

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086188.D
 Acq On : 31 Mar 2025 22:41
 Operator : JC\MD
 Sample : Q1644-01
 Misc : 1.12g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 12325-C

Quant Time: Apr 01 01:42:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

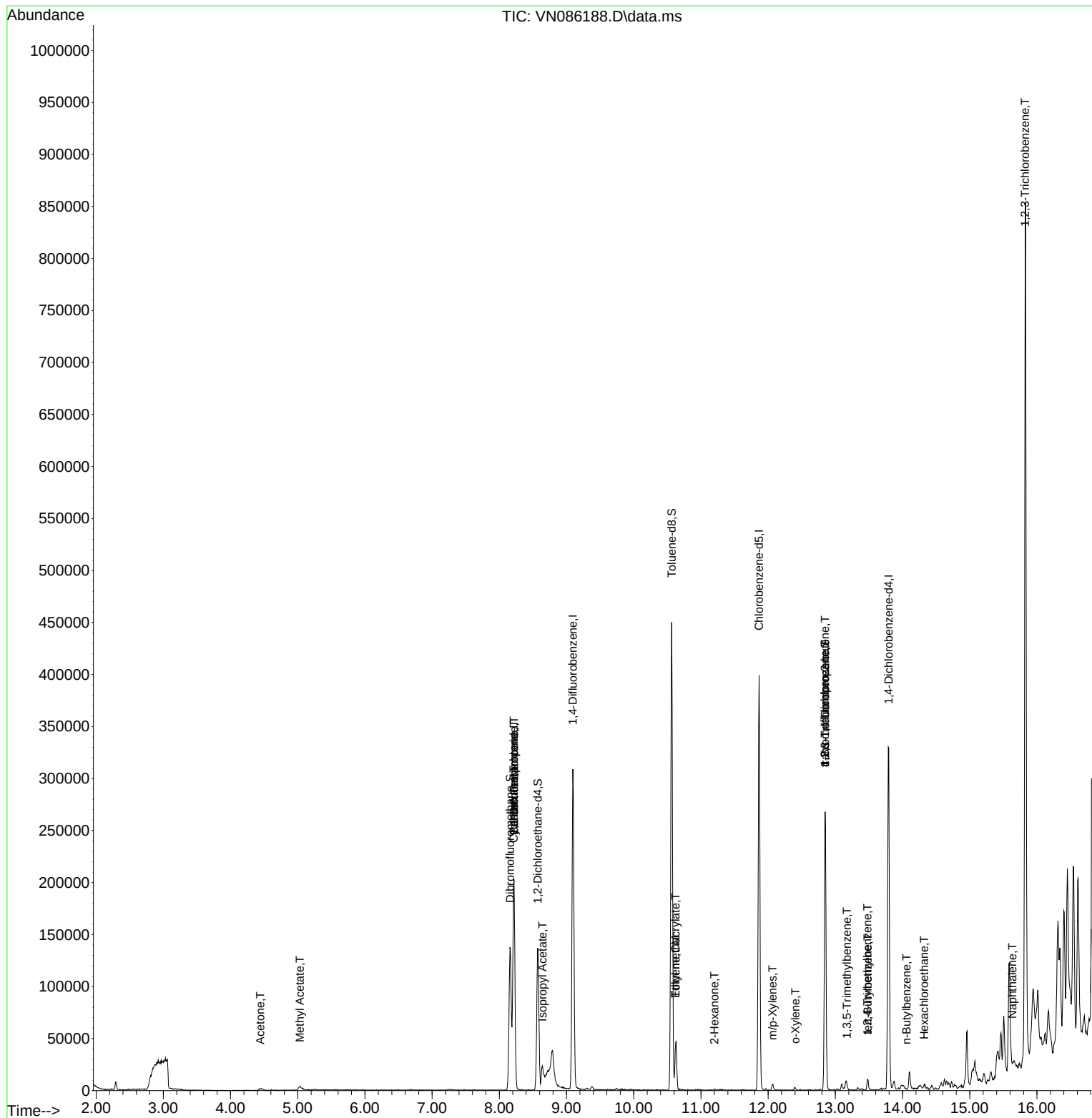
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	146056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	265097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	112882	56.441	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.880%
35) Dibromofluoromethane	8.159	113	98969	53.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.980%
50) Toluene-d8	10.565	98	317286	47.247	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.500%
62) 4-Bromofluorobenzene	12.847	95	93802	39.167	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	78.340%
Target Compounds						Qvalue
16) Acetone	4.442	43	4950	8.101	ug/l #	79
18) Methyl Acetate	5.030	43	8566	5.666	ug/l #	88
31) Cyclohexane	8.212	56	3180	1.276	ug/l #	16
36) 1,1-Dichloropropene	8.218	75	11354	4.660	ug/l #	47
38) Carbon Tetrachloride	8.218	117	15963	4.983	ug/l #	16
43) Isopropyl Acetate	8.641	43	15855	3.560	ug/l #	51
52) Toluene	10.624	92	19544	4.163	ug/l	99
56) Ethyl methacrylate	10.624	69	54	0.211	ug/l #	1
59) 2-Hexanone	11.200	43	498	0.348	ug/l #	18
68) m/p-Xylenes	12.065	106	1783	0.525	ug/l	89
69) o-Xylene	12.406	106	906	0.291	ug/l	91
76) 1,2,3-Trichloropropane	12.847	75	45734	21.100	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.171	105	1748	0.313	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.847	75	45734	55.784	ug/l #	16
83) tert-Butylbenzene	13.482	119	1070	0.224	ug/l #	83
84) 1,2,4-Trimethylbenzene	13.476	105	6634	1.178	ug/l	91
89) n-Butylbenzene	14.059	91	1101	0.256	ug/l #	70
90) Hexachloroethane	14.323	117	419	0.344	ug/l #	10
95) Naphthalene	15.635	128	7933	1.649	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.823	180	455	0.289	ug/l #	1

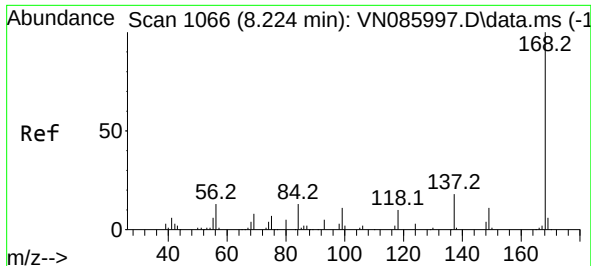
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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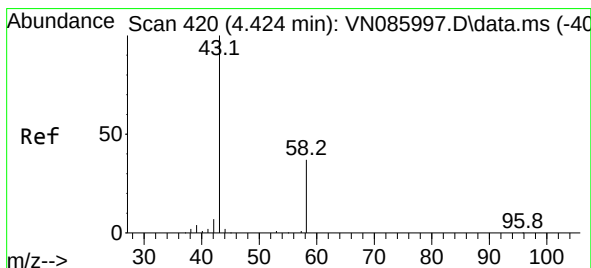
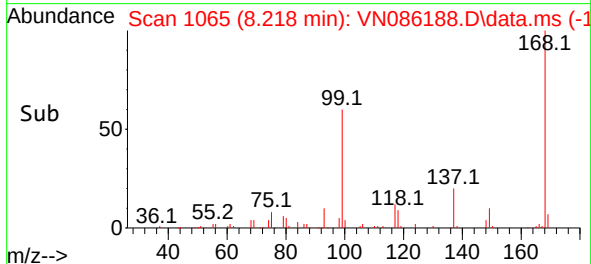
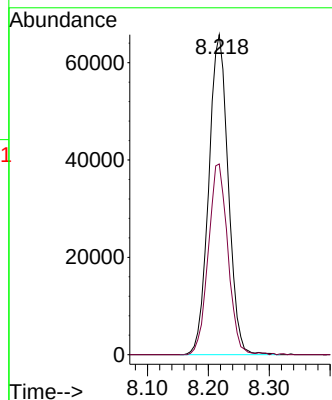
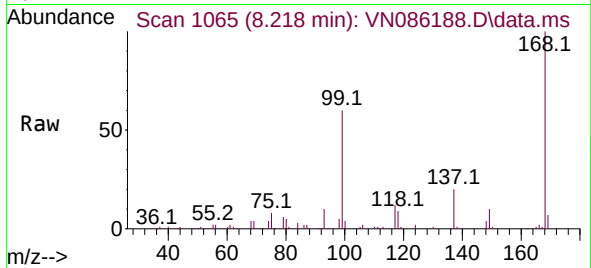




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

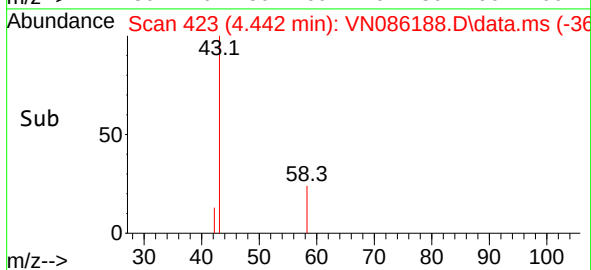
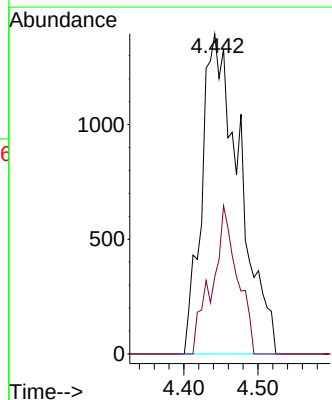
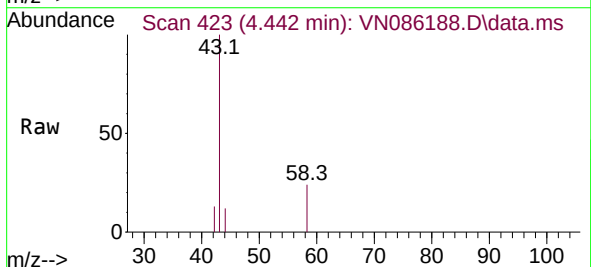
Instrument :
MSVOA_N
ClientSampleId :
12325-C

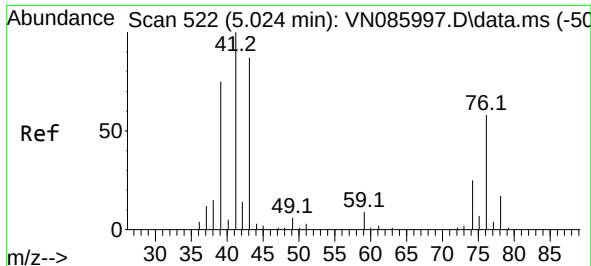
Tgt Ion:168 Resp: 146056
Ion Ratio Lower Upper
168 100
99 59.6 49.4 74.2



#16
Acetone
Concen: 8.101 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

Tgt Ion: 43 Resp: 4950
Ion Ratio Lower Upper
43 100
58 24.2 29.4 44.2#

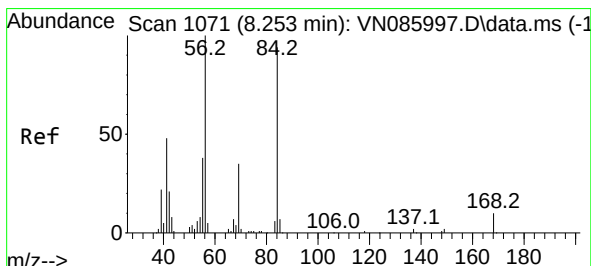
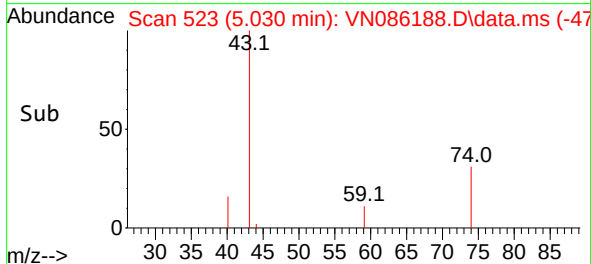
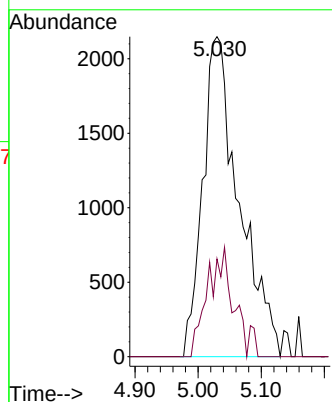
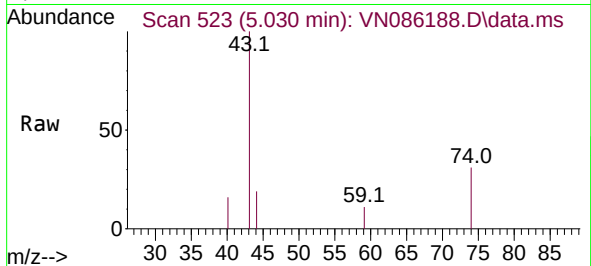




#18
Methyl Acetate
Concen: 5.666 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

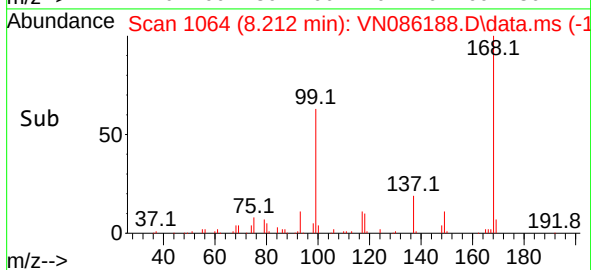
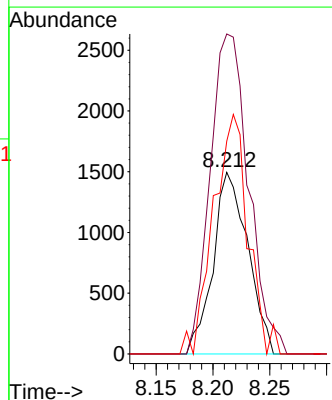
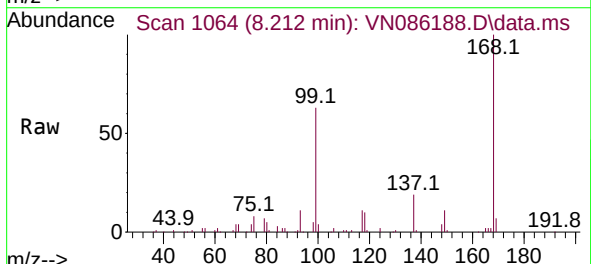
Instrument :
MSVOA_N
ClientSampleId :
12325-C

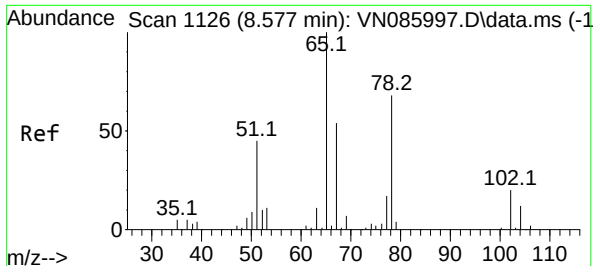
Tgt Ion: 43 Resp: 8566
Ion Ratio Lower Upper
43 100
74 23.6 23.9 35.9#



#31
Cyclohexane
Concen: 1.276 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

Tgt Ion: 56 Resp: 3180
Ion Ratio Lower Upper
56 100
69 176.2 28.0 42.0#
84 117.2 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 56.441 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086188.D

Acq: 31 Mar 2025 22:41

Instrument :

MSVOA_N

ClientSampleId :

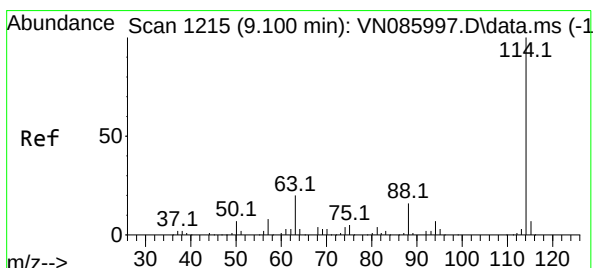
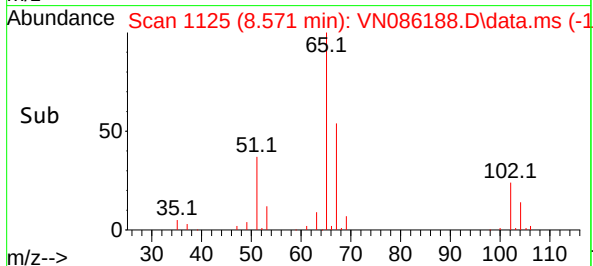
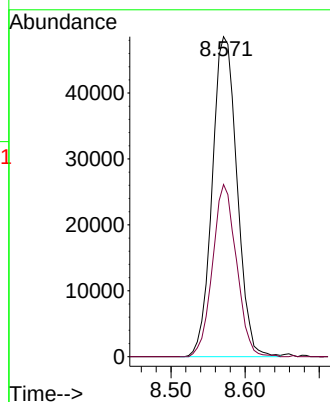
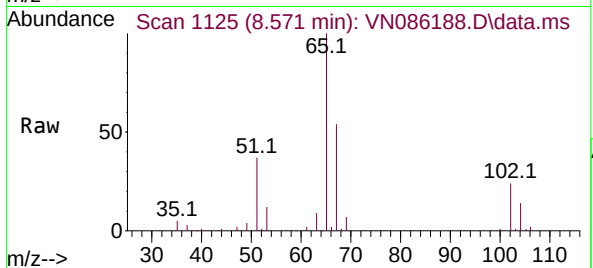
12325-C

Tgt Ion: 65 Resp: 112882

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086188.D

Acq: 31 Mar 2025 22:41

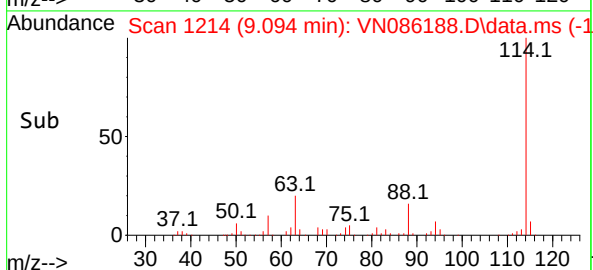
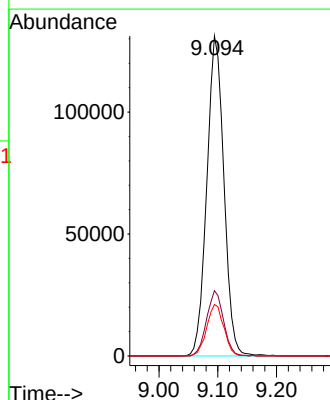
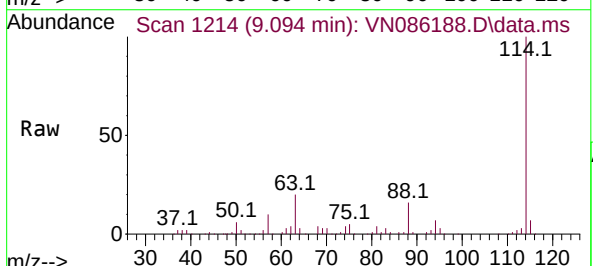
Tgt Ion: 114 Resp: 265097

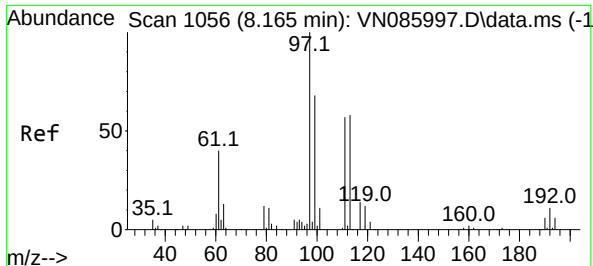
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.487 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086188.D

Acq: 31 Mar 2025 22:41

Instrument :

MSVOA_N

ClientSampleId :

12325-C

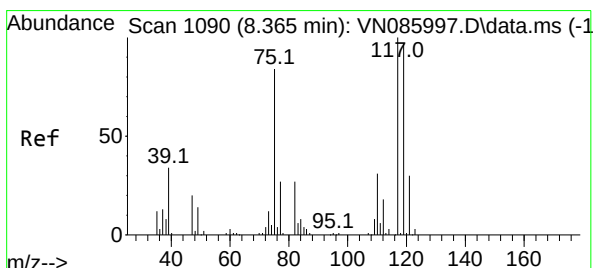
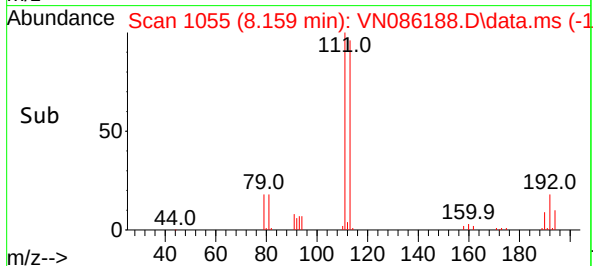
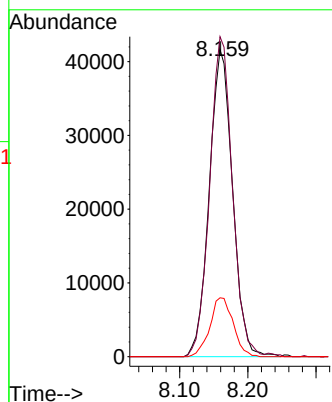
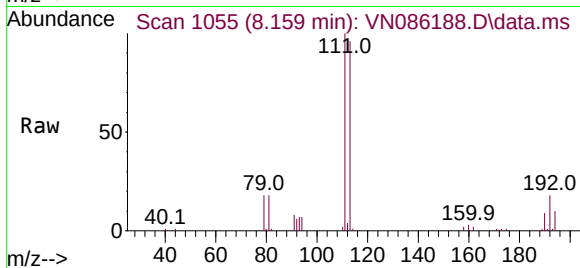
Tgt Ion:113 Resp: 98969

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

192 19.2 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.660 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086188.D

Acq: 31 Mar 2025 22:41

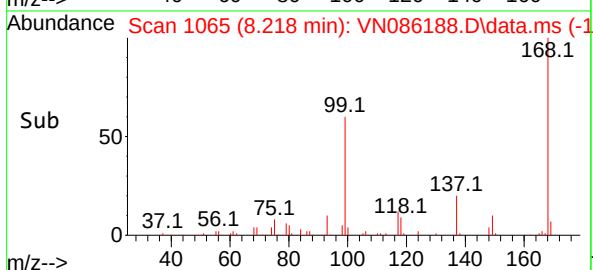
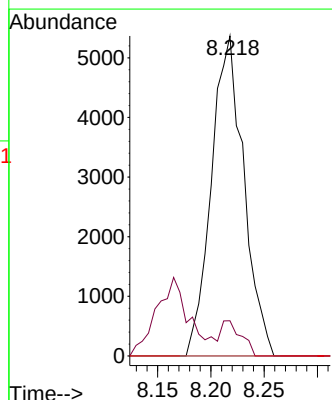
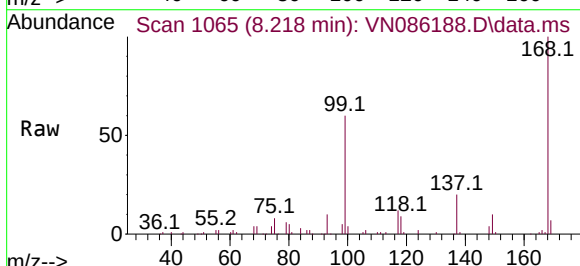
Tgt Ion: 75 Resp: 11354

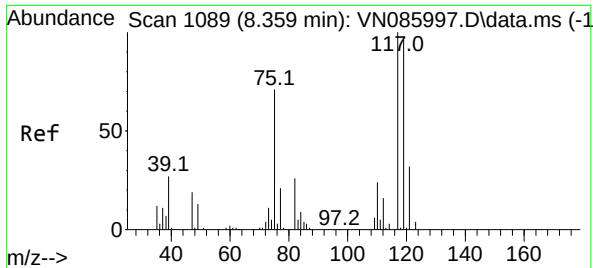
Ion Ratio Lower Upper

75 100

110 6.6 17.8 53.3#

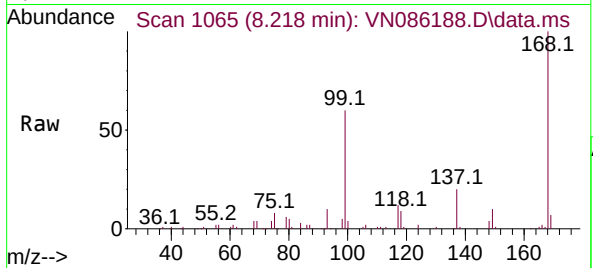
77 0.0 25.0 37.4#



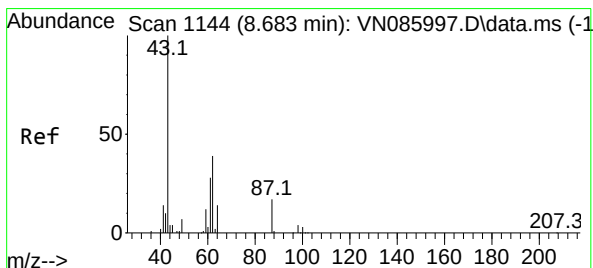
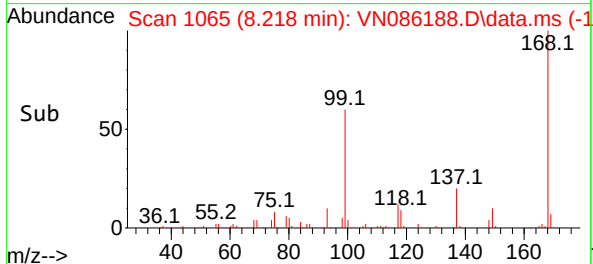
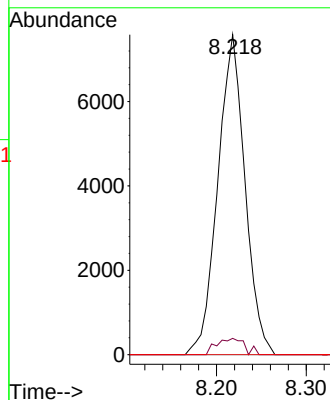


#38
Carbon Tetrachloride
Concen: 4.983 ug/l
RT: 8.218 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

Instrument :
MSVOA_N
ClientSampleId :
12325-C

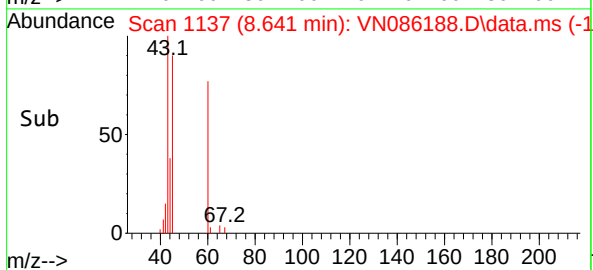
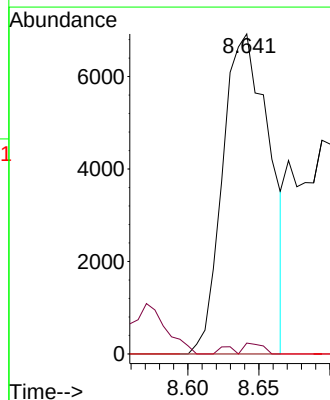
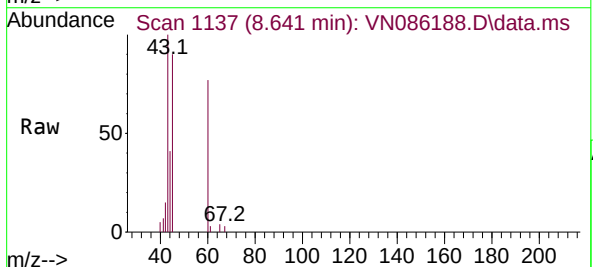


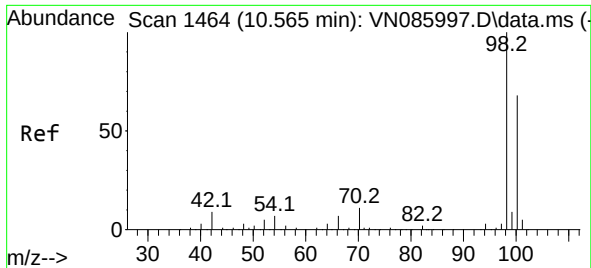
Tgt Ion:117 Resp: 15963
Ion Ratio Lower Upper
117 100
119 5.1 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 3.560 ug/l
RT: 8.641 min Scan# 1137
Delta R.T. -0.041 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

Tgt Ion: 43 Resp: 15855
Ion Ratio Lower Upper
43 100
61 1.4 25.0 37.6#
87 0.0 13.0 19.4#

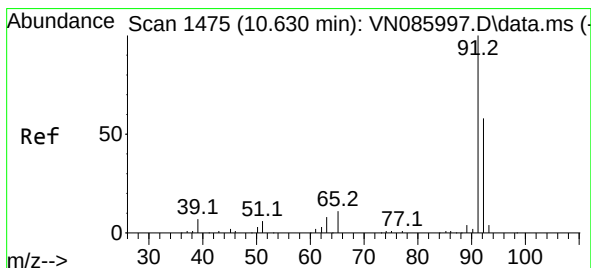
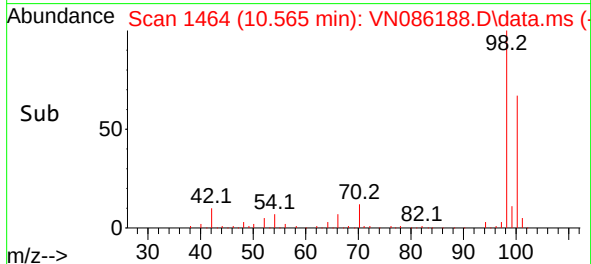
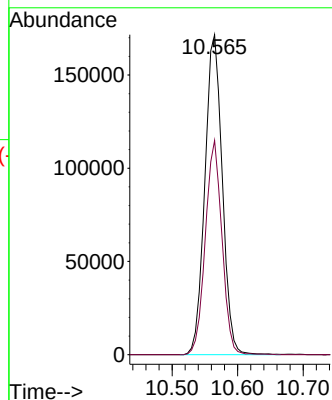
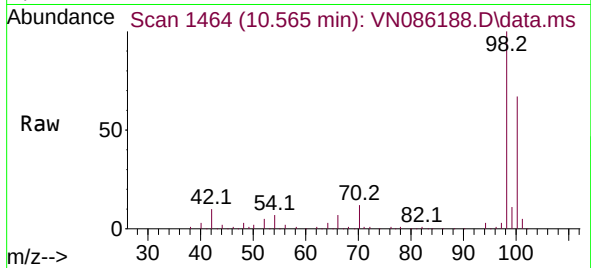




#50
Toluene-d8
Concen: 47.247 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

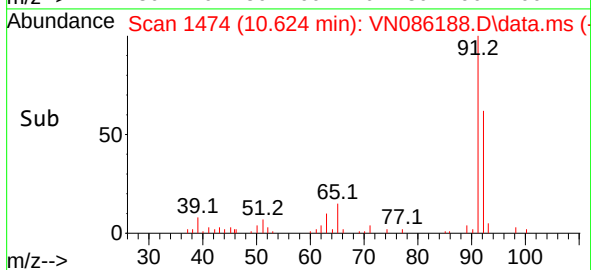
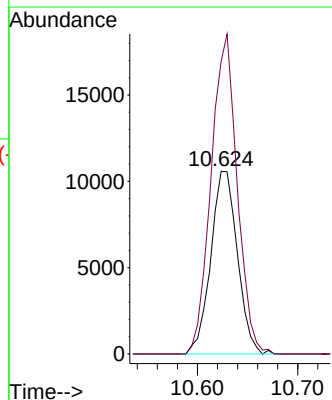
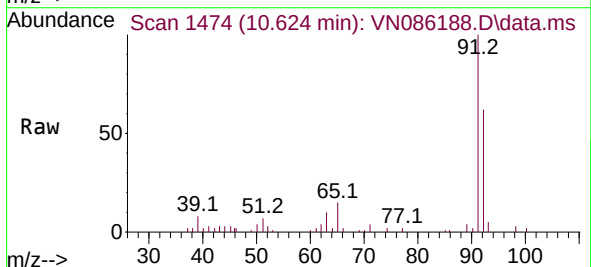
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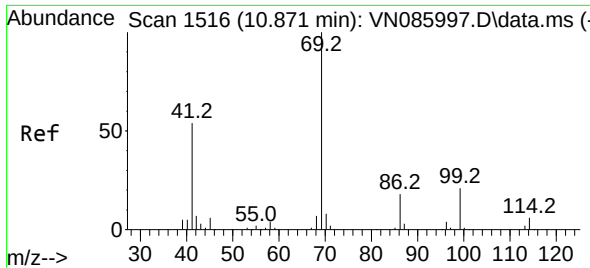
Tgt Ion: 98 Resp: 317286
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#52
Toluene
Concen: 4.163 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

Tgt Ion: 92 Resp: 19544
Ion Ratio Lower Upper
92 100
91 171.4 136.2 204.4

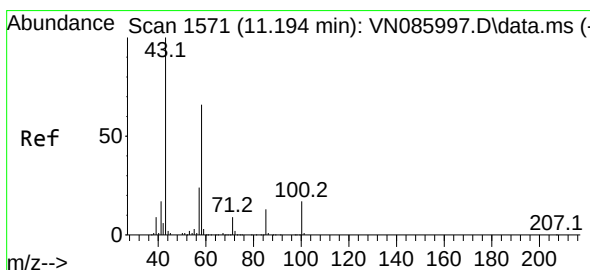
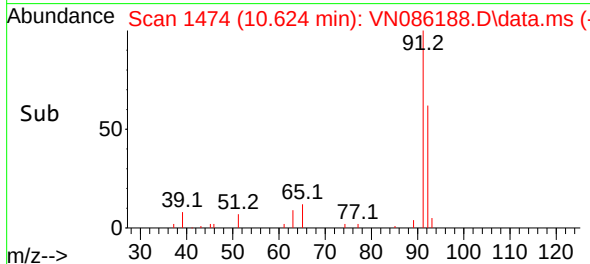
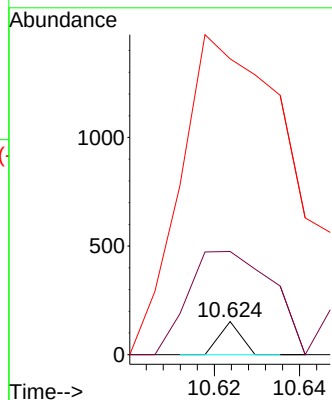
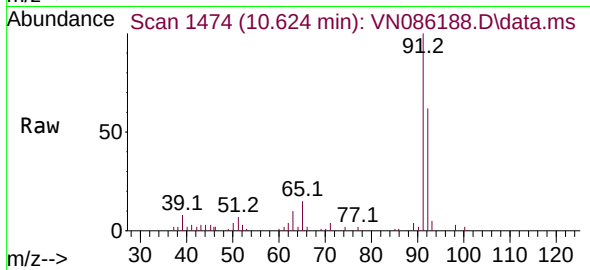




#56
Ethyl methacrylate
Concen: 0.211 ug/l
RT: 10.624 min Scan# 14
Delta R.T. -0.247 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

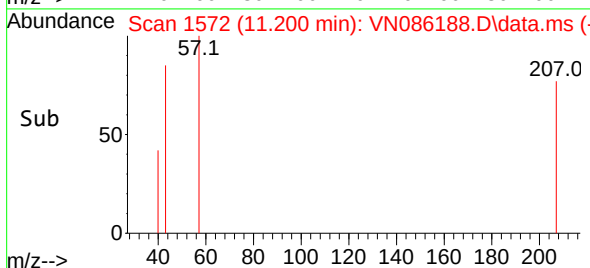
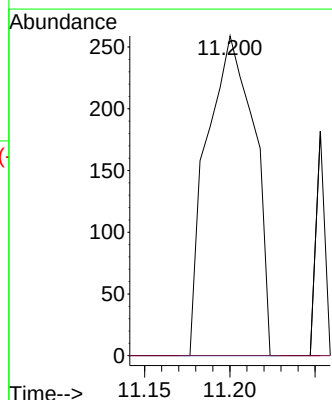
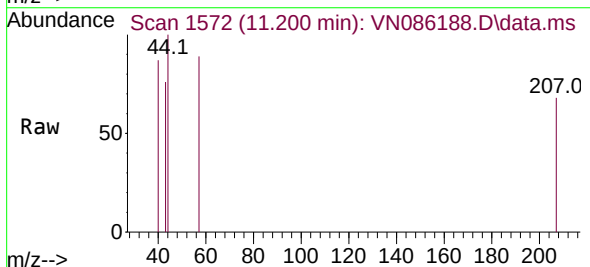
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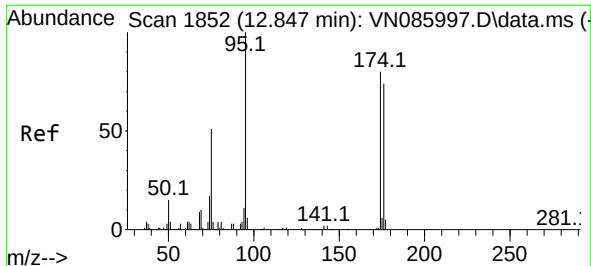
Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 1340.7 41.6 62.4#
39 5085.2 21.8 32.8#



#59
2-Hexanone
Concen: 0.348 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
58 0.0 32.4 97.2#

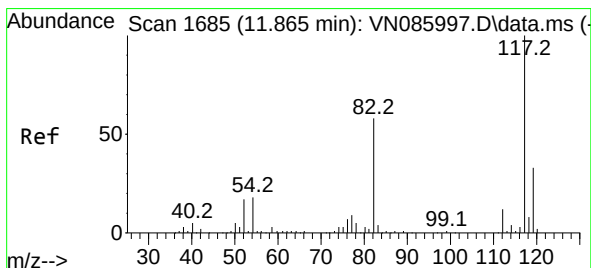
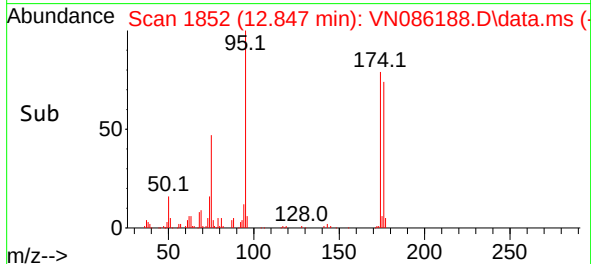
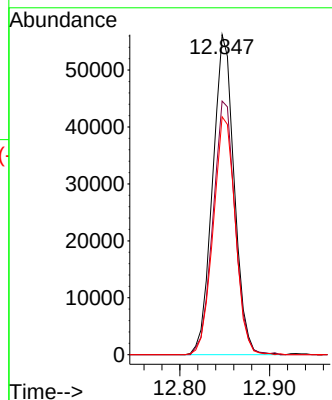
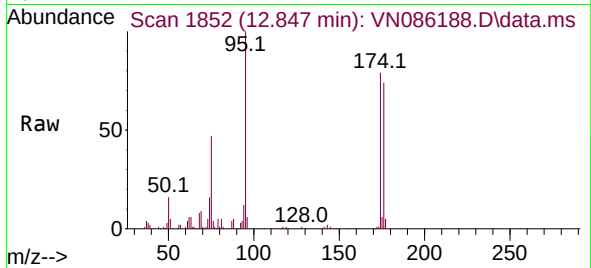




#62
4-Bromofluorobenzene
Concen: 39.167 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

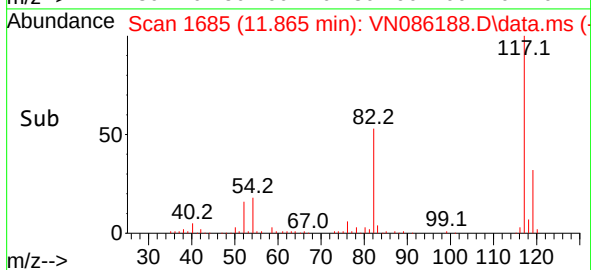
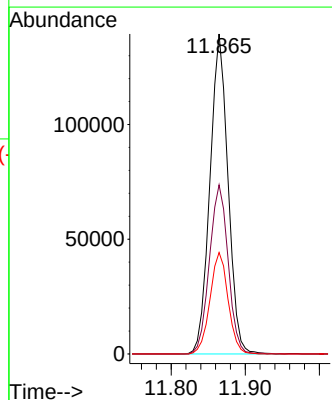
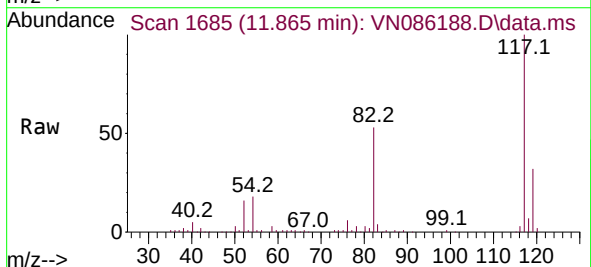
Instrument :
MSVOA_N
ClientSampleId :
12325-C

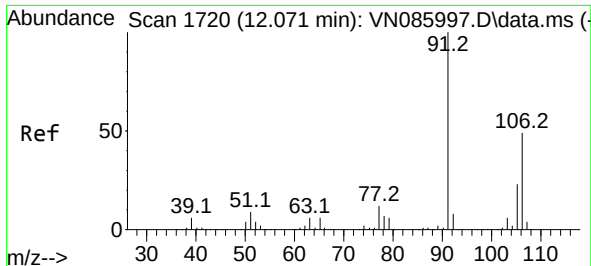
Tgt Ion: 95 Resp: 93802
Ion Ratio Lower Upper
95 100
174 81.1 0.0 156.8
176 76.0 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

Tgt Ion: 117 Resp: 236119
Ion Ratio Lower Upper
117 100
82 52.9 46.7 70.1
119 31.7 26.5 39.7

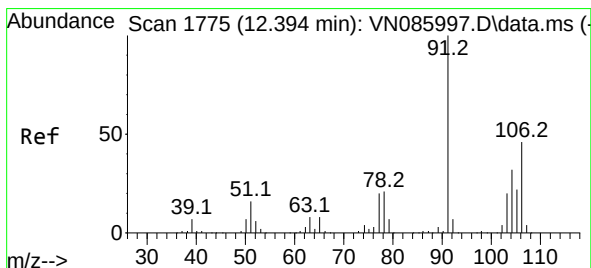
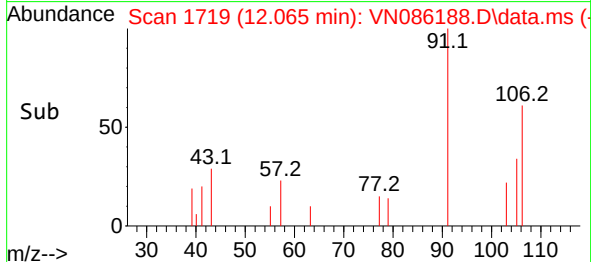
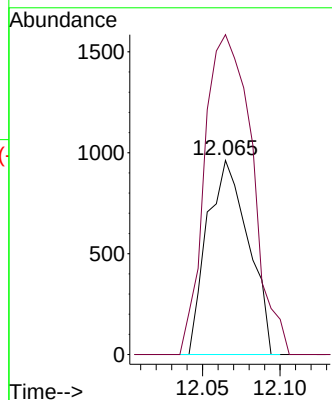
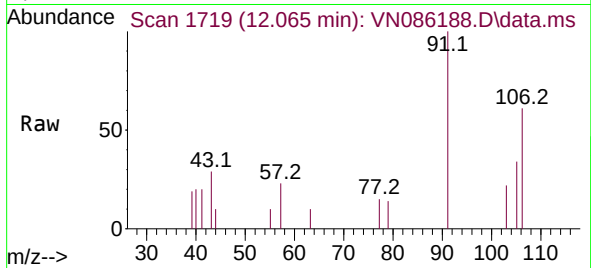




#68
m/p-Xylenes
Concen: 0.525 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

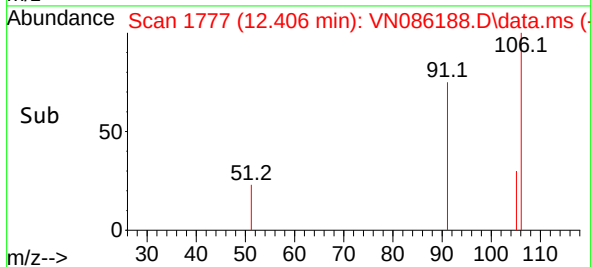
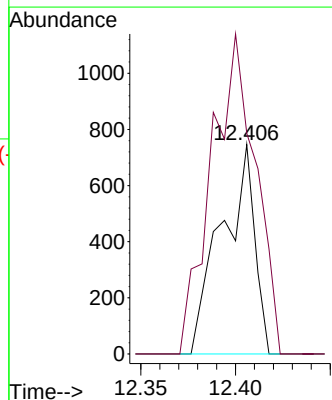
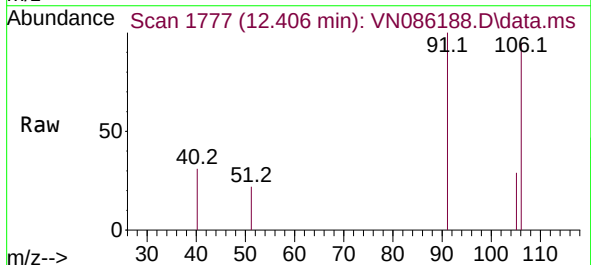
Instrument :
MSVOA_N
ClientSampleId :
12325-C

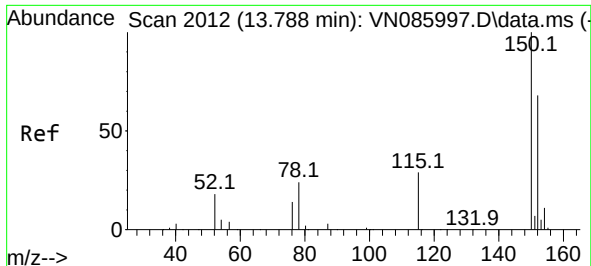
Tgt Ion:106 Resp: 1783
Ion Ratio Lower Upper
106 100
91 188.6 163.9 245.9



#69
o-Xylene
Concen: 0.291 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.012 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

Tgt Ion:106 Resp: 906
Ion Ratio Lower Upper
106 100
91 203.0 109.1 327.2

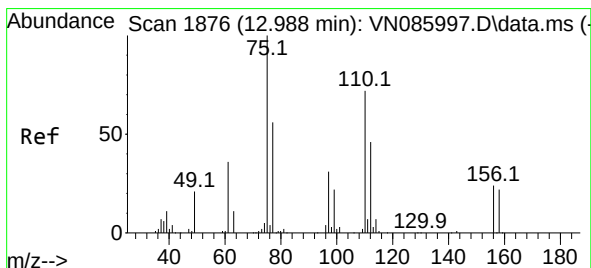
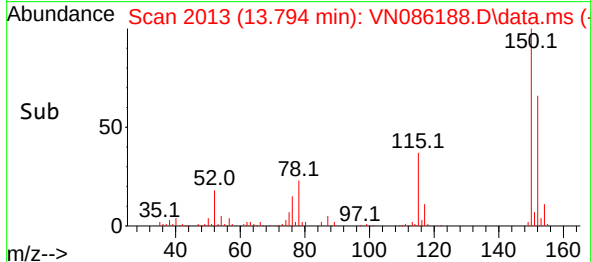
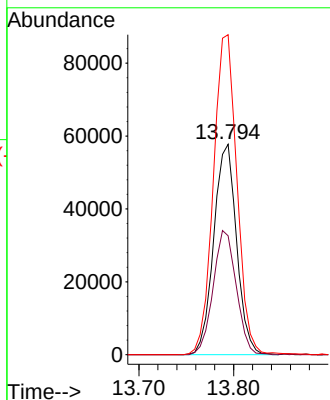
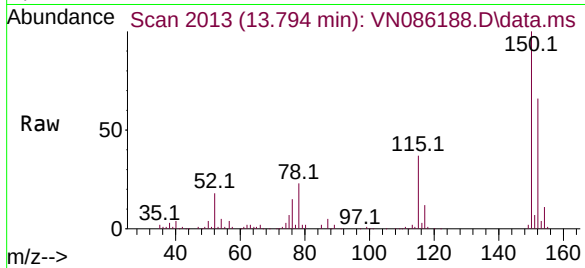




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN086188.D
 Acq: 31 Mar 2025 22:41

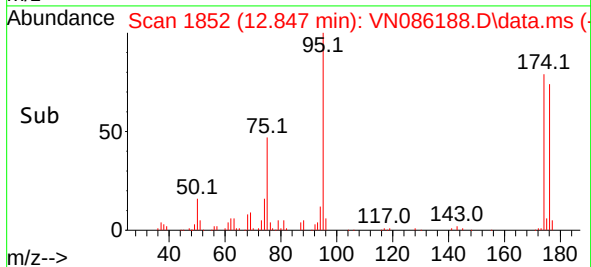
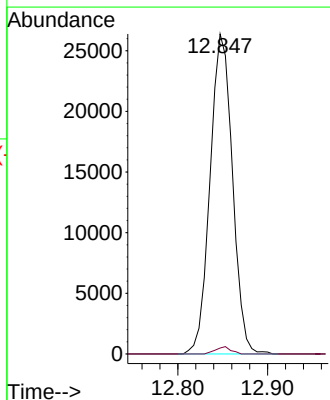
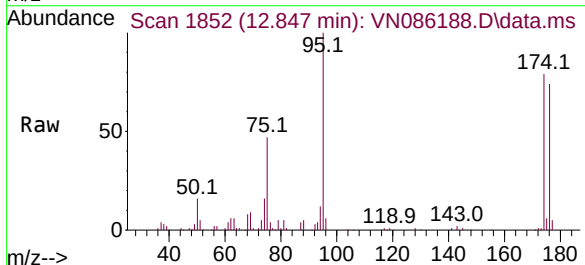
Instrument :
 MSVOA_N
 ClientSampleId :
 12325-C

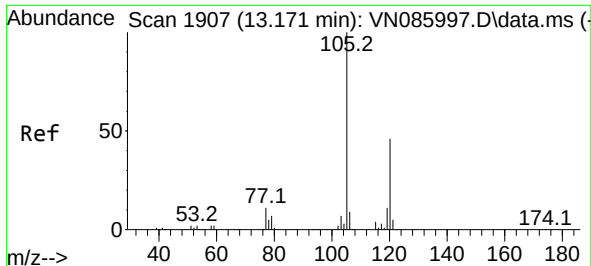
Tgt Ion:152 Resp: 96815
 Ion Ratio Lower Upper
 152 100
 115 59.6 31.1 93.2
 150 156.9 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 21.100 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086188.D
 Acq: 31 Mar 2025 22:41

Tgt Ion: 75 Resp: 45734
 Ion Ratio Lower Upper
 75 100
 77 1.6 83.7 251.0#

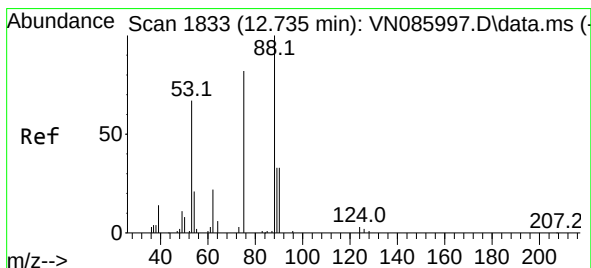
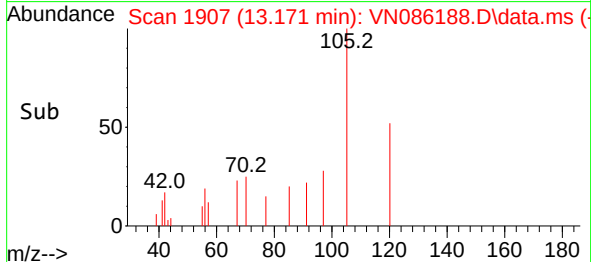
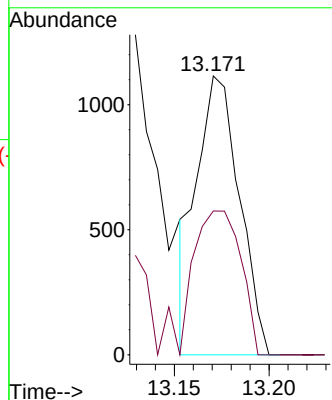
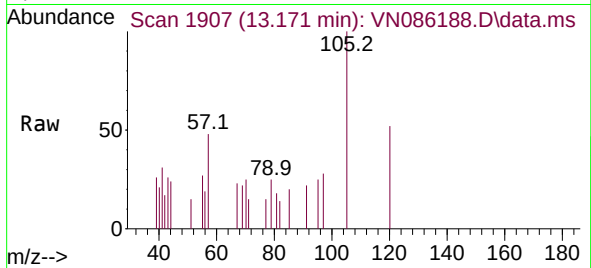




#80
1,3,5-Trimethylbenzene
Concen: 0.313 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

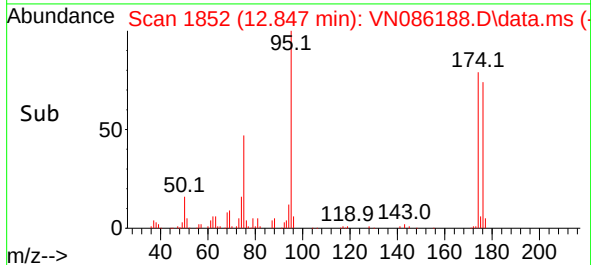
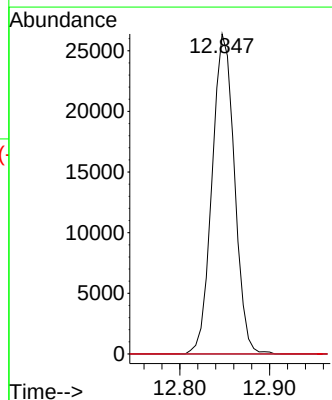
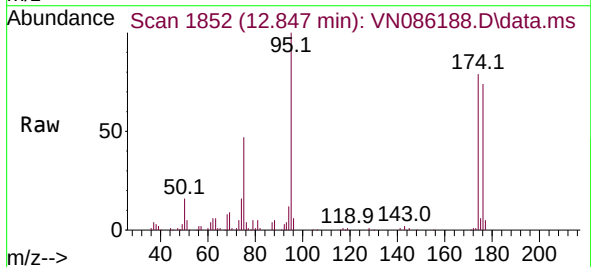
Instrument :
MSVOA_N
ClientSampleId :
12325-C

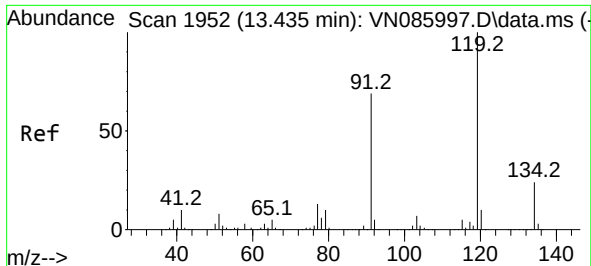
Tgt Ion:105 Resp: 1748
Ion Ratio Lower Upper
105 100
120 56.4 23.7 71.1



#81
trans-1,4-Dichloro-2-butene
Concen: 55.784 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

Tgt Ion: 75 Resp: 45734
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

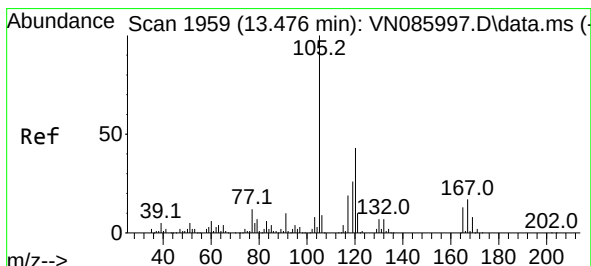
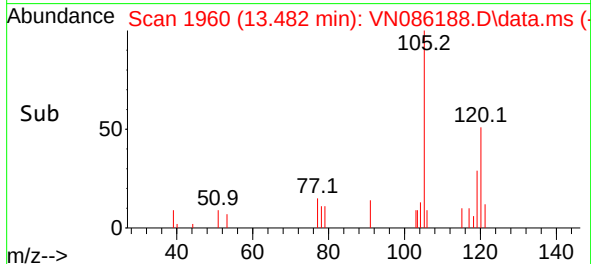
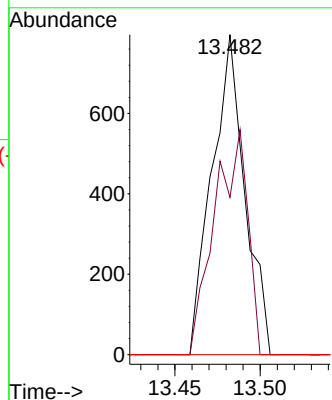
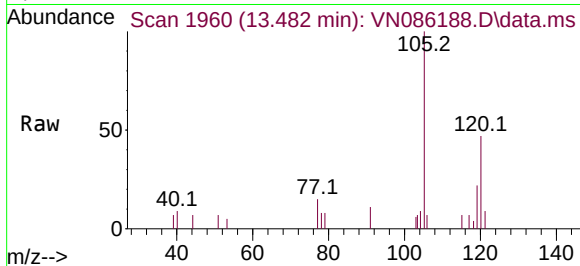




#83
 tert-Butylbenzene
 Concen: 0.224 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.047 min
 Lab File: VN086188.D
 Acq: 31 Mar 2025 22:41

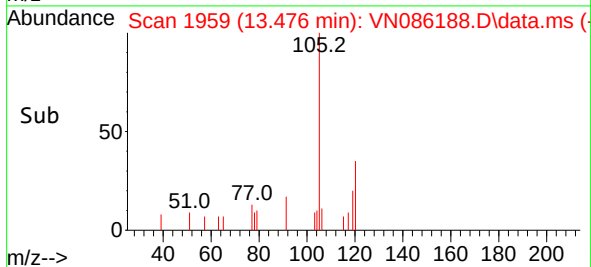
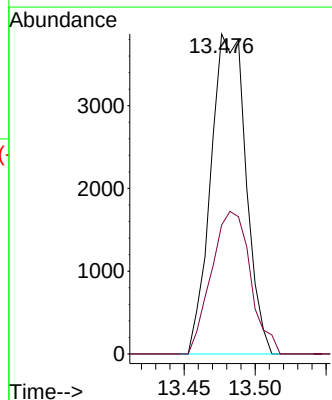
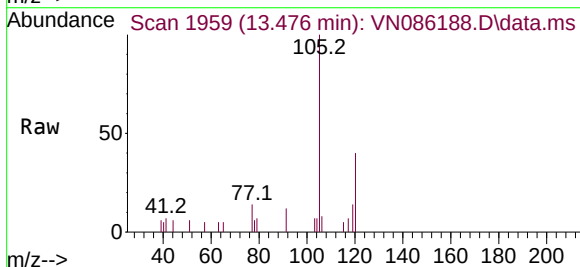
Instrument :
 MSVOA_N
 ClientSampleId :
 12325-C

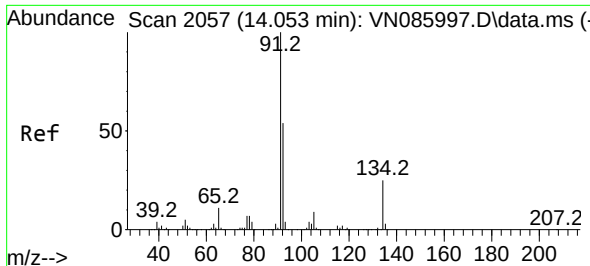
Tgt Ion:119 Resp: 1070
 Ion Ratio Lower Upper
 119 100
 91 70.7 34.3 102.9
 134 0.0 13.5 40.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.178 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086188.D
 Acq: 31 Mar 2025 22:41

Tgt Ion:105 Resp: 6634
 Ion Ratio Lower Upper
 105 100
 120 49.6 21.9 65.8

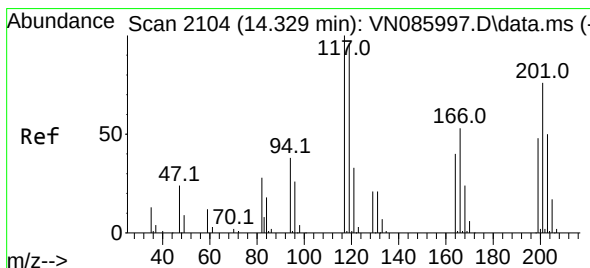
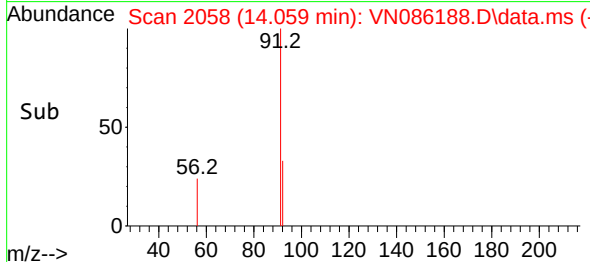
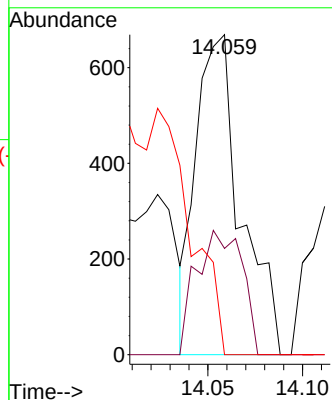
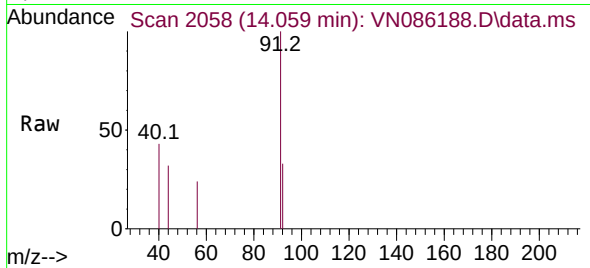




#89
n-Butylbenzene
Concen: 0.256 ug/l
RT: 14.059 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

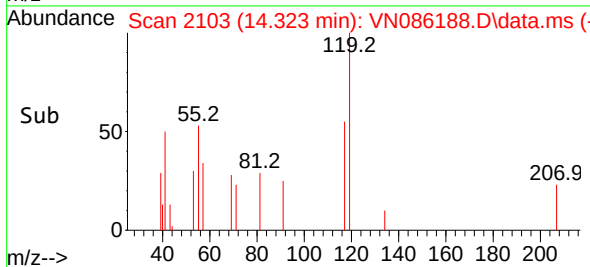
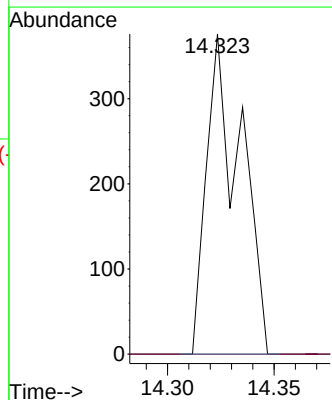
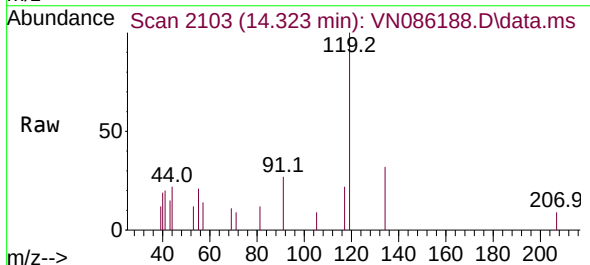
Instrument :
MSVOA_N
ClientSampleId :
12325-C

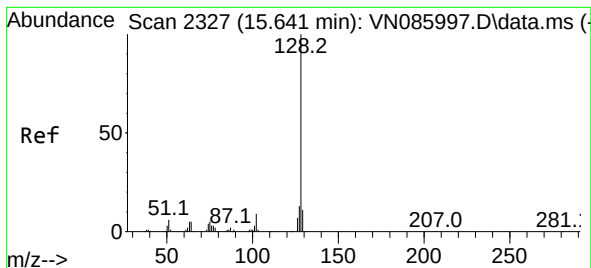
Tgt Ion: 91 Resp: 1101
Ion Ratio Lower Upper
91 100
92 39.7 26.9 80.6
134 0.0 13.0 39.0#



#90
Hexachloroethane
Concen: 0.344 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. -0.006 min
Lab File: VN086188.D
Acq: 31 Mar 2025 22:41

Tgt Ion: 117 Resp: 419
Ion Ratio Lower Upper
117 100
201 0.0 39.1 117.3#





#95

Naphthalene

Concen: 1.649 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086188.D

Acq: 31 Mar 2025 22:41

Instrument :

MSVOA_N

ClientSampleId :

12325-C

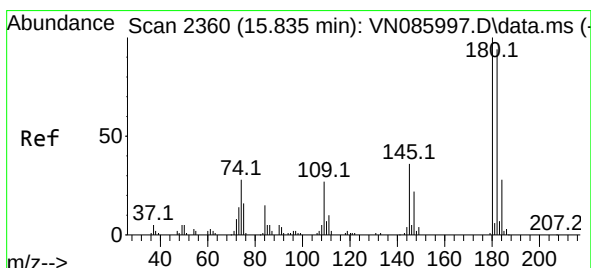
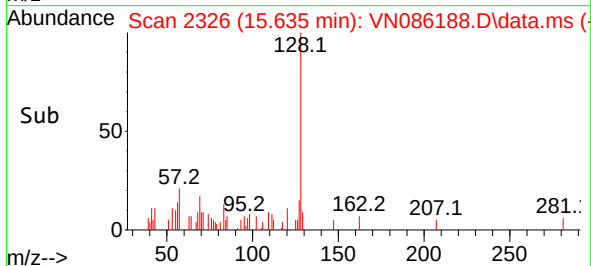
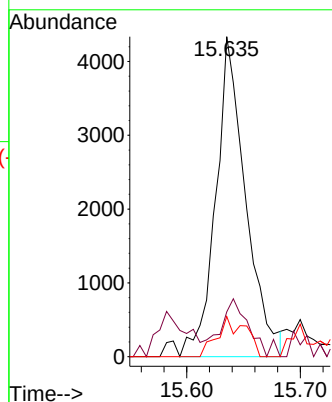
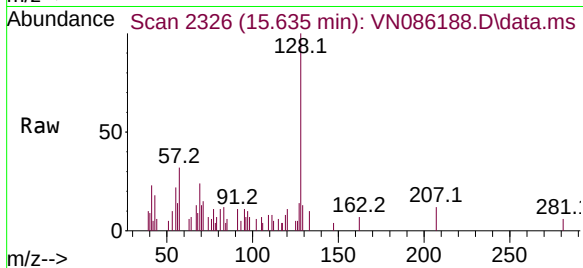
Tgt Ion:128 Resp: 7933

Ion Ratio Lower Upper

128 100

127 16.9 10.2 15.4#

129 11.7 9.0 13.6



#96

1,2,3-Trichlorobenzene

Concen: 0.289 ug/l

RT: 15.823 min Scan# 2358

Delta R.T. -0.012 min

Lab File: VN086188.D

Acq: 31 Mar 2025 22:41

Tgt Ion:180 Resp: 455

Ion Ratio Lower Upper

180 100

182 505.5 47.5 142.5#

145 375.6 17.7 53.1#

