

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
 Data File : VN083962.D
 Acq On : 18 Sep 2024 05:09
 Operator : JC\MD
 Sample : P3985-01
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Sep 18 05:45:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	139038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	235685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	196302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	83270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107988	51.509	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.020%	
35) Dibromofluoromethane	8.159	113	75516	50.050	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.100%	
50) Toluene-d8	10.565	98	281137	53.898	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.800%	
62) 4-Bromofluorobenzene	12.847	95	92714	43.082	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 86.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.348	50	339	Below Cal	#	41
5) Bromomethane	2.895	94	478	0.470	ug/l #	2
11) Tert butyl alcohol	5.483	59	5287	18.832	ug/l #	71
17) Carbon Disulfide	4.683	76	1190	0.283	ug/l #	75
18) Methyl Acetate	5.012	43	241	Below Cal	#	52
20) Methylene Chloride	5.259	84	594	0.345	ug/l #	37
25) 2-Butanone	7.477	43	221	0.200	ug/l #	49
29) Tetrahydrofuran	7.835	42	137	0.210	ug/l #	32
31) Cyclohexane	8.212	56	3872	1.278	ug/l #	48
36) 1,1-Dichloropropene	8.218	75	13277	5.846	ug/l #	51
38) Carbon Tetrachloride	8.224	117	16404	6.367	ug/l #	16
40) Benzene	8.600	78	6355	0.930	ug/l #	88
43) Isopropyl Acetate	8.677	43	803	0.215	ug/l #	57
67) Ethyl Benzene	11.965	91	4975	0.642	ug/l #	60
68) m/p-Xylenes	12.070	106	2398	0.833	ug/l	90
69) o-Xylene	12.388	106	1511	0.542	ug/l	88
71) Bromoform	12.841	173	511	0.501	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	53450	31.811	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	1121	0.206	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.847	75	53450	83.316	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.488	105	1151	0.211	ug/l	78
89) n-Butylbenzene	14.053	91	1269	0.268	ug/l #	84
91) 1,2-Dichlorobenzene	14.106	146	674	0.239	ug/l #	52
93) 1,2,4-Trichlorobenzene	15.388	180	826	0.545	ug/l #	51
94) Hexachlorobutadiene	15.494	225	415	0.645	ug/l	87
95) Naphthalene	15.647	128	3523	0.764	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.841	180	895	0.618	ug/l #	78

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

Quant Time: Sep 18 05:45:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

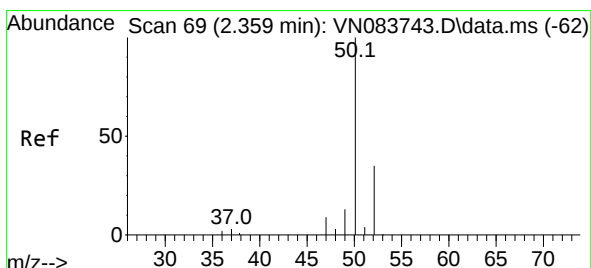
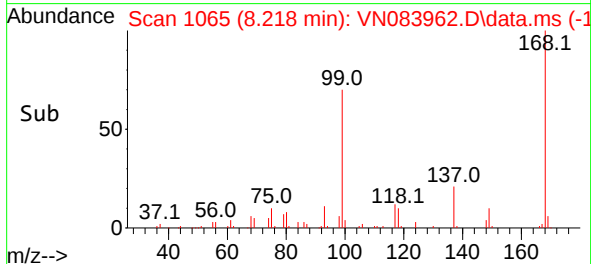
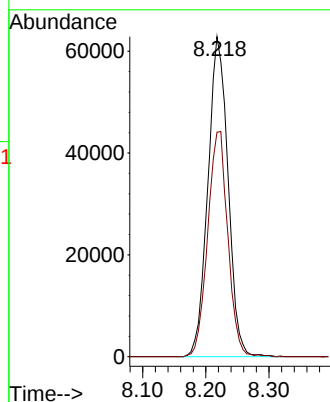
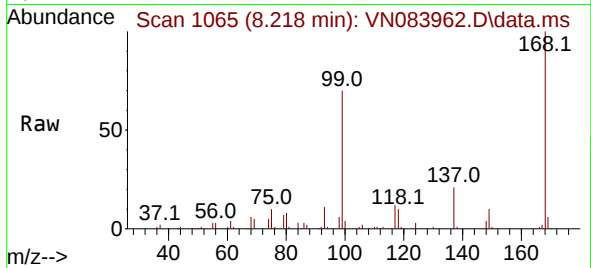




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

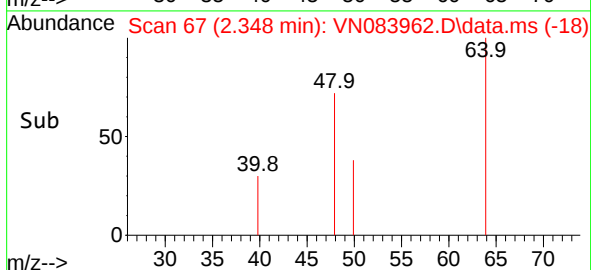
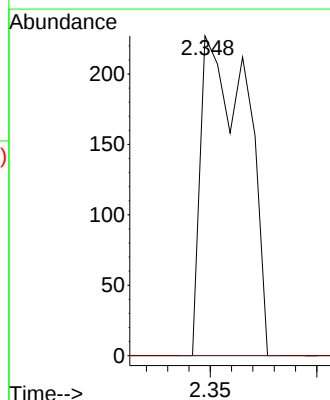
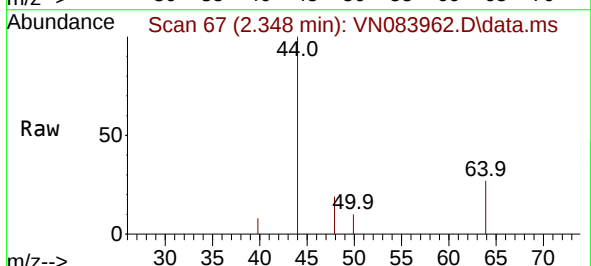
Instrument :
MSVOA_N
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TP-3

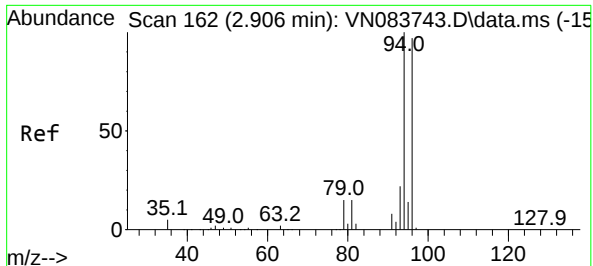
Tgt Ion:168 Resp: 139038
Ion Ratio Lower Upper
168 100
99 70.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.348 min Scan# 67
Delta R.T. -0.011 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 50 Resp: 339
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

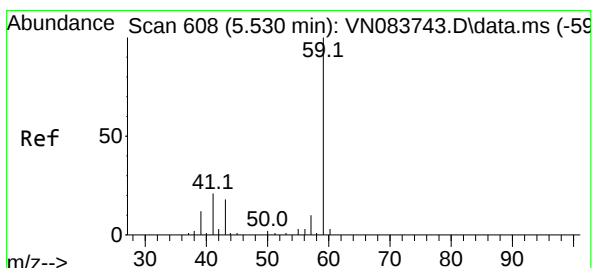
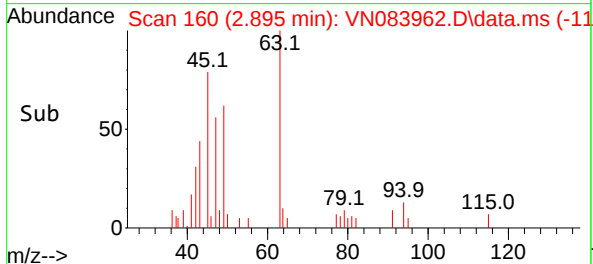
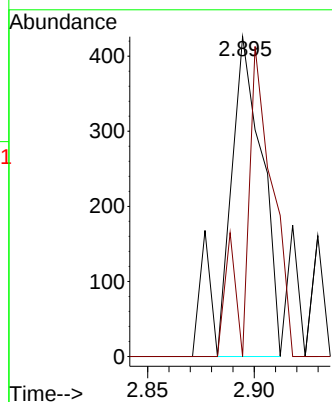
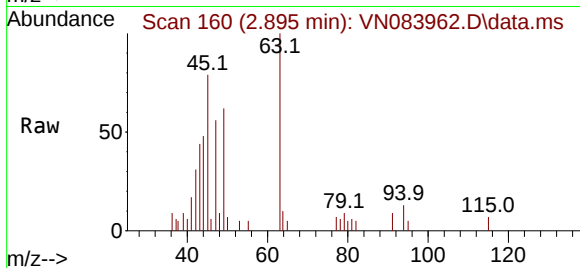




#5
Bromomethane
Concen: 0.470 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

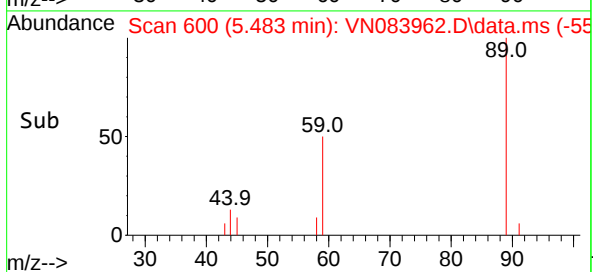
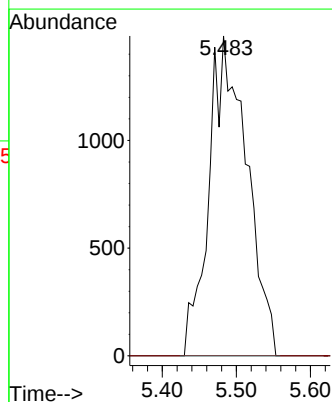
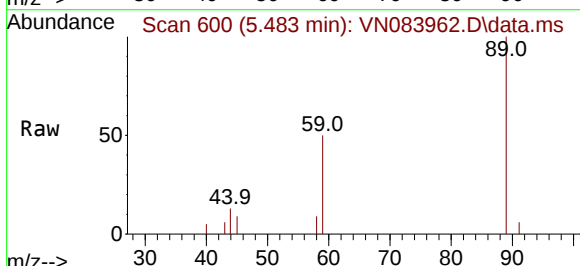
Instrument :
MSVOA_N
ClientSampleId :
TP-3

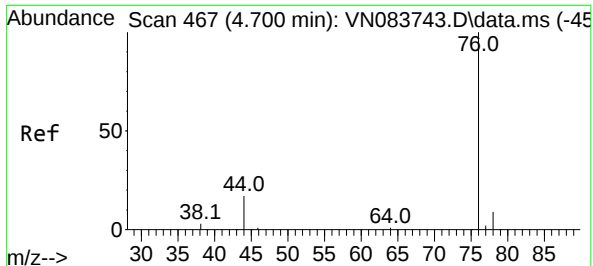
Tgt Ion: 94 Resp: 478
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 18.832 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.047 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 59 Resp: 5287
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#17

Carbon Disulfide

Concen: 0.283 ug/l

RT: 4.683 min Scan# 4

Delta R.T. -0.018 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

ClientSampleId :

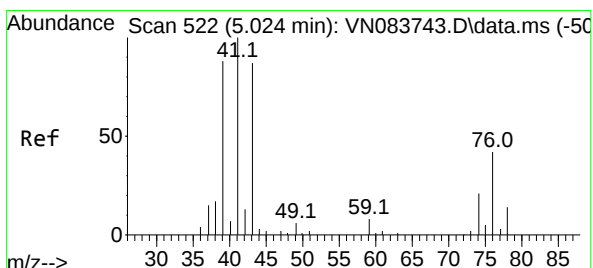
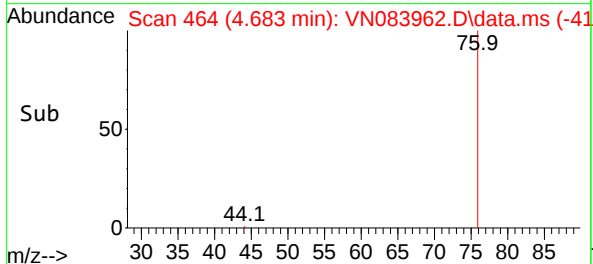
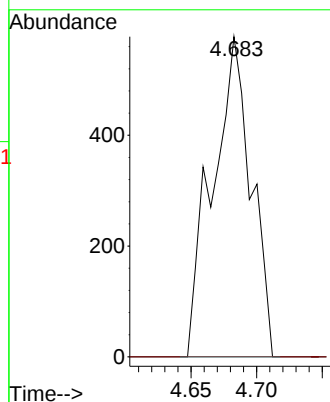
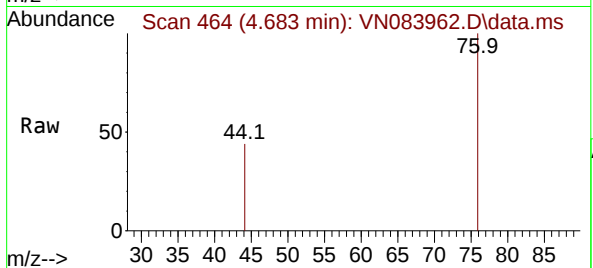
TP-3

Tgt Ion: 76 Resp: 1190

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.012 min Scan# 520

Delta R.T. -0.012 min

Lab File: VN083962.D

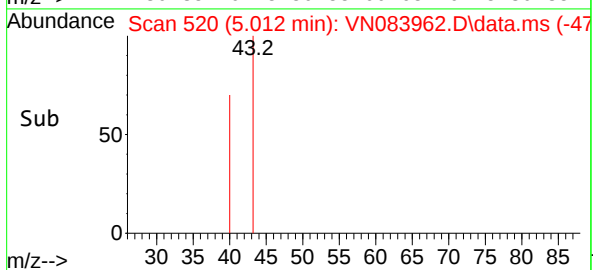
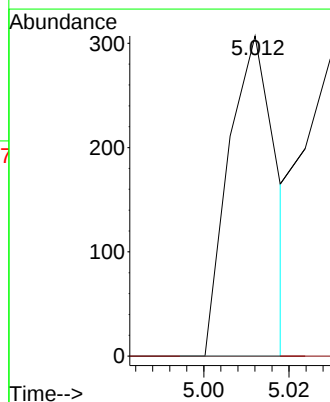
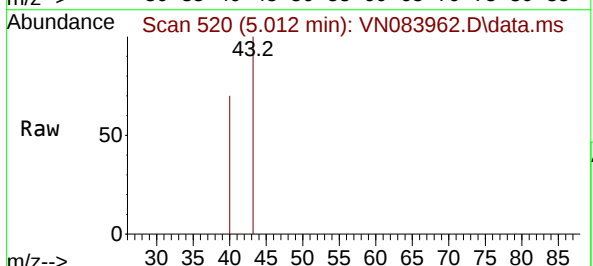
Acq: 18 Sep 2024 05:09

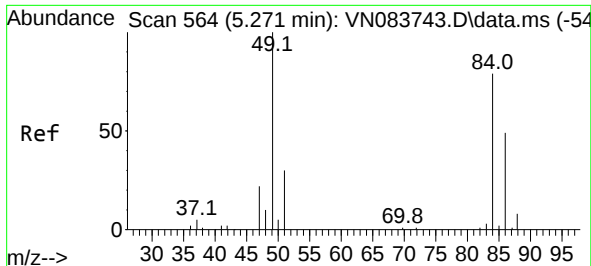
Tgt Ion: 43 Resp: 241

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#

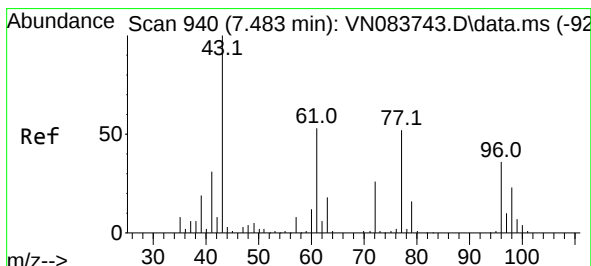
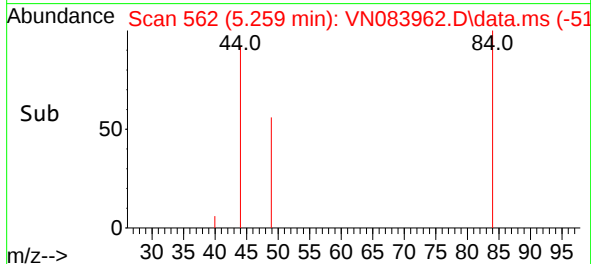
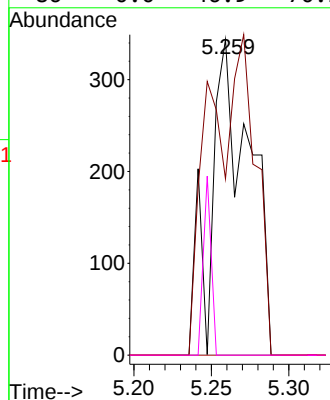
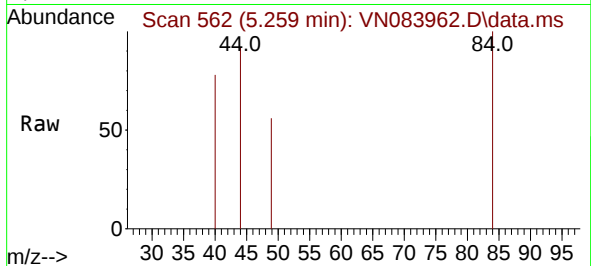




#20
Methylene Chloride
Concen: 0.345 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

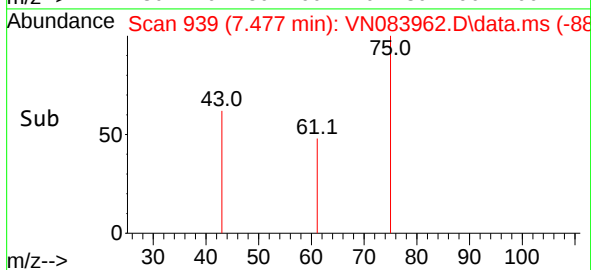
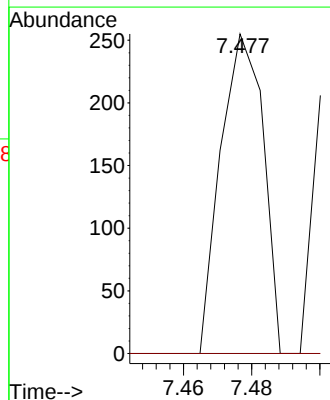
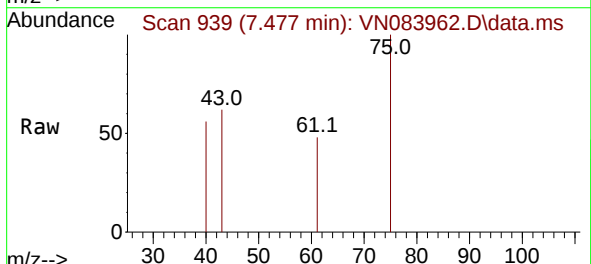
Instrument :
MSVOA_N
ClientSampleId :
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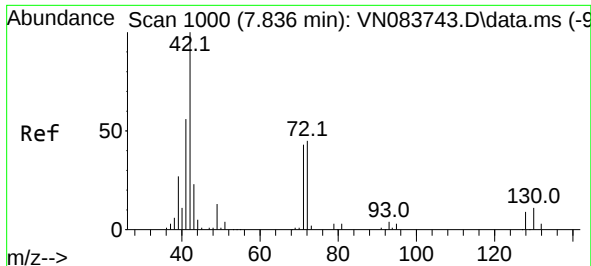
Tgt Ion:	84	Resp:	594
Ion	Ratio	Lower	Upper
84	100		
49	55.8	93.4	140.0#
51	0.0	29.2	43.8#
86	0.0	46.9	70.3#



#25
2-Butanone
Concen: 0.200 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion:	43	Resp:	221
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.8	31.2#





#29

Tetrahydrofuran

Concen: 0.210 ug/l

RT: 7.835 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

ClientSampleId :

TP-3

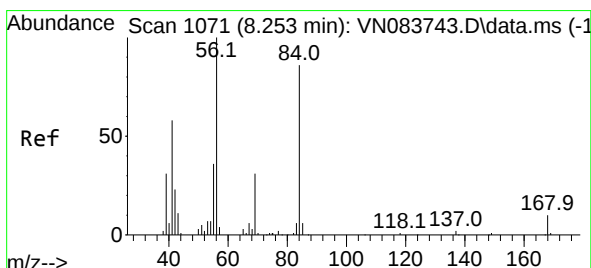
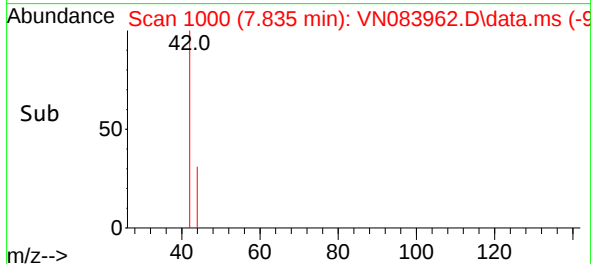
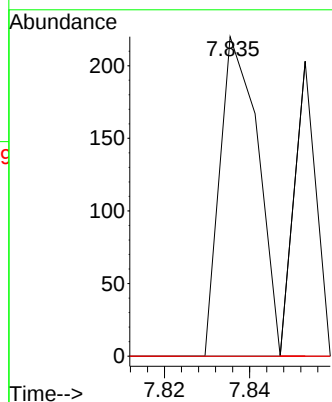
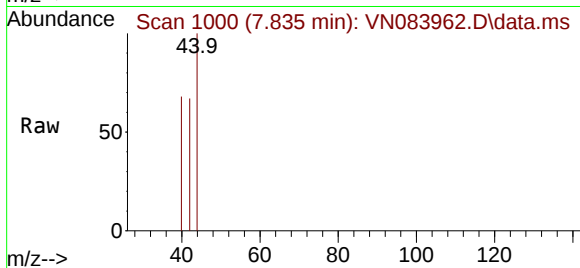
Tgt Ion: 42 Resp: 137

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 1.278 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

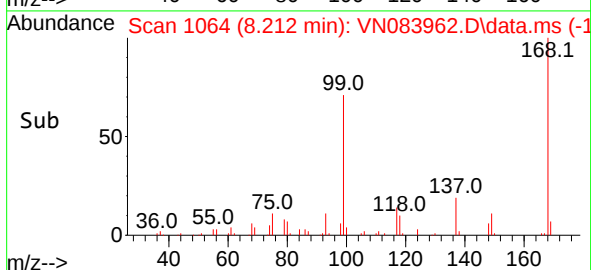
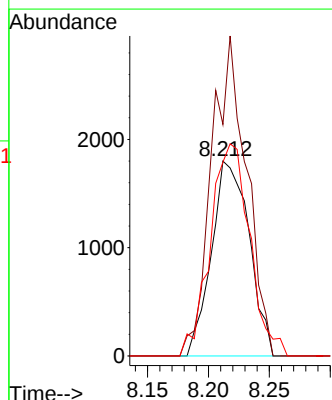
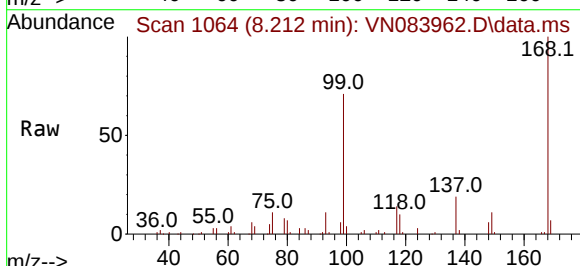
Tgt Ion: 56 Resp: 3872

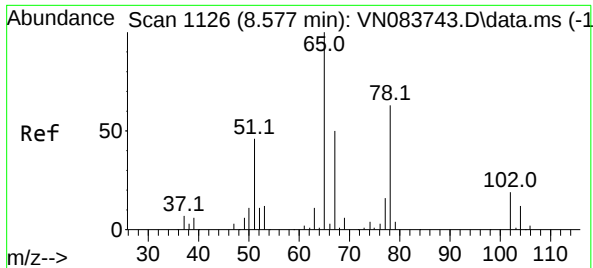
Ion Ratio Lower Upper

56 100

69 118.8 26.9 40.3#

84 99.4 69.2 103.8

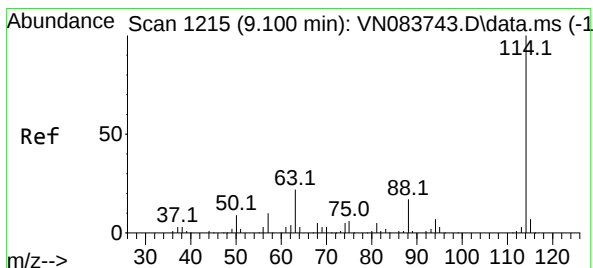
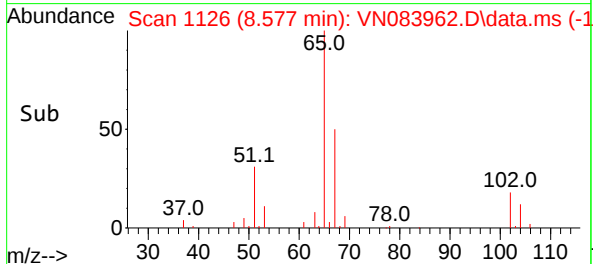
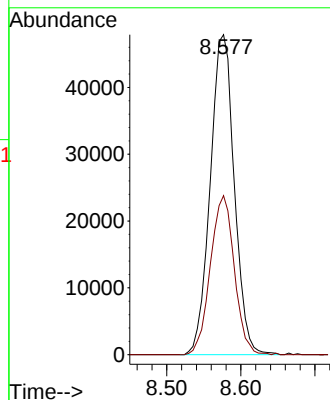
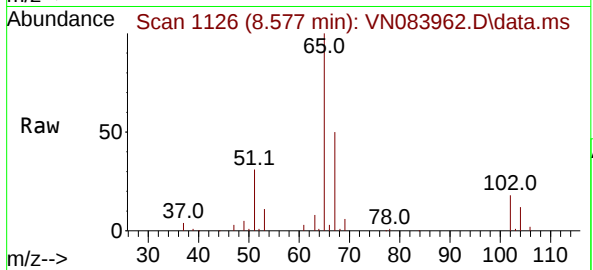




#33
 1,2-Dichloroethane-d4
 Concen: 51.509 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN083962.D
 Acq: 18 Sep 2024 05:09

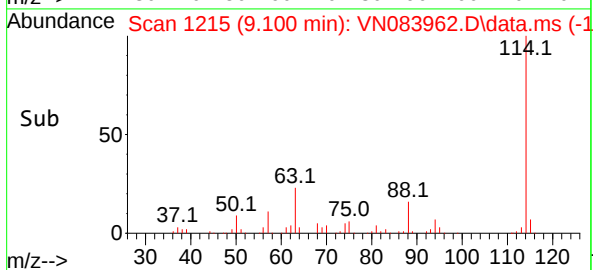
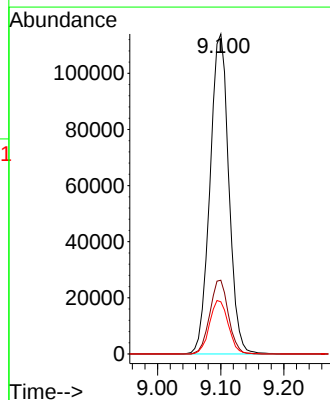
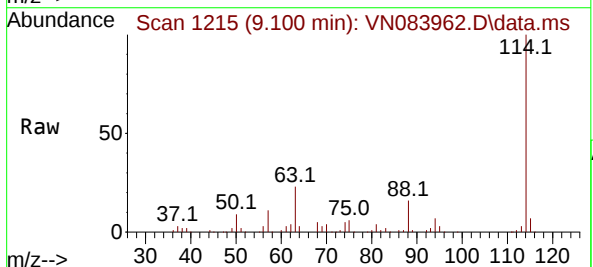
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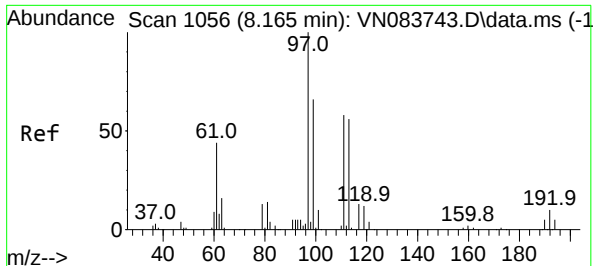
Tgt Ion: 65 Resp: 107988
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN083962.D
 Acq: 18 Sep 2024 05:09

Tgt Ion: 114 Resp: 235685
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.4
 88 16.3 0.0 32.6

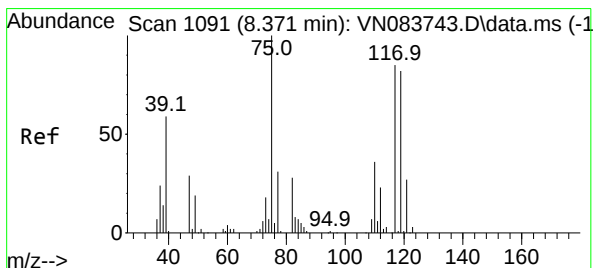
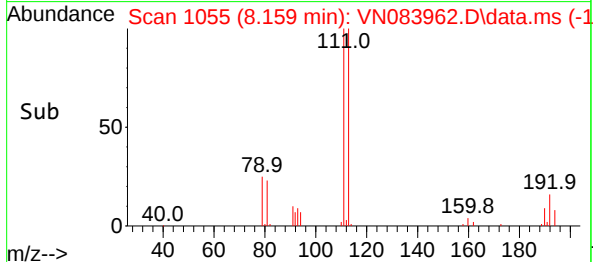
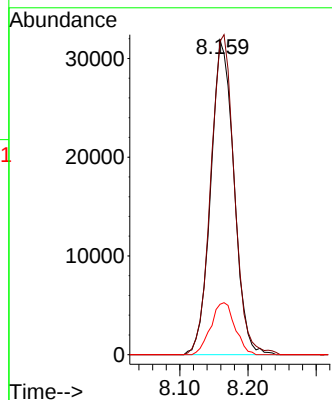
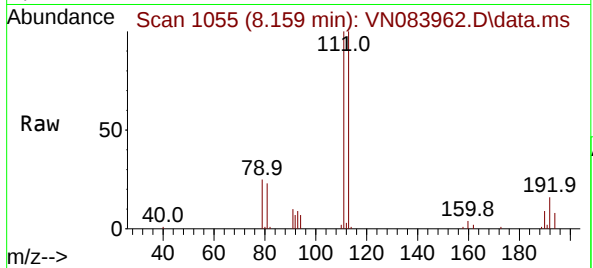




#35
Dibromofluoromethane
Concen: 50.050 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

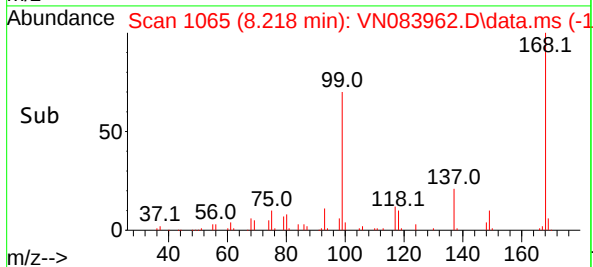
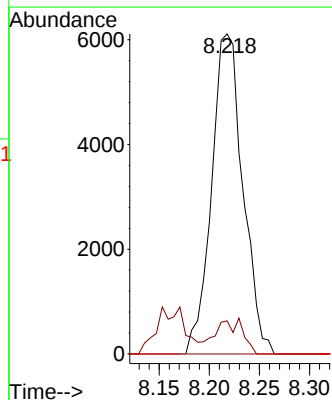
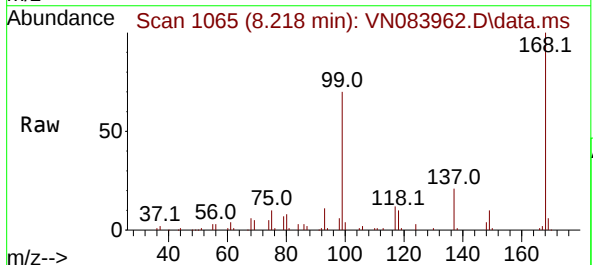
Instrument :
MSVOA_N
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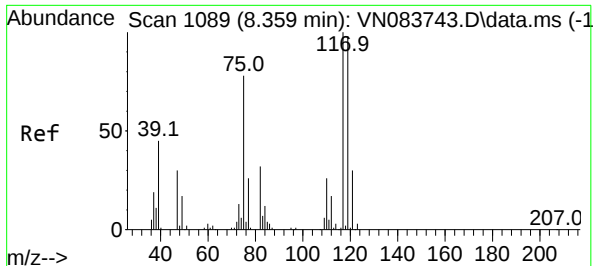
Tgt Ion:113 Resp: 75516
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 17.2 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.846 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 75 Resp: 13277
Ion Ratio Lower Upper
75 100
110 9.2 16.7 50.1#
77 0.0 25.2 37.8#

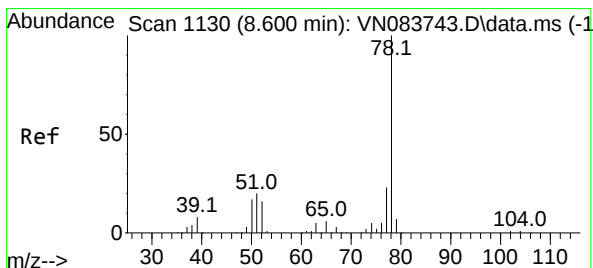
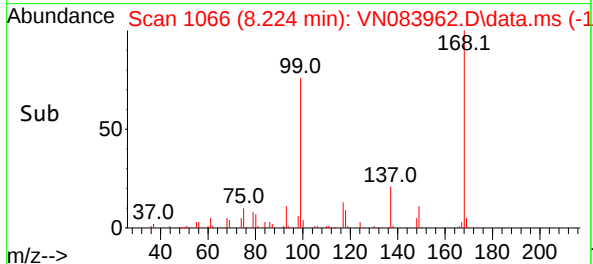
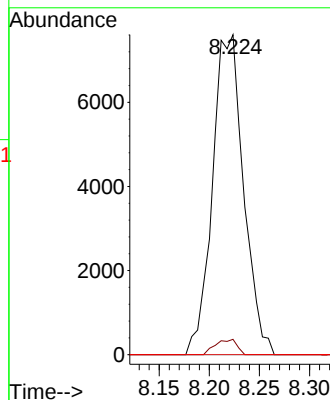
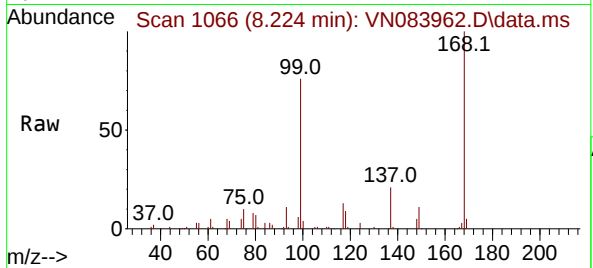




#38
Carbon Tetrachloride
Concen: 6.367 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

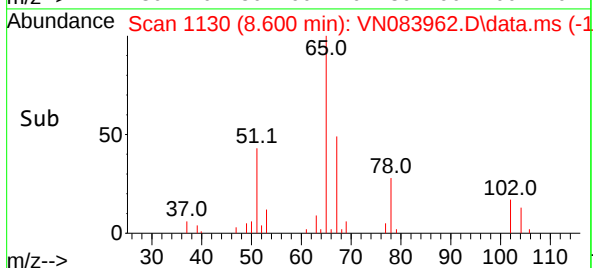
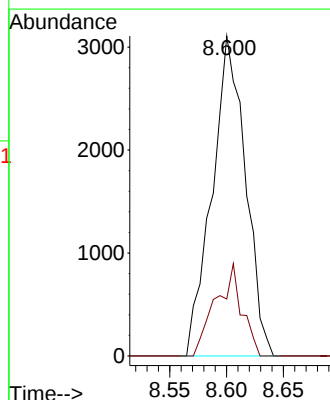
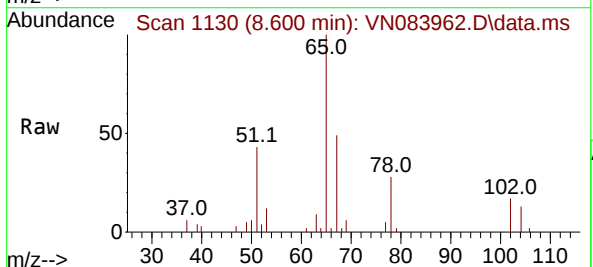
Instrument :
MSVOA_N
ClientSampleId :
TP-3

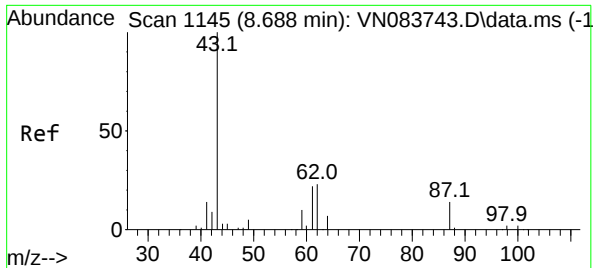
Tgt Ion:117 Resp: 16404
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.1 36.1#



#40
Benzene
Concen: 0.930 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 78 Resp: 6355
Ion Ratio Lower Upper
78 100
77 17.8 19.0 28.6#

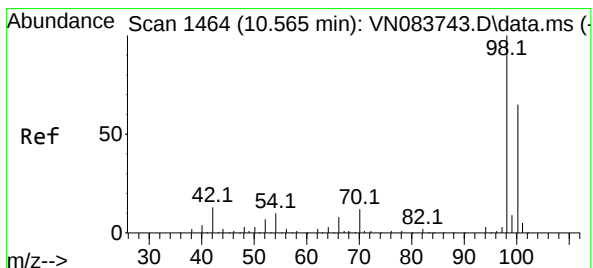
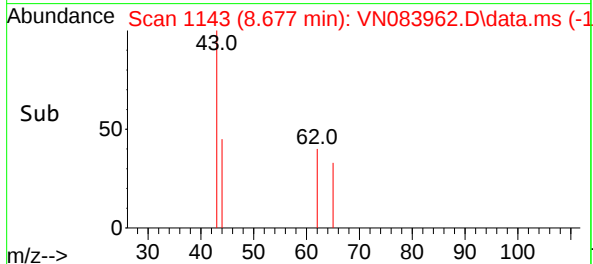
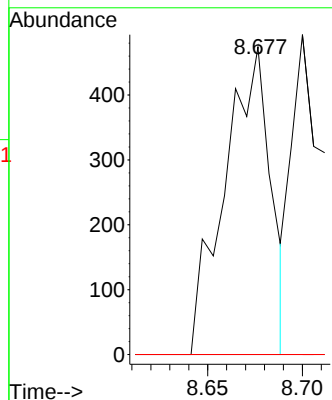
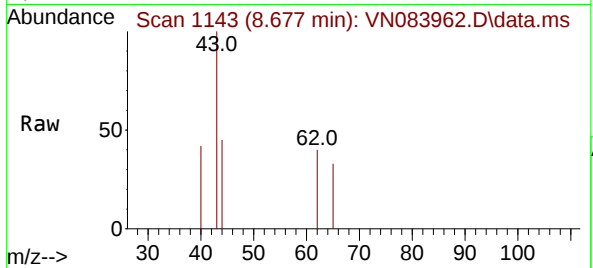




#43
Isopropyl Acetate
Concen: 0.215 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

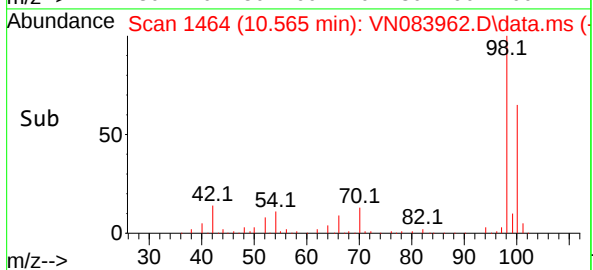
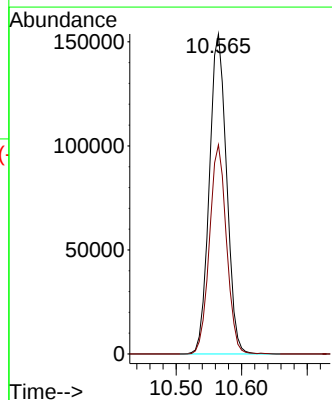
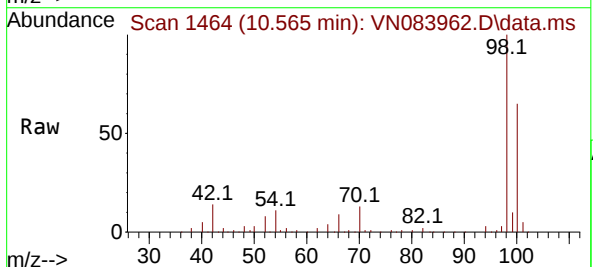
Instrument :
MSVOA_N
ClientSampleId :
TP-3

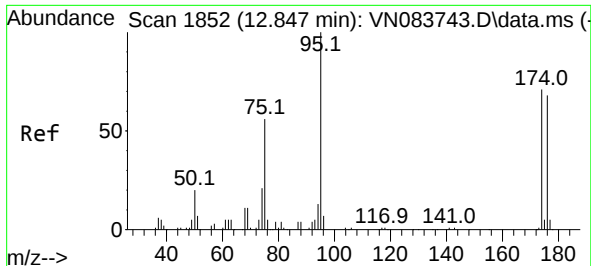
Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#50
Toluene-d8
Concen: 53.898 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 98 Resp: 281137
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

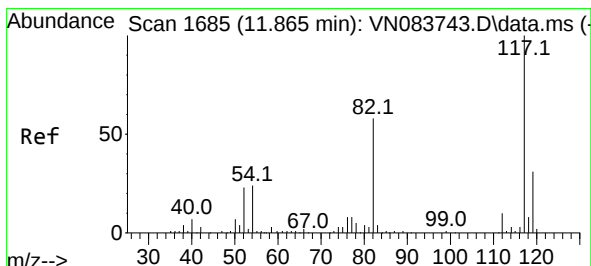
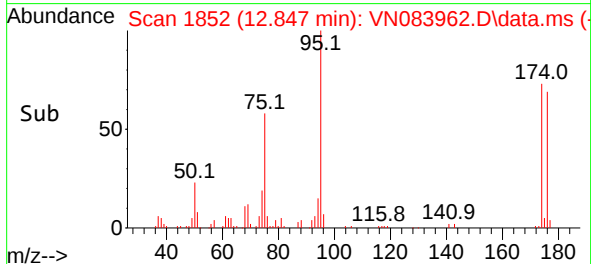
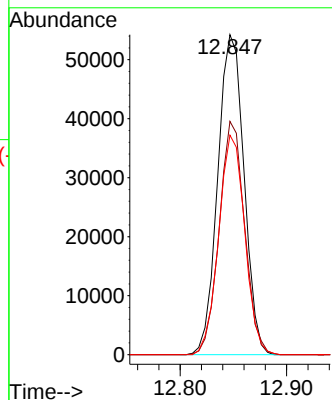
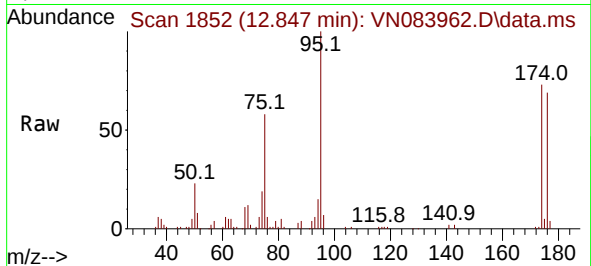




#62
4-Bromofluorobenzene
Concen: 43.082 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

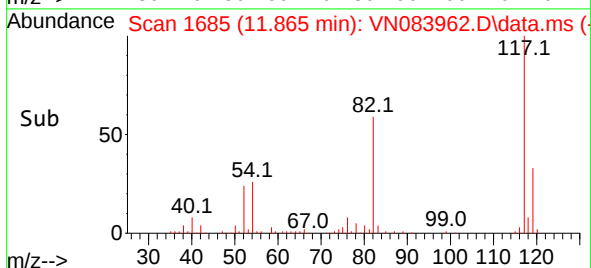
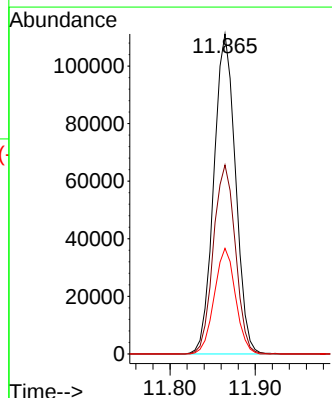
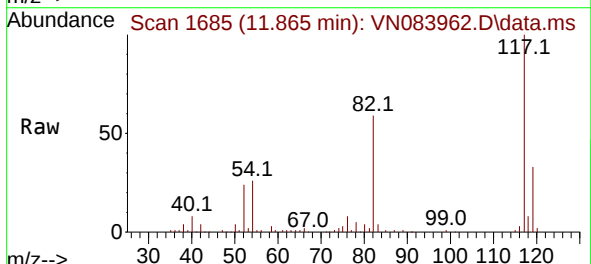
Instrument :
MSVOA_N
ClientSampleId :
TP-3

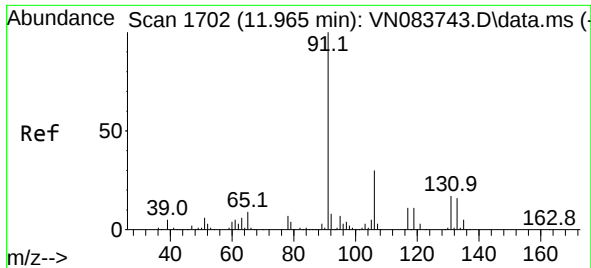
Tgt Ion: 95 Resp: 92714
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.8
176 68.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 117 Resp: 196302
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.0
119 33.0 26.3 39.5

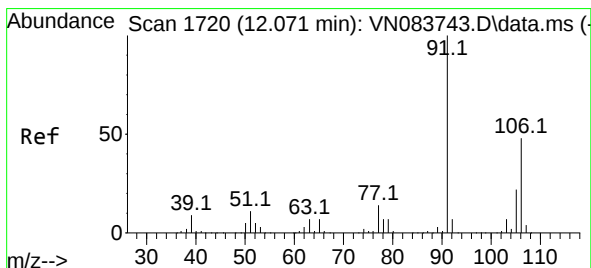
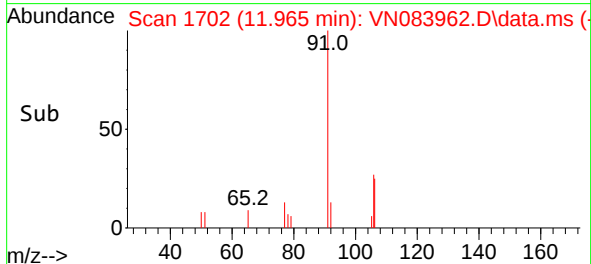
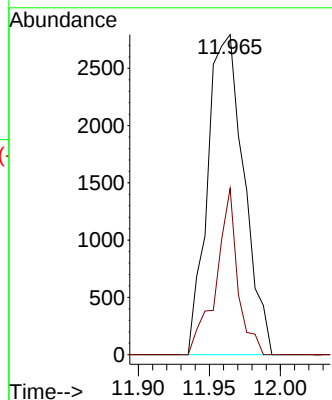
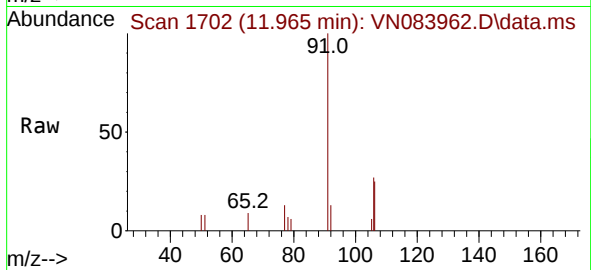




#67
Ethyl Benzene
Concen: 0.642 ug/l
RT: 11.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

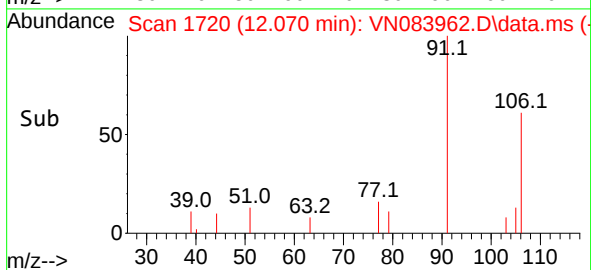
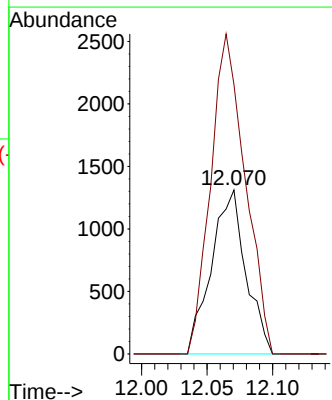
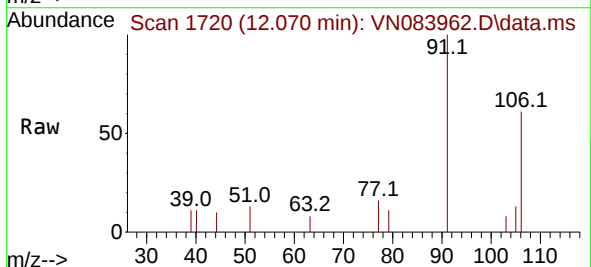
Instrument :
MSVOA_N
ClientSampleId :
TP-3

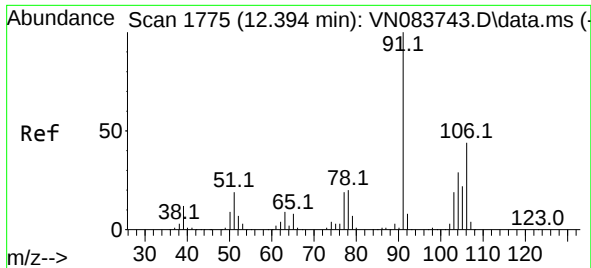
Tgt Ion: 91 Resp: 4975
Ion Ratio Lower Upper
91 100
106 52.0 24.3 36.5#



#68
m/p-Xylenes
Concen: 0.833 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 106 Resp: 2398
Ion Ratio Lower Upper
106 100
91 195.2 169.2 253.8





#69

o-Xylene

Concen: 0.542 ug/l

RT: 12.388 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

ClientSampleId :

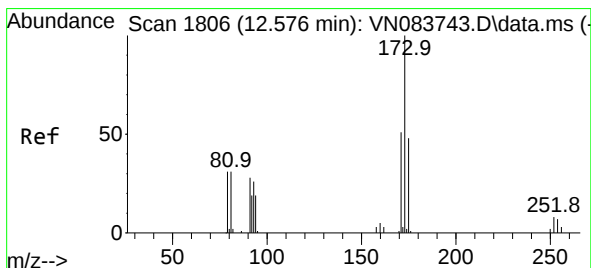
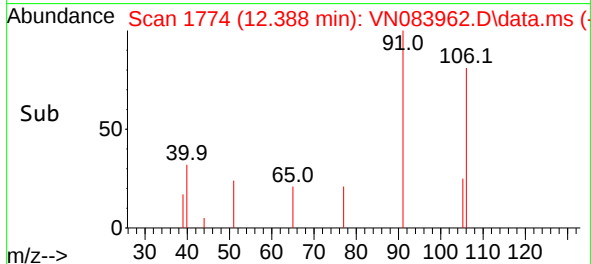
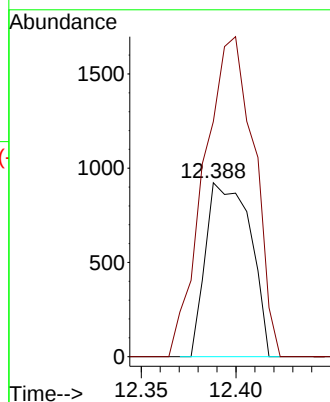
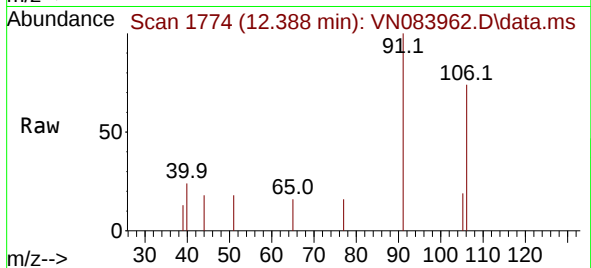
TP-3

Tgt Ion:106 Resp: 1511

Ion Ratio Lower Upper

106 100

91 206.0 112.9 338.6



#71

Bromoform

Concen: 0.501 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

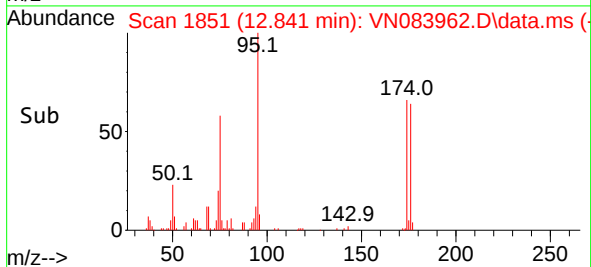
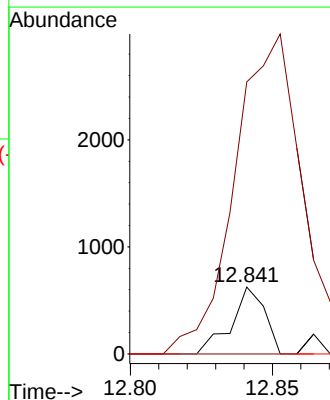
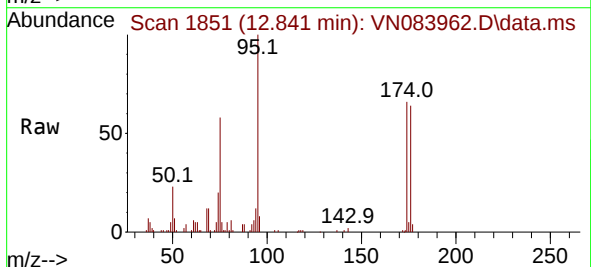
Tgt Ion:173 Resp: 511

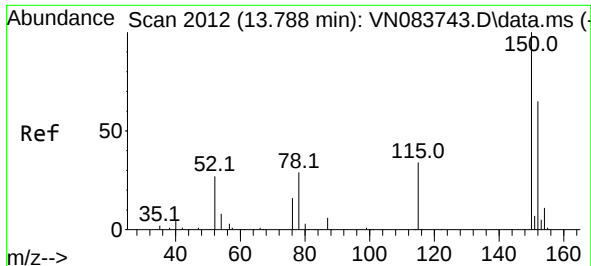
Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.2#

254 0.0 0.0 0.0

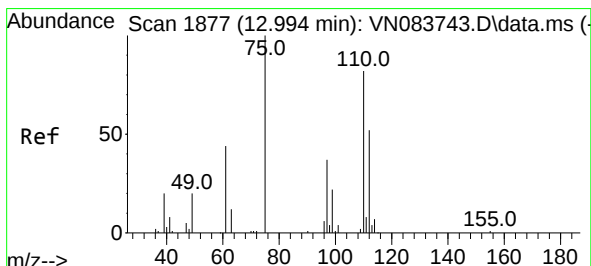
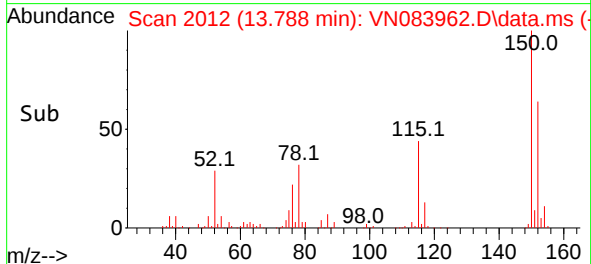
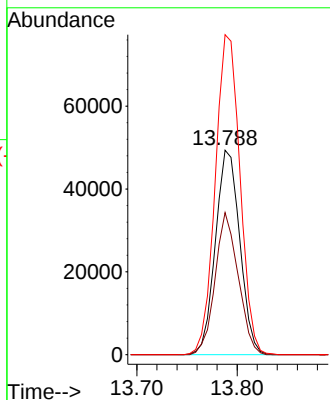
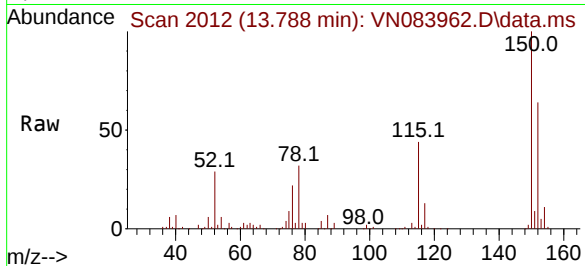




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

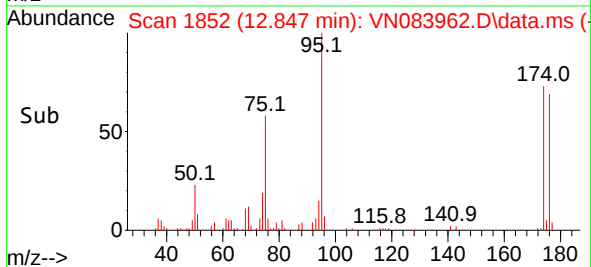
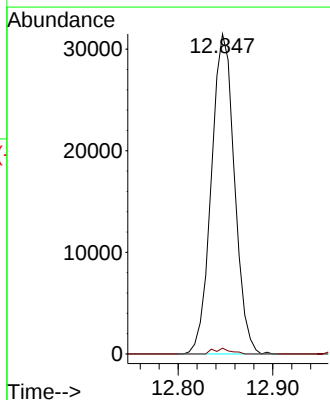
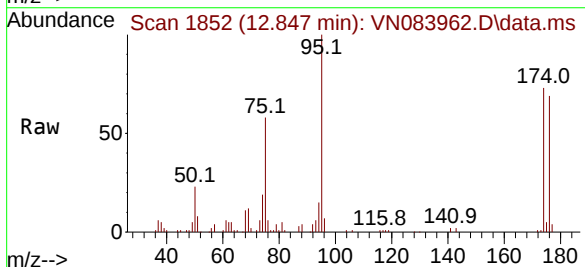
Instrument :
MSVOA_N
ClientSampleId :
TP-3

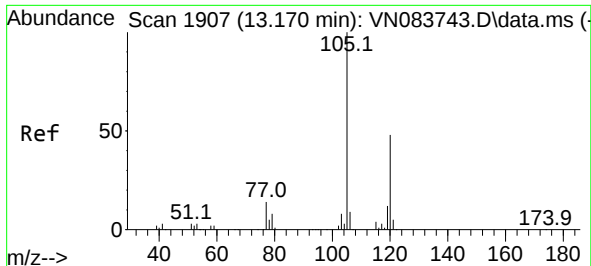
Tgt Ion:152 Resp: 83270
Ion Ratio Lower Upper
152 100
115 65.8 32.2 96.6
150 158.8 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 31.811 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 75 Resp: 53450
Ion Ratio Lower Upper
75 100
77 1.3 95.2 285.6#

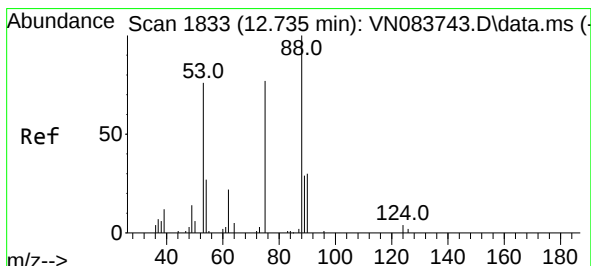
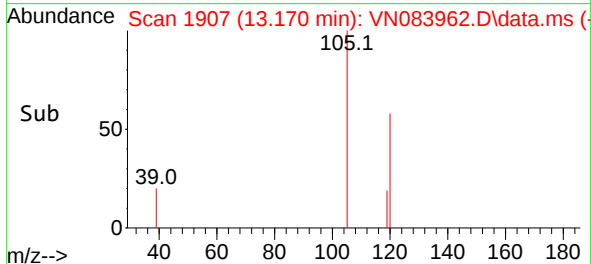
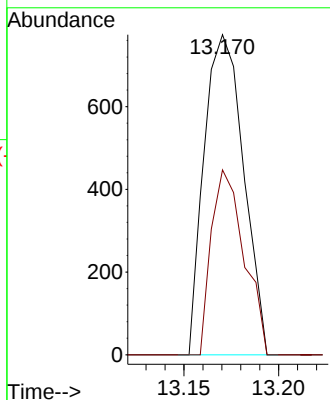
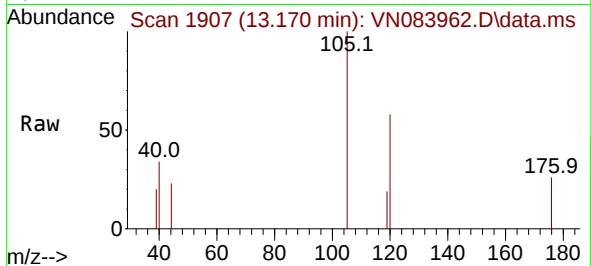




#80
 1,3,5-Trimethylbenzene
 Concen: 0.206 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN083962.D
 Acq: 18 Sep 2024 05:09

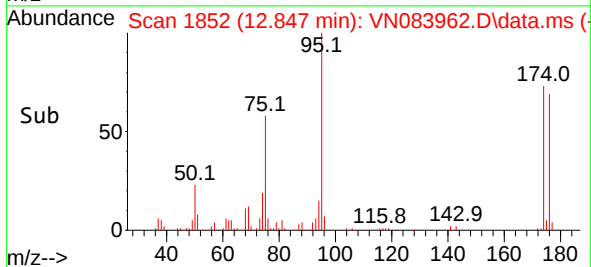
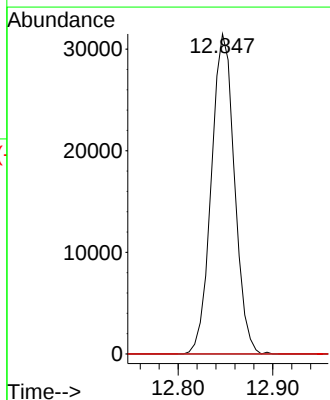
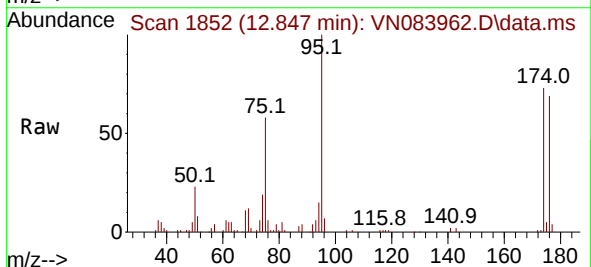
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

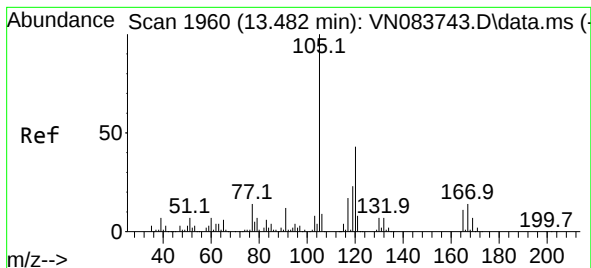
Tgt Ion:105 Resp: 1121
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.4 70.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.316 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN083962.D
 Acq: 18 Sep 2024 05:09

Tgt Ion: 75 Resp: 53450
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.211 ug/l

RT: 13.488 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

ClientSampleId :

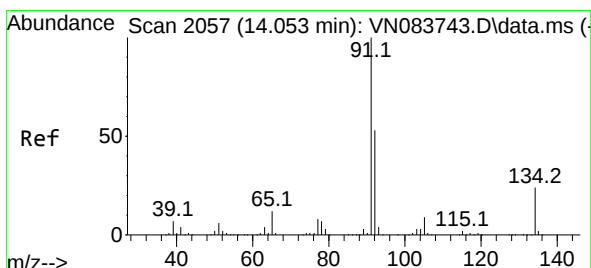
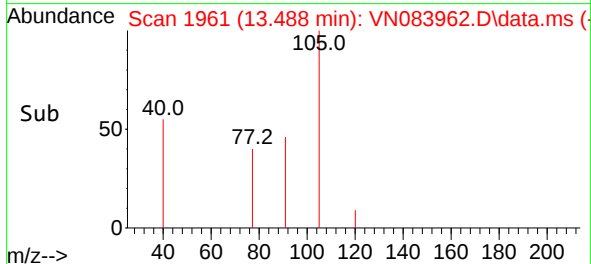
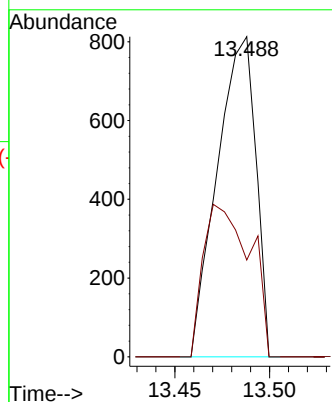
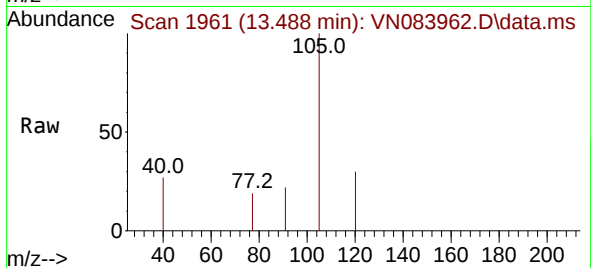
TP-3

Tgt Ion:105 Resp: 1151

Ion Ratio Lower Upper

105 100

120 57.7 21.8 65.4



#89

n-Butylbenzene

Concen: 0.268 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

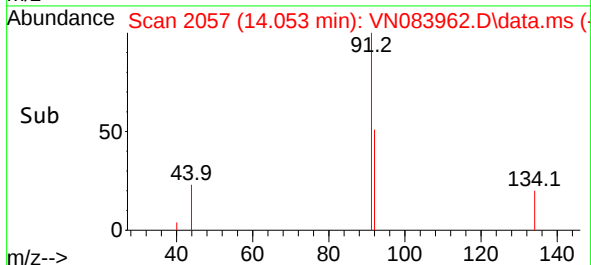
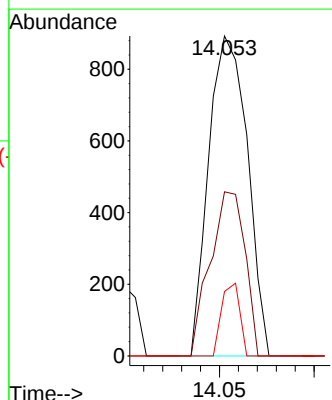
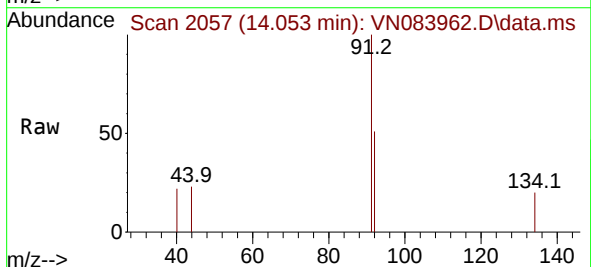
Tgt Ion: 91 Resp: 1269

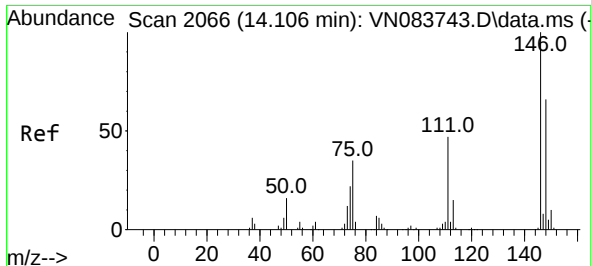
Ion Ratio Lower Upper

91 100

92 46.2 26.7 80.1

134 10.6 12.2 36.4#





#91

1,2-Dichlorobenzene

Concen: 0.239 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

ClientSampleId :

TP-3

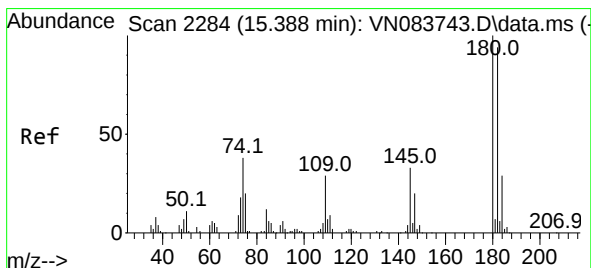
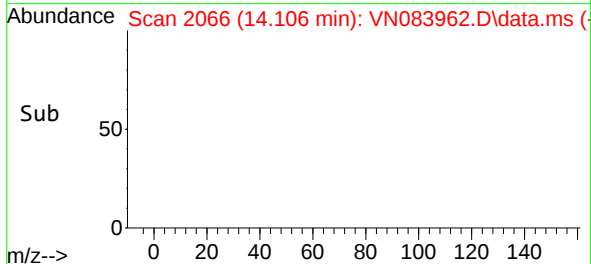
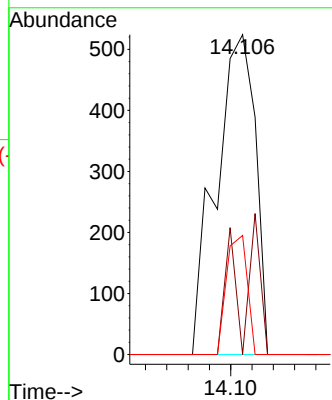
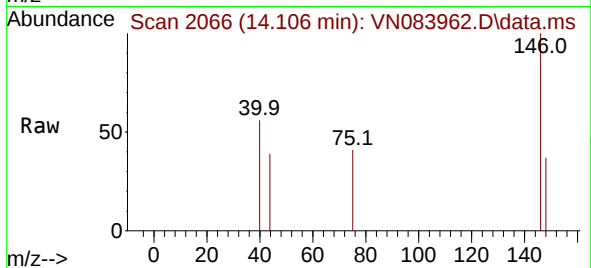
Tgt Ion:146 Resp: 674

Ion Ratio Lower Upper

146 100

111 23.0 22.8 68.3

148 19.6 32.1 96.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.545 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

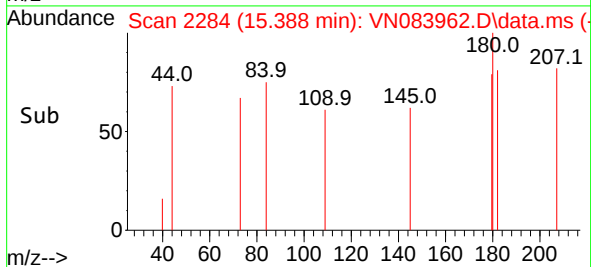
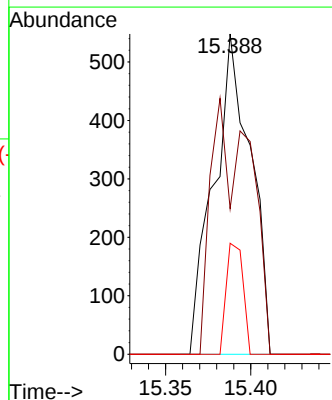
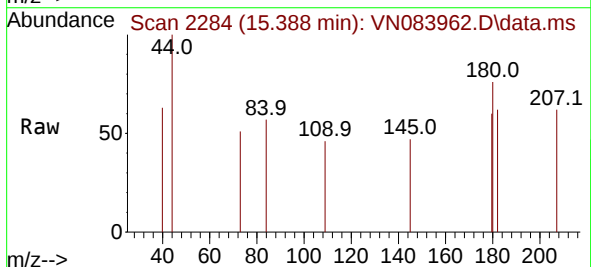
Tgt Ion:180 Resp: 826

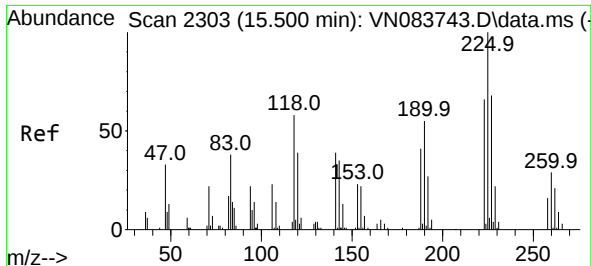
Ion Ratio Lower Upper

180 100

182 42.5 48.1 144.3#

145 15.7 16.9 50.7#

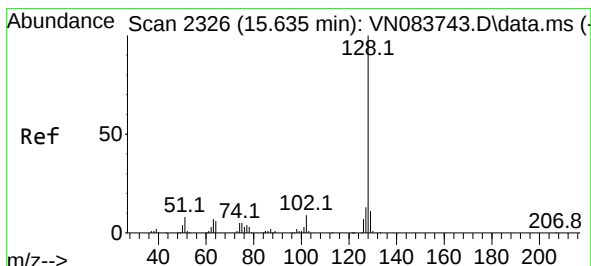
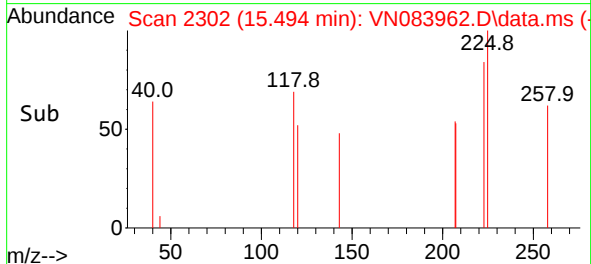
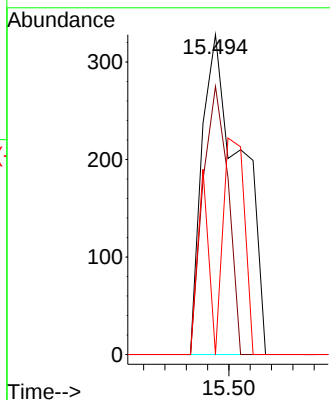
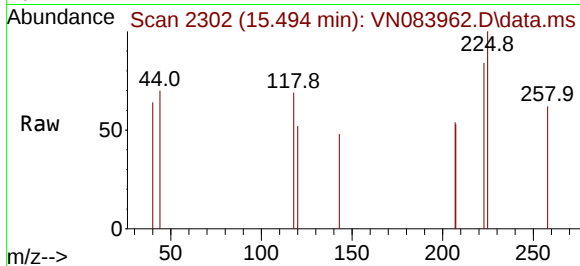




#94
Hexachlorobutadiene
Concen: 0.645 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

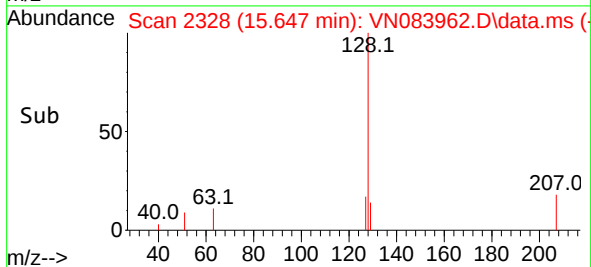
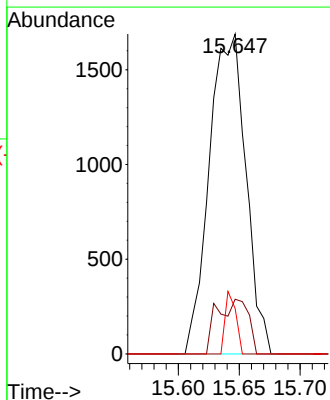
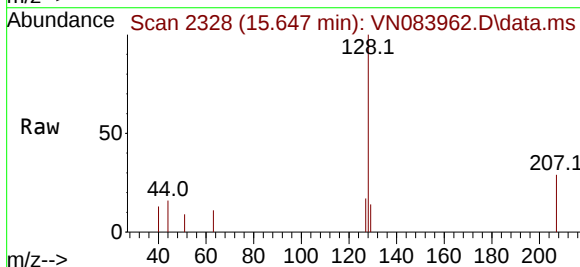
Instrument :
MSVOA_N
ClientSampleId :
TP-3

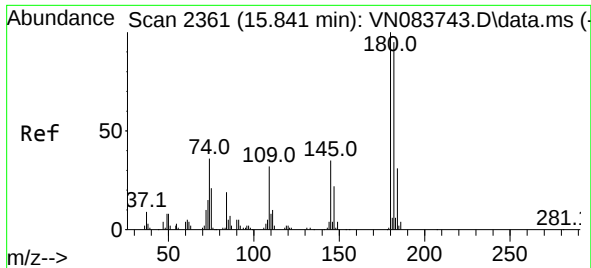
Tgt Ion:	225	Resp:	415
Ion	Ratio	Lower	Upper
225	100		
223	54.0	31.9	95.5
227	53.3	32.0	96.2



#95
Naphthalene
Concen: 0.764 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion:	128	Resp:	3523
Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.2	15.2
129	5.7	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.618 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN083962.D
 Acq: 18 Sep 2024 05:09

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Tgt Ion:180 Resp: 895
 Ion Ratio Lower Upper
 180 100
 182 105.5 47.1 141.4
 145 6.7 17.8 53.5#

