

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071624\
 Data File : VN082949.D
 Acq On : 16 Jul 2024 20:53
 Operator : JC\MD
 Sample : P3246-25
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 17 01:02:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

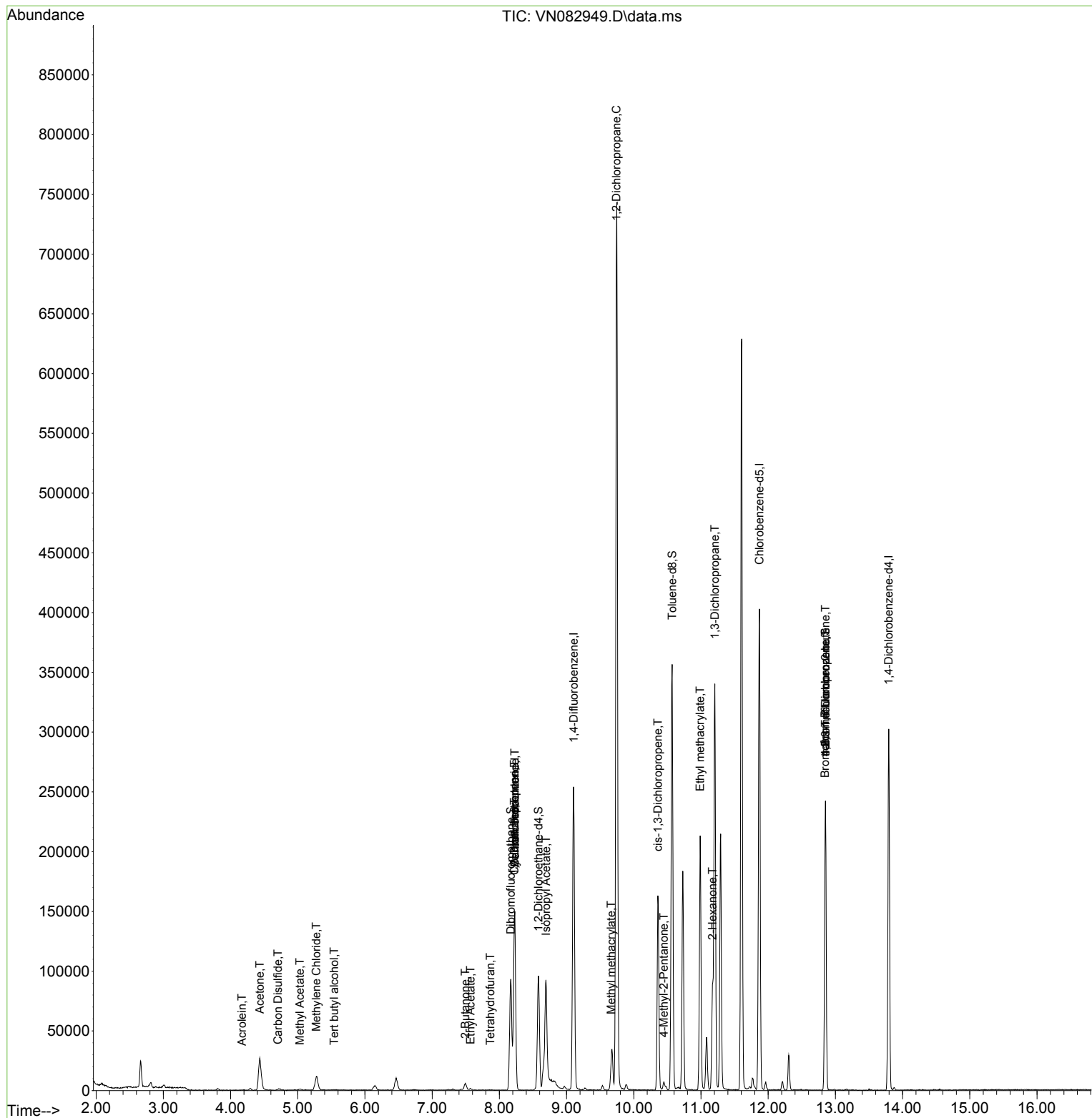
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	102485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	212153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	226909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	77960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	78581	54.698	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.400%
35) Dibromofluoromethane	8.171	113	64998	47.746	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.500%
50) Toluene-d8	10.570	98	241780	48.086	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.180%
62) 4-Bromofluorobenzene	12.853	95	77690	43.015	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	86.020%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.541	59	80	0.331	ug/l #	71
13) Acrolein	4.171	56	131	0.751	ug/l #	14
16) Acetone	4.436	43	50595	100.030	ug/l	90
17) Carbon Disulfide	4.706	76	1181	0.378	ug/l #	75
18) Methyl Acetate	5.030	43	1955	1.461	ug/l #	63
20) Methylene Chloride	5.277	84	8734	7.150	ug/l	86
25) 2-Butanone	7.494	43	9116	11.936	ug/l #	88
29) Tetrahydrofuran	7.865	42	188	0.391	ug/l #	38
31) Cyclohexane	8.224	56	2509	1.336	ug/l #	25
36) 1,1-Dichloropropene	8.224	75	9345	4.979	ug/l #	52
37) Ethyl Acetate	7.571	43	2412	1.262	ug/l #	76
38) Carbon Tetrachloride	8.229	117	11401	5.045	ug/l #	17
43) Isopropyl Acetate	8.694	43	119660	32.151	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	848	0.629	ug/l #	44
48) Methyl methacrylate	9.665	41	2439	1.628	ug/l #	54
51) 4-Methyl-2-Pentanone	10.447	43	7281	3.843	ug/l #	79
54) cis-1,3-Dichloropropene	10.359	75	26599	11.243	ug/l #	59
56) Ethyl methacrylate	10.988	69	1323	0.641	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3687	1.571	ug/l #	43
59) 2-Hexanone	11.170	43	64161	45.554	ug/l #	28
71) Bromoform	12.847	173	754	0.554	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	44330	32.982	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	44330	64.866	ug/l #	6

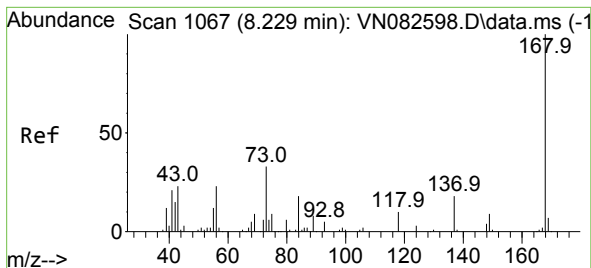
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. 0.000 min

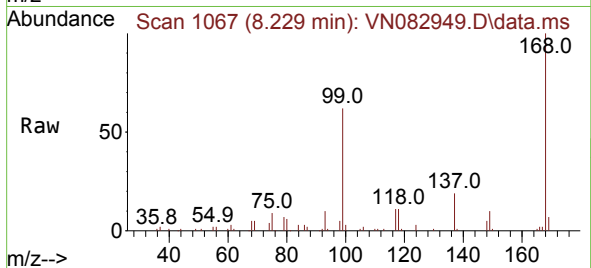
Lab File: VN082949.D

Acq: 16 Jul 2024 20:53

Instrument :

MSVOA_N

ClientSampleId :

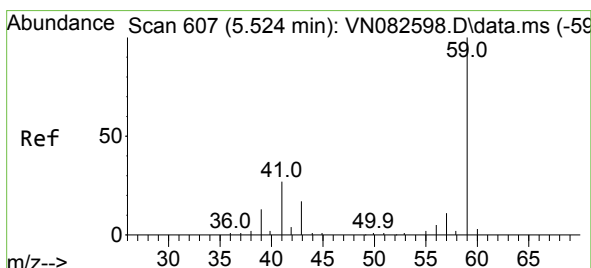
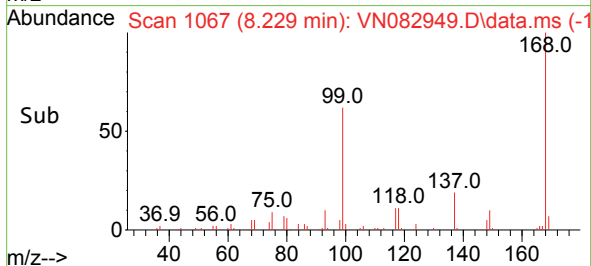
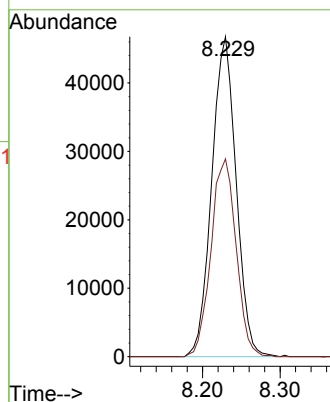


Tgt Ion:168 Resp: 102485

Ion Ratio Lower Upper

168 100

99 61.8 48.2 72.4



#11

Tert butyl alcohol

Concen: 0.331 ug/l

RT: 5.541 min Scan# 610

Delta R.T. 0.017 min

Lab File: VN082949.D

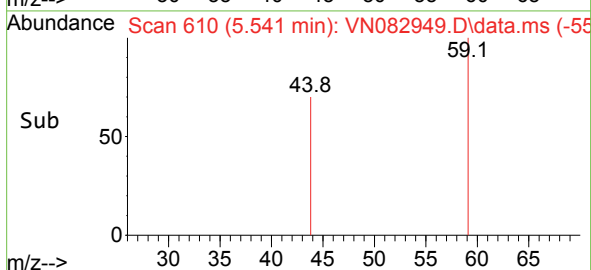
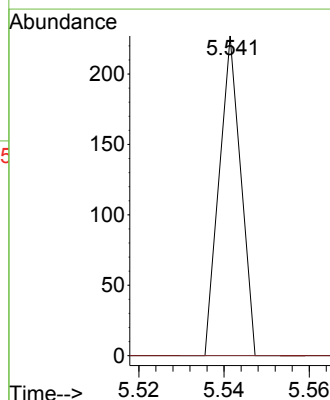
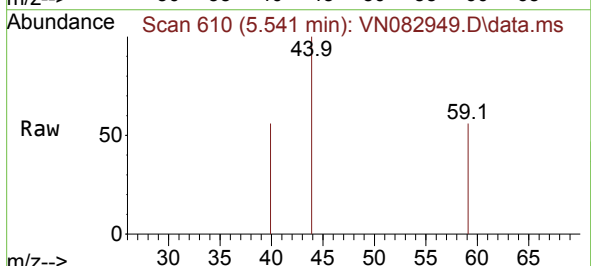
Acq: 16 Jul 2024 20:53

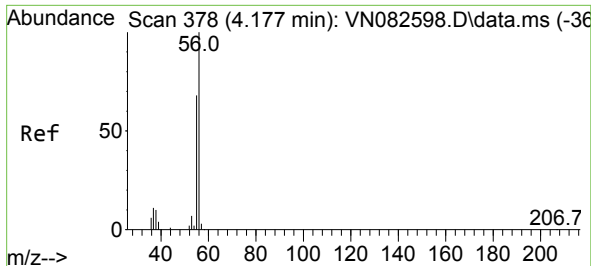
Tgt Ion: 59 Resp: 80

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#





#13

Acrolein

Concen: 0.751 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN082949.D

Acq: 16 Jul 2024 20:53

Instrument :

MSVOA_N

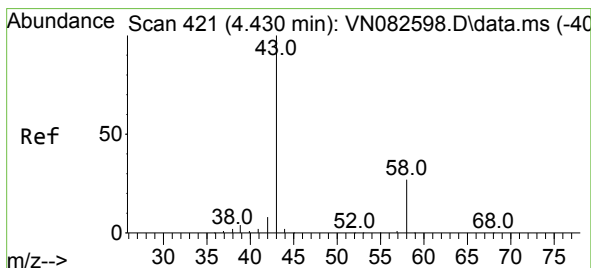
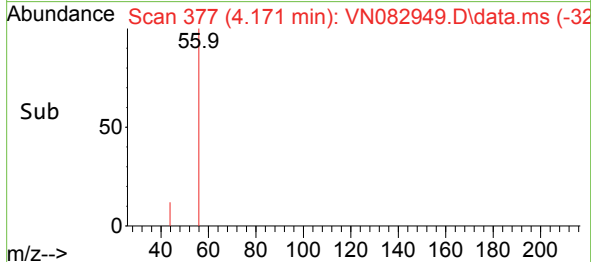
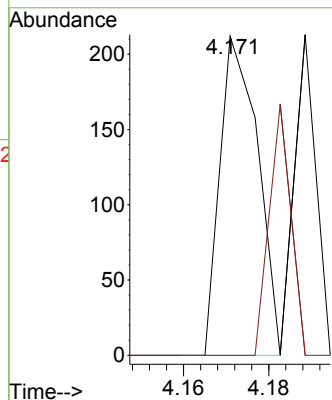
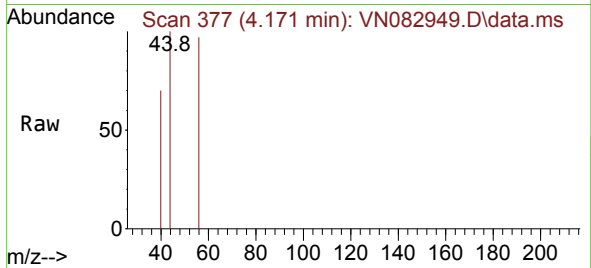
ClientSampleId :

Tgt Ion: 56 Resp: 131

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#16

Acetone

Concen: 100.030 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN082949.D

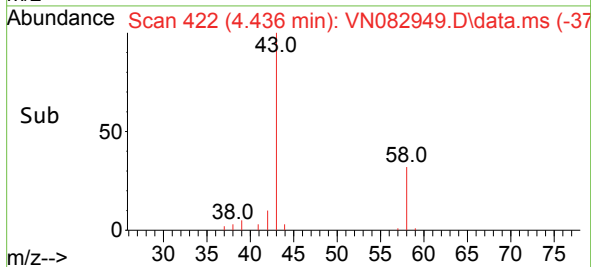
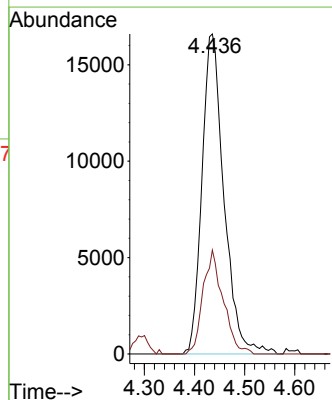
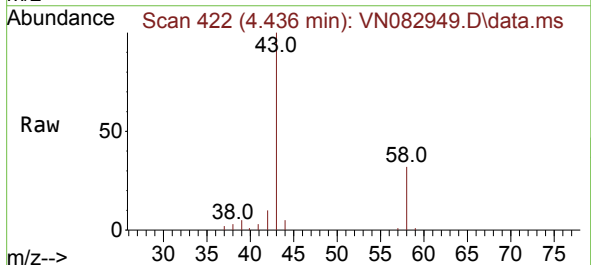
Acq: 16 Jul 2024 20:53

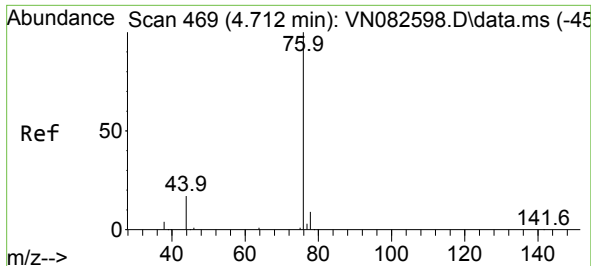
Tgt Ion: 43 Resp: 50595

Ion Ratio Lower Upper

43 100

58 32.4 21.8 32.6

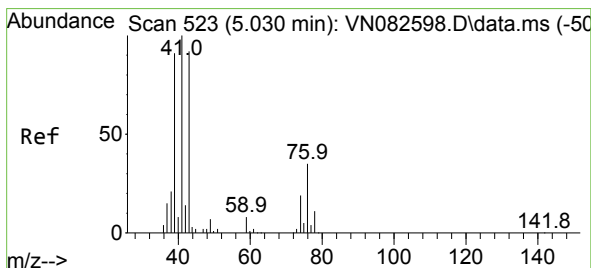
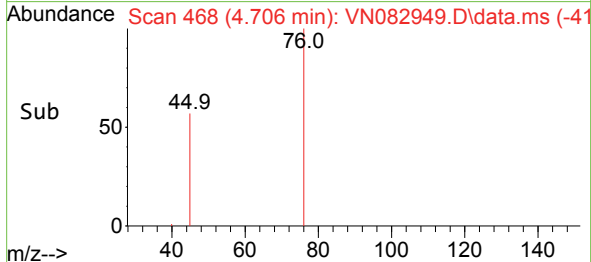
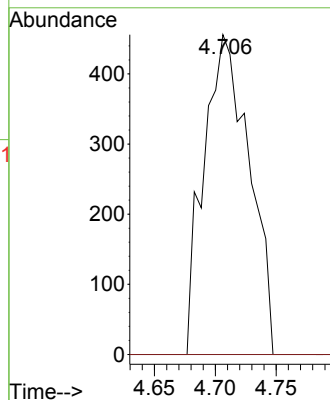
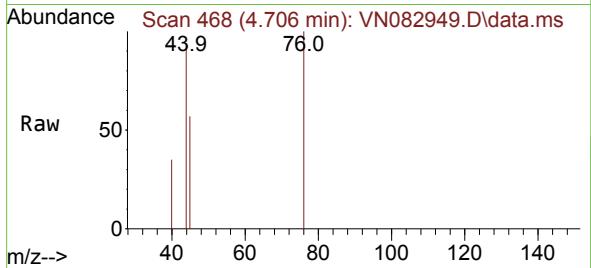




#17
Carbon Disulfide
Concen: 0.378 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

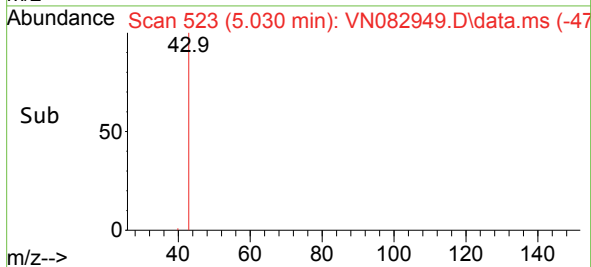
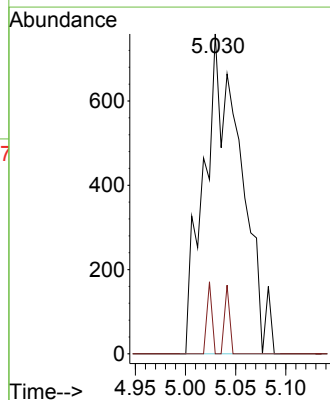
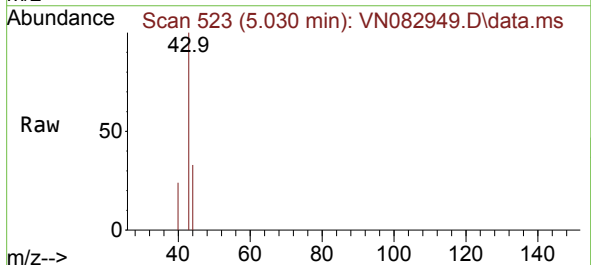
Instrument :
MSVOA_N
ClientSampleId :

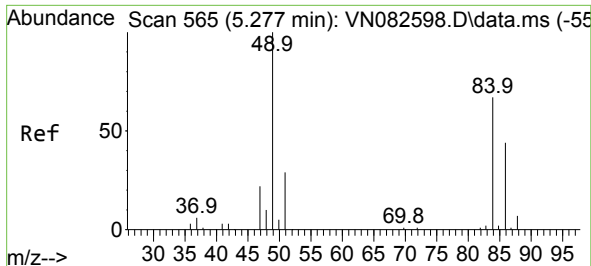
Tgt Ion: 76 Resp: 1181
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.461 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

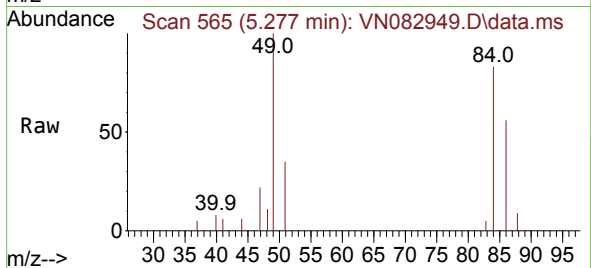
Tgt Ion: 43 Resp: 1955
Ion Ratio Lower Upper
43 100
74 3.1 16.3 24.5#



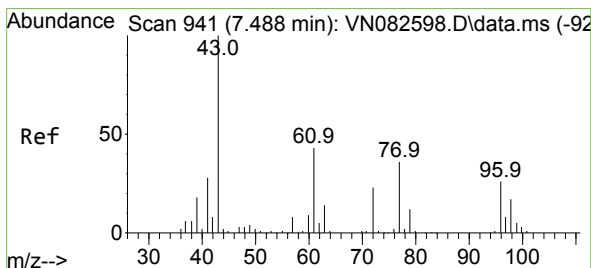
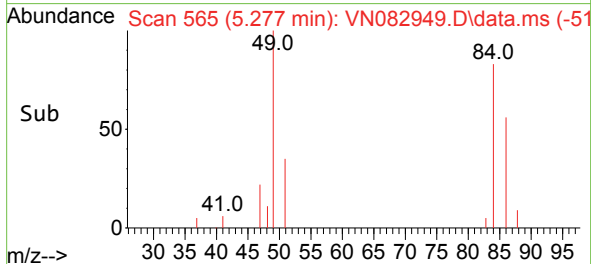
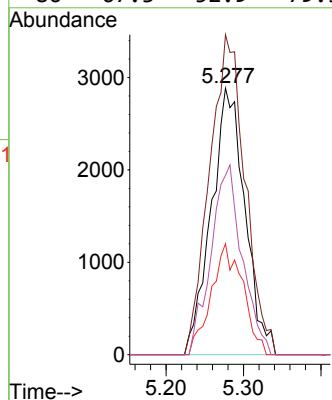


#20
Methylene Chloride
Concen: 7.150 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

Instrument :
MSVOA_N
ClientSampleId :

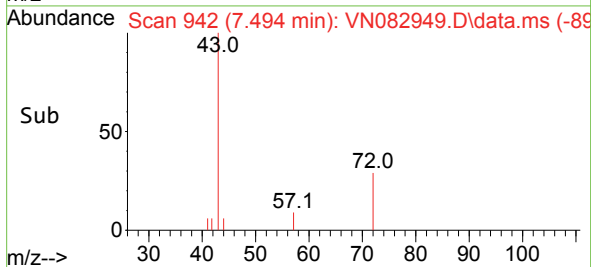
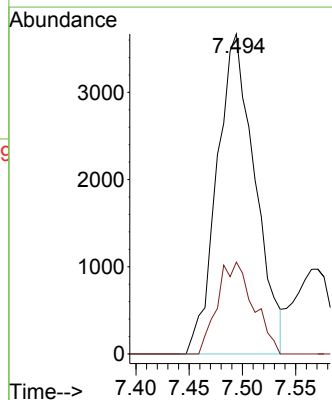
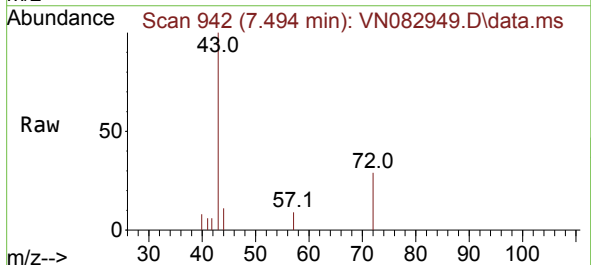


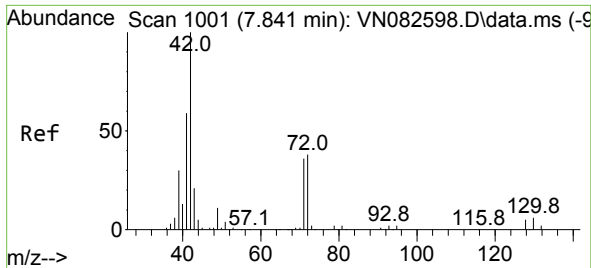
Tgt Ion:	84	Resp:	8734
Ion	Ratio	Lower	Upper
84	100		
49	120.1	119.6	179.4
51	41.6	34.8	52.2
86	67.3	52.9	79.3



#25
2-Butanone
Concen: 11.936 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

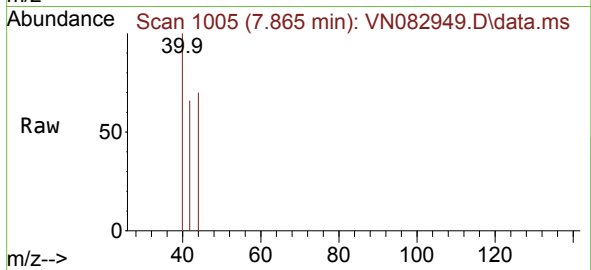
Tgt Ion:	43	Resp:	9116
Ion	Ratio	Lower	Upper
43	100		
72	28.7	18.2	27.2#



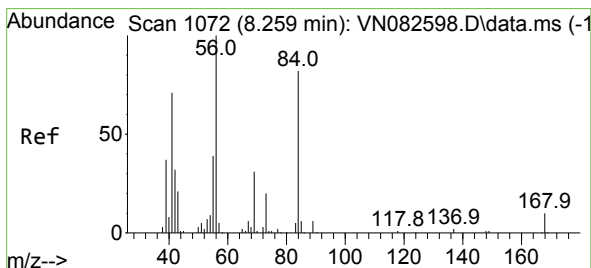
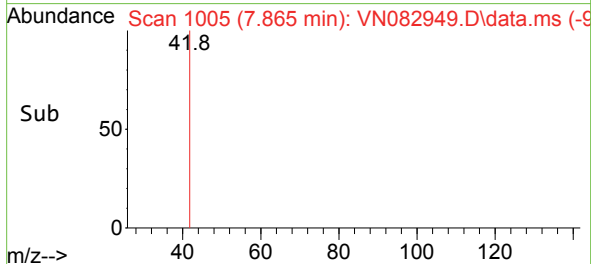
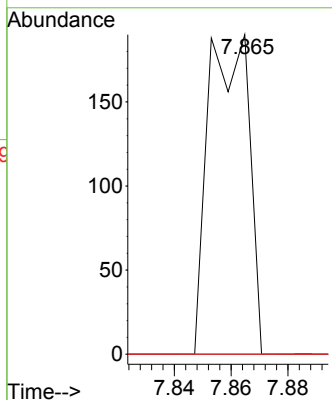


#29
Tetrahydrofuran
Concen: 0.391 ug/l
RT: 7.865 min Scan# 1065
Delta R.T. 0.024 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

Instrument :
MSVOA_N
ClientSampleId :

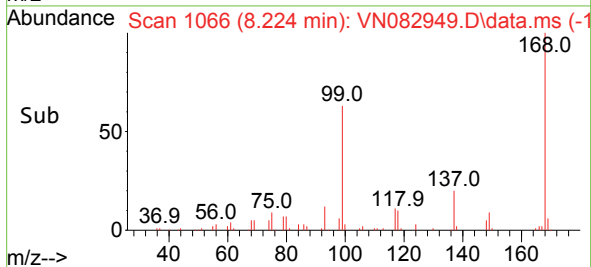
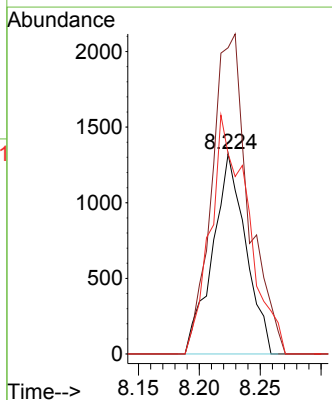
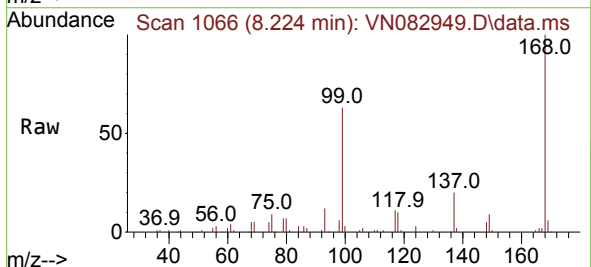


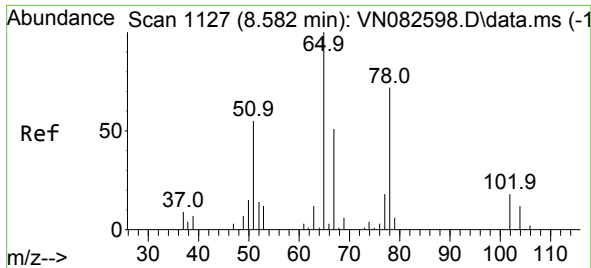
Tgt Ion: 42 Resp: 188
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.336 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

Tgt Ion: 56 Resp: 2509
Ion Ratio Lower Upper
56 100
69 152.9 24.5 36.7#
84 100.0 66.0 99.0#

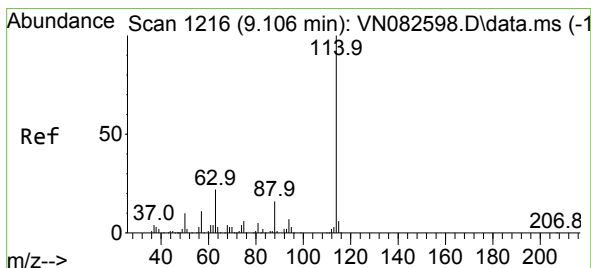
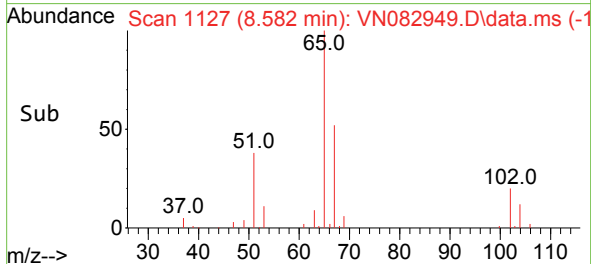
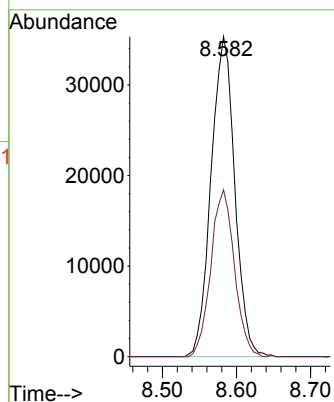
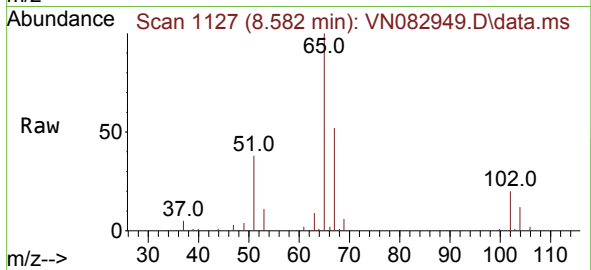




#33
 1,2-Dichloroethane-d4
 Concen: 54.698 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN082949.D
 Acq: 16 Jul 2024 20:53

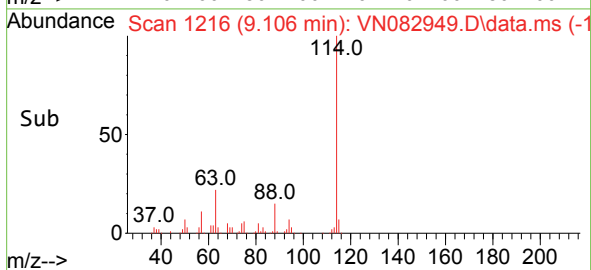
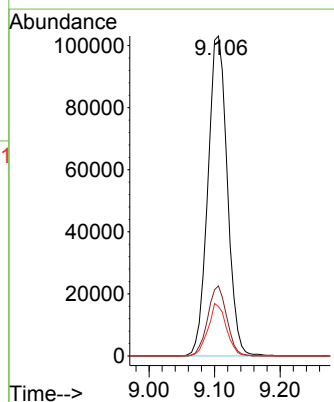
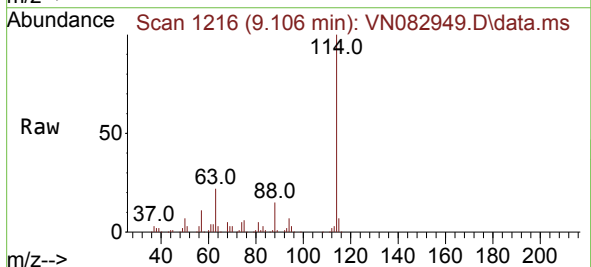
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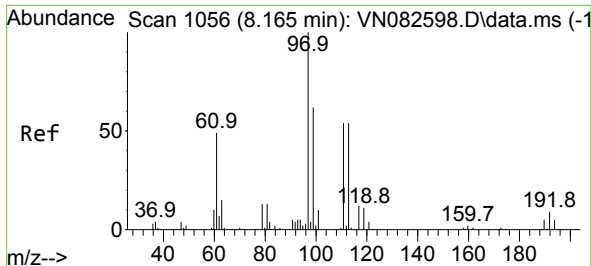
Tgt Ion: 65 Resp: 78581
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN082949.D
 Acq: 16 Jul 2024 20:53

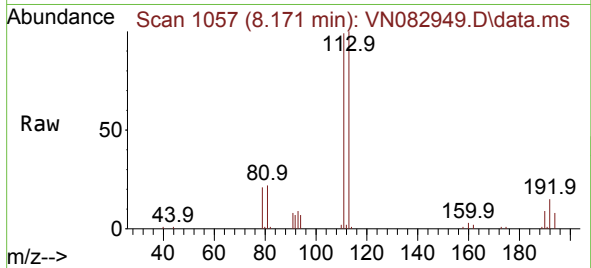
Tgt Ion: 114 Resp: 212153
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.6
 88 15.5 0.0 31.4



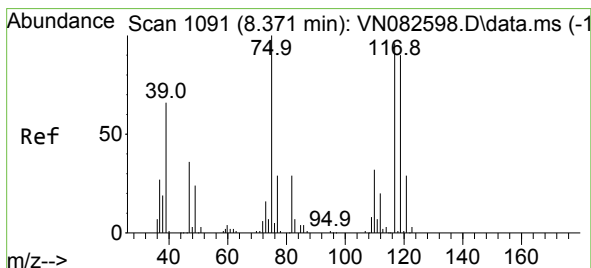
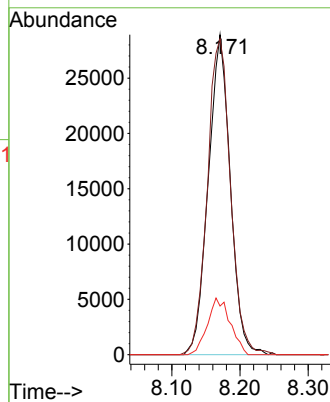
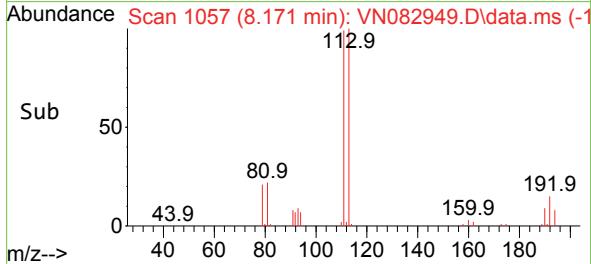


#35
 Dibromofluoromethane
 Concen: 47.746 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN082949.D
 Acq: 16 Jul 2024 20:53

Instrument :
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 ClientSampleId :

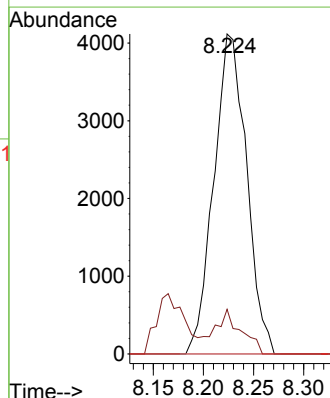
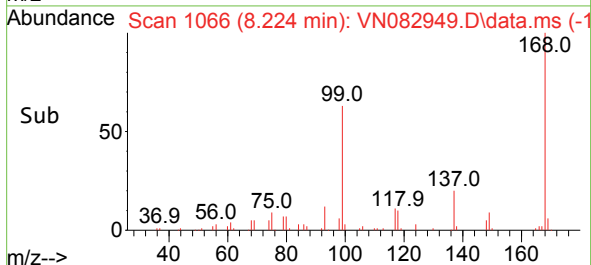
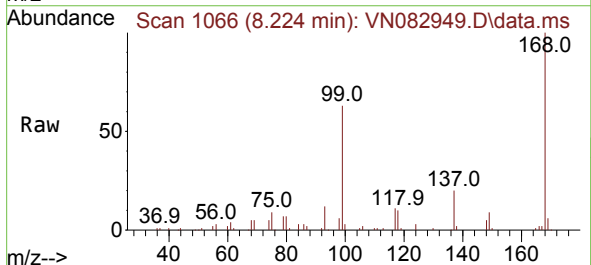


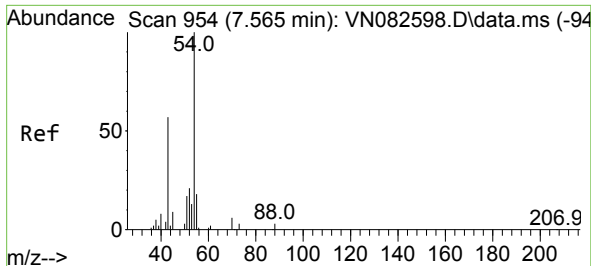
Tgt Ion:113 Resp: 64998
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.4 123.6
 192 18.3 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 4.979 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN082949.D
 Acq: 16 Jul 2024 20:53

Tgt Ion: 75 Resp: 9345
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.3 48.9#
 77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.262 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

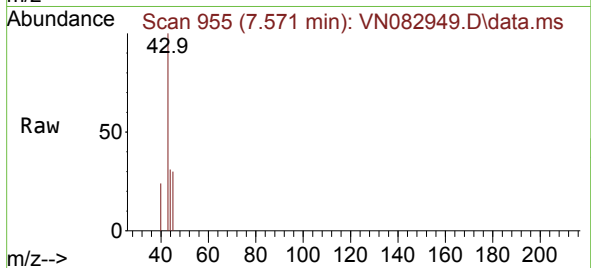
Lab File: VN082949.D

Acq: 16 Jul 2024 20:53

Instrument :

MSVOA_N

ClientSampleId :



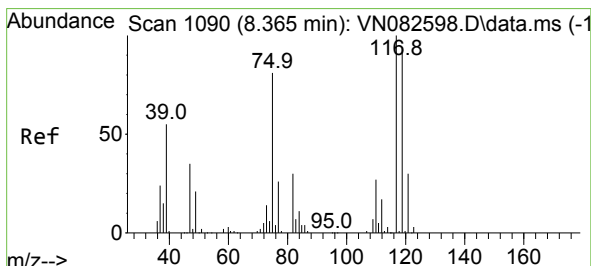
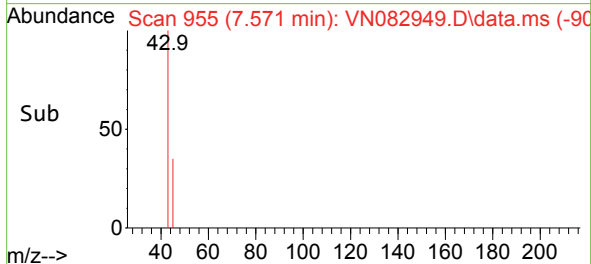
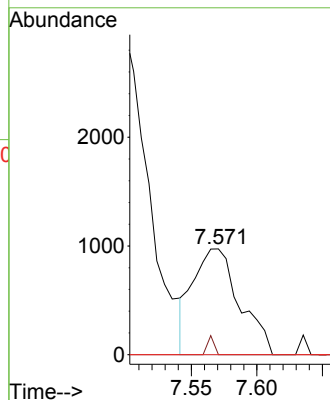
Tgt Ion: 43 Resp: 2412

Ion Ratio Lower Upper

43 100

61 2.6 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.045 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.136 min

Lab File: VN082949.D

Acq: 16 Jul 2024 20:53

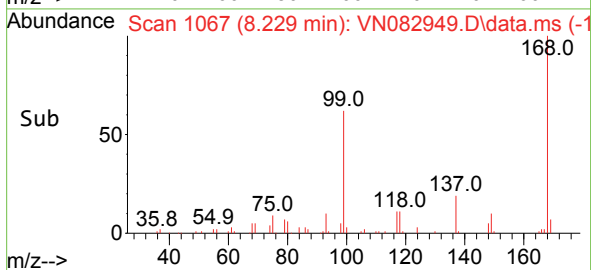
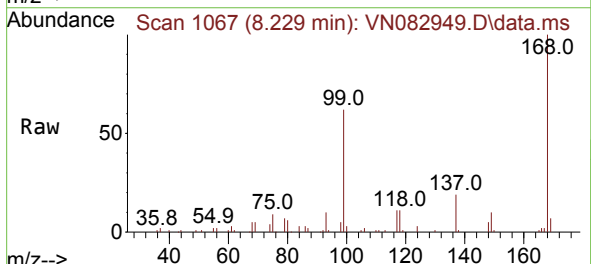
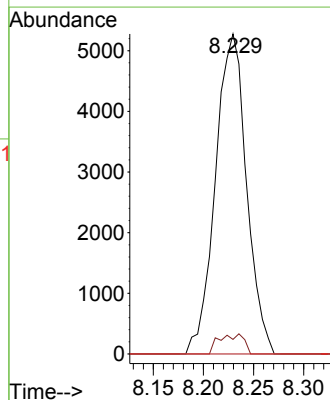
Tgt Ion: 117 Resp: 11401

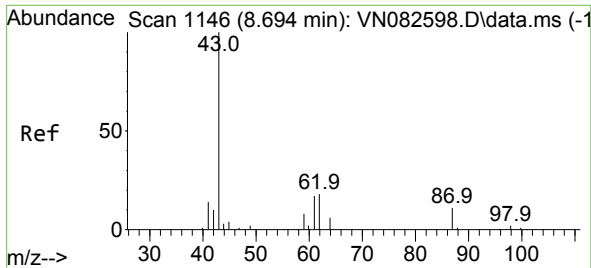
Ion Ratio Lower Upper

117 100

119 4.5 74.9 112.3#

121 0.0 24.3 36.5#

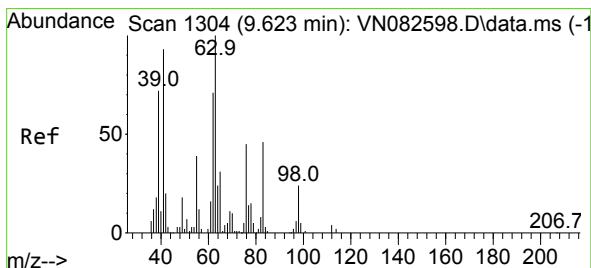
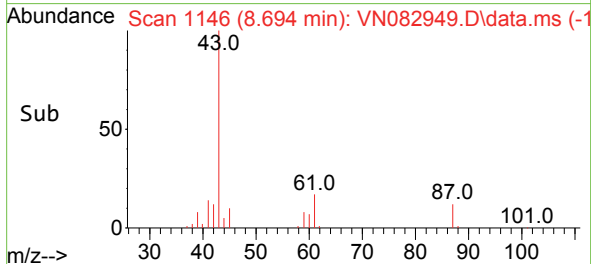
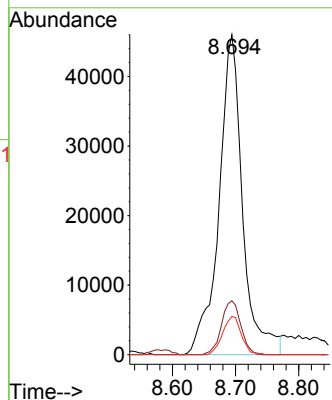
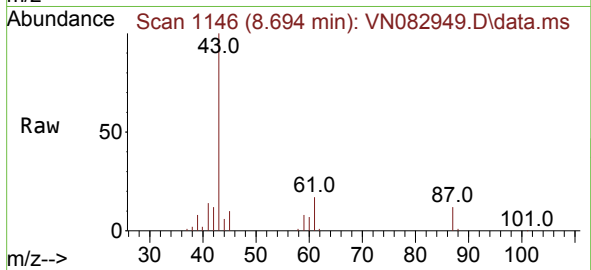




#43
Isopropyl Acetate
Concen: 32.151 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

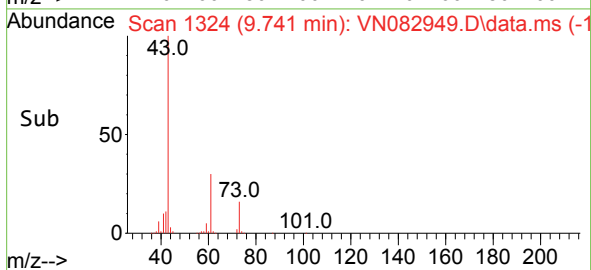
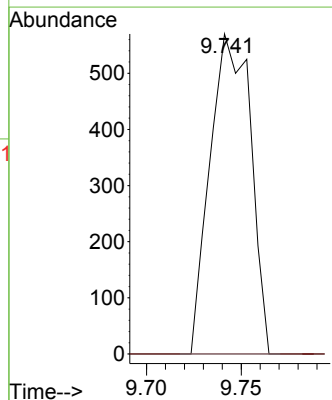
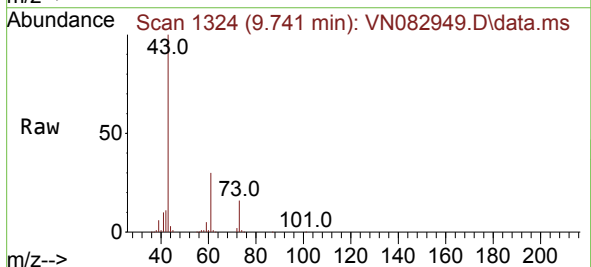
Instrument :
MSVOA_N
ClientSampleId :

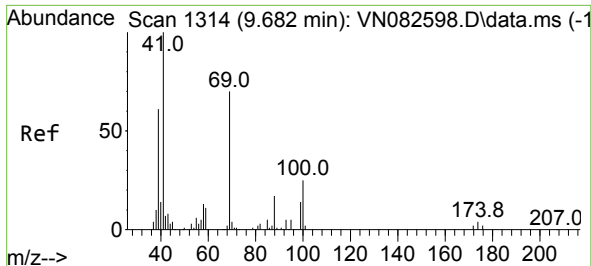
Tgt Ion: 43 Resp: 119660
Ion Ratio Lower Upper
43 100
61 13.7 17.8 26.6#
87 9.4 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.629 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

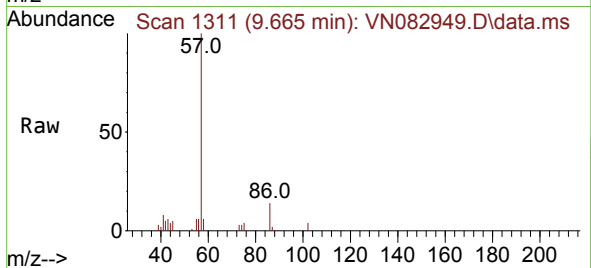
Tgt Ion: 63 Resp: 848
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



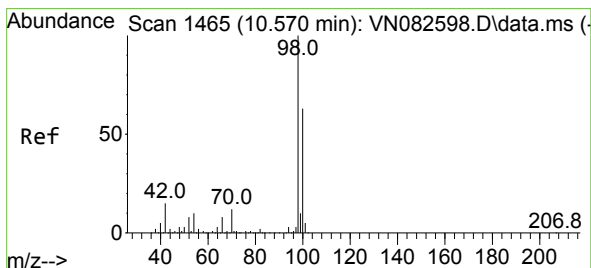
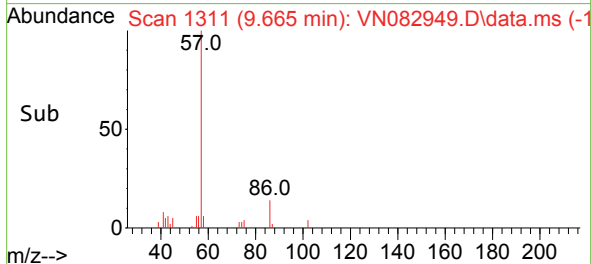
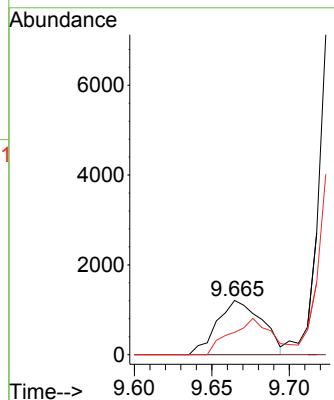


#48
Methyl methacrylate
Concen: 1.628 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

Instrument :
MSVOA_N
ClientSampleId :

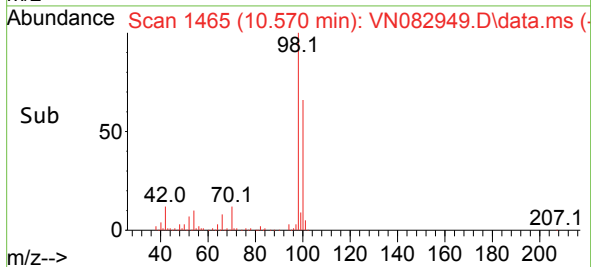
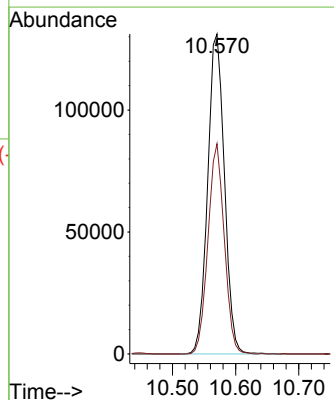
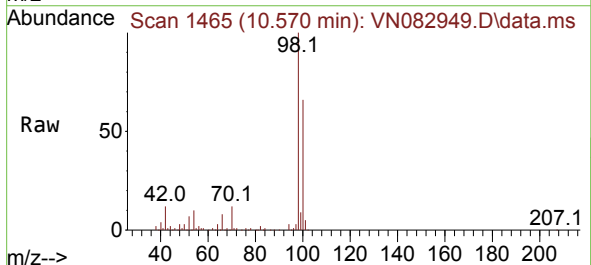


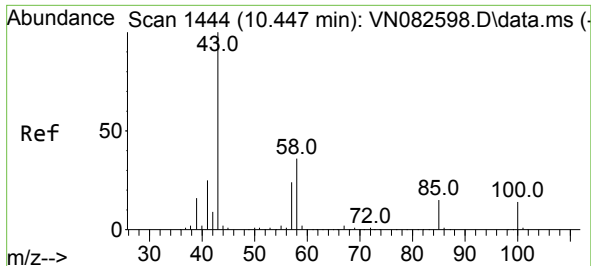
Tgt Ion: 41 Resp: 2439
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 64.7 50.3 75.5



#50
Toluene-d8
Concen: 48.086 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

Tgt Ion: 98 Resp: 241780
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3

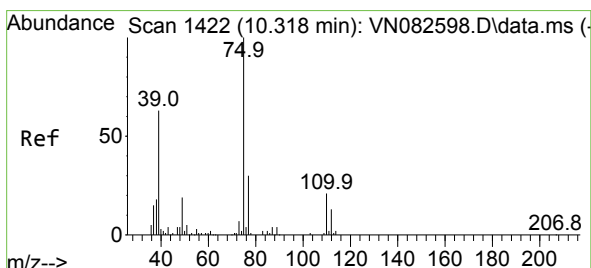
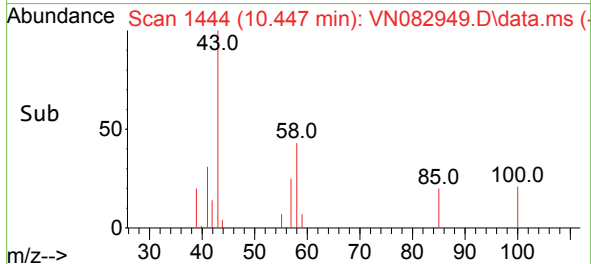
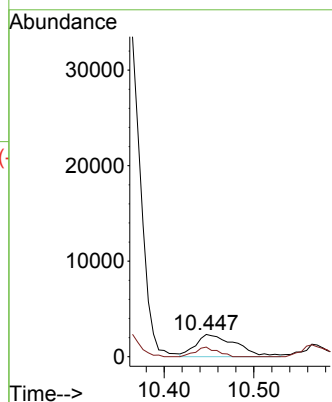
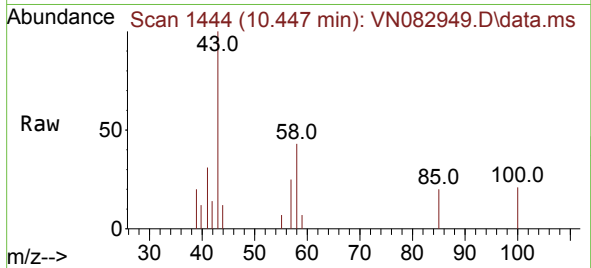




#51
4-Methyl-2-Pentanone
Concen: 3.843 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

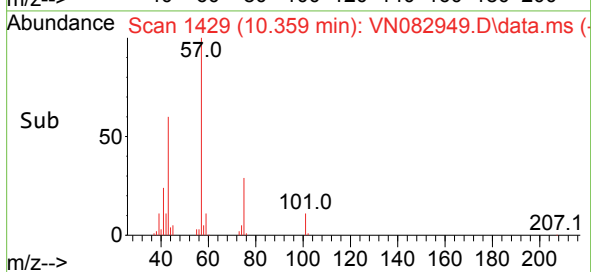
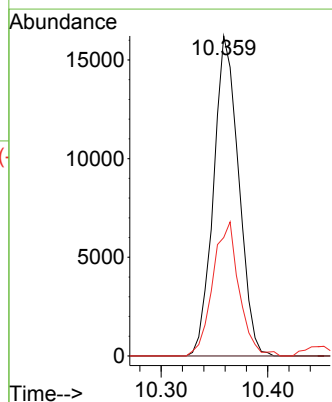
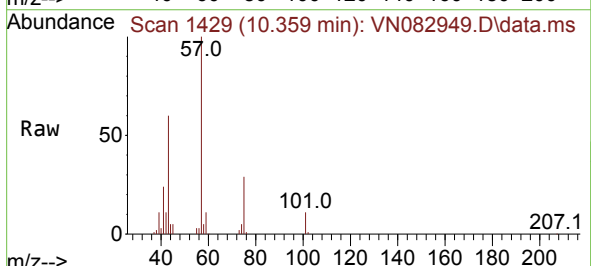
Instrument :
MSVOA_N
ClientSampleId :

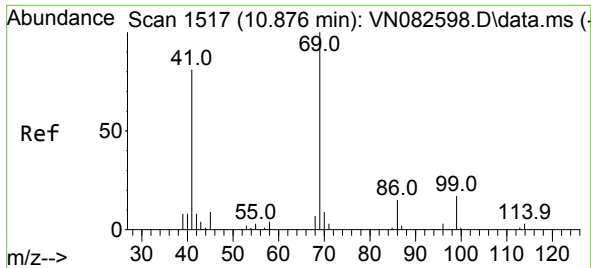
Tgt Ion: 43 Resp: 7281
Ion Ratio Lower Upper
43 100
58 23.2 28.2 42.4#



#54
cis-1,3-Dichloropropene
Concen: 11.243 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

Tgt Ion: 75 Resp: 26599
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 37.0 50.5 75.7#

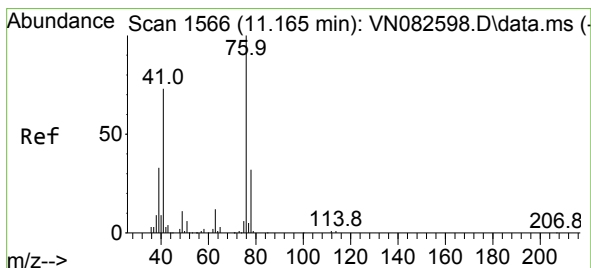
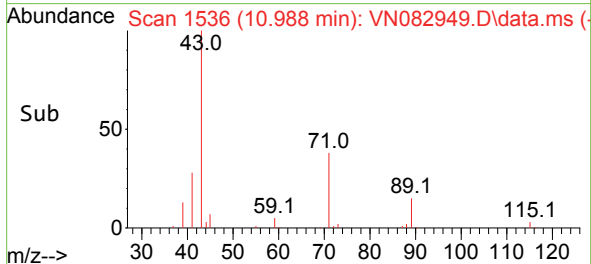
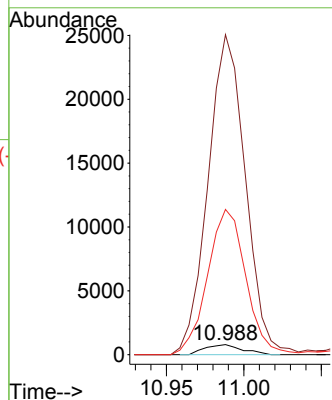
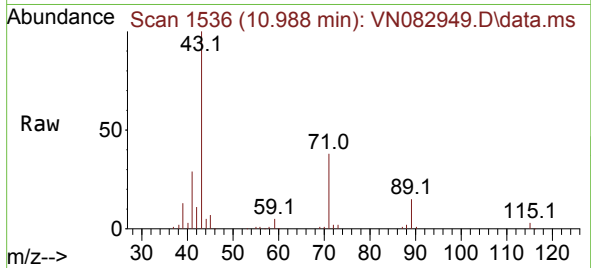




#56
Ethyl methacrylate
Concen: 0.641 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

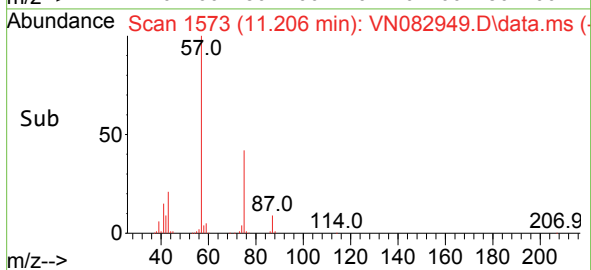
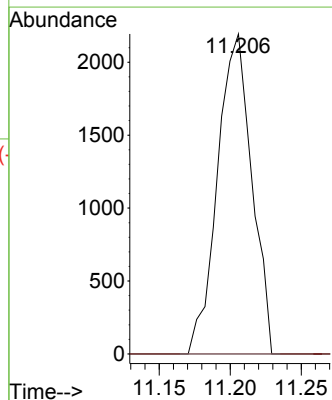
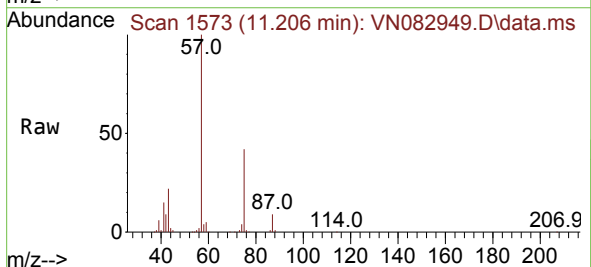
Instrument :
MSVOA_N
ClientSampleId :

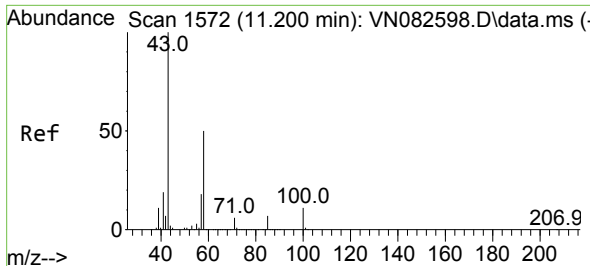
Tgt Ion: 69 Resp: 1323
Ion Ratio Lower Upper
69 100
41 3177.4 63.4 95.2#
39 1475.8 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.571 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

Tgt Ion: 76 Resp: 3687
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

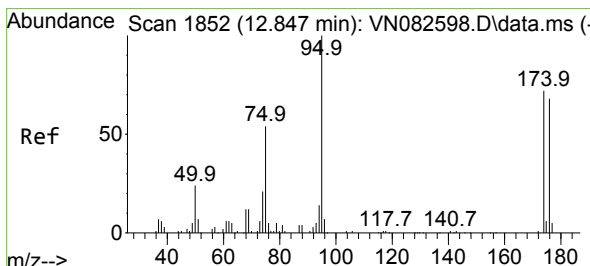
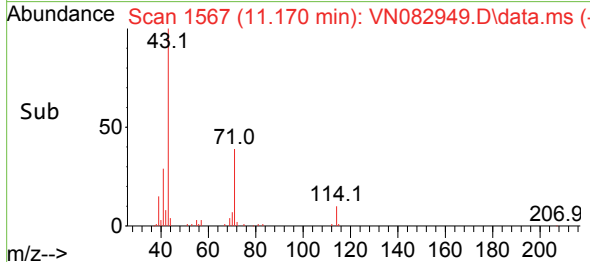
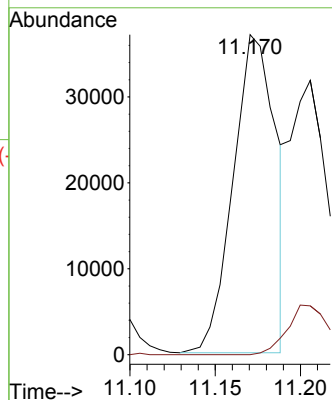
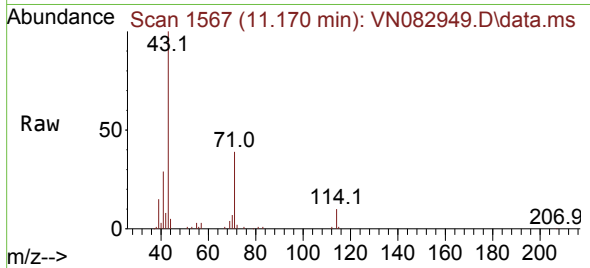




#59
2-Hexanone
Concen: 45.554 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

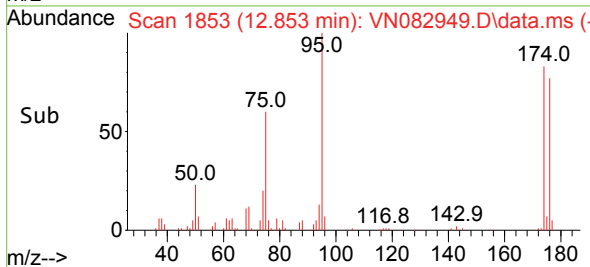
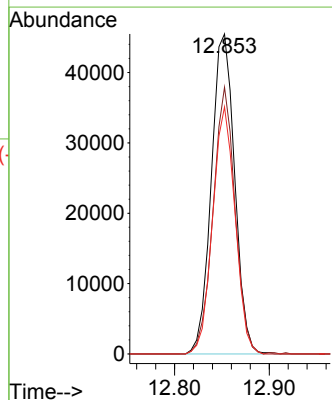
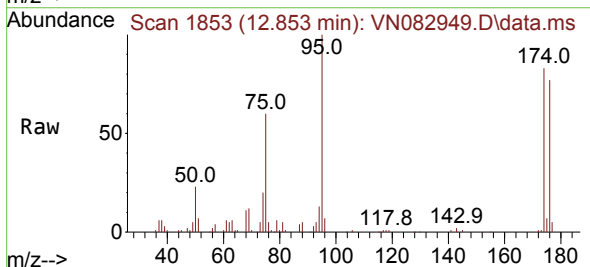
Instrument :
MSVOA_N
ClientSampleId :

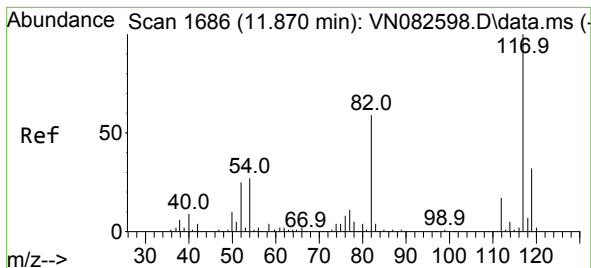
Tgt Ion: 43 Resp: 64161
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 43.015 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

Tgt Ion: 95 Resp: 77690
Ion Ratio Lower Upper
95 100
174 79.2 0.0 159.2
176 74.4 0.0 147.6

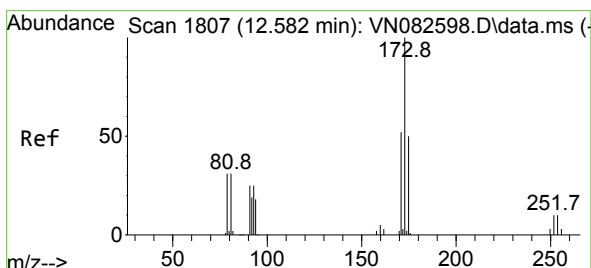
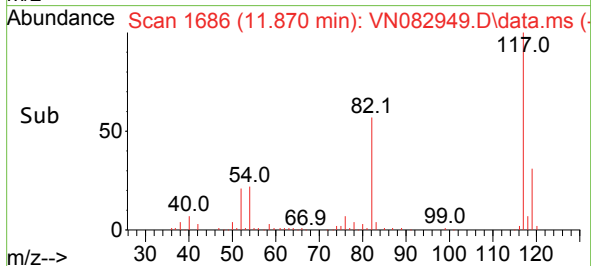
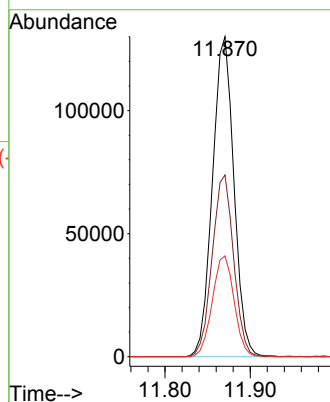
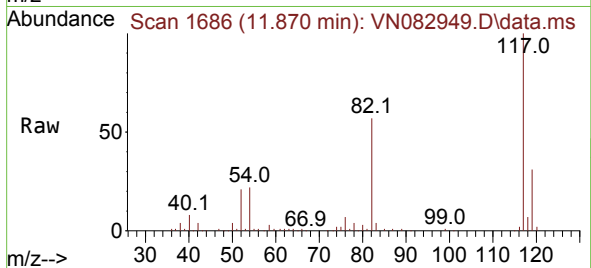




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

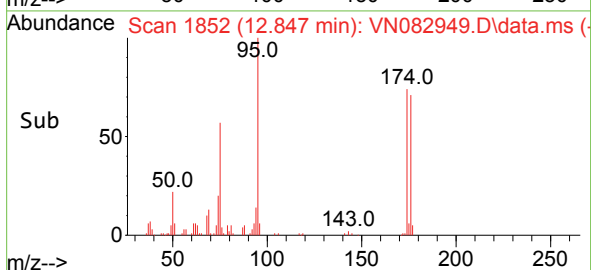
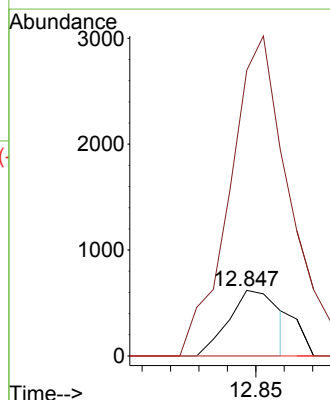
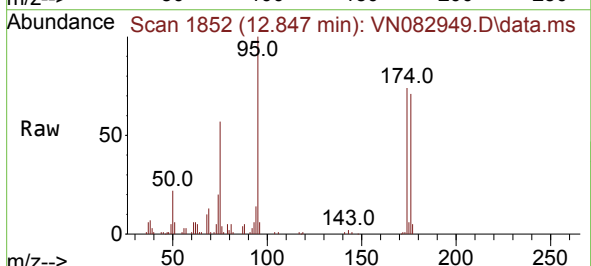
Instrument :
MSVOA_N
ClientSampleId :

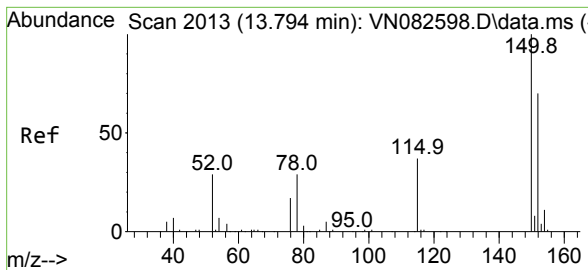
Tgt Ion:117 Resp: 226909
Ion Ratio Lower Upper
117 100
82 56.8 47.5 71.3
119 31.5 25.6 38.4



#71
Bromoform
Concen: 0.554 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082949.D
Acq: 16 Jul 2024 20:53

Tgt Ion:173 Resp: 754
Ion Ratio Lower Upper
173 100
175 483.2 24.0 72.0#
254 0.0 0.0 0.0

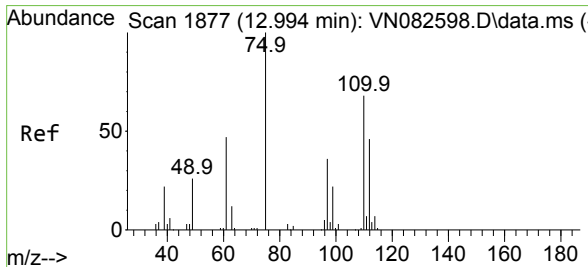
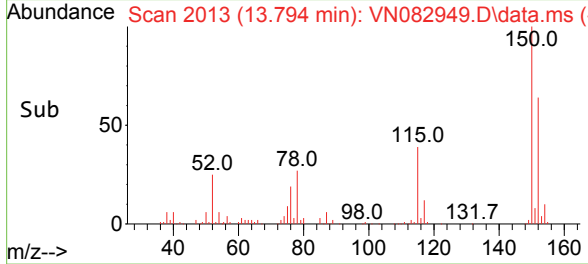
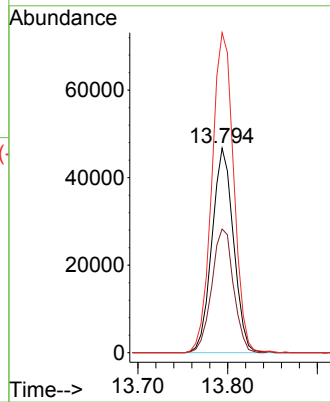
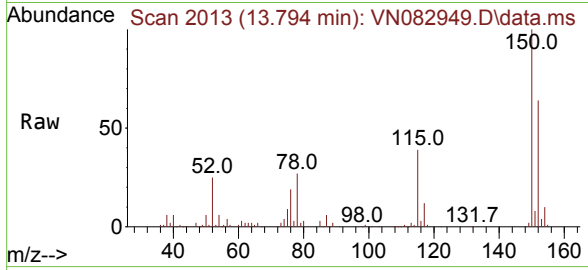




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN082949.D
 Acq: 16 Jul 2024 20:53

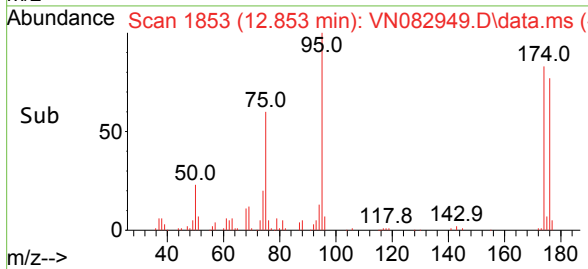
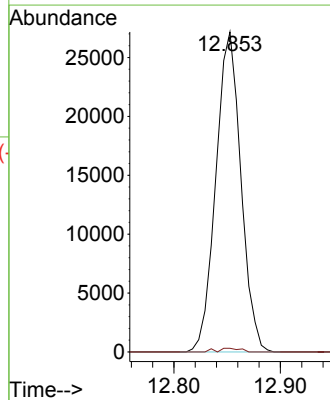
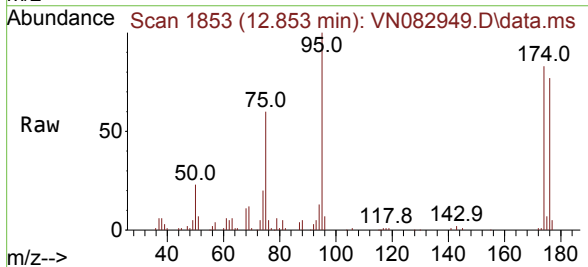
Instrument :
 MSVOA_N
 ClientSampleId :

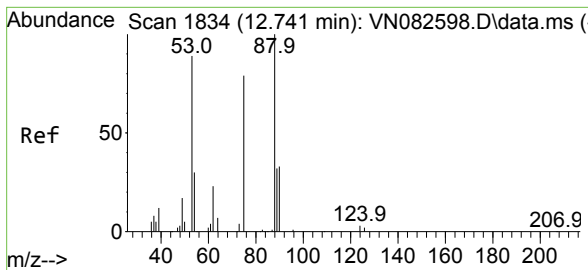
Tgt Ion:152 Resp: 77960
 Ion Ratio Lower Upper
 152 100
 115 61.2 30.6 91.6
 150 158.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 32.982 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN082949.D
 Acq: 16 Jul 2024 20:53

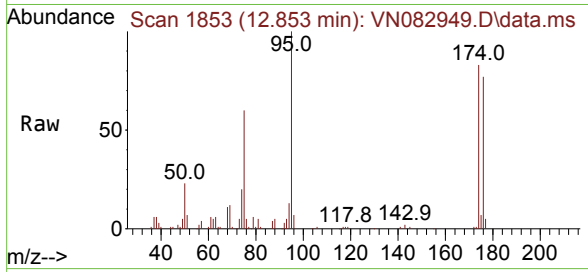
Tgt Ion: 75 Resp: 44330
 Ion Ratio Lower Upper
 75 100
 77 1.1 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.866 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082949.D
 Acq: 16 Jul 2024 20:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	44330
Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

