

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090324\
 Data File : VN083632.D
 Acq On : 03 Sep 2024 18:21
 Operator : JC\MD
 Sample : PB163072TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 04 03:00:40 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)

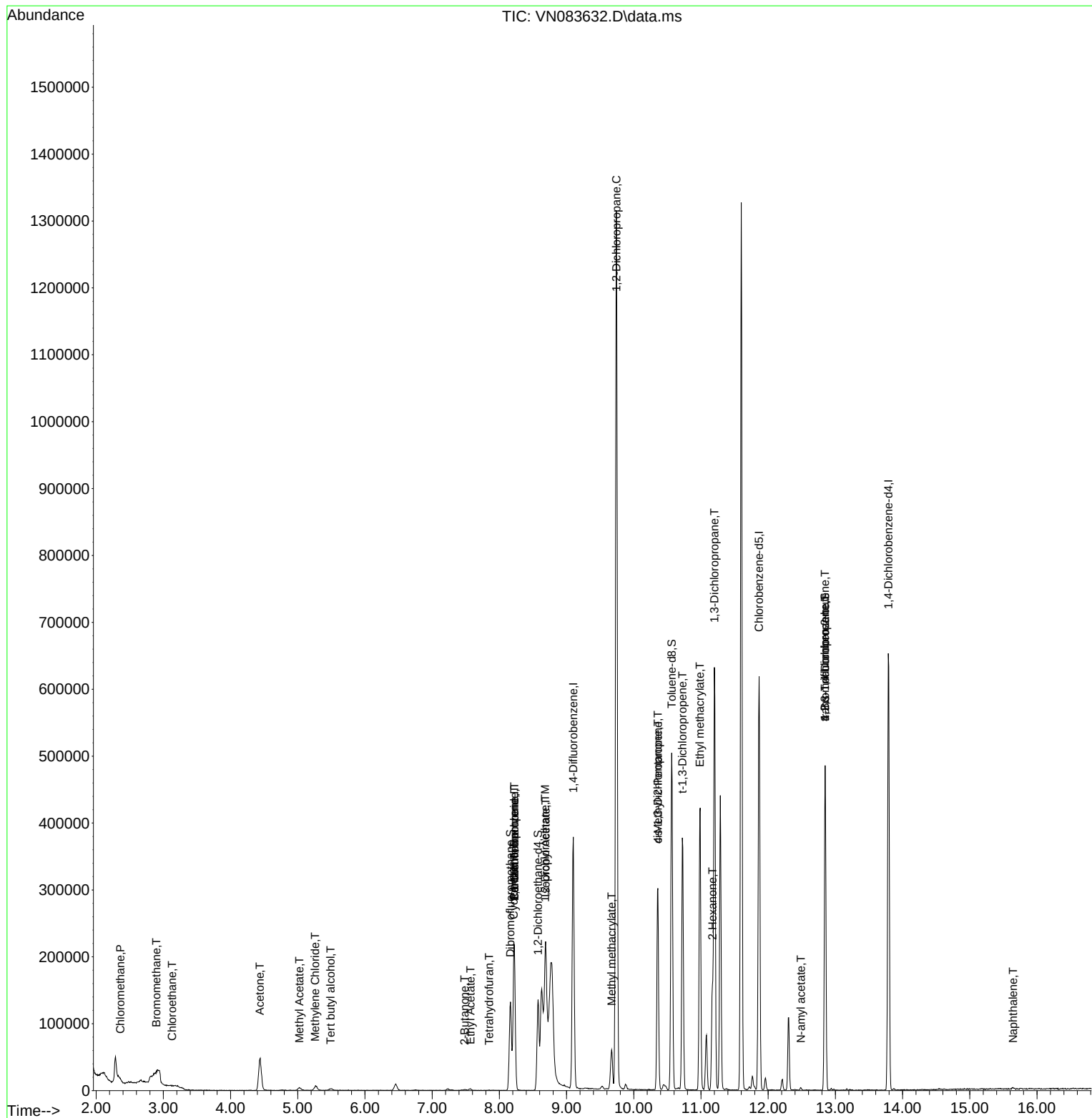
Internal Standards						
1) Pentafluorobenzene	8.224	168	150851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	338934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	169433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117610	55.785	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.560%
35) Dibromofluoromethane	8.165	113	92573	49.743	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.480%
50) Toluene-d8	10.565	98	342667	47.292	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.580%
62) 4-Bromofluorobenzene	12.847	95	166944	62.184	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	124.360%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	977	0.525	ug/l #	41
5) Bromomethane	2.895	94	197	0.201	ug/l #	2
6) Chloroethane	3.130	64	466	0.383	ug/l #	45
11) Tert butyl alcohol	5.489	59	2213	6.732	ug/l #	71
16) Acetone	4.436	43	24275	28.873	ug/l #	85
18) Methyl Acetate	5.024	43	8172	3.655	ug/l	96
20) Methylene Chloride	5.259	84	5548	2.988	ug/l #	87
25) 2-Butanone	7.483	43	2420	2.114	ug/l #	49
29) Tetrahydrofuran	7.847	42	234	0.330	ug/l #	32
31) Cyclohexane	8.212	56	3714	1.139	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	13982	4.926	ug/l #	50
37) Ethyl Acetate	7.571	43	3904	1.382	ug/l #	93
38) Carbon Tetrachloride	8.224	117	17138	5.291	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	959	0.296	ug/l #	77
43) Isopropyl Acetate	8.688	43	286927	50.626	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1526	0.750	ug/l #	42
48) Methyl methacrylate	9.671	41	4116	1.776	ug/l #	44
51) 4-Methyl-2-Pentanone	10.359	43	115763	44.075	ug/l #	46
53) t-1,3-Dichloropropene	10.724	75	946	0.286	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	54689	15.755	ug/l #	57
56) Ethyl methacrylate	10.982	69	981	0.304	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6990	2.025	ug/l #	42
59) 2-Hexanone	11.171	43	129893	65.899	ug/l #	24
74) N-amyl acetate	12.488	43	1517	0.255	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	92348	26.996	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	92348	63.672	ug/l #	9
95) Naphthalene	15.647	128	2931	0.267	ug/l #	87

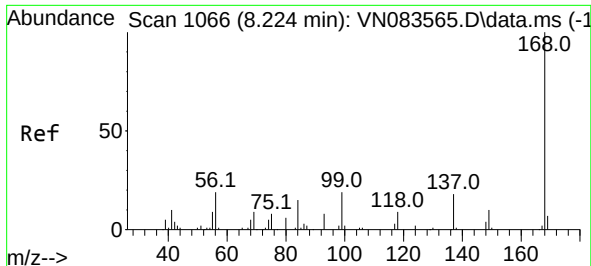
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 31 00:48:10 2024
Response via : Initial Calibration

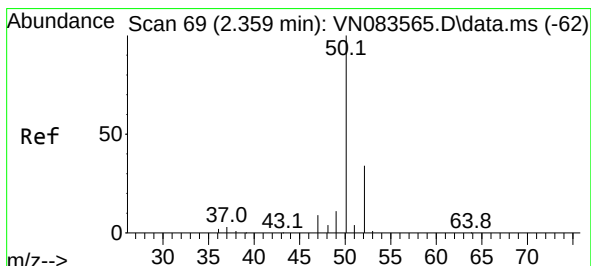
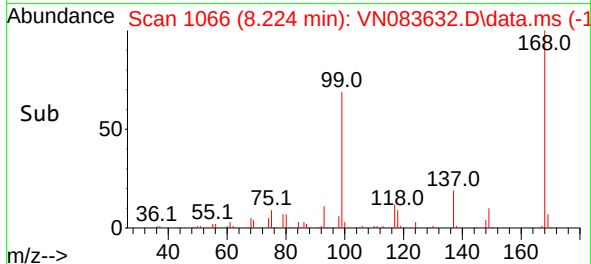
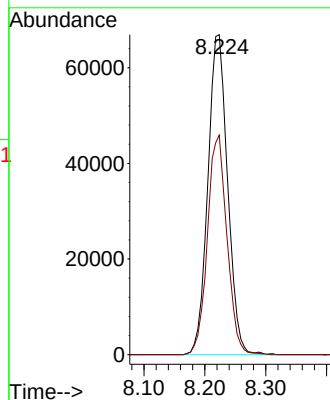
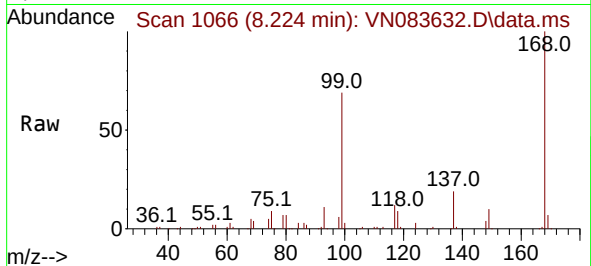




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

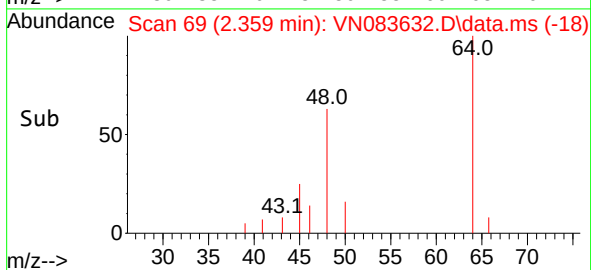
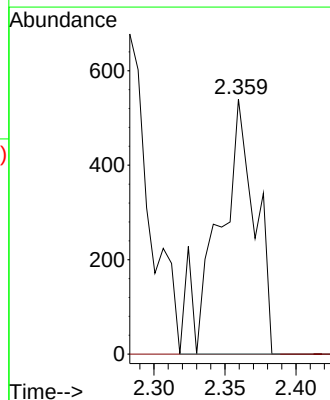
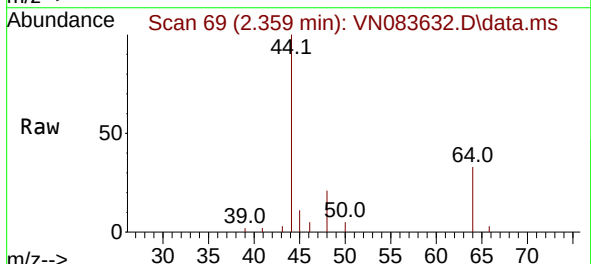
Instrument :
MSVOA_N
ClientSampleId :

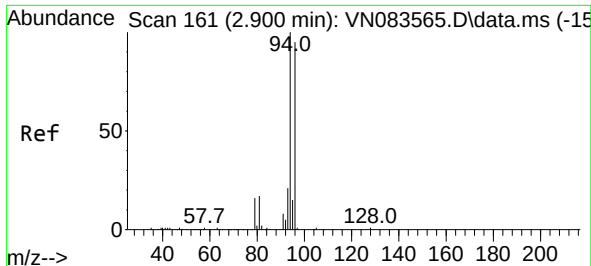
Tgt Ion:168 Resp: 150851
Ion Ratio Lower Upper
168 100
99 68.6 54.2 81.2



#3
Chloromethane
Concen: 0.525 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Tgt Ion: 50 Resp: 977
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

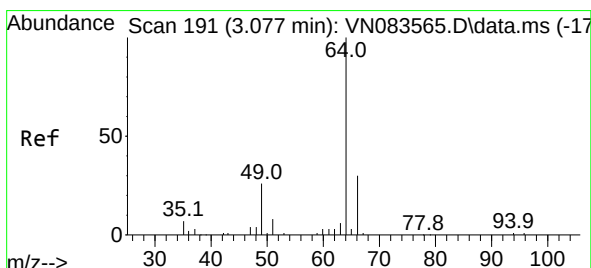
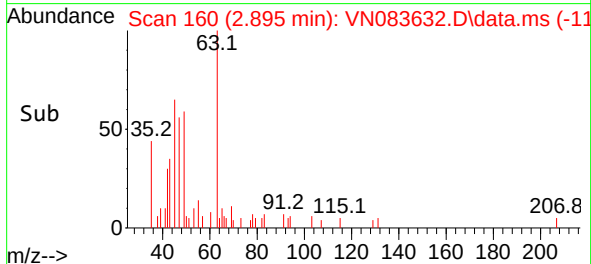
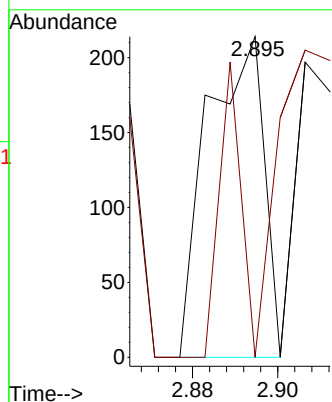
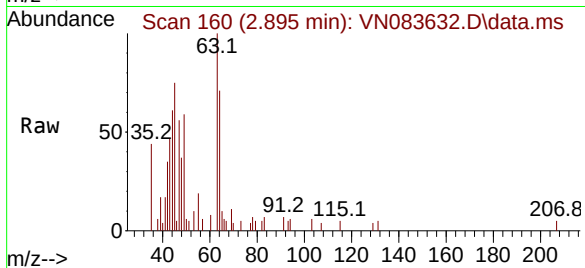




#5
Bromomethane
Concen: 0.201 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

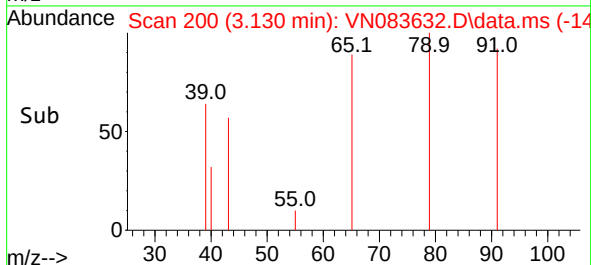
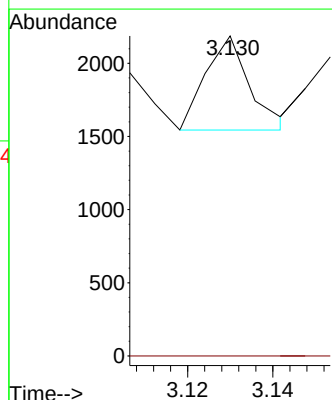
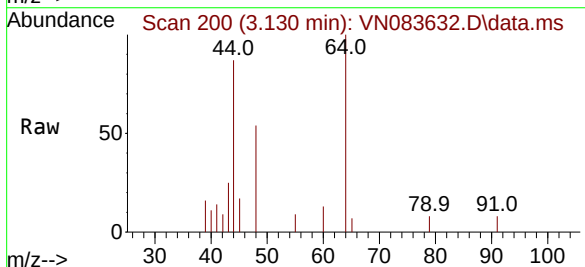
Instrument :
MSVOA_N
ClientSampleId :

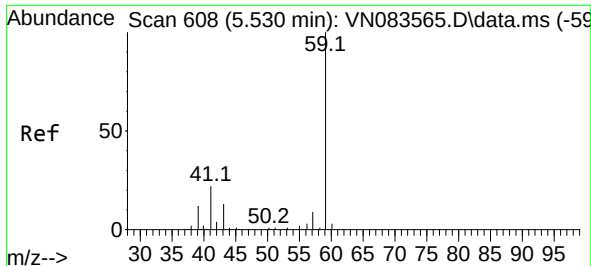
Tgt Ion: 94 Resp: 197
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.383 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.053 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Tgt Ion: 64 Resp: 466
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#





#11

Tert butyl alcohol

Concen: 6.732 ug/l

RT: 5.489 min Scan# 608

Delta R.T. -0.041 min

Lab File: VN083632.D

Acq: 03 Sep 2024 18:21

Instrument :

MSVOA_N

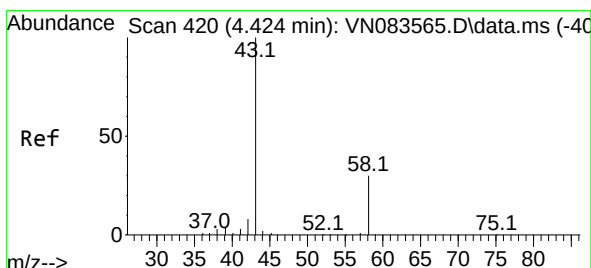
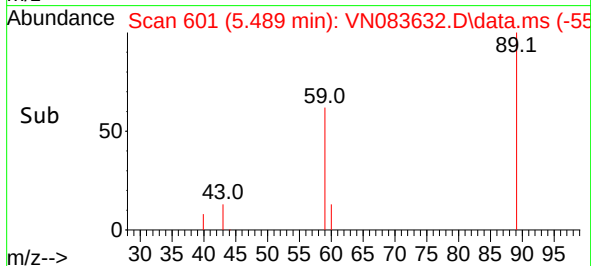
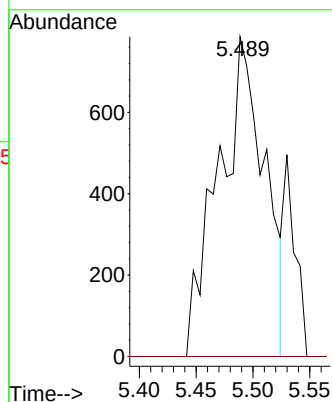
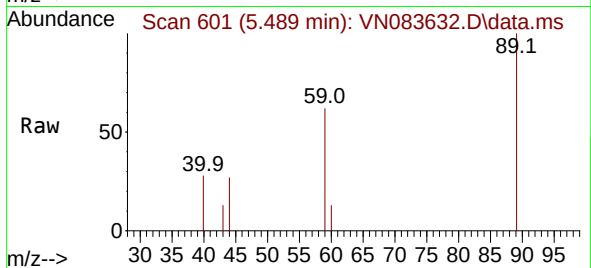
ClientSampleId :

Tgt Ion: 59 Resp: 2213

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 28.873 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN083632.D

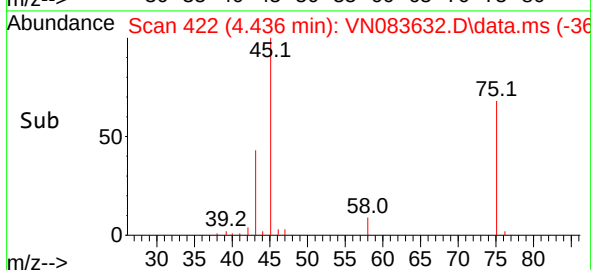
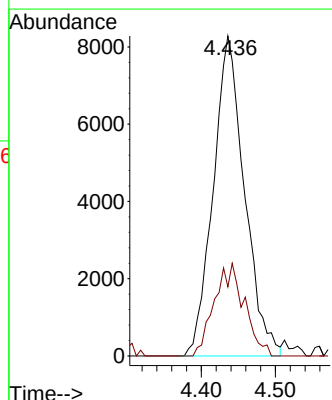
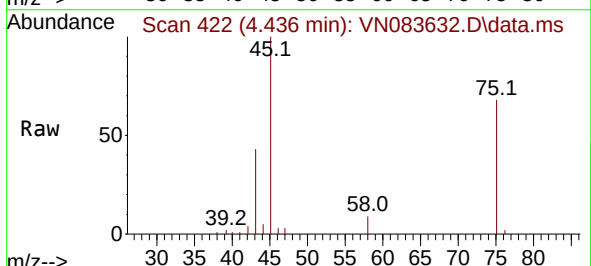
Acq: 03 Sep 2024 18:21

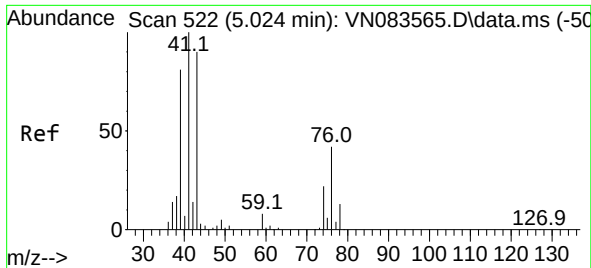
Tgt Ion: 43 Resp: 24275

Ion Ratio Lower Upper

43 100

58 21.6 23.7 35.5#

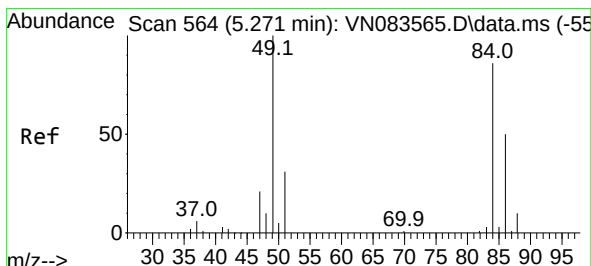
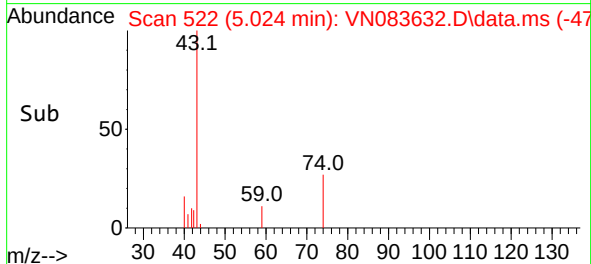
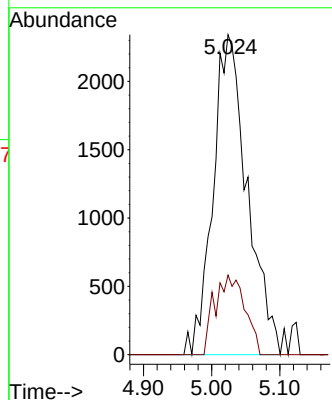
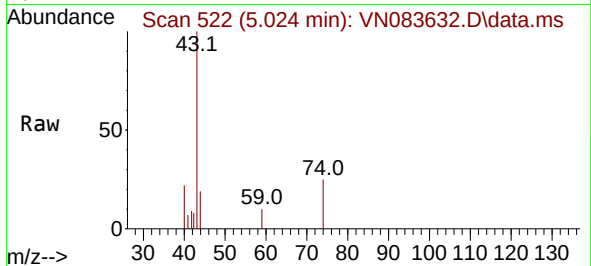




#18
Methyl Acetate
Concen: 3.655 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

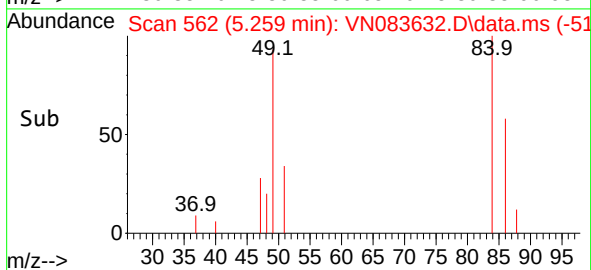
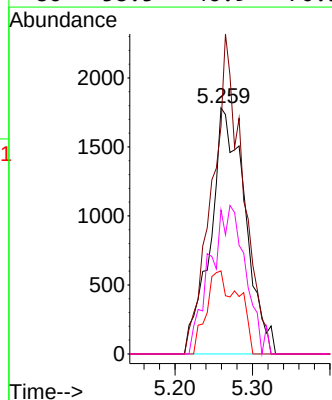
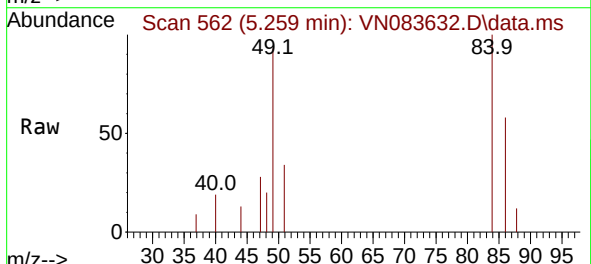
Instrument :
MSVOA_N
ClientSampleId :

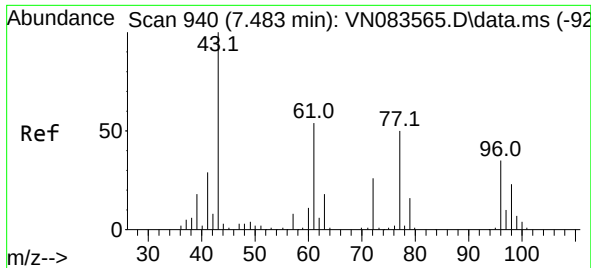
Tgt Ion: 43 Resp: 8172
Ion Ratio Lower Upper
43 100
74 21.9 19.0 28.4



#20
Methylene Chloride
Concen: 2.988 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Tgt Ion: 84 Resp: 5548
Ion Ratio Lower Upper
84 100
49 92.5 93.4 140.0#
51 33.8 29.2 43.8
86 58.5 46.9 70.3

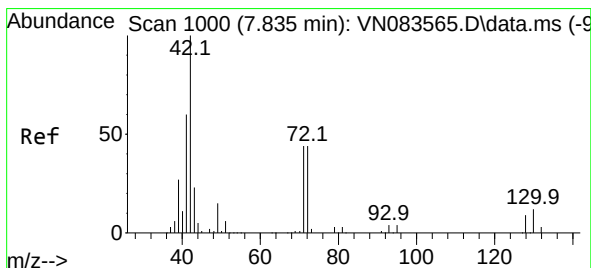
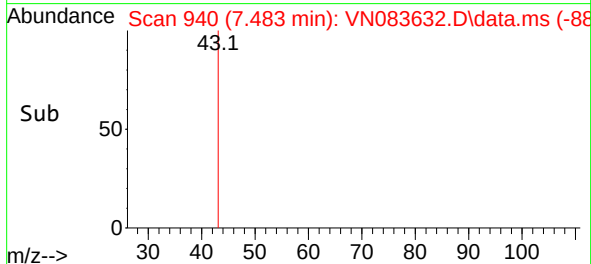
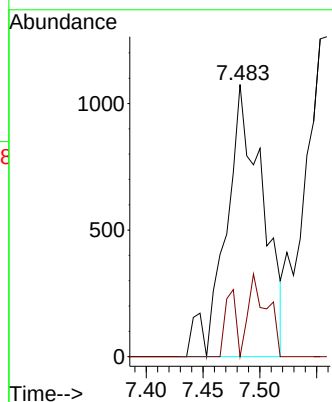
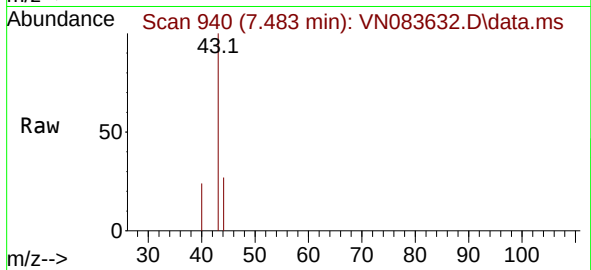




#25
2-Butanone
Concen: 2.114 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

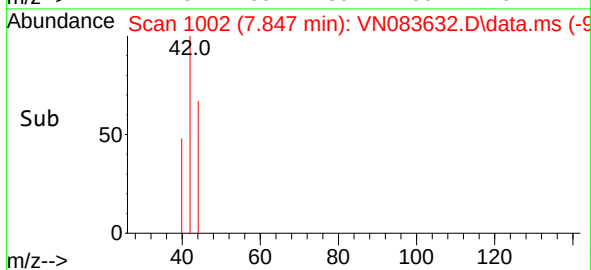
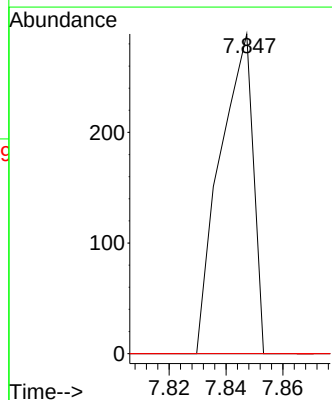
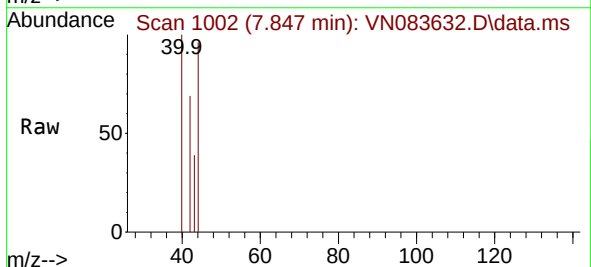
Instrument :
MSVOA_N
ClientSampleId :

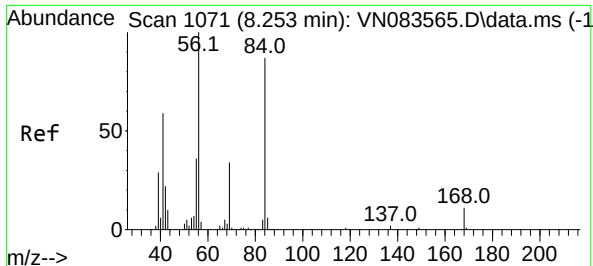
Tgt Ion: 43 Resp: 2420
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#29
Tetrahydrofuran
Concen: 0.330 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Tgt Ion: 42 Resp: 234
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 0.0 33.9 50.9#





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

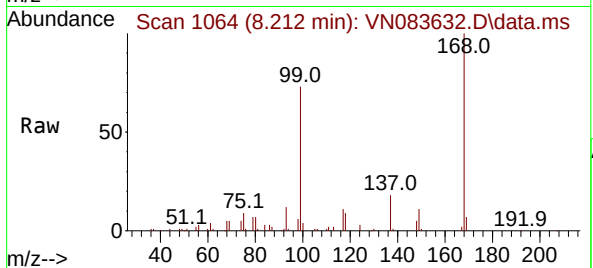
Lab File: VN083632.D

Acq: 03 Sep 2024 18:21

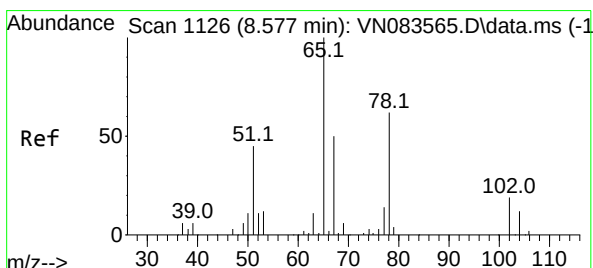
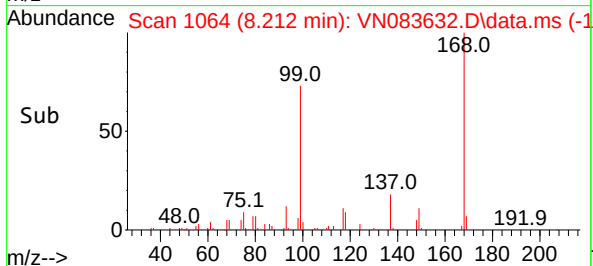
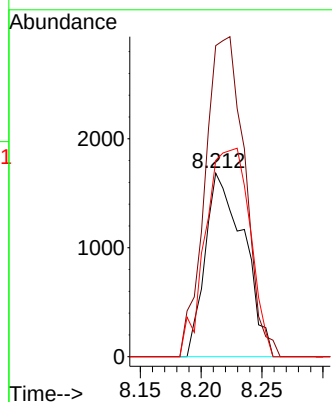
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	3714
Ion	Ratio	Lower	Upper
56	100		
69	169.5	26.9	40.3#
84	107.0	69.2	103.8#



#33

1,2-Dichloroethane-d4

Concen: 55.785 ug/l

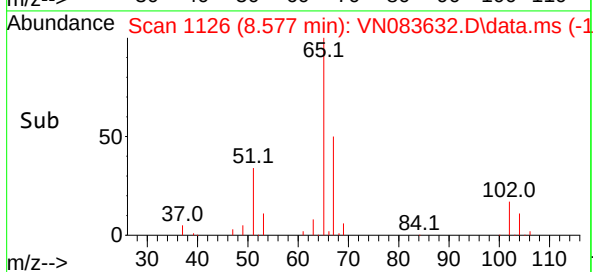
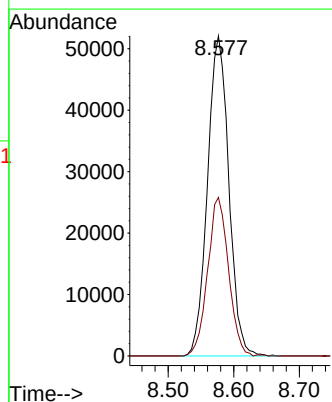
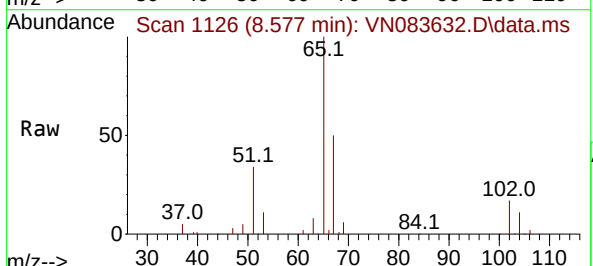
RT: 8.577 min Scan# 1126

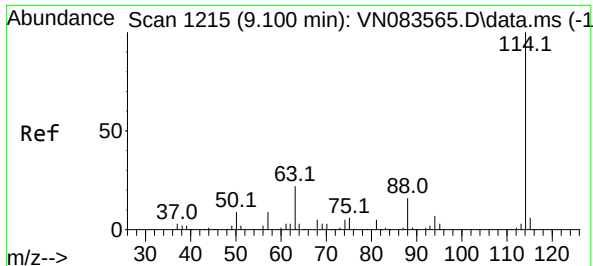
Delta R.T. 0.000 min

Lab File: VN083632.D

Acq: 03 Sep 2024 18:21

Tgt Ion:	65	Resp:	117610
Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	100.8

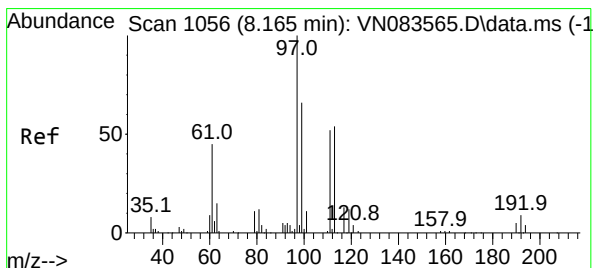
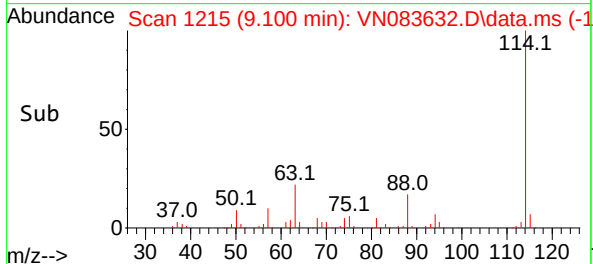
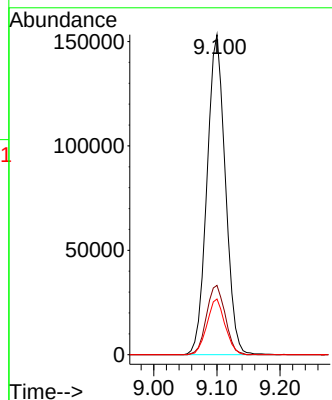
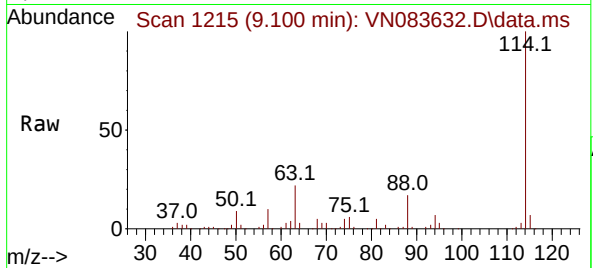




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

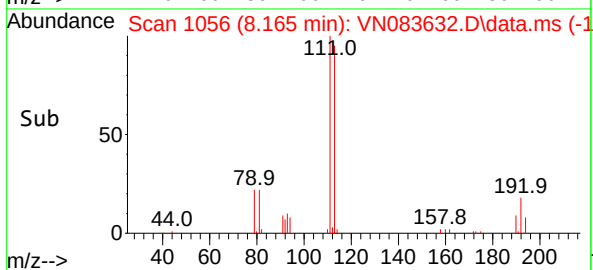
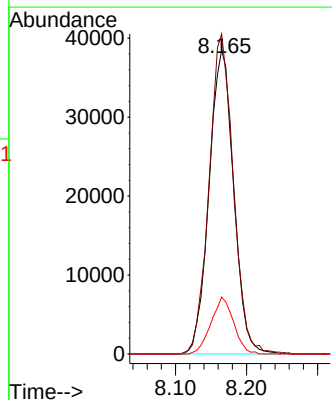
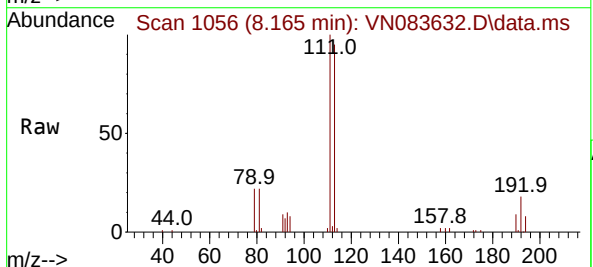
Instrument :
MSVOA_N
ClientSampleId :

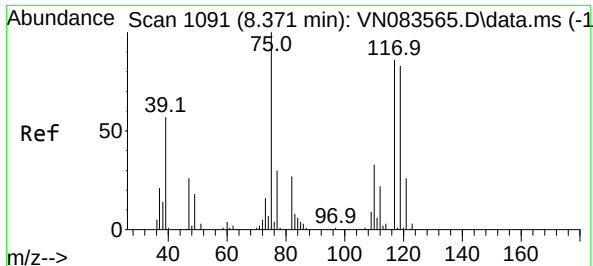
Tgt Ion:114 Resp: 309206
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.4
88 17.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.743 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Tgt Ion:113 Resp: 92573
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 17.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.926 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

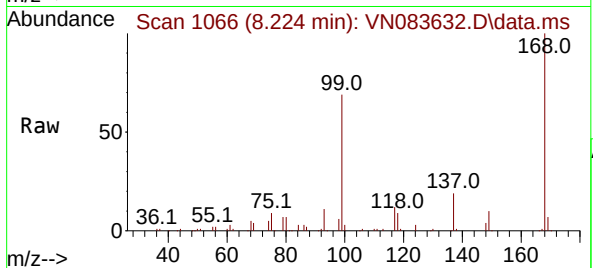
Lab File: VN083632.D

Acq: 03 Sep 2024 18:21

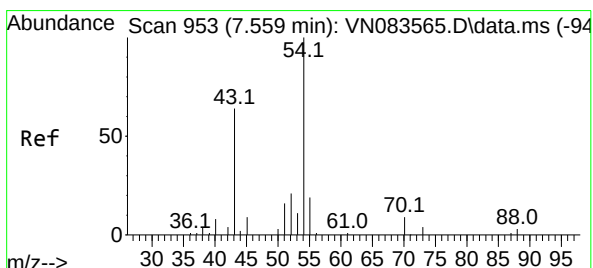
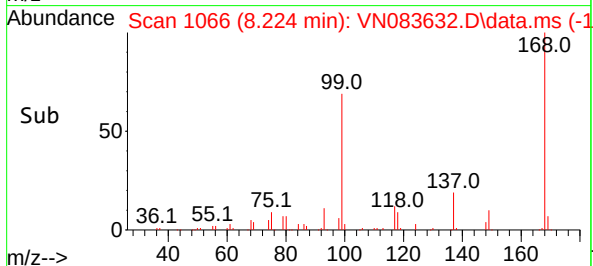
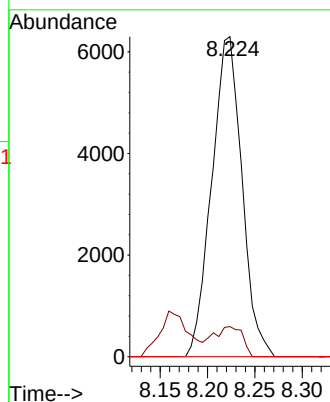
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 13982
Ion Ratio	Lower Upper
75	100
110	9.2 16.7 50.1#
77	0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.382 ug/l

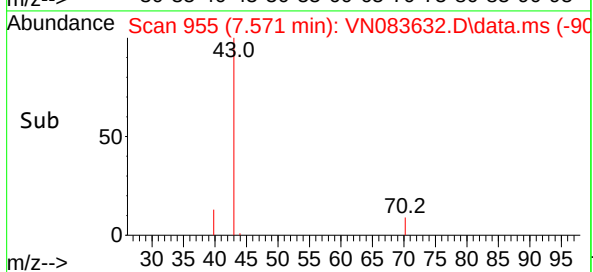
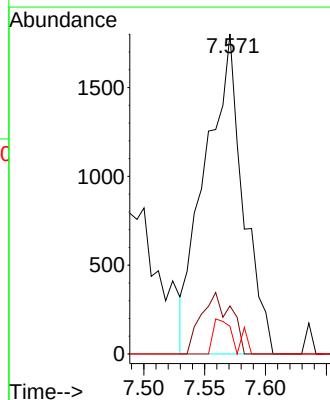
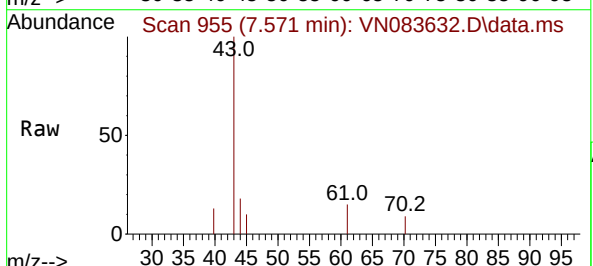
RT: 7.571 min Scan# 955

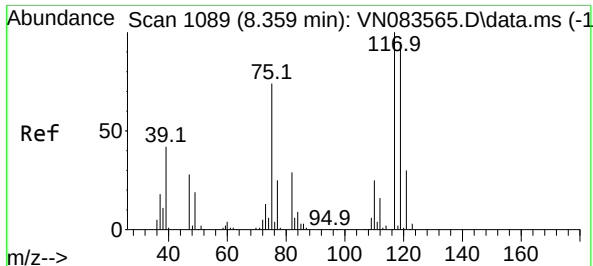
Delta R.T. 0.012 min

Lab File: VN083632.D

Acq: 03 Sep 2024 18:21

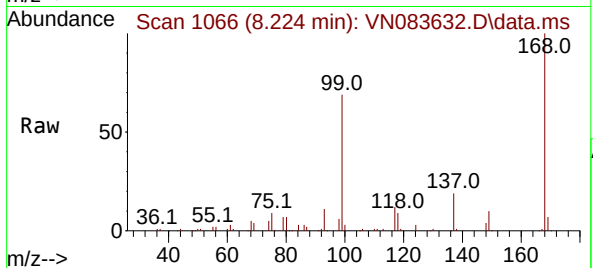
Tgt Ion: 43	Resp: 3904
Ion Ratio	Lower Upper
43	100
61	15.1 11.1 16.7
70	6.2 8.8 13.2#



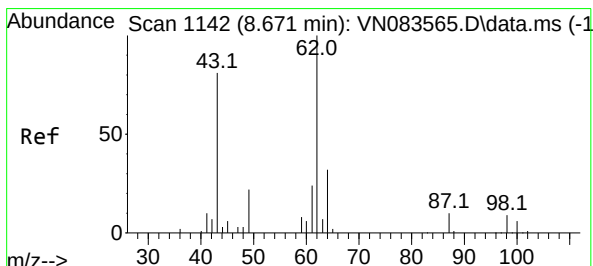
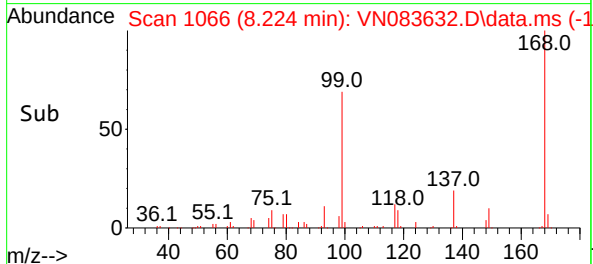
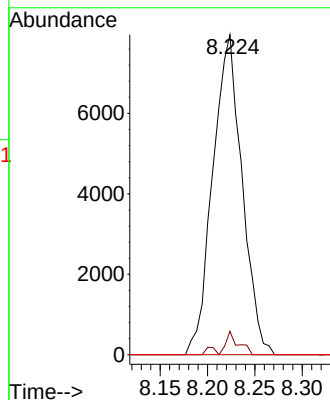


#38
Carbon Tetrachloride
Concen: 5.291 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :

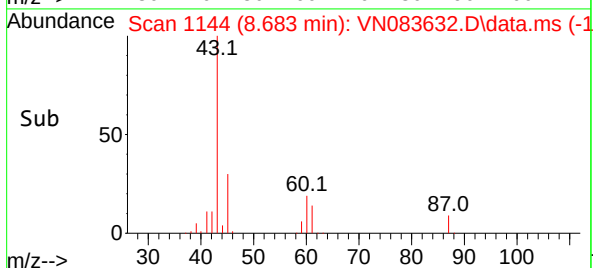
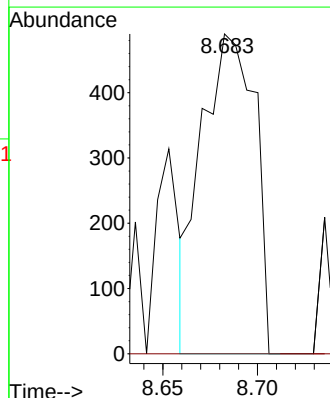
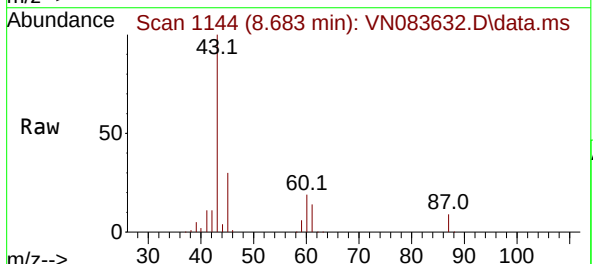


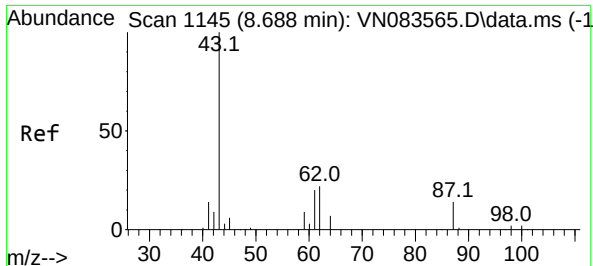
Tgt Ion: 117 Resp: 17138
Ion Ratio Lower Upper
117 100
119 7.3 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.296 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Tgt Ion: 62 Resp: 959
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6

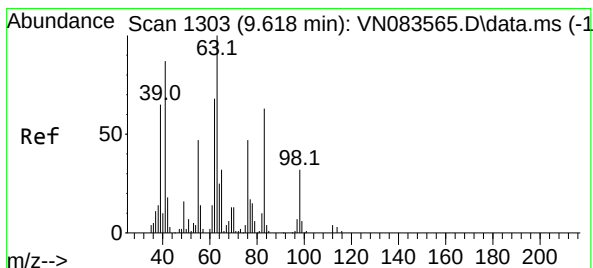
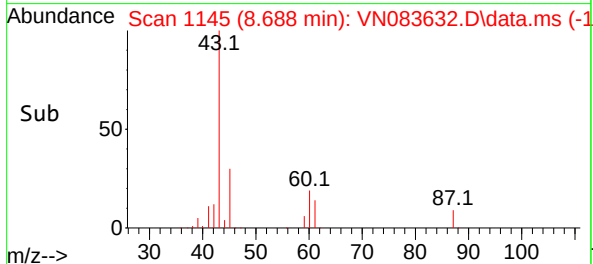
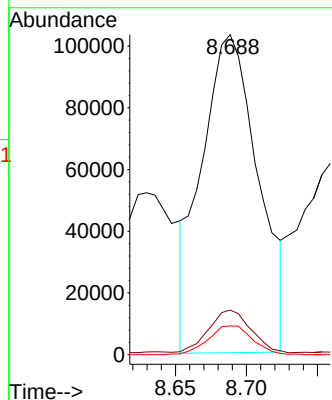
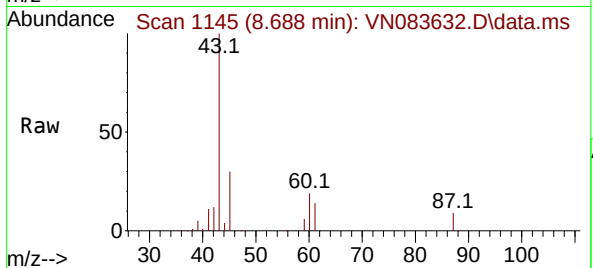




#43
Isopropyl Acetate
Concen: 50.626 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

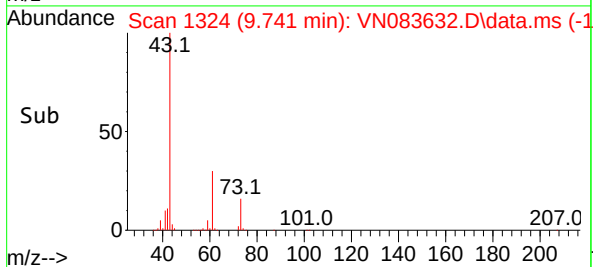
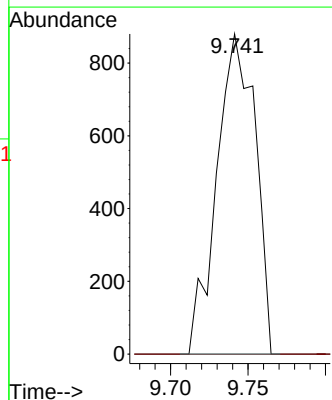
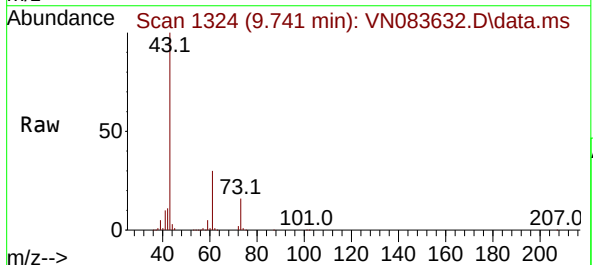
Instrument :
MSVOA_N
ClientSampleId :

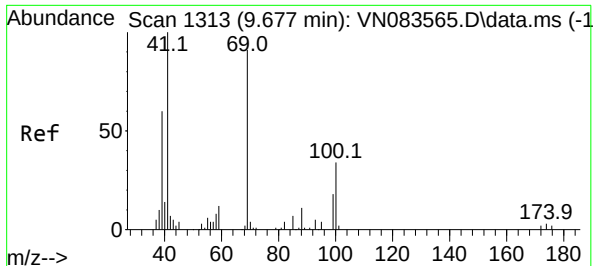
Tgt Ion: 43 Resp: 286927
Ion Ratio Lower Upper
43 100
61 11.1 19.4 29.0#
87 7.1 9.8 14.6#



#45
1,2-Dichloropropane
Concen: 0.750 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

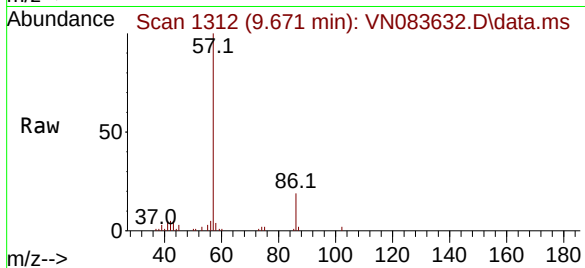
Tgt Ion: 63 Resp: 1526
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



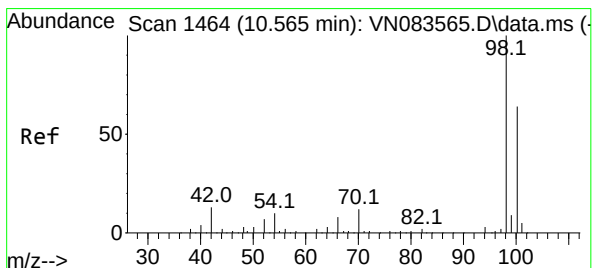
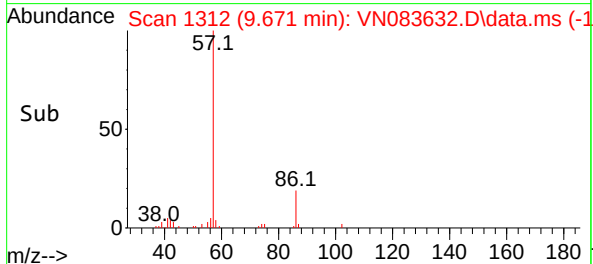
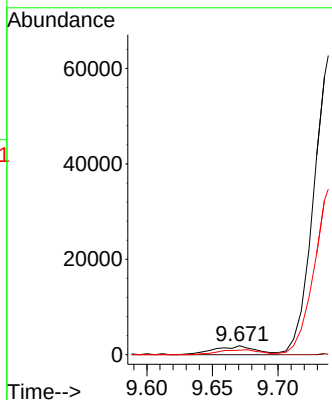


#48
Methyl methacrylate
Concen: 1.776 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :

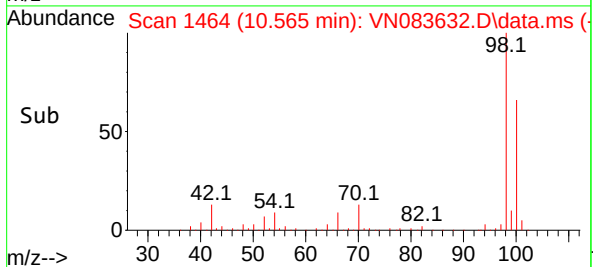
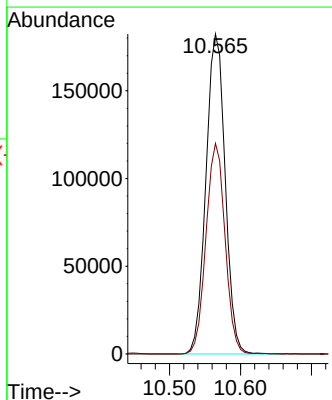
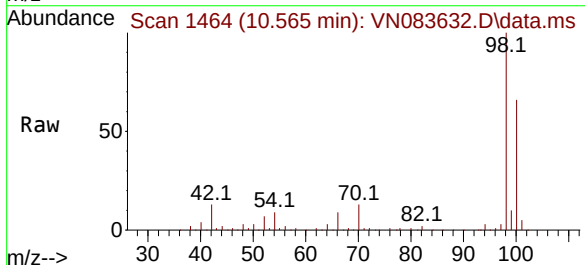


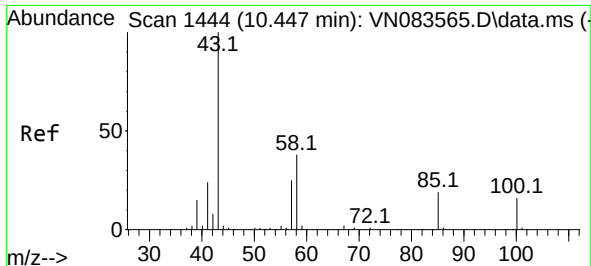
Tgt Ion: 41 Resp: 4116
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 53.5 48.9 73.3



#50
Toluene-d8
Concen: 47.292 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Tgt Ion: 98 Resp: 342667
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

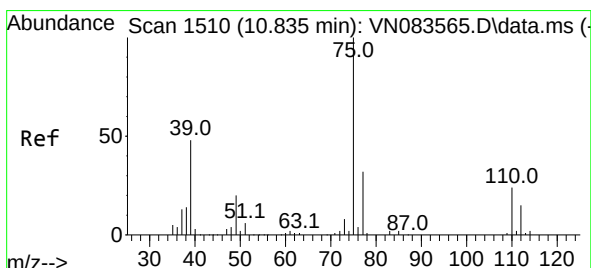
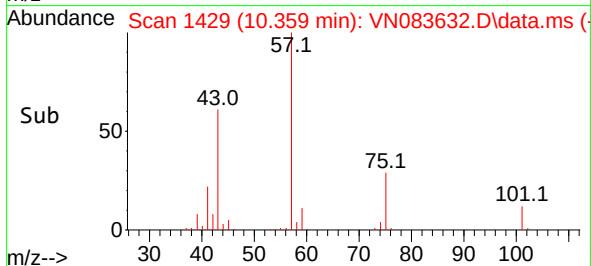
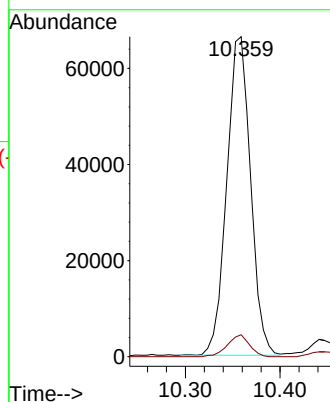
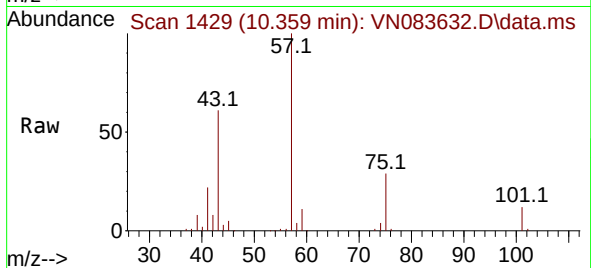




#51
4-Methyl-2-Pentanone
Concen: 44.075 ug/l
RT: 10.359 min Scan# 1444
Delta R.T. -0.088 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

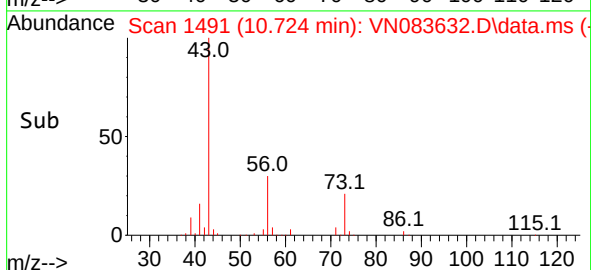
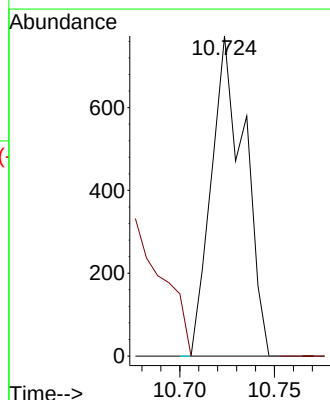
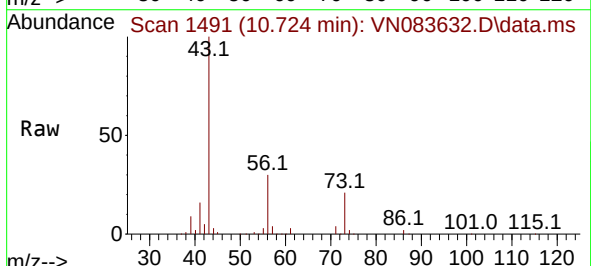
Instrument :
MSVOA_N
ClientSampleId :

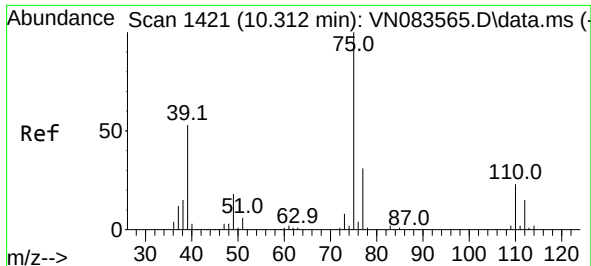
Tgt Ion: 43 Resp: 115763
Ion Ratio Lower Upper
43 100
58 6.4 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.286 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Tgt Ion: 75 Resp: 946
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

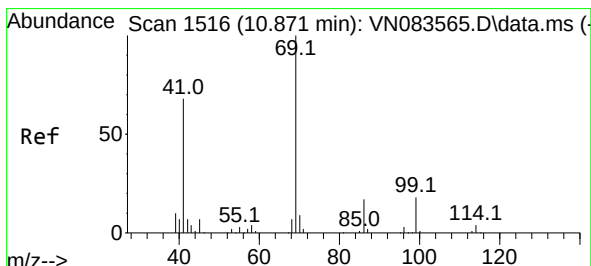
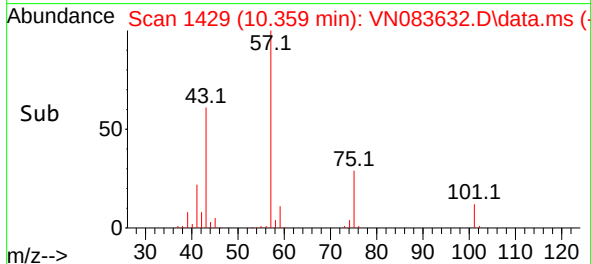
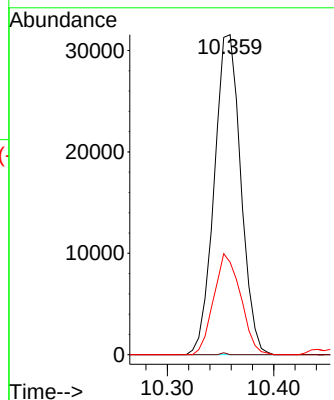
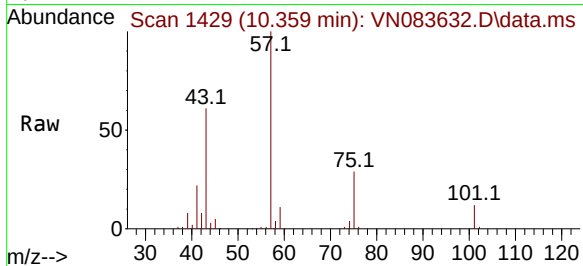




#54
 cis-1,3-Dichloropropene
 Concen: 15.755 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083632.D
 Acq: 03 Sep 2024 18:21

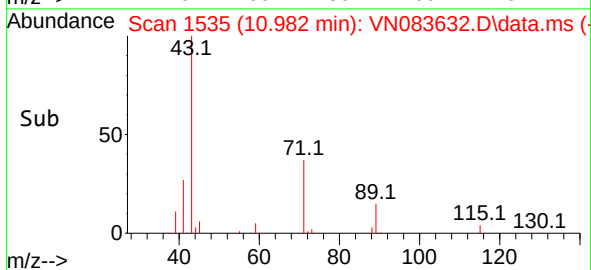
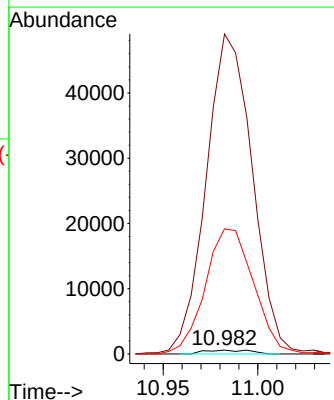
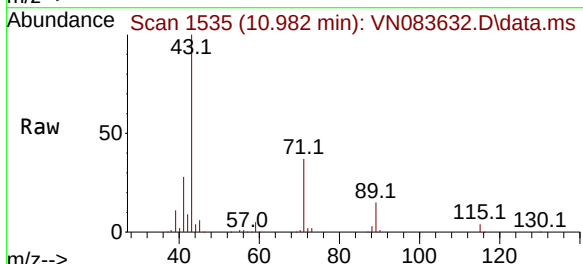
Instrument :
 MSVOA_N
 ClientSampleId :

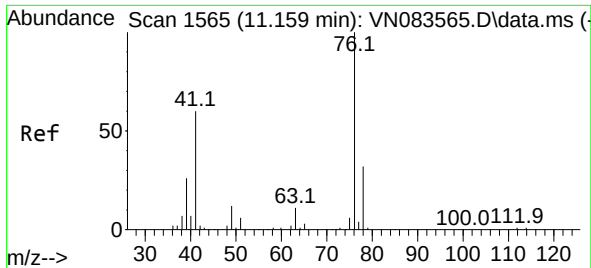
Tgt Ion: 75 Resp: 54689
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 28.9 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.304 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN083632.D
 Acq: 03 Sep 2024 18:21

Tgt Ion: 69 Resp: 981
 Ion Ratio Lower Upper
 69 100
 41 8507.5 53.9 80.9#
 39 3486.9 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 2.025 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN083632.D

Acq: 03 Sep 2024 18:21

Instrument :

MSVOA_N

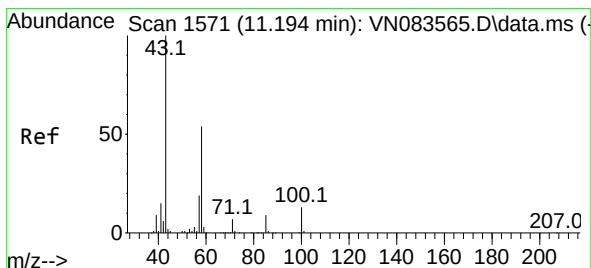
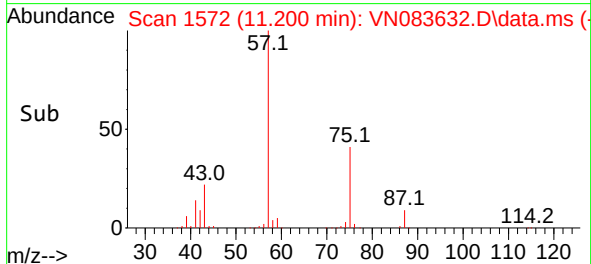
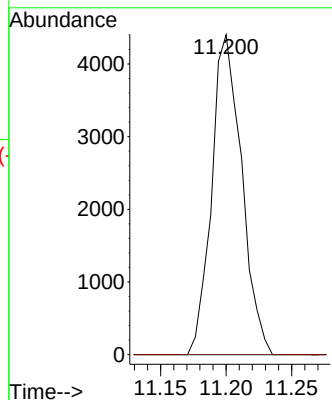
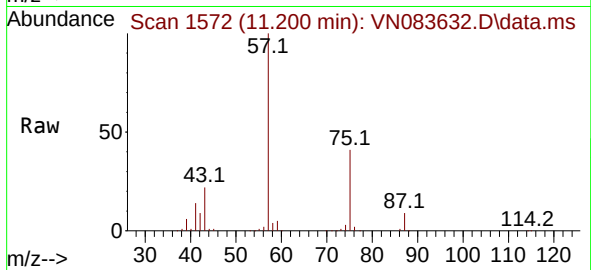
ClientSampleId :

Tgt Ion: 76 Resp: 6990

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 65.899 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN083632.D

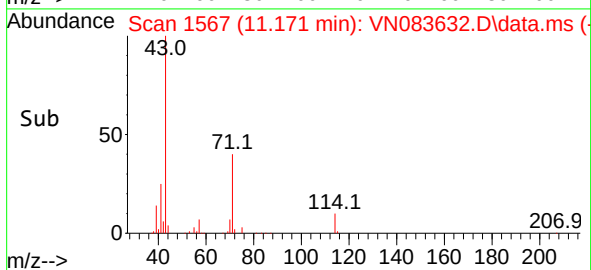
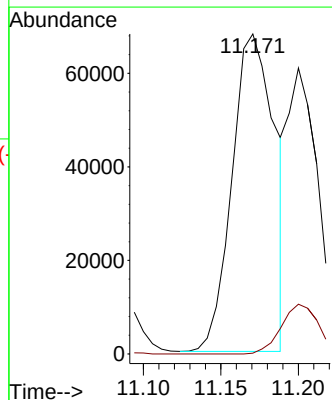
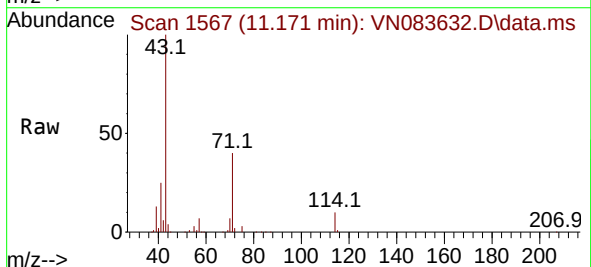
Acq: 03 Sep 2024 18:21

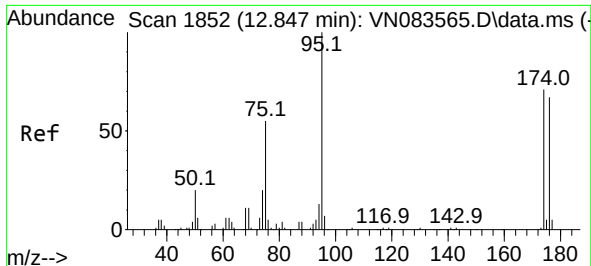
Tgt Ion: 43 Resp: 129893

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

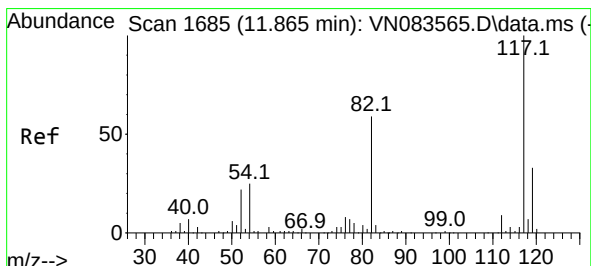
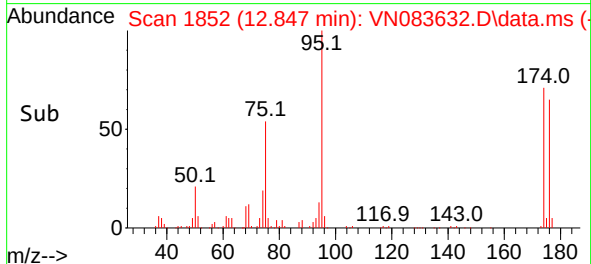
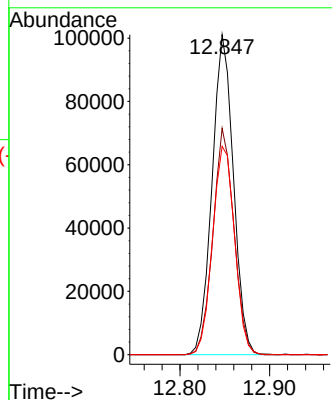
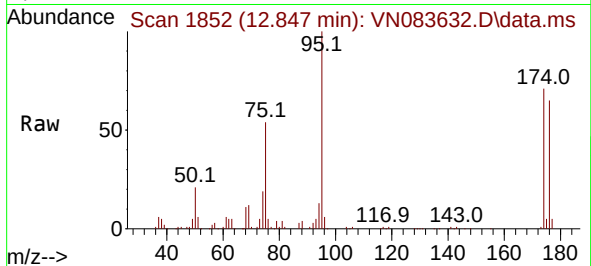




#62
4-Bromofluorobenzene
Concen: 62.184 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

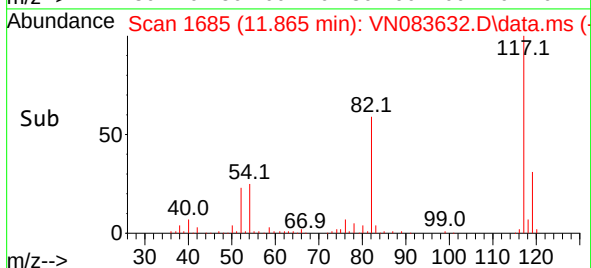
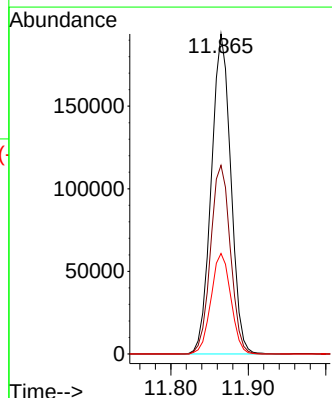
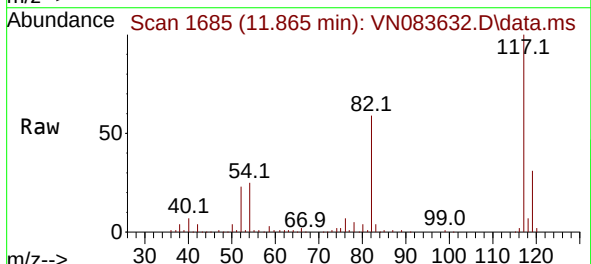
Instrument :
MSVOA_N
ClientSampleId :

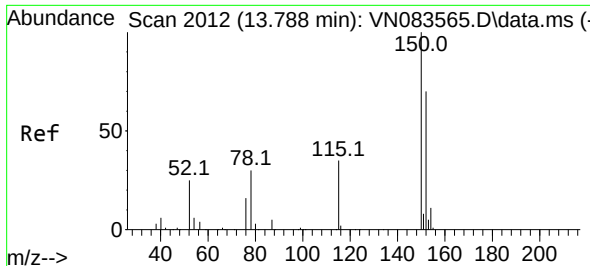
Tgt Ion: 95 Resp: 166944
Ion Ratio Lower Upper
95 100
174 69.5 0.0 139.8
176 67.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

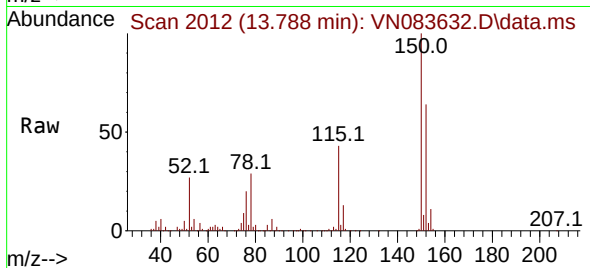
Tgt Ion: 117 Resp: 338934
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.0
119 31.4 26.3 39.5



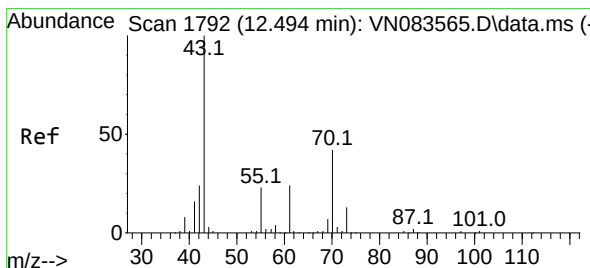
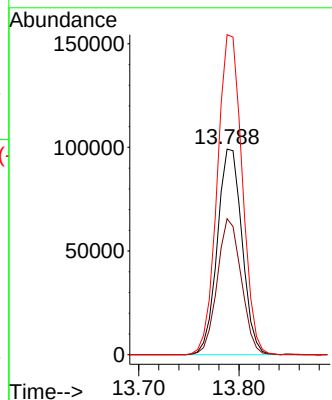
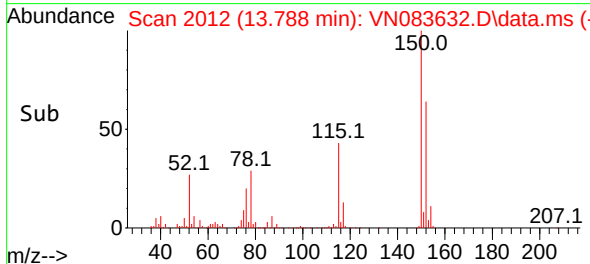


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :

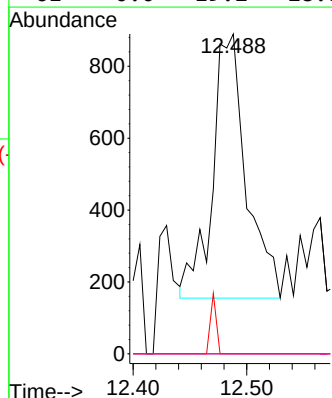
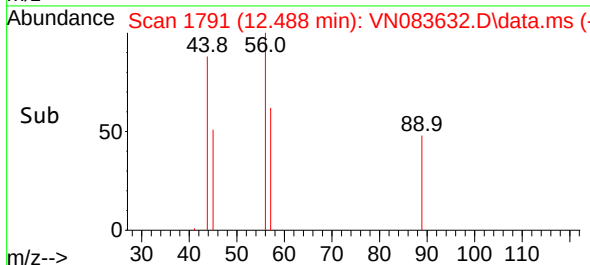
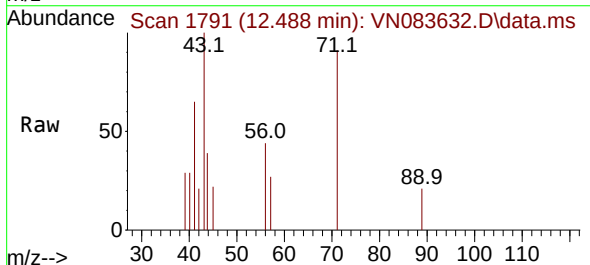


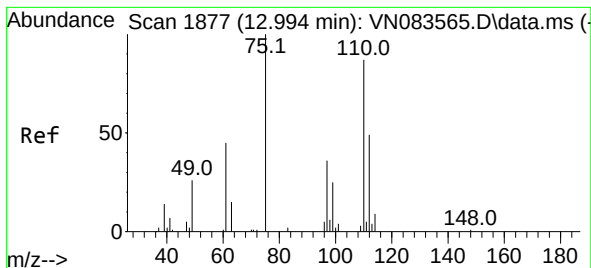
Tgt Ion:152 Resp: 169433
Ion Ratio Lower Upper
152 100
115 64.4 32.2 96.6
150 156.8 0.0 348.6



#74
N-ethyl acetate
Concen: 0.255 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Tgt Ion: 43 Resp: 1517
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 3.9 18.6 28.0#
61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 26.996 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083632.D

Acq: 03 Sep 2024 18:21

Instrument :

MSVOA_N

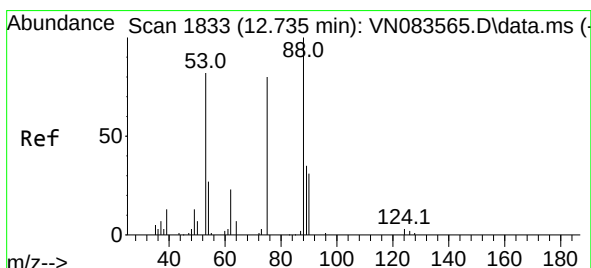
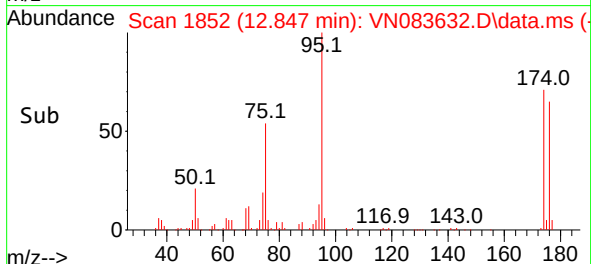
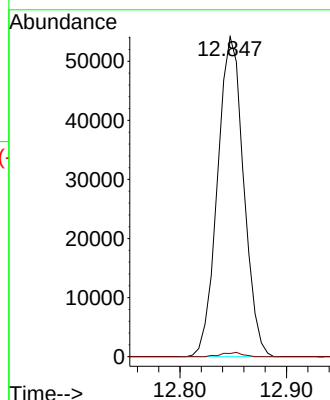
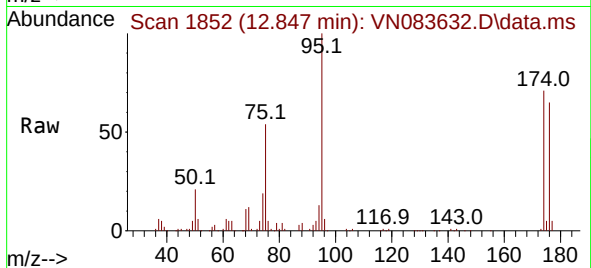
ClientSampleId :

Tgt Ion: 75 Resp: 92348

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.672 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083632.D

Acq: 03 Sep 2024 18:21

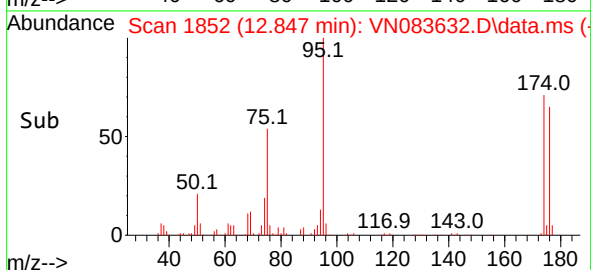
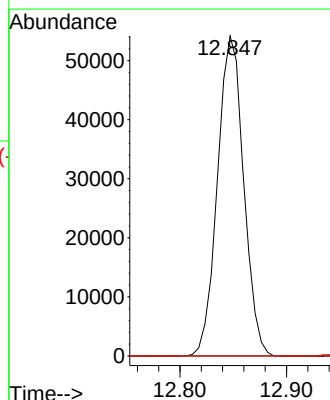
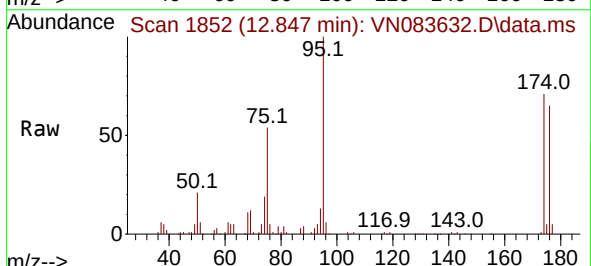
Tgt Ion: 75 Resp: 92348

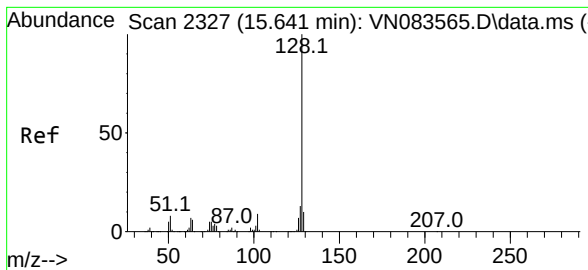
Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

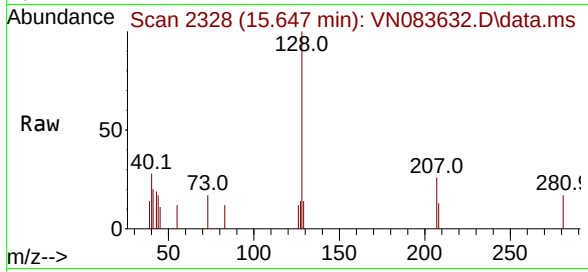
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 0.267 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN083632.D
Acq: 03 Sep 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2931
Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.2	15.2#
129	4.4	8.7	13.1#

