

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081524\
 Data File : VN083331.D
 Acq On : 15 Aug 2024 15:11
 Operator : JC\MD
 Sample : P3620-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 920-J-WPO-0.25-081424

Quant Time: Aug 16 01:52:06 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

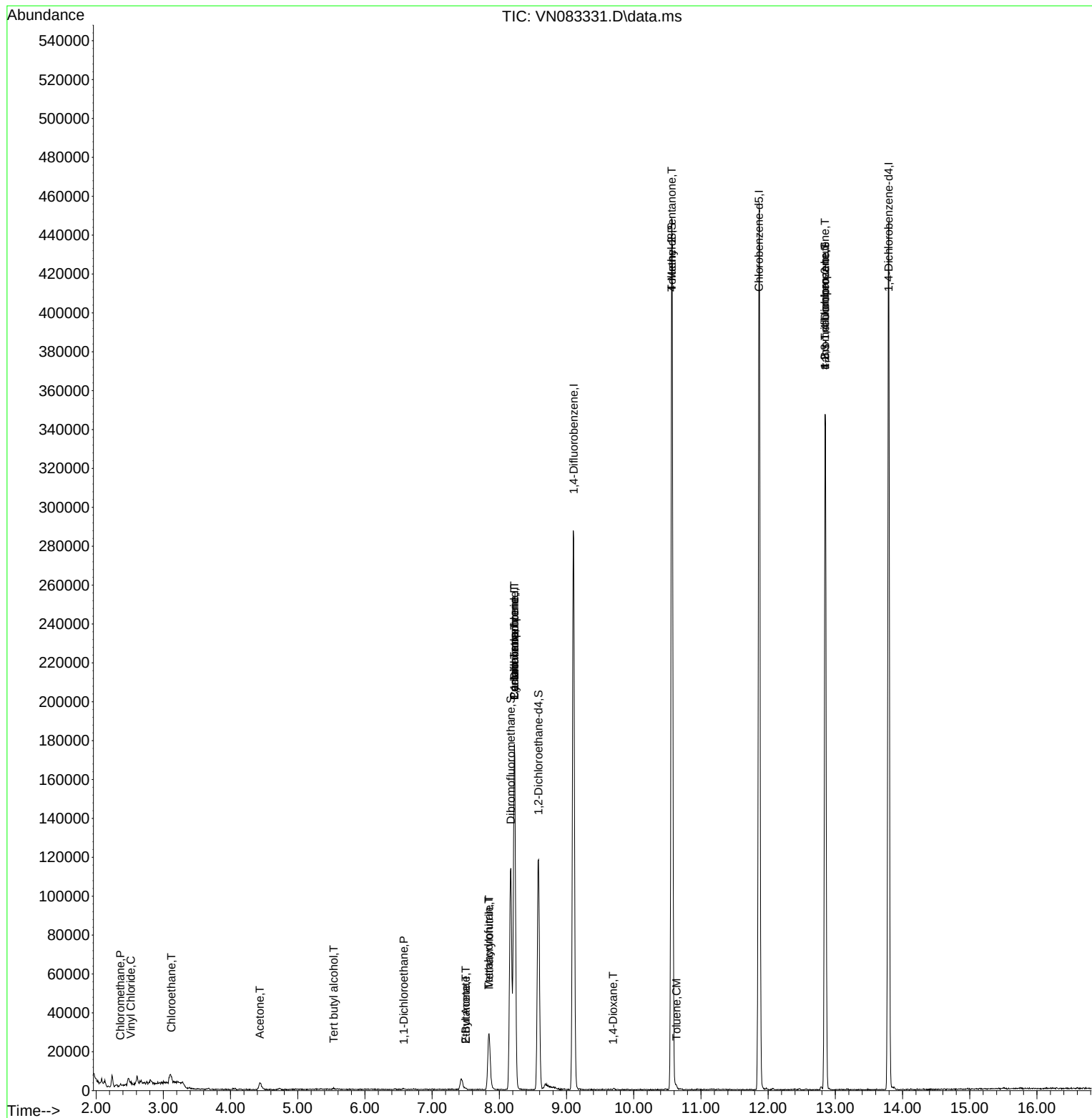
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

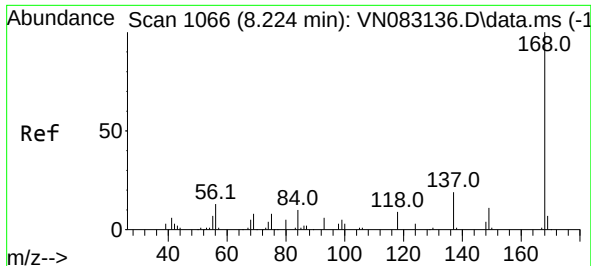
Internal Standards						
1) Pentafluorobenzene	8.224	168	124063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	243725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	103661	58.702	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.400%
35) Dibromofluoromethane	8.171	113	82034	53.924	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.840%
50) Toluene-d8	10.565	98	307673	54.218	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.440%
62) 4-Bromofluorobenzene	12.847	95	126756	57.295	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	114.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	777	0.539	ug/l	98
4) Vinyl Chloride	2.518	62	718	0.489	ug/l #	57
6) Chloroethane	3.118	64	1609	1.750	ug/l #	84
11) Tert butyl alcohol	5.536	59	202	0.550	ug/l #	71
16) Acetone	4.436	43	7163	10.366	ug/l	95
24) 1,1-Dichloroethane	6.577	63	787	0.296	ug/l #	83
25) 2-Butanone	7.500	43	670	0.631	ug/l #	53
29) Tetrahydrofuran	7.841	42	23316	33.995	ug/l	89
31) Cyclohexane	8.224	56	3089	1.180	ug/l #	8
36) 1,1-Dichloropropene	8.224	75	11801	5.128	ug/l #	50
37) Ethyl Acetate	7.500	43	670	0.260	ug/l #	85
38) Carbon Tetrachloride	8.224	117	14209	5.482	ug/l #	16
41) Methacrylonitrile	7.847	41	13779	9.405	ug/l #	51
43) Isopropyl Acetate	8.688	43	2789	Below Cal	#	60
49) 1,4-Dioxane	9.694	88	489	12.724	ug/l	93
51) 4-Methyl-2-Pentanone	10.565	43	1709	0.701	ug/l #	1
52) Toluene	10.635	92	968	0.223	ug/l	94
76) 1,2,3-Trichloropropane	12.847	75	68274	27.098	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68274	58.944	ug/l #	6

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

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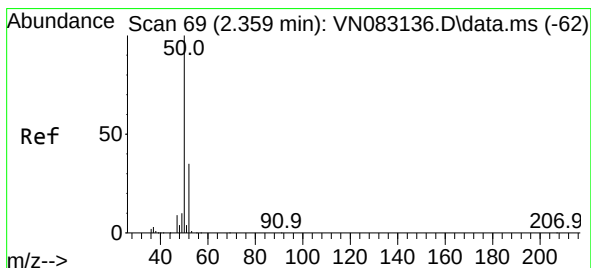
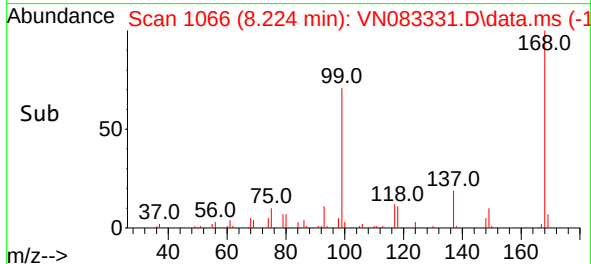
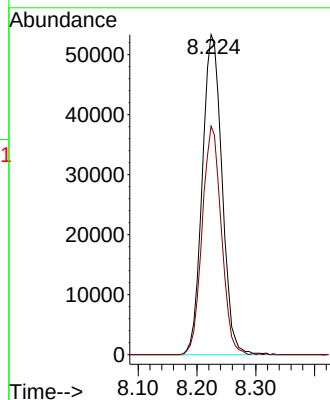
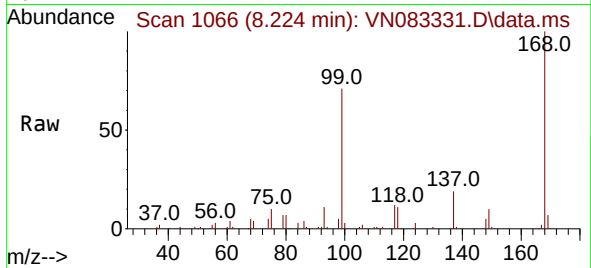




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083331.D
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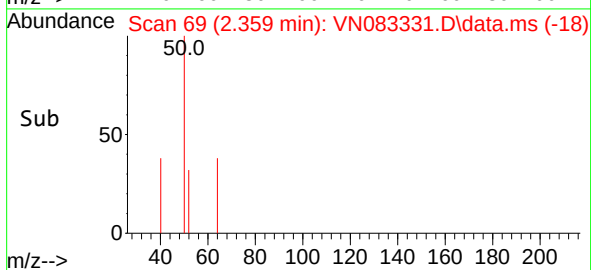
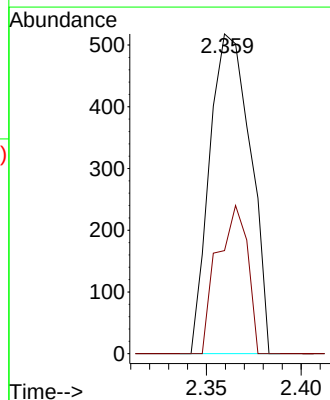
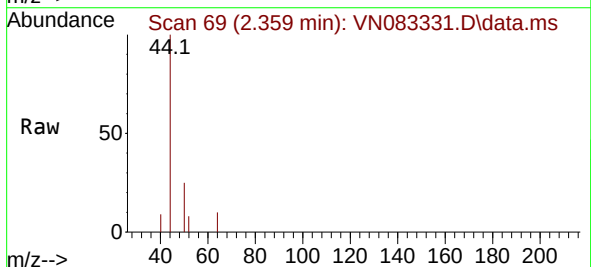
Instrument :
MSVOA_N
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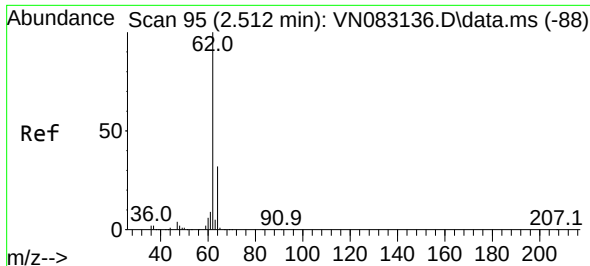
Tgt Ion:168 Resp: 124063
Ion Ratio Lower Upper
168 100
99 71.4 48.2 72.4



#3
Chloromethane
Concen: 0.539 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

Tgt Ion: 50 Resp: 777
Ion Ratio Lower Upper
50 100
52 32.2 25.0 37.4

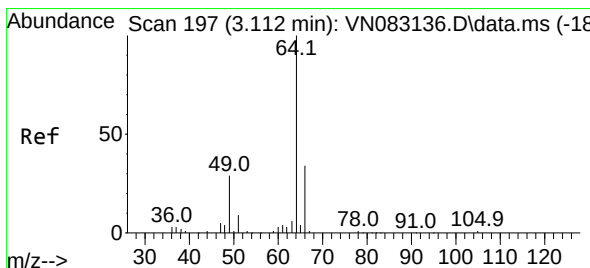
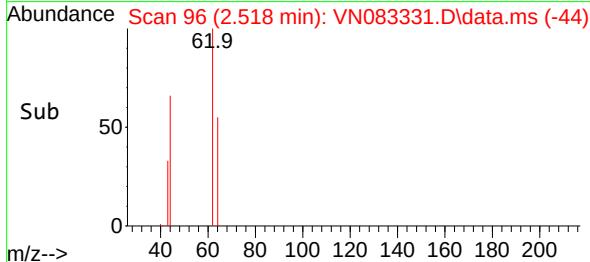
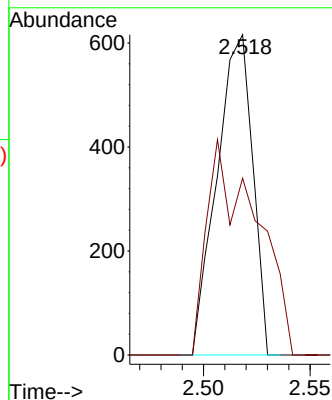
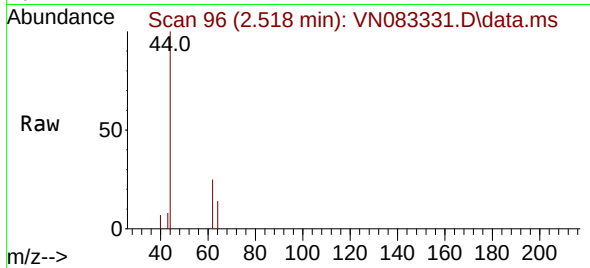




#4
 Vinyl Chloride
 Concen: 0.489 ug/l
 RT: 2.518 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VN083331.D
 Acq: 15 Aug 2024 15:11

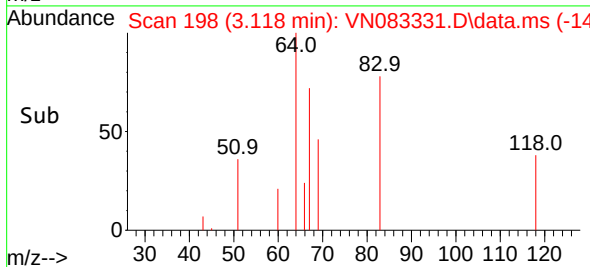
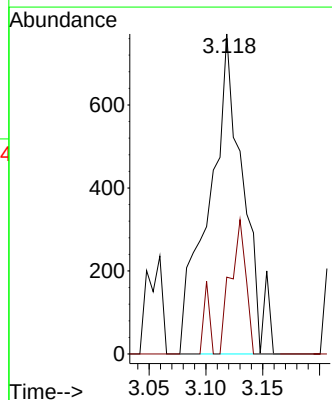
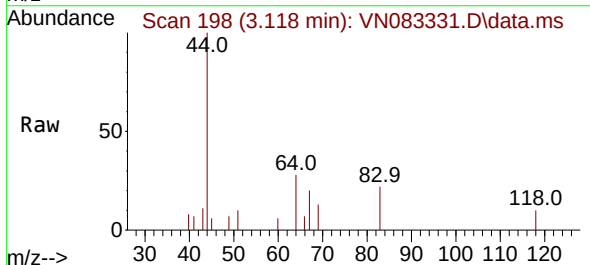
Instrument :
 MSVOA_N
 ClientSampleId :
 920-J-WPO-0.25-081424

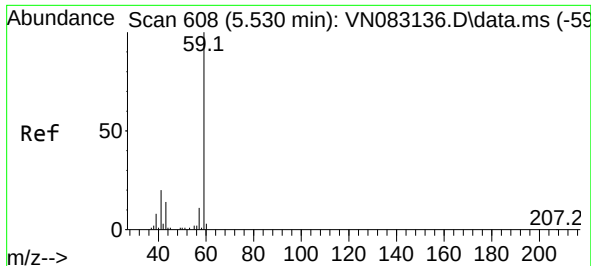
Tgt Ion: 62 Resp: 718
 Ion Ratio Lower Upper
 62 100
 64 55.2 25.0 37.6#



#6
 Chloroethane
 Concen: 1.750 ug/l
 RT: 3.118 min Scan# 198
 Delta R.T. 0.006 min
 Lab File: VN083331.D
 Acq: 15 Aug 2024 15:11

Tgt Ion: 64 Resp: 1609
 Ion Ratio Lower Upper
 64 100
 66 24.0 26.6 40.0#





#11

Tert butyl alcohol

Concen: 0.550 ug/l

RT: 5.536 min Scan# 609

Delta R.T. 0.006 min

Lab File: VN083331.D

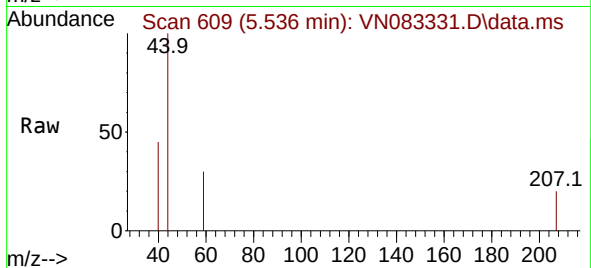
Acq: 15 Aug 2024 15:11

Instrument :

MSVOA_N

ClientSampleId :

920-J-WPO-0.25-081424

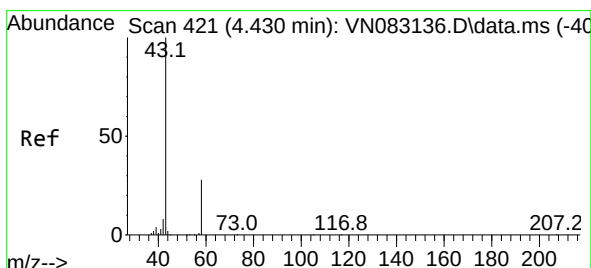
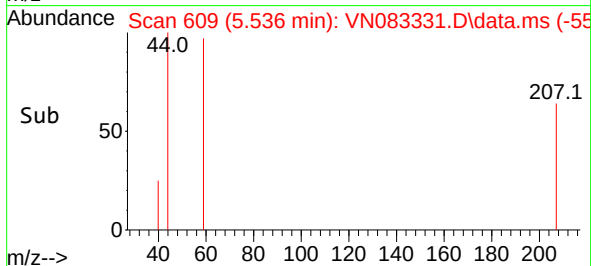
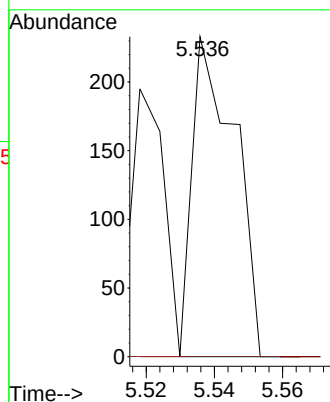


Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#16

Acetone

Concen: 10.366 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN083331.D

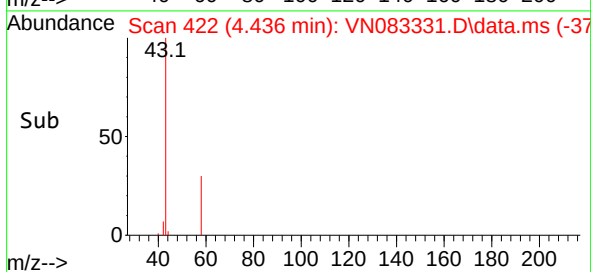
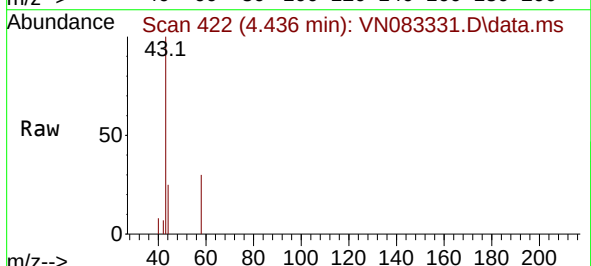
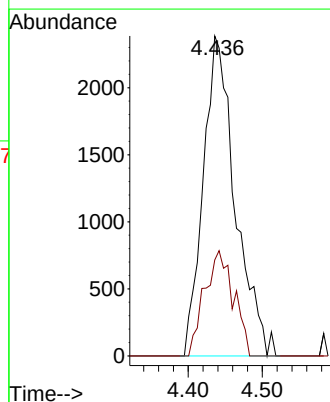
Acq: 15 Aug 2024 15:11

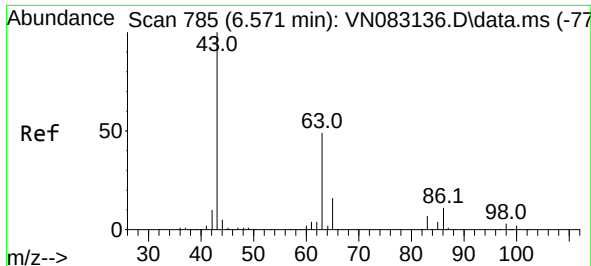
Tgt Ion: 43 Resp: 7163

Ion Ratio Lower Upper

43 100

58 30.0 21.8 32.6

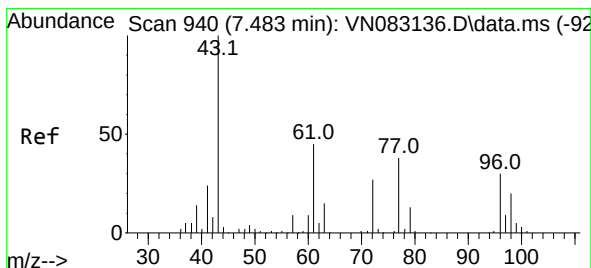
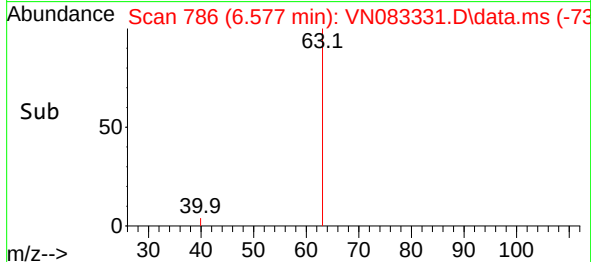
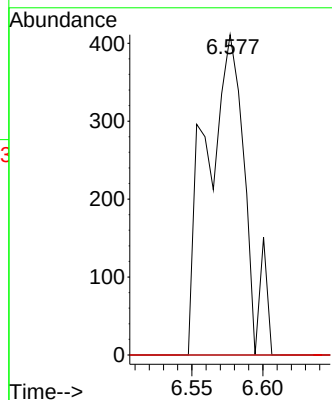
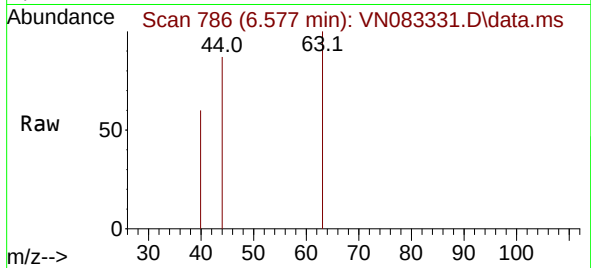




#24
1,1-Dichloroethane
Concen: 0.296 ug/l
RT: 6.577 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

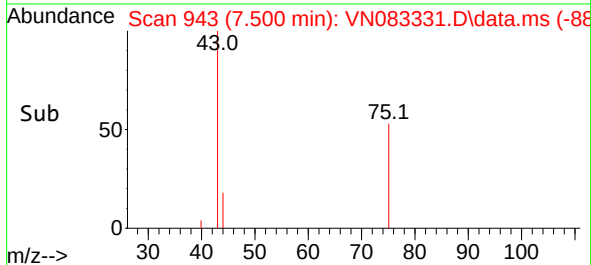
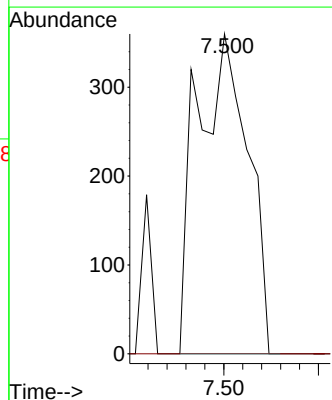
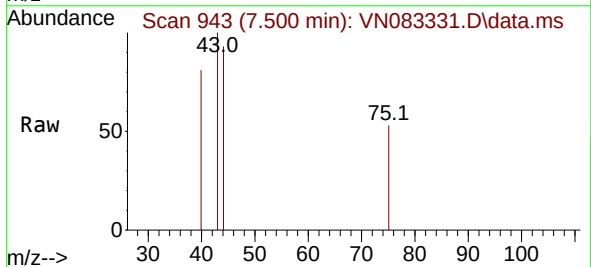
Instrument :
MSVOA_N
ClientSampleId :
920-J-WPO-0.25-081424

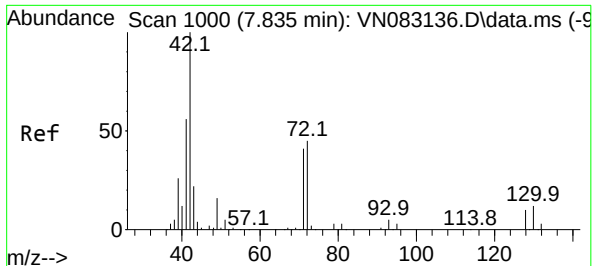
Tgt Ion: 63 Resp: 787
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.0 6.0#



#25
2-Butanone
Concen: 0.631 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#





#29

Tetrahydrofuran

Concen: 33.995 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN083331.D

Acq: 15 Aug 2024 15:11

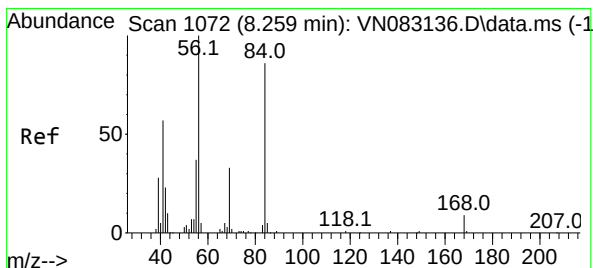
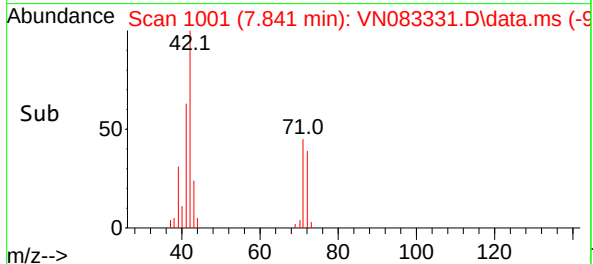
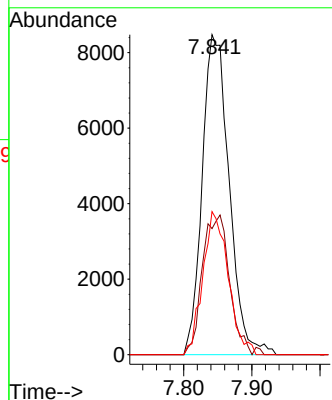
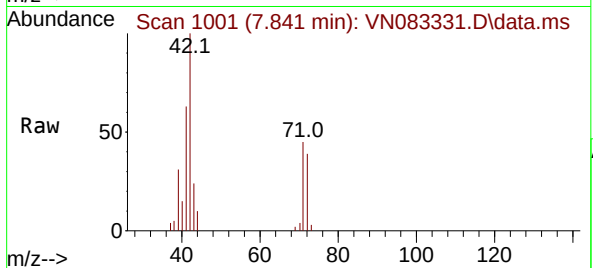
Instrument :

MSVOA_N

ClientSampleId :

920-J-WPO-0.25-081424

Tgt Ion:	42	Resp:	23316
Ion	Ratio	Lower	Upper
42	100		
72	43.7	30.0	45.0
71	42.2	28.3	42.5



#31

Cyclohexane

Concen: 1.180 ug/l

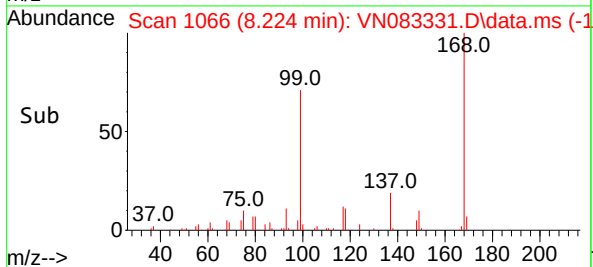
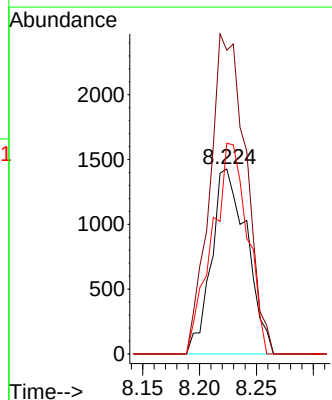
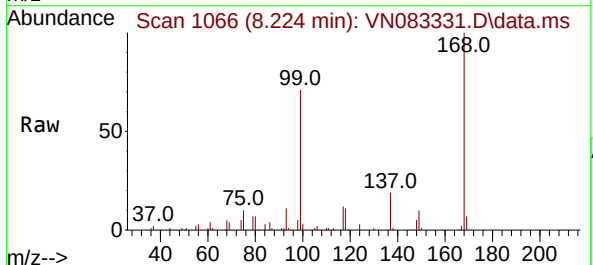
RT: 8.224 min Scan# 1066

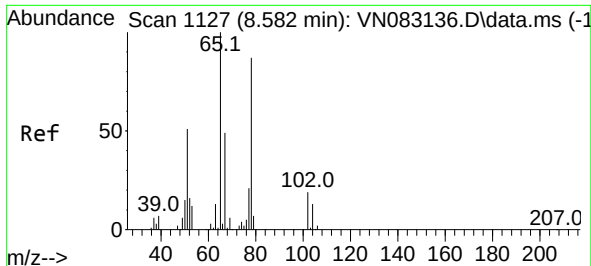
Delta R.T. -0.035 min

Lab File: VN083331.D

Acq: 15 Aug 2024 15:11

Tgt Ion:	56	Resp:	3089
Ion	Ratio	Lower	Upper
56	100		
69	164.3	24.5	36.7#
84	113.9	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 58.702 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN083331.D

Acq: 15 Aug 2024 15:11

Instrument :

MSVOA_N

ClientSampleId :

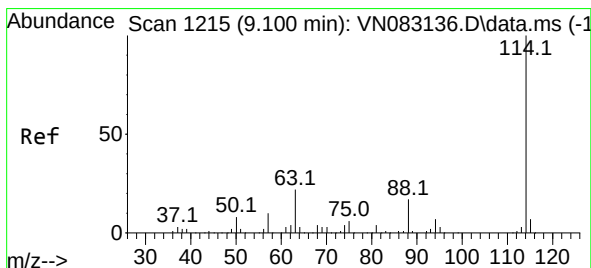
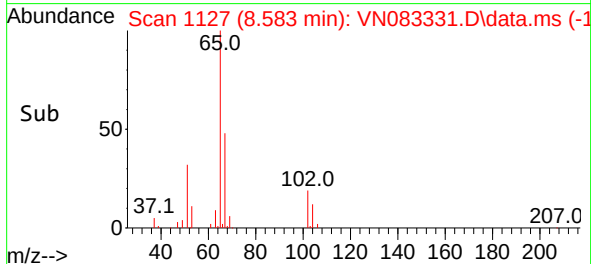
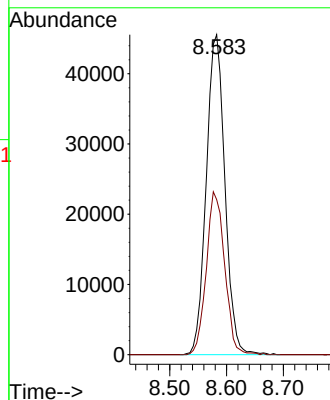
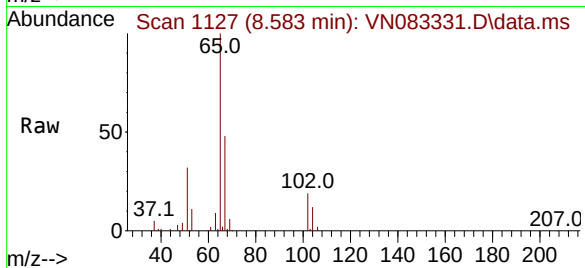
920-J-WPO-0.25-081424

Tgt Ion: 65 Resp: 103661

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN083331.D

Acq: 15 Aug 2024 15:11

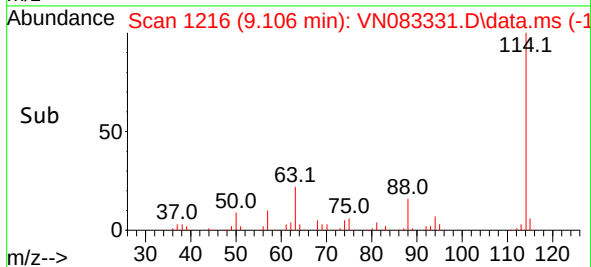
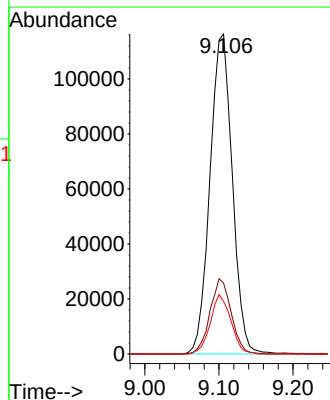
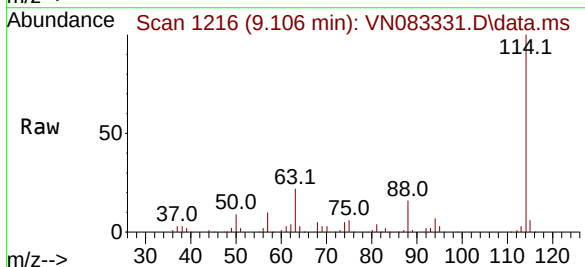
Tgt Ion: 114 Resp: 243725

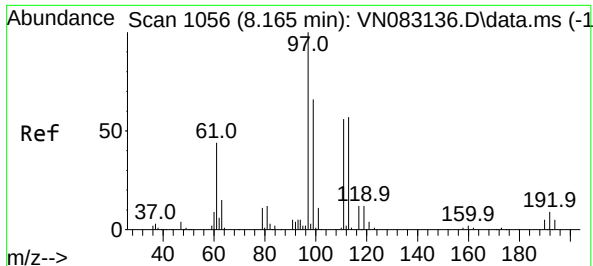
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

88 16.4 0.0 31.4

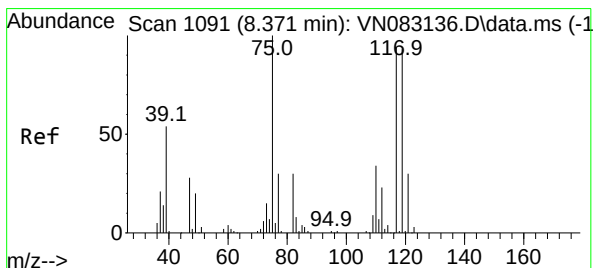
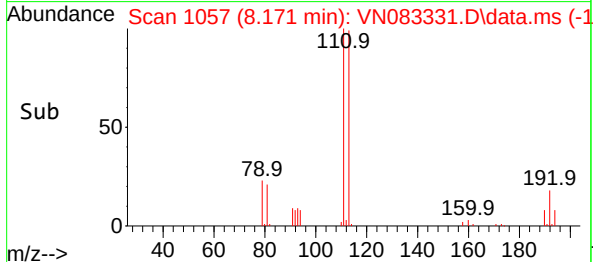
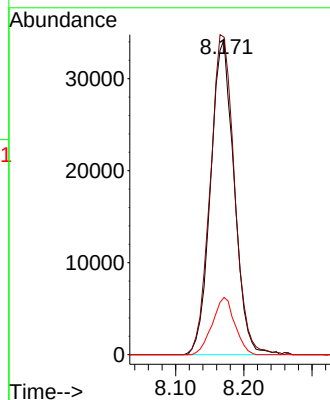
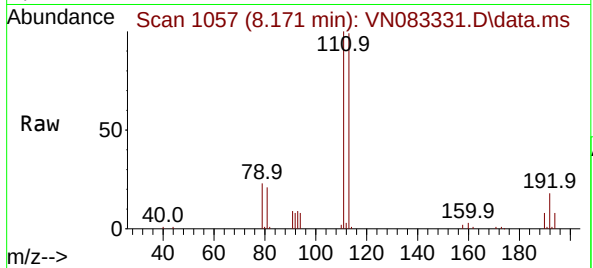




#35
Dibromofluoromethane
Concen: 53.924 ug/l
RT: 8.171 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

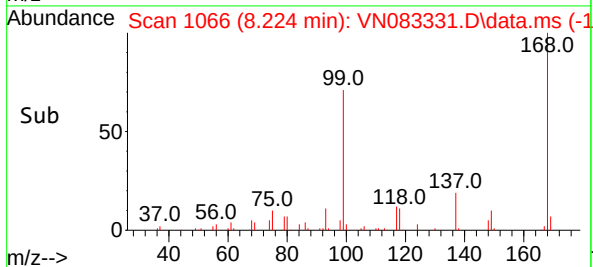
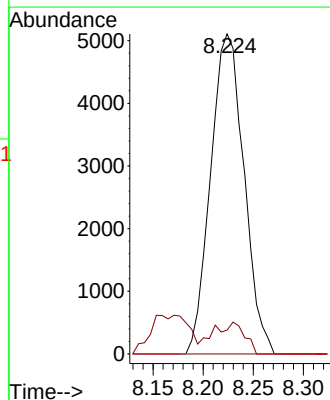
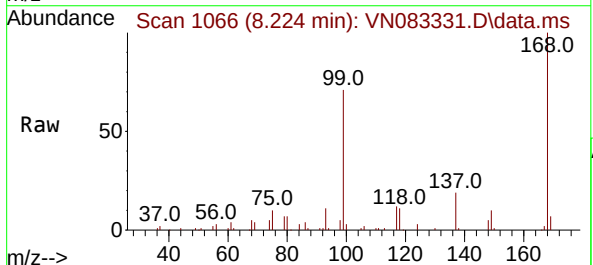
Instrument :
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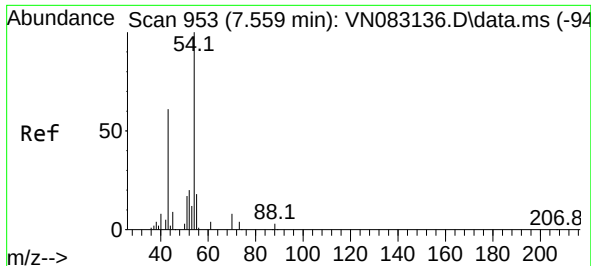
Tgt Ion:113 Resp: 82034
Ion Ratio Lower Upper
113 100
111 104.5 82.4 123.6
192 17.4 14.9 22.3



#36
1,1-Dichloropropene
Concen: 5.128 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

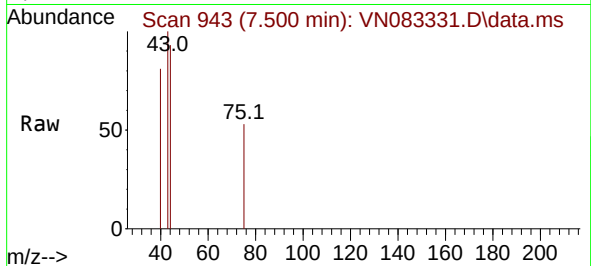
Tgt Ion: 75 Resp: 11801
Ion Ratio Lower Upper
75 100
110 7.9 16.3 48.9#
77 0.0 24.6 37.0#



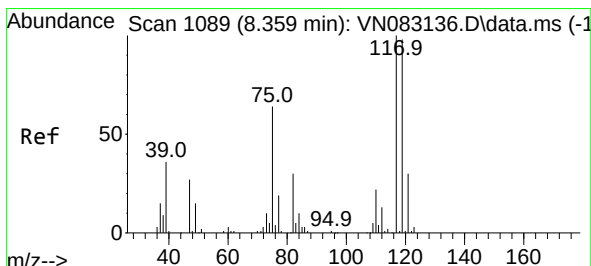
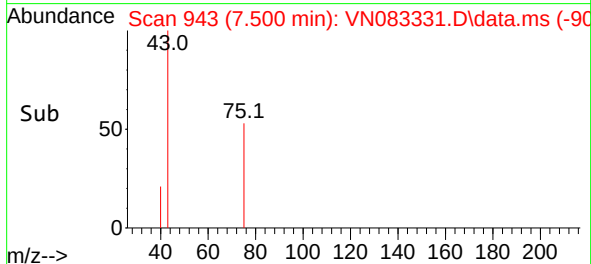
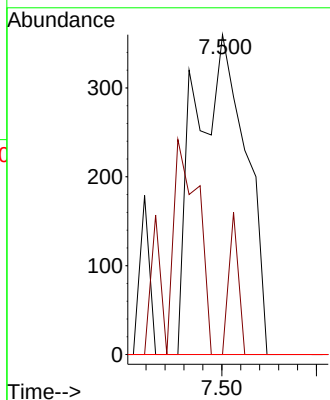


#37
Ethyl Acetate
Concen: 0.260 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.059 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

Instrument :
MSVOA_N
ClientSampleId :
920-J-WPO-0.25-081424

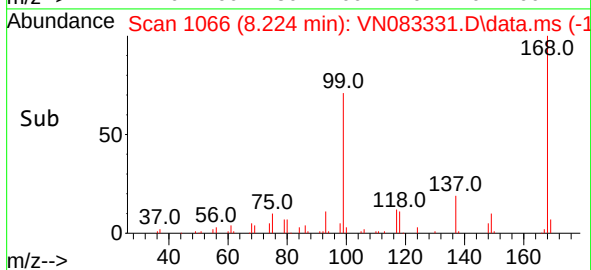
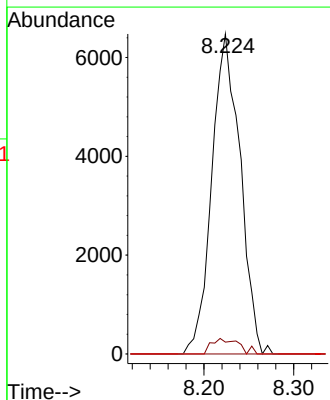
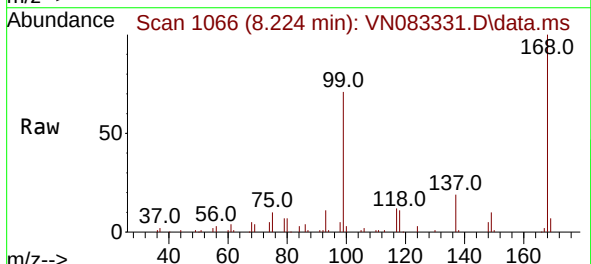


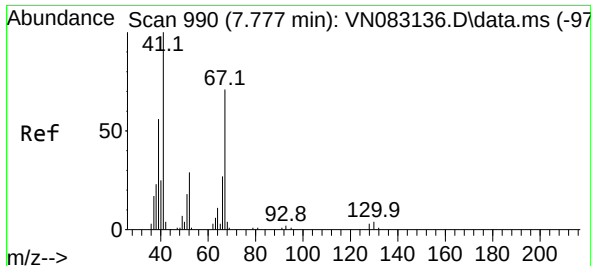
Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
61 8.4 9.3 13.9#
70 0.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.482 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

Tgt Ion: 117 Resp: 14209
Ion Ratio Lower Upper
117 100
119 3.7 74.9 112.3#
121 0.0 24.3 36.5#

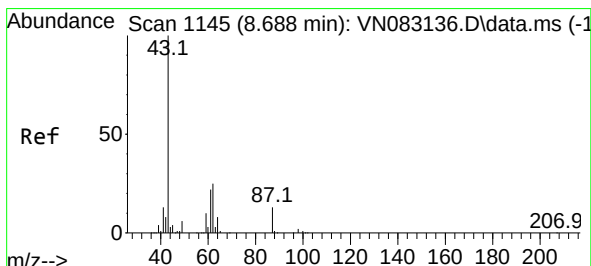
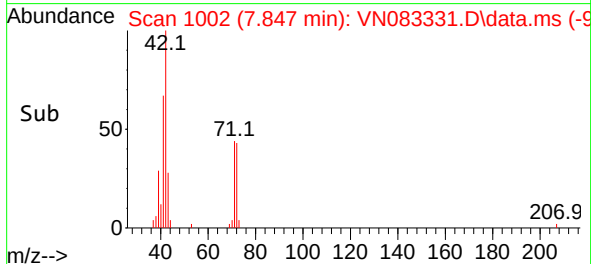
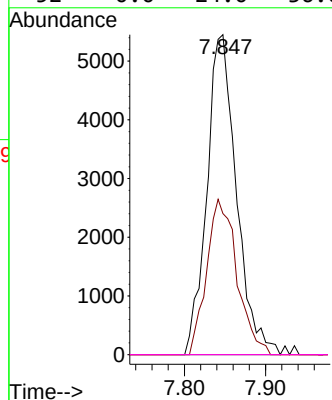
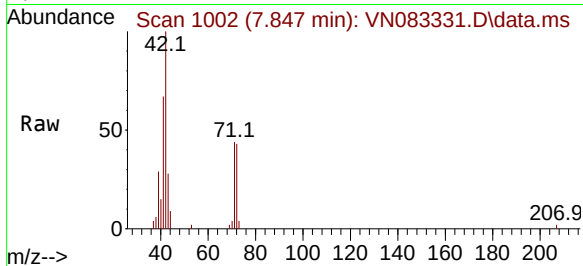




#41
Methacrylonitrile
Concen: 9.405 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

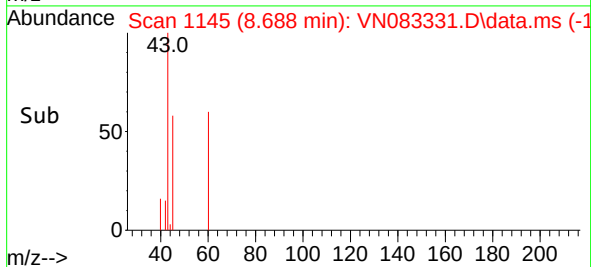
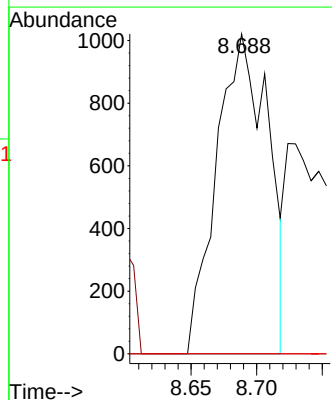
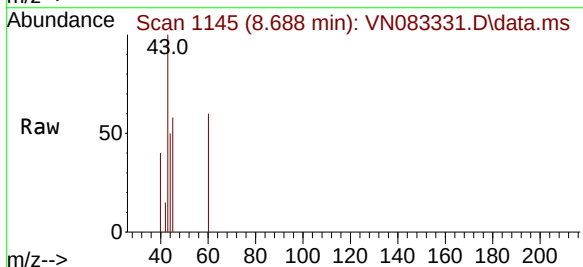
Instrument :
MSVOA_N
ClientSampleId :
920-J-WPO-0.25-081424

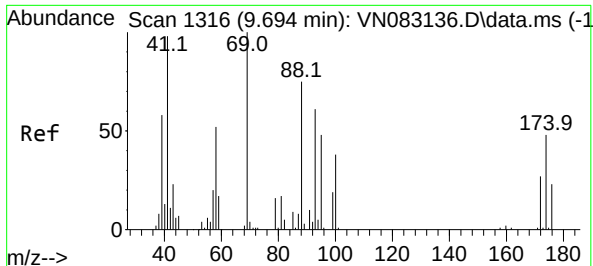
Tgt Ion:	41	Resp:	13779
Ion	Ratio	Lower	Upper
41	100		
39	49.8	45.5	68.3
67	0.0	50.5	75.7#
52	0.0	24.0	36.0#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

Tgt Ion:	43	Resp:	2789
Ion	Ratio	Lower	Upper
43	100		
61	0.0	17.8	26.6#
87	0.0	8.2	12.2#





#49

1,4-Dioxane

Concen: 12.724 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN083331.D

Acq: 15 Aug 2024 15:11

Instrument :

MSVOA_N

ClientSampleId :

920-J-WPO-0.25-081424

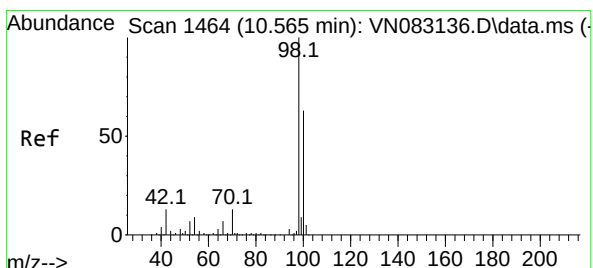
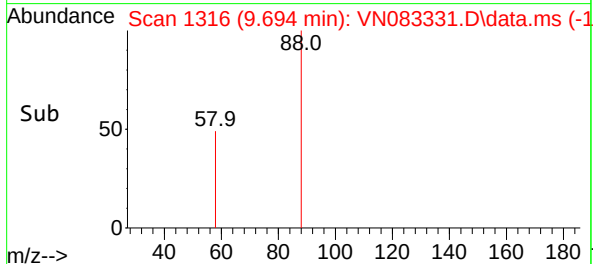
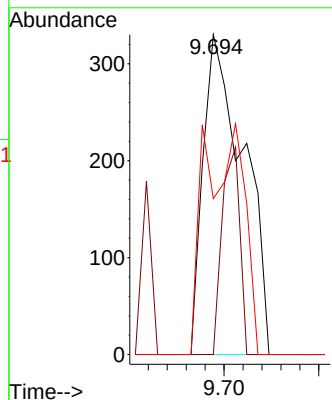
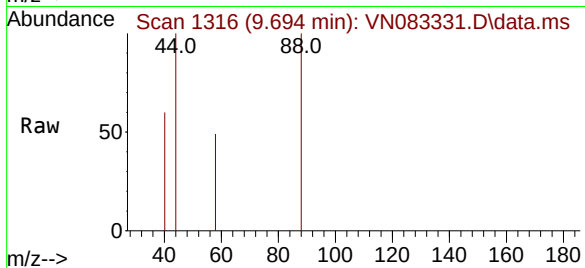
Tgt Ion: 88 Resp: 489

Ion Ratio Lower Upper

88 100

43 28.2 27.8 41.8

58 69.9 59.4 89.0



#50

Toluene-d8

Concen: 54.218 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083331.D

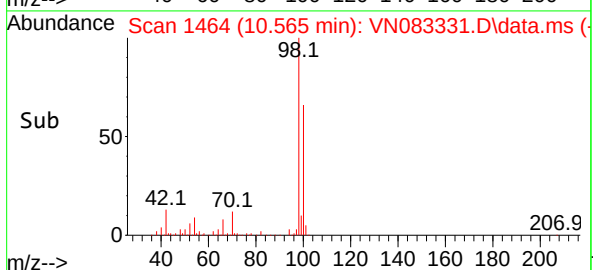
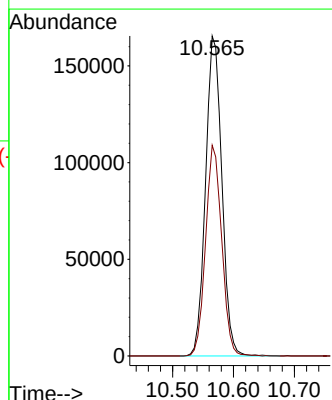
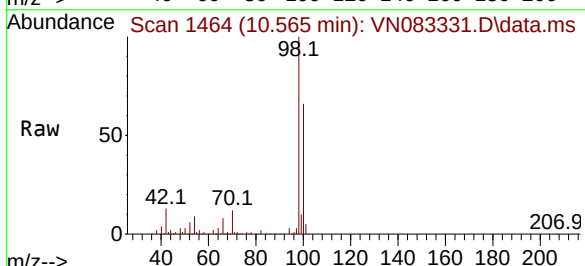
Acq: 15 Aug 2024 15:11

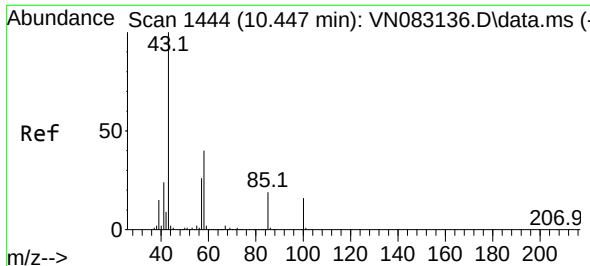
Tgt Ion: 98 Resp: 307673

Ion Ratio Lower Upper

98 100

100 65.2 51.5 77.3

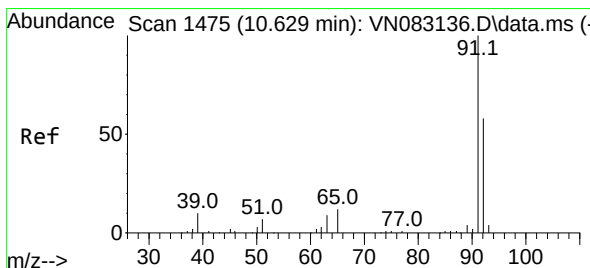
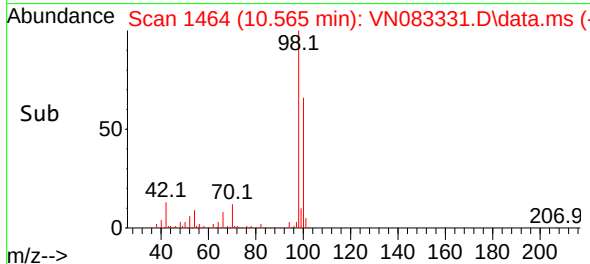
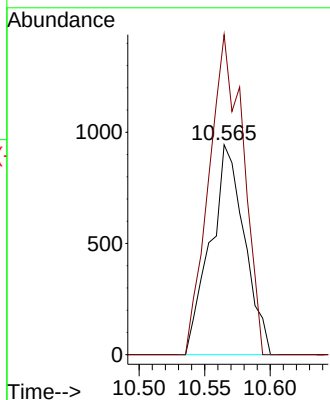
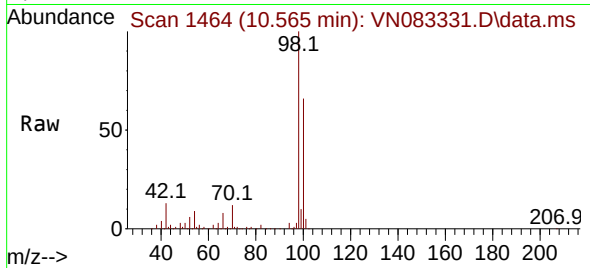




#51
4-Methyl-2-Pentanone
Concen: 0.701 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

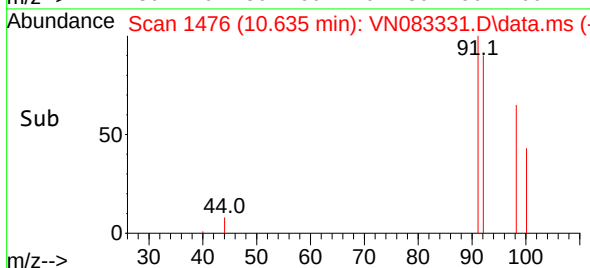
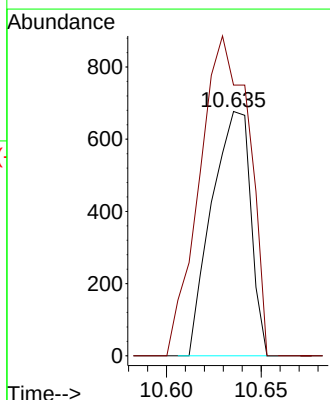
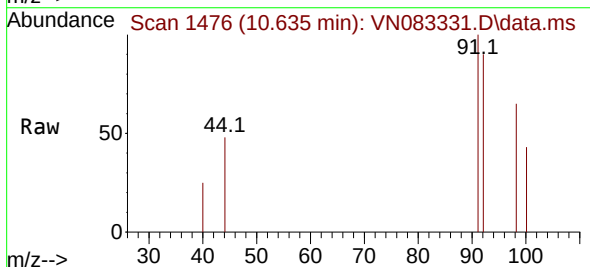
Instrument :
MSVOA_N
ClientSampleId :
920-J-WPO-0.25-081424

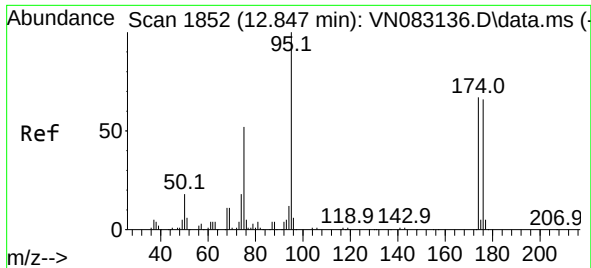
Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
58 153.5 28.2 42.4#



#52
Toluene
Concen: 0.223 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

Tgt Ion: 92 Resp: 968
Ion Ratio Lower Upper
92 100
91 165.5 139.4 209.0

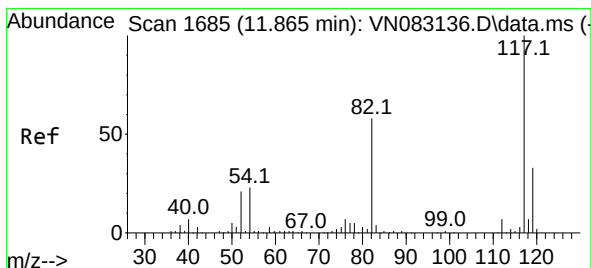
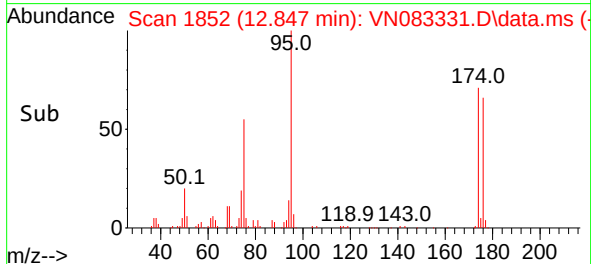
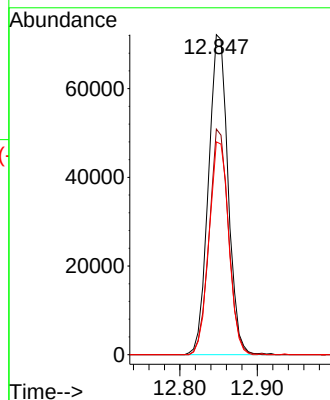
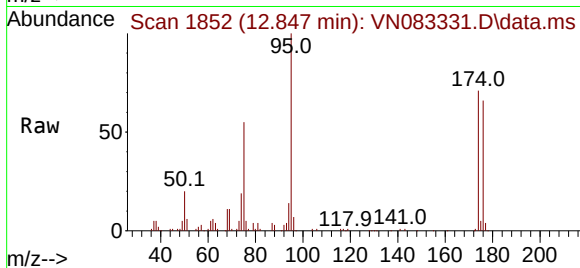




#62
4-Bromofluorobenzene
Concen: 57.295 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

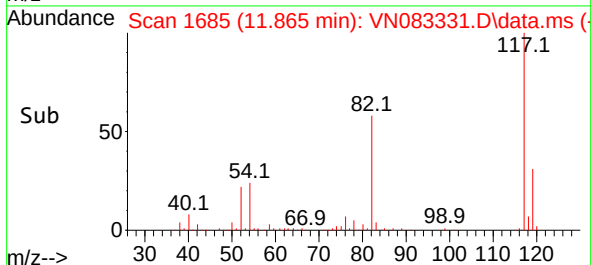
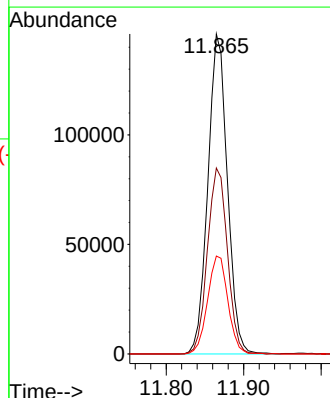
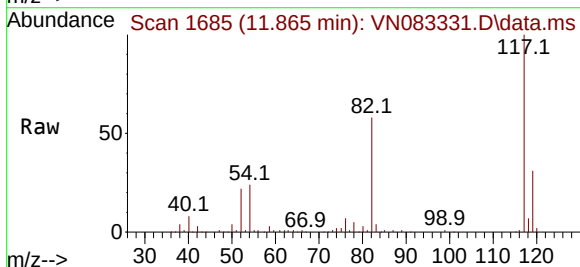
Instrument :
MSVOA_N
ClientSampleId :
920-J-WPO-0.25-081424

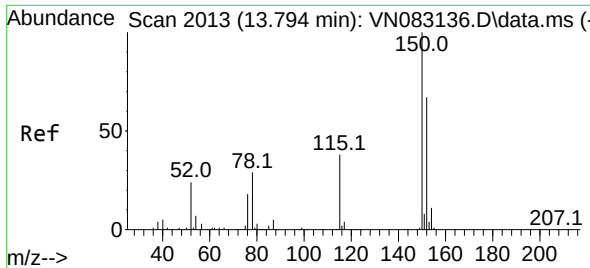
Tgt Ion:	95	Resp:	126756
Ion Ratio	Lower	Upper	
95	100		
174	69.3	0.0	159.2
176	67.1	0.0	147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

Tgt Ion:	117	Resp:	255138
Ion Ratio	Lower	Upper	
117	100		
82	58.1	47.5	71.3
119	30.6	25.6	38.4

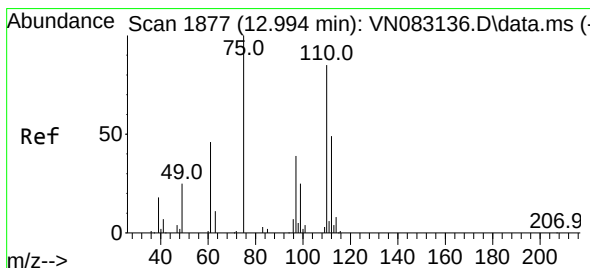
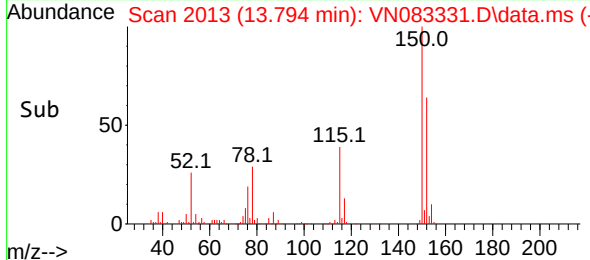
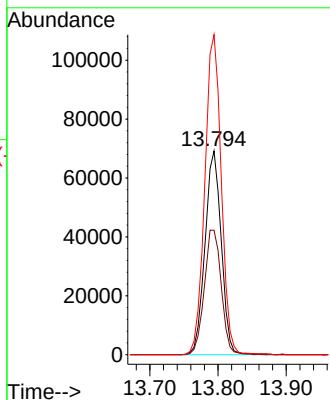
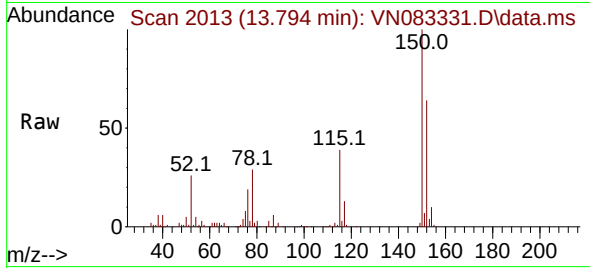




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

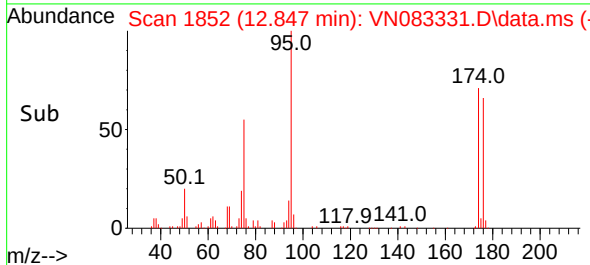
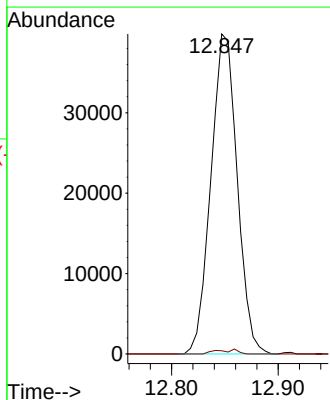
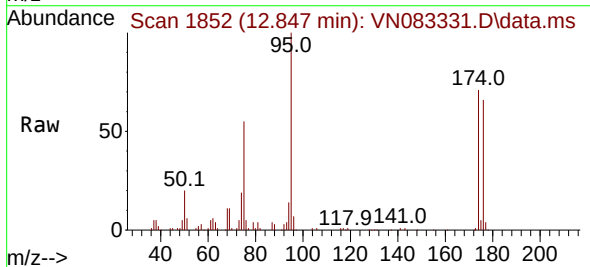
Instrument :
MSVOA_N
ClientSampleId :
920-J-WPO-0.25-081424

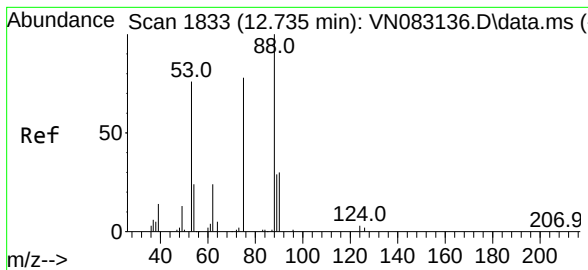
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	30.6	91.6
150	158.8	0.0	348.6



#76
1,2,3-Trichloropropane
Concen: 27.098 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083331.D
Acq: 15 Aug 2024 15:11

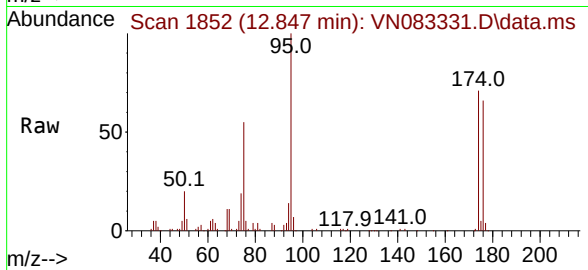
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	110.9	332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.944 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083331.D
 Acq: 15 Aug 2024 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 920-J-WPO-0.25-081424



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

