

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079509.D
 Acq On : 31 Jul 2024 23:03
 Operator : RP/MD
 Sample : VD0731SBL02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBL02

Quant Time: Aug 01 01:57:57 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)

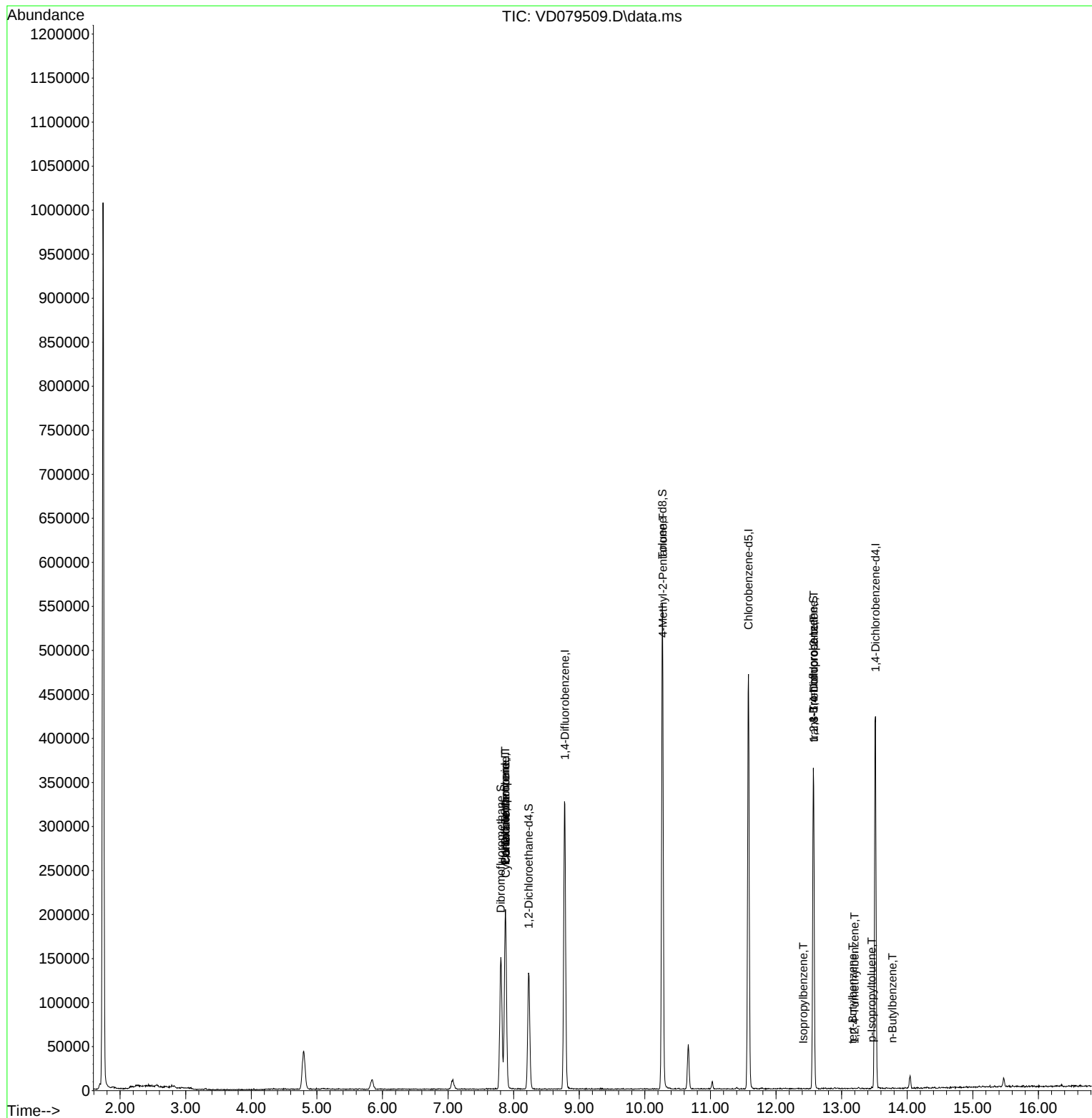
Internal Standards						
1) Pentafluorobenzene	7.875	168	165469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	306034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	286232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	123643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	103654	61.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.320%			
35) Dibromofluoromethane	7.805	113	111158	53.664	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.320%			
50) Toluene-d8	10.269	98	387840	48.215	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.440%			
62) 4-Bromofluorobenzene	12.569	95	101603	43.649	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.300%			
Target Compounds						
5) Bromomethane	2.693	94	465	Below Cal	#	36
20) Methylene Chloride	4.799	84	34685	Below Cal		87
31) Cyclohexane	7.881	56	3577	1.281	ug/l #	40
36) 1,1-Dichloropropene	7.875	75	12547	4.438	ug/l #	45
38) Carbon Tetrachloride	7.875	117	15607	5.251	ug/l #	16
51) 4-Methyl-2-Pentanone	10.275	43	1422	1.278	ug/l #	1
73) Isopropylbenzene	12.416	105	60	3.634	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	49711	45.996	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	49711	87.727	ug/l #	19
83) tert-Butylbenzene	13.169	119	182	3.653	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.198	105	119	3.443	ug/l #	29
86) p-Isopropyltoluene	13.457	119	234	3.911	ug/l #	51
89) n-Butylbenzene	13.775	91	385	3.827	ug/l	84

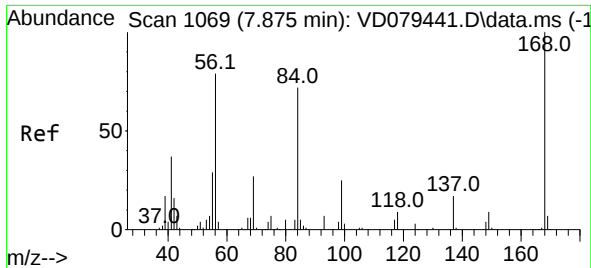
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 01:57:57 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

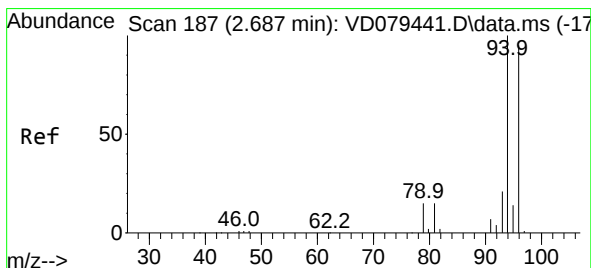
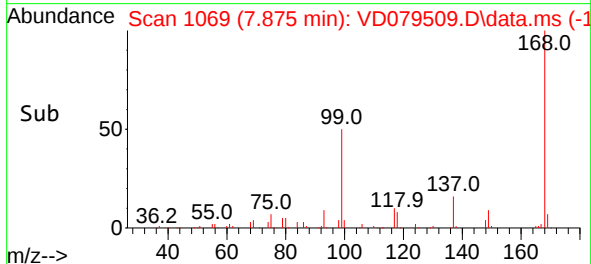
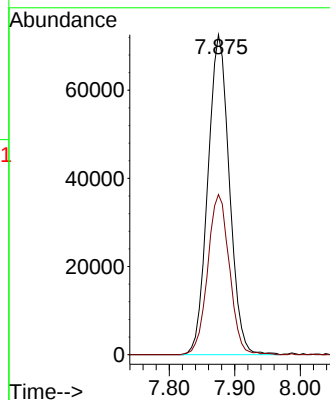
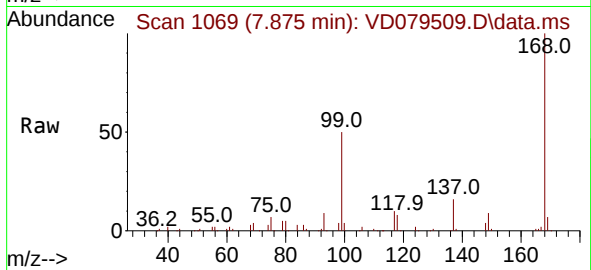




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

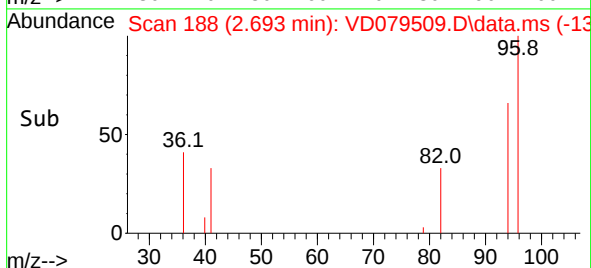
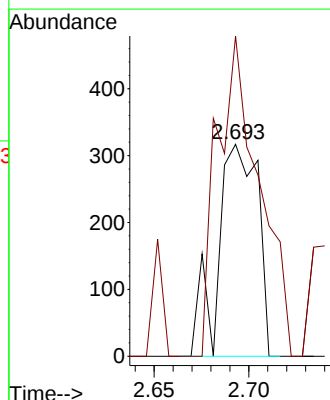
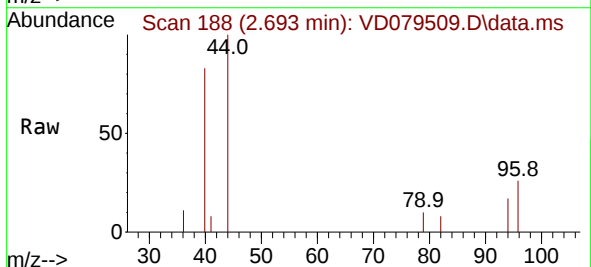
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBL02

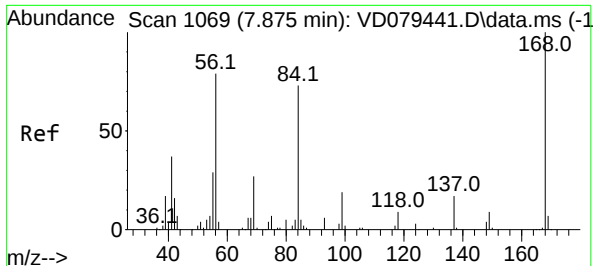
Tgt Ion:168 Resp: 165469
Ion Ratio Lower Upper
168 100
99 50.1 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

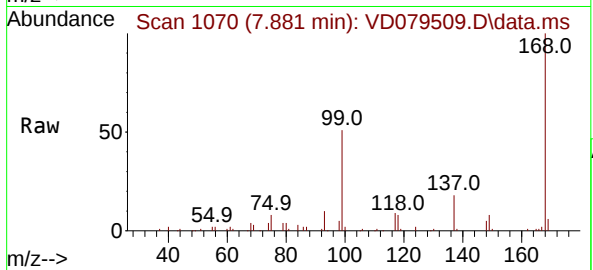
Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 158.5 76.9 115.3#



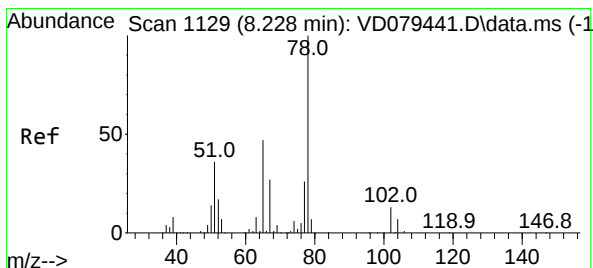
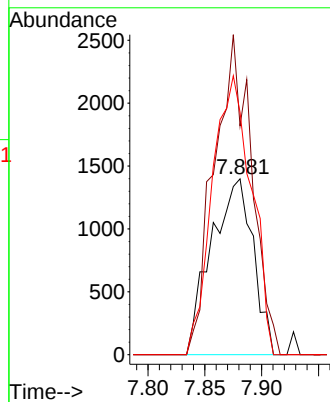
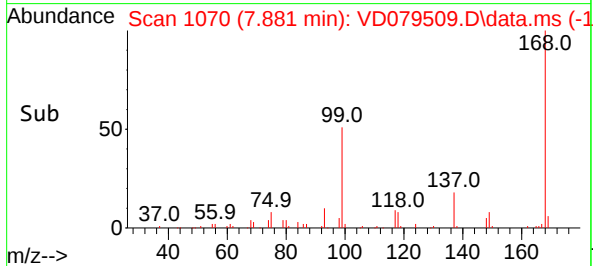


#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBL02

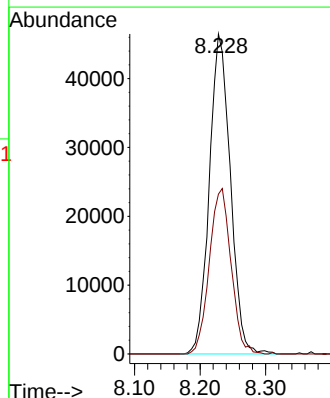
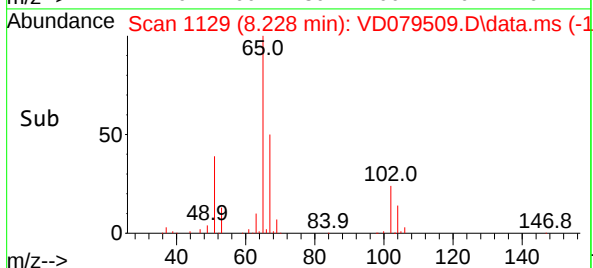
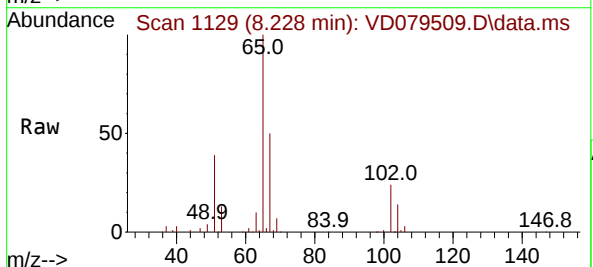


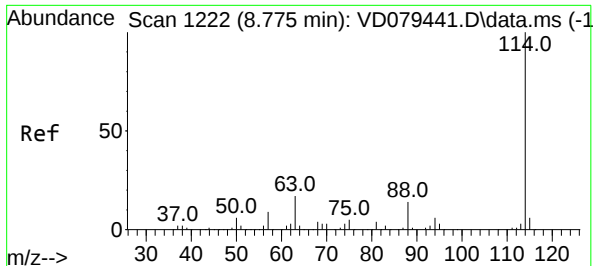
Tgt Ion: 56 Resp: 3577
Ion Ratio Lower Upper
56 100
69 130.1 28.0 42.0#
84 137.8 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 61.662 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

Tgt Ion: 65 Resp: 103654
Ion Ratio Lower Upper
65 100
67 53.2 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD079509.D

Acq: 31 Jul 2024 23:03

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBL02

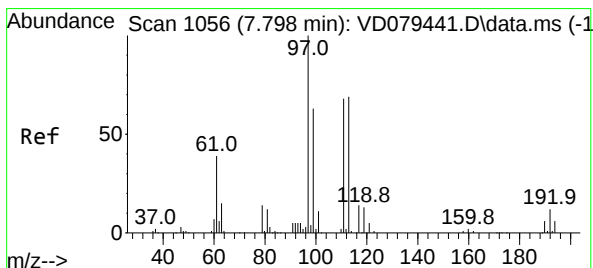
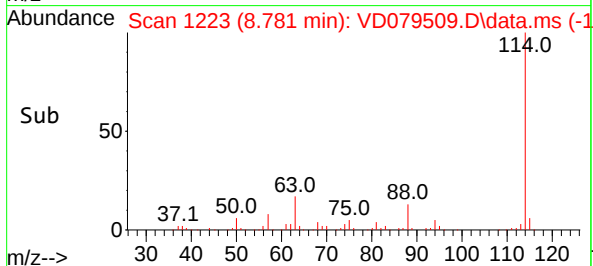
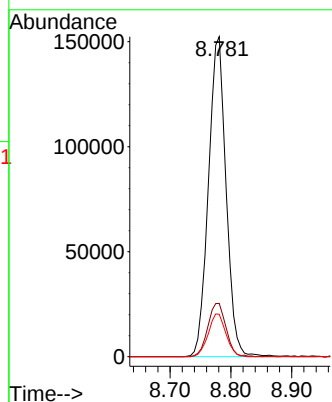
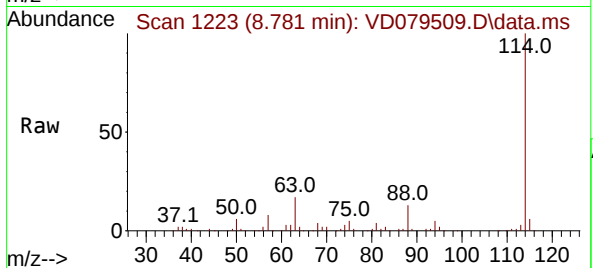
Tgt Ion:114 Resp: 306034

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.0

88 13.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.664 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079509.D

Acq: 31 Jul 2024 23:03

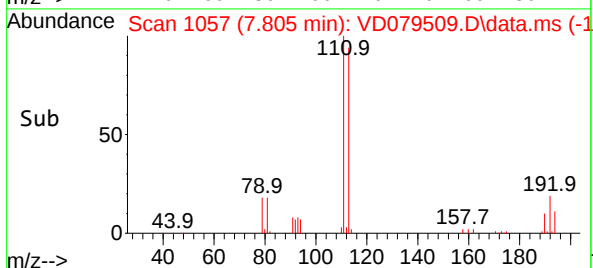
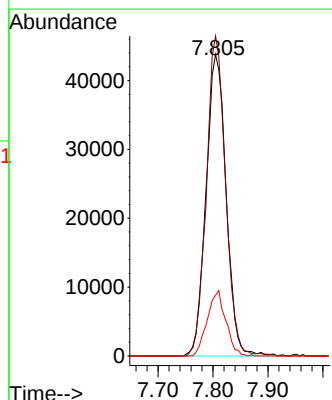
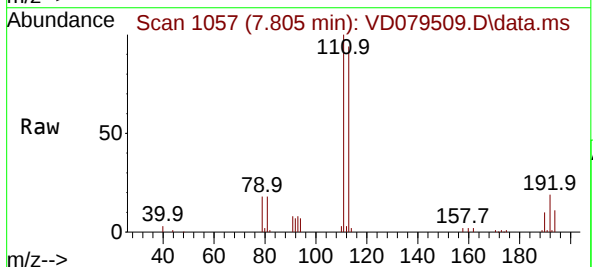
Tgt Ion:113 Resp: 111158

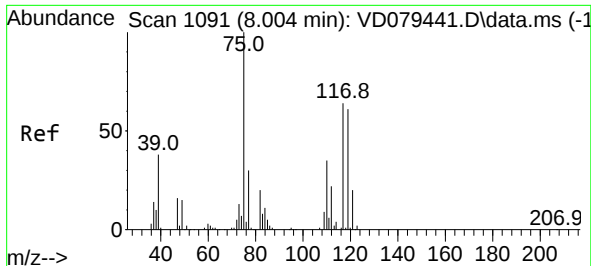
Ion Ratio Lower Upper

113 100

111 101.5 84.0 126.0

192 20.0 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.438 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079509.D

Acq: 31 Jul 2024 23:03

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBL02

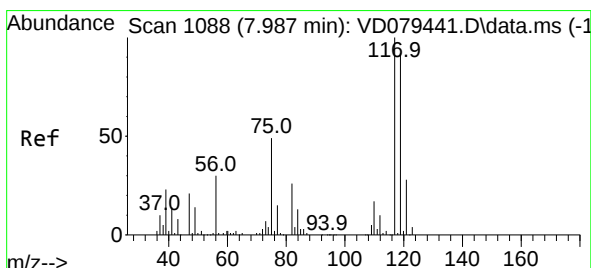
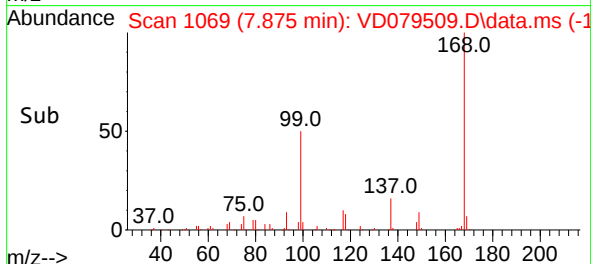
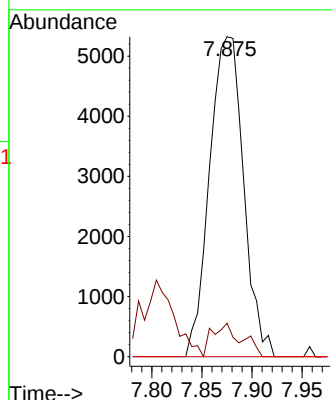
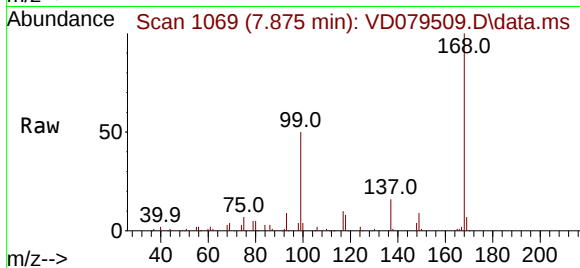
Tgt Ion: 75 Resp: 12547

Ion Ratio Lower Upper

75 100

110 6.8 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.251 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD079509.D

Acq: 31 Jul 2024 23:03

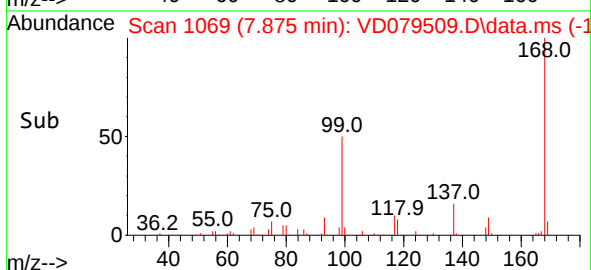
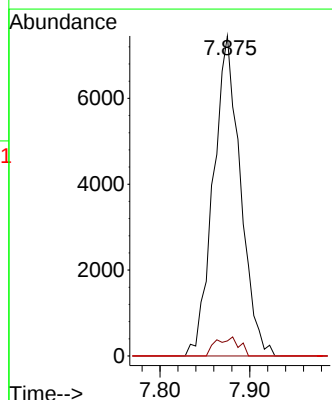
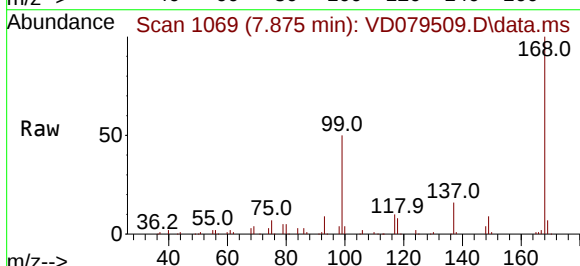
Tgt Ion: 117 Resp: 15607

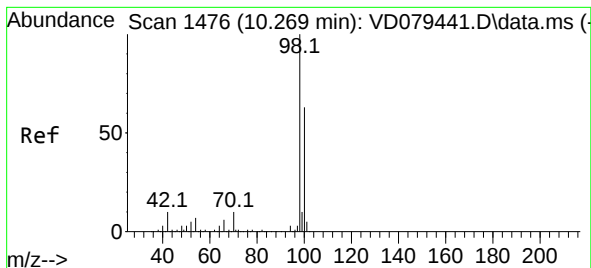
Ion Ratio Lower Upper

117 100

119 4.7 75.4 113.0#

121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 48.215 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079509.D

Acq: 31 Jul 2024 23:03

Instrument :

MSVOA_D

ClientSampleId :

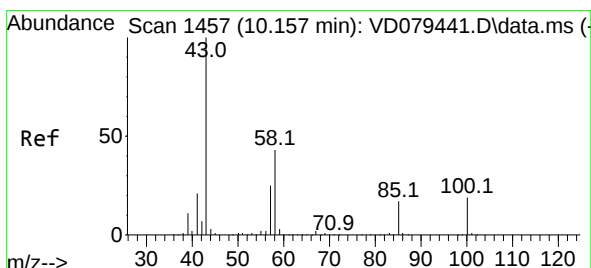
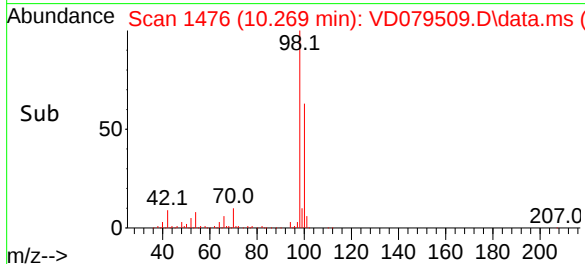
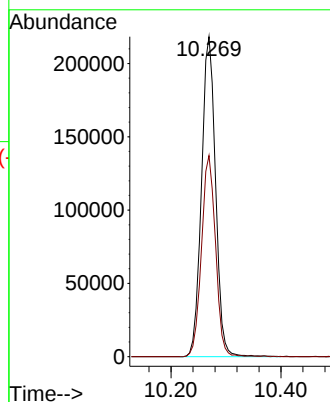
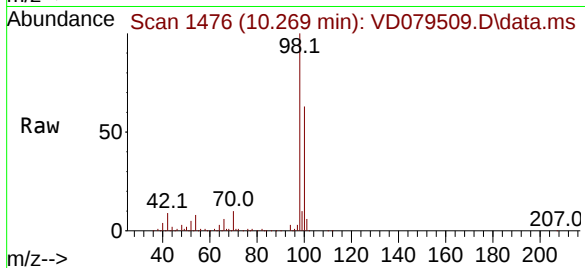
VD0731SBL02

Tgt Ion: 98 Resp: 387840

Ion Ratio Lower Upper

98 100

100 62.8 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.278 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.118 min

Lab File: VD079509.D

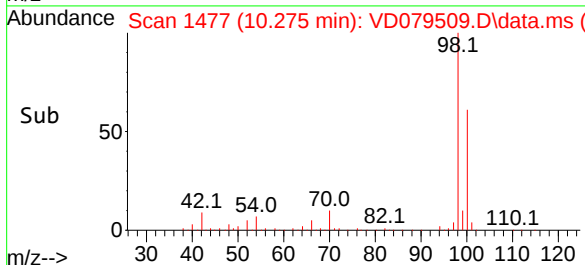
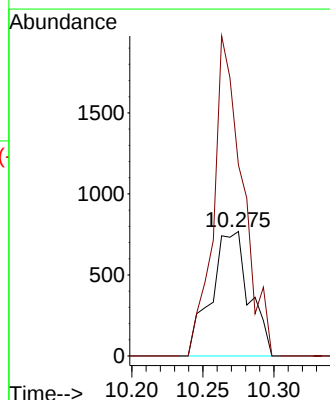
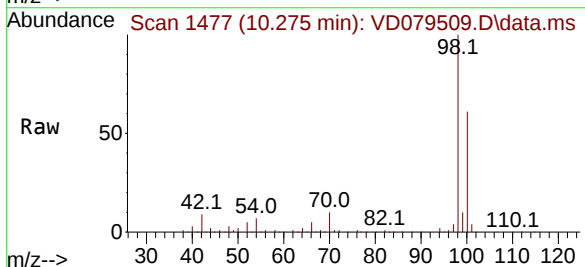
Acq: 31 Jul 2024 23:03

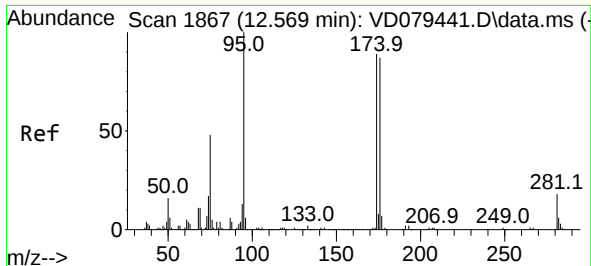
Tgt Ion: 43 Resp: 1422

Ion Ratio Lower Upper

43 100

58 197.6 36.6 55.0#

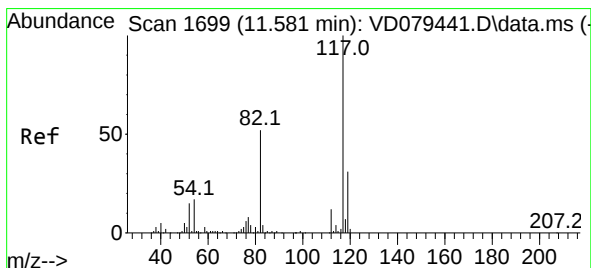
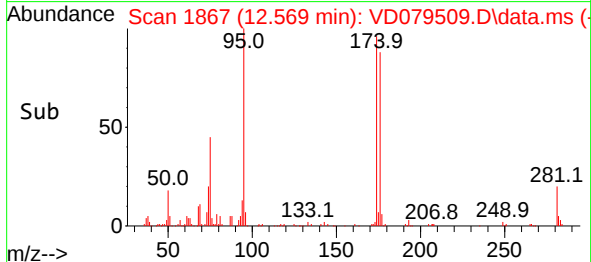
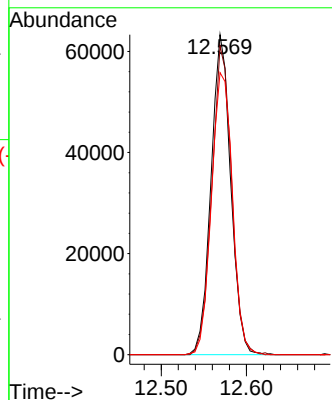
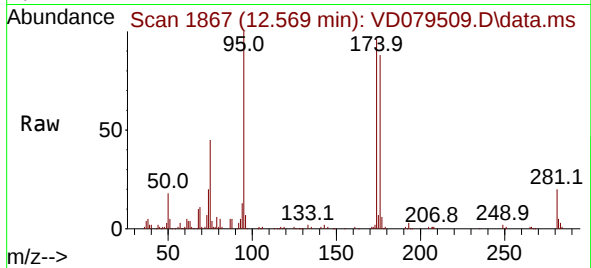




#62
4-Bromofluorobenzene
Concen: 43.649 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

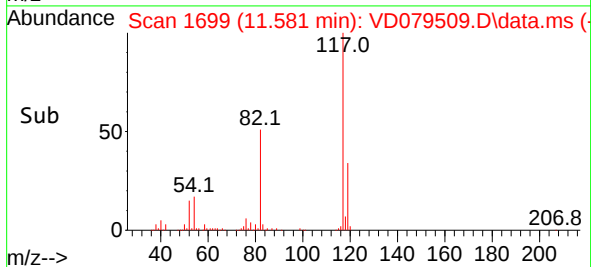
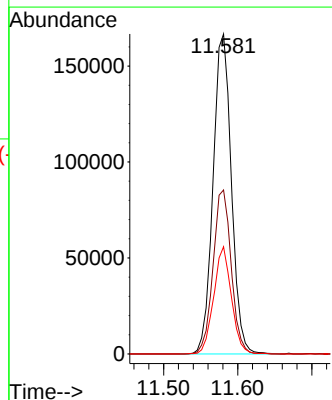
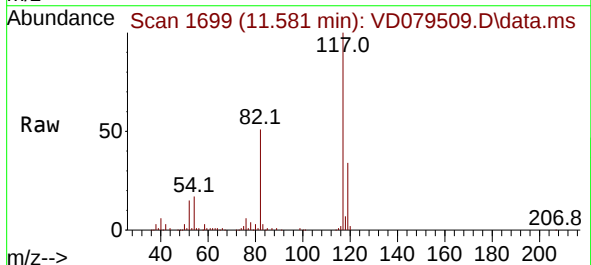
Instrument :
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VD0731SBL02

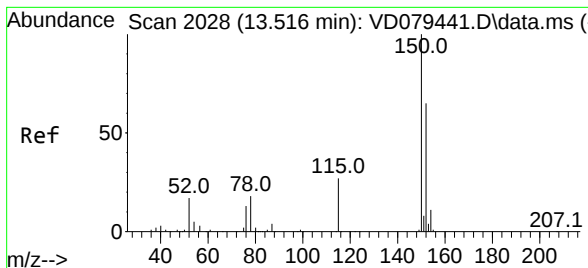
Tgt Ion: 95 Resp: 101603
Ion Ratio Lower Upper
95 100
174 96.8 0.0 195.4
176 93.8 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

Tgt Ion: 117 Resp: 286232
Ion Ratio Lower Upper
117 100
82 51.2 39.8 59.6
119 33.5 25.7 38.5

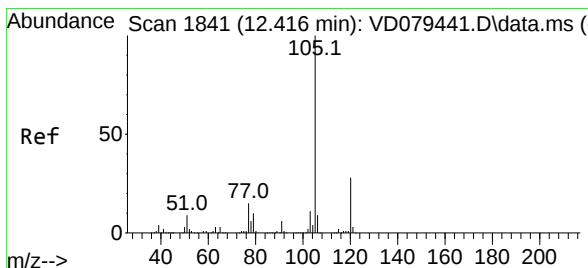
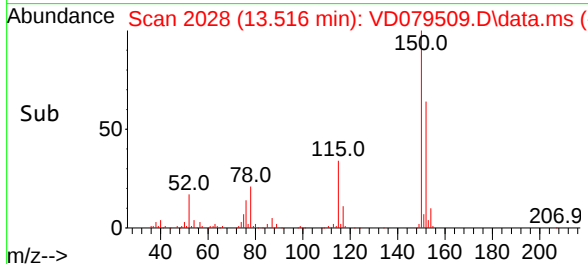
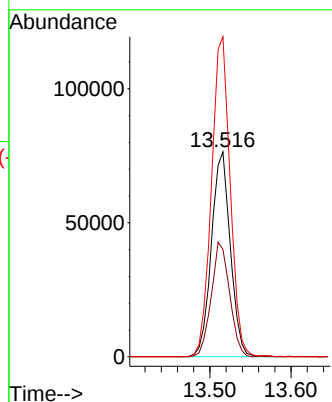
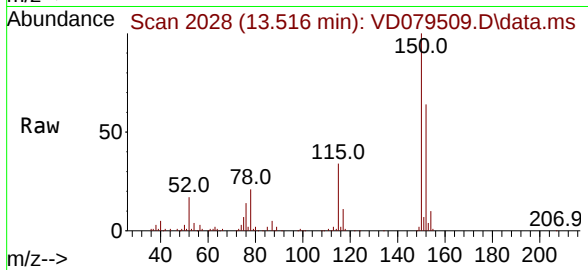




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

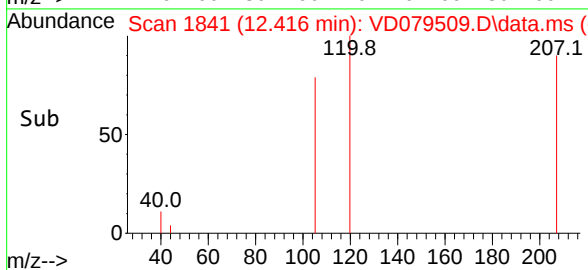
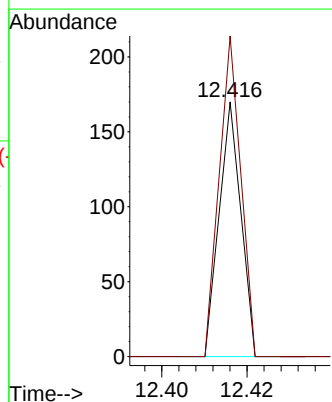
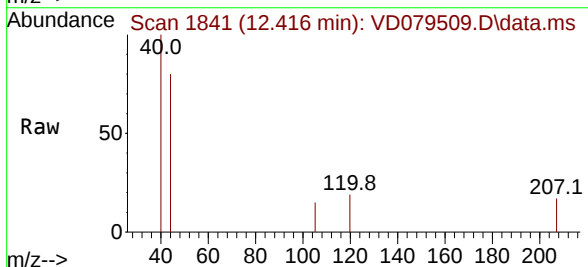
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBL02

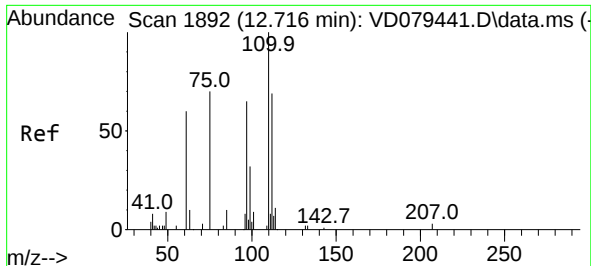
Tgt Ion:152 Resp: 123643
Ion Ratio Lower Upper
152 100
115 54.2 26.5 79.5
150 154.5 0.0 341.6



#73
Isopropylbenzene
Concen: 3.634 ug/l
RT: 12.416 min Scan# 1841
Delta R.T. 0.000 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

Tgt Ion:105 Resp: 60
Ion Ratio Lower Upper
105 100
120 126.7 13.6 40.7#

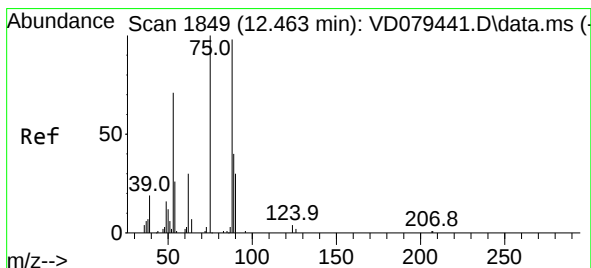
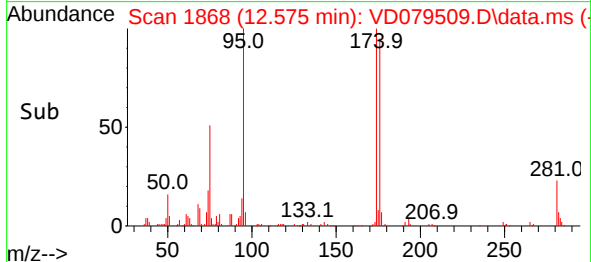
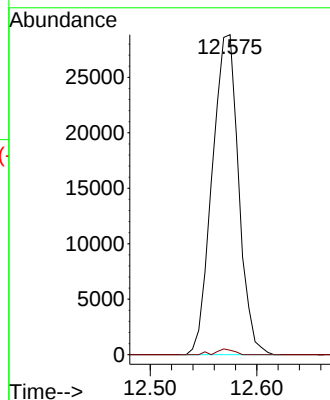
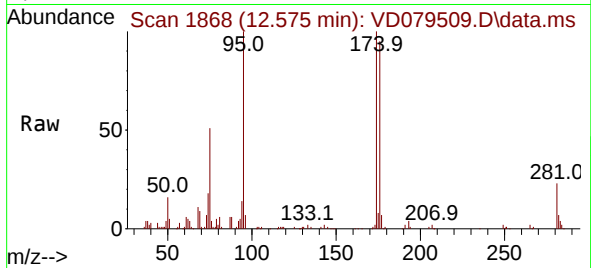




#76
1,2,3-Trichloropropane
Concen: 45.996 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

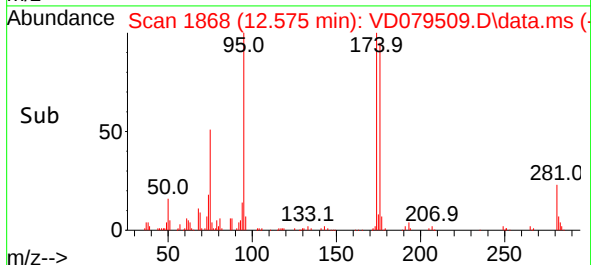
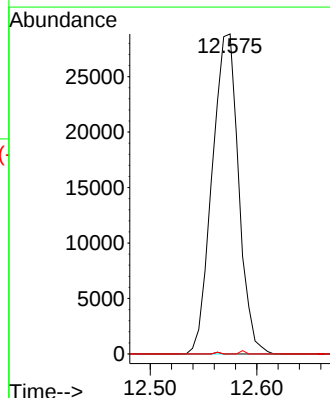
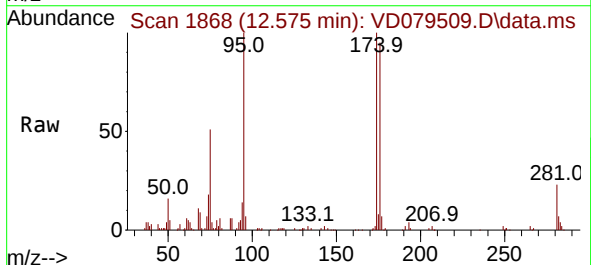
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBL02

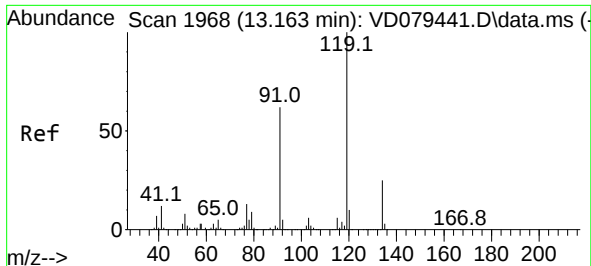
Tgt Ion: 75 Resp: 49711
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.727 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

Tgt Ion: 75 Resp: 49711
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.2 35.4 53.0#

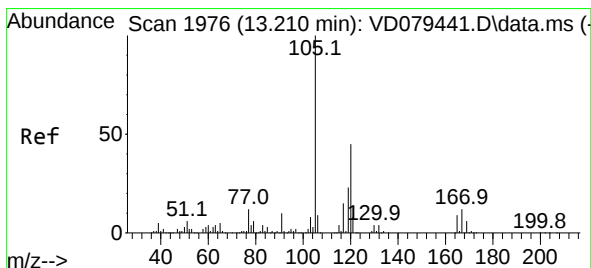
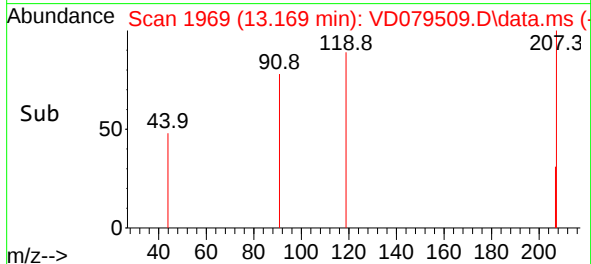
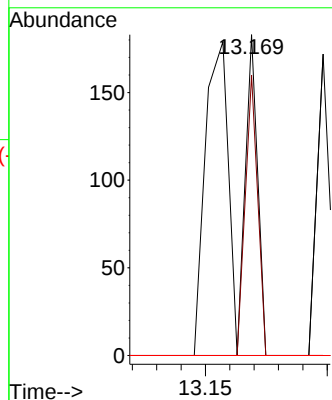
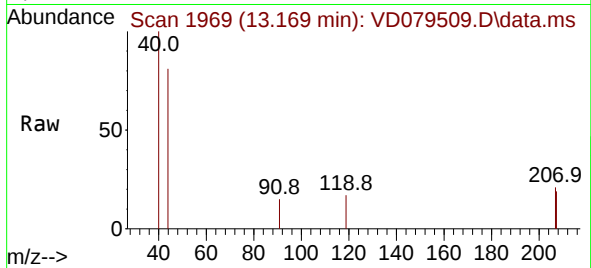




#83
tert-Butylbenzene
Concen: 3.653 ug/l
RT: 13.169 min Scan# 1968
Delta R.T. 0.006 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

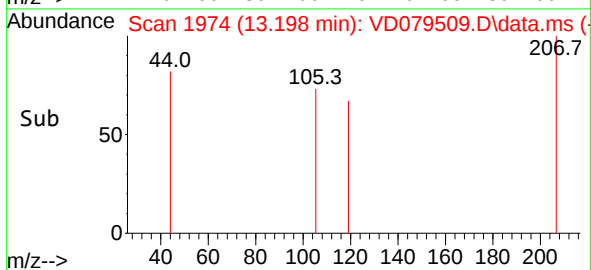
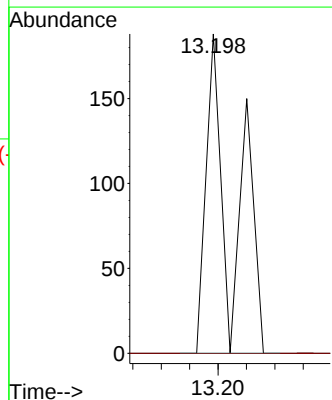
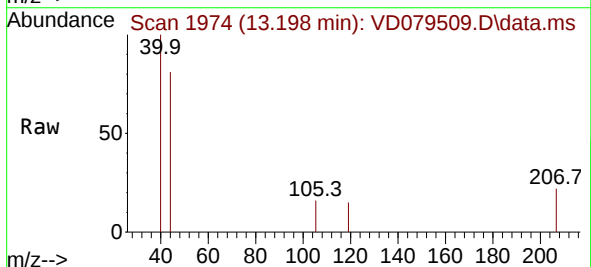
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBL02

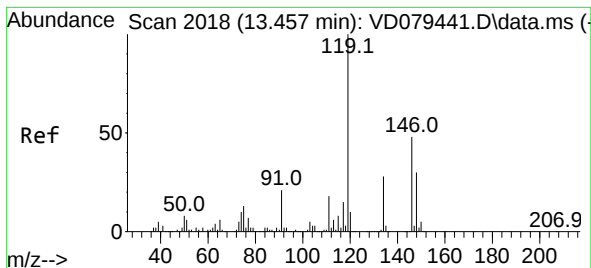
Tgt Ion:119 Resp: 182
Ion Ratio Lower Upper
119 100
91 30.8 28.2 84.7
134 0.0 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.443 ug/l
RT: 13.198 min Scan# 1974
Delta R.T. -0.006 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

Tgt Ion:105 Resp: 119
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#

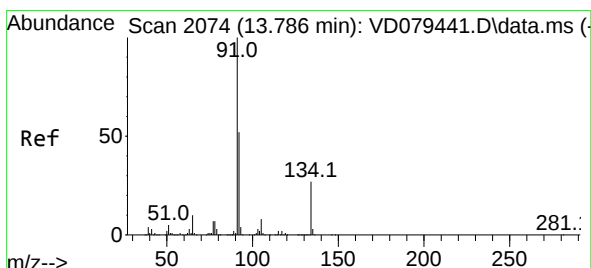
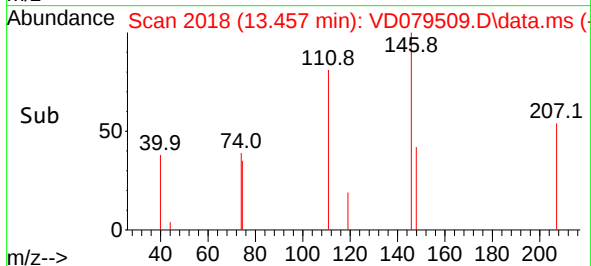
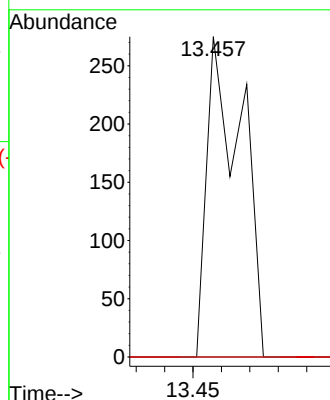
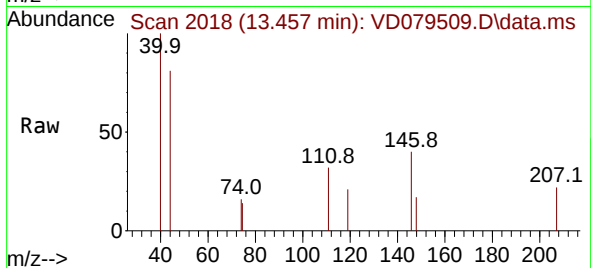




#86
p-Isopropyltoluene
Concen: 3.911 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBL02

Tgt Ion:119 Resp: 234
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.827 ug/l
RT: 13.775 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VD079509.D
Acq: 31 Jul 2024 23:03

Tgt Ion: 91 Resp: 385
Ion Ratio Lower Upper
91 100
92 43.6 25.7 77.0
134 14.5 13.6 40.8

