

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081024\
 Data File : VN083217.D
 Acq On : 10 Aug 2024 18:59
 Operator : JC\MD
 Sample : P3430-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 12 01:56:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

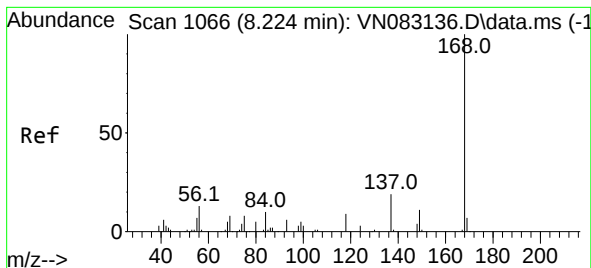
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	134468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115708	60.453	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.900%	
35) Dibromofluoromethane	8.171	113	88909	55.399	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.800%	
50) Toluene-d8	10.565	98	340326	56.848	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.700%#	
62) 4-Bromofluorobenzene	12.847	95	143039	61.287	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 122.580%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.083	85	549	0.360	ug/l #	43
3) Chloromethane	2.365	50	372	0.238	ug/l #	43
4) Vinyl Chloride	2.512	62	6250	3.923	ug/l	98
6) Chloroethane	3.101	64	214	0.215	ug/l #	41
16) Acetone	4.442	43	3688	4.924	ug/l	97
25) 2-Butanone	7.494	43	1495	1.300	ug/l #	53
27) cis-1,2-Dichloroethene	7.489	96	2808	1.510	ug/l	38
29) Tetrahydrofuran	7.841	42	4401	5.920	ug/l #	90
31) Cyclohexane	8.224	56	3562	1.256	ug/l #	25
36) 1,1-Dichloropropene	8.230	75	12700	5.231	ug/l #	51
37) Ethyl Acetate	7.494	43	1495	0.550	ug/l #	1
38) Carbon Tetrachloride	8.224	117	15855	5.798	ug/l #	17
41) Methacrylonitrile	7.841	41	2870	1.857	ug/l #	51
43) Isopropyl Acetate	8.741	43	961	Below Cal	#	60
44) Trichloroethene	9.359	130	501	0.291	ug/l	85
52) Toluene	10.629	92	2938	0.643	ug/l	94
71) Bromoform	12.847	173	644	0.407	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	79201	30.298	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79201	65.906	ug/l #	6

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

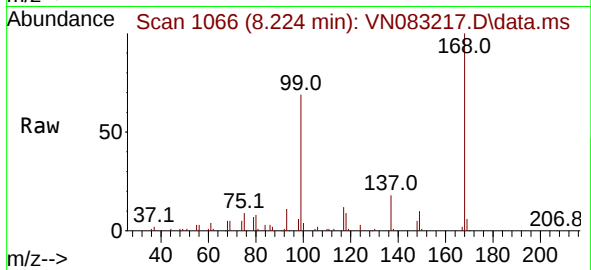
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Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration



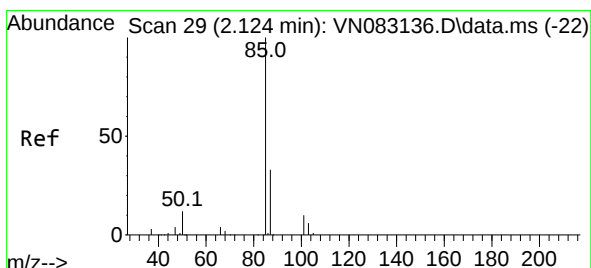
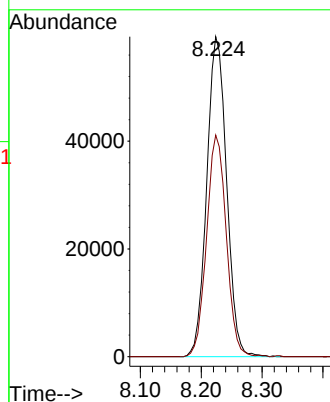
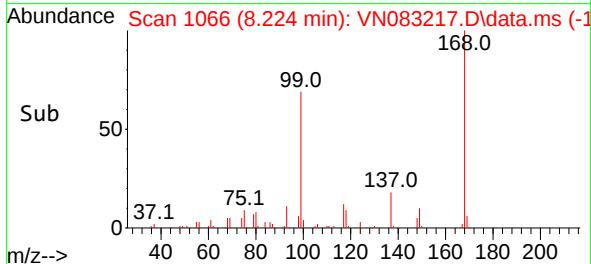


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

Instrument :
MSVOA_N
ClientSampleId :

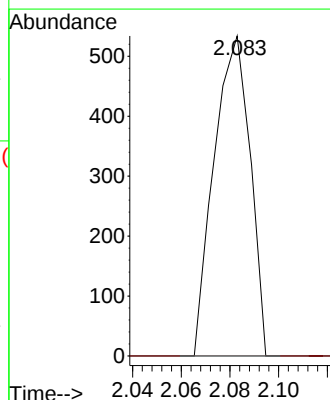
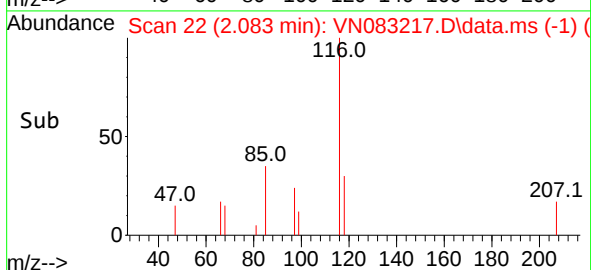
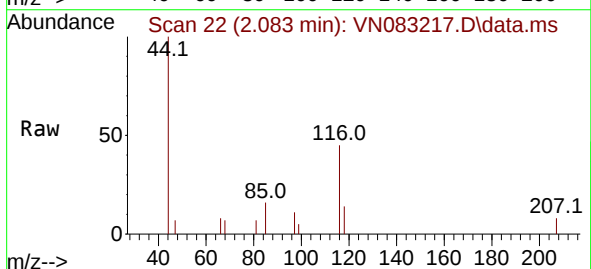


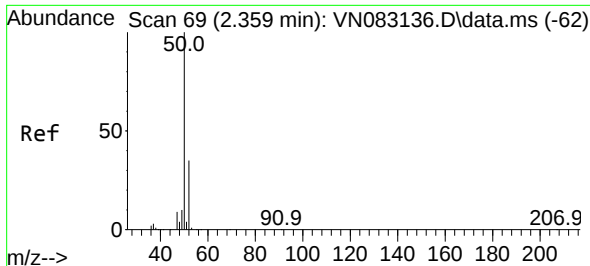
Tgt Ion:168 Resp: 134468
Ion Ratio Lower Upper
168 100
99 69.3 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.360 ug/l
RT: 2.083 min Scan# 22
Delta R.T. -0.041 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

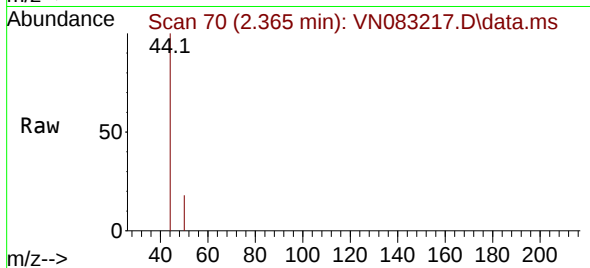
Tgt Ion: 85 Resp: 549
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#



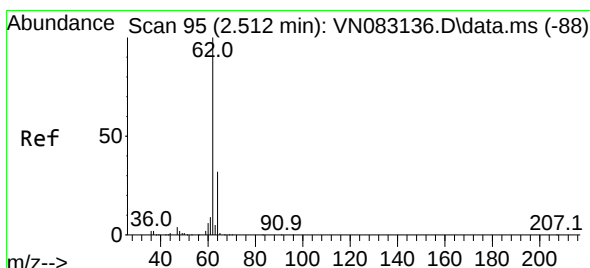
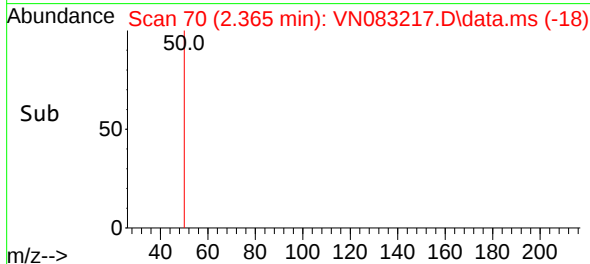
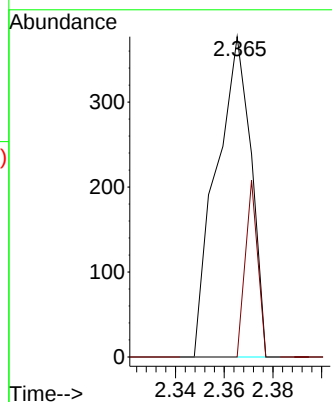


#3
Chloromethane
Concen: 0.238 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

Instrument :
MSVOA_N
ClientSampleId :

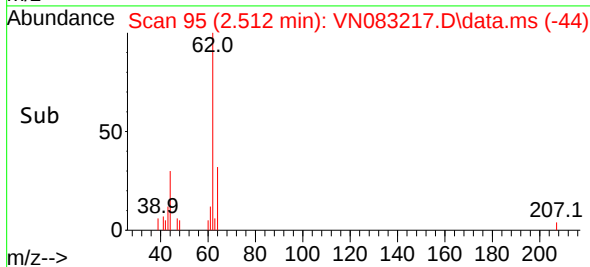
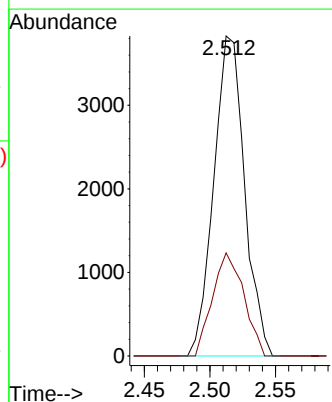
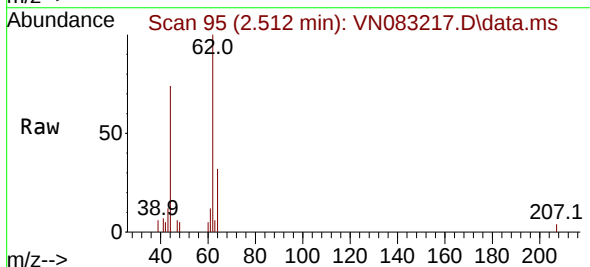


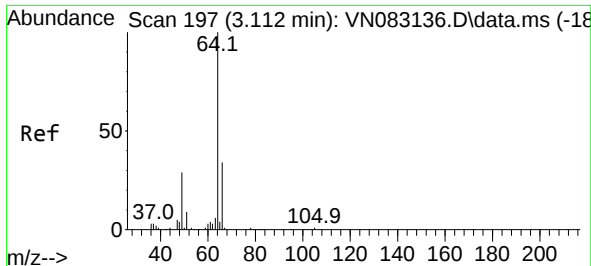
Tgt Ion: 50 Resp: 372
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#4
Vinyl Chloride
Concen: 3.923 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

Tgt Ion: 62 Resp: 6250
Ion Ratio Lower Upper
62 100
64 32.2 25.0 37.6

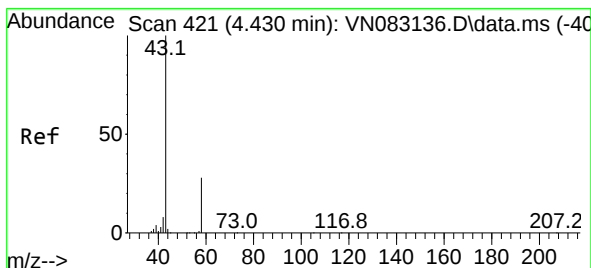
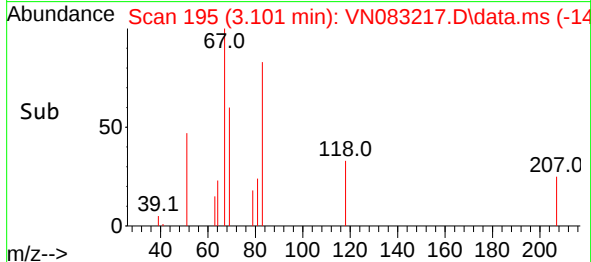
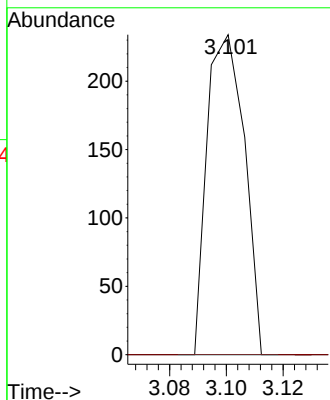
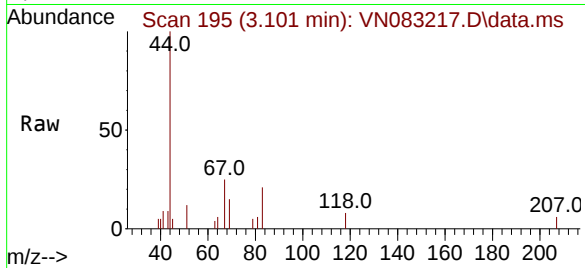




#6
Chloroethane
Concen: 0.215 ug/l
RT: 3.101 min Scan# 195
Delta R.T. -0.012 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

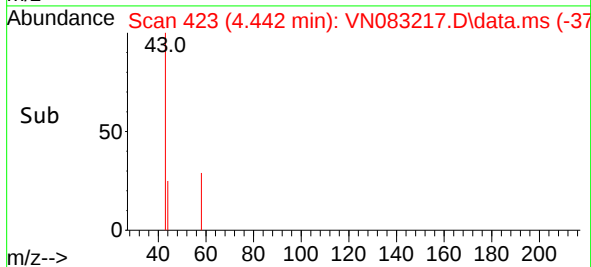
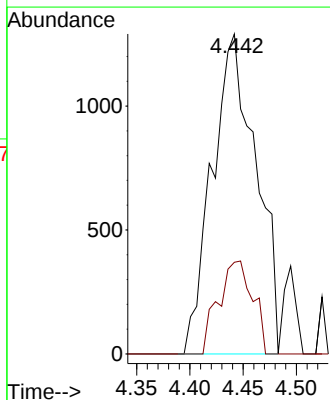
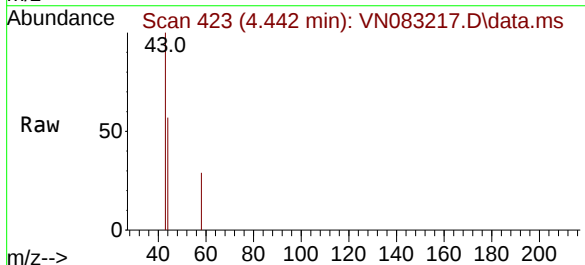
Instrument :
MSVOA_N
ClientSampleId :

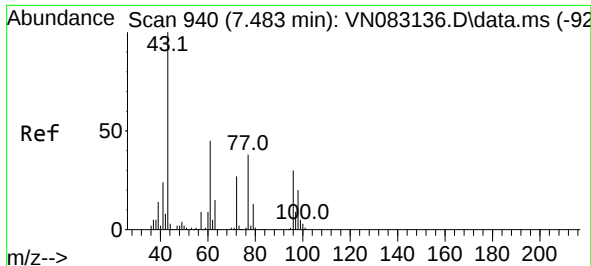
Tgt Ion: 64 Resp: 214
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#16
Acetone
Concen: 4.924 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

Tgt Ion: 43 Resp: 3688
Ion Ratio Lower Upper
43 100
58 28.7 21.8 32.6

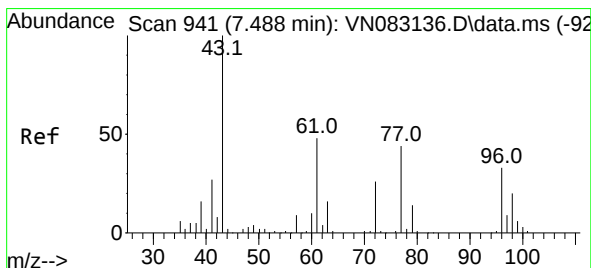
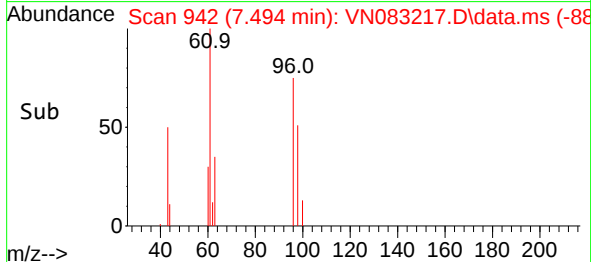
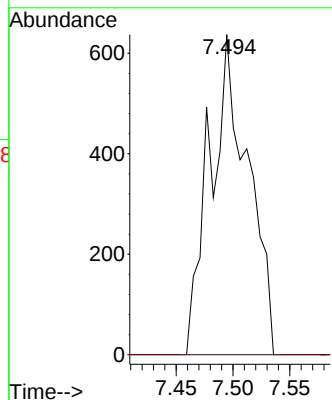
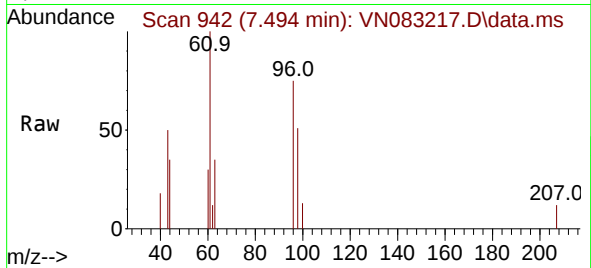




#25
2-Butanone
Concen: 1.300 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

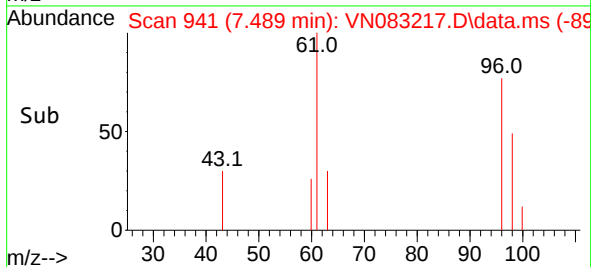
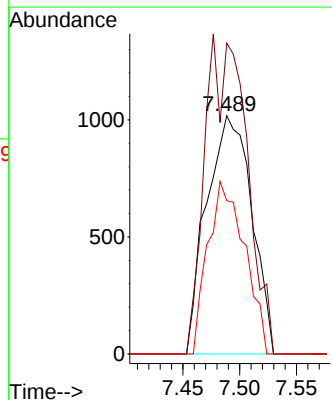
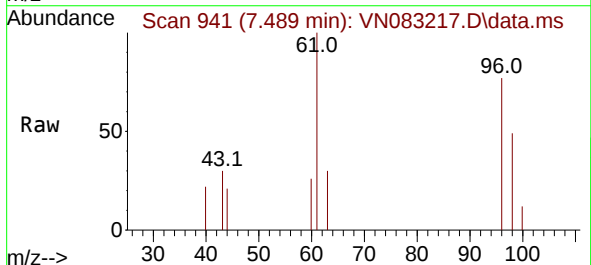
Instrument :
MSVOA_N
ClientSampleId :

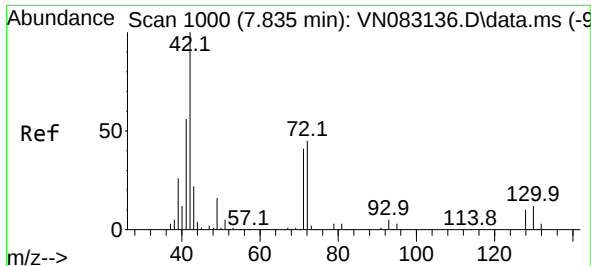
Tgt Ion: 43 Resp: 1495
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#



#27
cis-1,2-Dichloroethene
Concen: 1.510 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

Tgt Ion: 96 Resp: 2808
Ion Ratio Lower Upper
96 100
61 52.2 0.0 329.6
98 59.2 0.0 128.6





#29

Tetrahydrofuran

Concen: 5.920 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

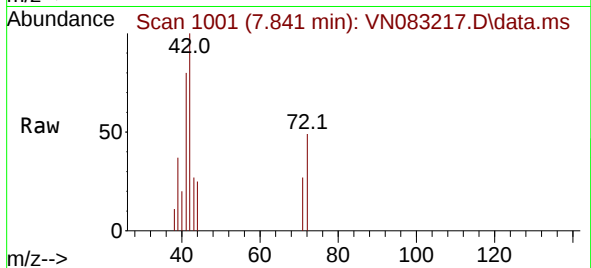
Lab File: VN083217.D

Acq: 10 Aug 2024 18:59

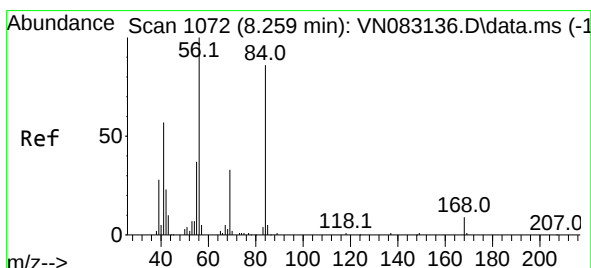
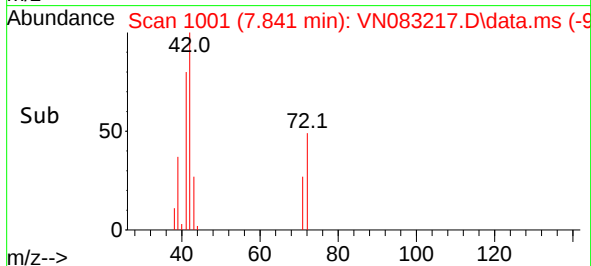
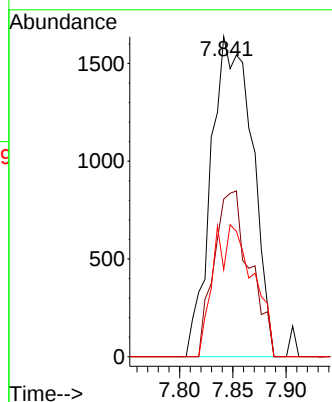
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	4401
Ion	Ratio	Lower	Upper
42	100		
72	45.0	30.0	45.0#
71	39.6	28.3	42.5



#31

Cyclohexane

Concen: 1.256 ug/l

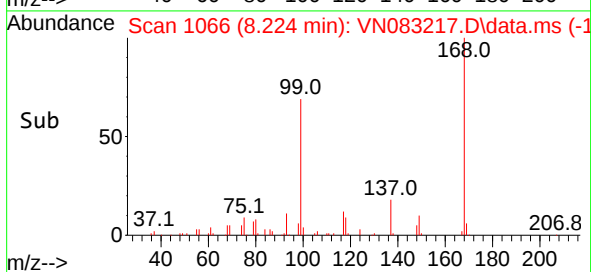
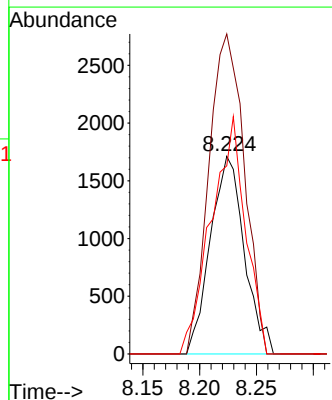
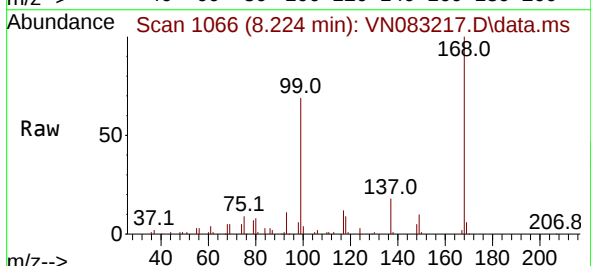
RT: 8.224 min Scan# 1066

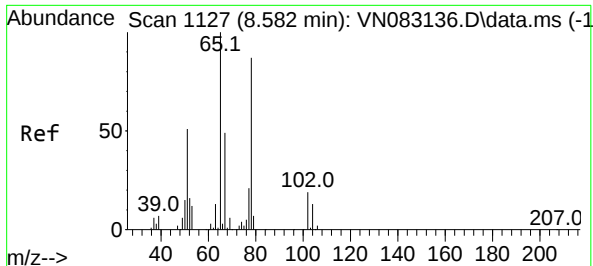
Delta R.T. -0.035 min

Lab File: VN083217.D

Acq: 10 Aug 2024 18:59

Tgt Ion:	56	Resp:	3562
Ion	Ratio	Lower	Upper
56	100		
69	161.9	24.5	36.7#
84	95.2	66.0	99.0





#33

1,2-Dichloroethane-d4

Concen: 60.453 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN083217.D

Acq: 10 Aug 2024 18:59

Instrument :

MSVOA_N

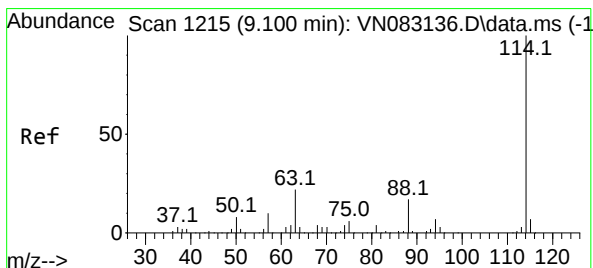
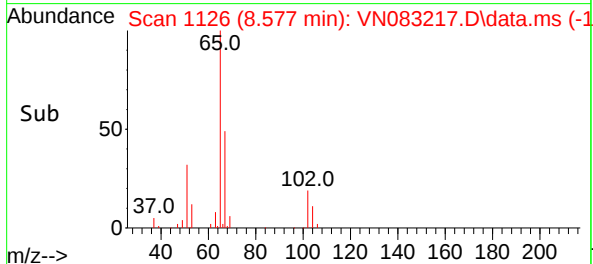
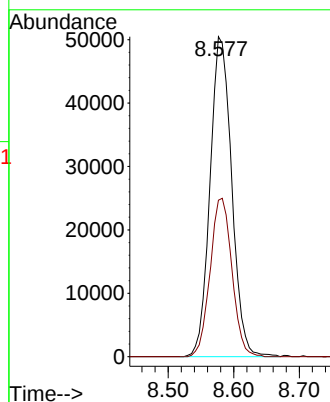
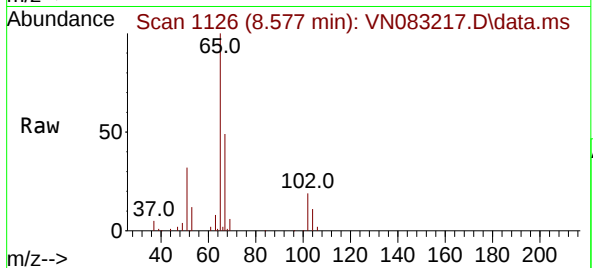
ClientSampleId :

Tgt Ion: 65 Resp: 115708

Ion Ratio Lower Upper

65 100

67 49.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083217.D

Acq: 10 Aug 2024 18:59

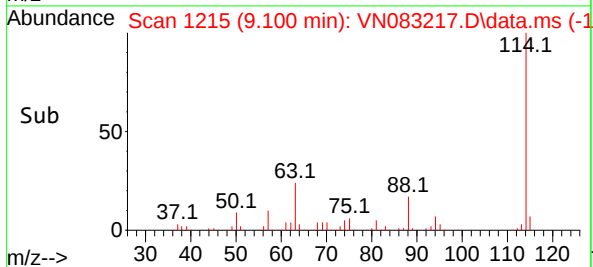
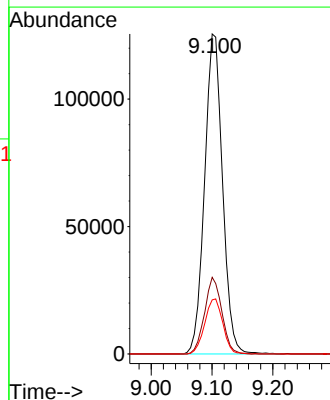
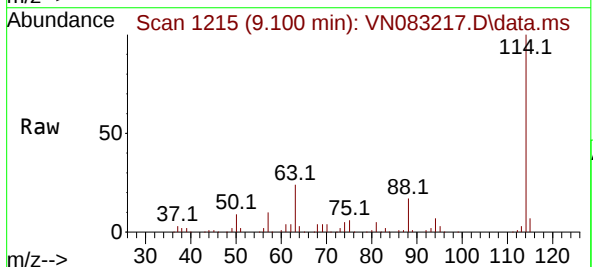
Tgt Ion:114 Resp: 257119

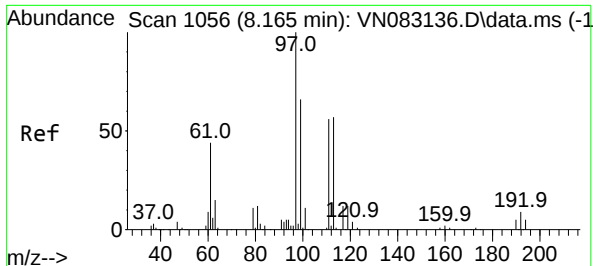
Ion Ratio Lower Upper

114 100

63 24.0 0.0 44.6

88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.399 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083217.D

Acq: 10 Aug 2024 18:59

Instrument :

MSVOA_N

ClientSampleId :

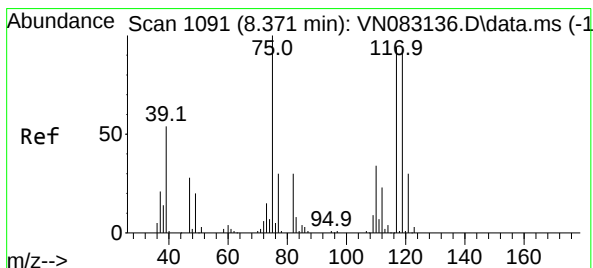
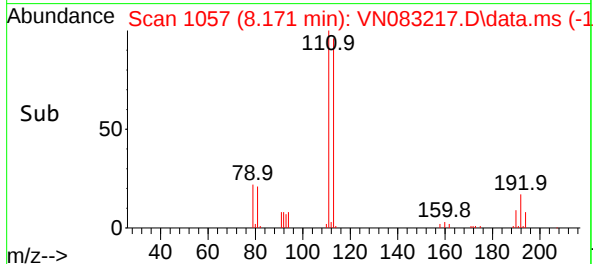
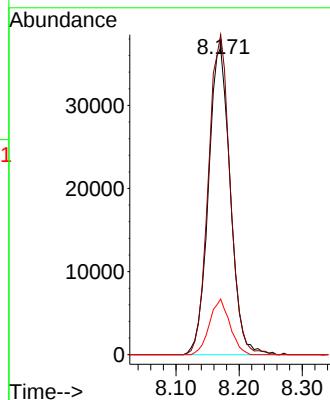
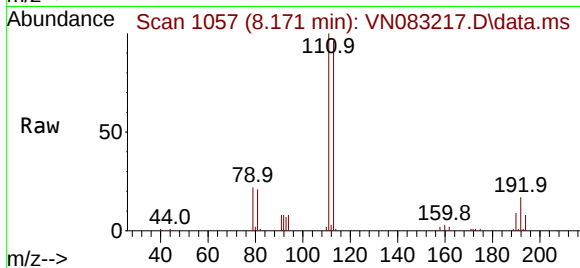
Tgt Ion:113 Resp: 88909

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

192 16.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.231 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083217.D

Acq: 10 Aug 2024 18:59

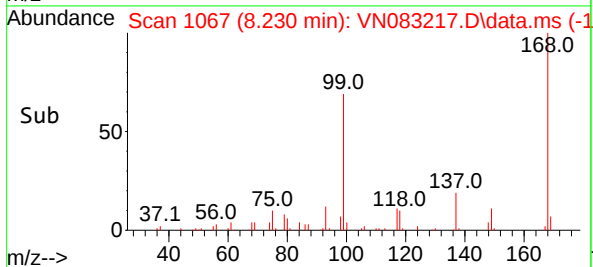
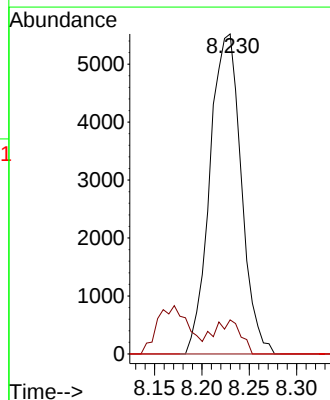
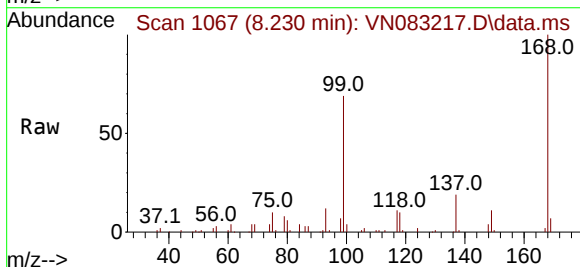
Tgt Ion: 75 Resp: 12700

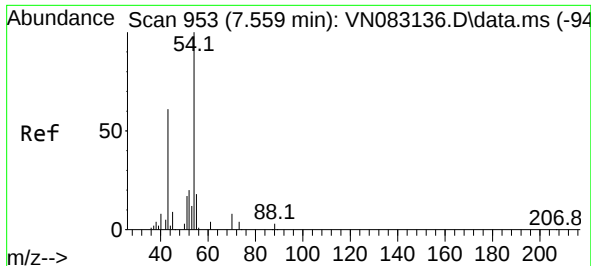
Ion Ratio Lower Upper

75 100

110 9.2 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.550 ug/l

RT: 7.494 min Scan# 94

Delta R.T. -0.065 min

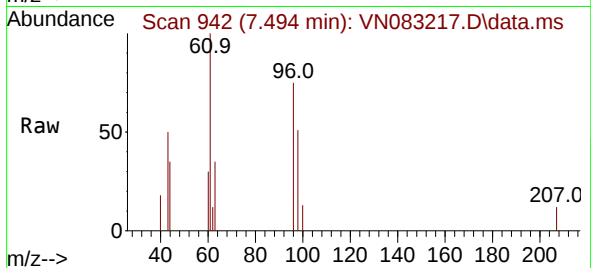
Lab File: VN083217.D

Acq: 10 Aug 2024 18:59

Instrument :

MSVOA_N

ClientSampleId :



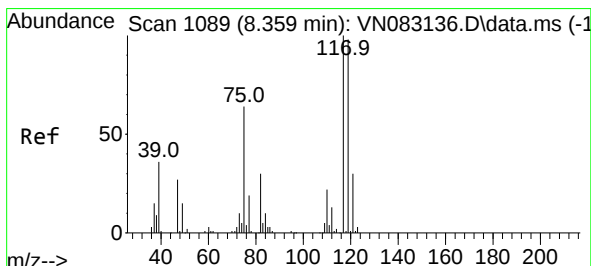
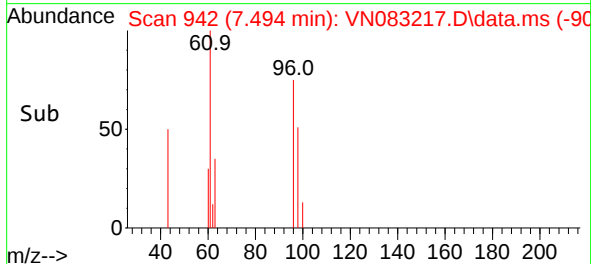
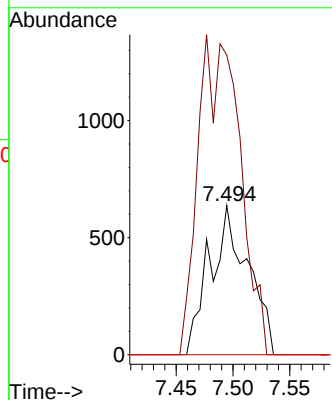
Tgt Ion: 43 Resp: 1495

Ion Ratio Lower Upper

43 100

61 98.0 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.798 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083217.D

Acq: 10 Aug 2024 18:59

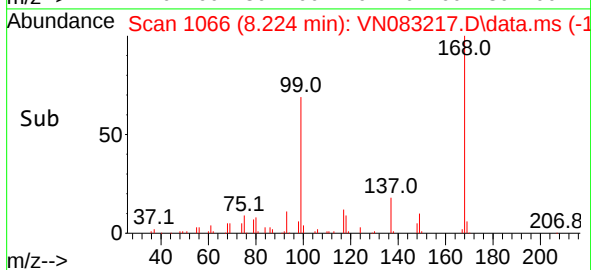
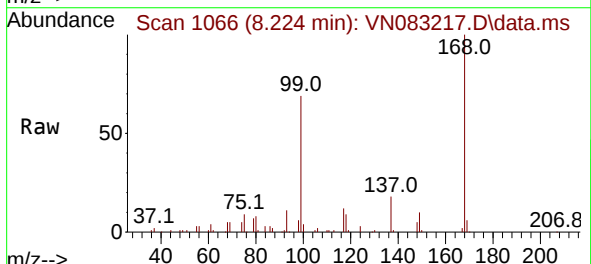
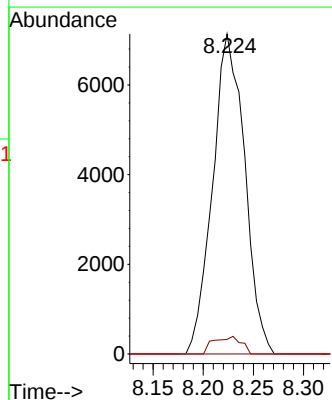
Tgt Ion: 117 Resp: 15855

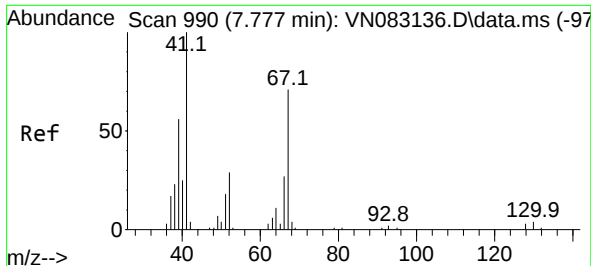
Ion Ratio Lower Upper

117 100

119 4.5 74.9 112.3#

121 0.0 24.3 36.5#

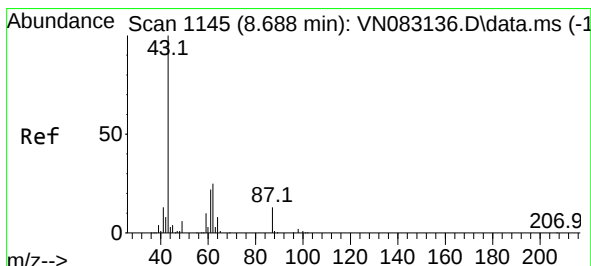
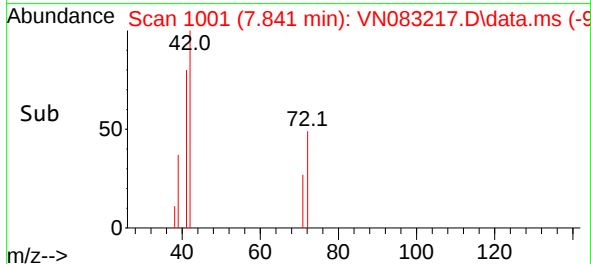
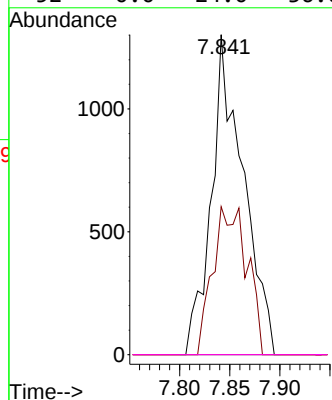
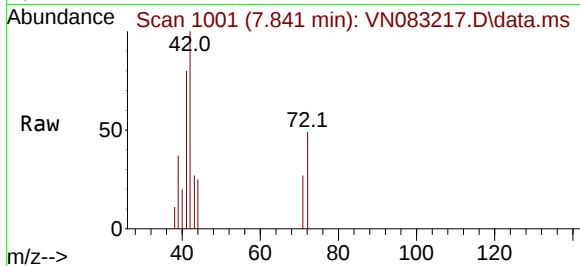




#41
Methacrylonitrile
Concen: 1.857 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

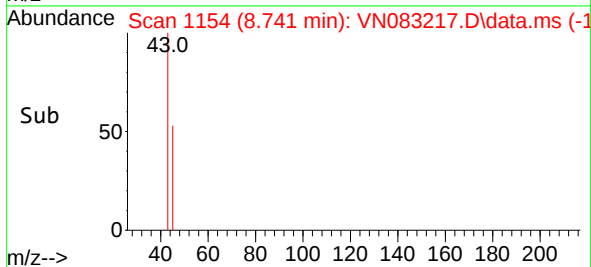
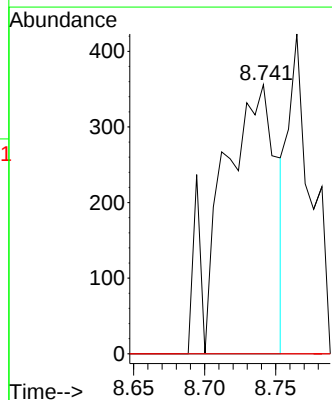
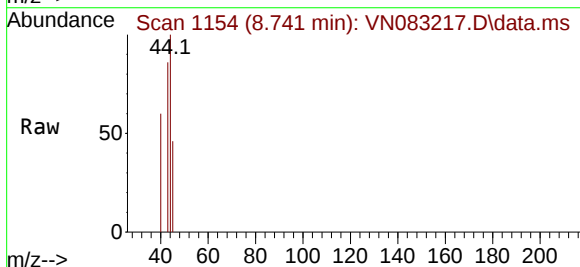
Instrument :
MSVOA_N
ClientSampleId :

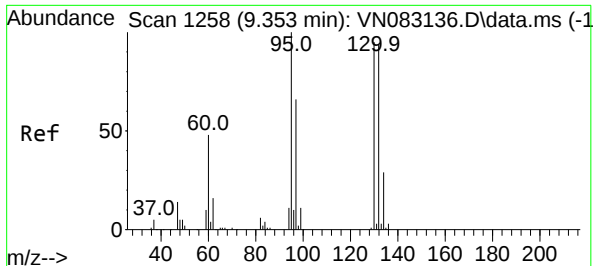
Tgt Ion: 41 Resp: 2870
Ion Ratio Lower Upper
41 100
39 49.8 45.5 68.3
67 0.0 50.5 75.7#
52 0.0 24.0 36.0#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.741 min Scan# 1154
Delta R.T. 0.053 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#

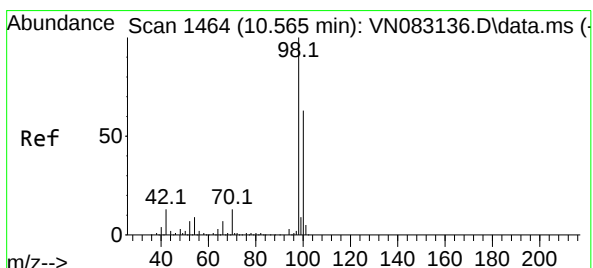
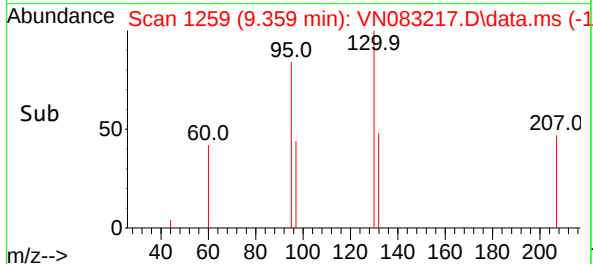
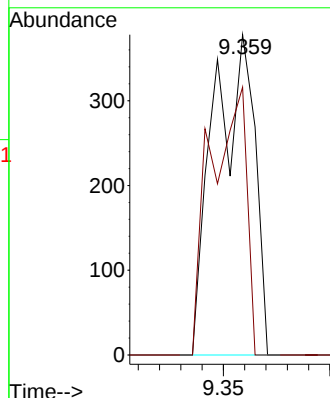
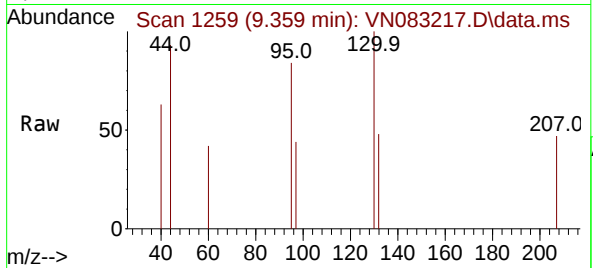




#44
Trichloroethene
Concen: 0.291 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

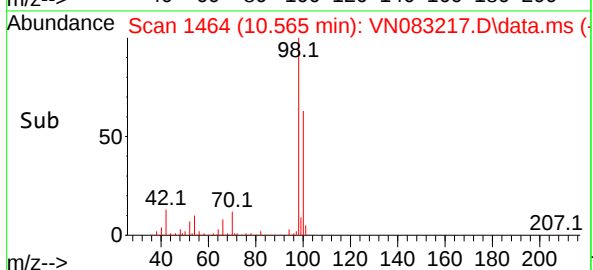
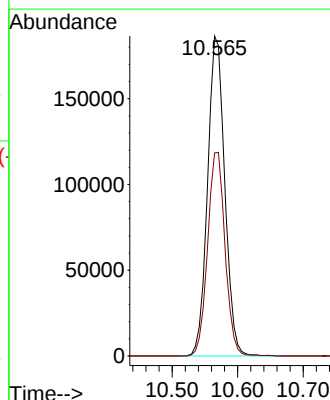
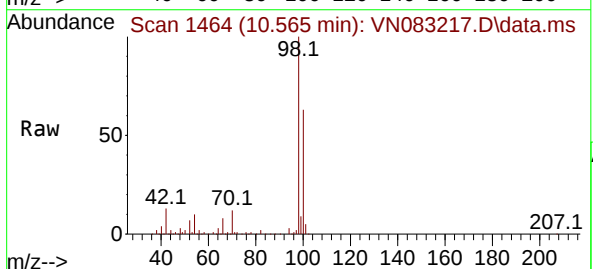
Instrument :
MSVOA_N
ClientSampleId :

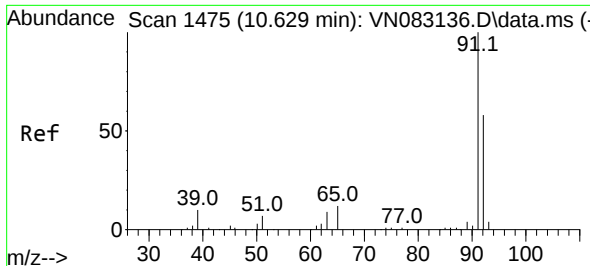
Tgt Ion:130 Resp: 501
Ion Ratio Lower Upper
130 100
95 83.6 0.0 197.8



#50
Toluene-d8
Concen: 56.848 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

Tgt Ion: 98 Resp: 340326
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3

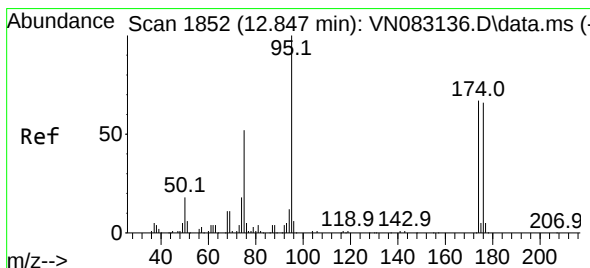
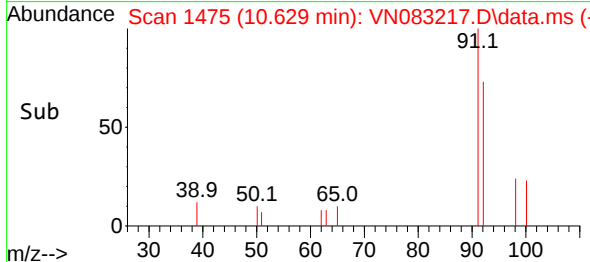
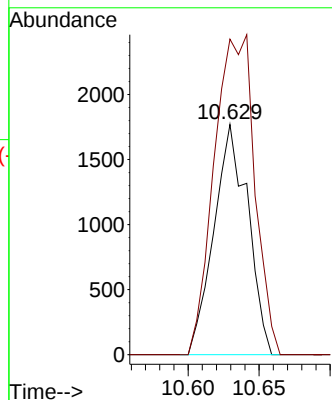
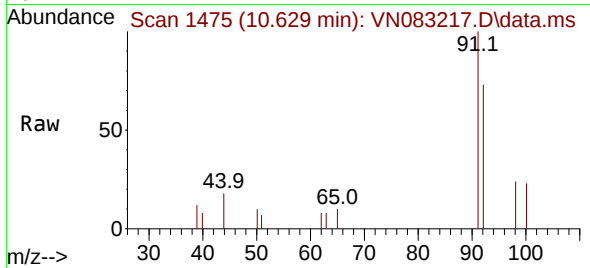




#52
Toluene
Concen: 0.643 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

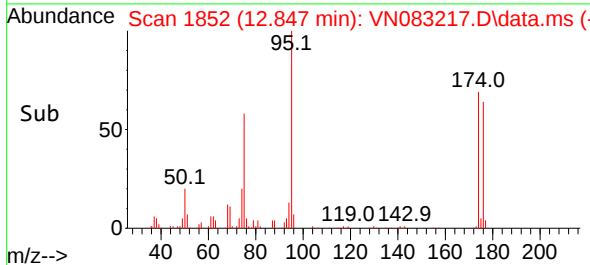
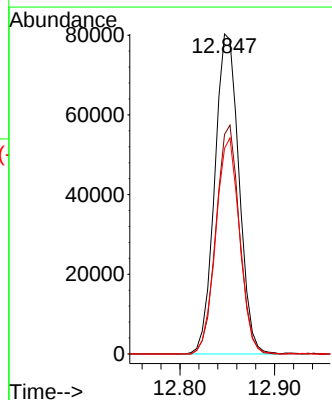
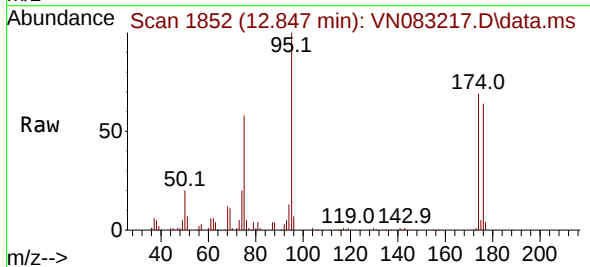
Instrument :
MSVOA_N
ClientSampleId :

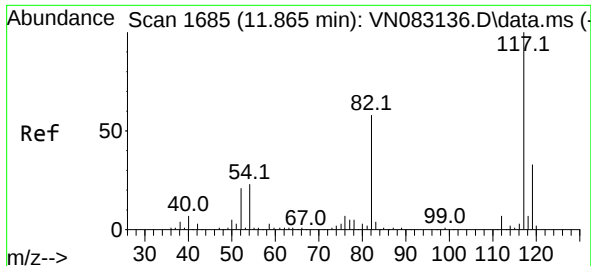
Tgt Ion: 92 Resp: 2938
Ion Ratio Lower Upper
92 100
91 165.8 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 61.287 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

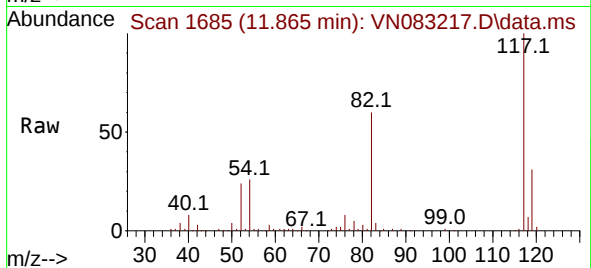
Tgt Ion: 95 Resp: 143039
Ion Ratio Lower Upper
95 100
174 68.7 0.0 159.2
176 66.3 0.0 147.6



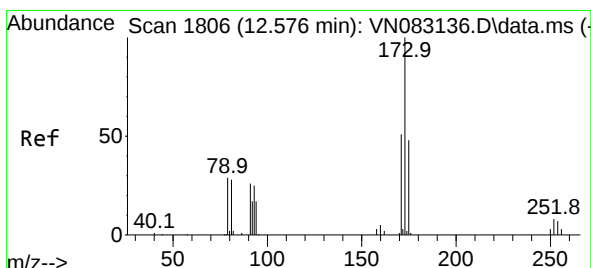
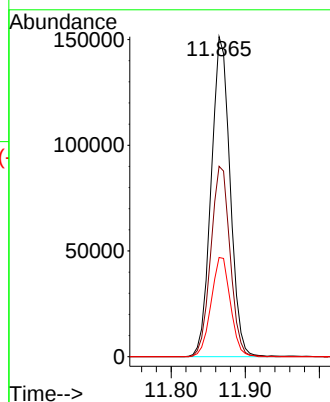
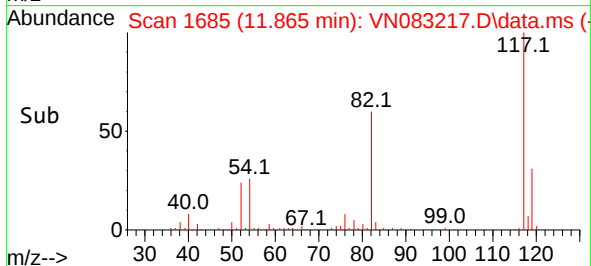


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

Instrument :
MSVOA_N
ClientSampleId :

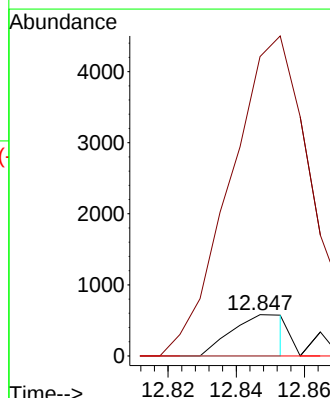
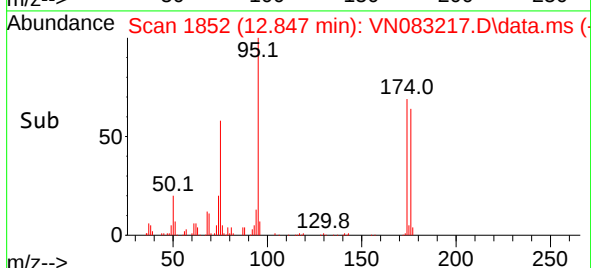
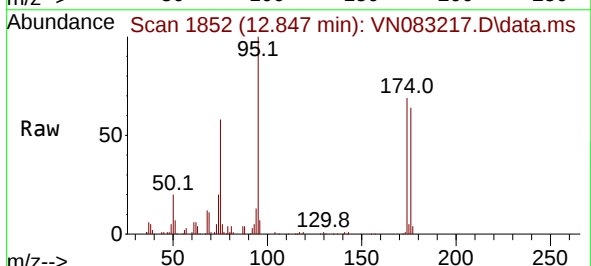


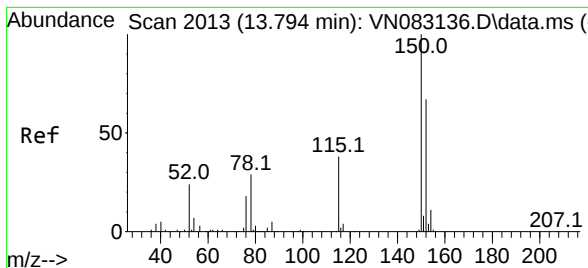
Tgt Ion:117 Resp: 268284
Ion Ratio Lower Upper
117 100
82 59.5 47.5 71.3
119 31.0 25.6 38.4



#71
Bromoform
Concen: 0.407 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083217.D
Acq: 10 Aug 2024 18:59

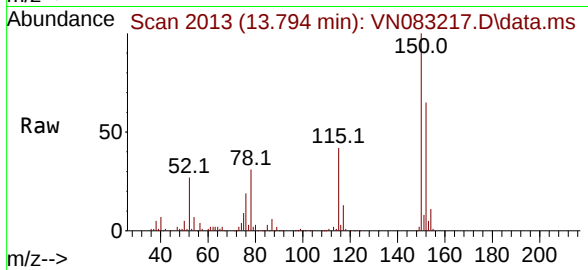
Tgt Ion:173 Resp: 644
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



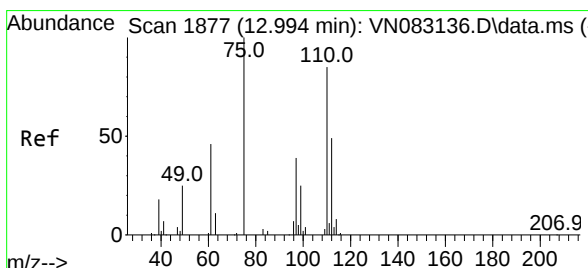
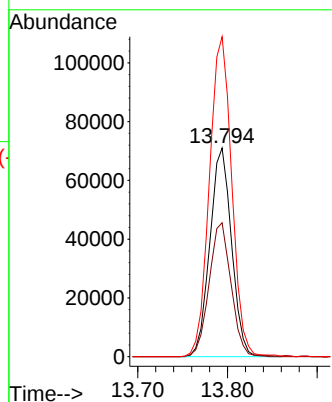
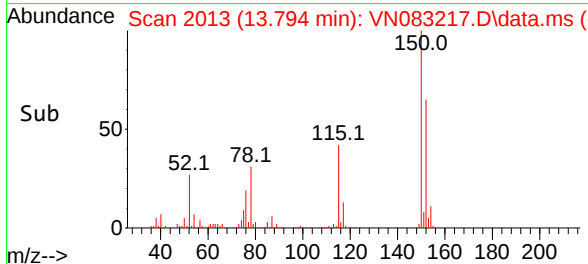


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN083217.D
 Acq: 10 Aug 2024 18:59

Instrument :
 MSVOA_N
 ClientSampleId :

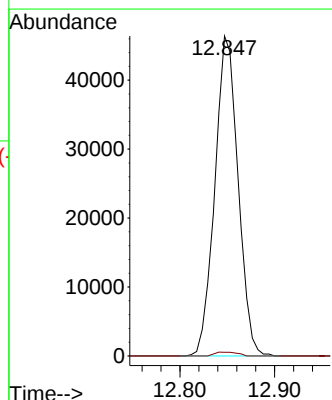
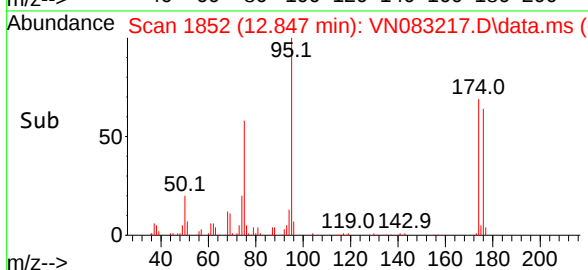
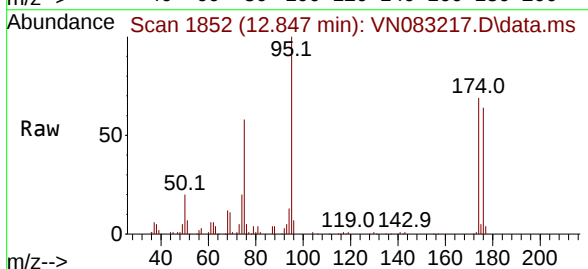


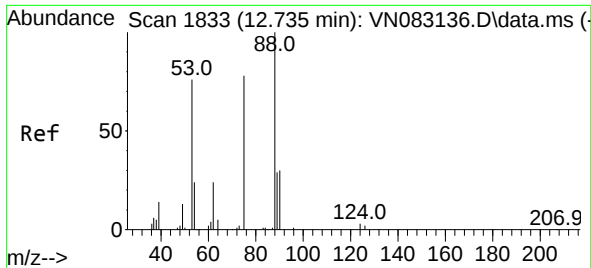
Tgt Ion:152 Resp: 119104
 Ion Ratio Lower Upper
 152 100
 115 65.0 30.6 91.6
 150 157.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 30.298 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083217.D
 Acq: 10 Aug 2024 18:59

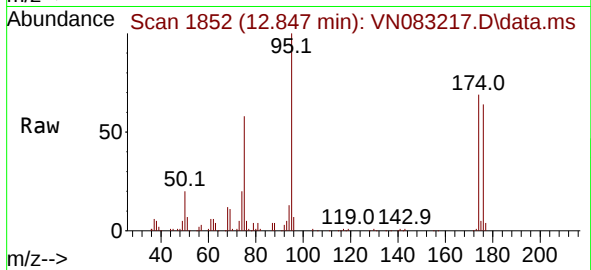
Tgt Ion: 75 Resp: 79201
 Ion Ratio Lower Upper
 75 100
 77 1.2 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.906 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083217.D
 Acq: 10 Aug 2024 18:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

