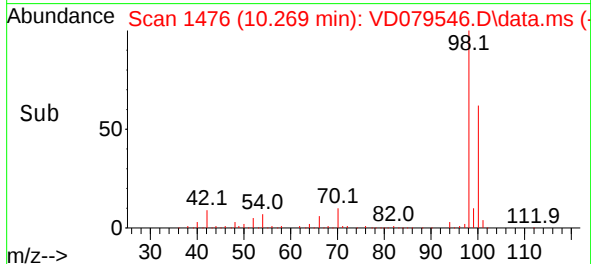
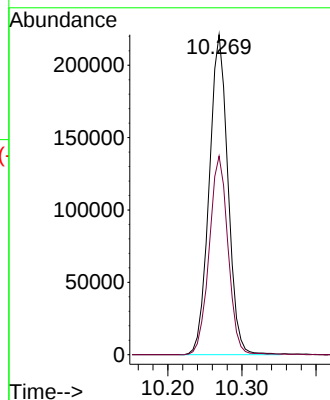
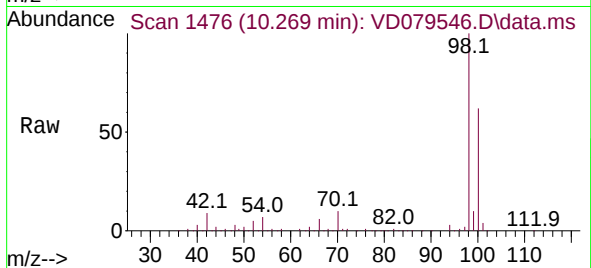
PL-02-07312024-B

Tgt Ion: 98 Resp: 388246

Ion Ratio Lower Upper

98 100

100 62.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 38.924 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD079546.D

Acq: 02 Aug 2024 17:03

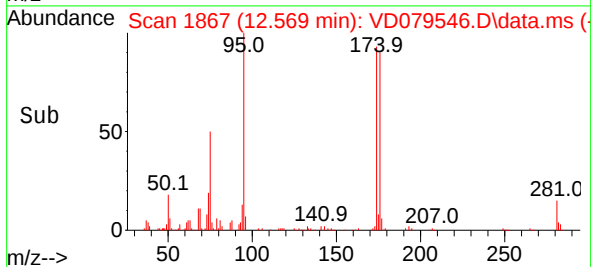
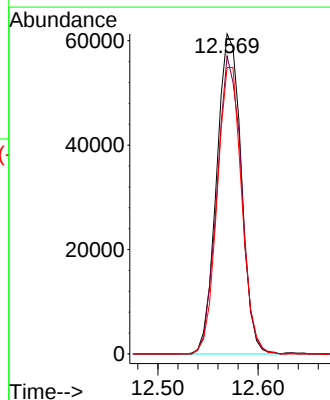
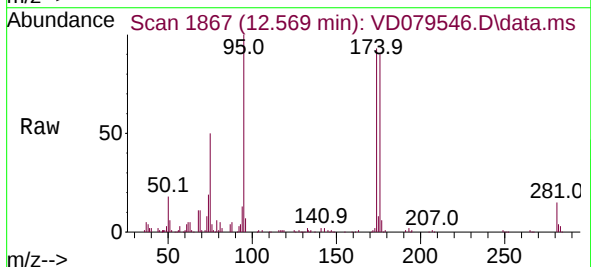
Tgt Ion: 95 Resp: 104146

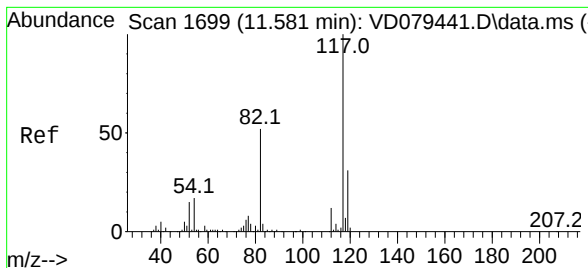
Ion Ratio Lower Upper

95 100

174 92.8 0.0 195.4

176 89.5 0.0 192.6

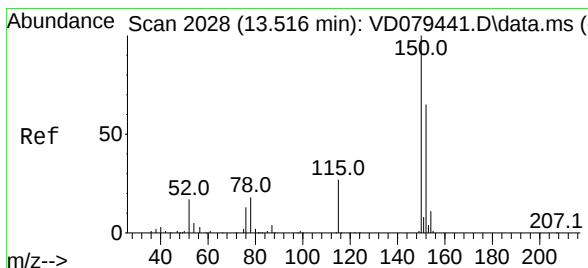
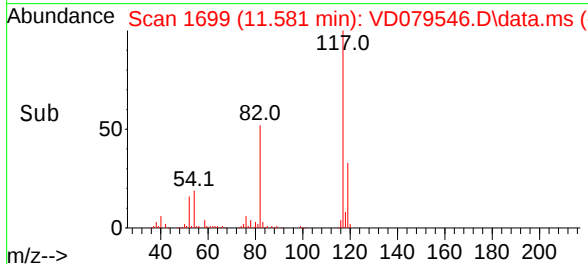
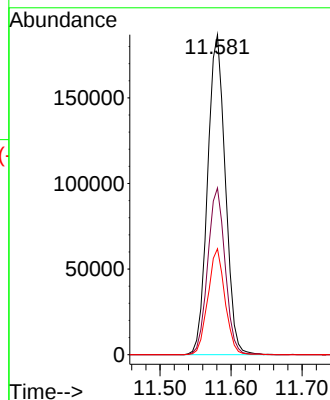
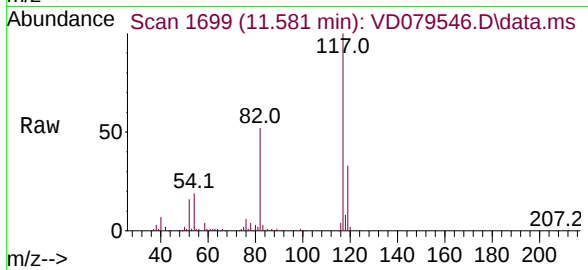




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

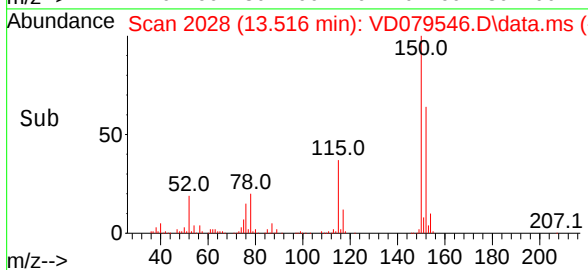
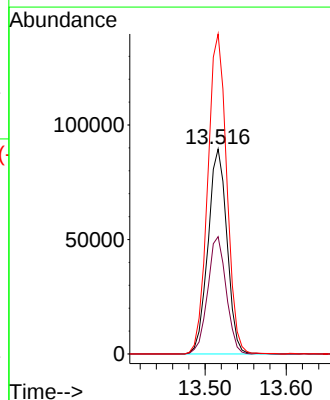
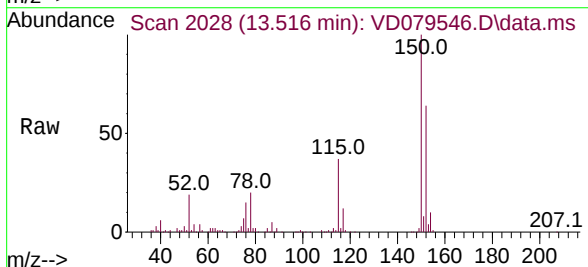
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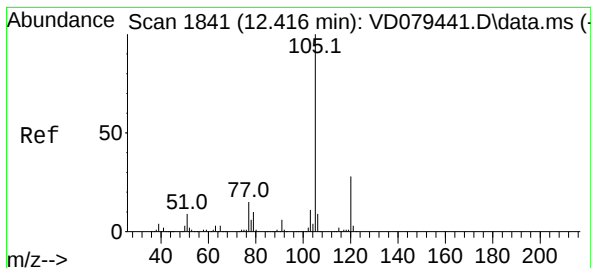
Tgt Ion:117 Resp: 323757
Ion Ratio Lower Upper
117 100
82 52.1 39.8 59.6
119 33.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

Tgt Ion:152 Resp: 145093
Ion Ratio Lower Upper
152 100
115 55.9 26.5 79.5
150 156.2 0.0 341.6





#73

Isopropylbenzene

Concen: 3.727 ug/l

RT: 12.416 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VD079546.D

Acq: 02 Aug 2024 17:03

Instrument :

MSVOA_D

ClientSampleId :

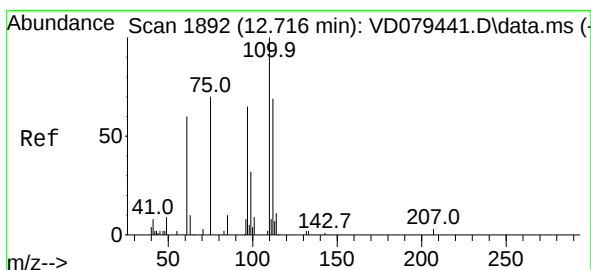
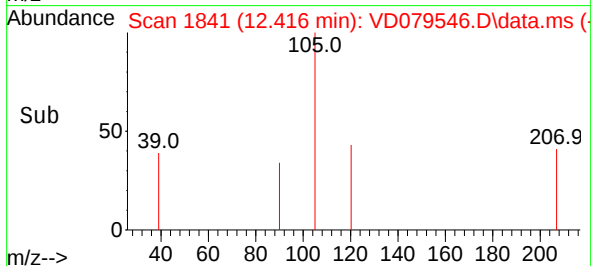
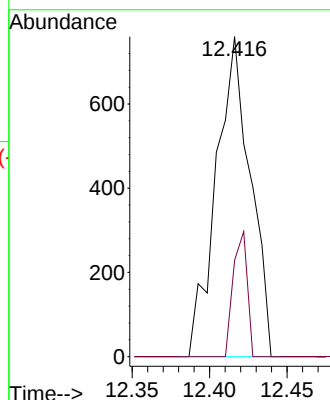
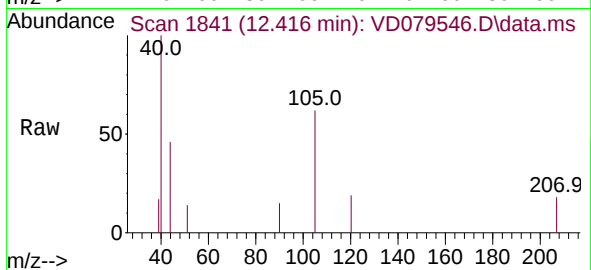
PL-02-07312024-B

Tgt Ion:105 Resp: 1167

Ion Ratio Lower Upper

105 100

120 15.9 13.6 40.7



#76

1,2,3-Trichloropropane

Concen: 40.310 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079546.D

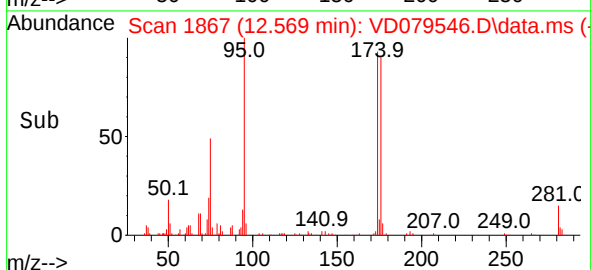
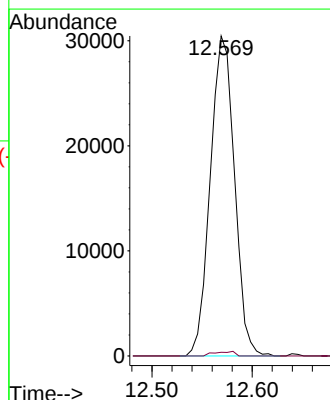
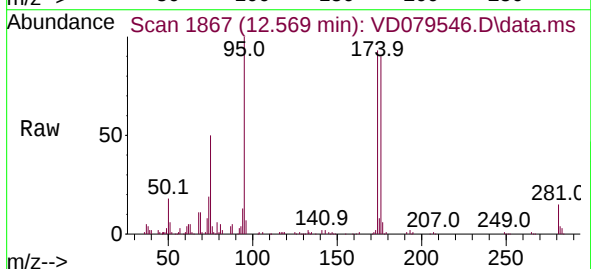
Acq: 02 Aug 2024 17:03

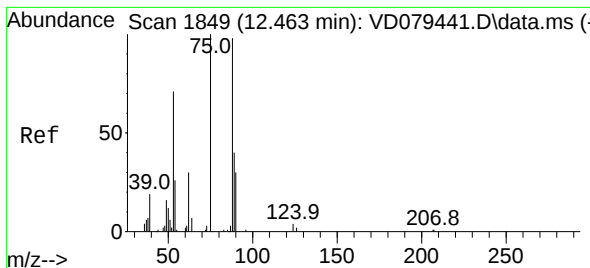
Tgt Ion: 75 Resp: 51123

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

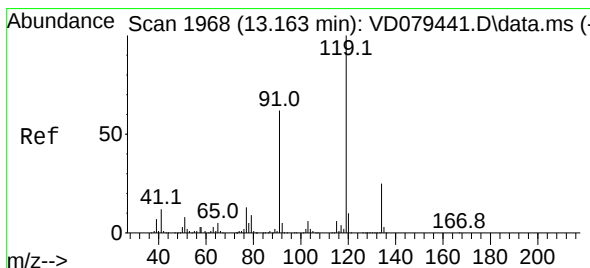
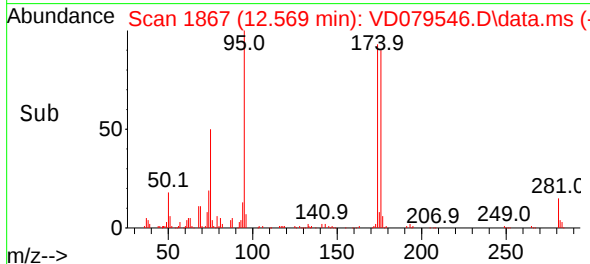
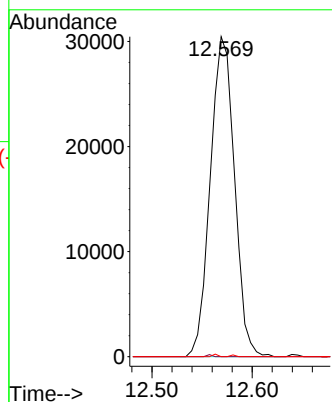
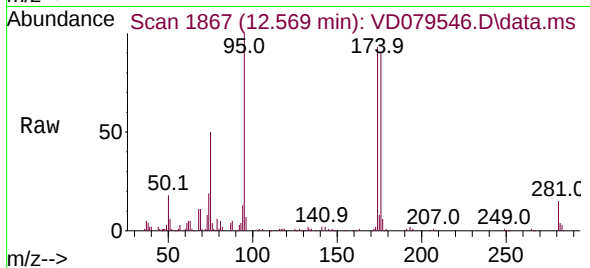




#81
trans-1,4-Dichloro-2-butene
Concen: 76.881 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

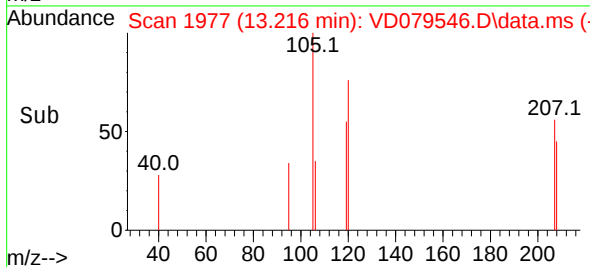
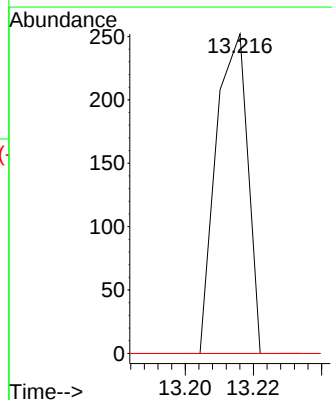
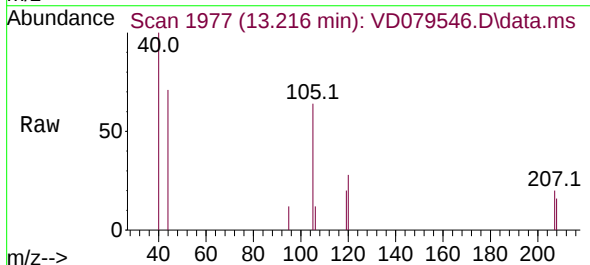
Instrument :
MSVOA_D
ClientSampleId :
PL-02-07312024-B

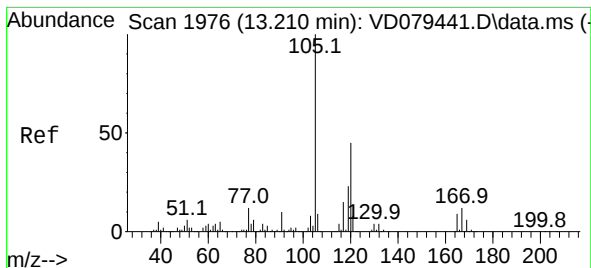
Tgt Ion: 75 Resp: 51123
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.2 35.4 53.0#



#83
tert-Butylbenzene
Concen: 3.647 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.053 min
Lab File: VD079546.D
Acq: 02 Aug 2024 17:03

Tgt Ion: 119 Resp: 162
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: 3.599 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD079546.D

Acq: 02 Aug 2024 17:03

Instrument :

MSVOA_D

ClientSampleId :

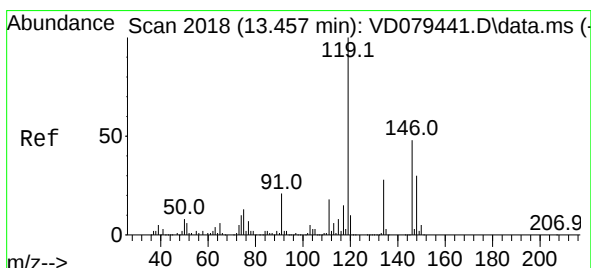
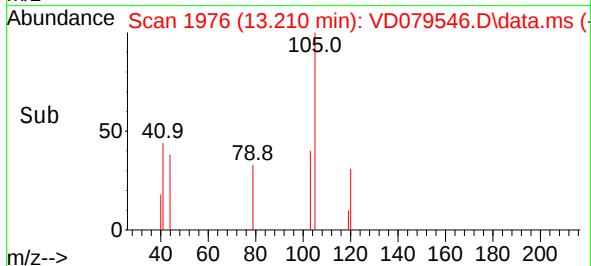
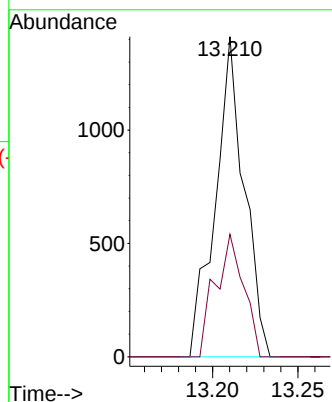
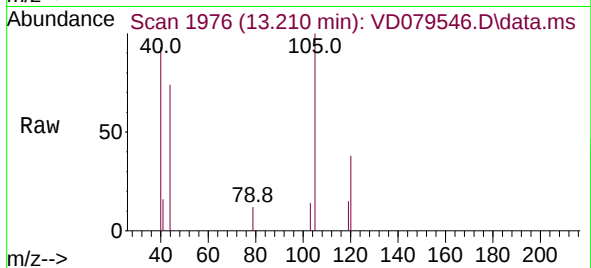
PL-02-07312024-B

Tgt Ion:105 Resp: 1666

Ion Ratio Lower Upper

105 100

120 37.5 23.6 71.0



#86

p-Isopropyltoluene

Concen: 3.893 ug/l

RT: 13.457 min Scan# 1818

Delta R.T. 0.000 min

Lab File: VD079546.D

Acq: 02 Aug 2024 17:03

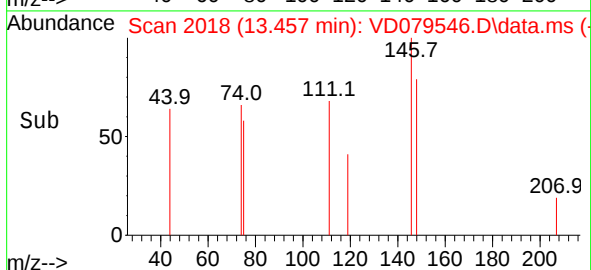
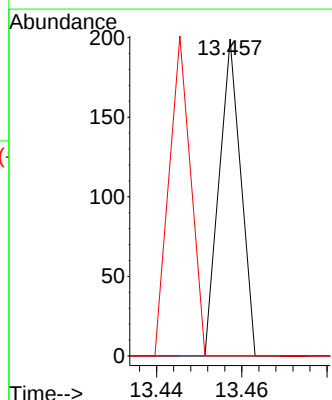
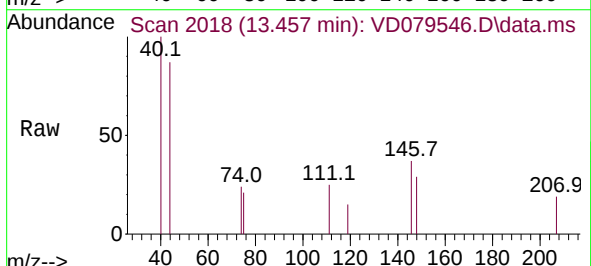
Tgt Ion:119 Resp: 70

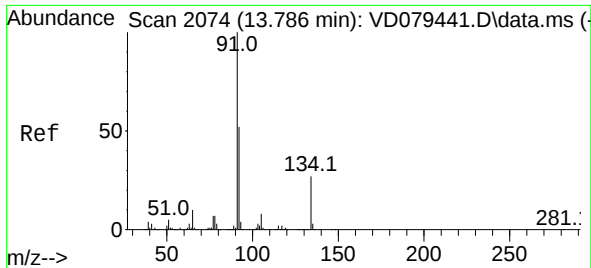
Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

91 101.4 10.7 32.1#





#89
 n-Butylbenzene
 Concen: 3.809 ug/l
 RT: 13.793 min Scan# 20
 Delta R.T. 0.011 min
 Lab File: VD079546.D
 Acq: 02 Aug 2024 17:03

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

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

