

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085715.D
 Acq On : 07 Feb 2025 22:42
 Operator : JC\MD
 Sample : Q1293-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 08 00:45:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

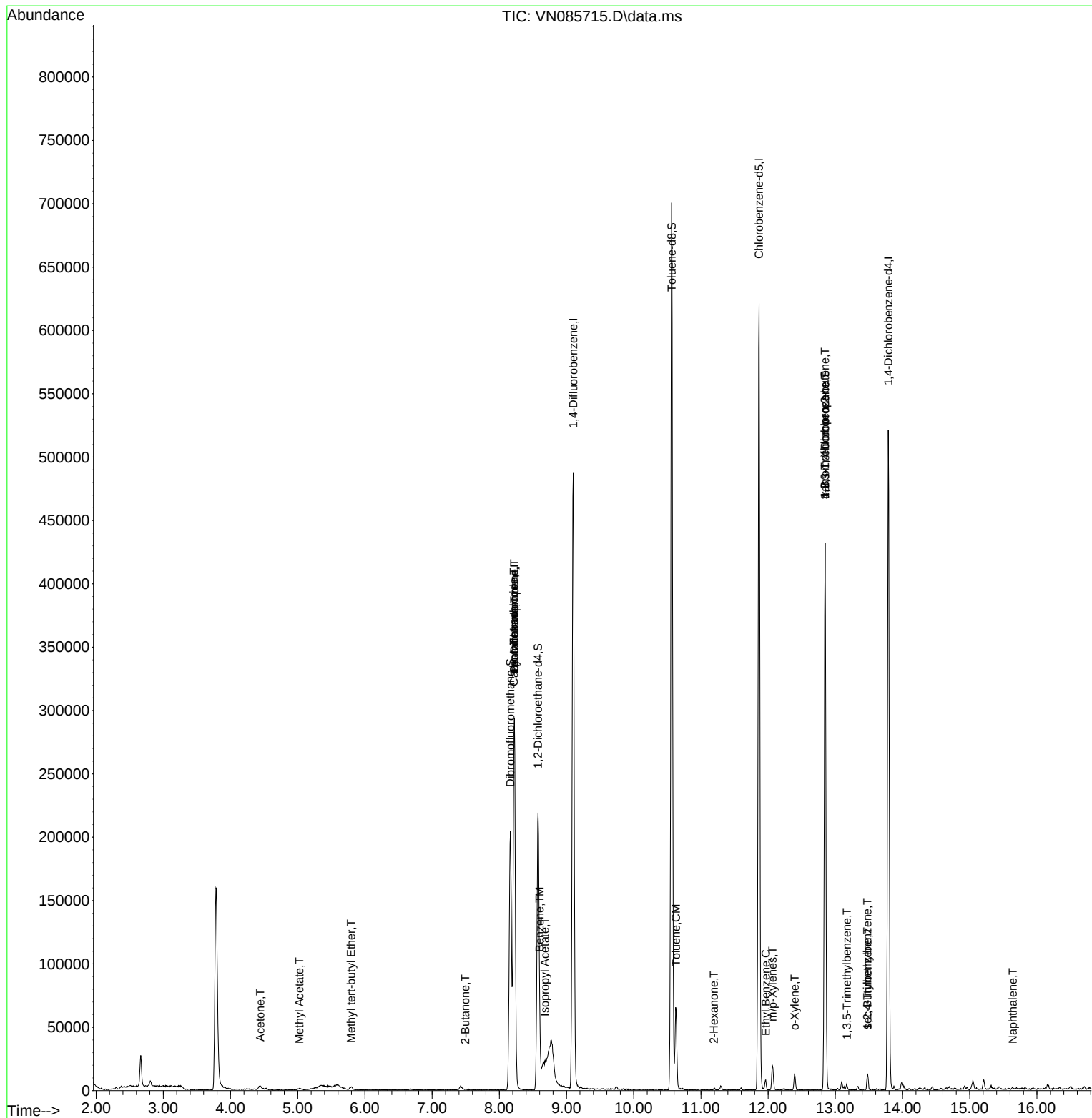
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	204658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	414702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	351300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	178295	53.970	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.940%	
35) Dibromofluoromethane	8.165	113	147707	51.340	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.680%	
50) Toluene-d8	10.565	98	488880	47.826	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.660%	
62) 4-Bromofluorobenzene	12.847	95	144852	41.426	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 82.860%	
Target Compounds						Qvalue
16) Acetone	4.442	43	5548	5.198	ug/l	93
18) Methyl Acetate	5.024	43	2912	0.897	ug/l #	65
19) Methyl tert-butyl Ether	5.795	73	3433	0.481	ug/l #	90
25) 2-Butanone	7.494	43	1027	0.654	ug/l #	50
31) Cyclohexane	8.224	56	5297	1.263	ug/l #	2
36) 1,1-Dichloropropene	8.224	75	18648	4.618	ug/l #	50
38) Carbon Tetrachloride	8.218	117	22296	4.823	ug/l #	17
40) Benzene	8.600	78	16212	1.336	ug/l	96
43) Isopropyl Acetate	8.677	43	22345	3.422	ug/l #	57
52) Toluene	10.630	92	26923	3.830	ug/l	97
59) 2-Hexanone	11.194	43	602	0.226	ug/l #	26
67) Ethyl Benzene	11.965	91	5638	0.450	ug/l	96
68) m/p-Xylenes	12.065	106	5778	1.247	ug/l	98
69) o-Xylene	12.394	106	3244	0.733	ug/l	93
76) 1,2,3-Trichloropropane	12.847	75	76659	27.158	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.171	105	2067	0.267	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.847	75	76659	73.478	ug/l #	3
84) 1,2,4-Trimethylbenzene	13.476	105	7199	0.933	ug/l	96
85) sec-Butylbenzene	13.476	105	7199	0.799	ug/l #	57
95) Naphthalene	15.641	128	1891	0.303	ug/l #	75

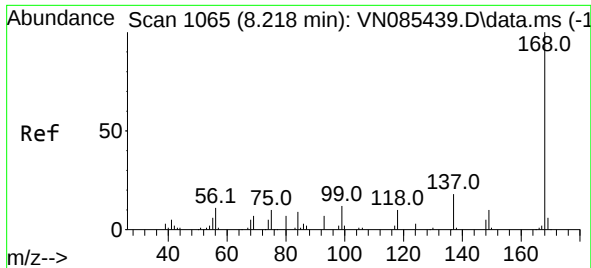
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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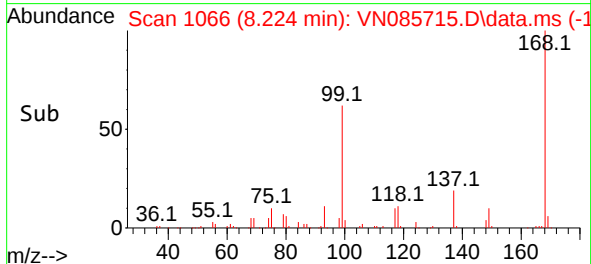
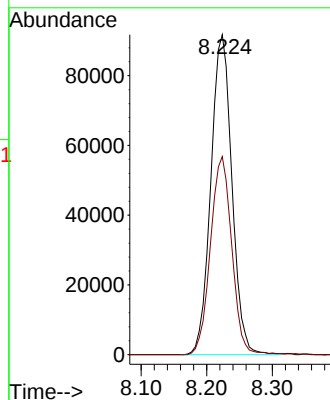
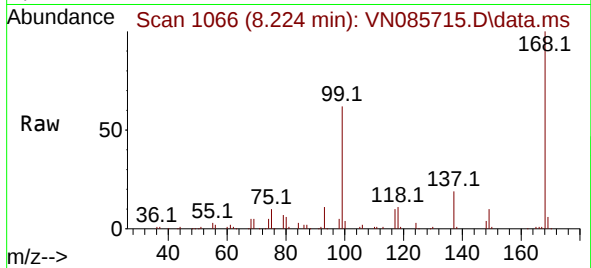




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

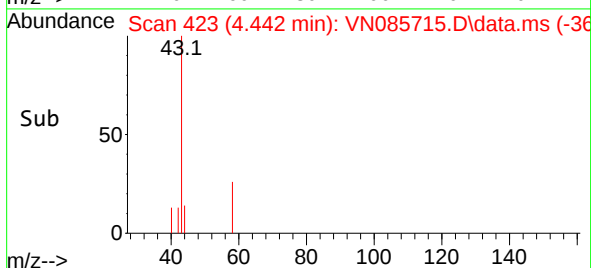
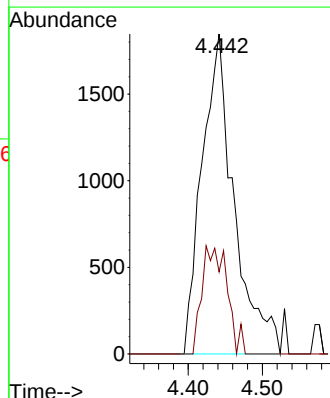
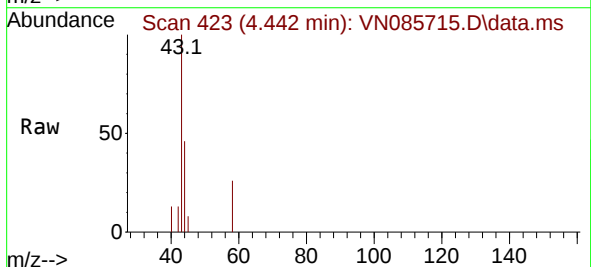
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 204658
Ion Ratio Lower Upper
168 100
99 61.9 53.6 80.4



#16
Acetone
Concen: 5.198 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.024 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

Tgt Ion: 43 Resp: 5548
Ion Ratio Lower Upper
43 100
58 25.7 23.8 35.6





#18

Methyl Acetate

Concen: 0.897 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

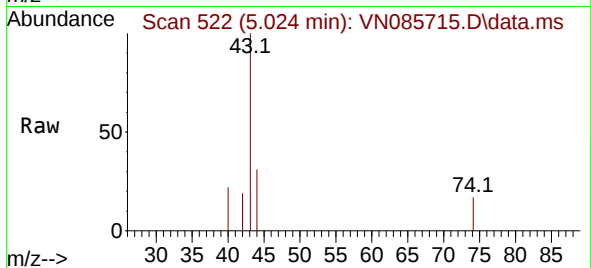
Lab File: VN085715.D

Acq: 07 Feb 2025 22:42

Instrument :

MSVOA_N

ClientSampleId :

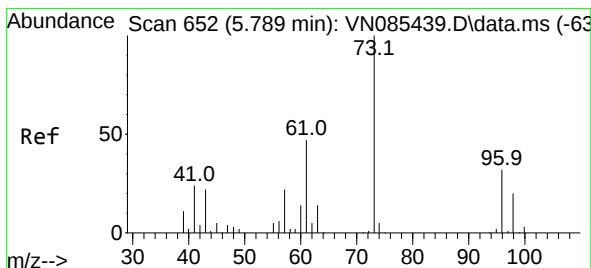
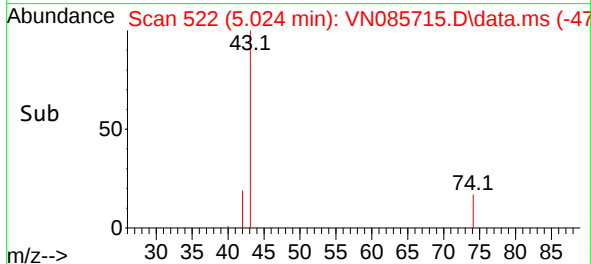
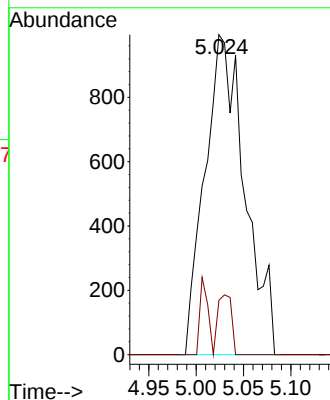


Tgt Ion: 43 Resp: 2912

Ion Ratio Lower Upper

43 100

74 6.5 18.6 28.0#



#19

Methyl tert-butyl Ether

Concen: 0.481 ug/l

RT: 5.795 min Scan# 653

Delta R.T. 0.006 min

Lab File: VN085715.D

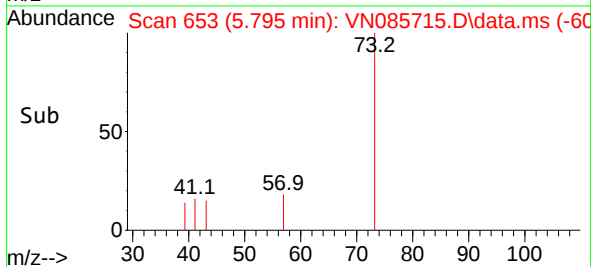
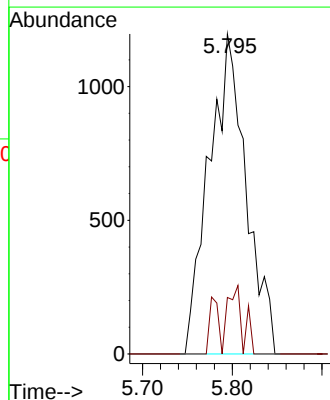
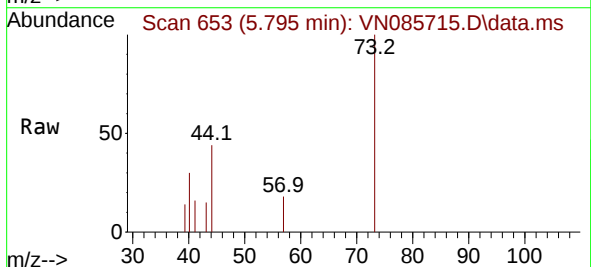
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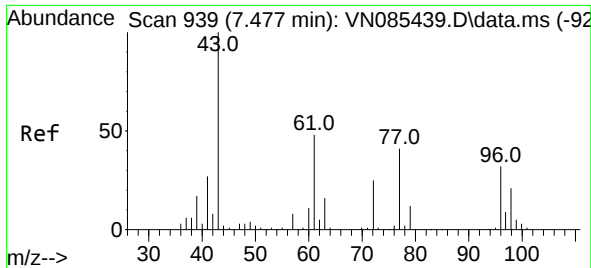
Tgt Ion: 73 Resp: 3433

Ion Ratio Lower Upper

73 100

57 17.6 17.8 26.8#

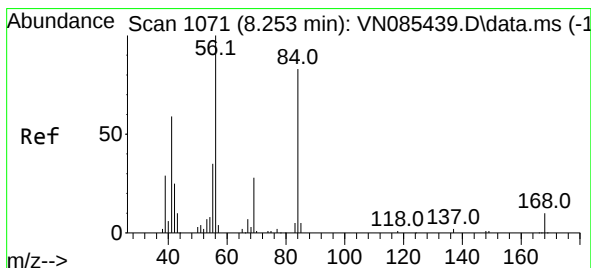
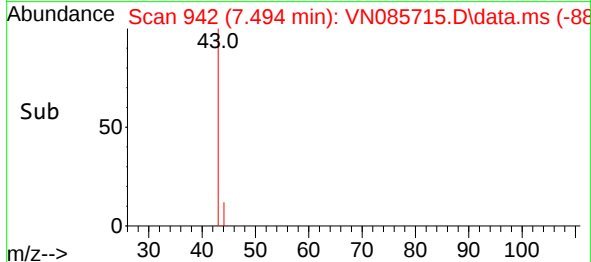
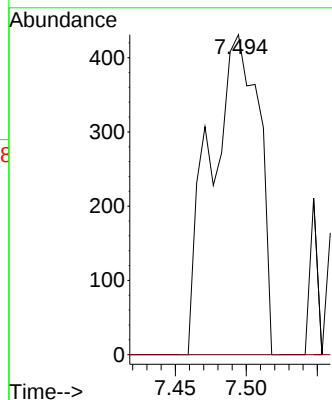
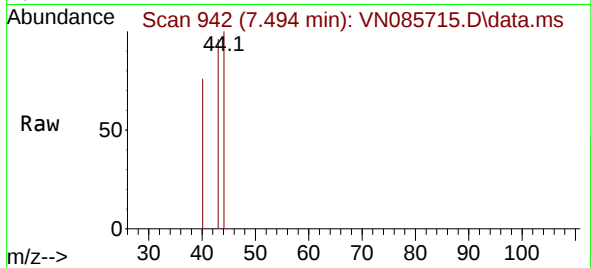




#25
2-Butanone
Concen: 0.654 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

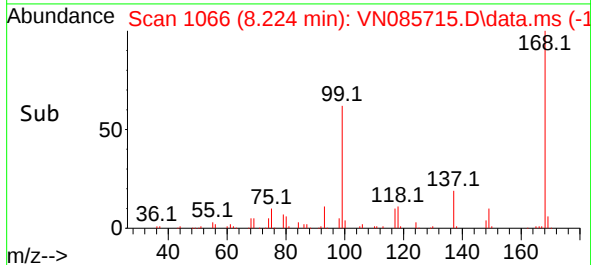
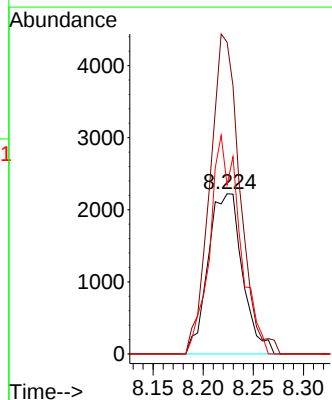
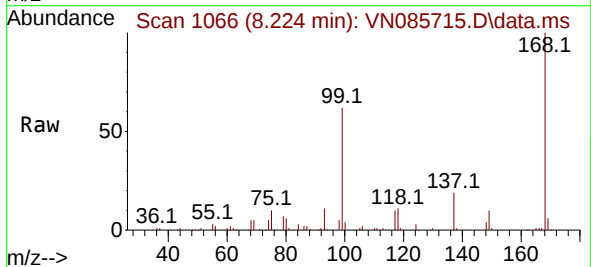
Instrument :
MSVOA_N
ClientSampleId :

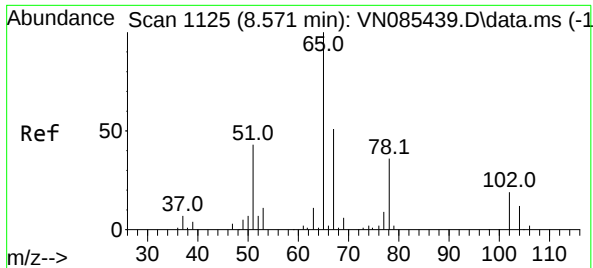
Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

Tgt Ion: 56 Resp: 5297
Ion Ratio Lower Upper
56 100
69 194.6 22.2 33.4#
84 105.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.970 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085715.D

Acq: 07 Feb 2025 22:42

Instrument :

MSVOA_N

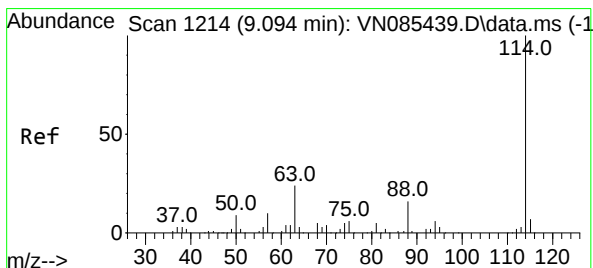
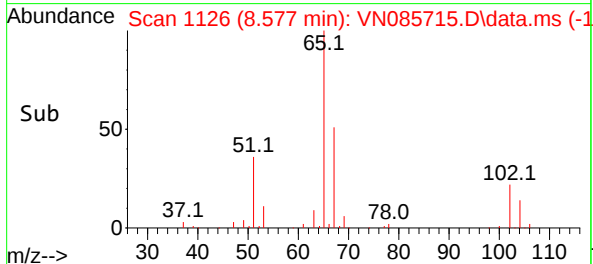
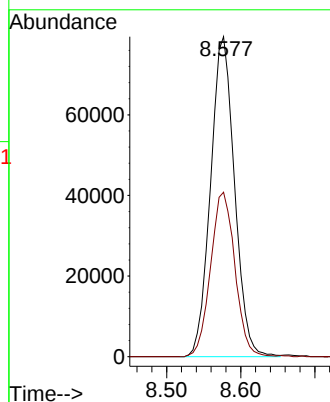
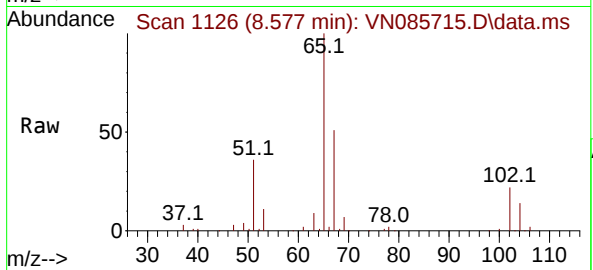
ClientSampleId :

Tgt Ion: 65 Resp: 178295

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085715.D

Acq: 07 Feb 2025 22:42

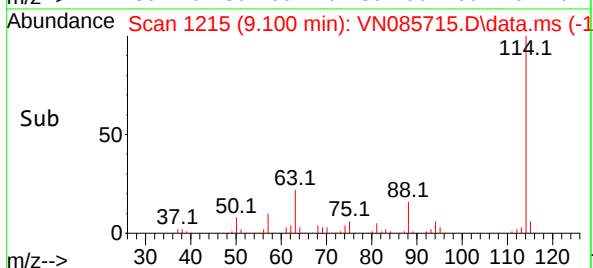
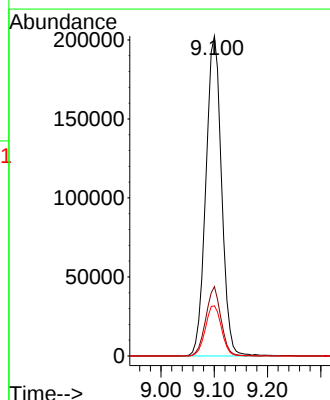
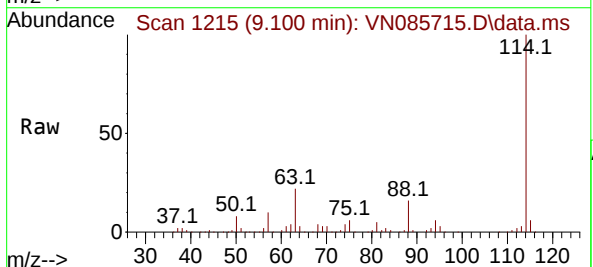
Tgt Ion: 114 Resp: 414702

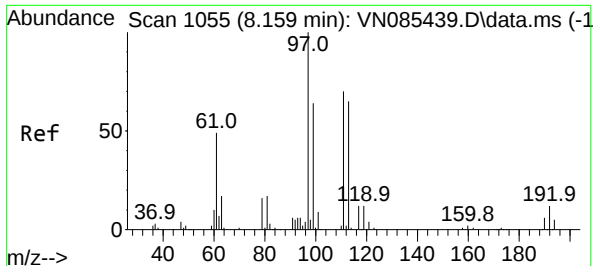
Ion Ratio Lower Upper

114 100

63 21.6 0.0 47.6

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.340 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

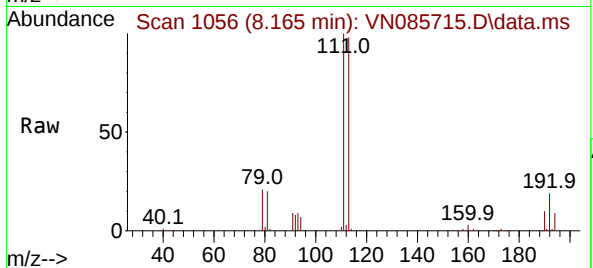
Lab File: VN085715.D

Acq: 07 Feb 2025 22:42

Instrument :

MSVOA_N

ClientSampleId :



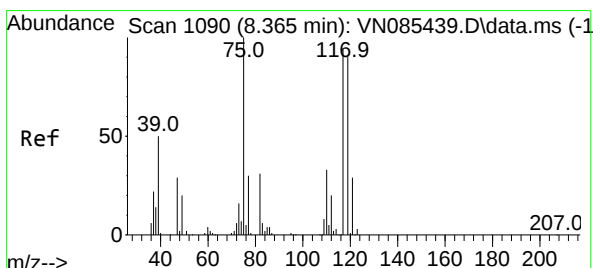
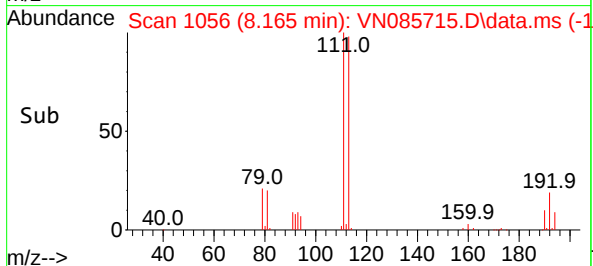
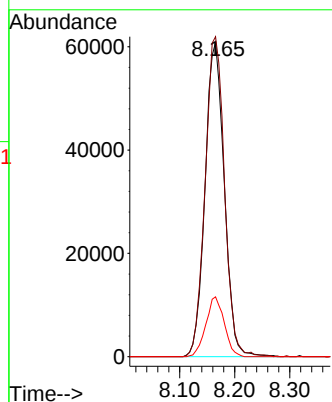
Tgt Ion:113 Resp: 147707

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

192 18.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085715.D

Acq: 07 Feb 2025 22:42

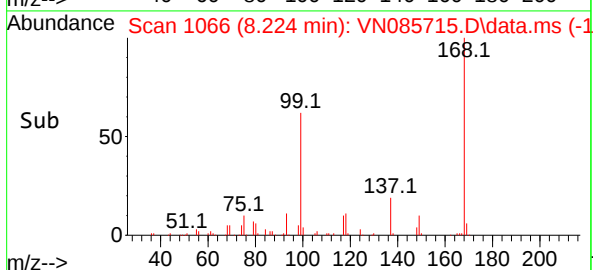
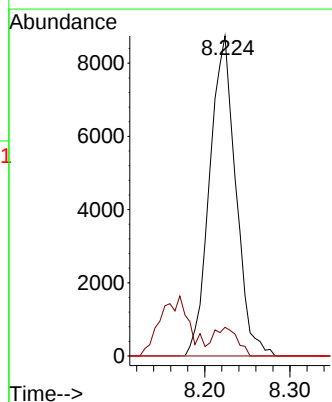
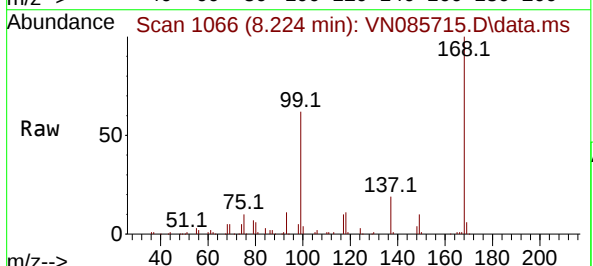
Tgt Ion: 75 Resp: 18648

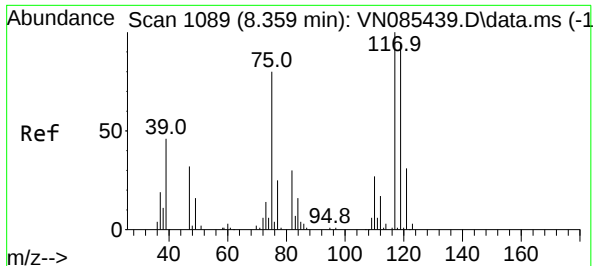
Ion Ratio Lower Upper

75 100

110 8.2 16.5 49.5#

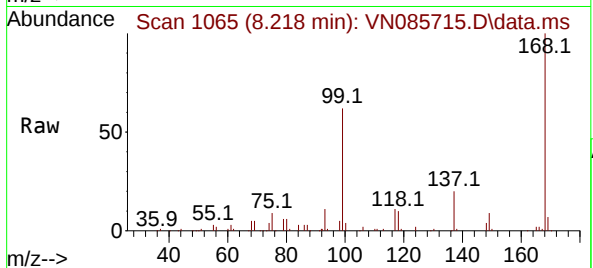
77 0.0 24.4 36.6#



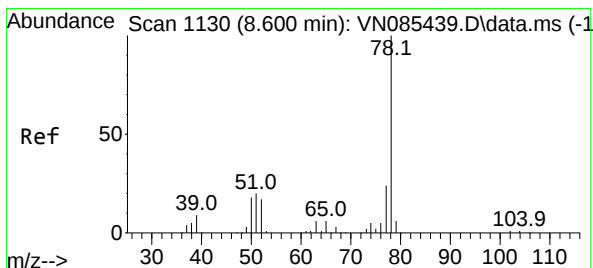
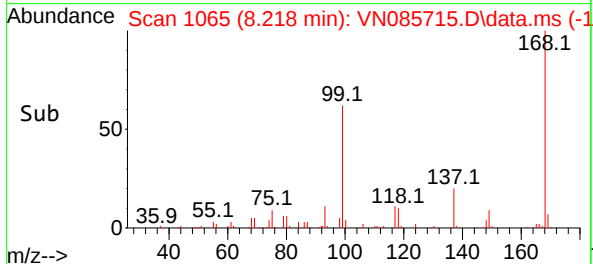
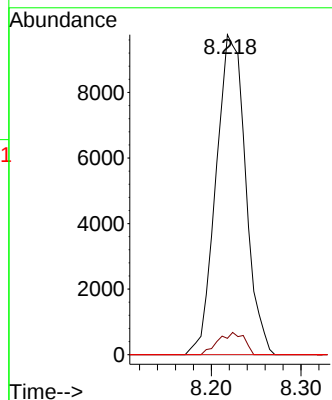


#38
Carbon Tetrachloride
Concen: 4.823 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

Instrument :
MSVOA_N
ClientSampleId :

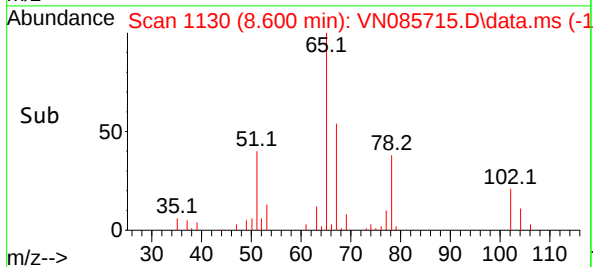
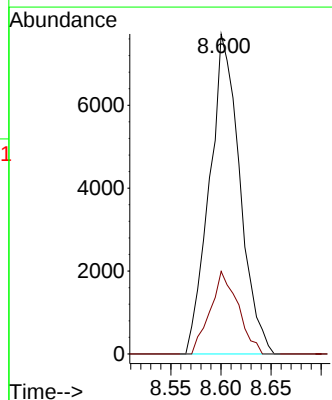
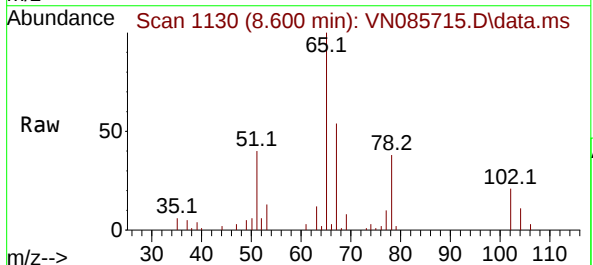


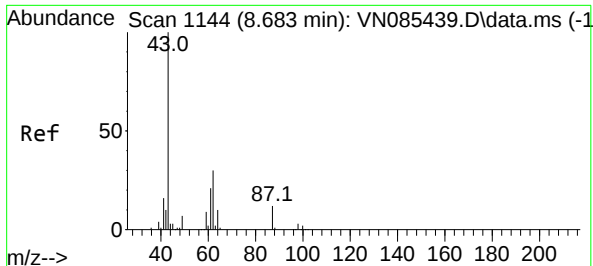
Tgt Ion:117 Resp: 22296
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 1.336 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

Tgt Ion: 78 Resp: 16212
Ion Ratio Lower Upper
78 100
77 25.8 19.0 28.6





#43

Isopropyl Acetate

Concen: 3.422 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VN085715.D

Acq: 07 Feb 2025 22:42

Instrument :

MSVOA_N

ClientSampleId :

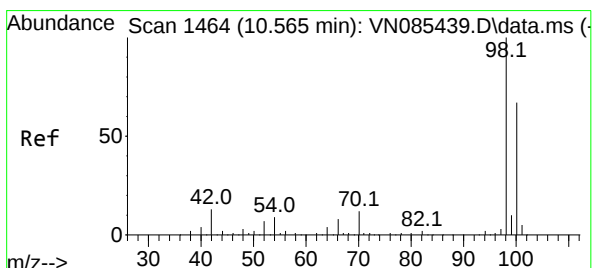
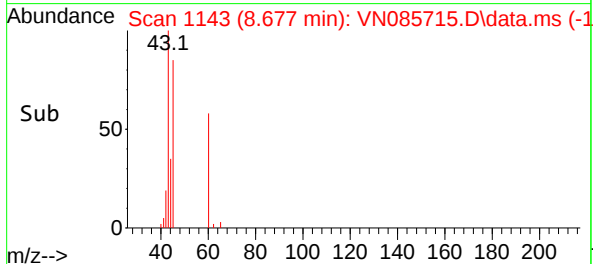
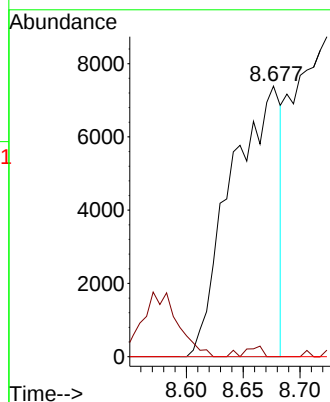
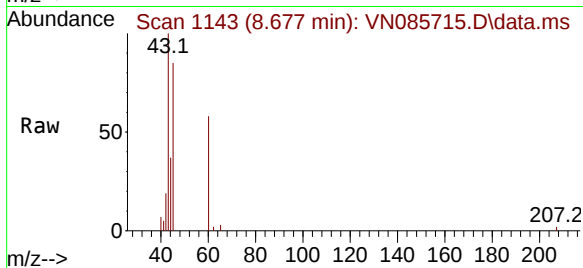
Tgt Ion: 43 Resp: 22345

Ion Ratio Lower Upper

43 100

61 1.4 20.7 31.1#

87 0.0 9.8 14.8#



#50

Toluene-d8

Concen: 47.826 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085715.D

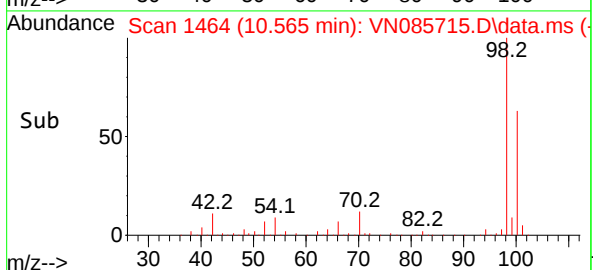
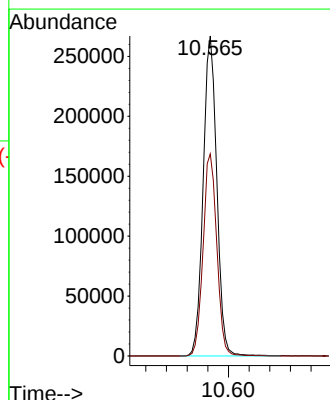
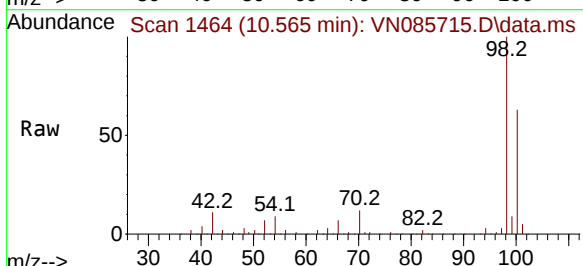
Acq: 07 Feb 2025 22:42

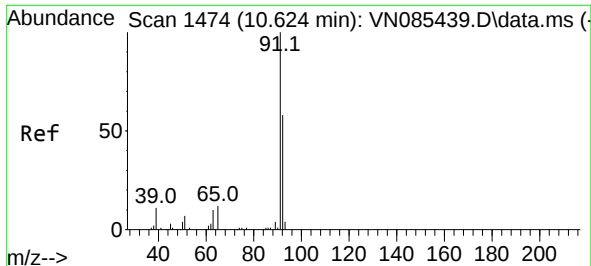
Tgt Ion: 98 Resp: 488880

Ion Ratio Lower Upper

98 100

100 63.4 52.2 78.4

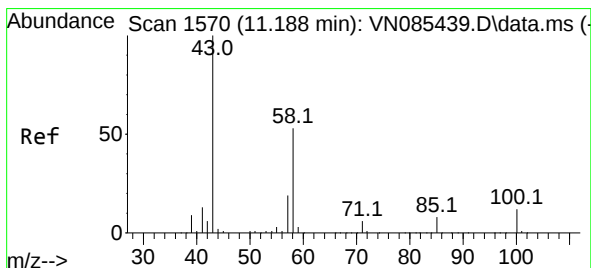
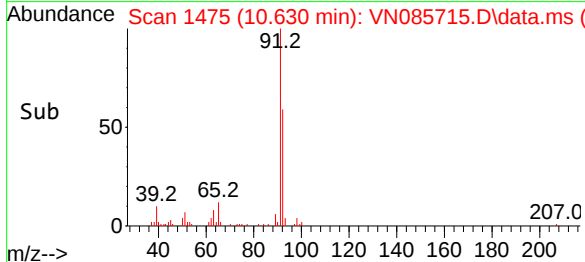
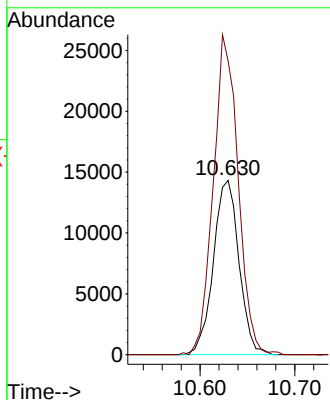
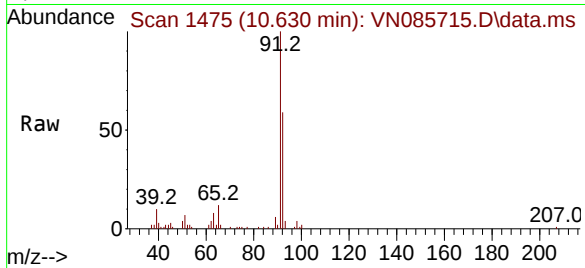




#52
Toluene
Concen: 3.830 ug/l
RT: 10.630 min Scan# 1474
Delta R.T. 0.005 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

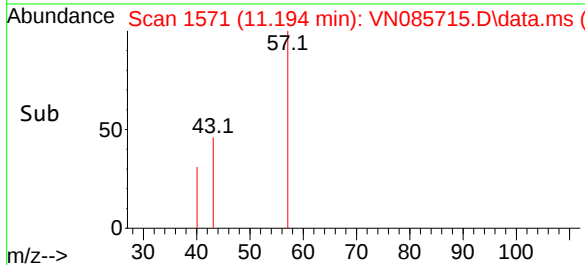
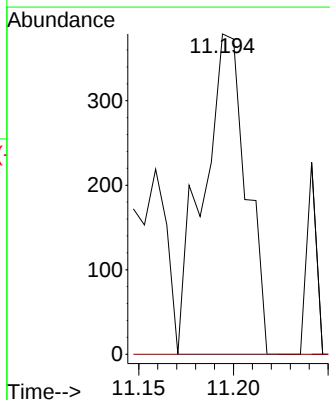
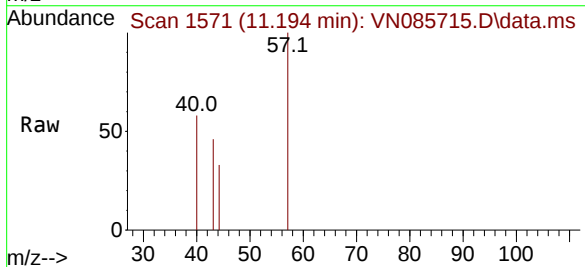
Instrument :
MSVOA_N
ClientSampleId :

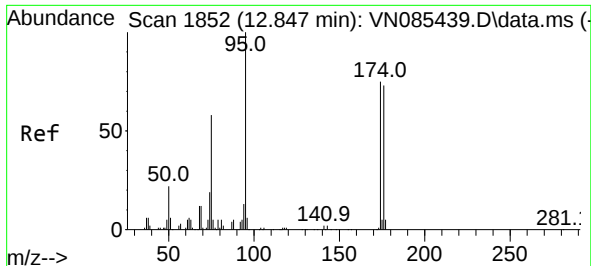
Tgt Ion: 92 Resp: 26923
Ion Ratio Lower Upper
92 100
91 177.7 139.2 208.8



#59
2-Hexanone
Concen: 0.226 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

Tgt Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#

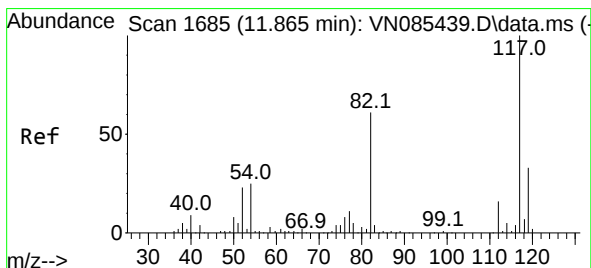
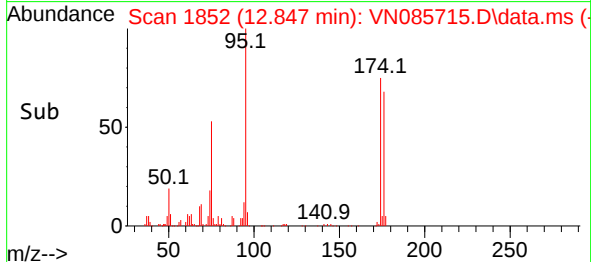
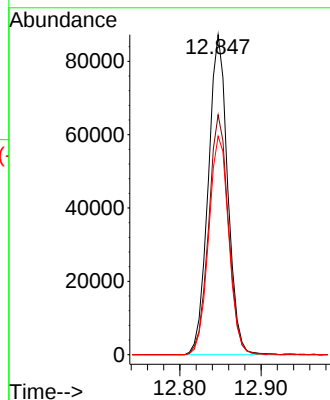
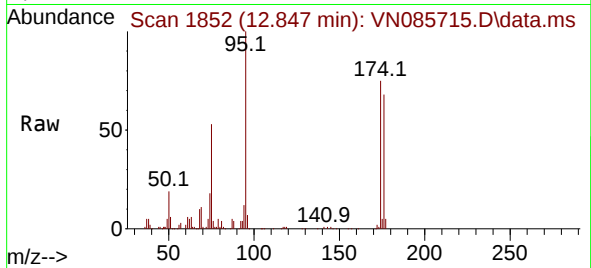




#62
4-Bromofluorobenzene
Concen: 41.426 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

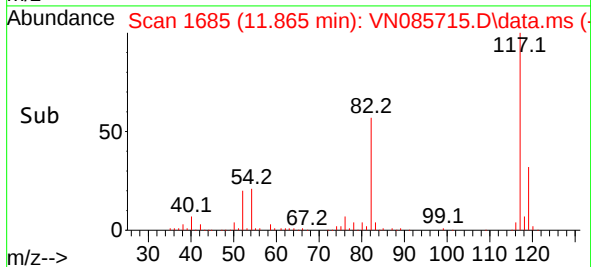
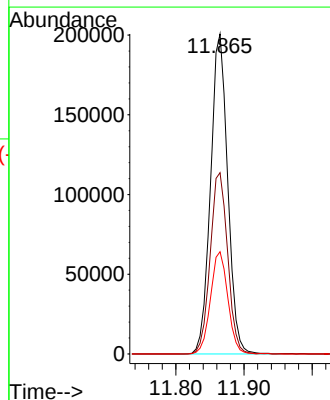
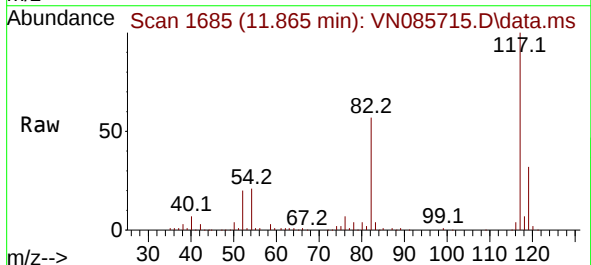
Instrument :
MSVOA_N
ClientSampleId :

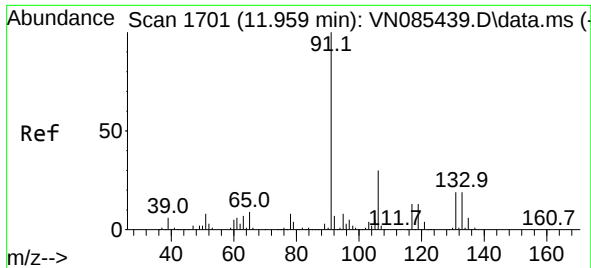
Tgt Ion: 95 Resp: 144852
Ion Ratio Lower Upper
95 100
174 76.5 0.0 145.0
176 70.4 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

Tgt Ion: 117 Resp: 351300
Ion Ratio Lower Upper
117 100
82 56.7 48.6 72.8
119 32.0 26.6 39.8

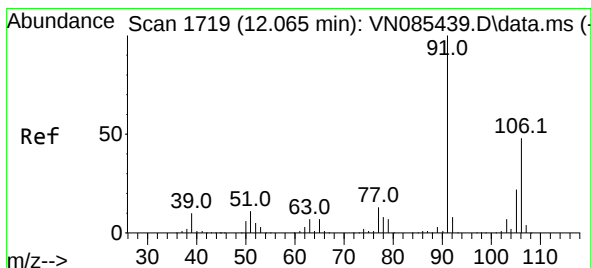
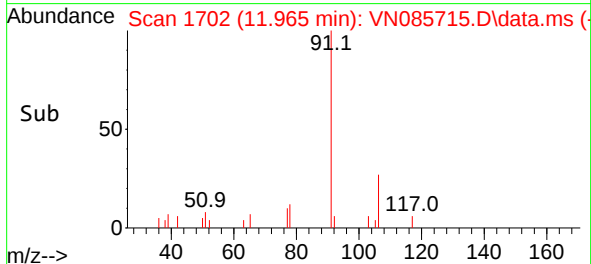
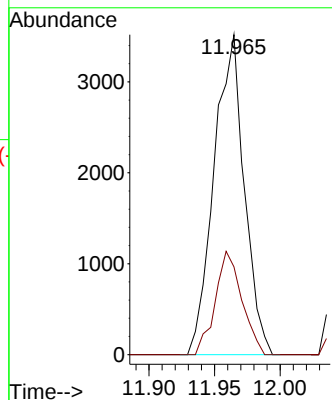
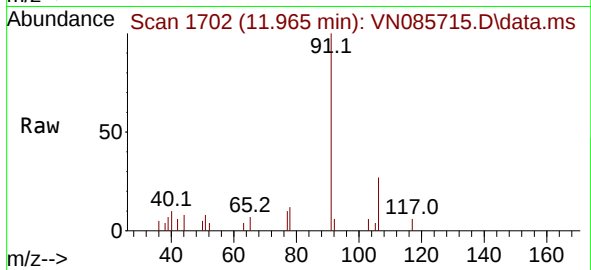




#67
Ethyl Benzene
Concen: 0.450 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

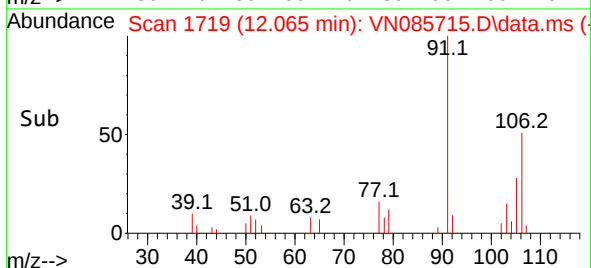
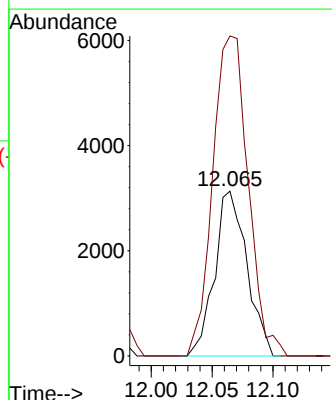
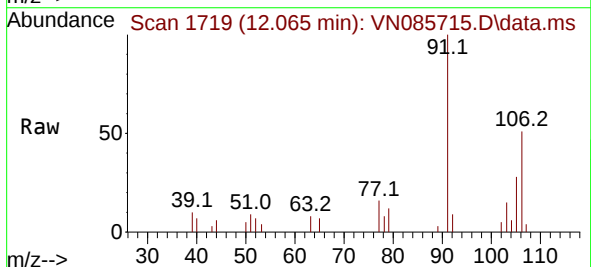
Instrument :
MSVOA_N
ClientSampleId :

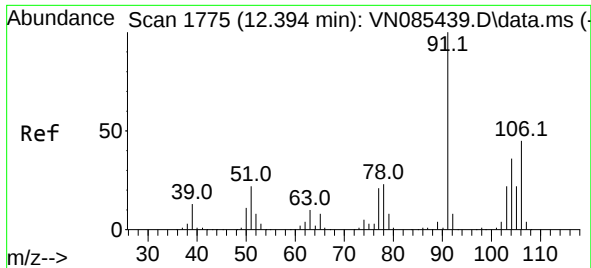
Tgt Ion: 91 Resp: 5638
Ion Ratio Lower Upper
91 100
106 27.4 23.8 35.8



#68
m/p-Xylenes
Concen: 1.247 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

Tgt Ion: 106 Resp: 5778
Ion Ratio Lower Upper
106 100
91 212.9 167.7 251.5

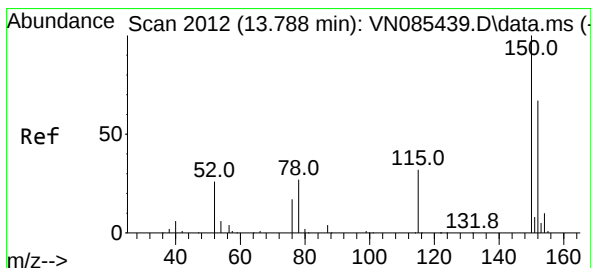
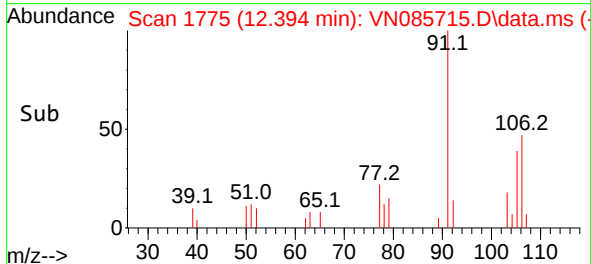
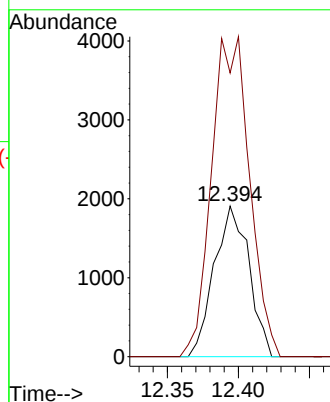
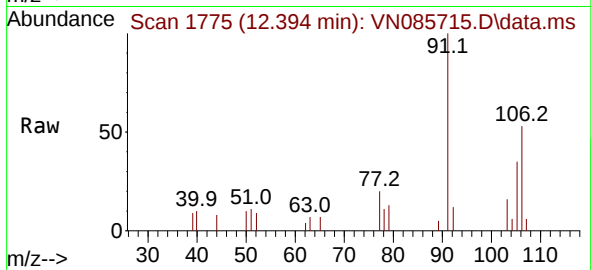




#69
o-Xylene
Concen: 0.733 ug/l
RT: 12.394 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

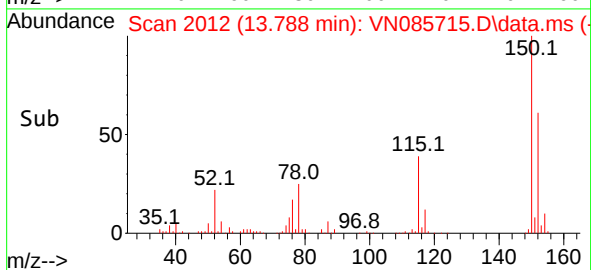
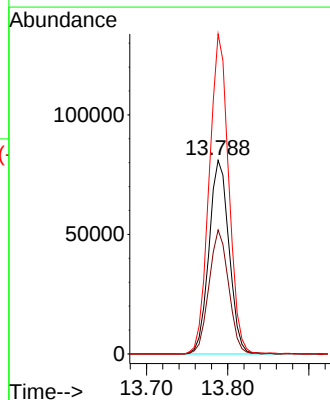
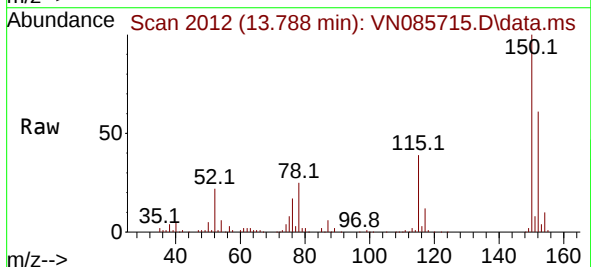
Instrument :
MSVOA_N
ClientSampleId :

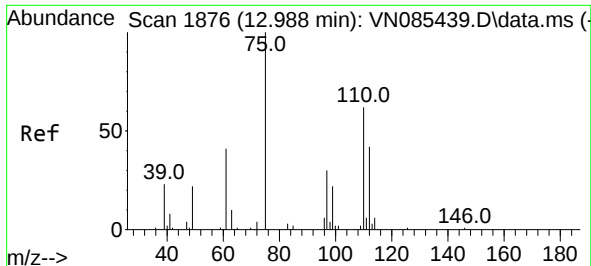
Tgt Ion:106 Resp: 3244
Ion Ratio Lower Upper
106 100
91 232.6 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

Tgt Ion:152 Resp: 138876
Ion Ratio Lower Upper
152 100
115 62.7 31.1 93.3
150 160.8 0.0 343.6

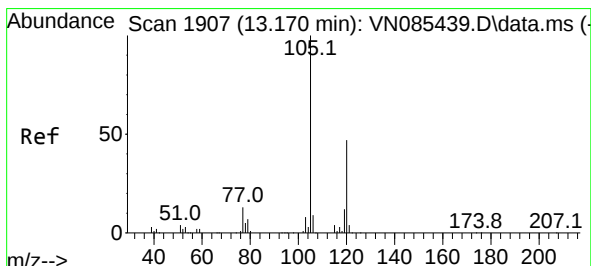
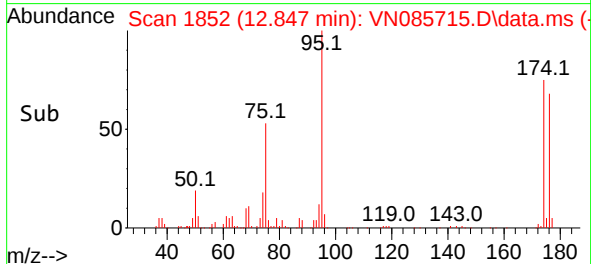
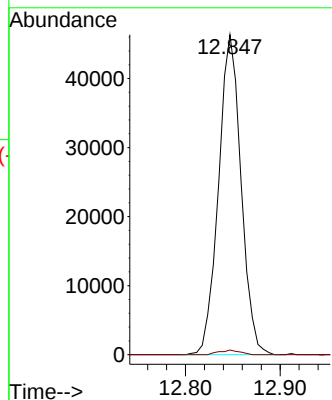
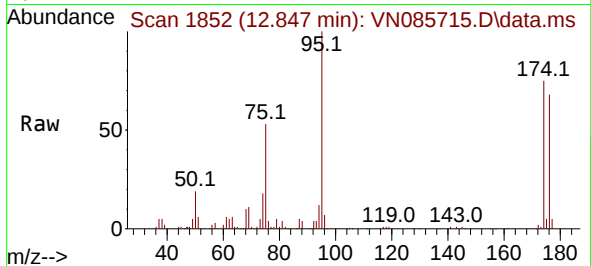




#76
 1,2,3-Trichloropropane
 Concen: 27.158 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. -0.141 min
 Lab File: VN085715.D
 Acq: 07 Feb 2025 22:42

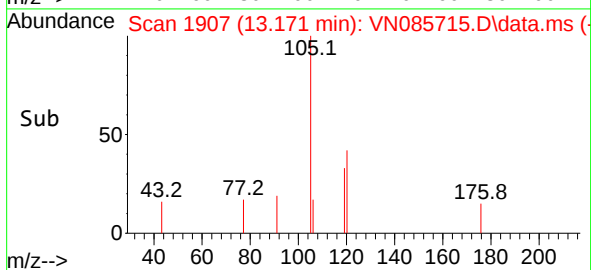
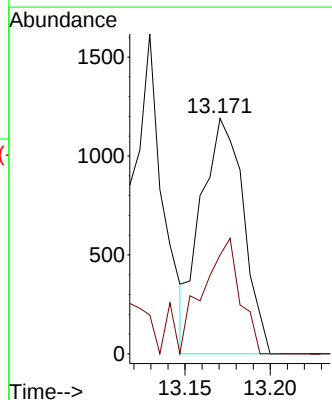
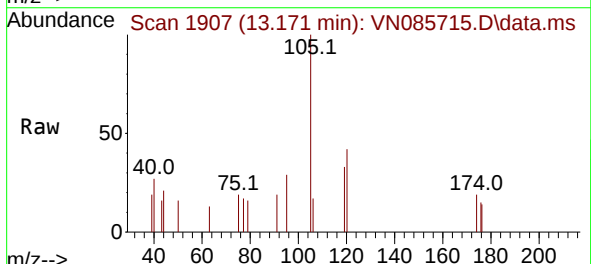
Instrument :
 MSVOA_N
 ClientSampleId :

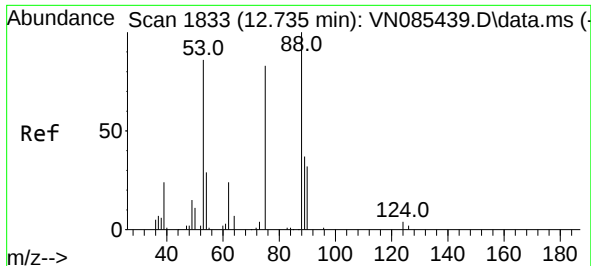
Tgt Ion: 75 Resp: 76659
 Ion Ratio Lower Upper
 75 100
 77 1.3 109.7 329.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.267 ug/l
 RT: 13.171 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VN085715.D
 Acq: 07 Feb 2025 22:42

Tgt Ion:105 Resp: 2067
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.9 71.7

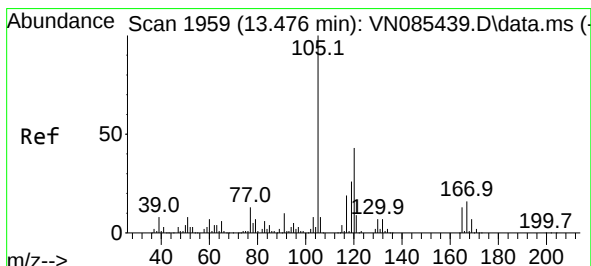
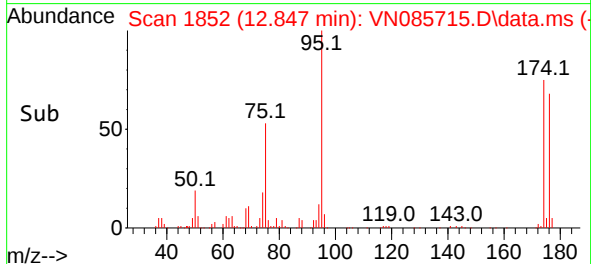
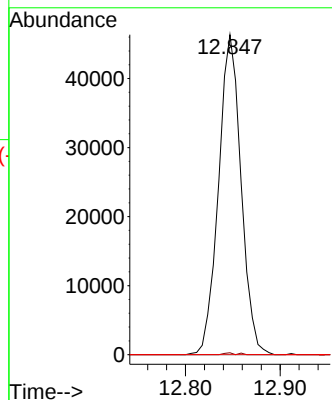
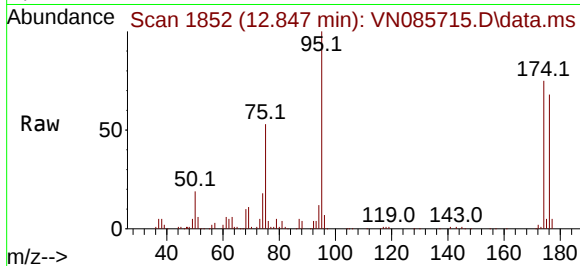




#81
trans-1,4-Dichloro-2-butene
Concen: 73.478 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

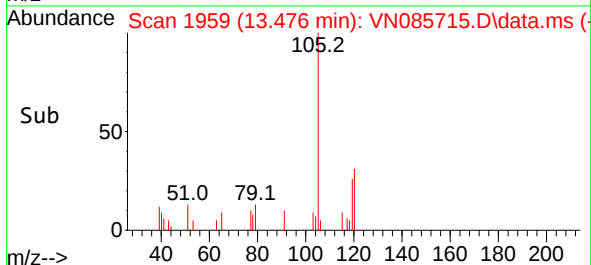
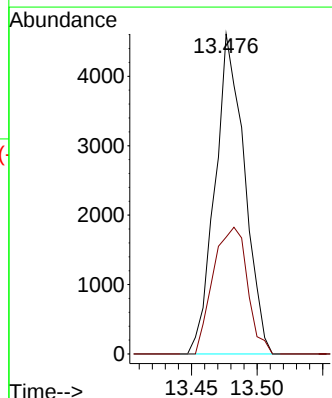
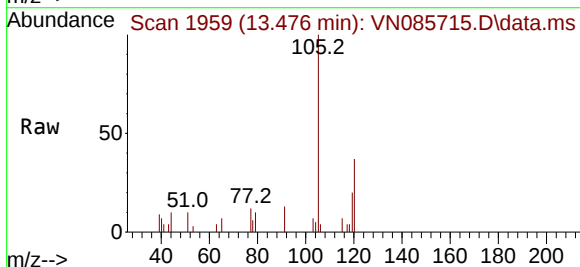
Instrument :
MSVOA_N
ClientSampleId :

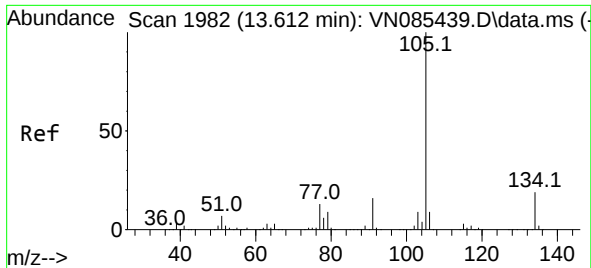
Tgt Ion: 75 Resp: 76659
Ion Ratio Lower Upper
75 100
53 0.3 95.6 143.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.933 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085715.D
Acq: 07 Feb 2025 22:42

Tgt Ion:105 Resp: 7199
Ion Ratio Lower Upper
105 100
120 46.1 21.6 65.0

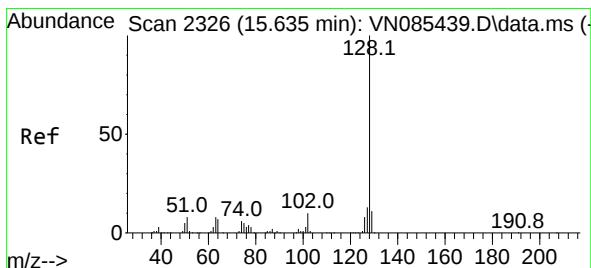
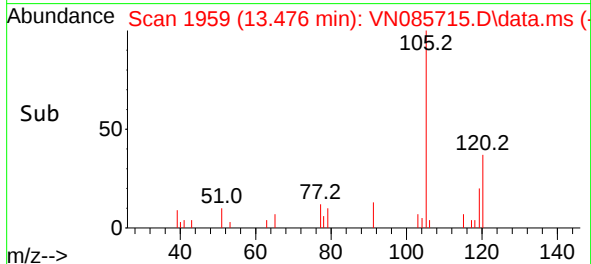
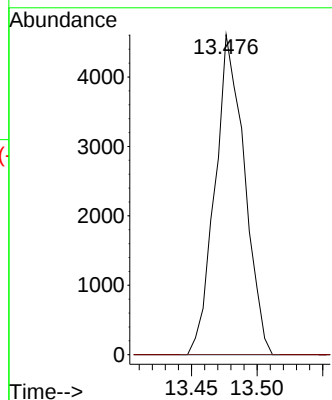
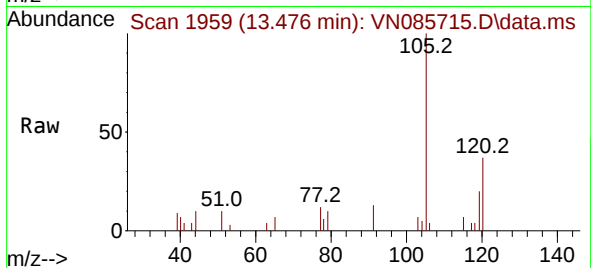




#85
 sec-Butylbenzene
 Concen: 0.799 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.136 min
 Lab File: VN085715.D
 Acq: 07 Feb 2025 22:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:105 Resp: 7199
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 28.9#



#95
 Naphthalene
 Concen: 0.303 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.006 min
 Lab File: VN085715.D
 Acq: 07 Feb 2025 22:42

Tgt Ion:128 Resp: 1891
 Ion Ratio Lower Upper
 128 100
 127 4.8 10.6 16.0#
 129 0.0 8.8 13.2#

