

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
 Data File : VN083941.D
 Acq On : 17 Sep 2024 13:30
 Operator : JC\MD
 Sample : P3957-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 18 01:47:52 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)

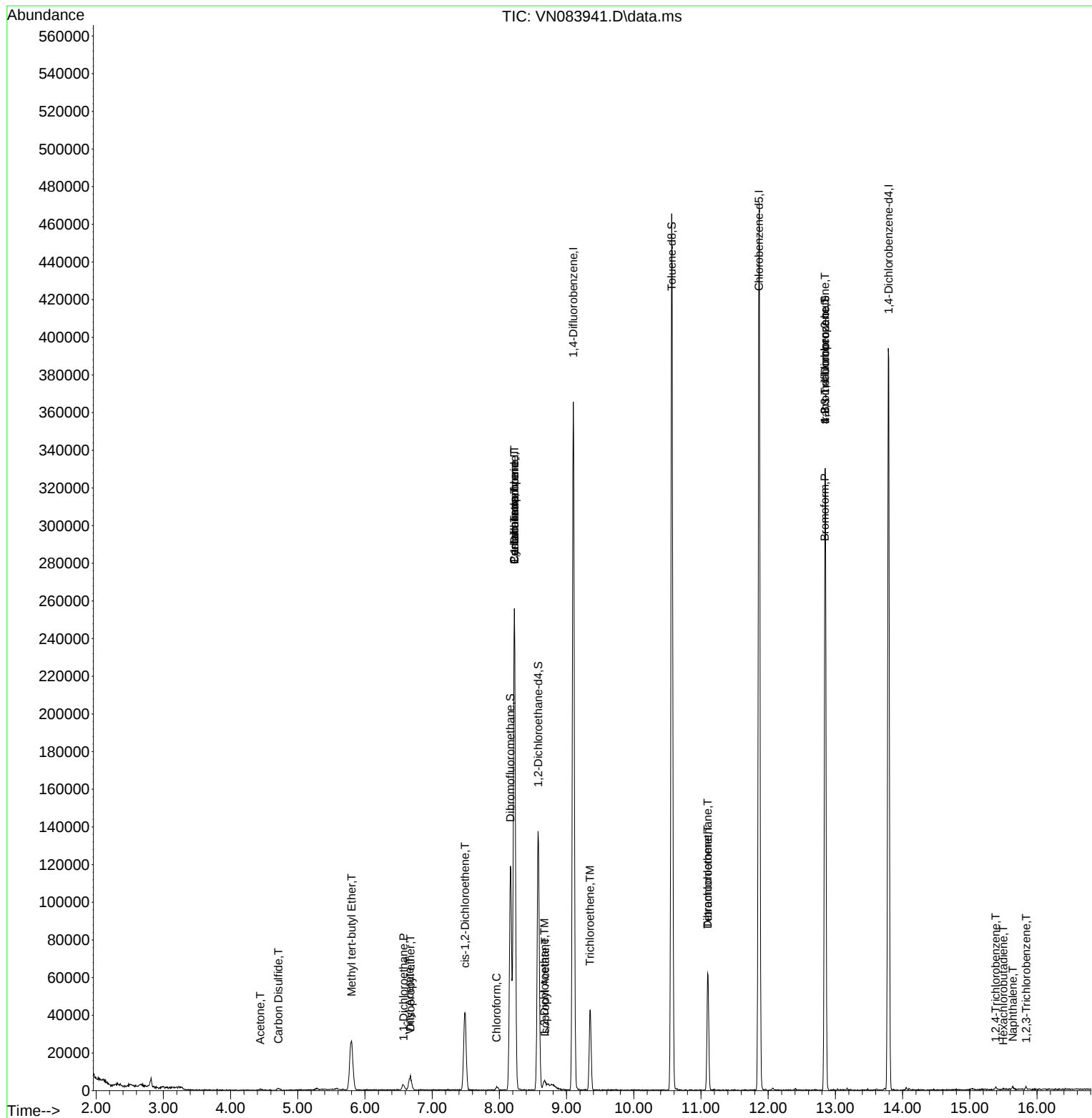
Internal Standards						
1) Pentafluorobenzene	8.224	168	173353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	102172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117712	45.033	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.060%
35) Dibromofluoromethane	8.165	113	83452	43.433	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.860%
50) Toluene-d8	10.565	98	306667	46.169	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.340%
62) 4-Bromofluorobenzene	12.847	95	112828	41.171	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	82.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	609	Below Cal	#	58
16) Acetone	4.442	43	890	0.849	ug/l #	45
17) Carbon Disulfide	4.712	76	1055	0.201	ug/l #	75
18) Methyl Acetate	5.024	43	75	Below Cal	#	52
19) Methyl tert-butyl Ether	5.800	73	42071	6.201	ug/l	95
22) Diisopropyl ether	6.677	45	8588	1.249	ug/l #	94
23) Vinyl Acetate	6.665	43	2609	0.518	ug/l #	71
24) 1,1-Dichloroethane	6.577	63	5257	1.327	ug/l #	82
27) cis-1,2-Dichloroethene	7.488	96	24554	10.294	ug/l	90
30) Chloroform	7.959	83	2038	0.484	ug/l	84
31) Cyclohexane	8.224	56	4801	1.271	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	17162	5.934	ug/l #	51
38) Carbon Tetrachloride	8.224	117	20343	6.200	ug/l #	17
42) 1,2-Dichloroethane	8.671	62	1987	0.611	ug/l #	77
43) Isopropyl Acetate	8.682	43	5031	1.058	ug/l #	57
44) Trichloroethene	9.347	130	14581	7.234	ug/l	90
60) Dibromochloromethane	11.100	129	13482	6.061	ug/l #	10
64) Tetrachloroethene	11.100	164	13672	8.169	ug/l	95
71) Bromoform	12.841	173	807	0.618	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	63561	30.831	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63561	80.747	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.388	180	734	0.395	ug/l #	16
94) Hexachlorobutadiene	15.500	225	162	0.205	ug/l	72
95) Naphthalene	15.641	128	2271	0.401	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.841	180	616	0.347	ug/l	90

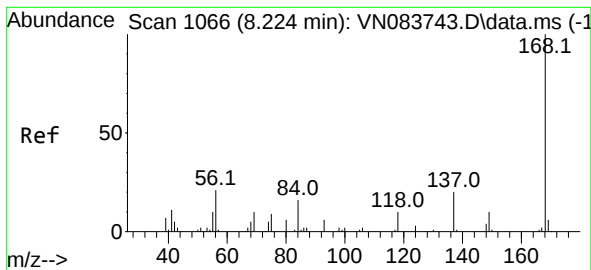
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
Data File : VN083941.D
Acq On : 17 Sep 2024 13:30
Operator : JC\MD
Sample : P3957-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

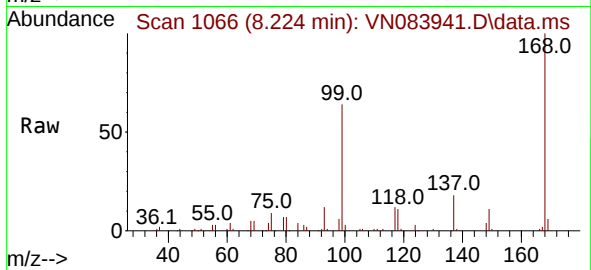
Quant Time: Sep 18 01:47:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



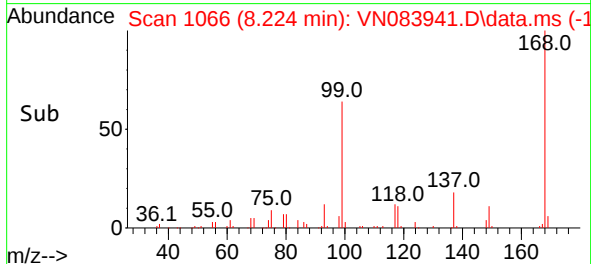
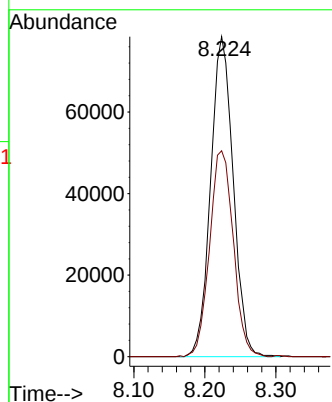


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

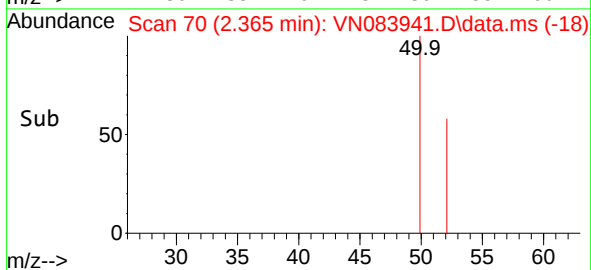
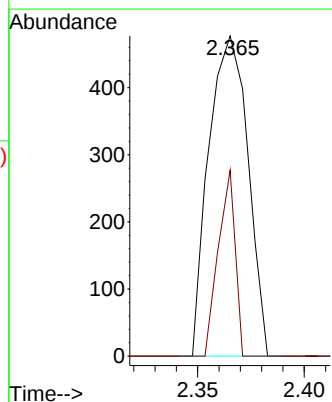
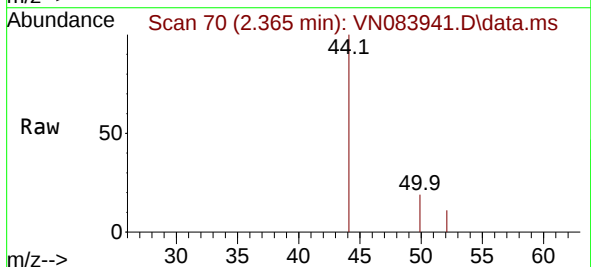


Tgt Ion:168 Resp: 173353
Ion Ratio Lower Upper
168 100
99 64.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Tgt Ion: 50 Resp: 609
Ion Ratio Lower Upper
50 100
52 58.1 27.2 40.8#

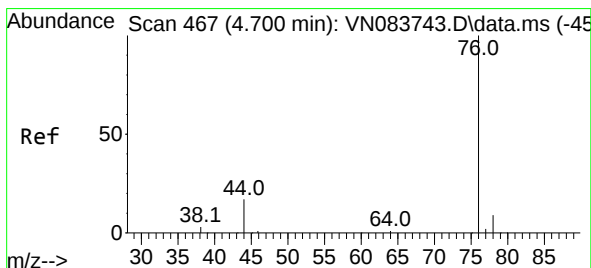
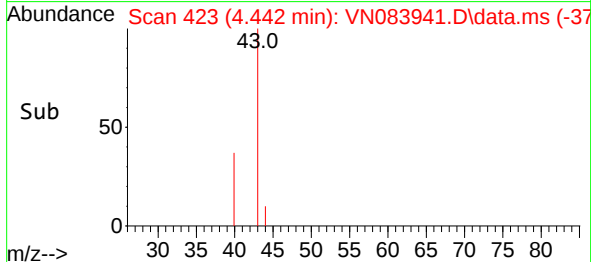
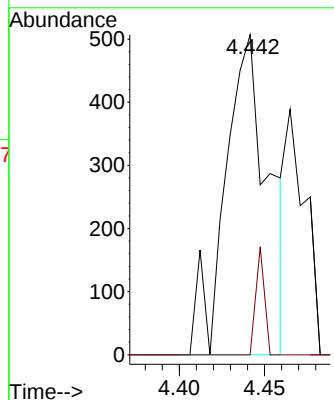
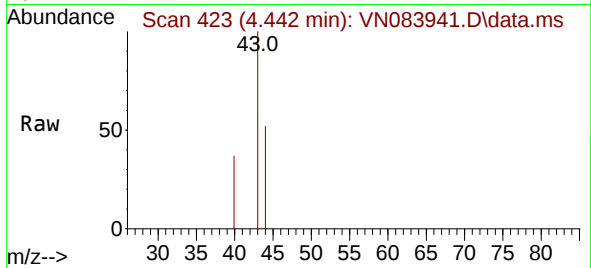




#16
Acetone
Concen: 0.849 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

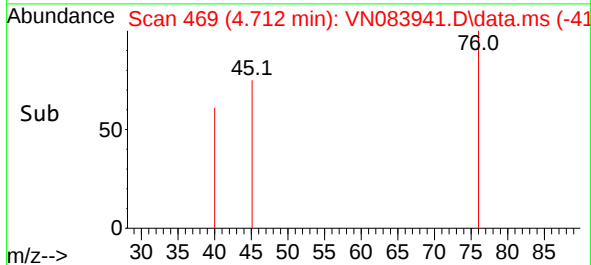
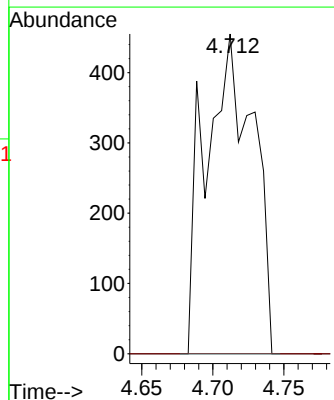
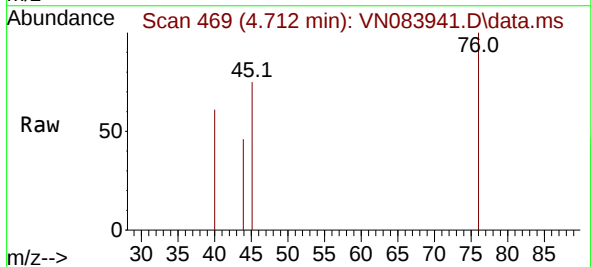
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 890
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Tgt Ion: 76 Resp: 1055
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 51

Delta R.T. -0.000 min MSVOA_N

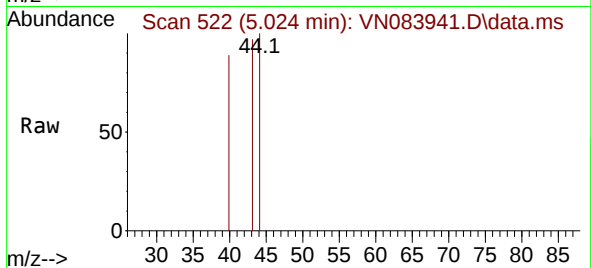
Lab File: VN083941.D

Acq: 17 Sep 2024 13:30

Instrument :

MSVOA_N

ClientSampleId :

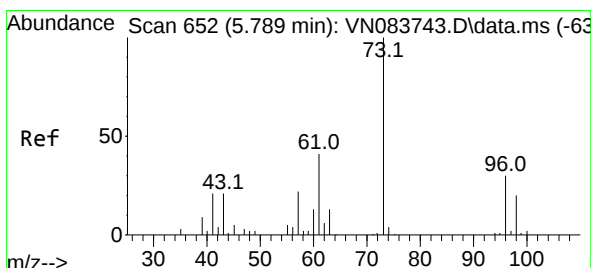
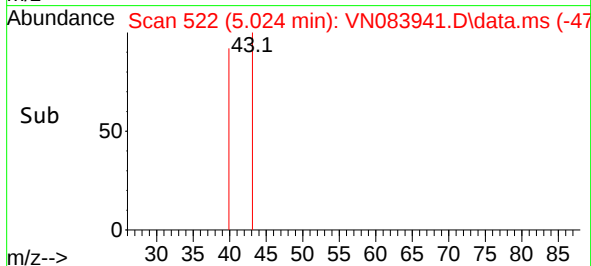
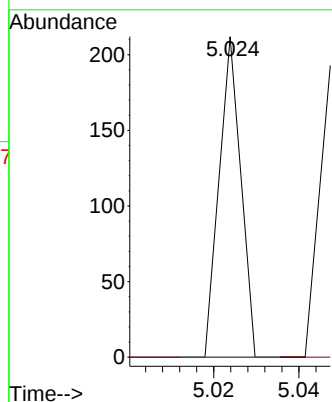


Tgt Ion: 43 Resp: 75

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#19

Methyl tert-butyl Ether

Concen: 6.201 ug/l

RT: 5.800 min Scan# 654

Delta R.T. 0.012 min

Lab File: VN083941.D

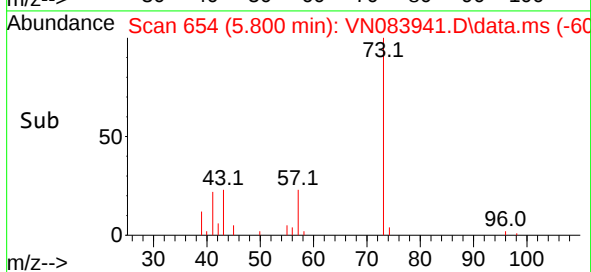
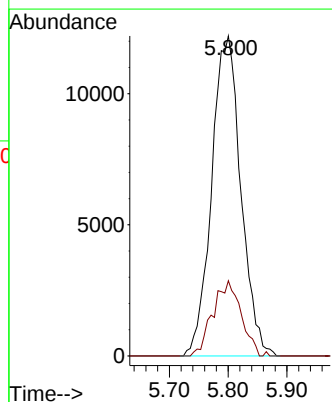
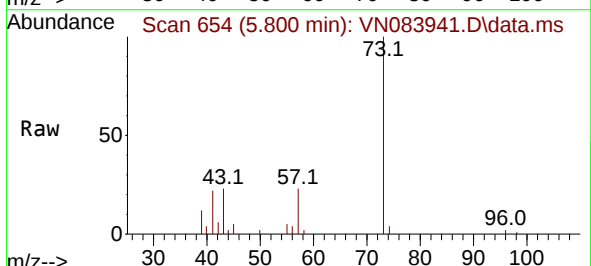
Acq: 17 Sep 2024 13:30

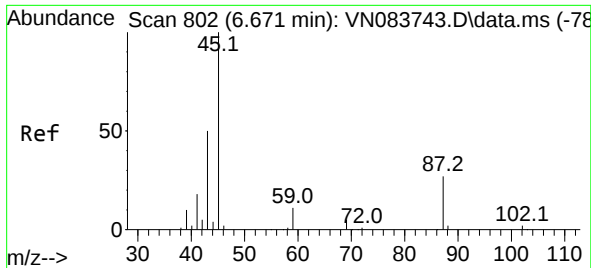
Tgt Ion: 73 Resp: 42071

Ion Ratio Lower Upper

73 100

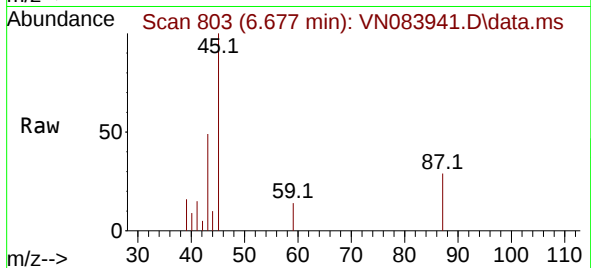
57 23.5 17.0 25.6



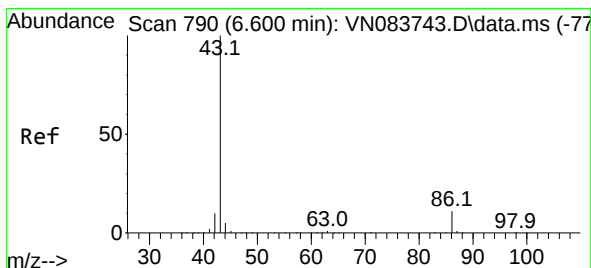
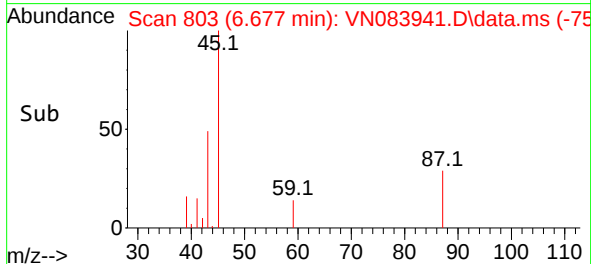
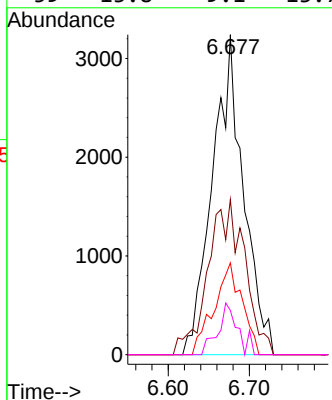


#22
Diisopropyl ether
Concen: 1.249 ug/l
RT: 6.677 min Scan# 801
Delta R.T. 0.006 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

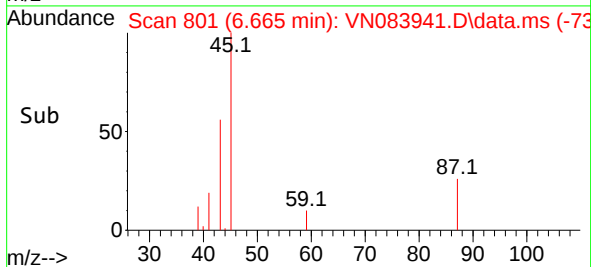
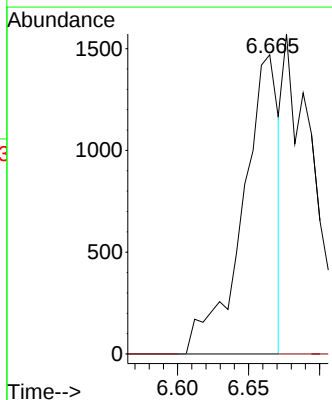
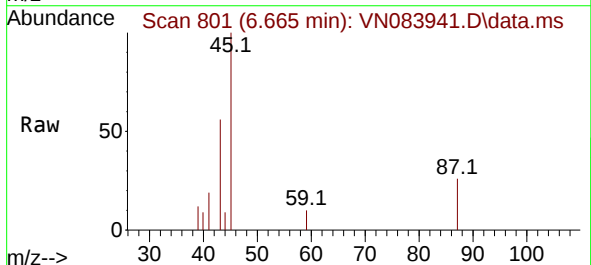


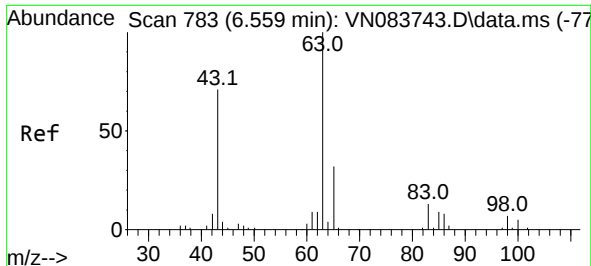
Tgt Ion:	45	Resp:	8588
Ion	Ratio	Lower	Upper
45	100		
43	48.5	43.4	65.0
87	28.7	22.6	33.8
59	13.8	9.1	13.7



#23
Vinyl Acetate
Concen: 0.518 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.065 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

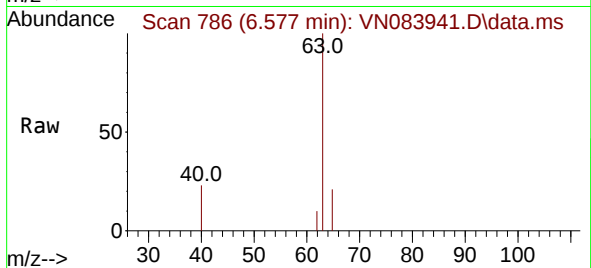
Tgt Ion:	43	Resp:	2609
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.7	13.1



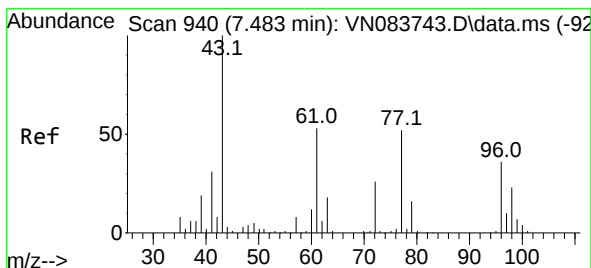
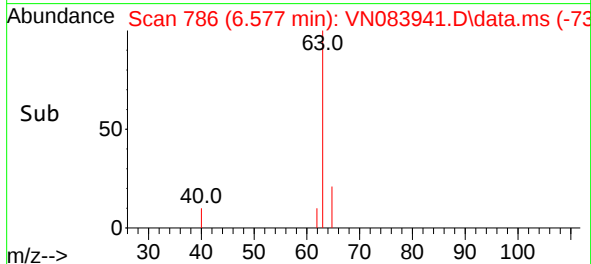
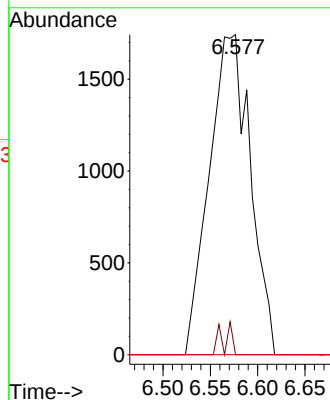


#24
1,1-Dichloroethane
Concen: 1.327 ug/l
RT: 6.577 min Scan# 71
Delta R.T. 0.018 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

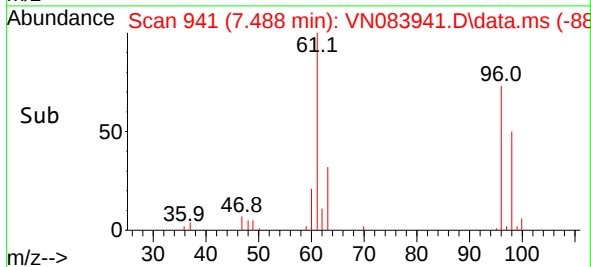
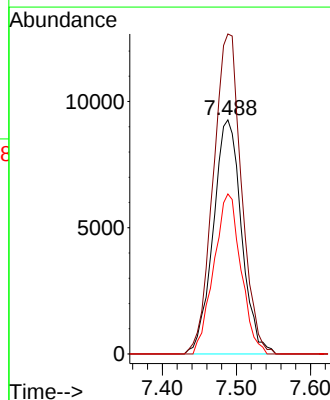
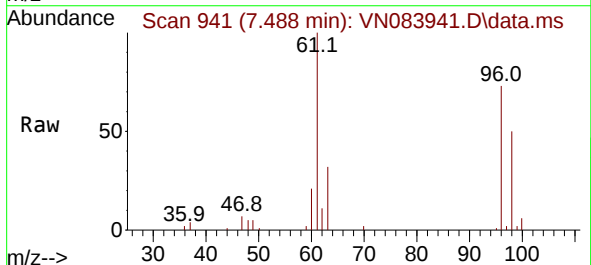


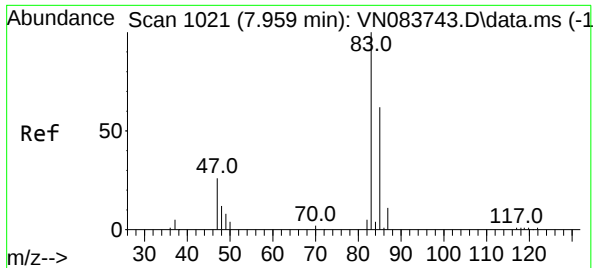
Tgt Ion: 63 Resp: 5257
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 10.294 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Tgt Ion: 96 Resp: 24554
Ion Ratio Lower Upper
96 100
61 136.5 0.0 306.2
98 65.7 0.0 128.6

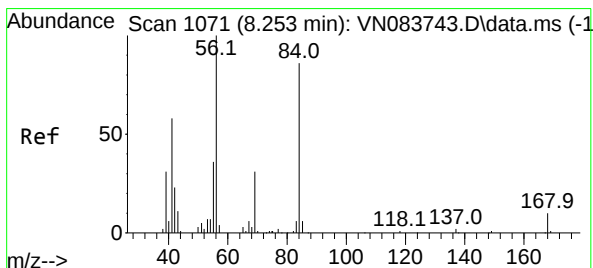
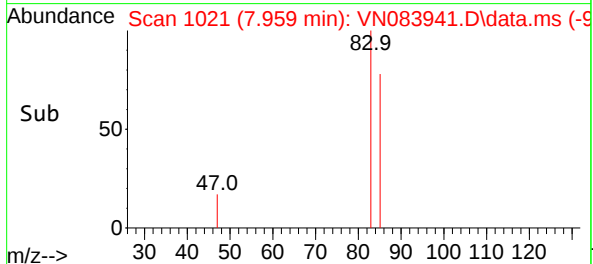
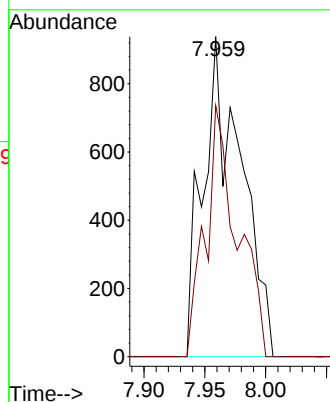
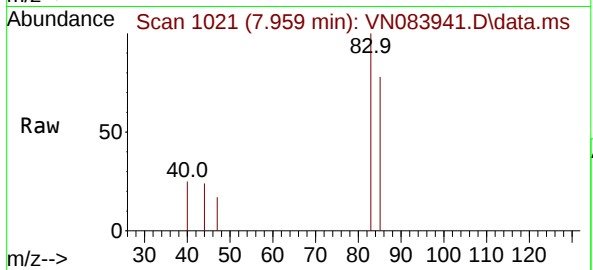




#30
Chloroform
Concen: 0.484 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

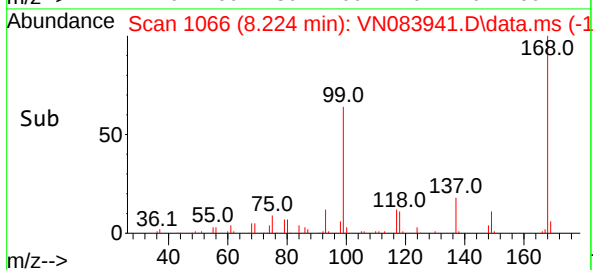
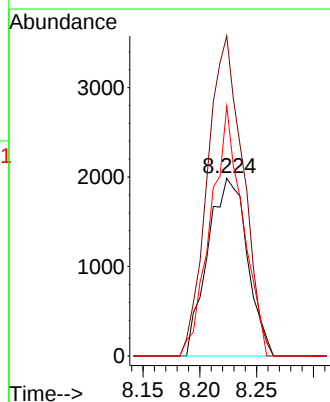
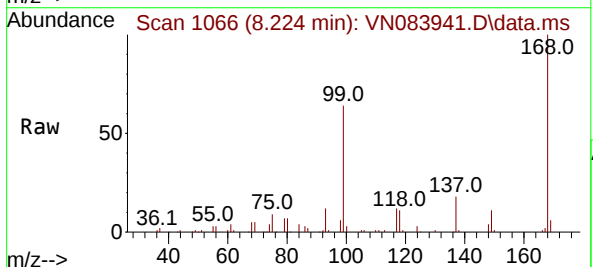
Instrument :
MSVOA_N
ClientSampleId :

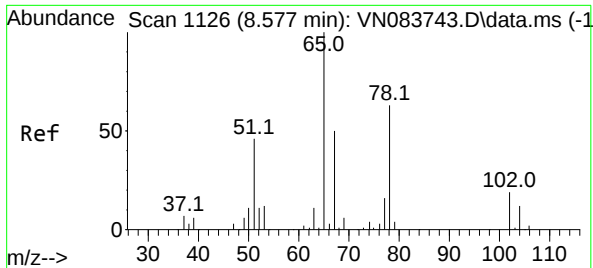
Tgt Ion: 83 Resp: 2038
Ion Ratio Lower Upper
83 100
85 78.5 52.8 79.2



#31
Cyclohexane
Concen: 1.271 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Tgt Ion: 56 Resp: 4801
Ion Ratio Lower Upper
56 100
69 180.1 26.9 40.3#
84 140.6 69.2 103.8#

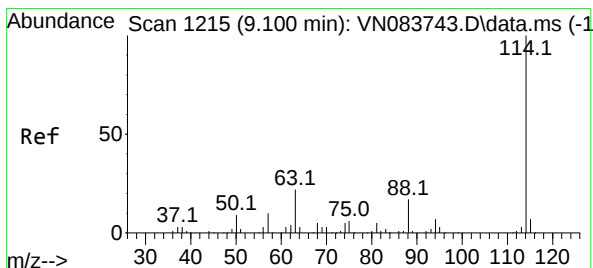
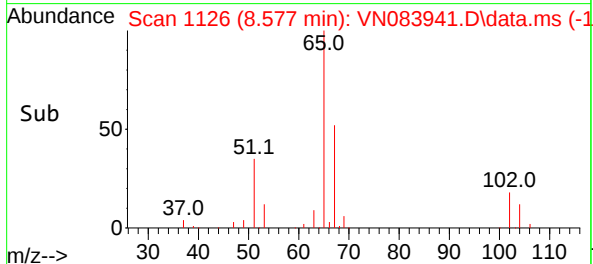
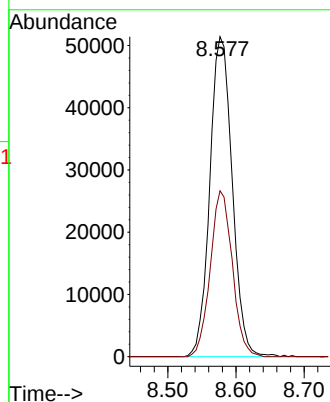
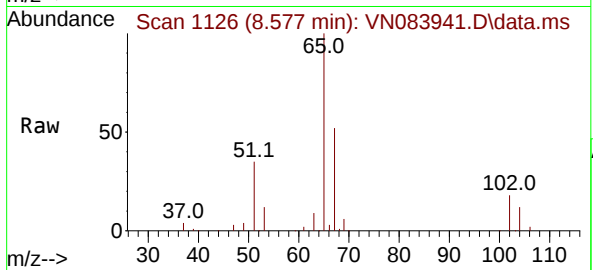




#33
 1,2-Dichloroethane-d4
 Concen: 45.033 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN083941.D
 Acq: 17 Sep 2024 13:30

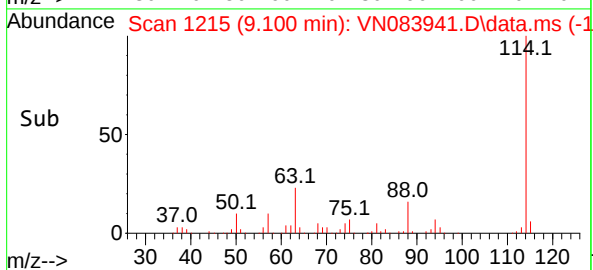
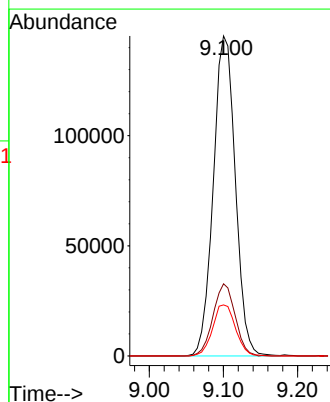
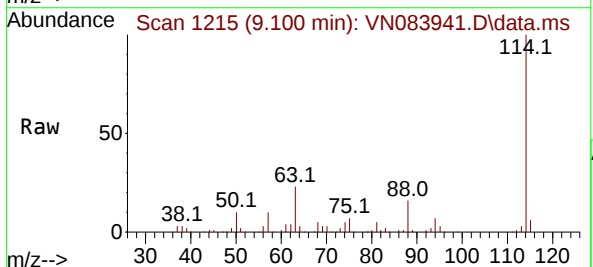
Instrument :
 MSVOA_N
 ClientSampleId :

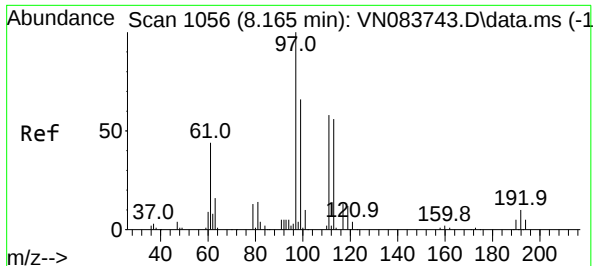
Tgt Ion: 65 Resp: 117712
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN083941.D
 Acq: 17 Sep 2024 13:30

Tgt Ion: 114 Resp: 300128
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.4
 88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 43.433 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083941.D

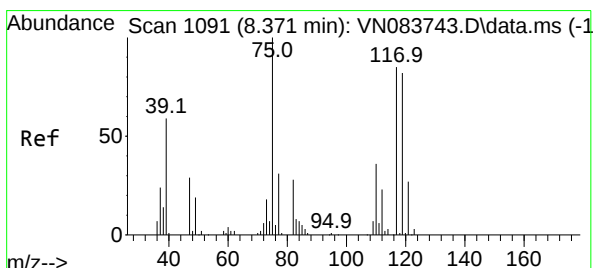
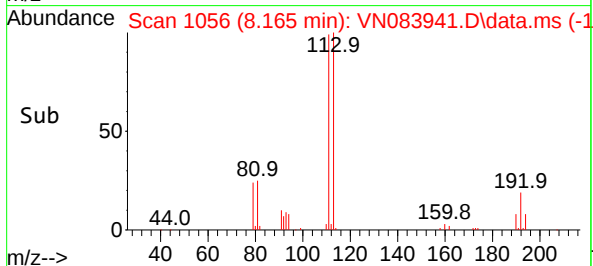
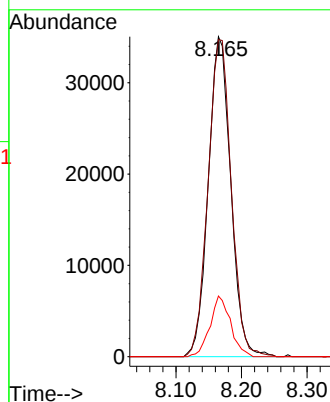
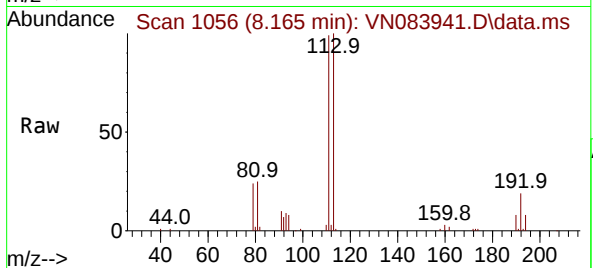
Acq: 17 Sep 2024 13:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	113	Resp:	83452
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.6	124.0
192	17.4	14.3	21.5



#36

1,1-Dichloropropene

Concen: 5.934 ug/l

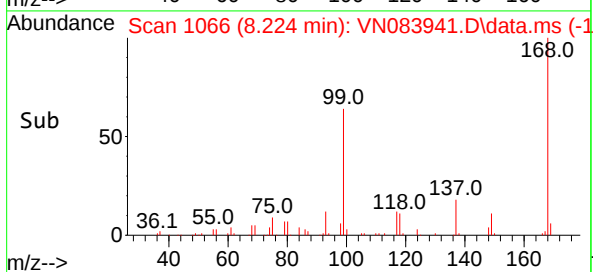
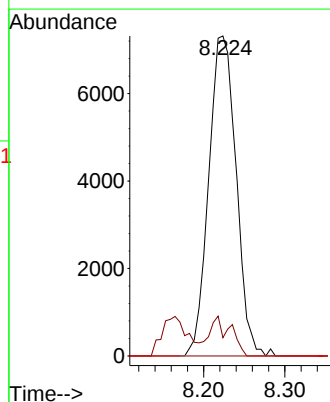
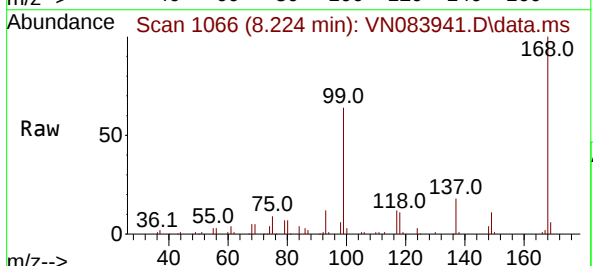
RT: 8.224 min Scan# 1066

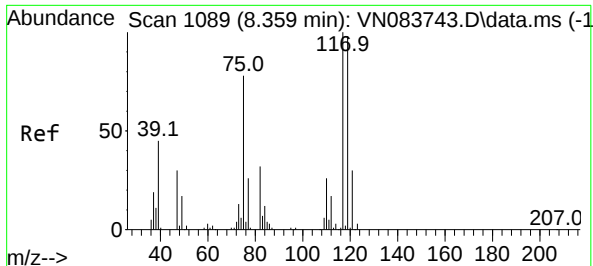
Delta R.T. -0.147 min

Lab File: VN083941.D

Acq: 17 Sep 2024 13:30

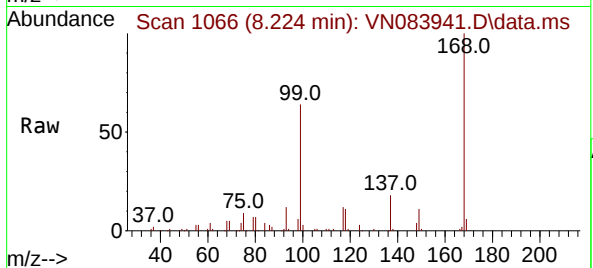
Tgt Ion:	75	Resp:	17162
Ion Ratio	Lower	Upper	
75	100		
110	9.7	16.7	50.1#
77	0.0	25.2	37.8#



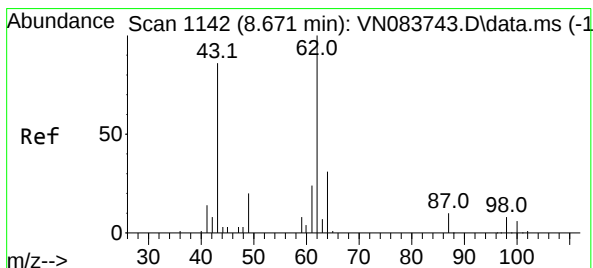
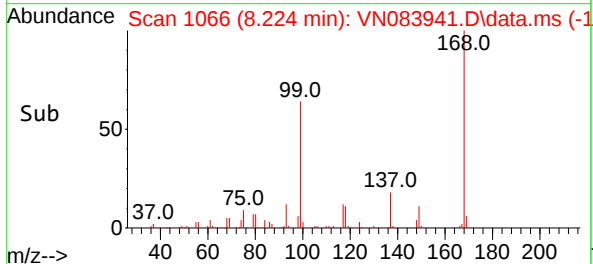
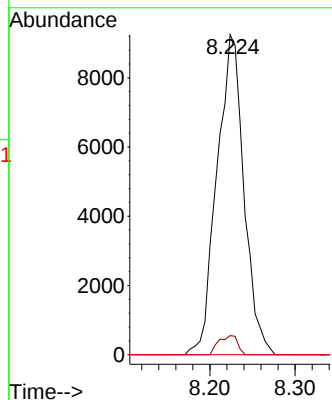


#38
Carbon Tetrachloride
Concen: 6.200 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

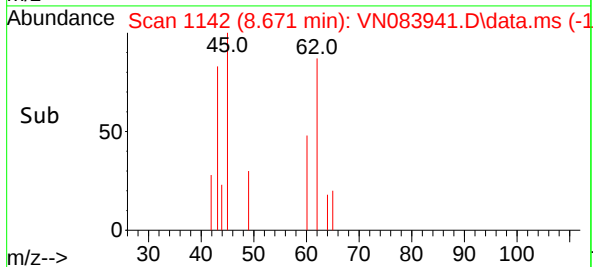
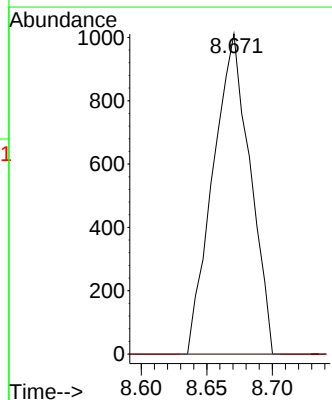
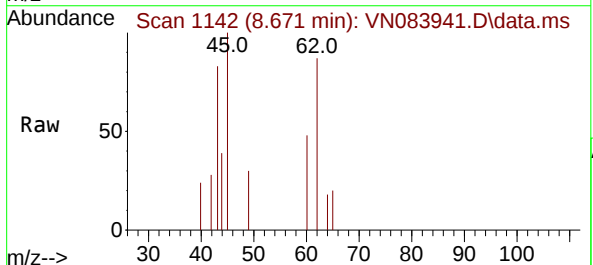


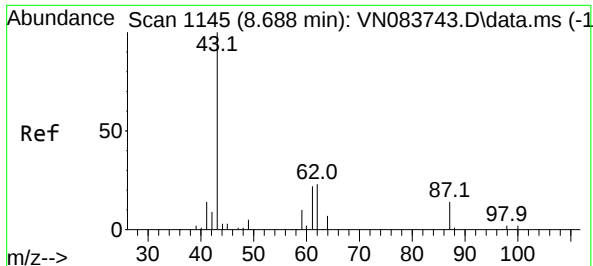
Tgt Ion: 117 Resp: 20343
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.611 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Tgt Ion: 62 Resp: 1987
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 1.058 ug/l

RT: 8.682 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN083941.D

Acq: 17 Sep 2024 13:30

Instrument :

MSVOA_N

ClientSampleId :

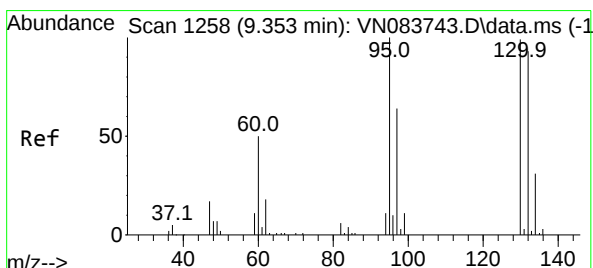
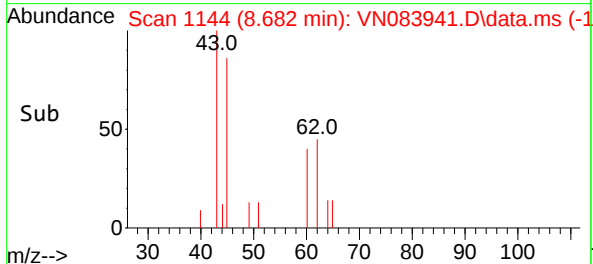
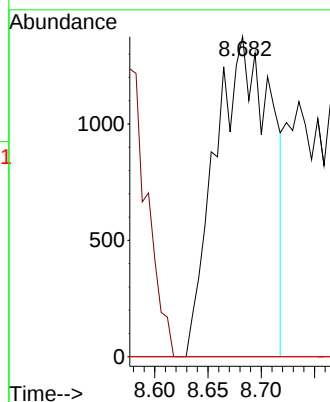
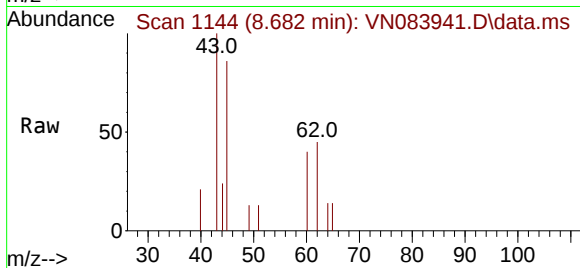
Tgt Ion: 43 Resp: 5031

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 7.234 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.006 min

Lab File: VN083941.D

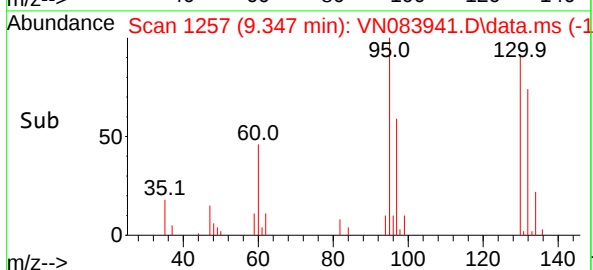
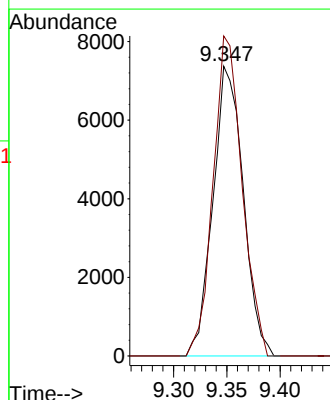
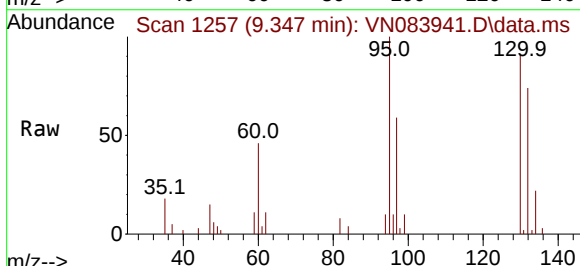
Acq: 17 Sep 2024 13:30

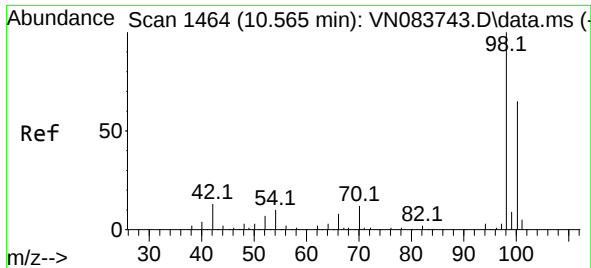
Tgt Ion:130 Resp: 14581

Ion Ratio Lower Upper

130 100

95 110.4 0.0 200.4

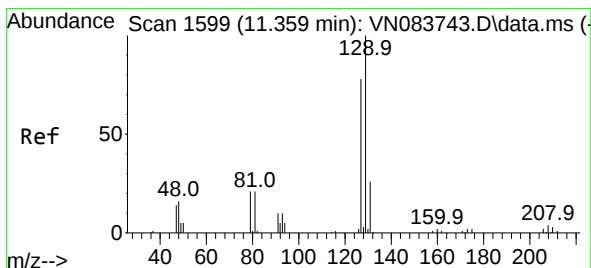
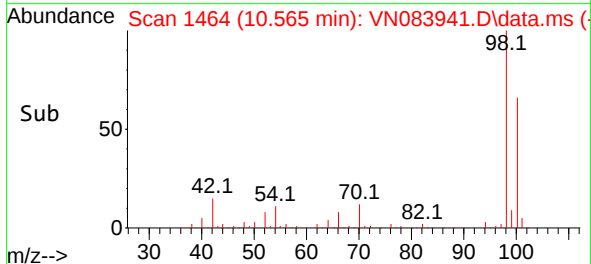
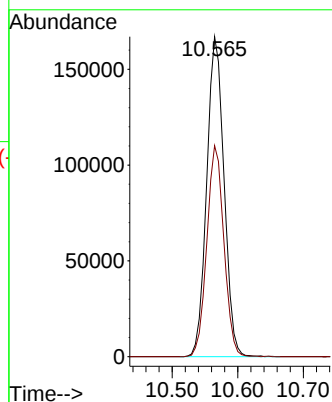
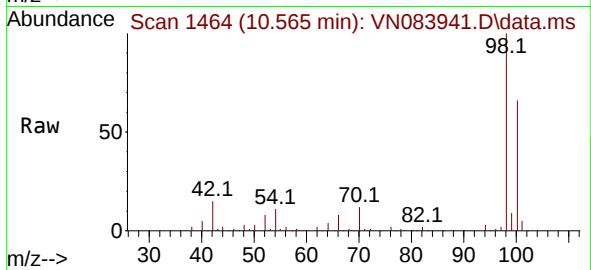




#50
Toluene-d8
Concen: 46.169 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

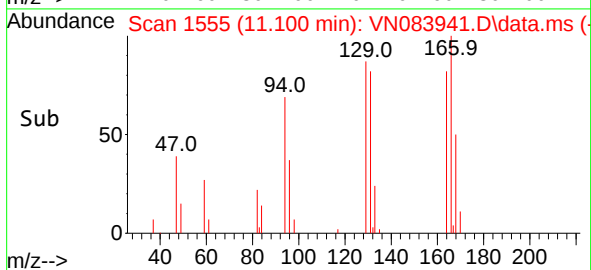
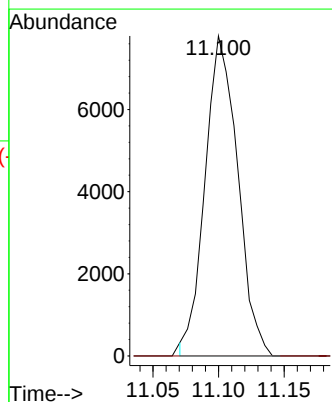
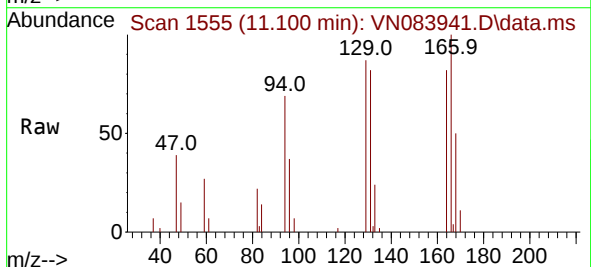
Instrument :
MSVOA_N
ClientSampleId :

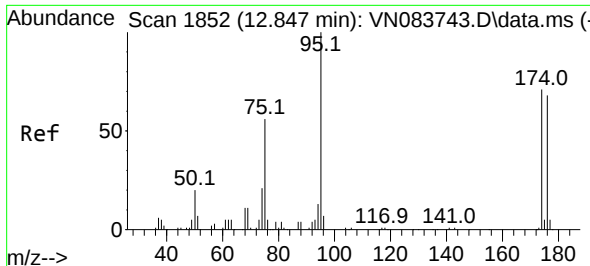
Tgt Ion: 98 Resp: 306667
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#60
Dibromochloromethane
Concen: 6.061 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Tgt Ion:129 Resp: 13482
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

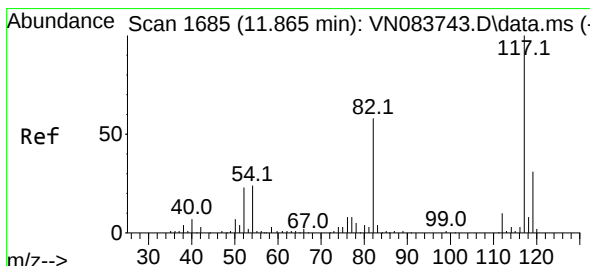
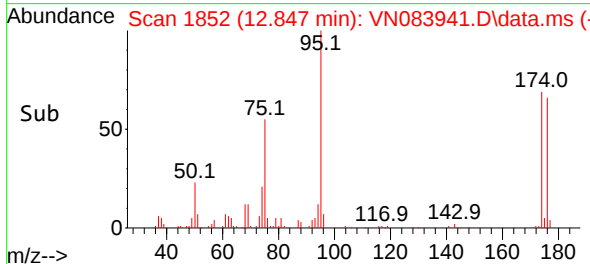
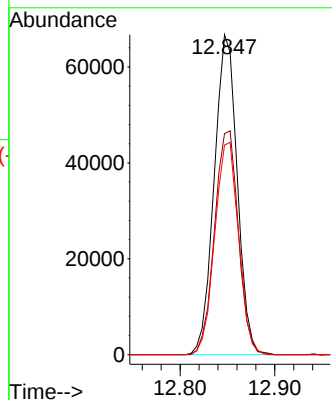
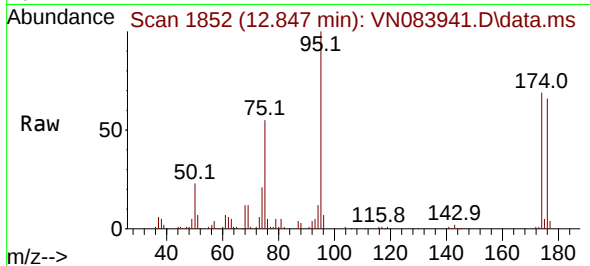




#62
4-Bromofluorobenzene
Concen: 41.171 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

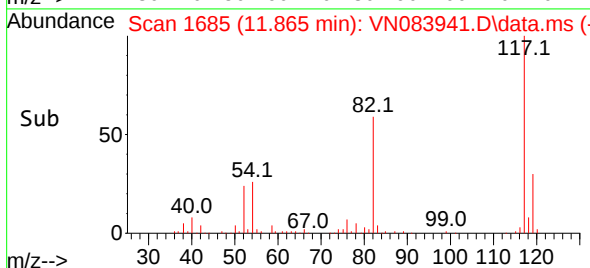
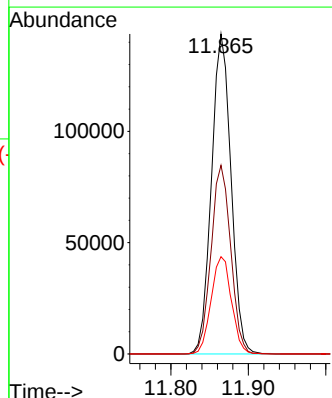
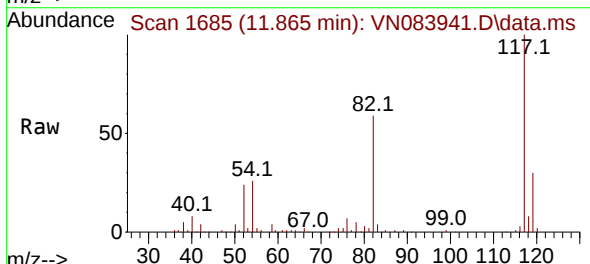
Instrument :
MSVOA_N
ClientSampleId :

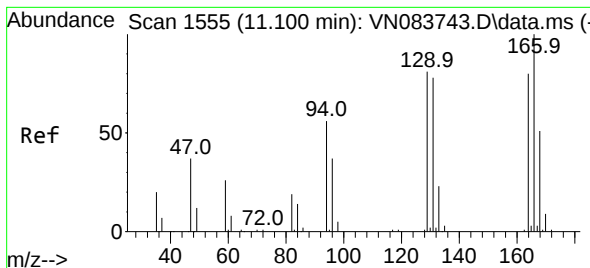
Tgt Ion: 95 Resp: 112828
Ion Ratio Lower Upper
95 100
174 72.5 0.0 139.8
176 68.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Tgt Ion: 117 Resp: 251668
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.0
119 30.4 26.3 39.5





#64

Tetrachloroethene

Concen: 8.169 ug/l

RT: 11.100 min Scan# 11

Delta R.T. -0.000 min

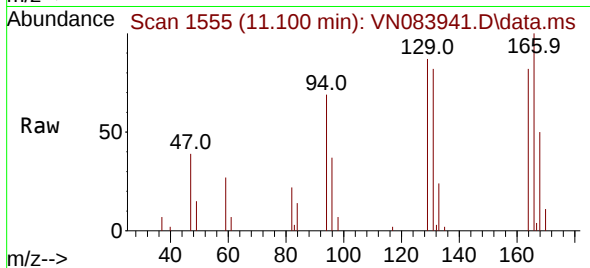
Lab File: VN083941.D

Acq: 17 Sep 2024 13:30

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 13672

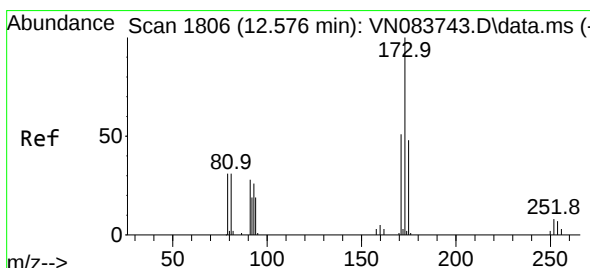
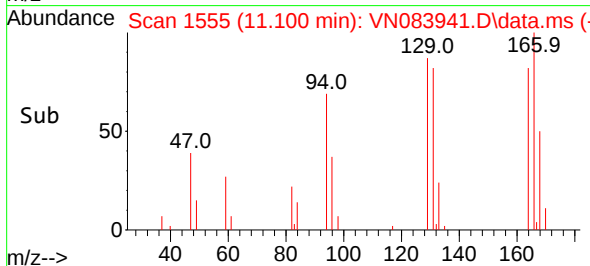
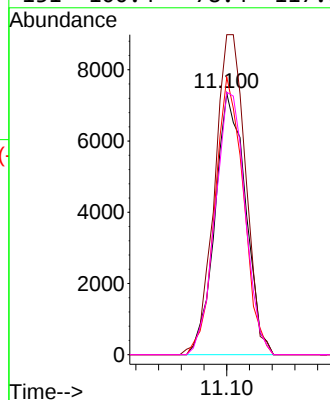
Ion Ratio Lower Upper

164 100

166 122.4 103.7 155.5

129 106.2 79.9 119.9

131 100.4 78.4 117.6



#71

Bromoform

Concen: 0.618 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN083941.D

Acq: 17 Sep 2024 13:30

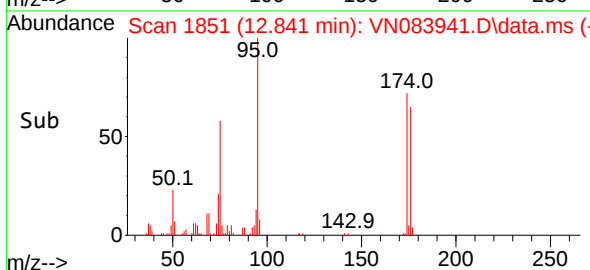
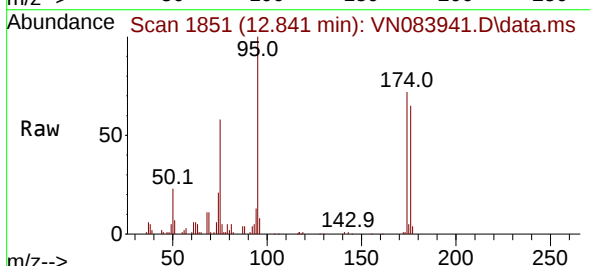
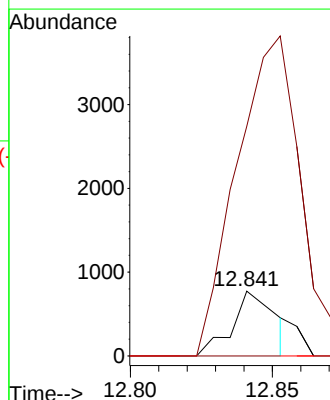
Tgt Ion:173 Resp: 807

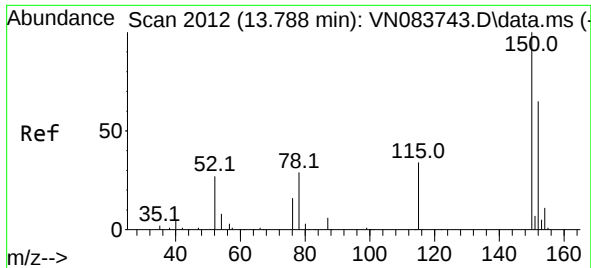
Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.2#

254 0.0 0.0 0.0

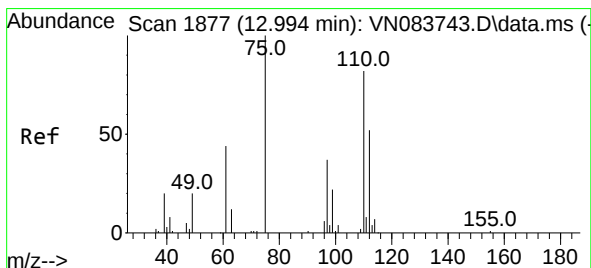
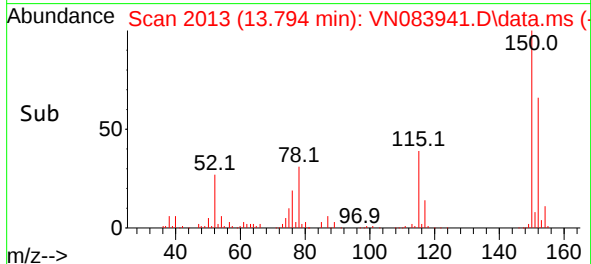
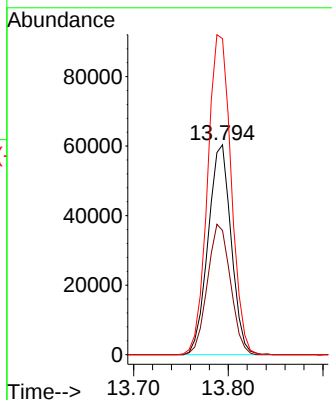
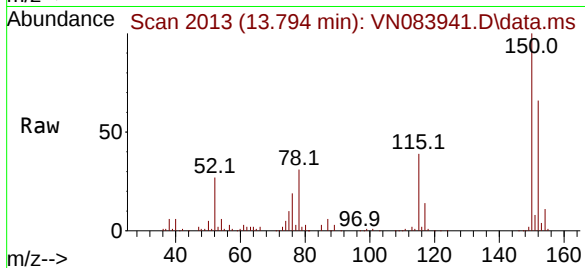




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

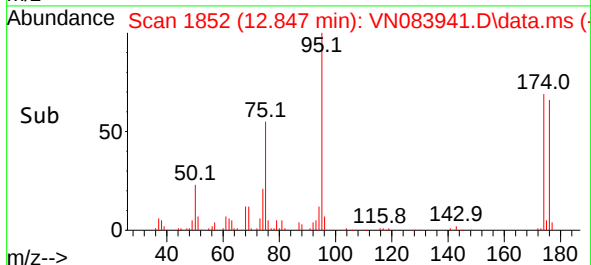
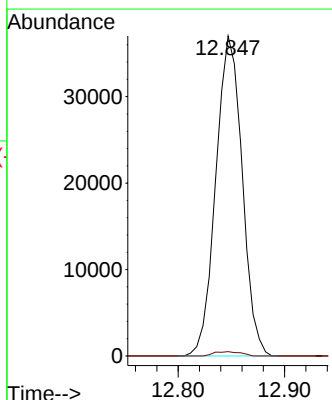
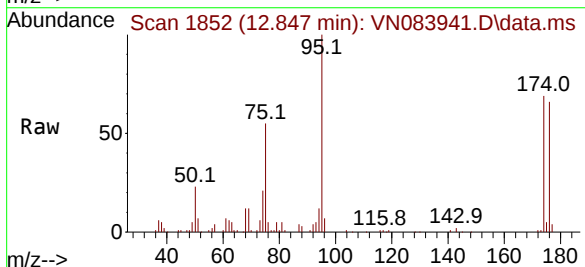
Instrument :
MSVOA_N
ClientSampleId :

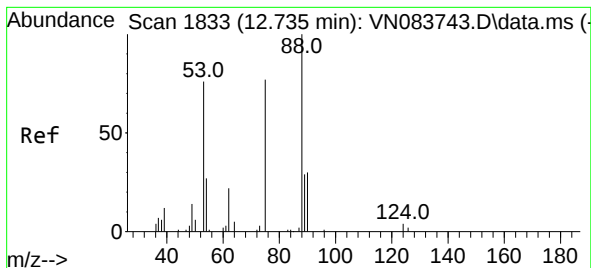
Tgt Ion:152 Resp: 102172
Ion Ratio Lower Upper
152 100
115 62.0 32.2 96.6
150 155.7 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 30.831 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

Tgt Ion: 75 Resp: 63561
Ion Ratio Lower Upper
75 100
77 1.4 95.2 285.6#

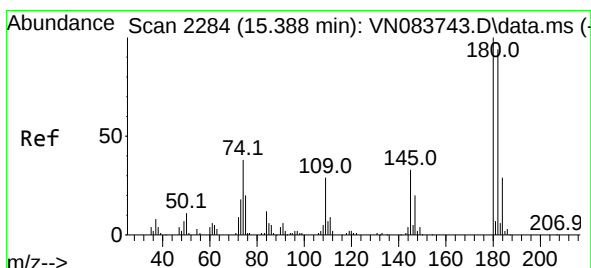
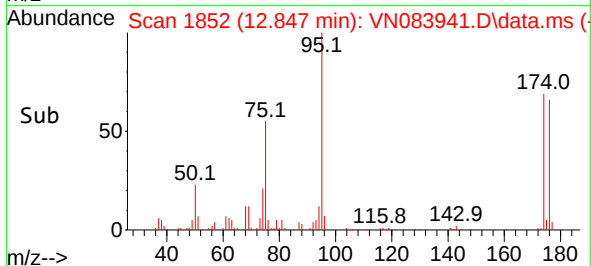
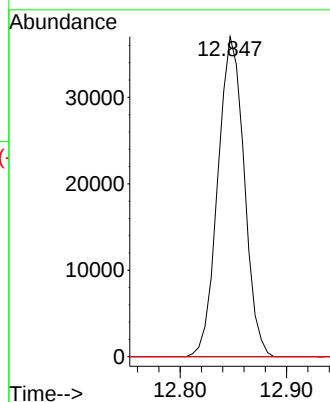
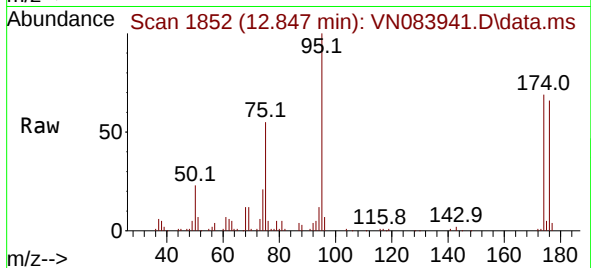




#81
trans-1,4-Dichloro-2-butene
Concen: 80.747 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

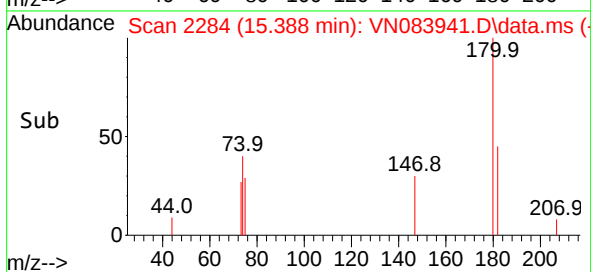
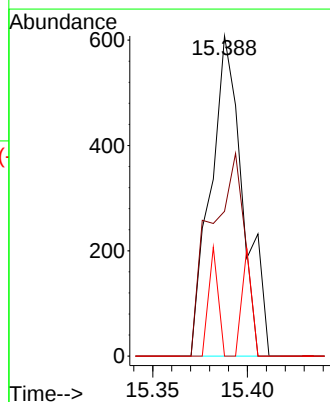
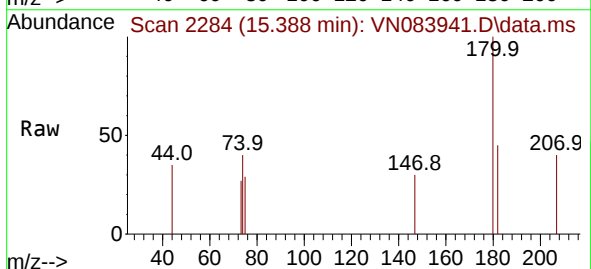
Instrument :
MSVOA_N
ClientSampleId :

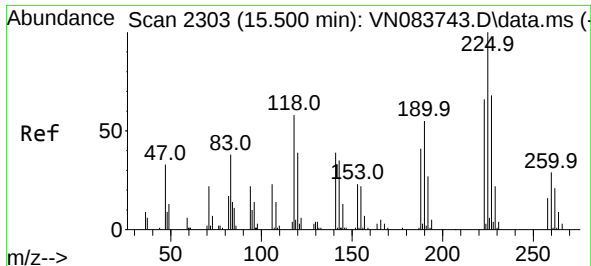
Tgt Ion: 75 Resp: 63561
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.395 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

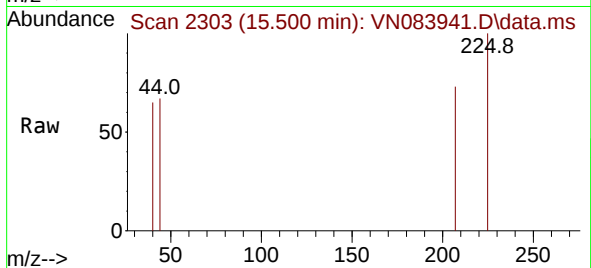
Tgt Ion:180 Resp: 734
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.3#
145 9.9 16.9 50.7#



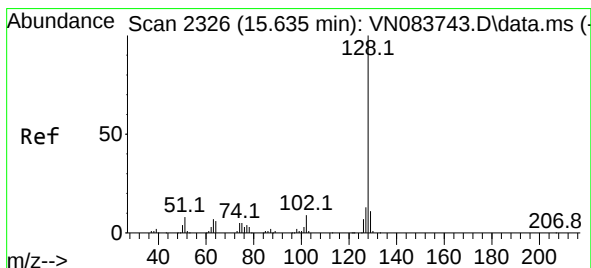
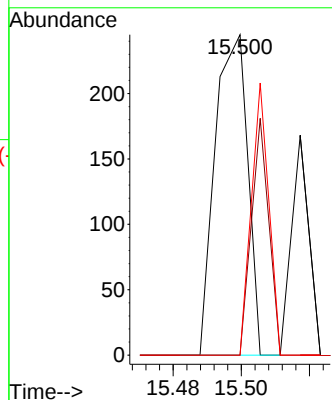
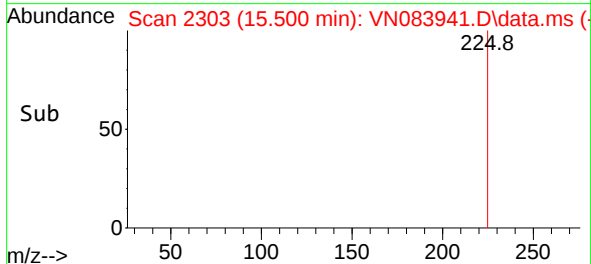


#94
Hexachlorobutadiene
Concen: 0.205 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30

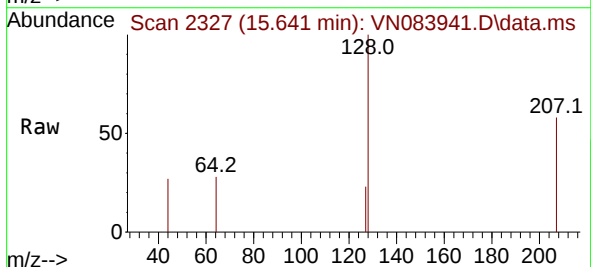
Instrument :
MSVOA_N
ClientSampleId :



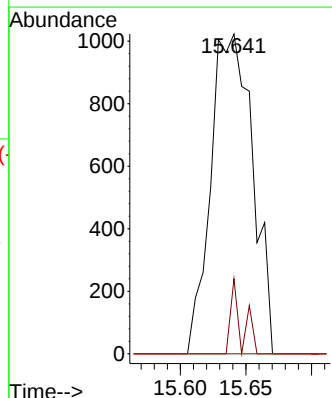
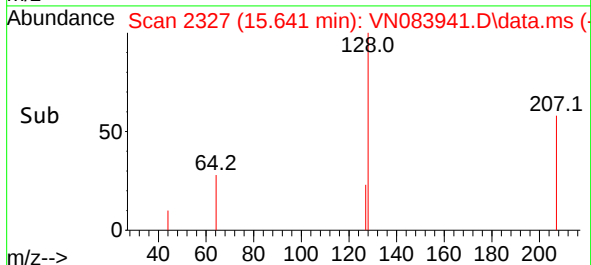
Tgt Ion:225 Resp: 162
Ion Ratio Lower Upper
225 100
223 39.5 31.9 95.5
227 45.1 32.0 96.2

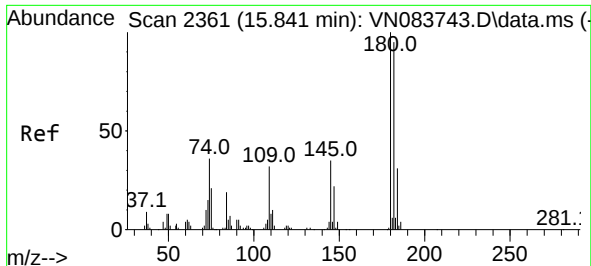


#95
Naphthalene
Concen: 0.401 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN083941.D
Acq: 17 Sep 2024 13:30



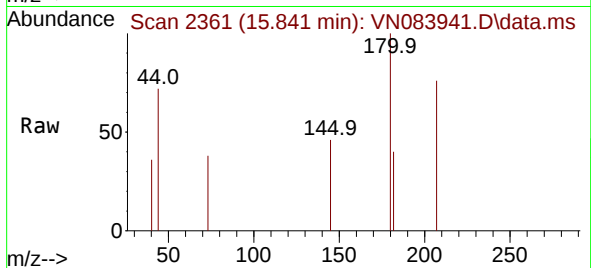
Tgt Ion:128 Resp: 2271
Ion Ratio Lower Upper
128 100
127 6.1 10.2 15.2#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.347 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN083941.D
 Acq: 17 Sep 2024 13:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	616
Ion	Ratio	Lower	Upper
180	100		
182	81.8	47.1	141.4
145	33.3	17.8	53.5

