

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090324\
 Data File : VN083622.D
 Acq On : 03 Sep 2024 13:57
 Operator : JC\MD
 Sample : P3795-03
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 04 02:56:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	147439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	301861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114233	55.437	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.880%	
35) Dibromofluoromethane	8.165	113	93937	51.704	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.400%	
50) Toluene-d8	10.565	98	338211	47.800	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.600%	
62) 4-Bromofluorobenzene	12.847	95	152852	58.320	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 116.640%	

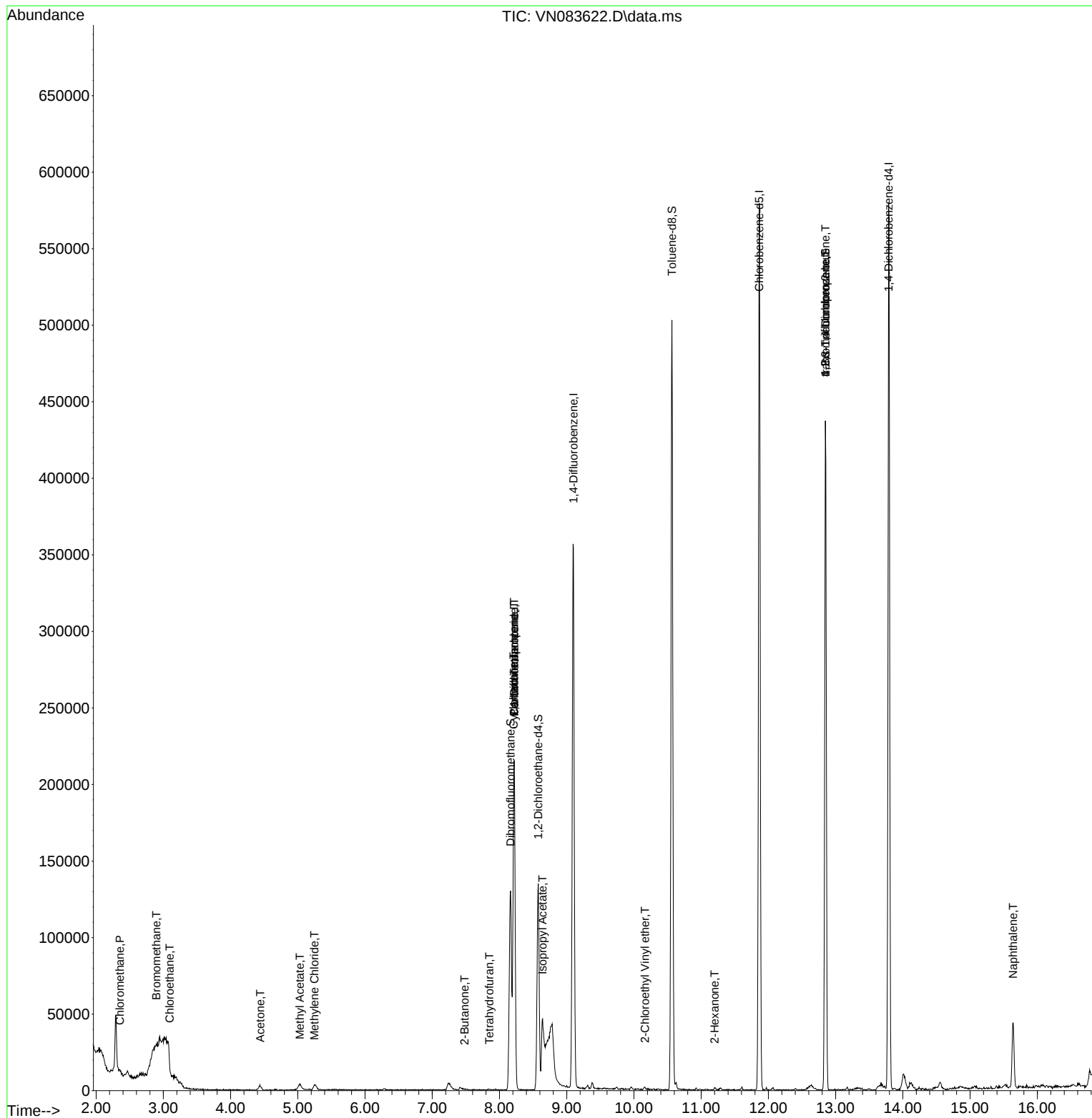
Target Compounds			Qvalue			
3) Chloromethane	2.354	50	791	0.435	ug/l #	78
5) Bromomethane	2.895	94	477	0.499	ug/l	97
6) Chloroethane	3.095	64	1284	1.080	ug/l #	57
16) Acetone	4.442	43	294	0.358	ug/l #	45
18) Methyl Acetate	5.030	43	8748	4.003	ug/l	96
20) Methylene Chloride	5.248	84	2739	1.509	ug/l #	93
25) 2-Butanone	7.483	43	423	0.378	ug/l #	49
29) Tetrahydrofuran	7.847	42	398	0.574	ug/l #	43
31) Cyclohexane	8.212	56	3667	1.150	ug/l #	46
36) 1,1-Dichloropropene	8.218	75	13714	4.949	ug/l #	50
38) Carbon Tetrachloride	8.218	117	17085	5.403	ug/l #	17
43) Isopropyl Acetate	8.641	43	50785	8.189	ug/l #	59
58) 2-Chloroethyl Vinyl ether	10.165	63	940	0.687	ug/l #	72
59) 2-Hexanone	11.200	43	695	0.361	ug/l #	24
76) 1,2,3-Trichloropropane	12.847	75	83759	27.389	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83759	64.599	ug/l #	9
95) Naphthalene	15.641	128	41755	4.262	ug/l	98

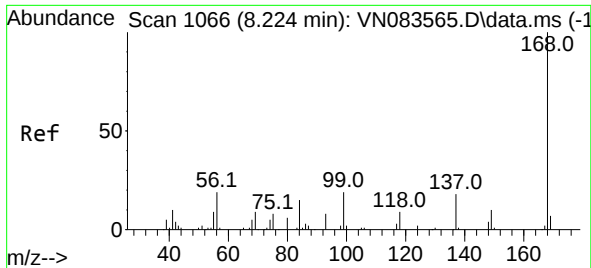
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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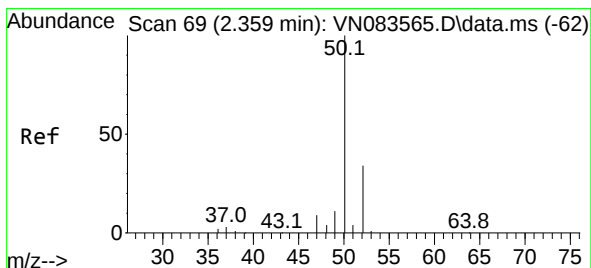
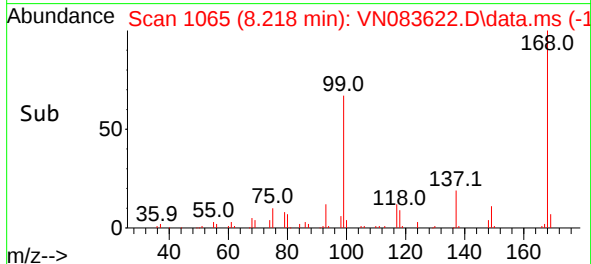
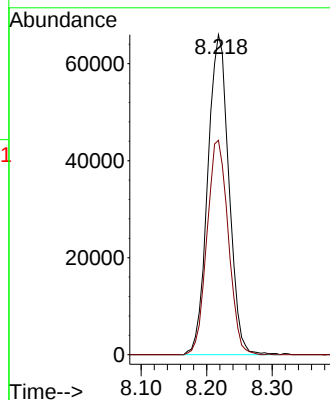
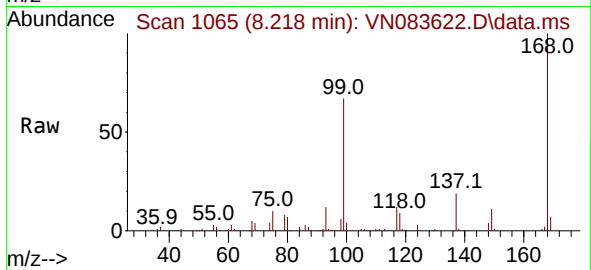




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

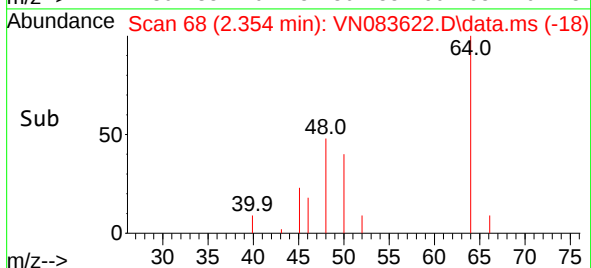
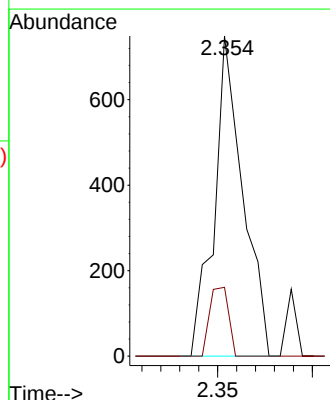
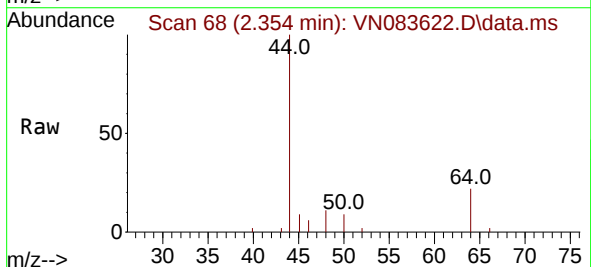
Instrument :
MSVOA_N
ClientSampleId :

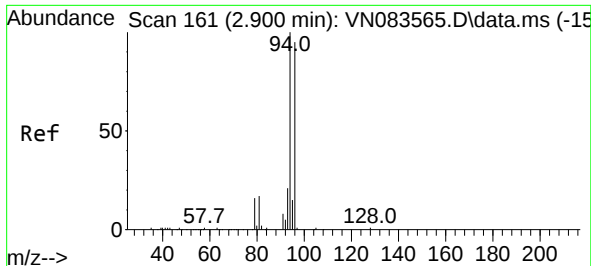
Tgt Ion:168 Resp: 147439
Ion Ratio Lower Upper
168 100
99 67.0 54.2 81.2



#3
Chloromethane
Concen: 0.435 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

Tgt Ion: 50 Resp: 791
Ion Ratio Lower Upper
50 100
52 21.5 27.2 40.8#

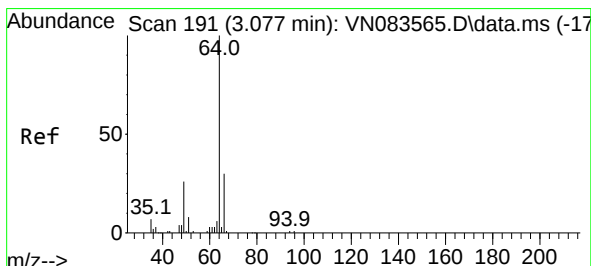
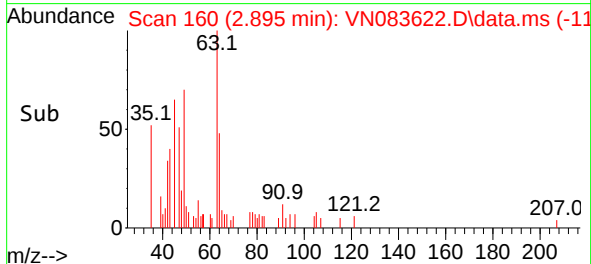
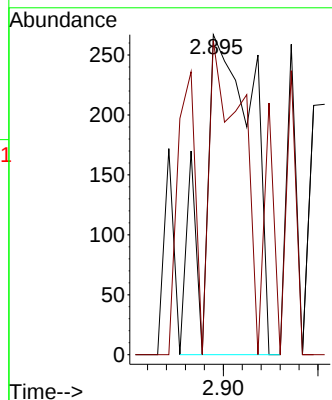
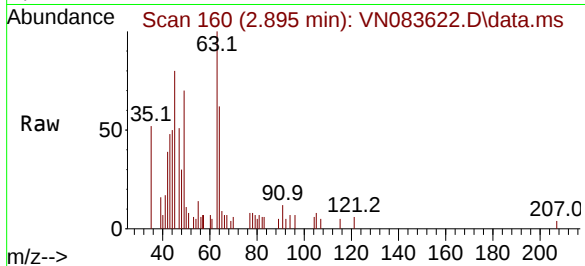




#5
Bromomethane
Concen: 0.499 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

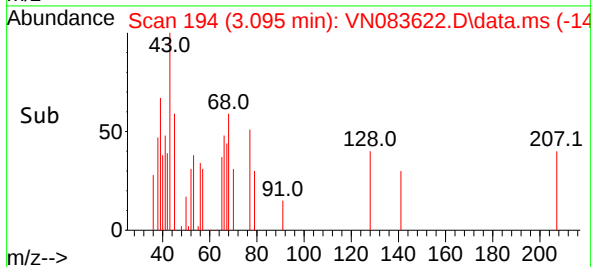
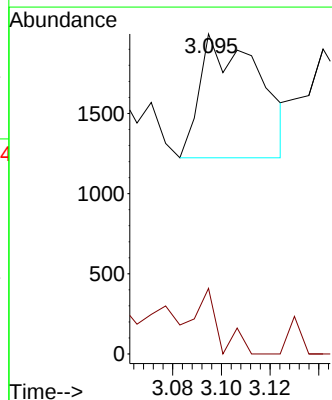
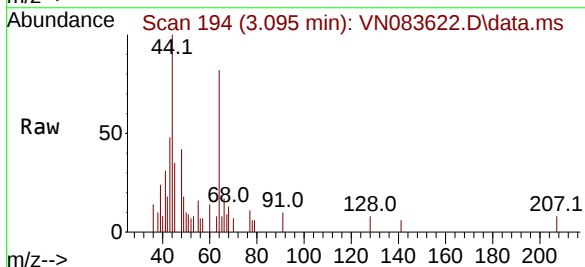
Instrument :
MSVOA_N
ClientSampleId :

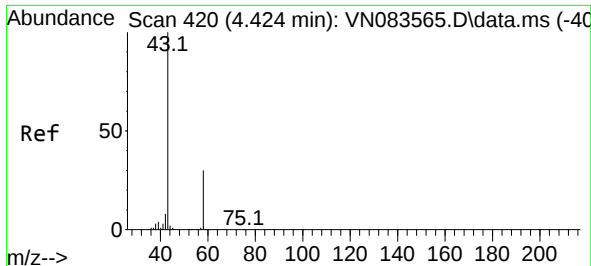
Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 98.1 76.0 114.0



#6
Chloroethane
Concen: 1.080 ug/l
RT: 3.095 min Scan# 194
Delta R.T. 0.018 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

Tgt Ion: 64 Resp: 1284
Ion Ratio Lower Upper
64 100
66 53.0 23.9 35.9#

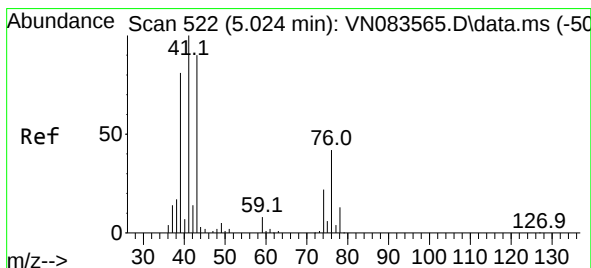
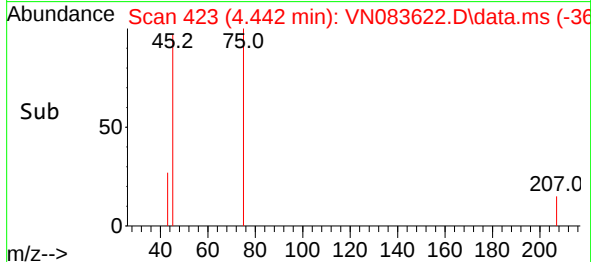
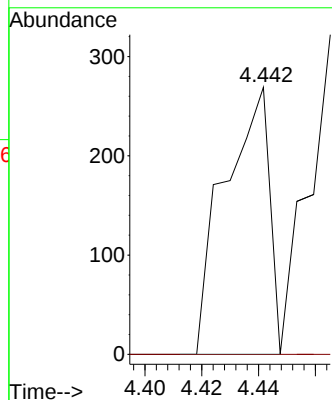
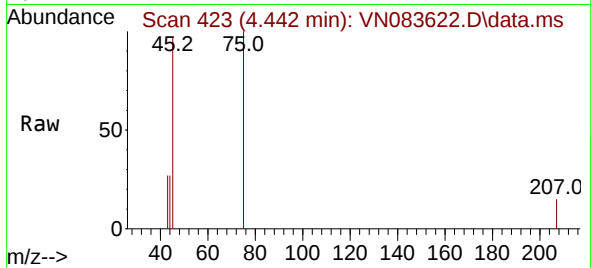




#16
Acetone
Concen: 0.358 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

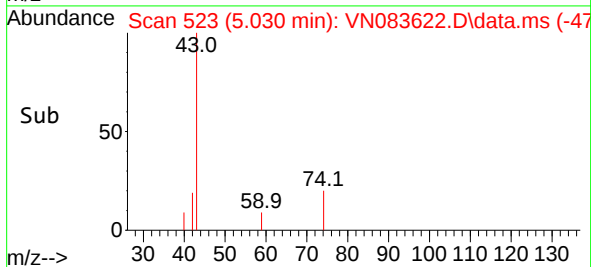
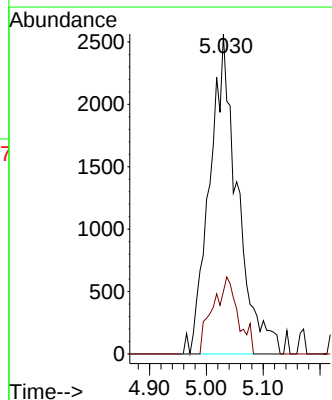
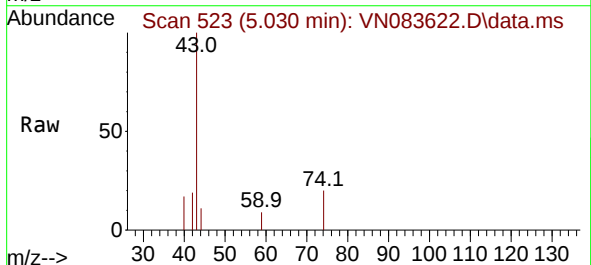
Instrument :
MSVOA_N
ClientSampleId :

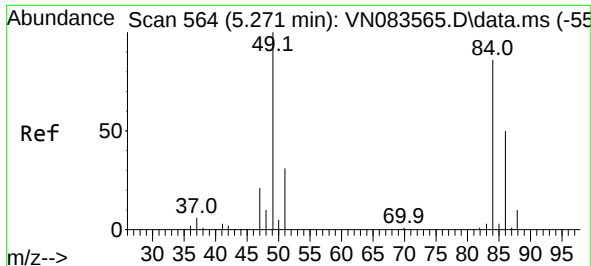
Tgt Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#18
Methyl Acetate
Concen: 4.003 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

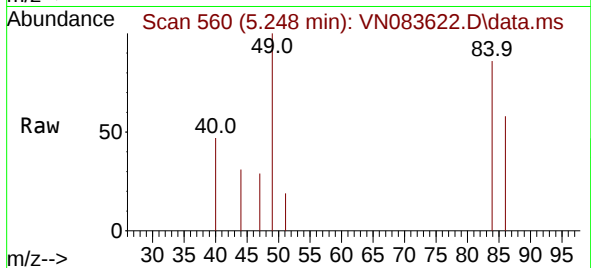
Tgt Ion: 43 Resp: 8748
Ion Ratio Lower Upper
43 100
74 21.7 19.0 28.4



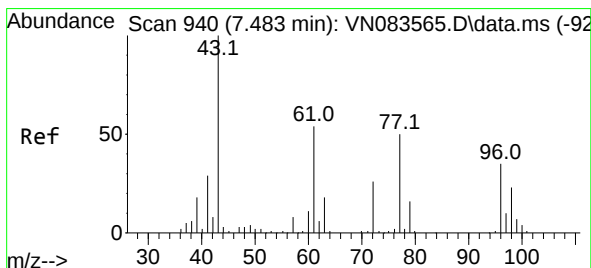
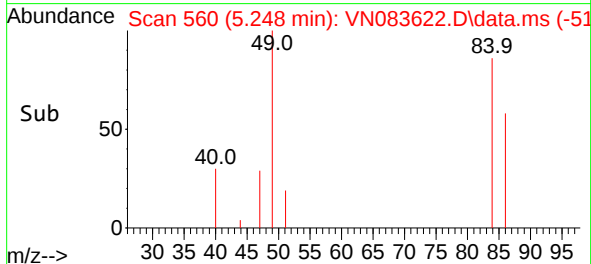
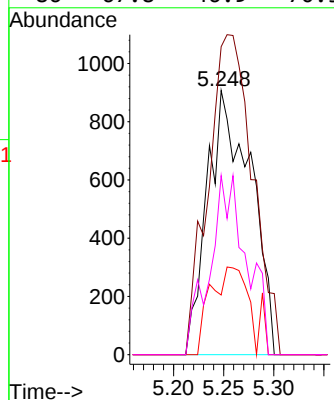


#20
Methylene Chloride
Concen: 1.509 ug/l
RT: 5.248 min Scan# 51
Delta R.T. -0.023 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

Instrument :
MSVOA_N
ClientSampleId :

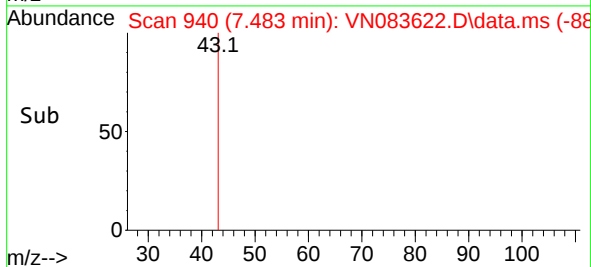
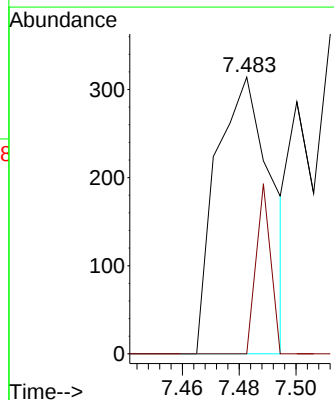
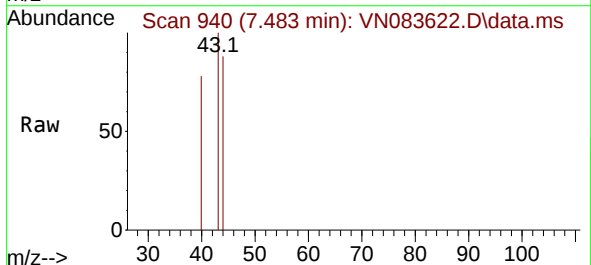


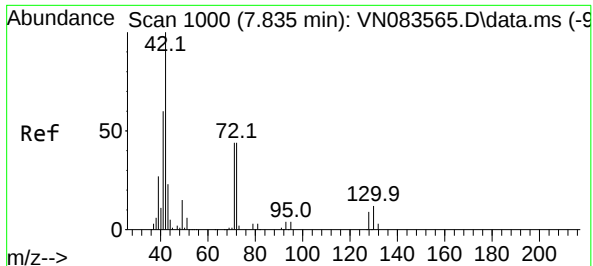
Tgt Ion: 84	Resp: 2739
Ion Ratio	Lower Upper
84 100	
49 116.6	93.4 140.0
51 22.6	29.2 43.8#
86 67.8	46.9 70.3



#25
2-Butanone
Concen: 0.378 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

Tgt Ion: 43	Resp: 423		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	20.8	31.2#	





#29

Tetrahydrofuran

Concen: 0.574 ug/l

RT: 7.847 min Scan# 1064

Delta R.T. 0.012 min

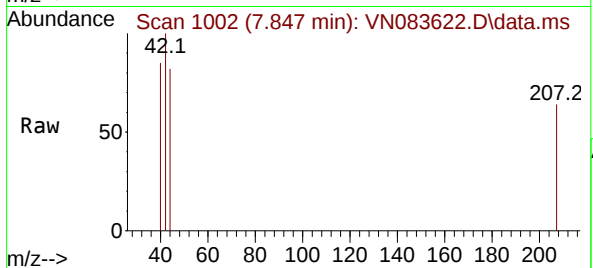
Lab File: VN083622.D

Acq: 03 Sep 2024 13:57

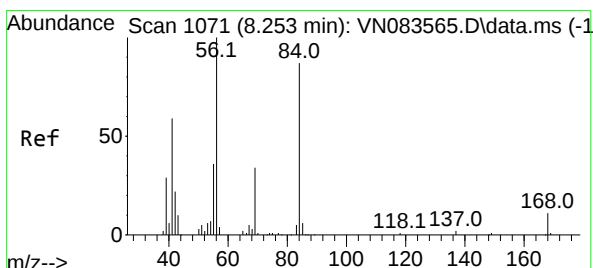
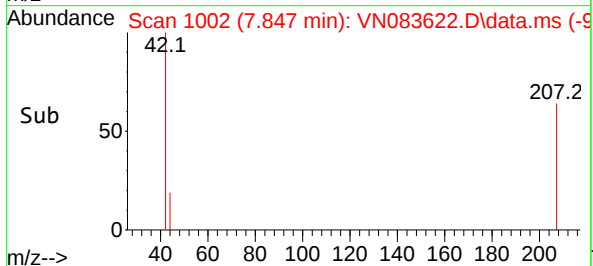
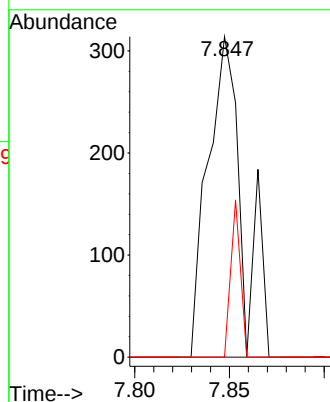
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 398
Ion Ratio	Lower Upper
42	100
72	0.0 35.9 53.9#
71	13.6 33.9 50.9#



#31

Cyclohexane

Concen: 1.150 ug/l

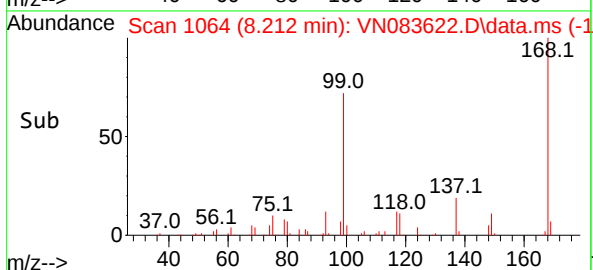
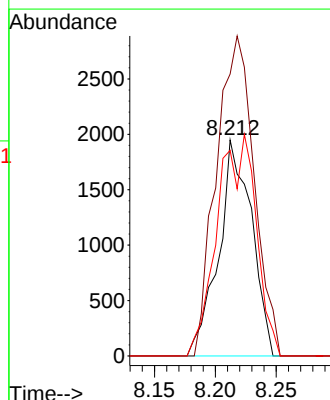
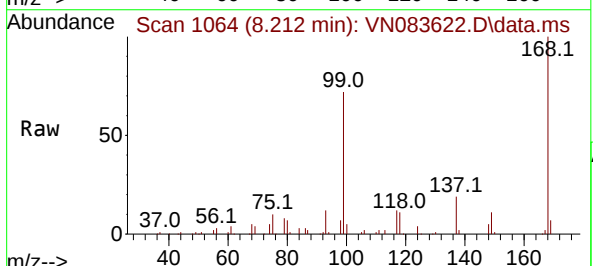
RT: 8.212 min Scan# 1064

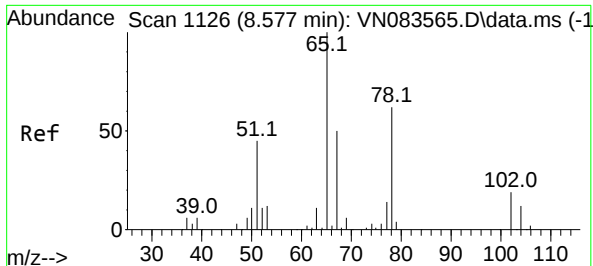
Delta R.T. -0.041 min

Lab File: VN083622.D

Acq: 03 Sep 2024 13:57

Tgt Ion: 56	Resp: 3667
Ion Ratio	Lower Upper
56	100
69	130.5 26.9 40.3#
84	95.1 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 55.437 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083622.D

Acq: 03 Sep 2024 13:57

Instrument :

MSVOA_N

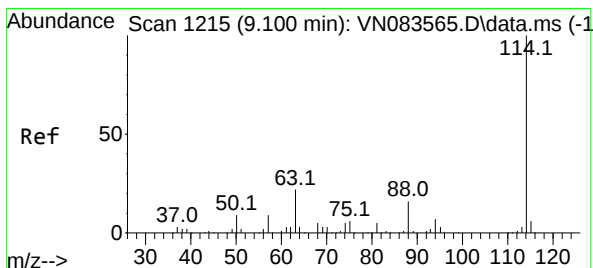
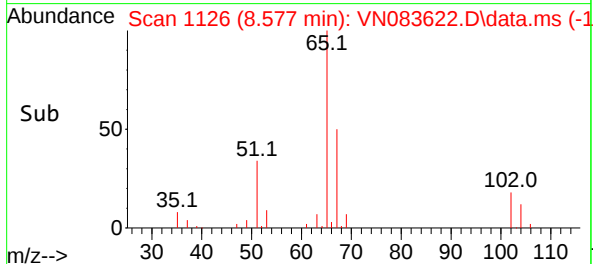
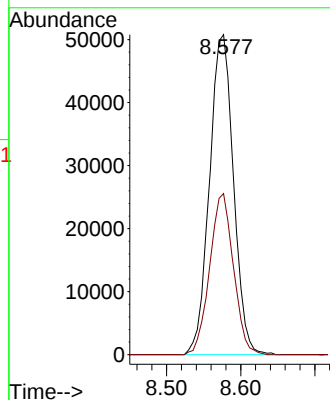
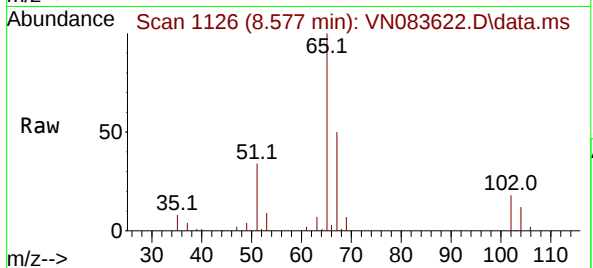
ClientSampleId :

Tgt Ion: 65 Resp: 114233

Ion Ratio Lower Upper

65 100

67 49.8 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: VN083622.D

Acq: 03 Sep 2024 13:57

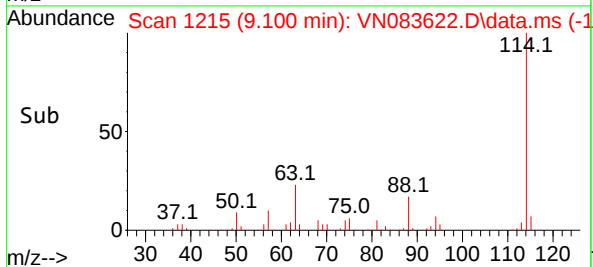
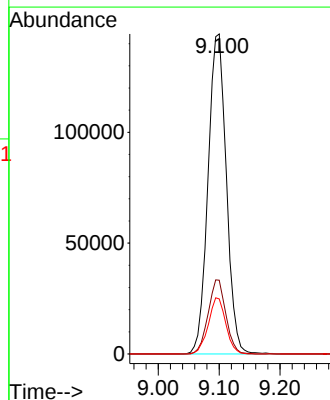
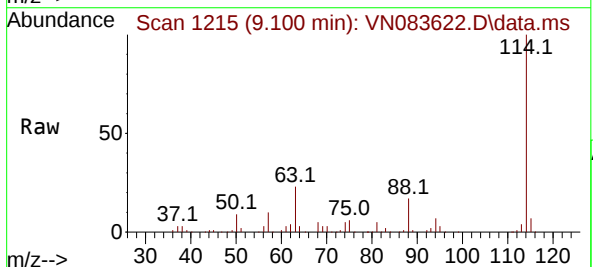
Tgt Ion: 114 Resp: 301861

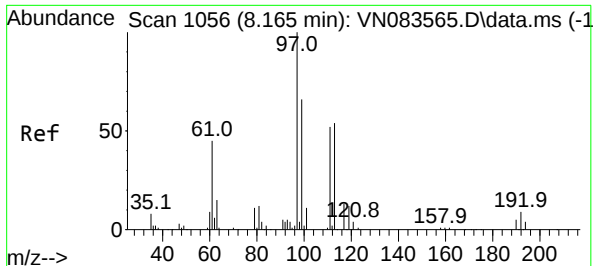
Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.4

88 17.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.704 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083622.D

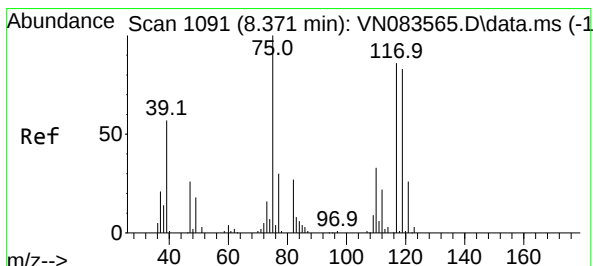
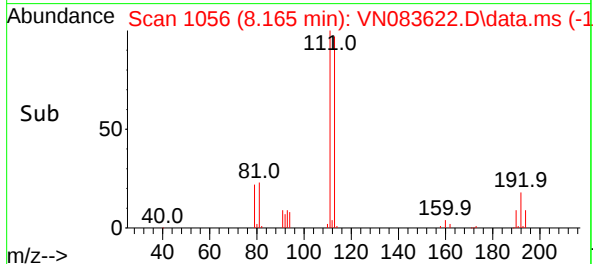
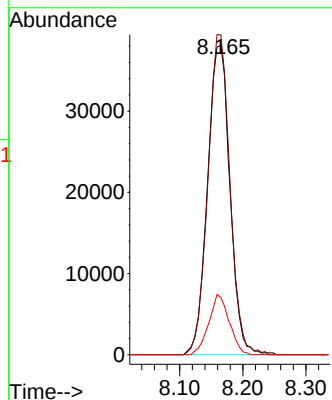
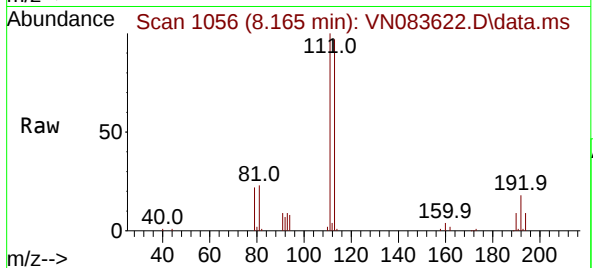
Acq: 03 Sep 2024 13:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	113	Resp:	93937
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	124.0
192	17.7	14.3	21.5



#36

1,1-Dichloropropene

Concen: 4.949 ug/l

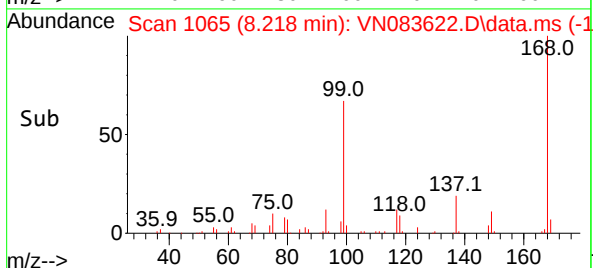
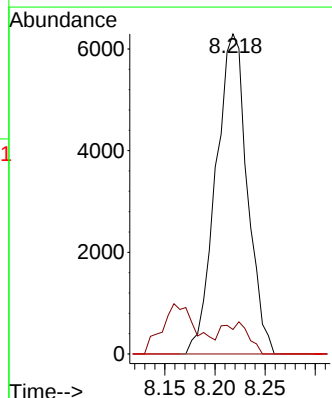
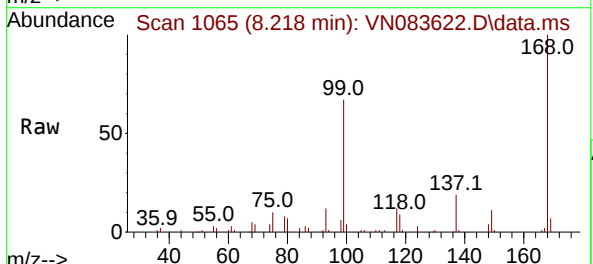
RT: 8.218 min Scan# 1065

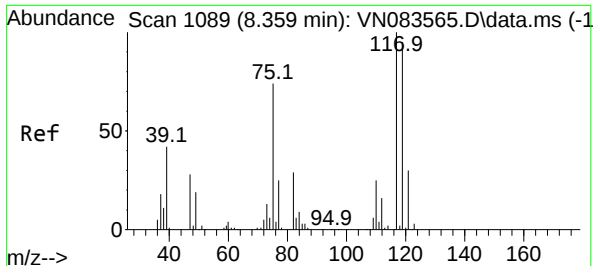
Delta R.T. -0.153 min

Lab File: VN083622.D

Acq: 03 Sep 2024 13:57

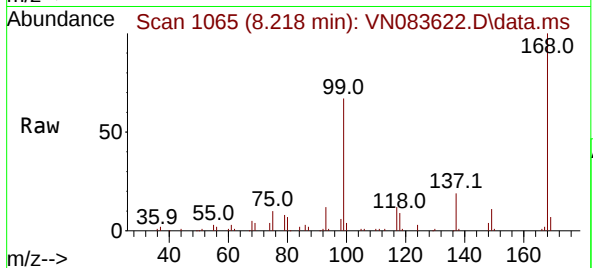
Tgt Ion:	75	Resp:	13714
Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.7	50.1#
77	0.0	25.2	37.8#



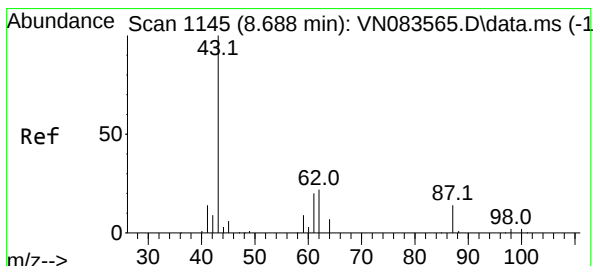
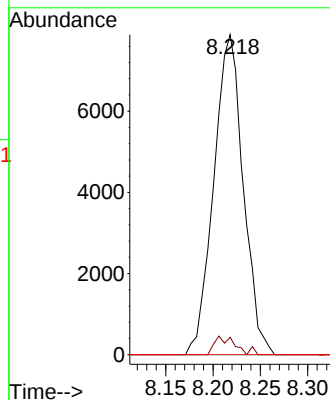
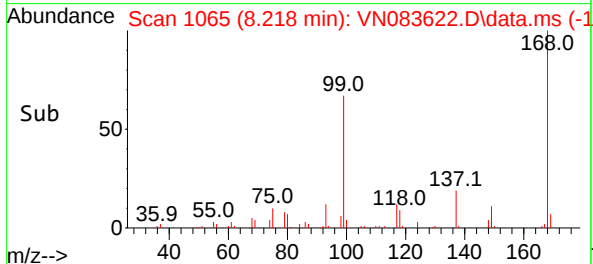


#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 8.218 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

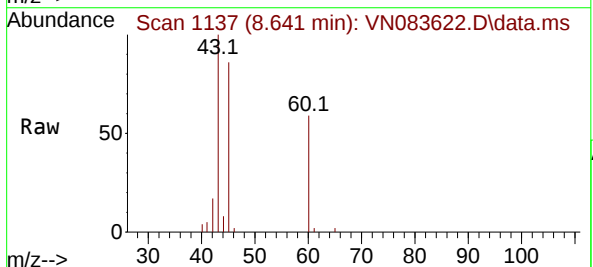
Instrument :
MSVOA_N
ClientSampleId :



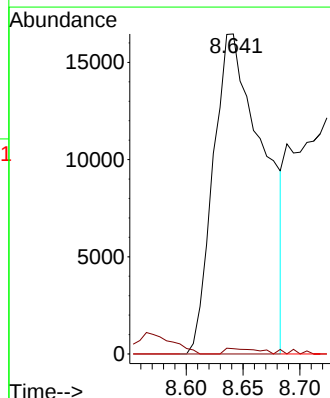
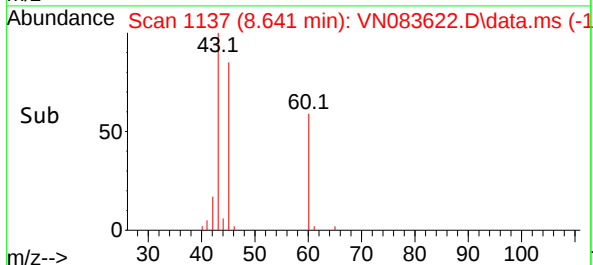
Tgt Ion:117 Resp: 17085
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.1 36.1#

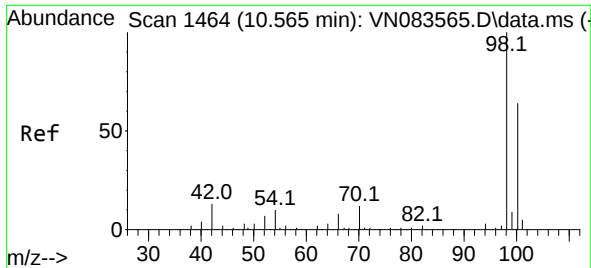


#43
Isopropyl Acetate
Concen: 8.189 ug/l
RT: 8.641 min Scan# 1137
Delta R.T. -0.047 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57



Tgt Ion: 43 Resp: 50785
Ion Ratio Lower Upper
43 100
61 1.1 19.4 29.0#
87 0.0 9.8 14.6#

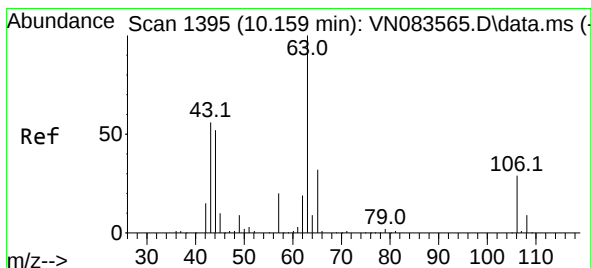
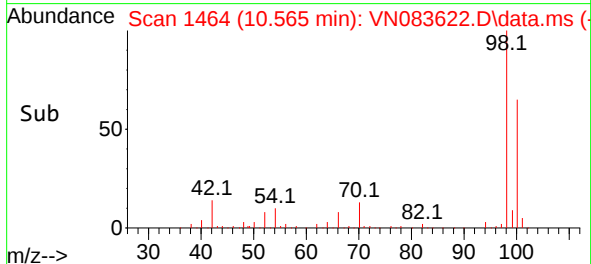
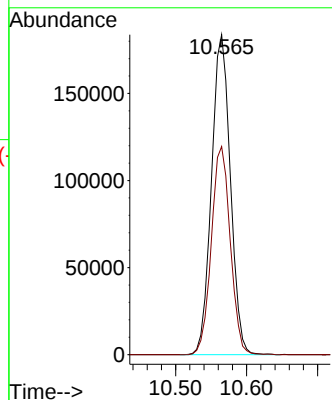
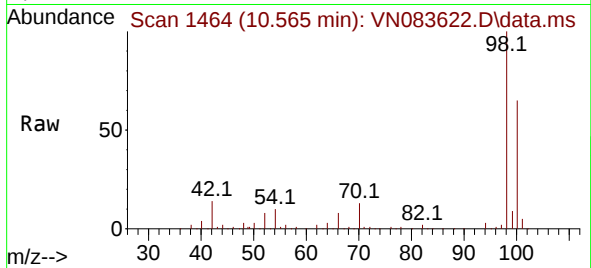




#50
Toluene-d8
Concen: 47.800 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

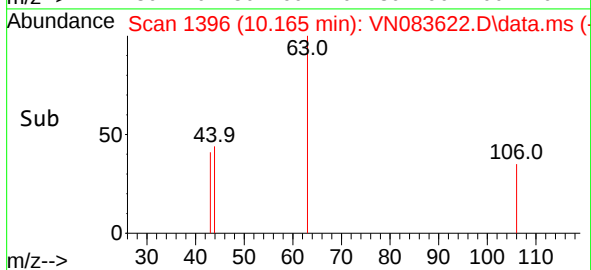
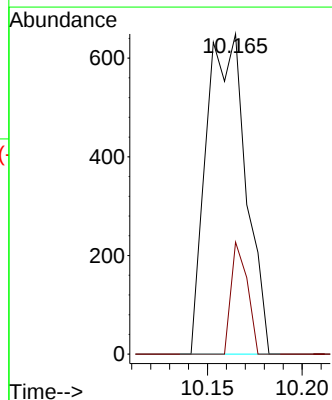
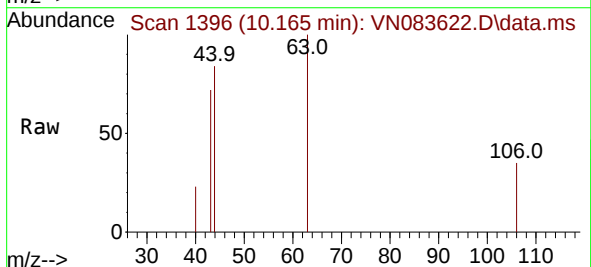
Instrument :
MSVOA_N
ClientSampleId :

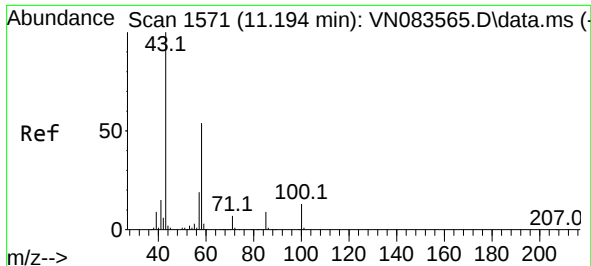
Tgt Ion: 98 Resp: 338211
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#58
2-Chloroethyl Vinyl ether
Concen: 0.687 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

Tgt Ion: 63 Resp: 940
Ion Ratio Lower Upper
63 100
106 14.4 23.3 34.9#

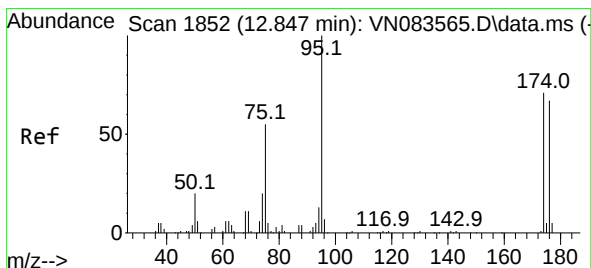
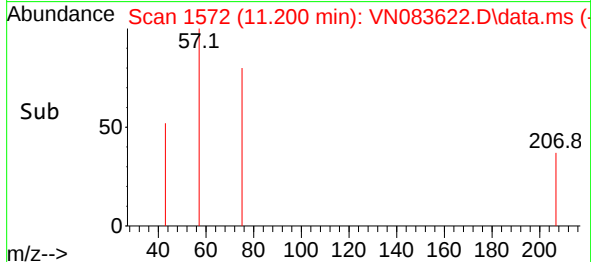
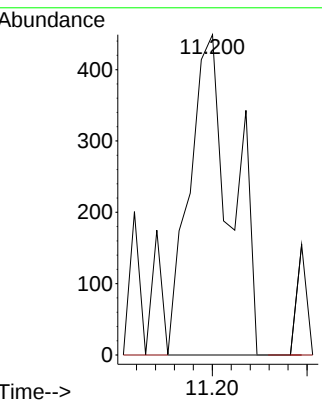
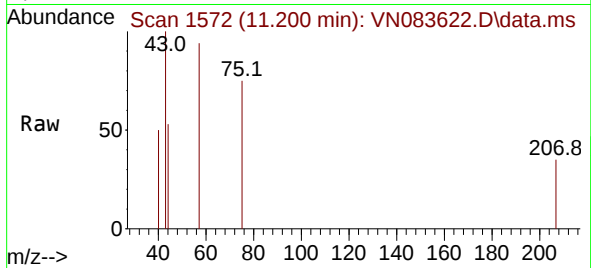




#59
2-Hexanone
Concen: 0.361 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

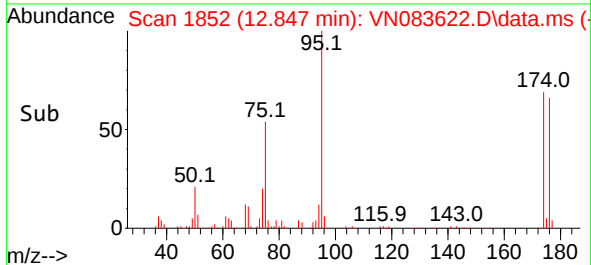
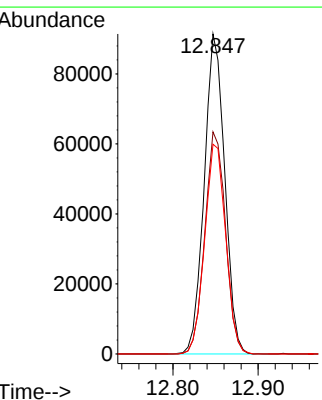
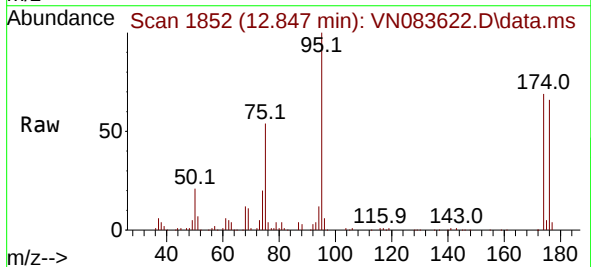
Instrument :
MSVOA_N
ClientSampleId :

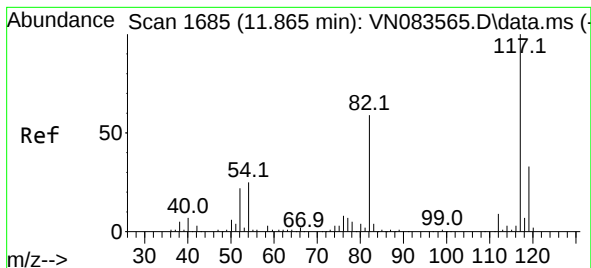
Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 58.320 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

Tgt Ion: 95 Resp: 152852
Ion Ratio Lower Upper
95 100
174 69.9 0.0 139.8
176 67.5 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083622.D

Acq: 03 Sep 2024 13:57

Instrument :

MSVOA_N

ClientSampleId :

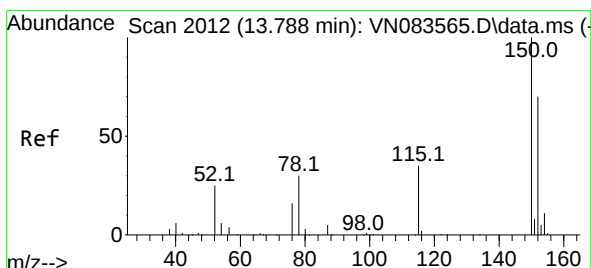
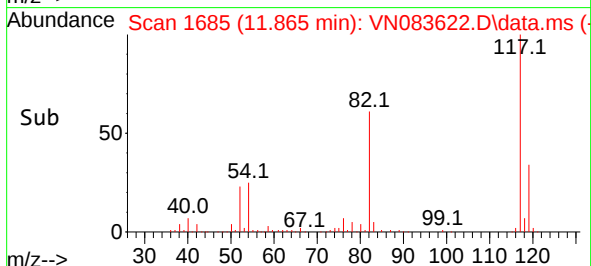
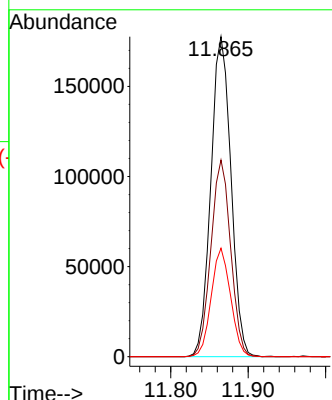
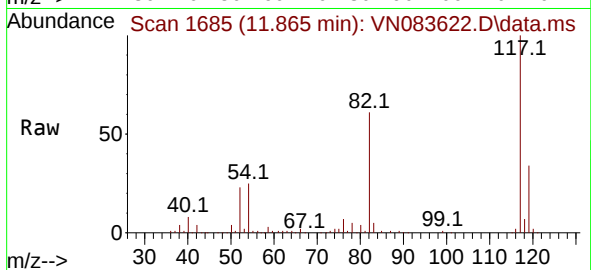
Tgt Ion:117 Resp: 320391

Ion Ratio Lower Upper

117 100

82 61.4 47.4 71.0

119 33.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN083622.D

Acq: 03 Sep 2024 13:57

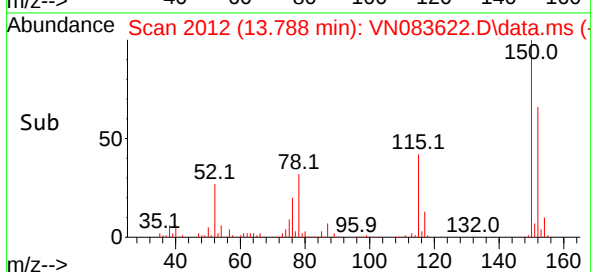
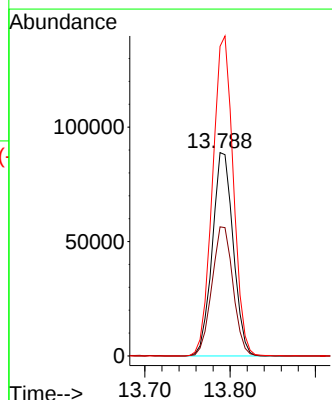
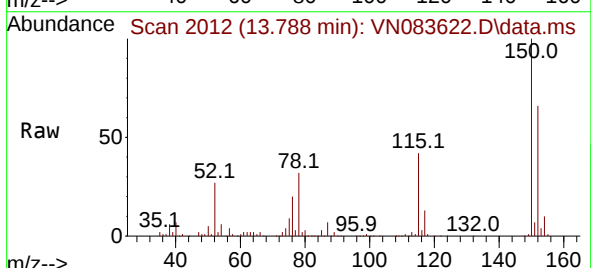
Tgt Ion:152 Resp: 151469

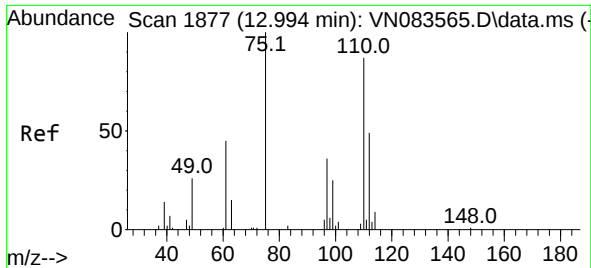
Ion Ratio Lower Upper

152 100

115 64.1 32.2 96.6

150 156.3 0.0 348.6

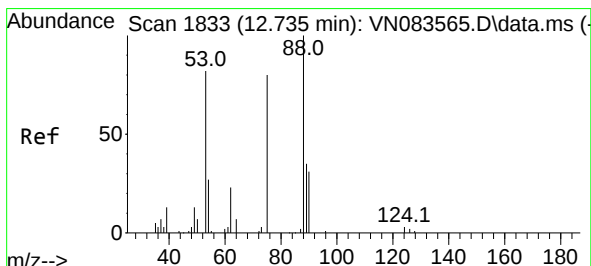
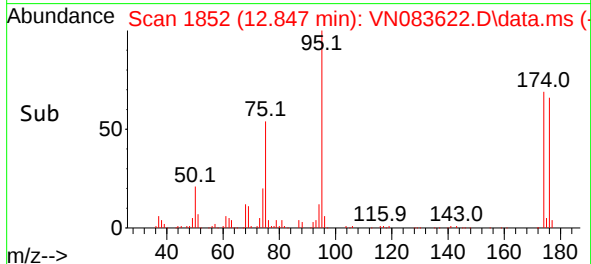
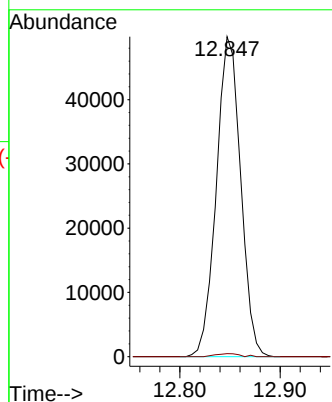
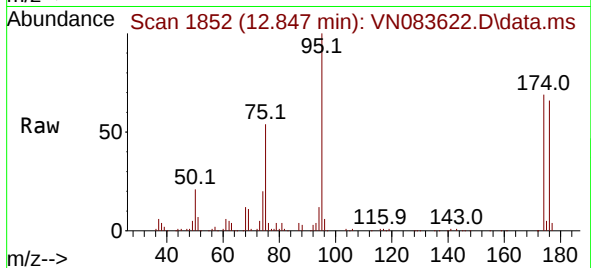




#76
1,2,3-Trichloropropane
Concen: 27.389 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

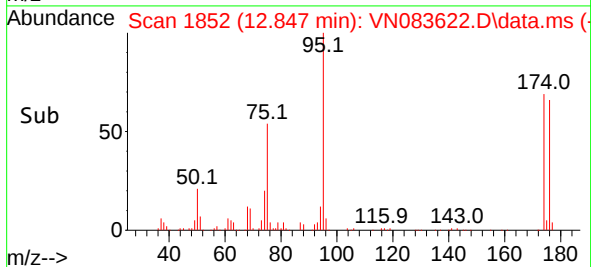
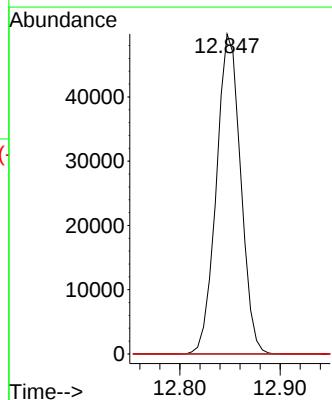
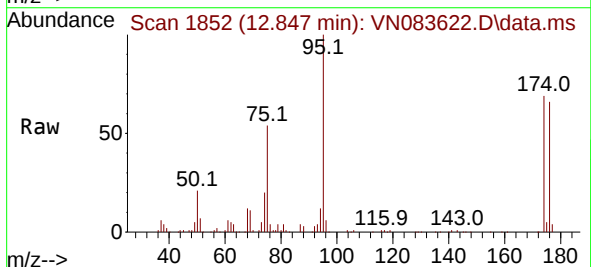
Instrument :
MSVOA_N
ClientSampleId :

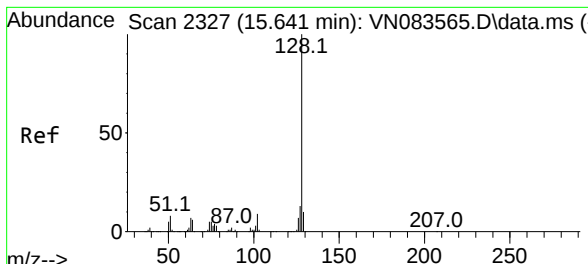
Tgt Ion: 75 Resp: 83759
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.599 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083622.D
Acq: 03 Sep 2024 13:57

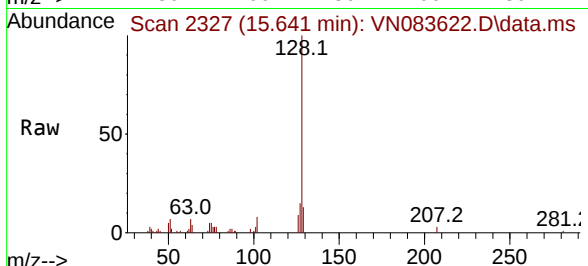
Tgt Ion: 75 Resp: 83759
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#95
 Naphthalene
 Concen: 4.262 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN083622.D
 Acq: 03 Sep 2024 13:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	41755
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.2
129	11.5	8.7	13.1

