

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081424\
 Data File : VN083312.D
 Acq On : 14 Aug 2024 19:42
 Operator : JC\MD
 Sample : P3601-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 23:26:10 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

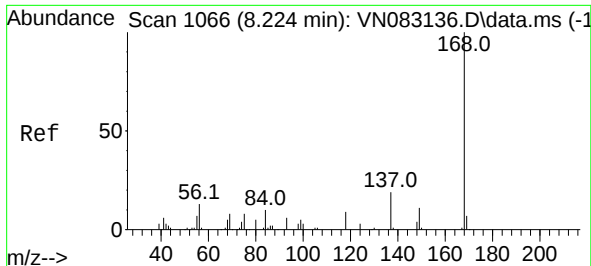
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	125717	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	247320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	104805	58.569	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 117.140%		
35) Dibromofluoromethane	8.171	113	83752	54.253	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 108.500%		
50) Toluene-d8	10.571	98	309735	53.788	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 107.580%		
62) 4-Bromofluorobenzene	12.847	95	127869	56.958	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 113.920%		
Target Compounds						Qvalue
3) Chloromethane	2.360	50	551	0.378	ug/l	89
4) Vinyl Chloride	2.512	62	924	0.620	ug/l #	50
6) Chloroethane	3.118	64	539	0.578	ug/l #	41
16) Acetone	4.436	43	2896	4.136	ug/l #	79
17) Carbon Disulfide	4.712	76	993	0.244	ug/l #	75
25) 2-Butanone	7.489	43	570	0.530	ug/l #	53
27) cis-1,2-Dichloroethene	7.494	96	651	0.375	ug/l	75
29) Tetrahydrofuran	7.841	42	5451	7.843	ug/l #	85
31) Cyclohexane	8.218	56	3365	1.269	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	11636	4.983	ug/l #	50
37) Ethyl Acetate	7.489	43	570	0.218	ug/l #	1
38) Carbon Tetrachloride	8.218	117	14065	5.348	ug/l #	15
41) Methacrylonitrile	7.847	41	3462	2.329	ug/l #	49
43) Isopropyl Acetate	8.683	43	1543	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.559	43	1486	0.601	ug/l #	1
52) Toluene	10.630	92	14433	3.284	ug/l	100
76) 1,2,3-Trichloropropane	12.847	75	71911	27.996	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71911	60.898	ug/l #	6

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

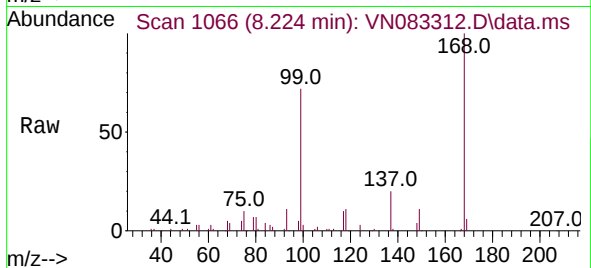
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Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration



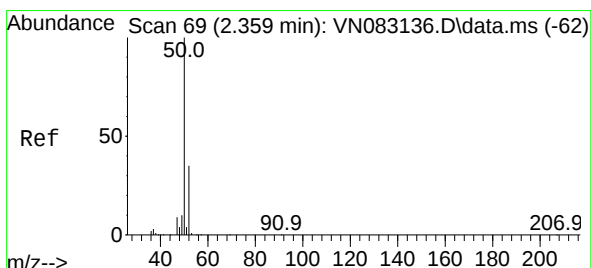
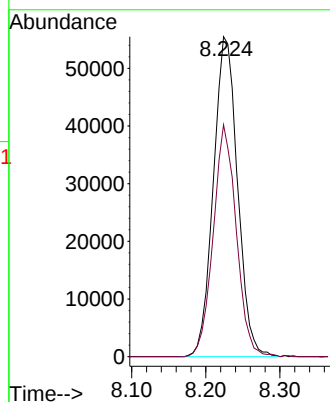
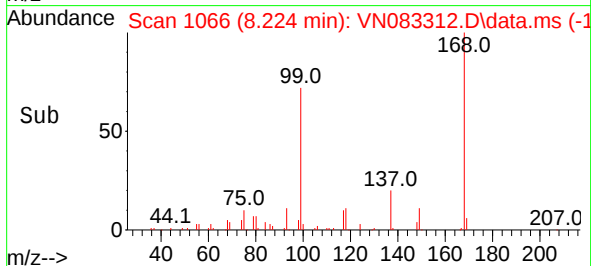


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

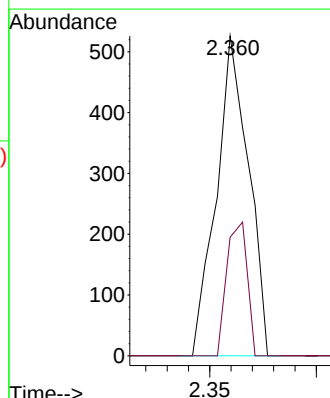
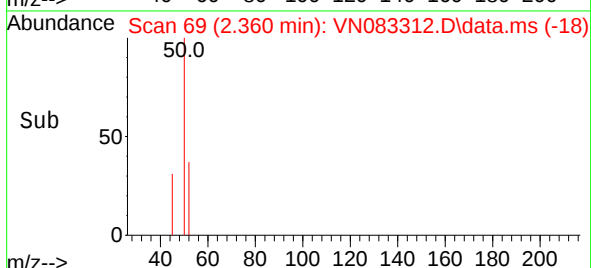
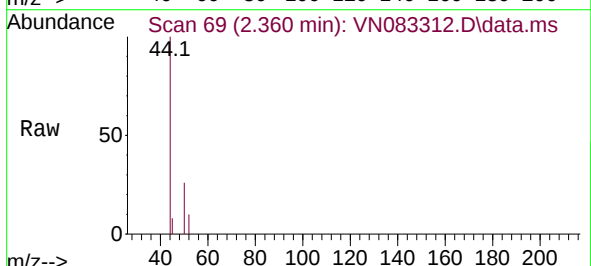


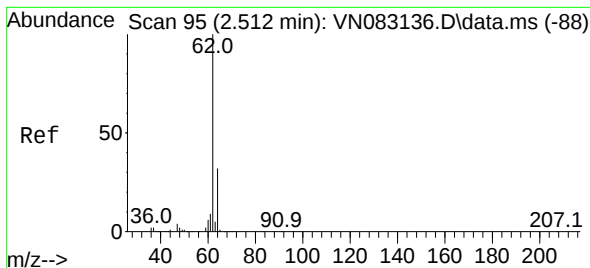
Tgt Ion:168 Resp: 125717
Ion Ratio Lower Upper
168 100
99 72.4 48.2 72.4#



#3
Chloromethane
Concen: 0.378 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

Tgt Ion: 50 Resp: 551
Ion Ratio Lower Upper
50 100
52 37.1 25.0 37.4





#4

Vinyl Chloride

Concen: 0.620 ug/l

RT: 2.512 min Scan# 90

Delta R.T. 0.000 min

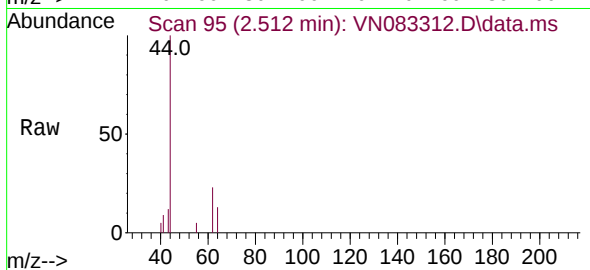
Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

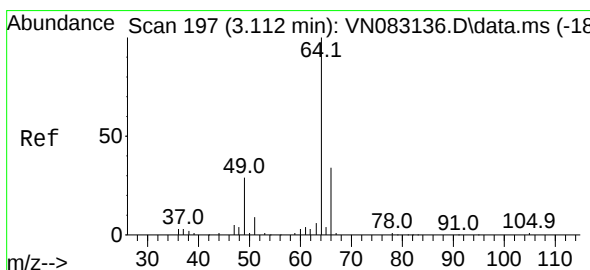
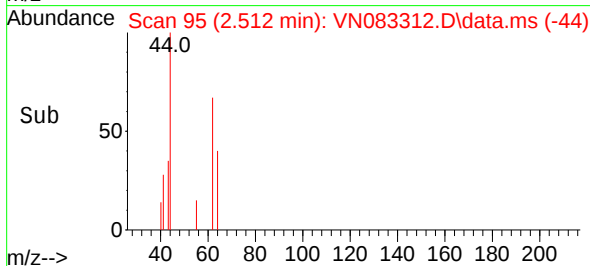
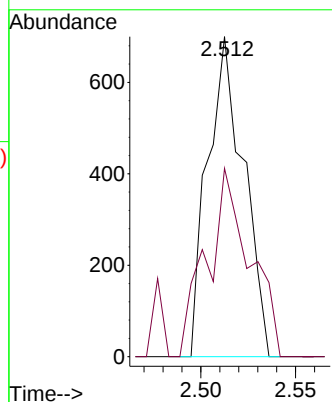


Tgt Ion: 62 Resp: 924

Ion Ratio Lower Upper

62 100

64 58.9 25.0 37.6#



#6

Chloroethane

Concen: 0.578 ug/l

RT: 3.118 min Scan# 198

Delta R.T. 0.006 min

Lab File: VN083312.D

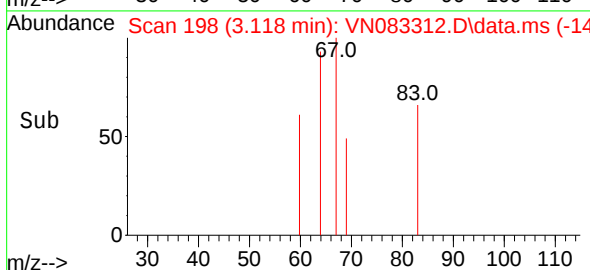
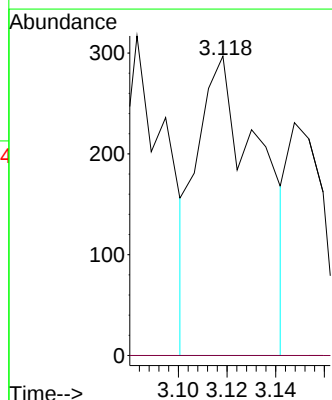
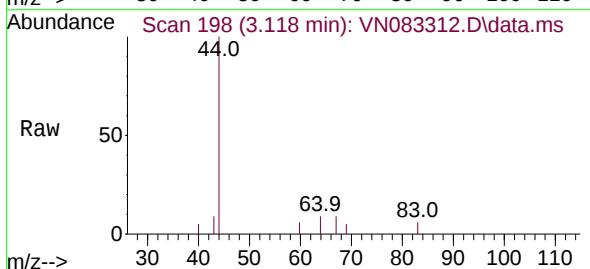
Acq: 14 Aug 2024 19:42

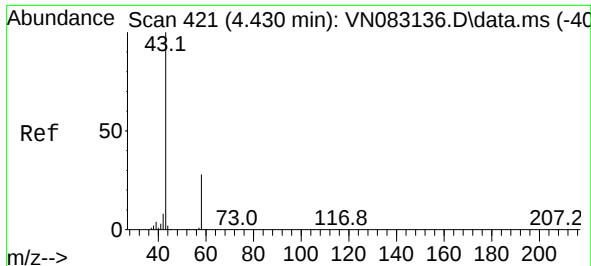
Tgt Ion: 64 Resp: 539

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#





#16

Acetone

Concen: 4.136 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

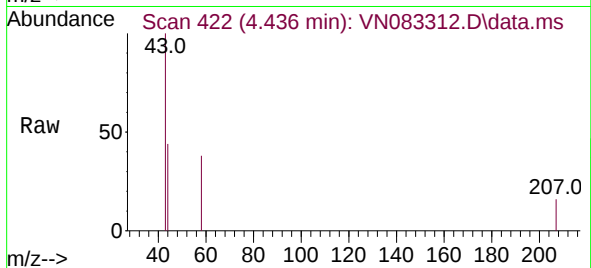
Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

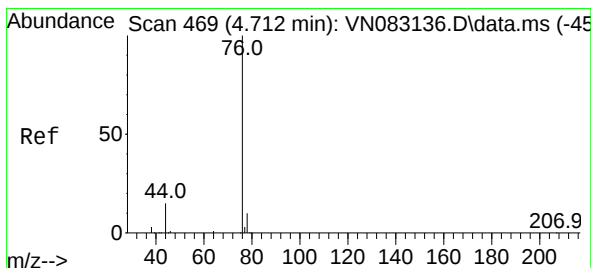
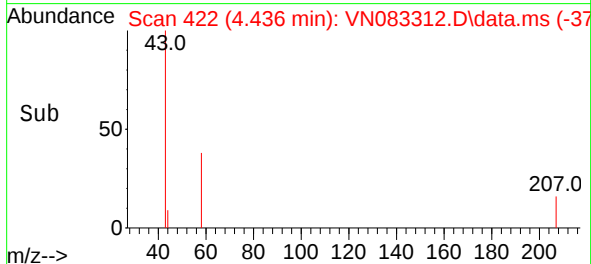
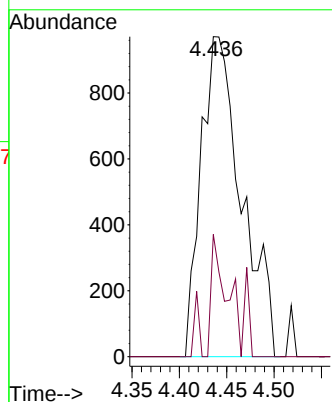


Tgt Ion: 43 Resp: 2896

Ion Ratio Lower Upper

43 100

58 38.2 21.8 32.6#



#17

Carbon Disulfide

Concen: 0.244 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN083312.D

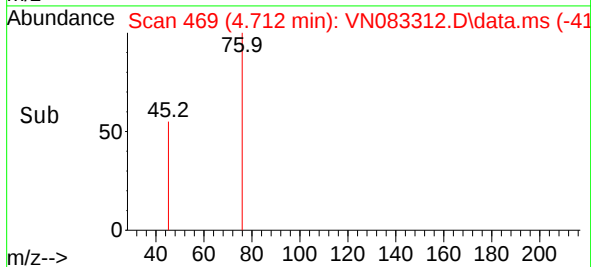
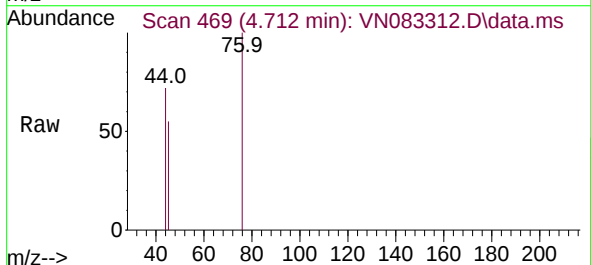
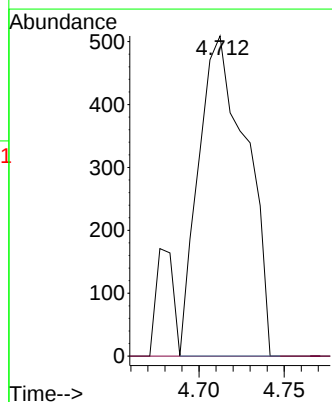
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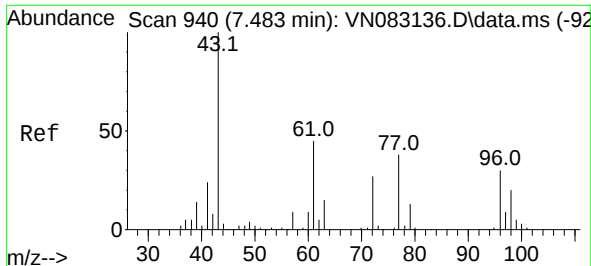
Tgt Ion: 76 Resp: 993

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#25

2-Butanone

Concen: 0.530 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

Instrument :

MSVOA_N

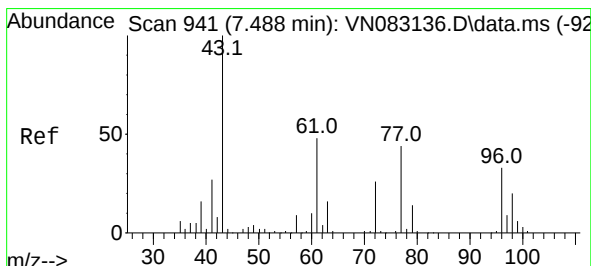
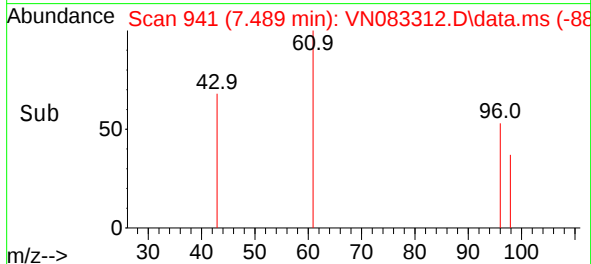
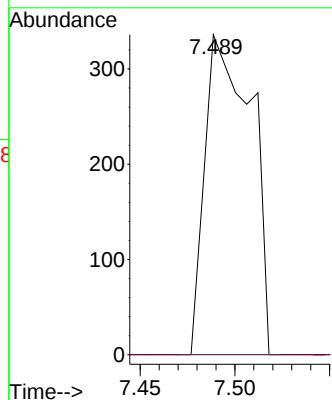
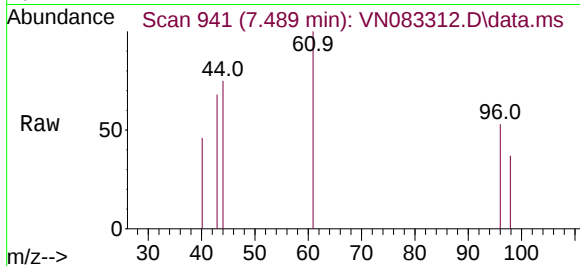
ClientSampleId :

Tgt Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



#27

cis-1,2-Dichloroethene

Concen: 0.375 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.006 min

Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

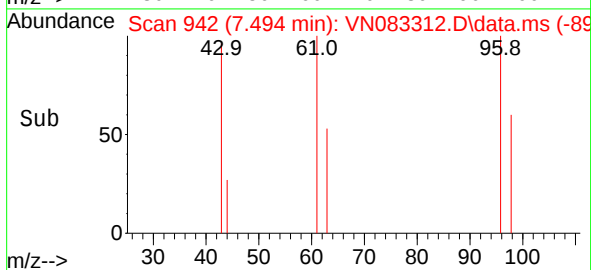
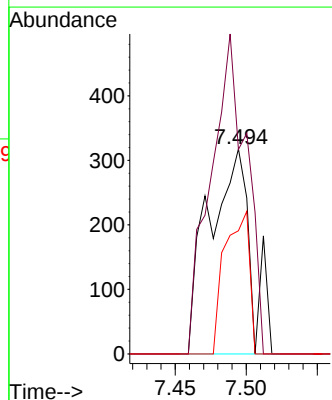
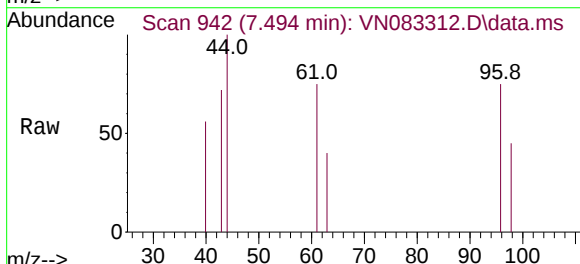
Tgt Ion: 96 Resp: 651

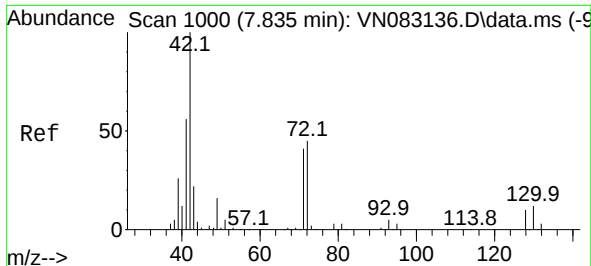
Ion Ratio Lower Upper

96 100

61 133.0 0.0 329.6

98 40.9 0.0 128.6





#29

Tetrahydrofuran

Concen: 7.843 ug/l

RT: 7.841 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

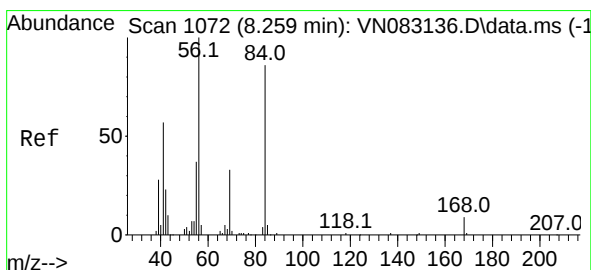
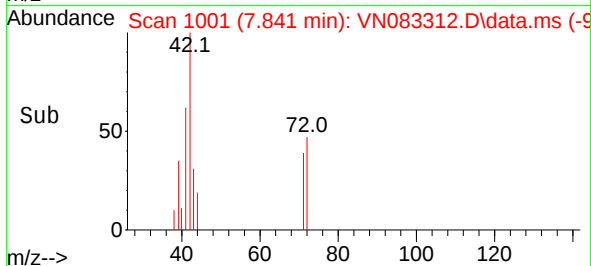
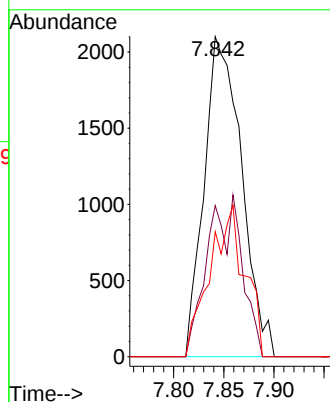
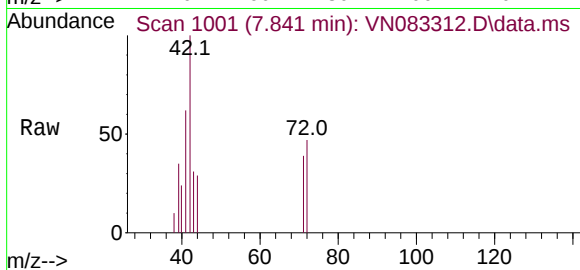
Tgt Ion: 42 Resp: 5451

Ion Ratio Lower Upper

42 100

72 28.1 30.0 45.0#

71 44.2 28.3 42.5#



#31

Cyclohexane

Concen: 1.269 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

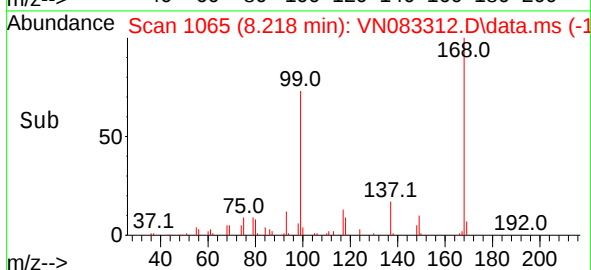
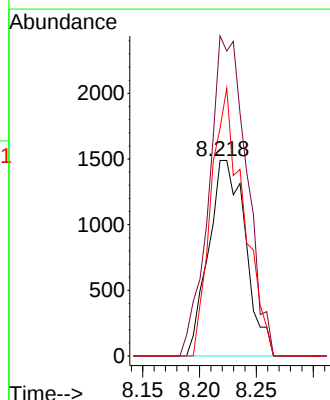
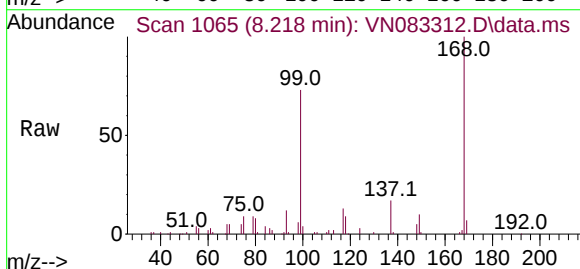
Tgt Ion: 56 Resp: 3365

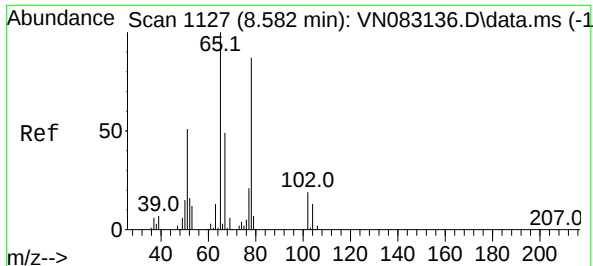
Ion Ratio Lower Upper

56 100

69 163.7 24.5 36.7#

84 116.4 66.0 99.0#

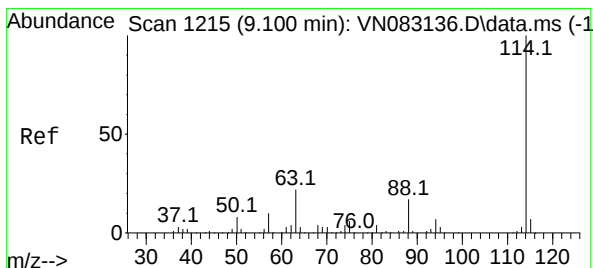
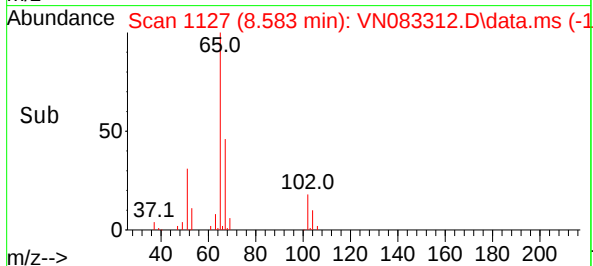
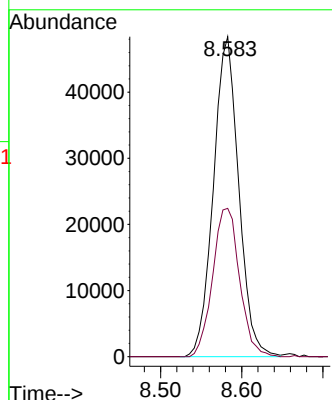
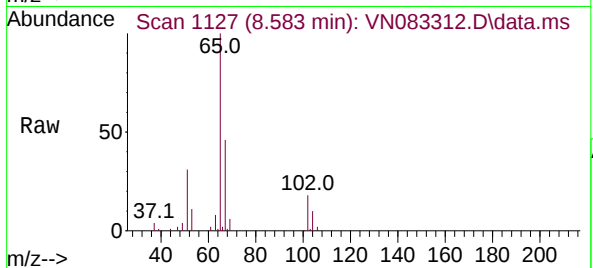




#33
1,2-Dichloroethane-d4
Concen: 58.569 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

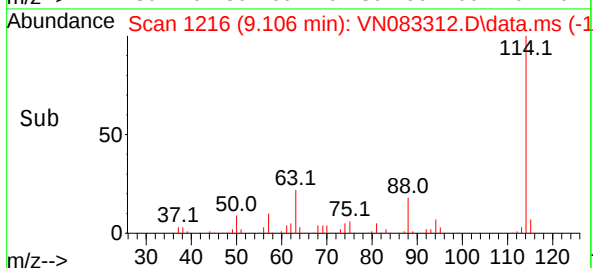
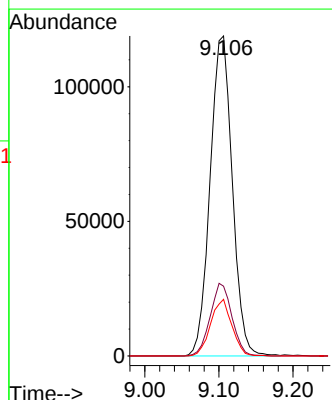
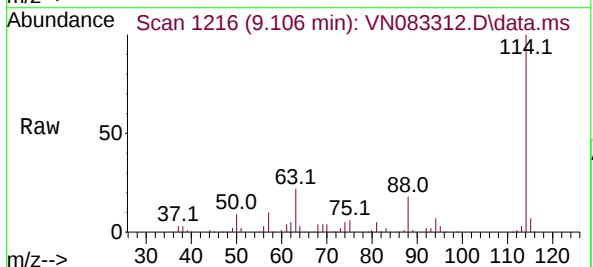
Instrument :
MSVOA_N
ClientSampleId :

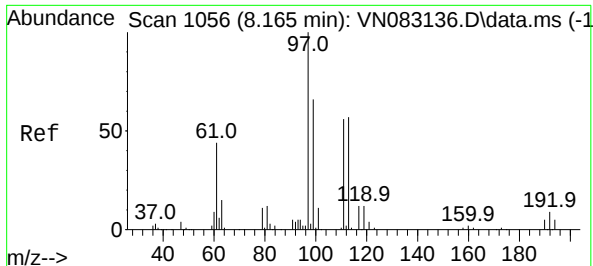
Tgt Ion: 65 Resp: 104805
Ion Ratio Lower Upper
65 100
67 49.3 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

Tgt Ion:114 Resp: 247320
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.6
88 17.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.253 ug/l

RT: 8.171 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

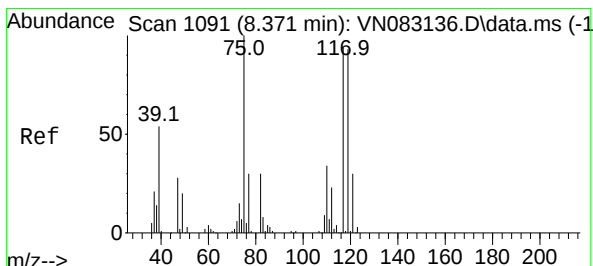
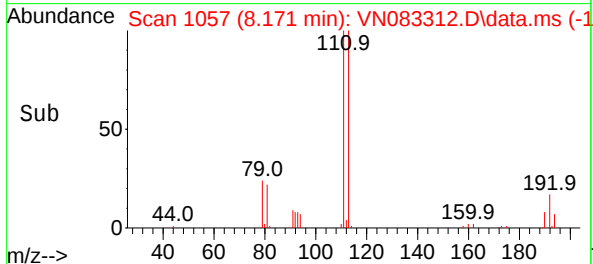
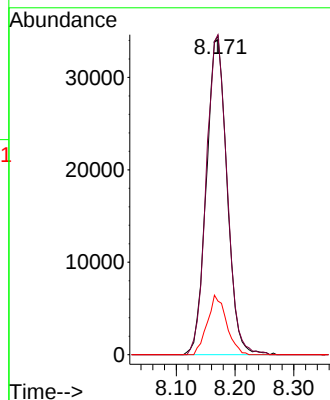
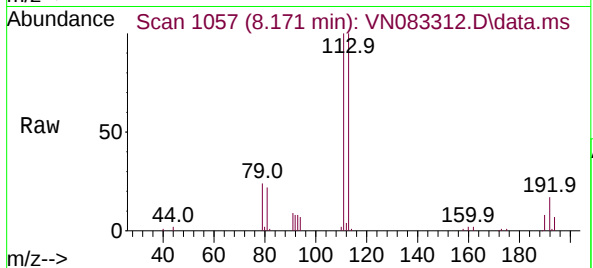
Tgt Ion:113 Resp: 83752

Ion Ratio Lower Upper

113 100

111 100.7 82.4 123.6

192 17.4 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.983 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

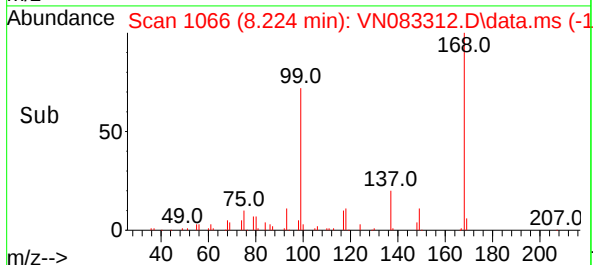
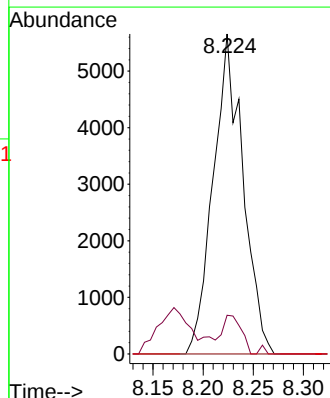
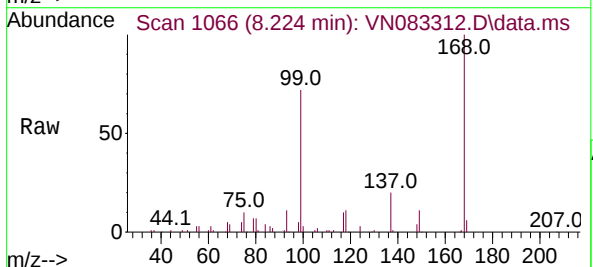
Tgt Ion: 75 Resp: 11636

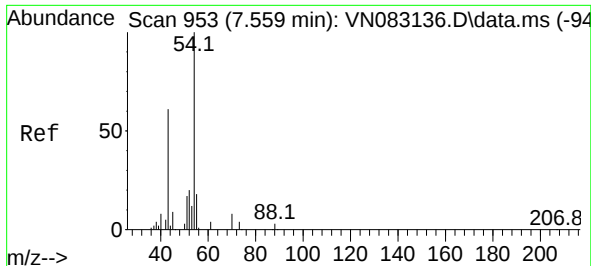
Ion Ratio Lower Upper

75 100

110 7.6 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.218 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.070 min

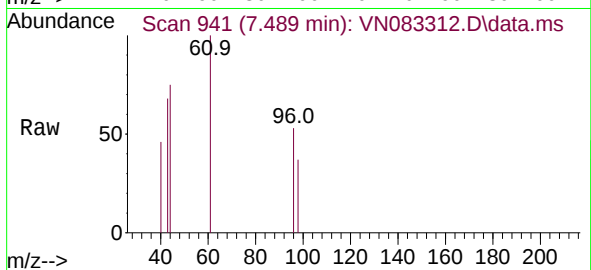
Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :



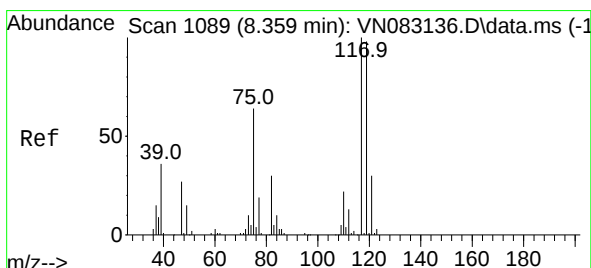
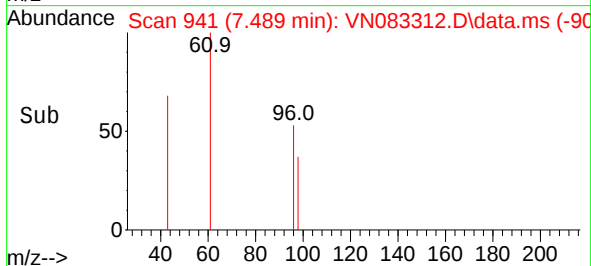
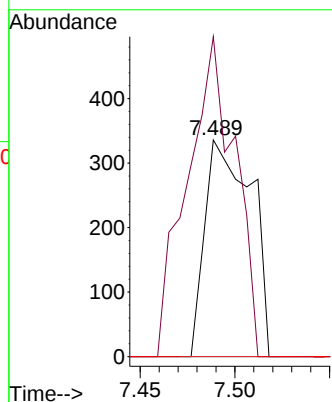
Tgt Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

61 151.9 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.348 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

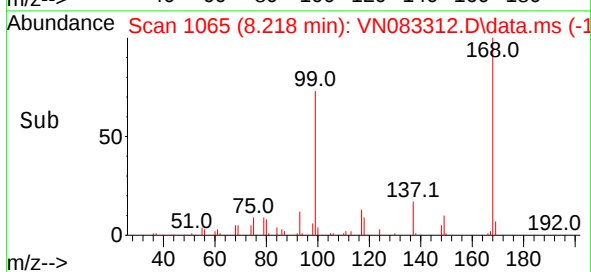
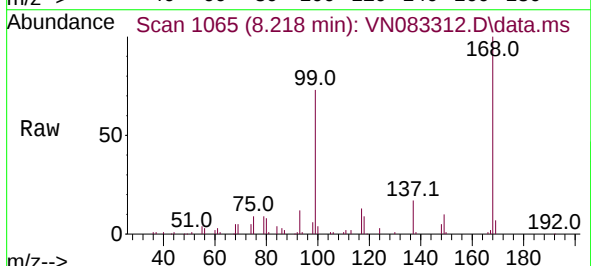
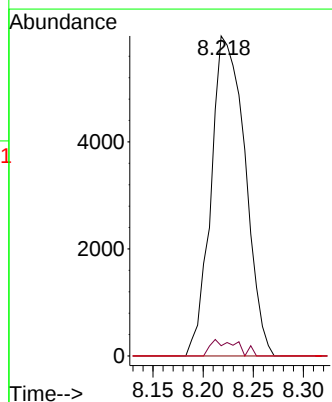
Tgt Ion: 117 Resp: 14065

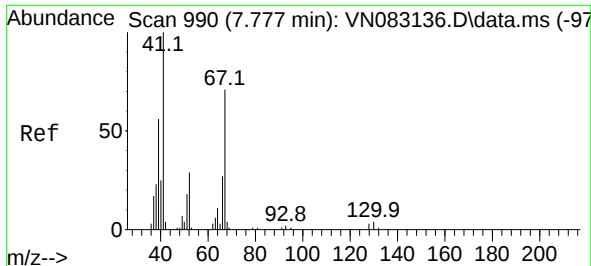
Ion Ratio Lower Upper

117 100

119 3.2 74.9 112.3#

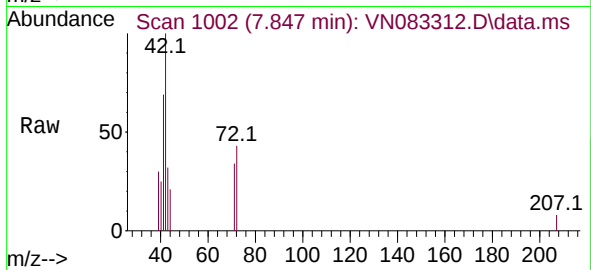
121 0.0 24.3 36.5#



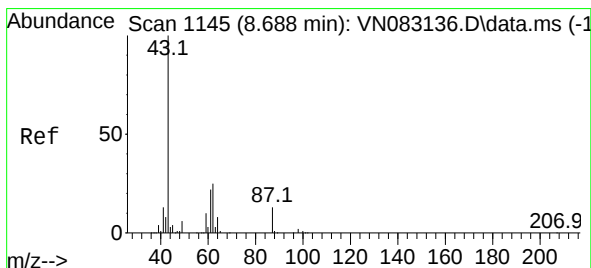
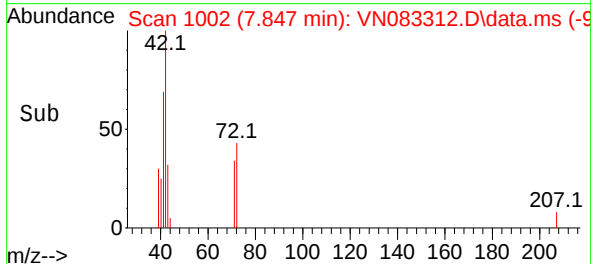
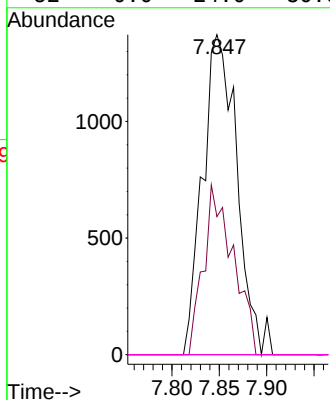


#41
Methacrylonitrile
Concen: 2.329 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

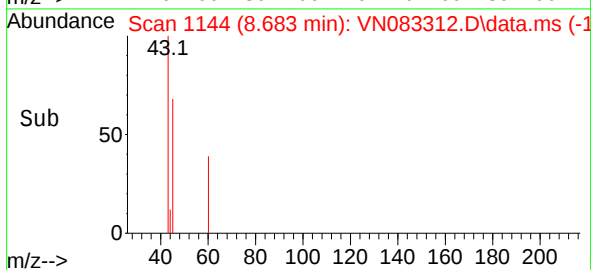
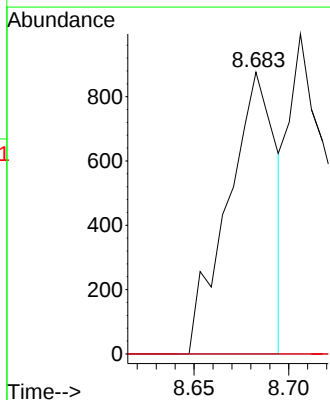
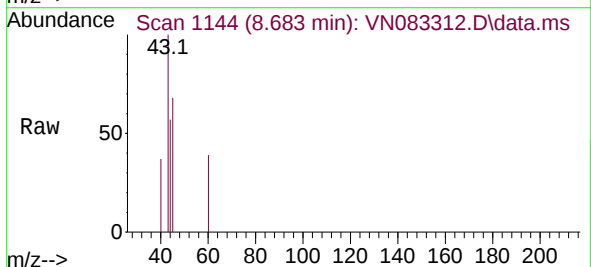


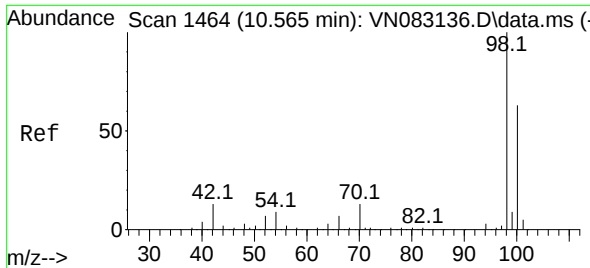
Tgt Ion:	41	Resp:	3462
Ion	Ratio	Lower	Upper
41	100		
39	45.7	45.5	68.3
67	0.0	50.5	75.7#
52	0.0	24.0	36.0#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.683 min Scan# 1144
Delta R.T. -0.005 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

Tgt Ion:	43	Resp:	1543
Ion	Ratio	Lower	Upper
43	100		
61	0.0	17.8	26.6#
87	0.0	8.2	12.2#

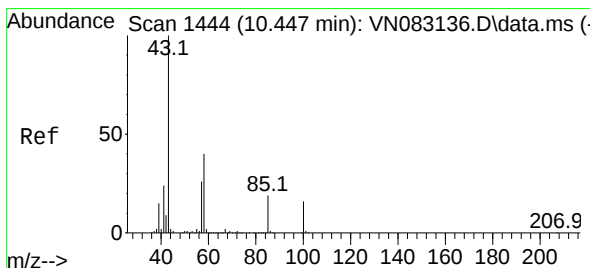
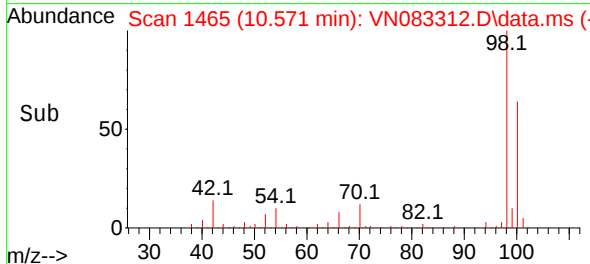
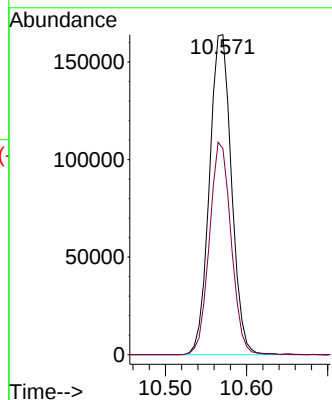
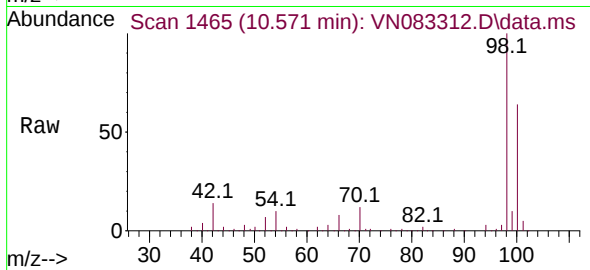




#50
Toluene-d8
Concen: 53.788 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

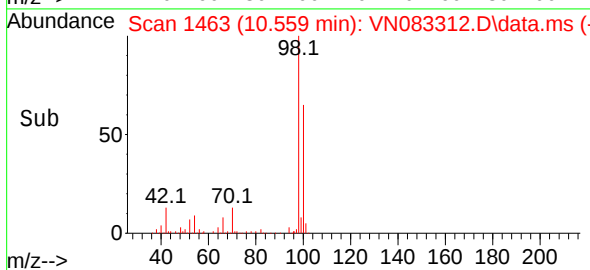
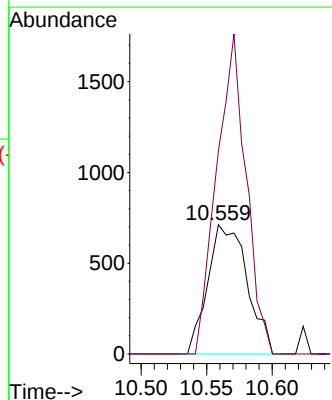
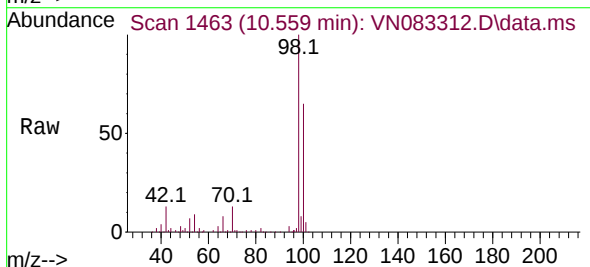
Instrument :
MSVOA_N
ClientSampleId :

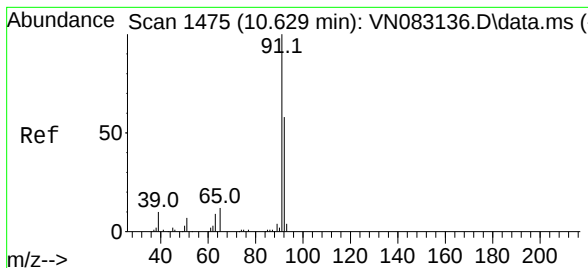
Tgt Ion: 98 Resp: 309735
Ion Ratio Lower Upper
98 100
100 65.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.601 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

Tgt Ion: 43 Resp: 1486
Ion Ratio Lower Upper
43 100
58 185.1 28.2 42.4#





#52

Toluene

Concen: 3.284 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

Instrument :

MSVOA_N

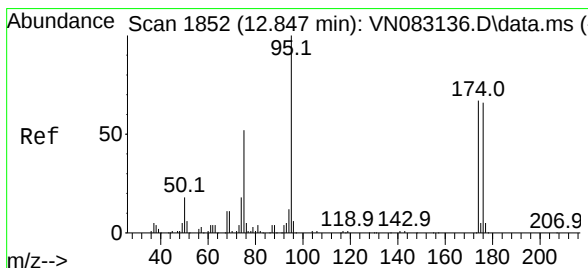
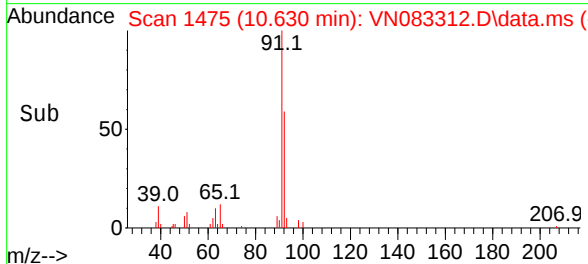
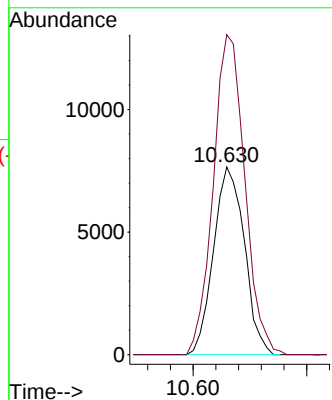
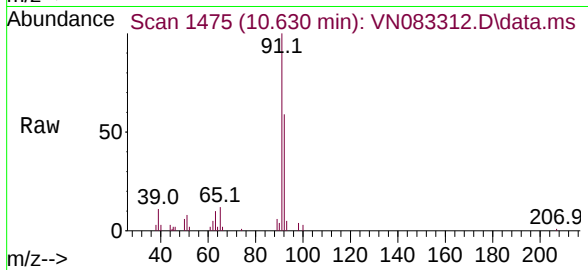
ClientSampleId :

Tgt Ion: 92 Resp: 14433

Ion Ratio Lower Upper

92 100

91 174.6 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 56.958 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN083312.D

Acq: 14 Aug 2024 19:42

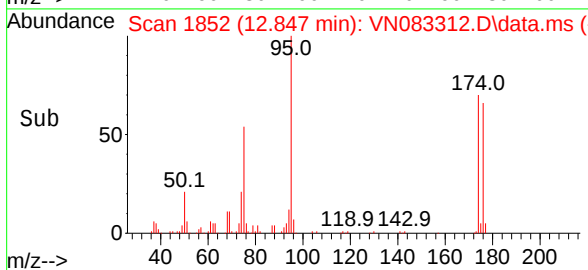
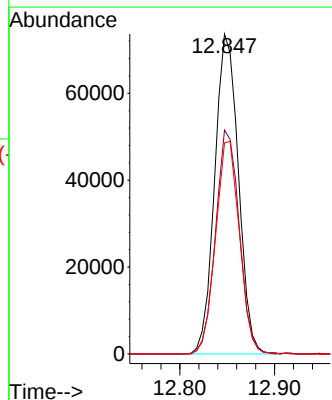
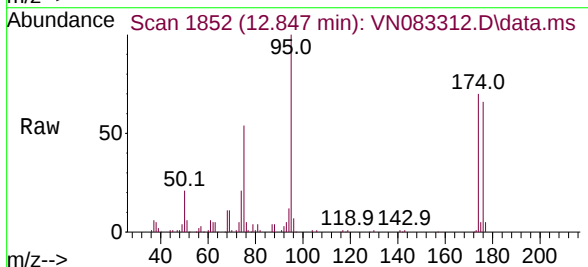
Tgt Ion: 95 Resp: 127869

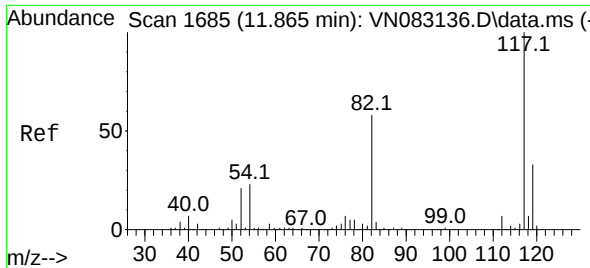
Ion Ratio Lower Upper

95 100

174 69.7 0.0 159.2

176 67.6 0.0 147.6

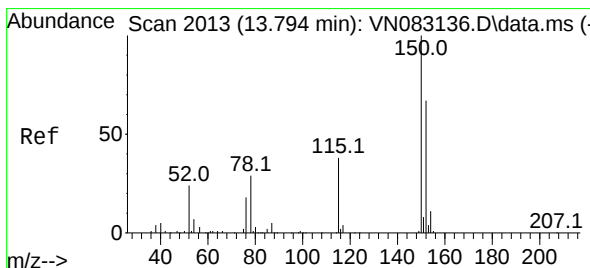
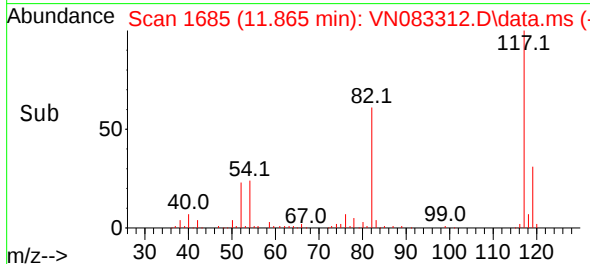
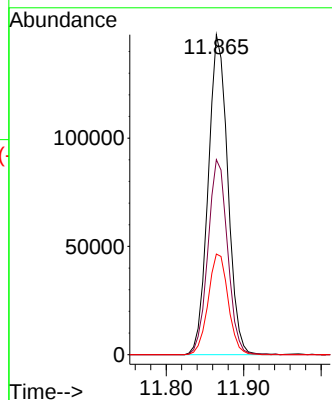
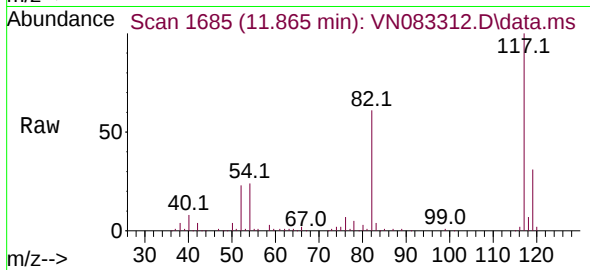




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

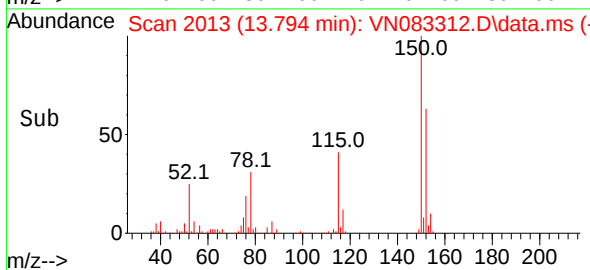
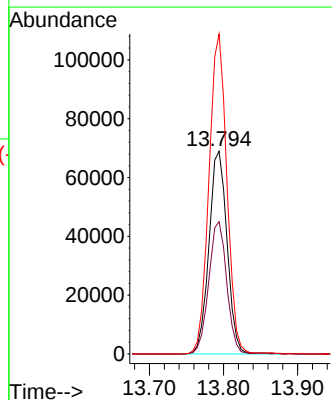
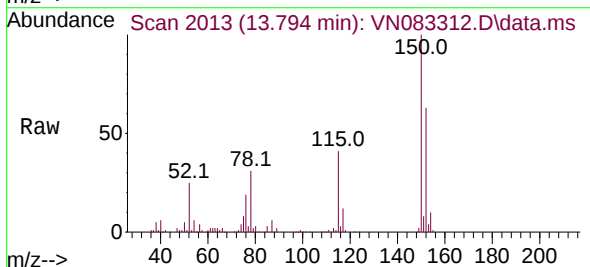
Instrument :
MSVOA_N
ClientSampleId :

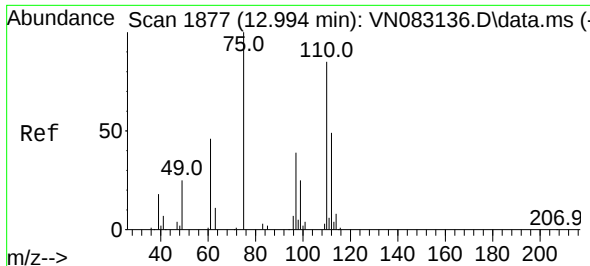
Tgt Ion:117 Resp: 259031
Ion Ratio Lower Upper
117 100
82 60.9 47.5 71.3
119 31.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

Tgt Ion:152 Resp: 117034
Ion Ratio Lower Upper
152 100
115 64.8 30.6 91.6
150 155.6 0.0 348.6

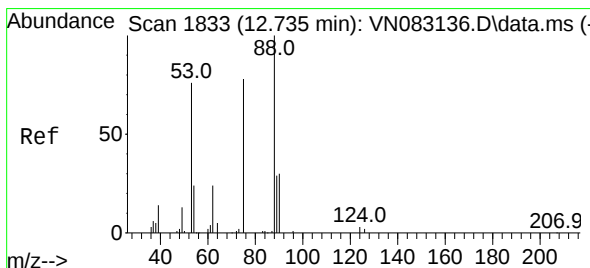
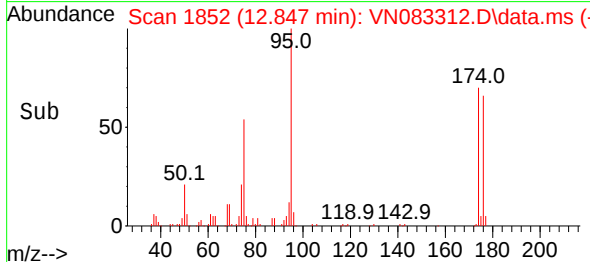
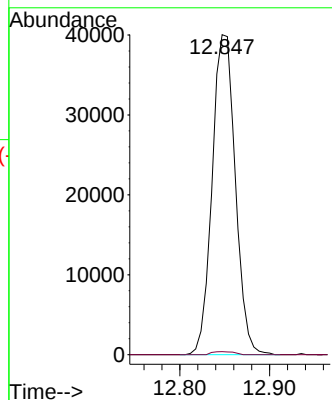
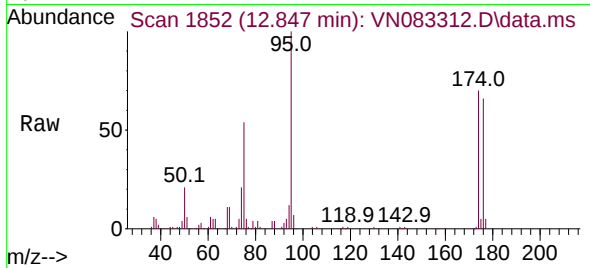




#76
1,2,3-Trichloropropane
Concen: 27.996 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 71911
Ion Ratio Lower Upper
75 100
77 0.9 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.898 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083312.D
Acq: 14 Aug 2024 19:42

Tgt Ion: 75 Resp: 71911
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

