

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011625\
 Data File : VN085466.D
 Acq On : 16 Jan 2025 13:06
 Operator : JC\MD
 Sample : VN0116MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBL01

Quant Time: Jan 17 01:02:26 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	170010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	282313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114042	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	157851	57.519	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.040%	
35) Dibromofluoromethane	8.159	113	118910	53.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.240%	
50) Toluene-d8	10.565	98	393451	49.471	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.940%	
62) 4-Bromofluorobenzene	12.847	95	119581	43.954	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 87.900%	

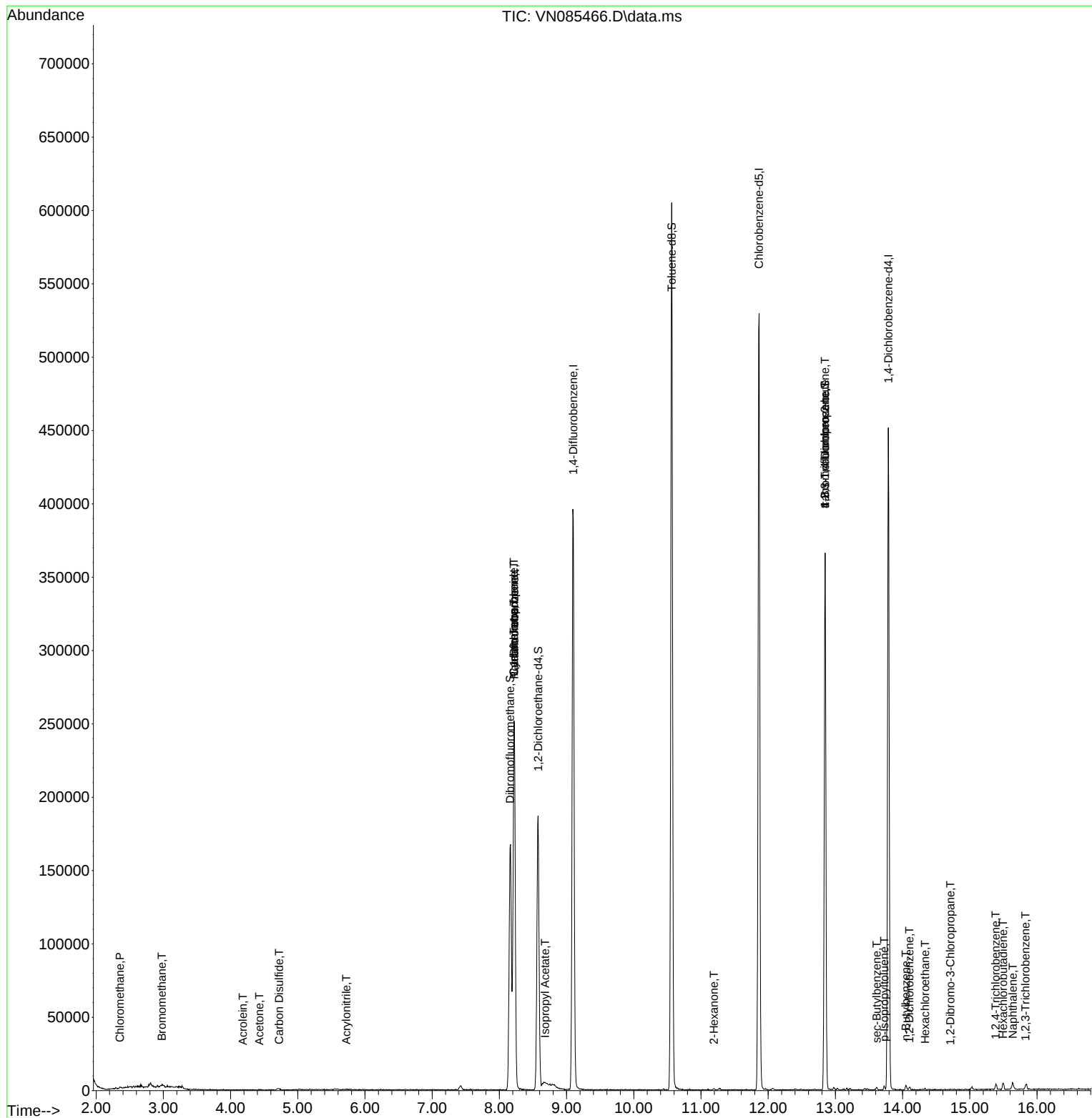
Target Compounds			Qvalue			
3) Chloromethane	2.353	50	782	0.314	ug/l #	41
5) Bromomethane	2.977	94	878	0.580	ug/l #	69
13) Acrolein	4.183	56	90	0.210	ug/l #	14
15) Acrylonitrile	5.724	53	333	0.334	ug/l #	46
16) Acetone	4.430	43	238	0.268	ug/l #	45
17) Carbon Disulfide	4.724	76	2423	0.431	ug/l #	76
31) Cyclohexane	8.218	56	5286	1.518	ug/l #	21
36) 1,1-Dichloropropene	8.218	75	16248	5.172	ug/l #	45
38) Carbon Tetrachloride	8.218	117	19524	5.428	ug/l #	17
43) Isopropyl Acetate	8.682	43	2394	0.471	ug/l #	55
59) 2-Hexanone	11.194	43	927	0.447	ug/l #	55
76) 1,2,3-Trichloropropane	12.847	75	66580	28.724	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66580	77.714	ug/l #	3
85) sec-Butylbenzene	13.617	105	1557	0.210	ug/l #	68
86) p-Isopropyltoluene	13.729	119	1224	0.233	ug/l #	70
89) n-Butylbenzene	14.047	91	2428	0.457	ug/l	94
90) Hexachloroethane	14.335	117	287	0.204	ug/l #	16
91) 1,2-Dichlorobenzene	14.100	146	1018	0.276	ug/l #	79
92) 1,2-Dibromo-3-Chloropr...	14.711	75	181	0.365	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.388	180	1780	1.037	ug/l	77
94) Hexachlorobutadiene	15.494	225	1177	1.291	ug/l	93
95) Naphthalene	15.641	128	5861	1.144	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.829	180	1854	1.067	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

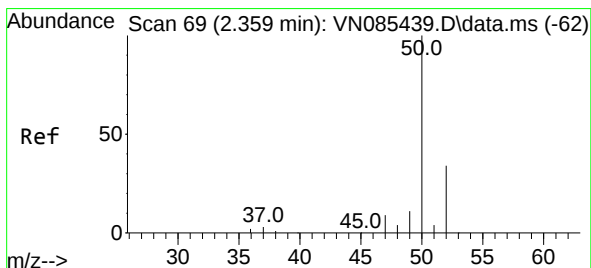
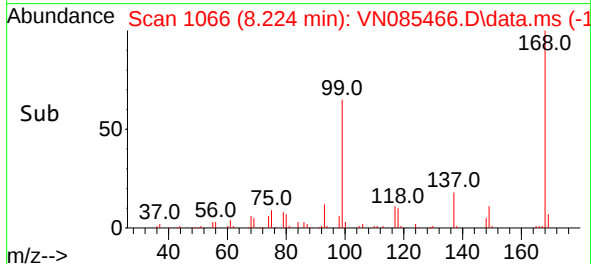
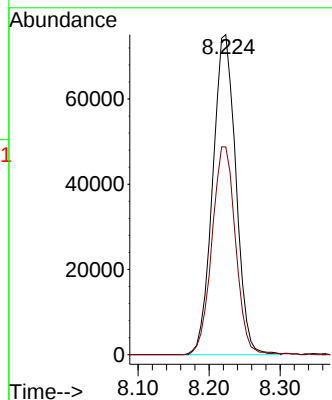
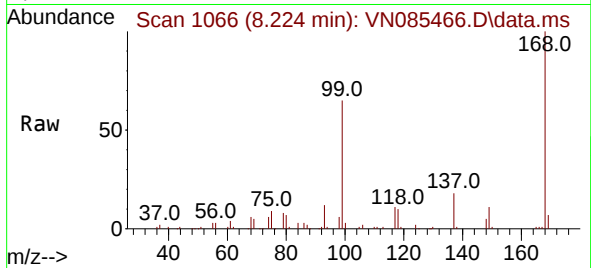




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

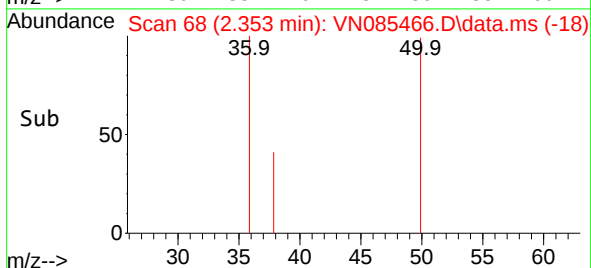
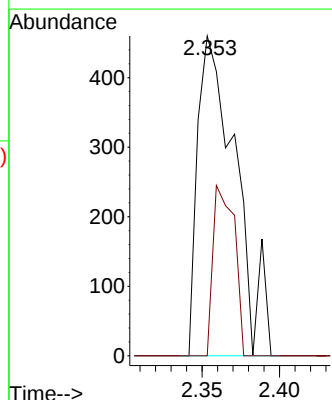
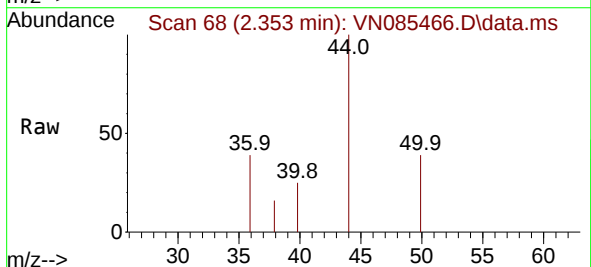
Instrument :
MSVOA_N
ClientSampleId :
VN0116MBL01

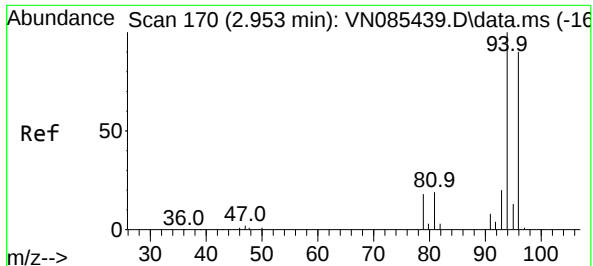
Tgt Ion:168 Resp: 170010
Ion Ratio Lower Upper
168 100
99 64.9 53.6 80.4



#3
Chloromethane
Concen: 0.314 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

Tgt Ion: 50 Resp: 782
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

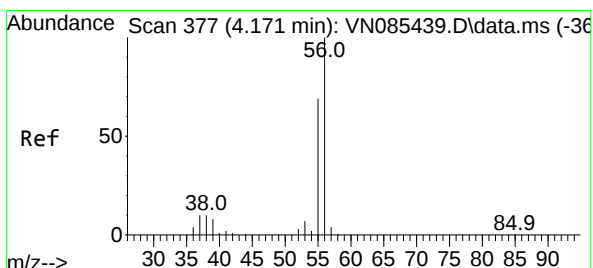
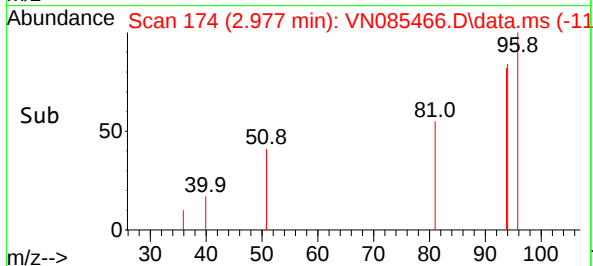
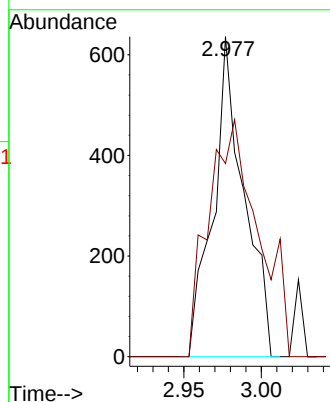
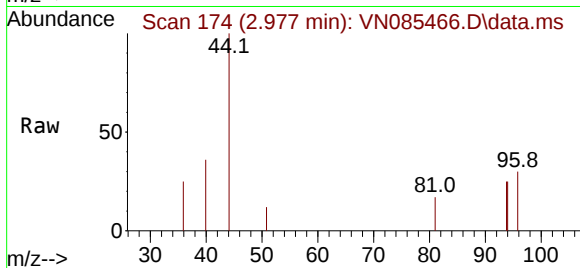




#5
Bromomethane
Concen: 0.580 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

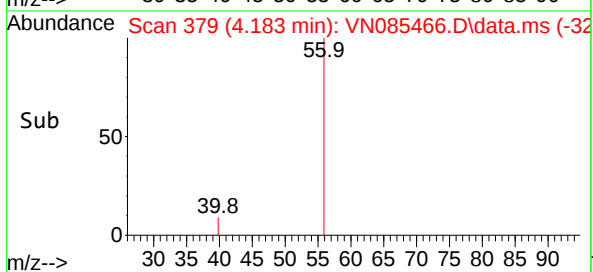
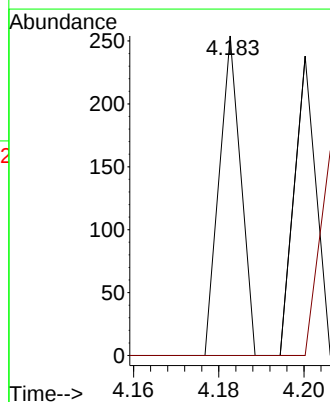
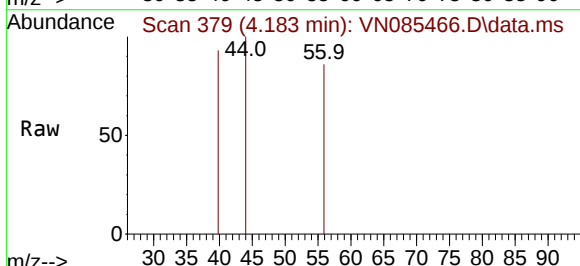
Instrument :
MSVOA_N
ClientSampleId :
VN0116MBL01

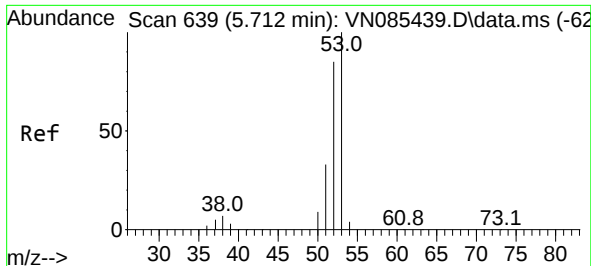
Tgt Ion: 94 Resp: 878
Ion Ratio Lower Upper
94 100
96 60.4 71.8 107.6#



#13
Acrolein
Concen: 0.210 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

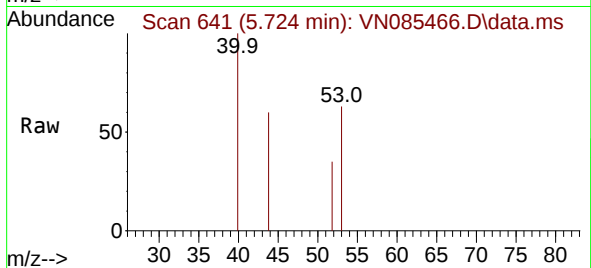
Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#



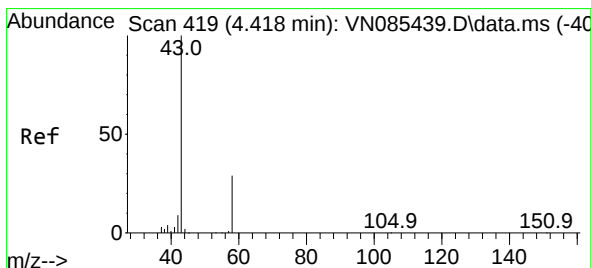
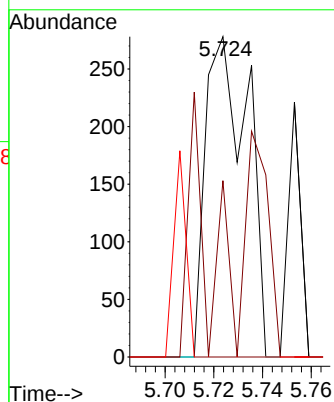
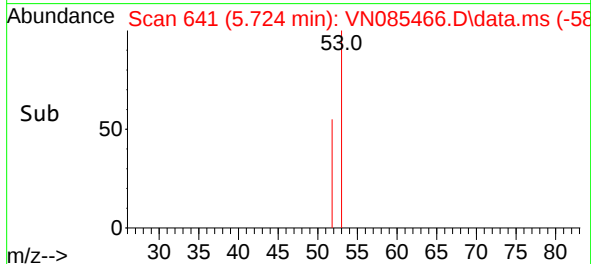


#15
Acrylonitrile
Concen: 0.334 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBL01

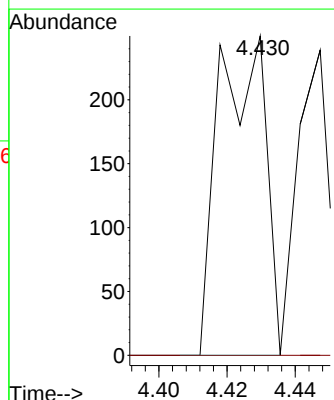
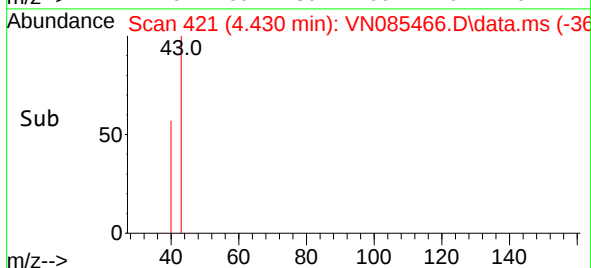
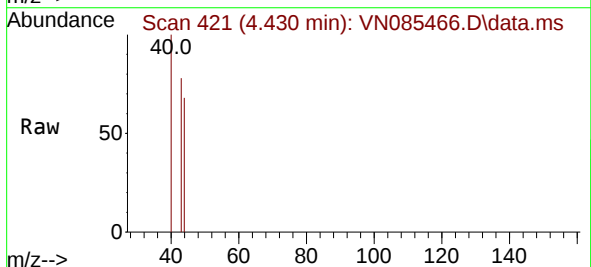


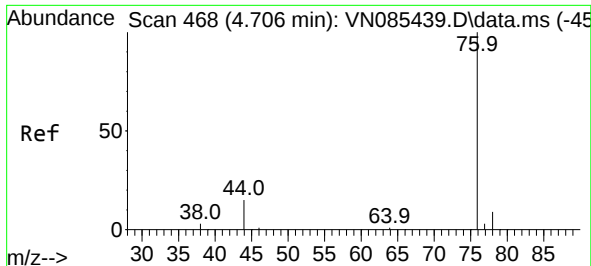
Tgt Ion: 53 Resp: 333
Ion Ratio Lower Upper
53 100
52 37.5 65.5 98.3#
51 0.0 29.8 44.8#



#16
Acetone
Concen: 0.268 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

Tgt Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#

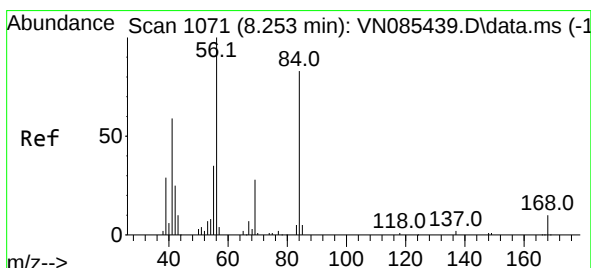
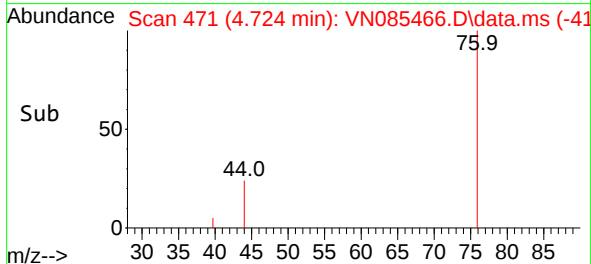
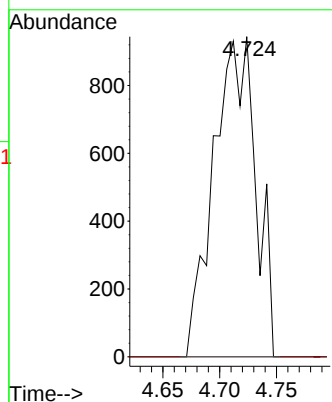
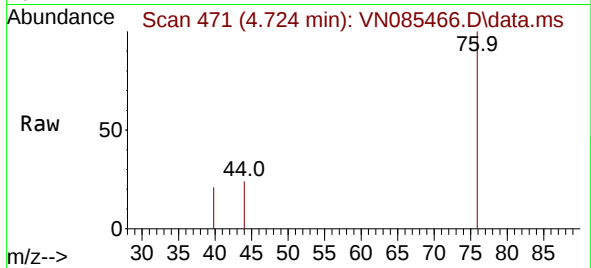




#17
Carbon Disulfide
Concen: 0.431 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

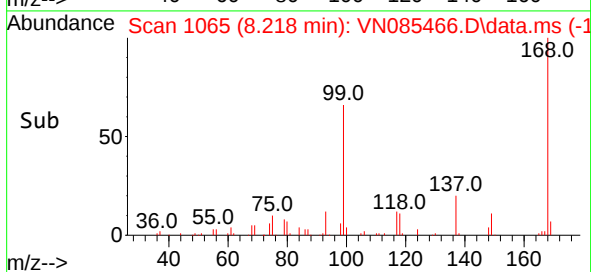
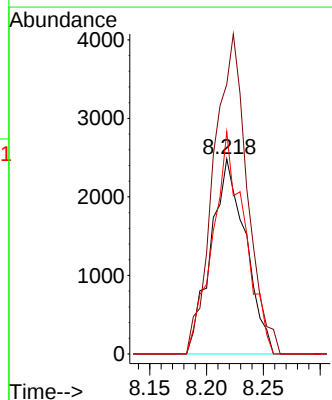
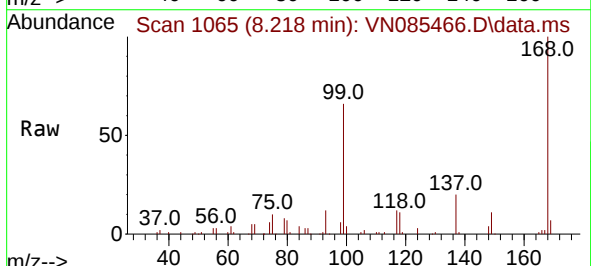
Instrument :
MSVOA_N
ClientSampleId :
VN0116MBL01

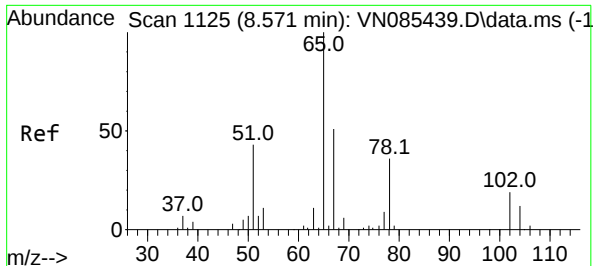
Tgt Ion: 76 Resp: 2423
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#31
Cyclohexane
Concen: 1.518 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

Tgt Ion: 56 Resp: 5286
Ion Ratio Lower Upper
56 100
69 138.3 22.2 33.4#
84 114.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.519 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085466.D

Acq: 16 Jan 2025 13:06

Instrument :

MSVOA_N

ClientSampleId :

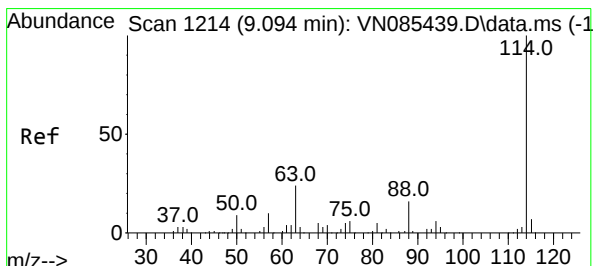
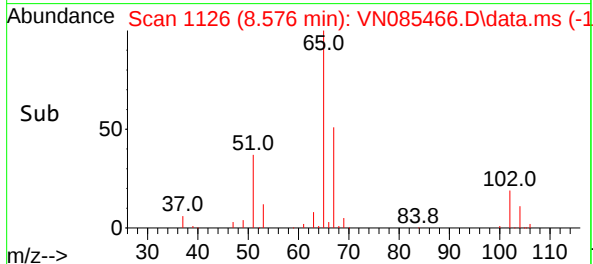
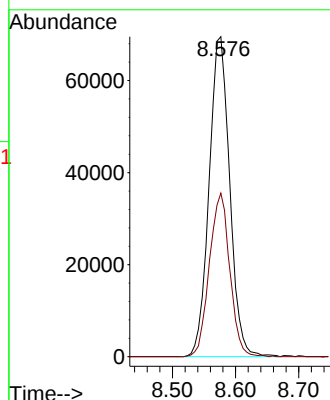
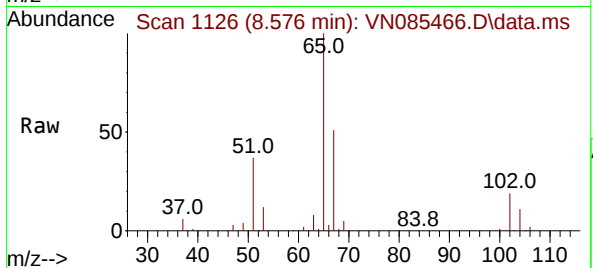
VN0116MBL01

Tgt Ion: 65 Resp: 157851

Ion Ratio Lower Upper

65 100

67 50.6 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: VN085466.D

Acq: 16 Jan 2025 13:06

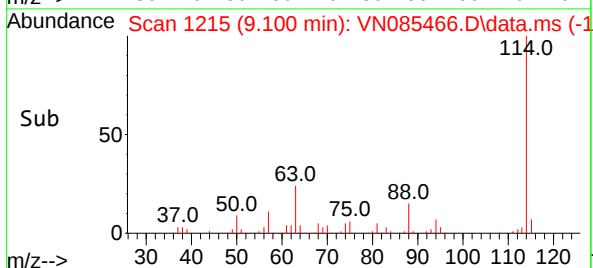
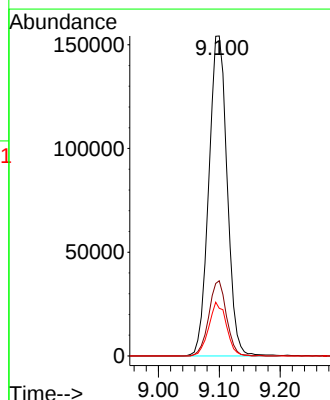
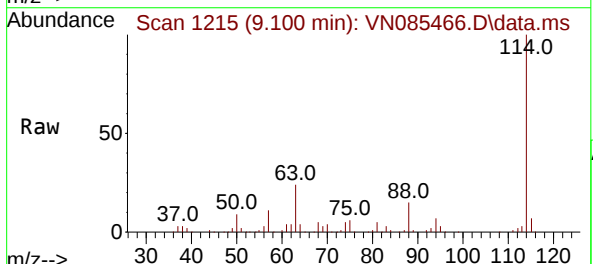
Tgt Ion: 114 Resp: 322659

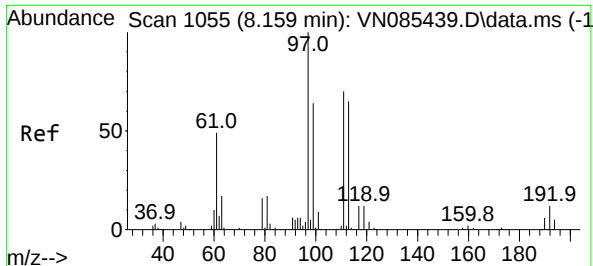
Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.6

88 14.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.121 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085466.D

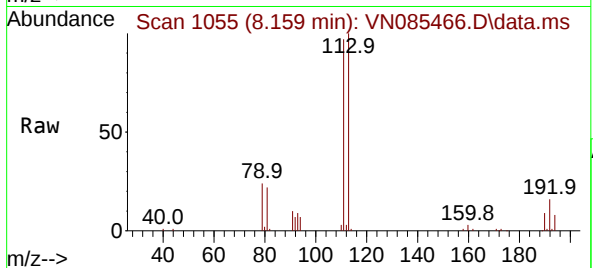
Acq: 16 Jan 2025 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBL01



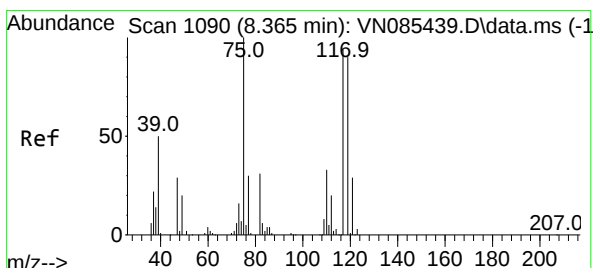
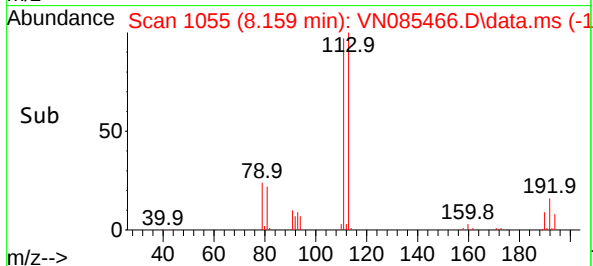
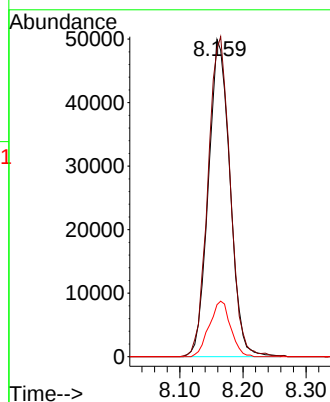
Tgt Ion:113 Resp: 118910

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

192 17.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.172 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085466.D

Acq: 16 Jan 2025 13:06

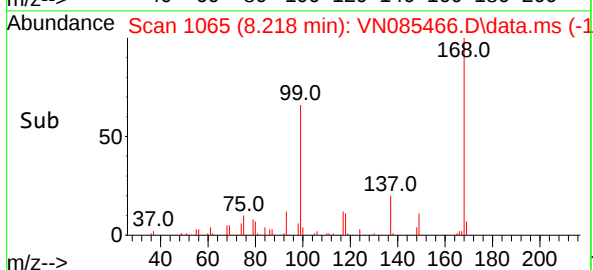
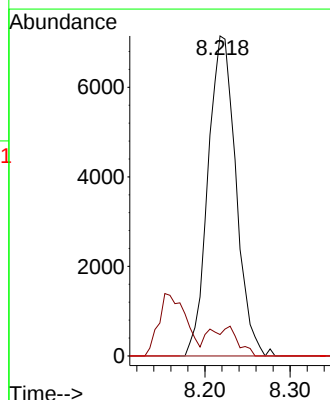
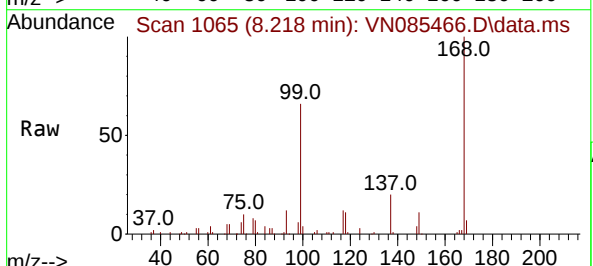
Tgt Ion: 75 Resp: 16248

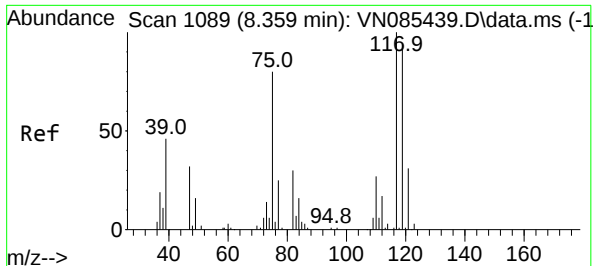
Ion Ratio Lower Upper

75 100

110 2.8 16.5 49.5#

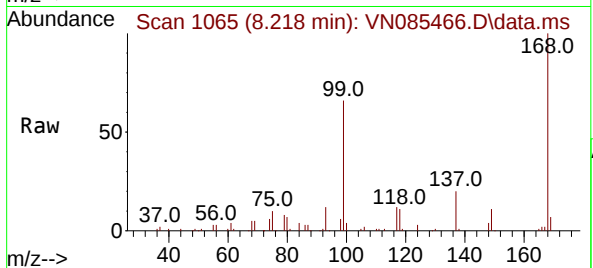
77 0.0 24.4 36.6#



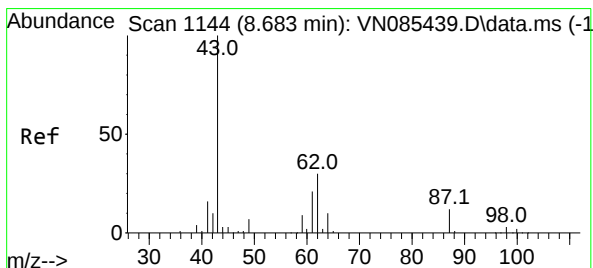
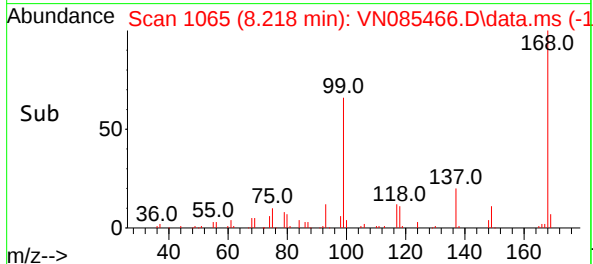
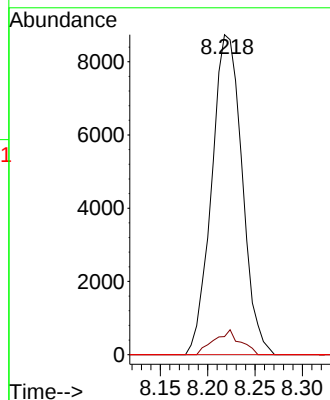


#38
Carbon Tetrachloride
Concen: 5.428 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBL01

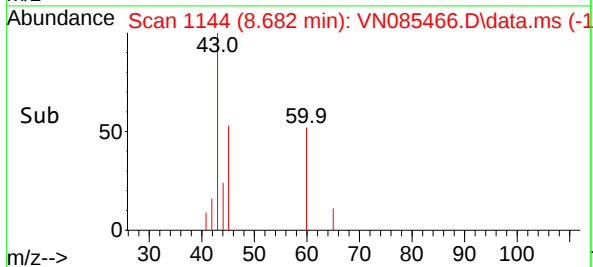
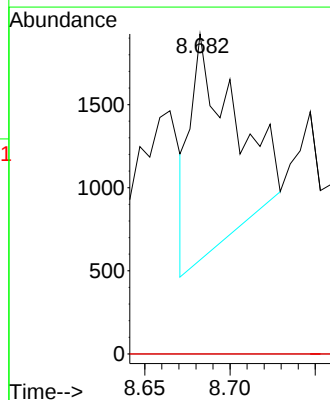
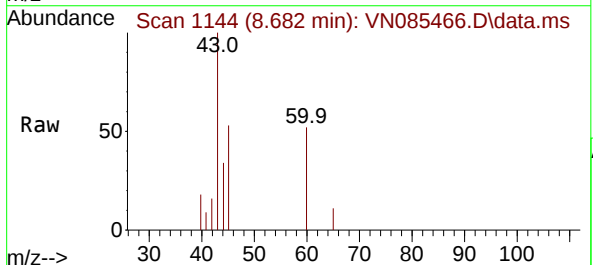


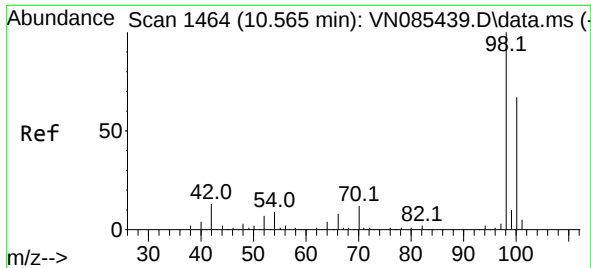
Tgt Ion:117 Resp: 19524
Ion Ratio Lower Upper
117 100
119 5.7 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.471 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

Tgt Ion: 43 Resp: 2394
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#

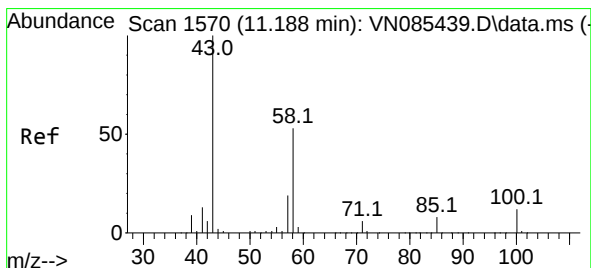
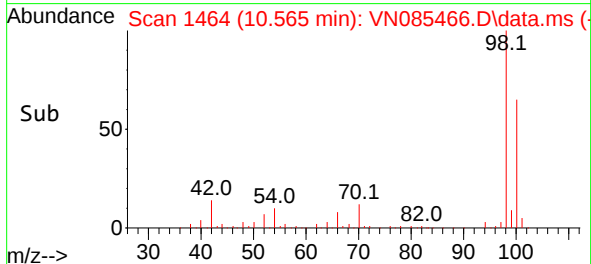
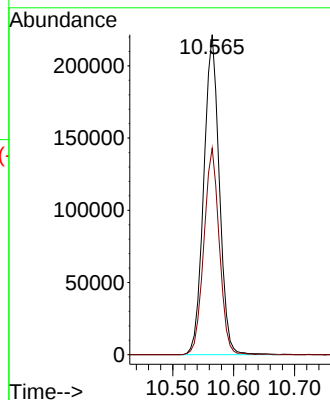
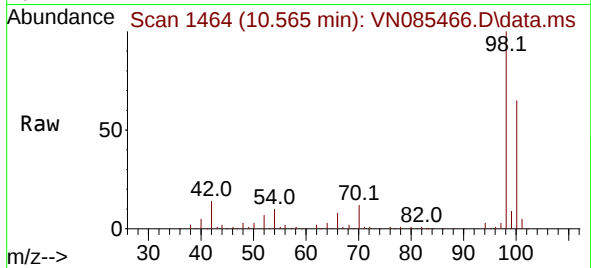




#50
Toluene-d8
Concen: 49.471 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

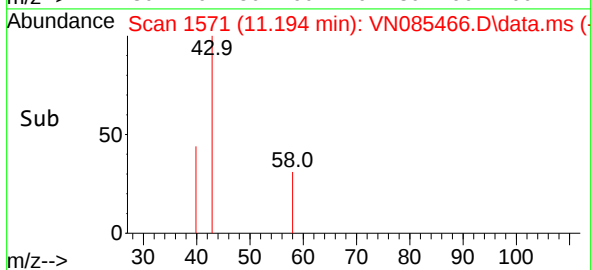
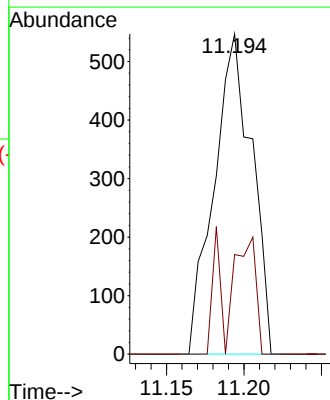
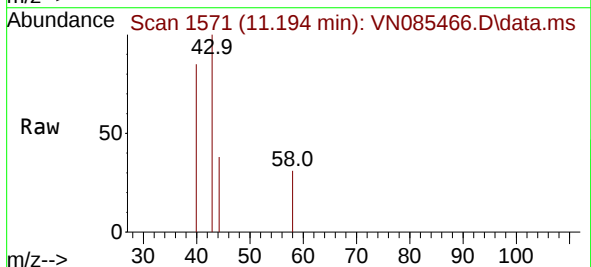
Instrument :
MSVOA_N
ClientSampleId :
VN0116MBL01

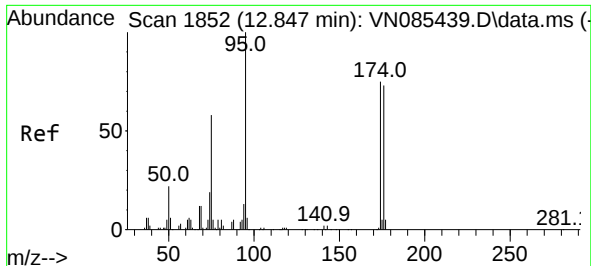
Tgt Ion: 98 Resp: 393451
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4



#59
2-Hexanone
Concen: 0.447 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
58 20.4 26.2 78.6#

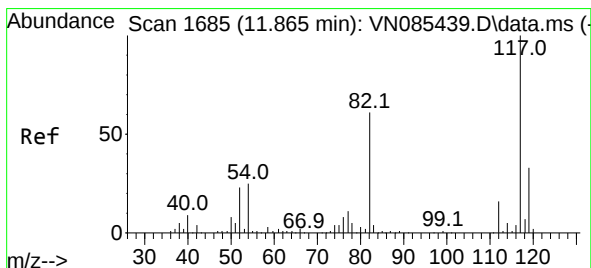
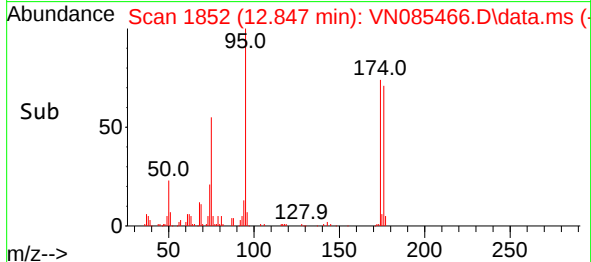
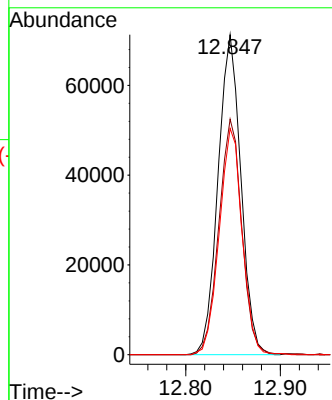
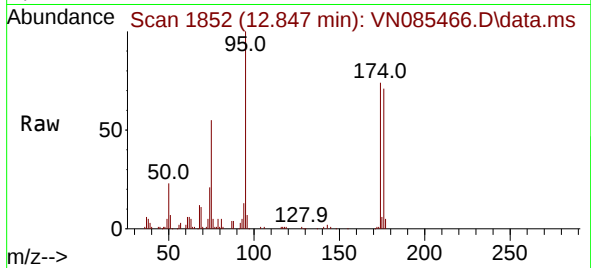




#62
4-Bromofluorobenzene
Concen: 43.954 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

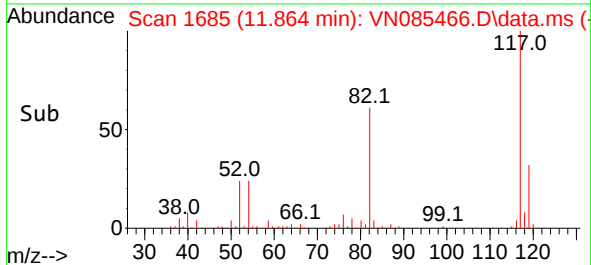
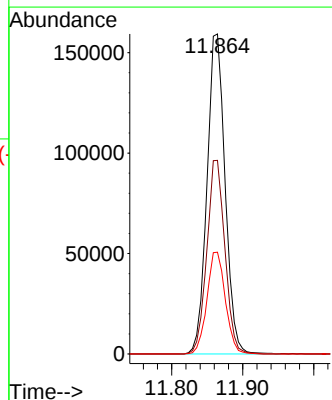
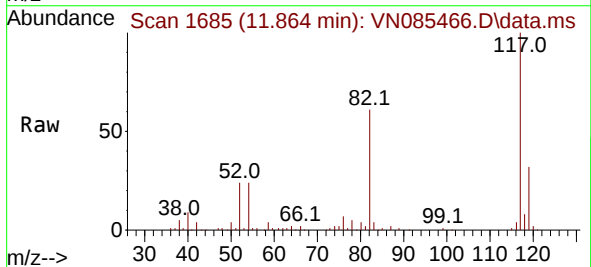
Instrument :
MSVOA_N
ClientSampleId :
VN0116MBL01

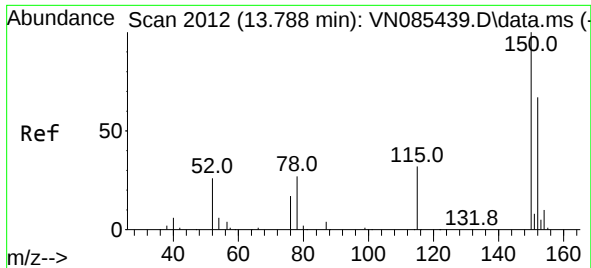
Tgt Ion: 95 Resp: 119581
Ion Ratio Lower Upper
95 100
174 74.2 0.0 145.0
176 70.9 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

Tgt Ion: 117 Resp: 282313
Ion Ratio Lower Upper
117 100
82 60.5 48.6 72.8
119 31.8 26.6 39.8

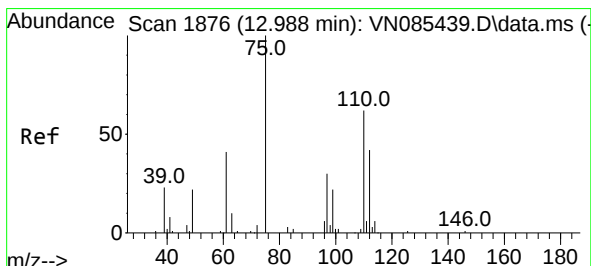
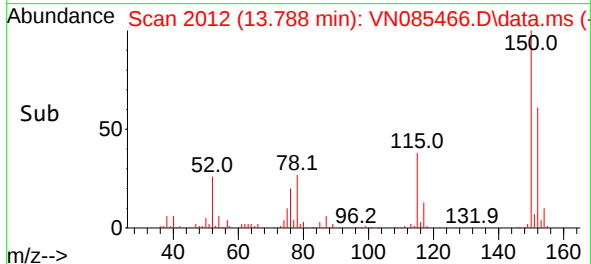
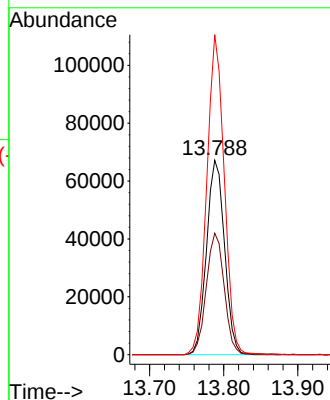
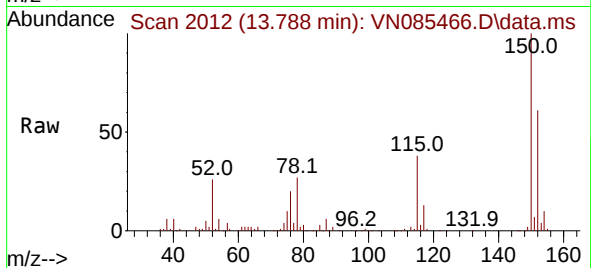




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085466.D
 Acq: 16 Jan 2025 13:06

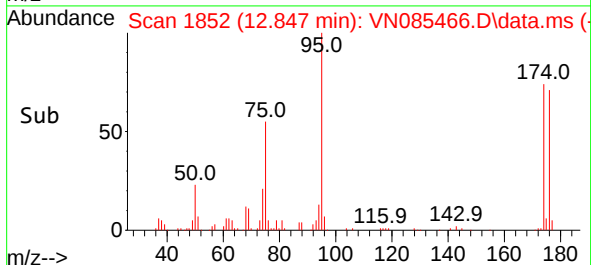
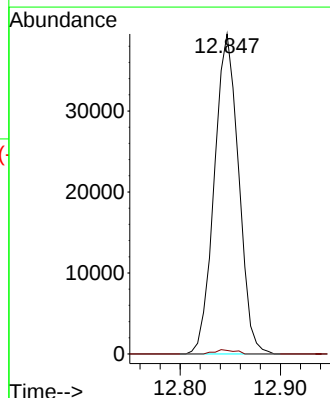
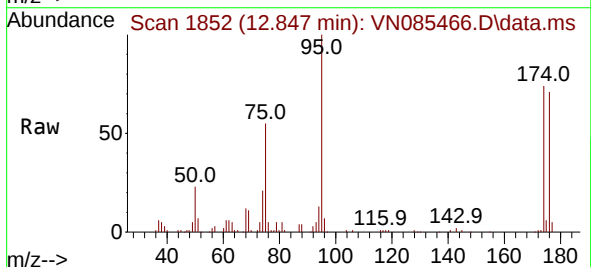
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBL01

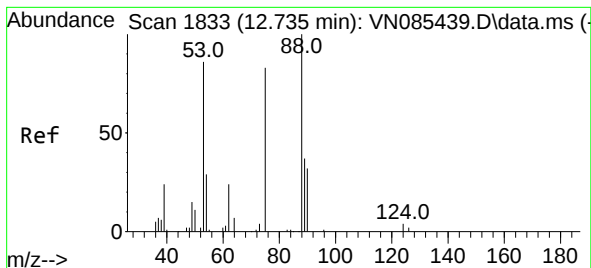
Tgt Ion:152 Resp: 114042
 Ion Ratio Lower Upper
 152 100
 115 61.9 31.1 93.3
 150 158.6 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 28.724 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085466.D
 Acq: 16 Jan 2025 13:06

Tgt Ion: 75 Resp: 66580
 Ion Ratio Lower Upper
 75 100
 77 1.1 109.7 329.2#

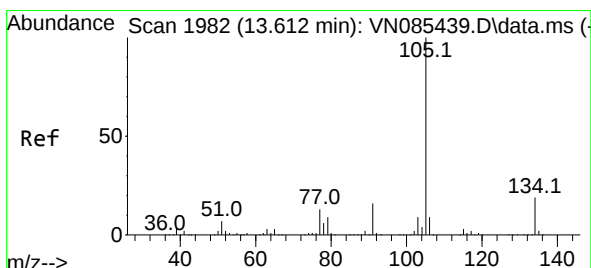
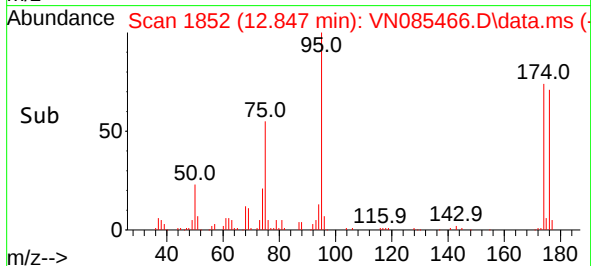
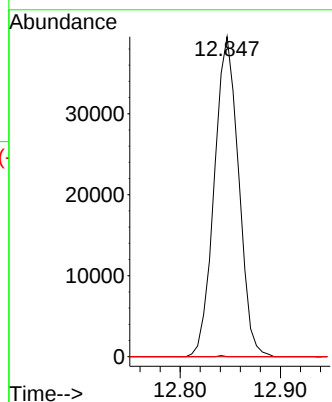
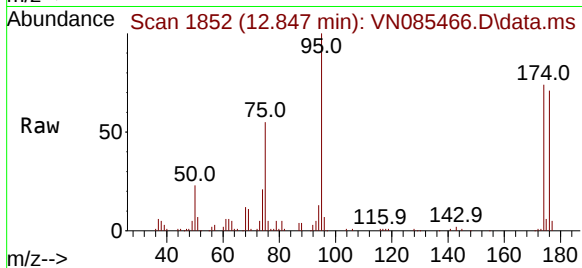




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.714 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN085466.D
 Acq: 16 Jan 2025 13:06

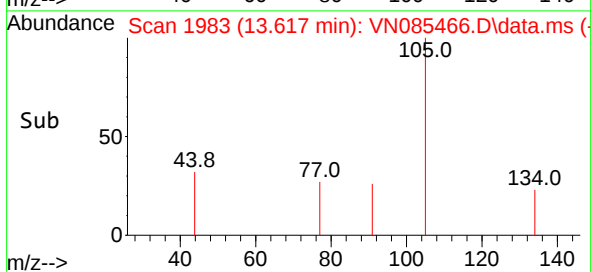
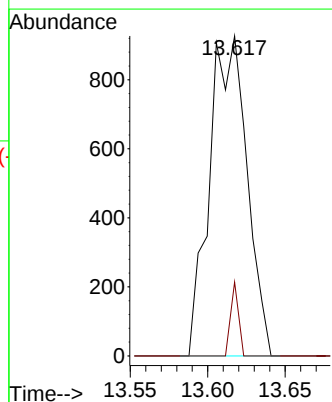
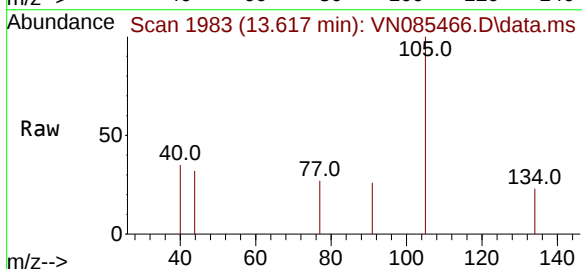
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBL01

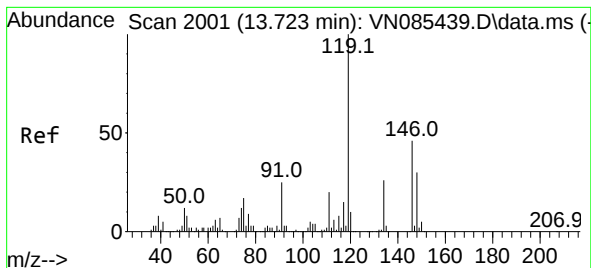
Tgt Ion: 75 Resp: 66580
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 37.0 55.6#



#85
 sec-Butylbenzene
 Concen: 0.210 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.005 min
 Lab File: VN085466.D
 Acq: 16 Jan 2025 13:06

Tgt Ion: 105 Resp: 1557
 Ion Ratio Lower Upper
 105 100
 134 4.9 9.7 28.9#





#86

p-Isopropyltoluene

Concen: 0.233 ug/l

RT: 13.729 min Scan# 2001

Delta R.T. 0.006 min

Lab File: VN085466.D

Acq: 16 Jan 2025 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBL01

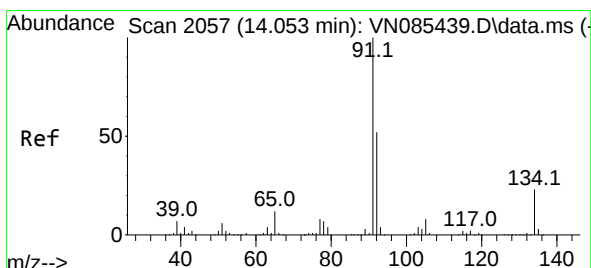
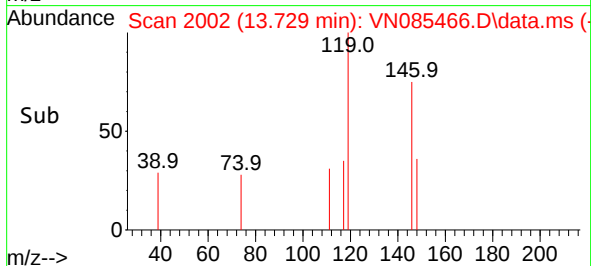
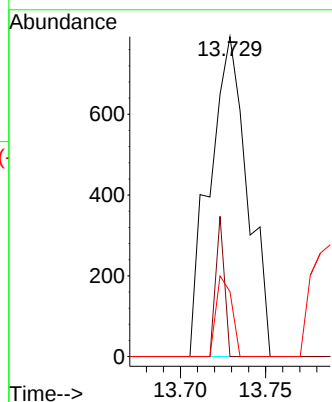
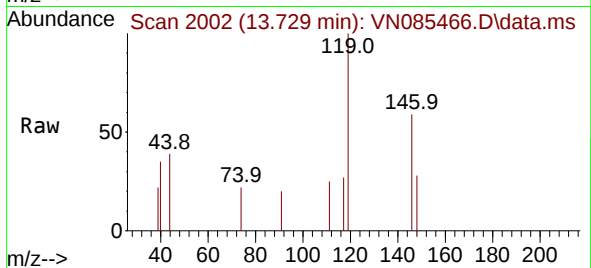
Tgt Ion:119 Resp: 1224

Ion Ratio Lower Upper

119 100

134 10.0 12.7 38.0#

91 10.4 12.7 38.1#



#89

n-Butylbenzene

Concen: 0.457 ug/l

RT: 14.047 min Scan# 2056

Delta R.T. -0.006 min

Lab File: VN085466.D

Acq: 16 Jan 2025 13:06

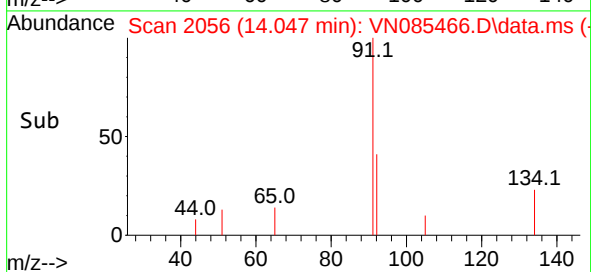
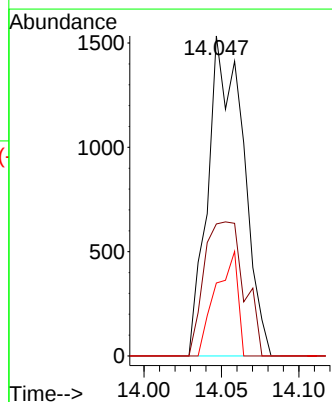
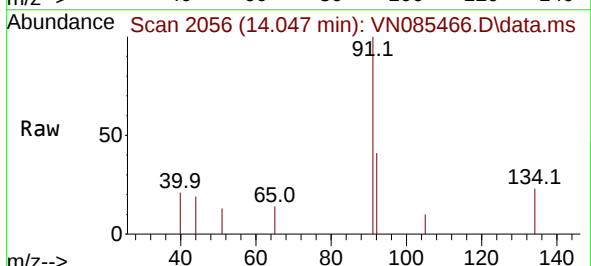
Tgt Ion: 91 Resp: 2428

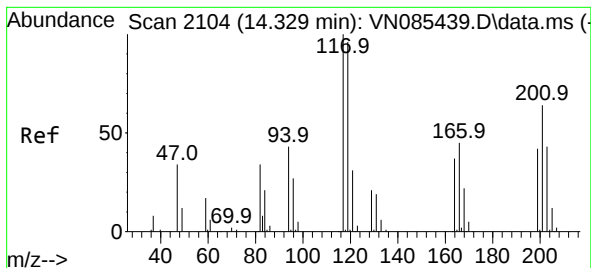
Ion Ratio Lower Upper

91 100

92 47.2 25.8 77.3

134 20.5 11.7 35.1





#90

Hexachloroethane

Concen: 0.204 ug/l

RT: 14.335 min Scan# 2104

Delta R.T. 0.006 min

Lab File: VN085466.D

Acq: 16 Jan 2025 13:06

Instrument :

MSVOA_N

ClientSampleId :

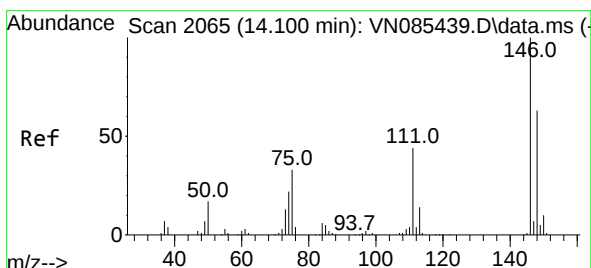
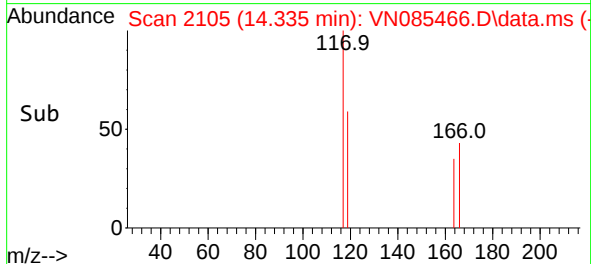
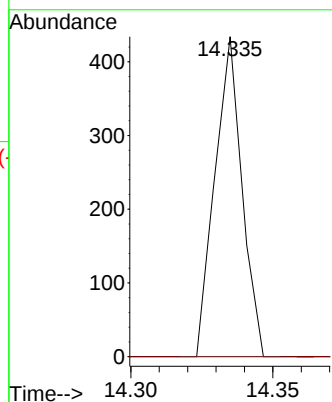
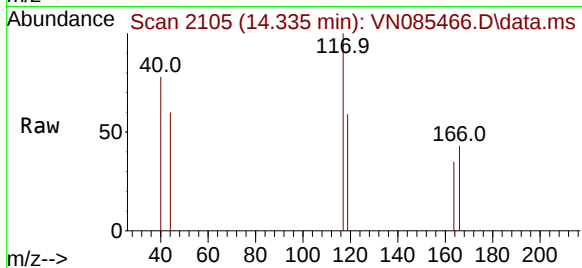
VN0116MBL01

Tgt Ion:117 Resp: 287

Ion Ratio Lower Upper

117 100

201 0.0 33.7 101.0#



#91

1,2-Dichlorobenzene

Concen: 0.276 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VN085466.D

Acq: 16 Jan 2025 13:06

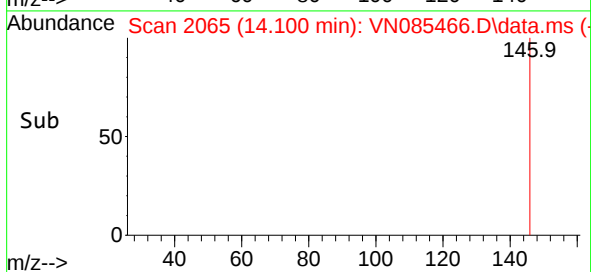
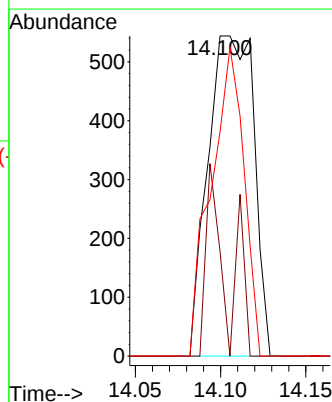
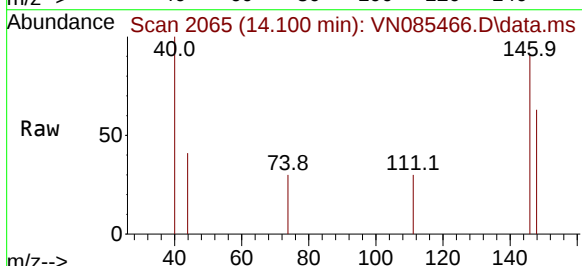
Tgt Ion:146 Resp: 1018

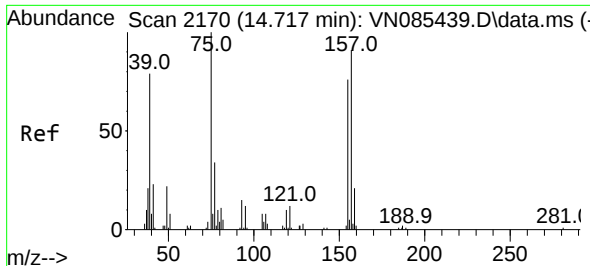
Ion Ratio Lower Upper

146 100

111 17.5 21.7 65.1#

148 69.4 31.4 94.2

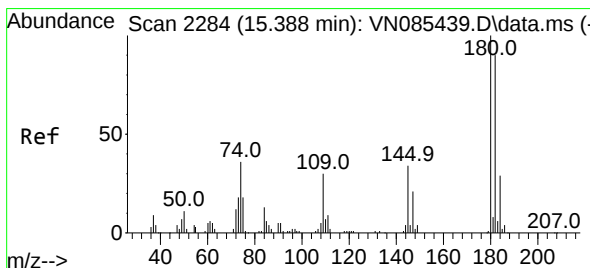
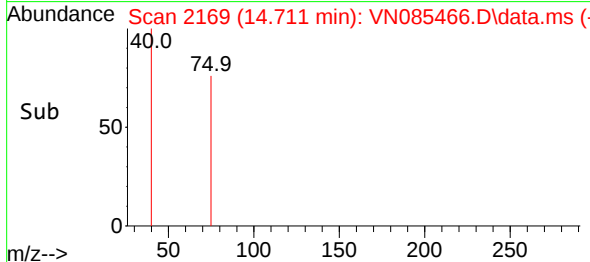
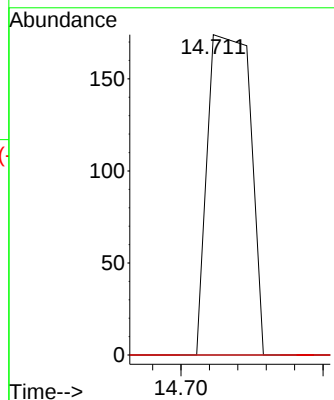
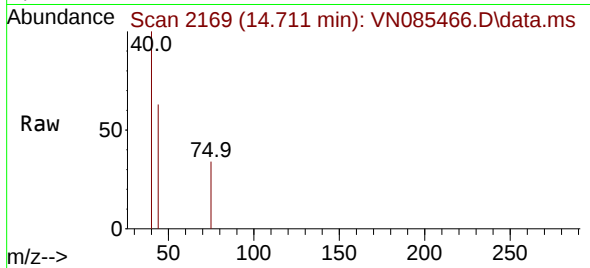




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.365 ug/l
 RT: 14.711 min Scan# 2170
 Delta R.T. -0.006 min
 Lab File: VN085466.D
 Acq: 16 Jan 2025 13:06

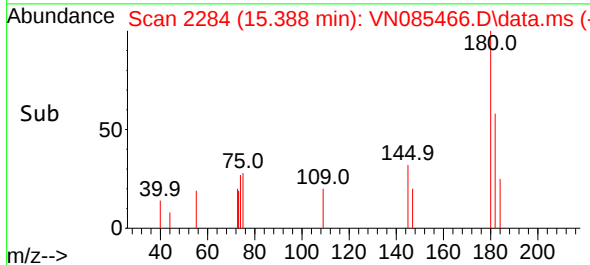
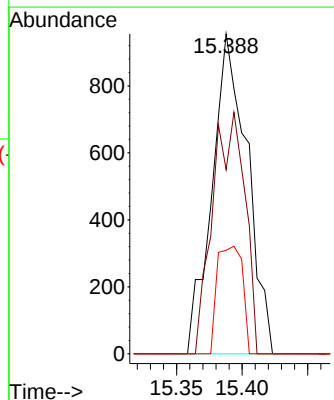
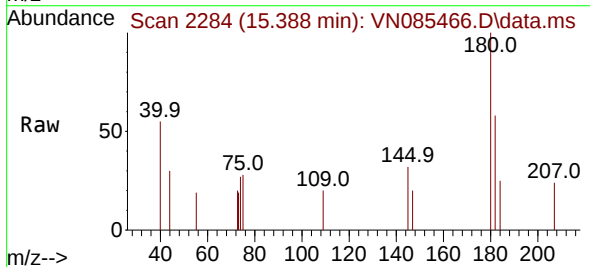
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBL01

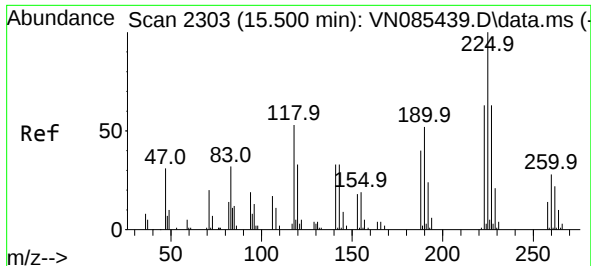
Tgt Ion: 75 Resp: 181
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.4 109.2#
 157 0.0 45.4 136.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.037 ug/l
 RT: 15.388 min Scan# 2284
 Delta R.T. -0.000 min
 Lab File: VN085466.D
 Acq: 16 Jan 2025 13:06

Tgt Ion: 180 Resp: 1780
 Ion Ratio Lower Upper
 180 100
 182 69.0 46.8 140.3
 145 24.1 16.0 48.0

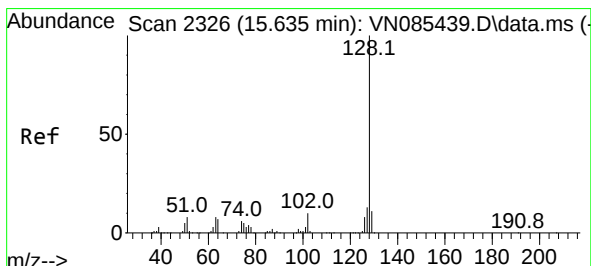
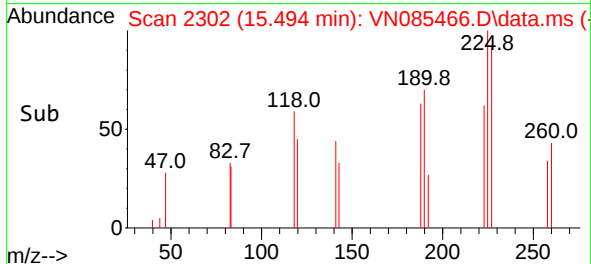
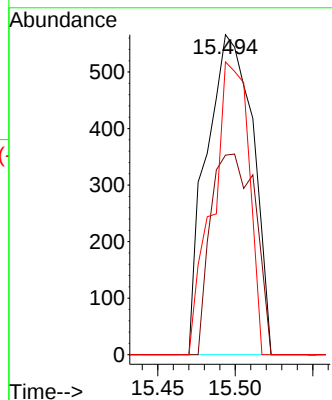
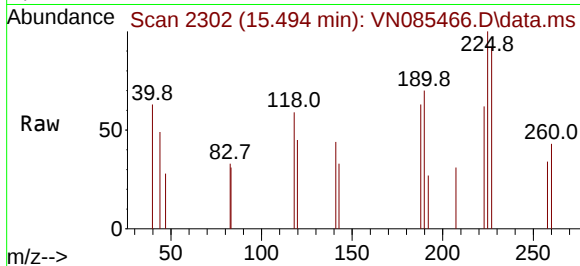




#94
Hexachlorobutadiene
Concen: 1.291 ug/l
RT: 15.494 min Scan# 211
Delta R.T. -0.006 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

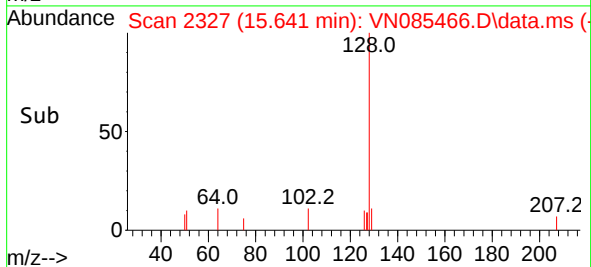
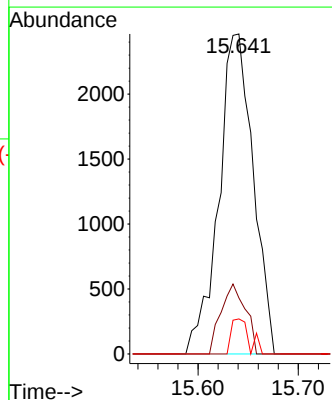
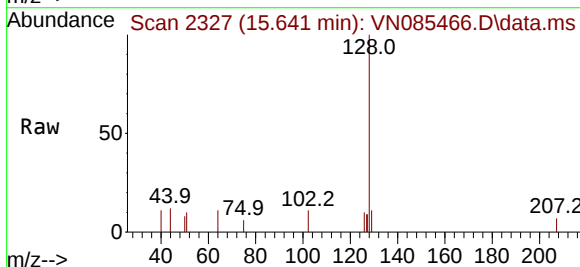
Instrument :
MSVOA_N
ClientSampleId :
VN0116MBL01

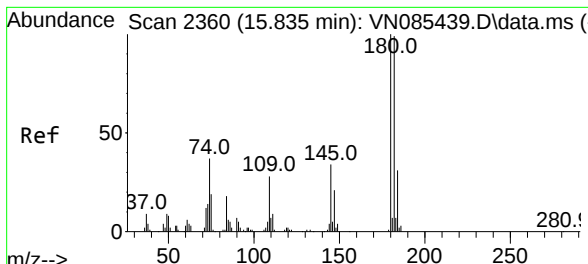
Tgt Ion:225 Resp: 1177
Ion Ratio Lower Upper
225 100
223 60.2 30.7 92.1
227 71.9 30.9 92.5



#95
Naphthalene
Concen: 1.144 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085466.D
Acq: 16 Jan 2025 13:06

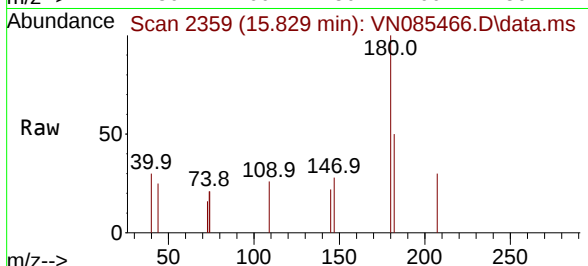
Tgt Ion:128 Resp: 5861
Ion Ratio Lower Upper
128 100
127 15.7 10.6 16.0
129 5.6 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.067 ug/l
 RT: 15.829 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN085466.D
 Acq: 16 Jan 2025 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBL01



Tgt Ion:	180	Resp:	1854
Ion	Ratio	Lower	Upper
180	100		
182	89.6	47.4	142.2
145	33.5	16.9	50.7

