

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083785.D
 Acq On : 11 Sep 2024 10:26
 Operator : JC\MD
 Sample : P3906-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-701-COMP-01

Quant Time: Sep 11 16:23:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

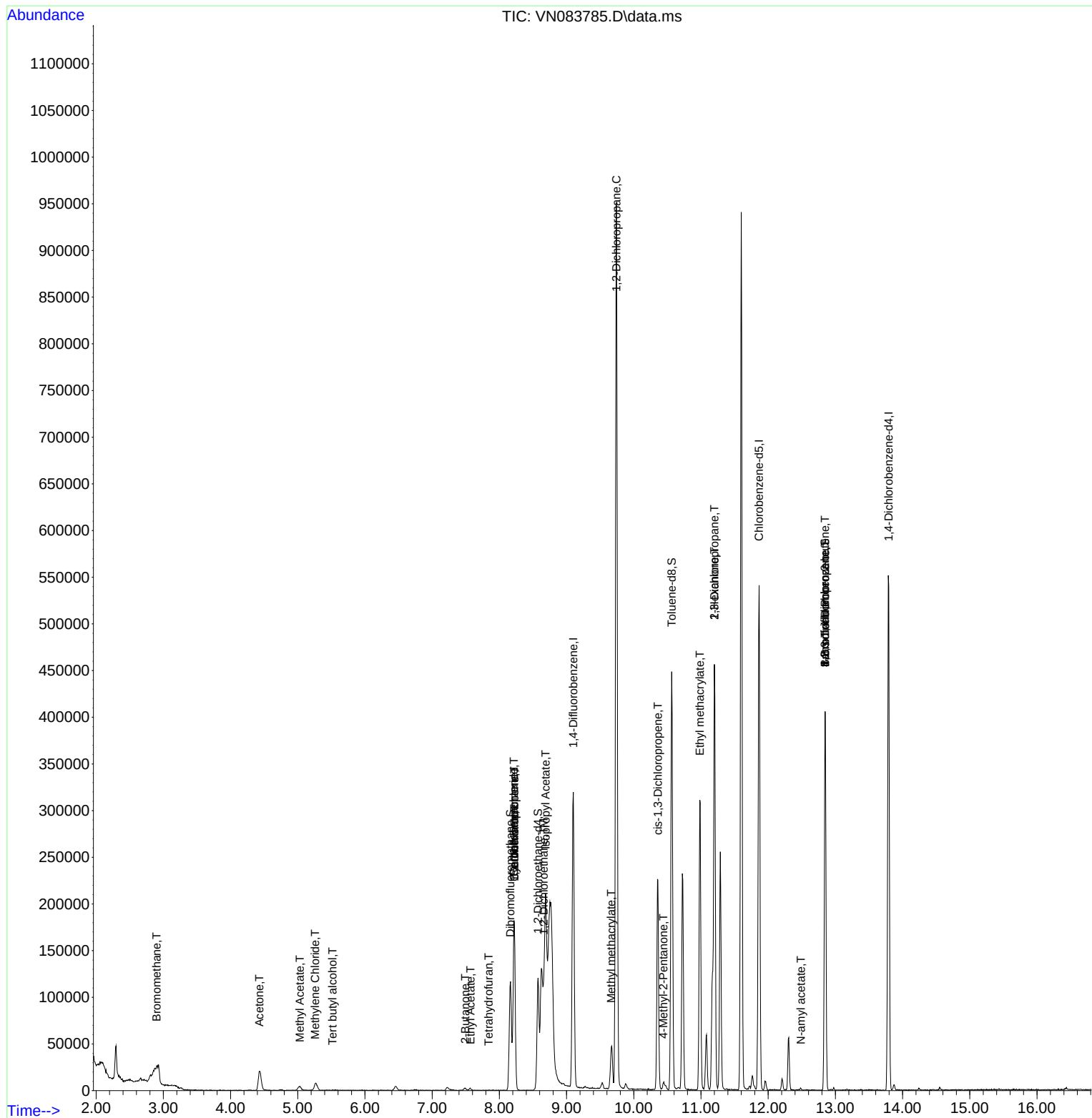
Internal Standards						
1) Pentafluorobenzene	8.218	168	121052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	260253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	140235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	101880	55.816	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.640%			
35) Dibromofluoromethane	8.165	113	81700	49.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.080%			
50) Toluene-d8	10.565	98	297664	51.679	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.847	95	135686	57.098	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.200%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	563	Below Cal	#	86
5) Bromomethane	2.901	94	179	0.202	ug/l #	72
11) Tert butyl alcohol	5.518	59	195	0.798	ug/l #	71
16) Acetone	4.430	43	39602	54.122	ug/l	97
18) Methyl Acetate	5.030	43	9420	4.490	ug/l	93
20) Methylene Chloride	5.259	84	5726	3.824	ug/l	94
25) 2-Butanone	7.494	43	4605	4.788	ug/l #	83
29) Tetrahydrofuran	7.841	42	131	0.230	ug/l #	32
31) Cyclohexane	8.224	56	3428	1.299	ug/l #	5
36) 1,1-Dichloropropene	8.224	75	12035	4.799	ug/l #	48
37) Ethyl Acetate	7.571	43	3249	1.427	ug/l #	92
38) Carbon Tetrachloride	8.218	117	14646	5.148	ug/l #	17
42) 1,2-Dichloroethane	8.659	62	665	0.236	ug/l #	77
43) Isopropyl Acetate	8.688	43	132388	32.095	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1068	0.585	ug/l #	42
48) Methyl methacrylate	9.665	41	3110	1.589	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	9415	4.193	ug/l #	69
54) cis-1,3-Dichloropropene	10.359	75	39482	13.409	ug/l #	62
56) Ethyl methacrylate	10.982	69	1068	0.403	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4874	1.645	ug/l #	42
59) 2-Hexanone	11.200	43	61648	37.116	ug/l #	53
71) Bromoform	12.847	173	525	0.345	ug/l #	1
74) N-amyl acetate	12.488	43	1223	0.264	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	77210	27.286	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77210	71.464	ug/l #	9

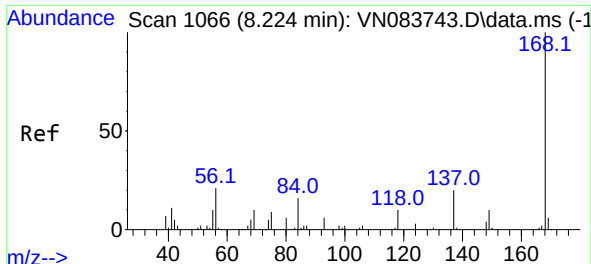
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Sep 11 16:23:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

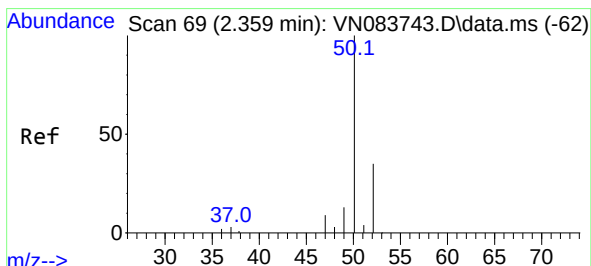
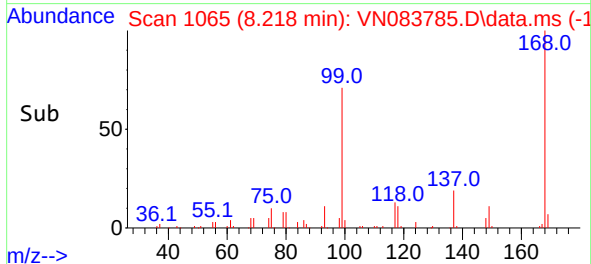
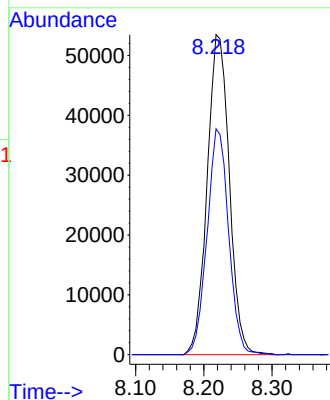
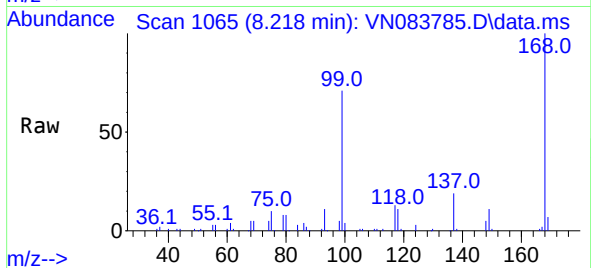




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

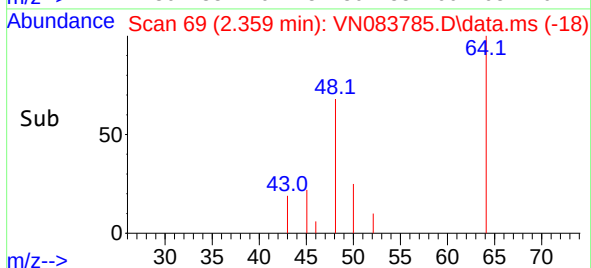
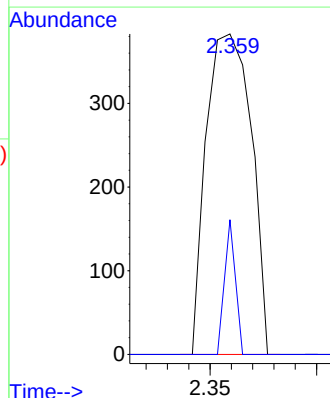
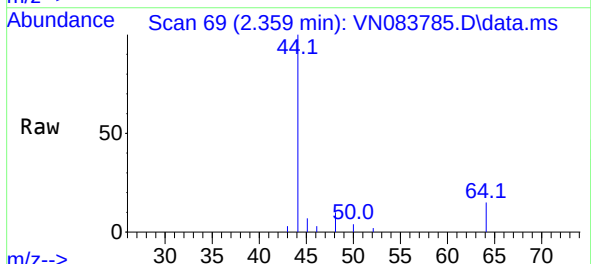
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

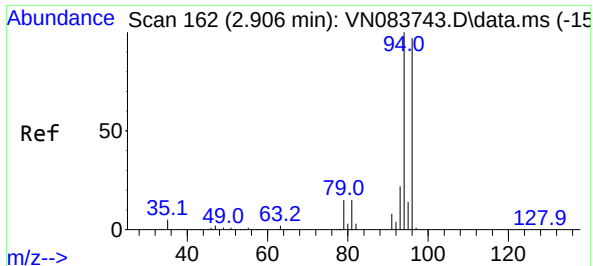
Tgt Ion:168 Resp: 121052
Ion Ratio Lower Upper
168 100
99 70.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion: 50 Resp: 563
Ion Ratio Lower Upper
50 100
52 42.0 27.2 40.8#

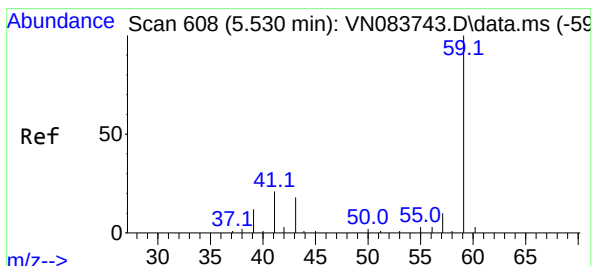
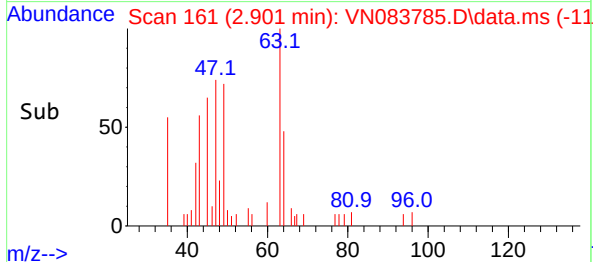
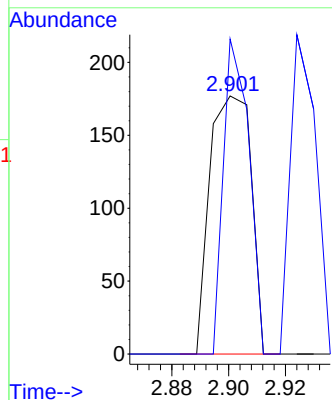
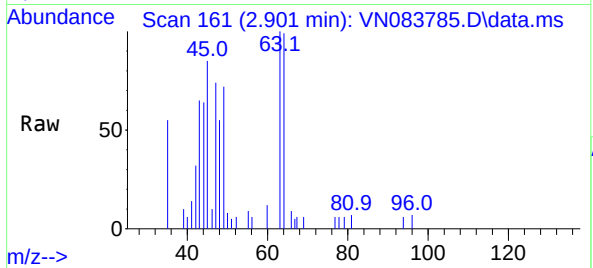




#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

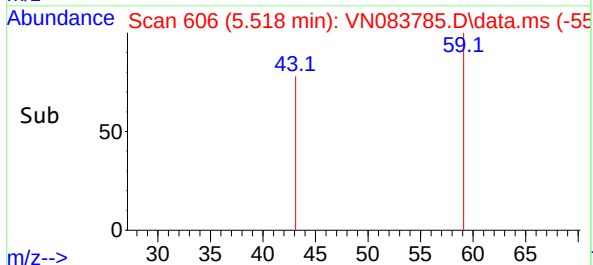
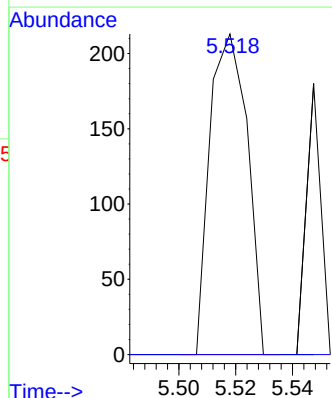
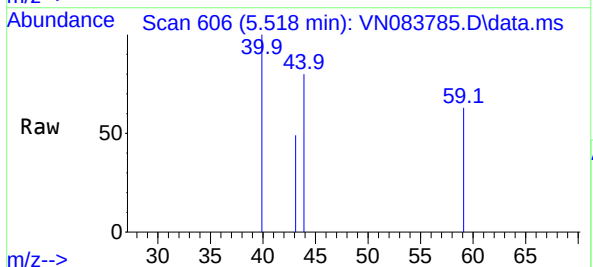
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

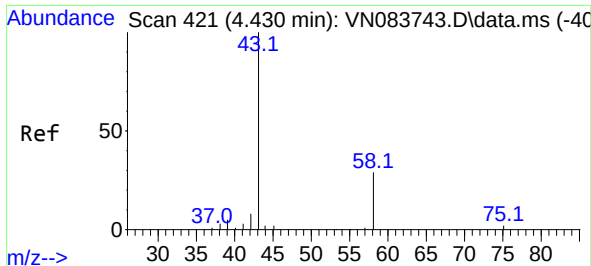
Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 122.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 0.798 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

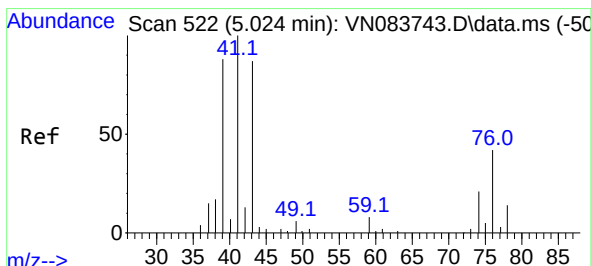
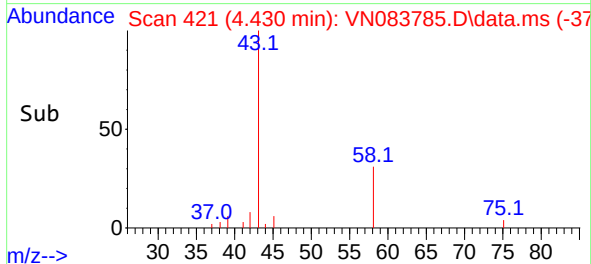
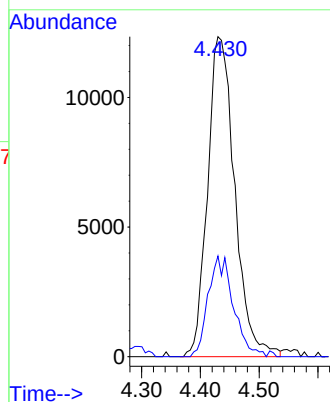
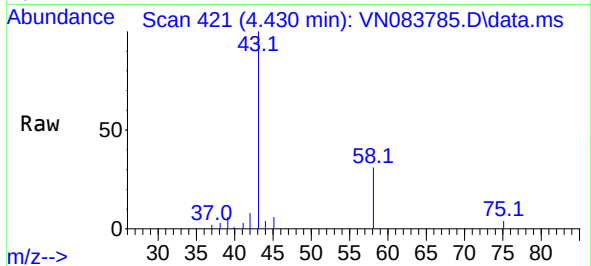




#16
Acetone
Concen: 54.122 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

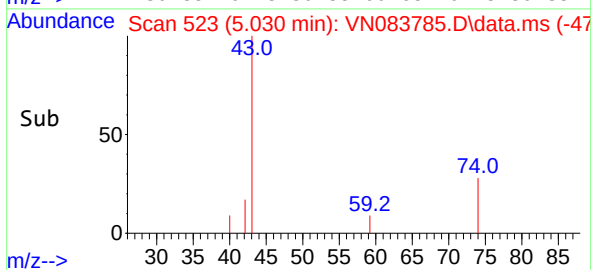
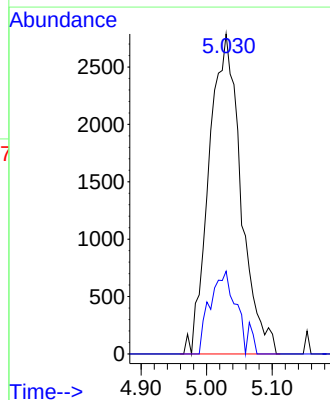
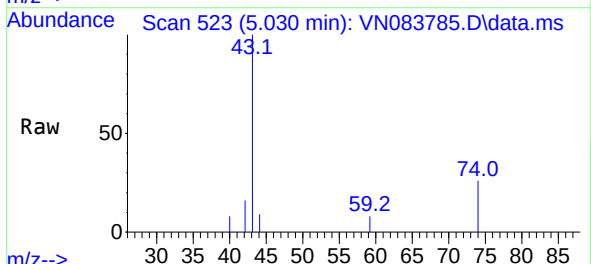
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

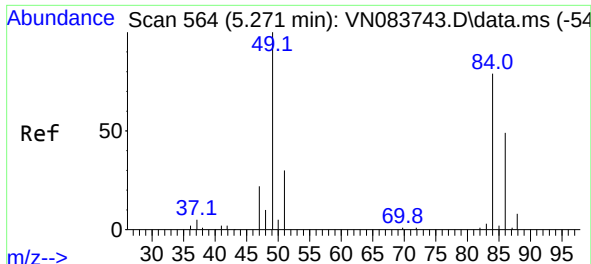
Tgt Ion: 43 Resp: 39602
Ion Ratio Lower Upper
43 100
58 31.4 23.7 35.5



#18
Methyl Acetate
Concen: 4.490 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

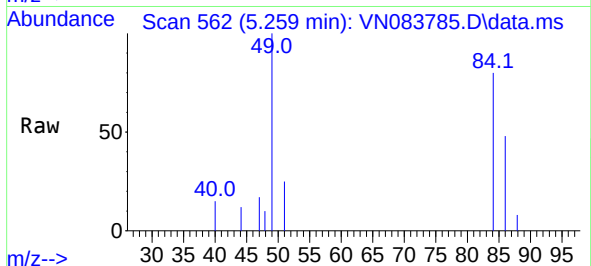
Tgt Ion: 43 Resp: 9420
Ion Ratio Lower Upper
43 100
74 20.3 19.0 28.4





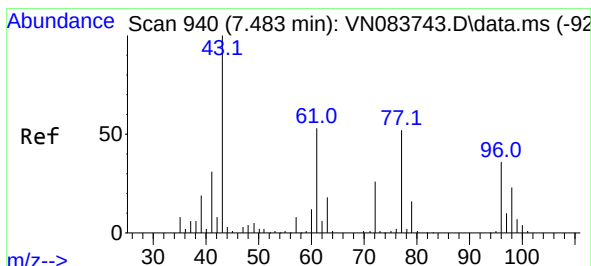
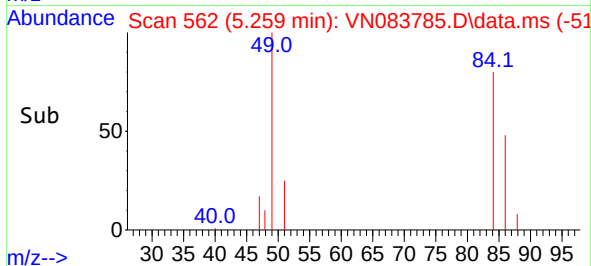
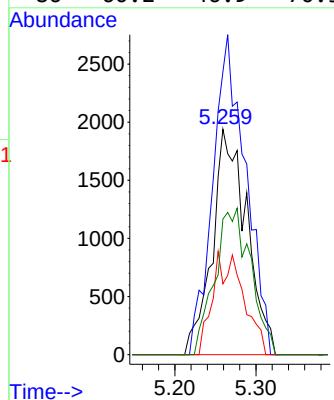
#20
Methylene Chloride
Concen: 3.824 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01



Tgt Ion: 84 Resp: 5726

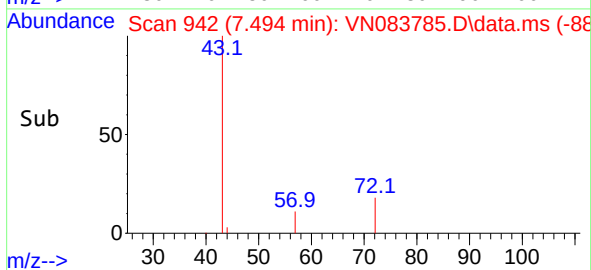
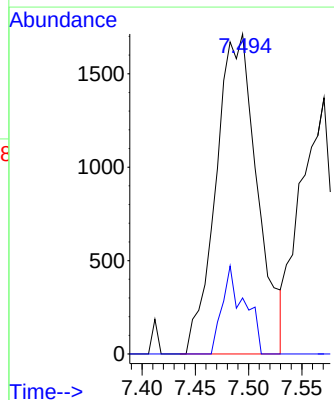
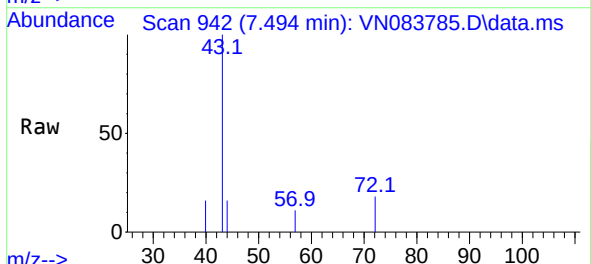
Ion	Ratio	Lower	Upper
84	100		
49	125.4	93.4	140.0
51	31.4	29.2	43.8
86	60.2	46.9	70.3

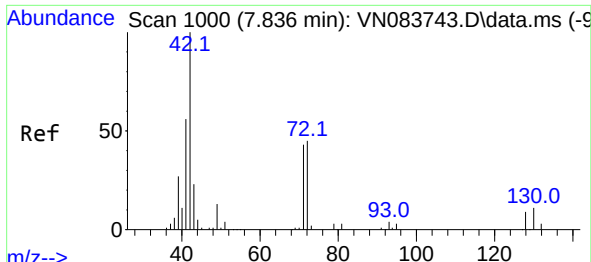


#25
2-Butanone
Concen: 4.788 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion: 43 Resp: 4605

Ion	Ratio	Lower	Upper
43	100		
72	17.5	20.8	31.2#

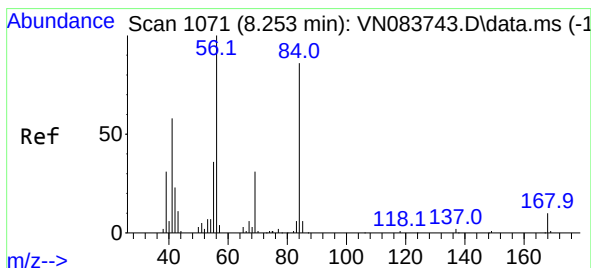
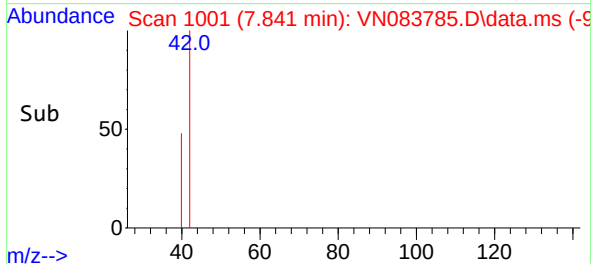
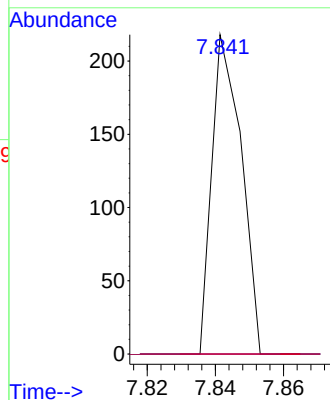
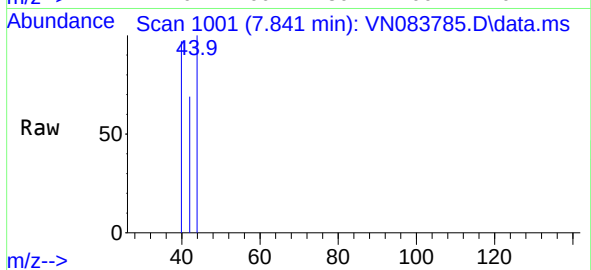




#29
Tetrahydrofuran
Concen: 0.230 ug/l
RT: 7.841 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

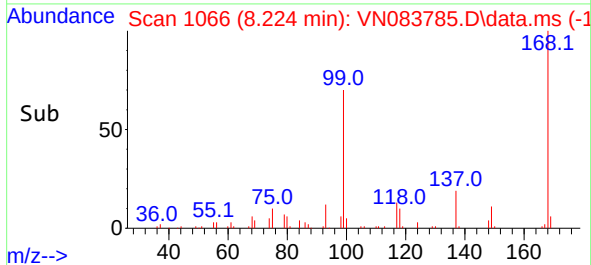
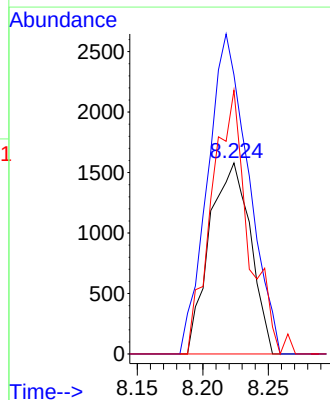
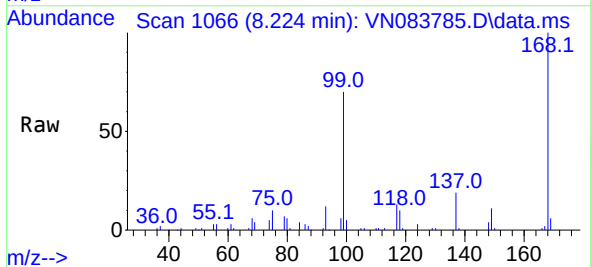
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

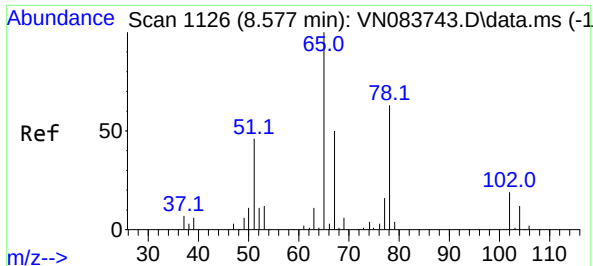
Tgt Ion:	42	Resp:	131
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	33.9	50.9#



#31
Cyclohexane
Concen: 1.299 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion:	56	Resp:	3428
Ion	Ratio	Lower	Upper
56	100		
69	146.0	26.9	40.3#
84	138.0	69.2	103.8#

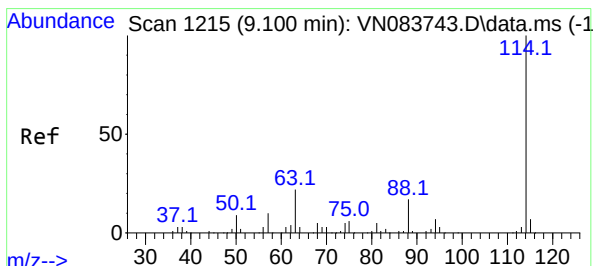
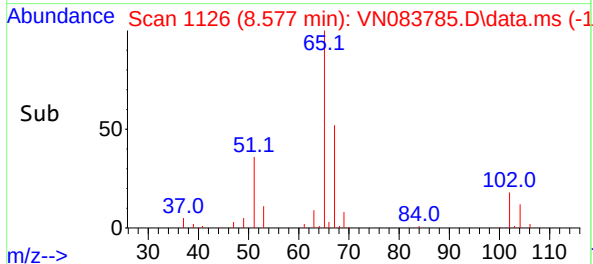
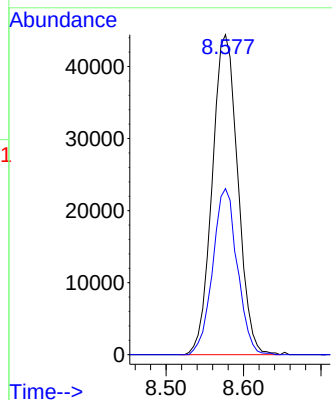
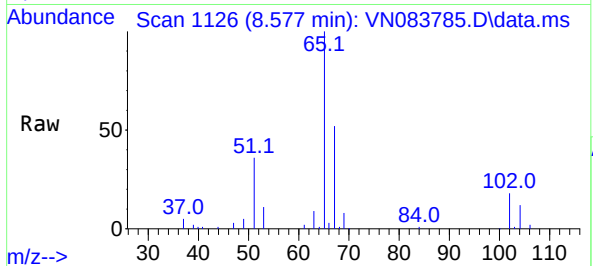




#33
1,2-Dichloroethane-d4
Concen: 55.816 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

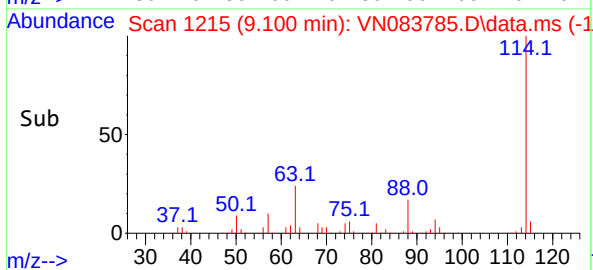
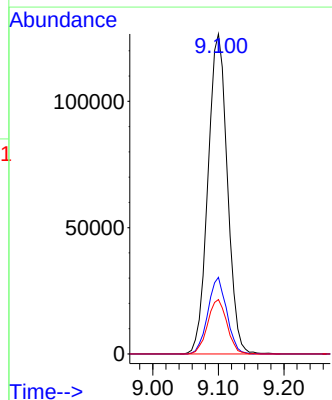
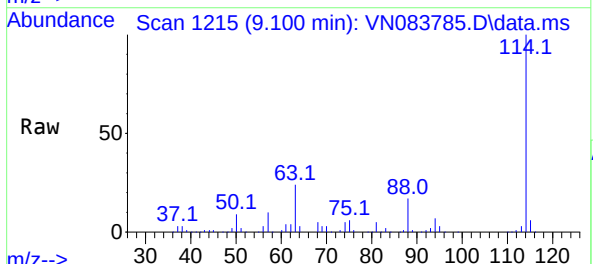
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SU-701-COMP-01

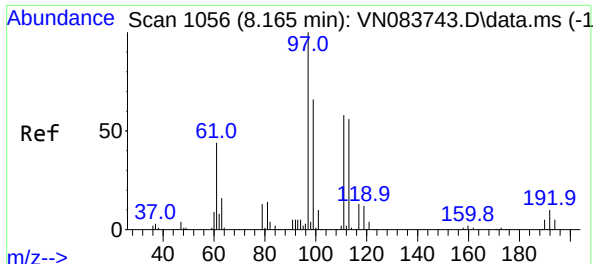
Tgt Ion: 65 Resp: 101880
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion: 114 Resp: 260253
Ion Ratio Lower Upper
114 100
63 24.0 0.0 43.4
88 17.0 0.0 32.6

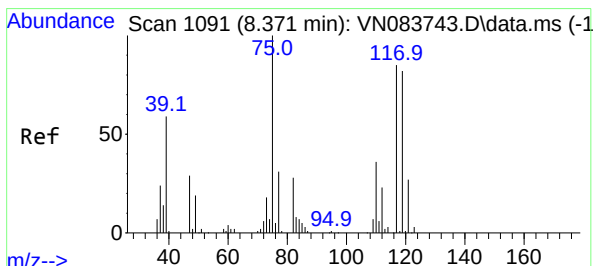
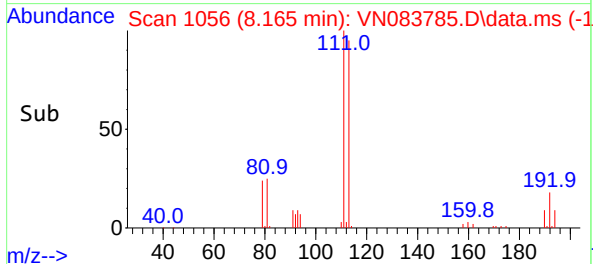
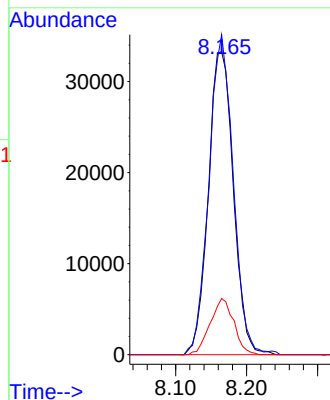
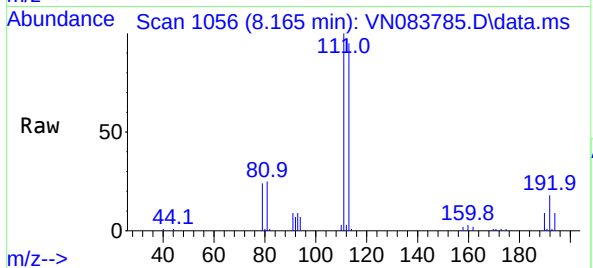




#35
Dibromofluoromethane
Concen: 49.036 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

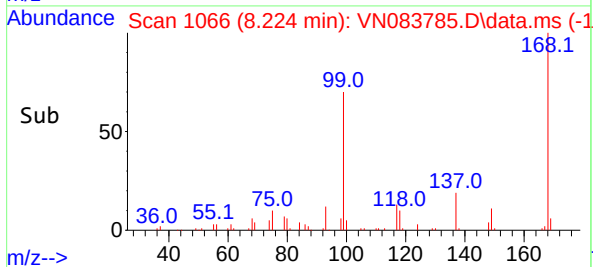
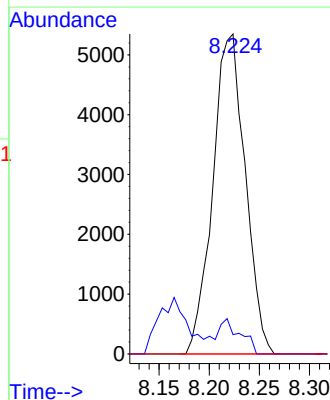
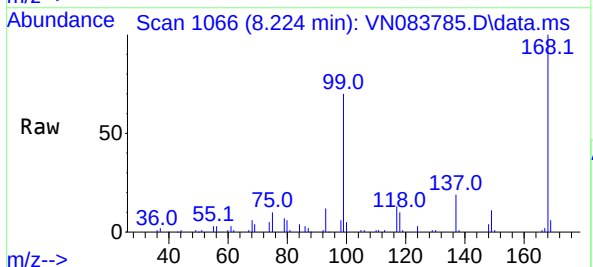
Instrument :
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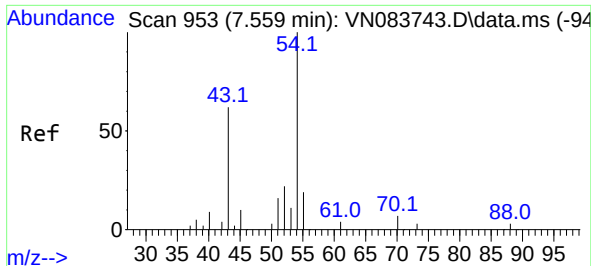
Tgt Ion:113 Resp: 81700
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 17.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.799 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion: 75 Resp: 12035
Ion Ratio Lower Upper
75 100
110 6.9 16.7 50.1#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.427 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN083785.D

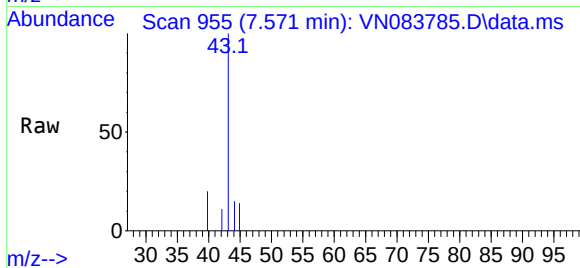
Acq: 11 Sep 2024 10:26

Instrument :

MSVOA_N

ClientSampleId :

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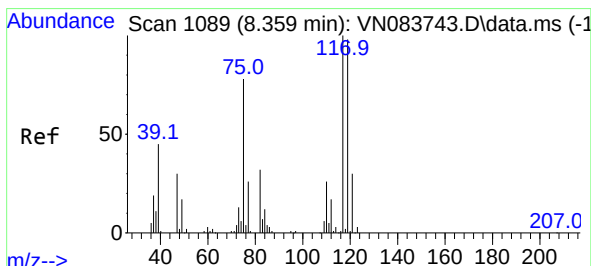
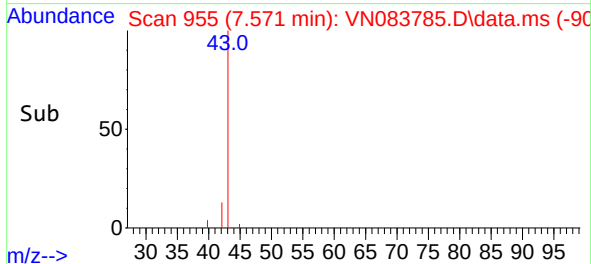
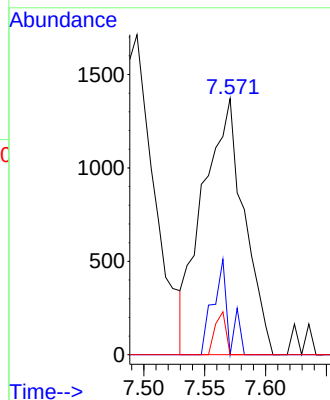
Tgt Ion: 43 Resp: 3249

Ion Ratio Lower Upper

43 100

61 14.1 11.1 16.7

70 4.3 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.148 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN083785.D

Acq: 11 Sep 2024 10:26

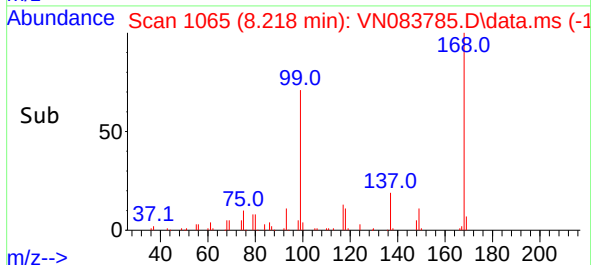
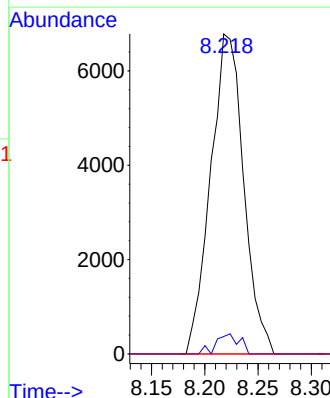
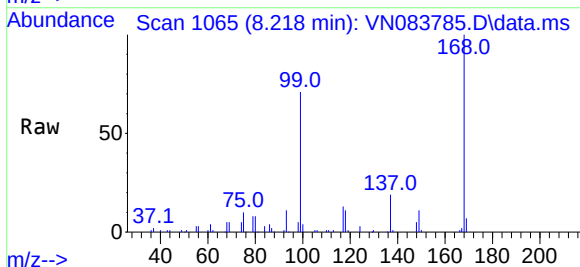
Tgt Ion: 117 Resp: 14646

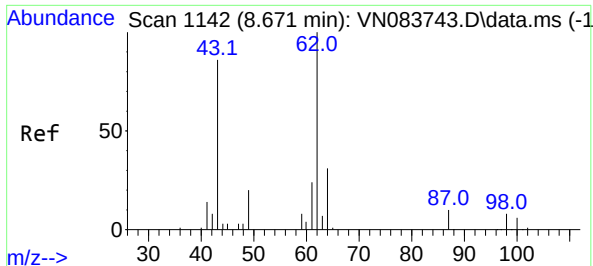
Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 24.1 36.1#

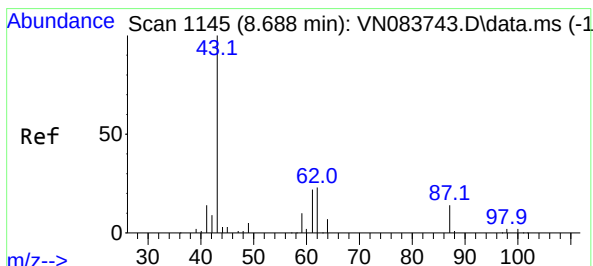
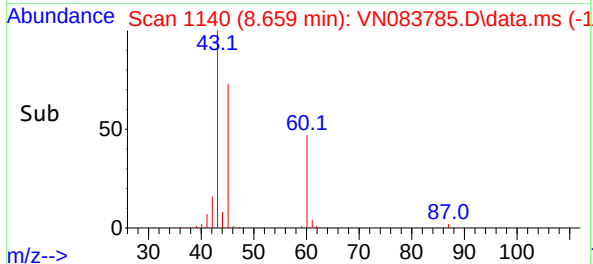
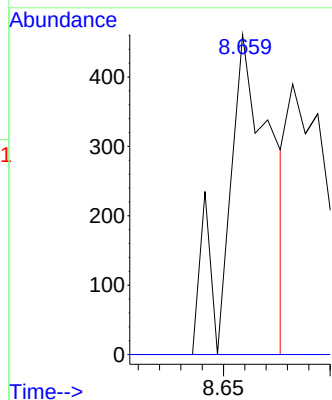
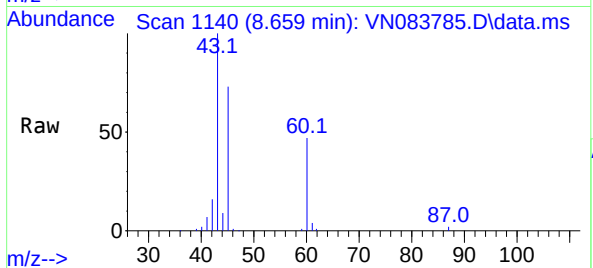




#42
1,2-Dichloroethane
Concen: 0.236 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.012 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

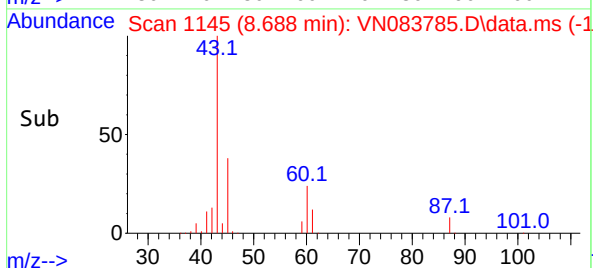
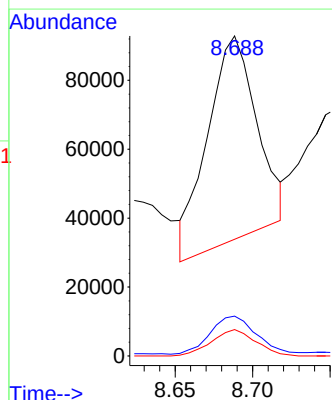
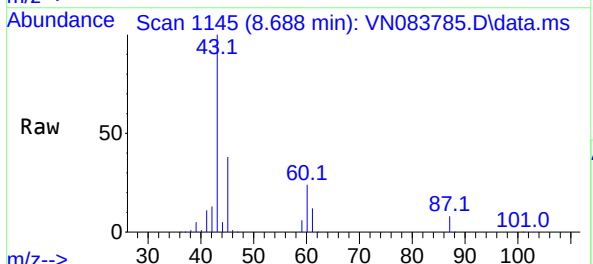
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

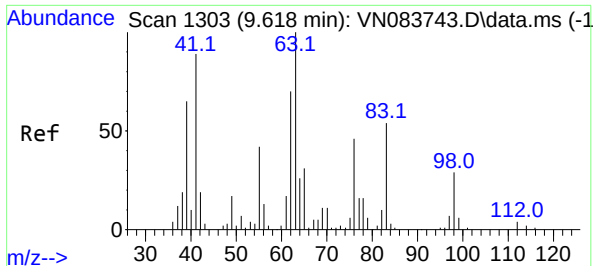
Tgt Ion: 62 Resp: 665
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



#43
Isopropyl Acetate
Concen: 32.095 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion: 43 Resp: 132388
Ion Ratio Lower Upper
43 100
61 17.2 19.4 29.0#
87 11.5 9.8 14.6

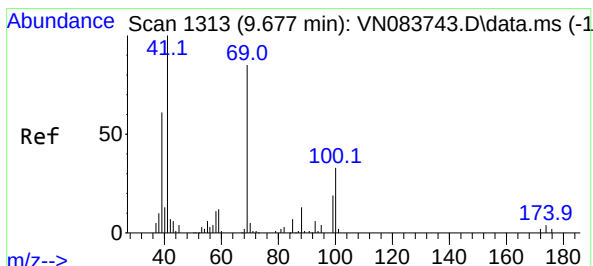
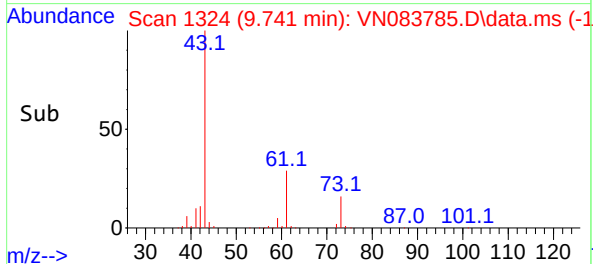
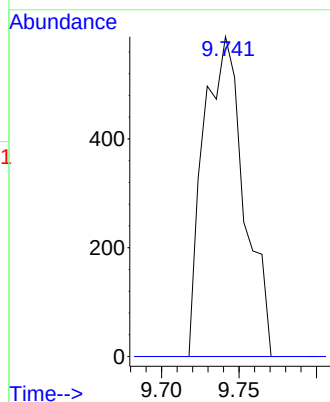
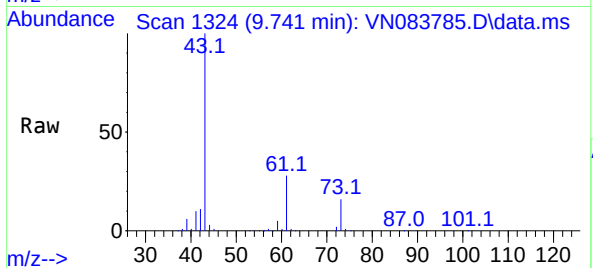




#45
1,2-Dichloropropane
Concen: 0.585 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

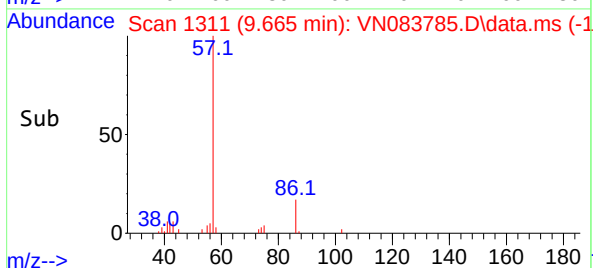
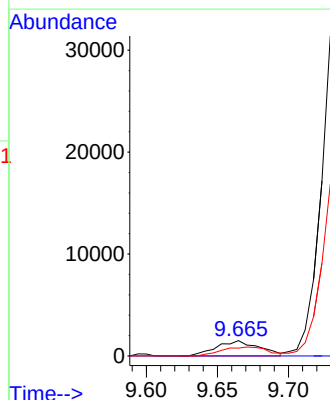
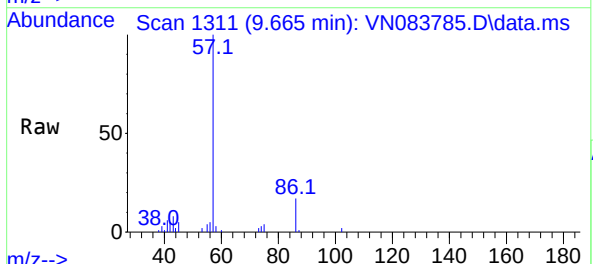
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

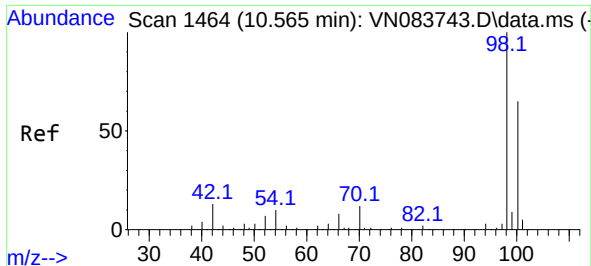
Tgt Ion: 63 Resp: 1068
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 1.589 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion: 41 Resp: 3110
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 66.7 48.9 73.3

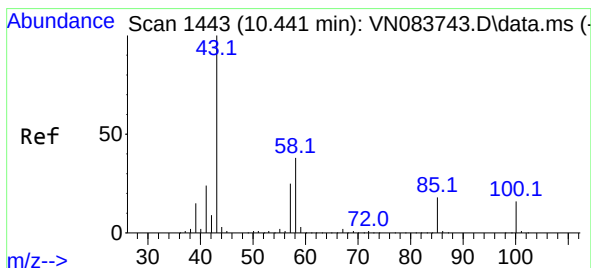
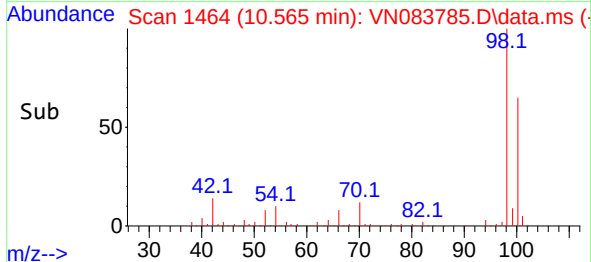
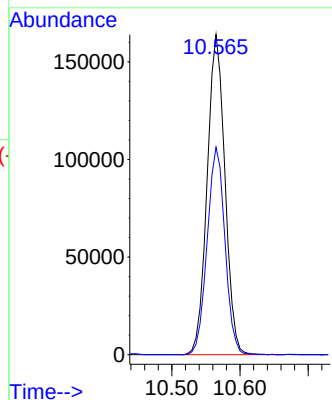
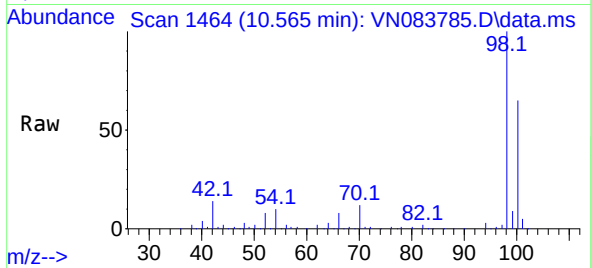




#50
Toluene-d8
Concen: 51.679 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

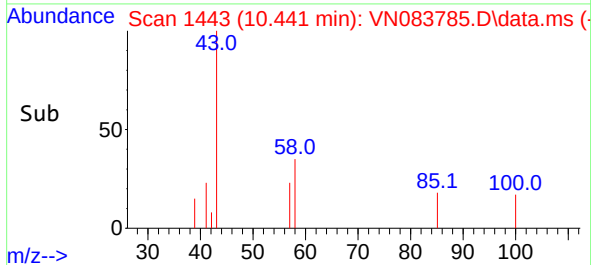
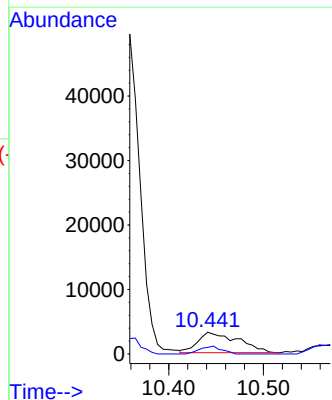
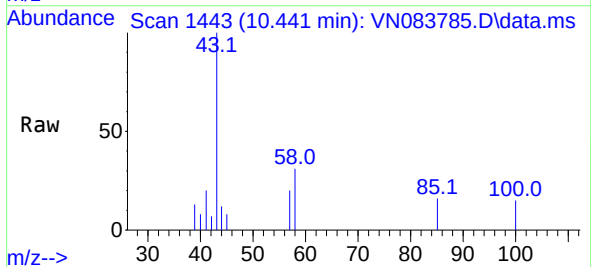
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

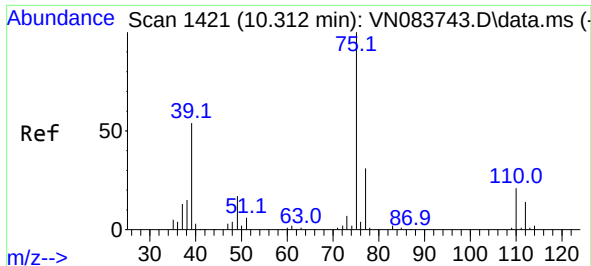
Tgt Ion: 98 Resp: 297664
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.193 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion: 43 Resp: 9415
Ion Ratio Lower Upper
43 100
58 20.4 31.6 47.4#

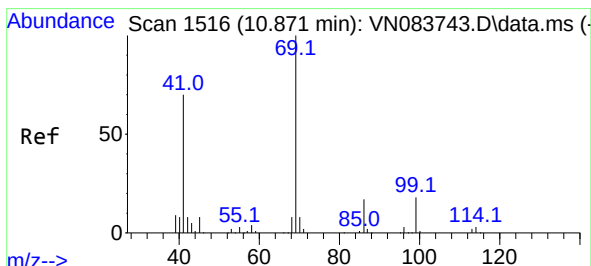
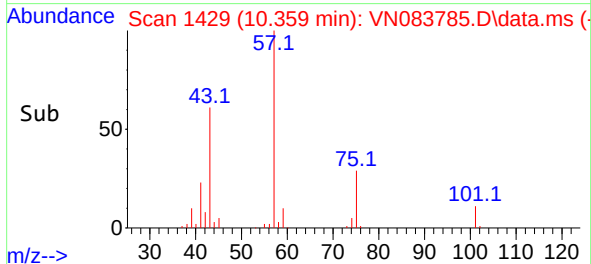
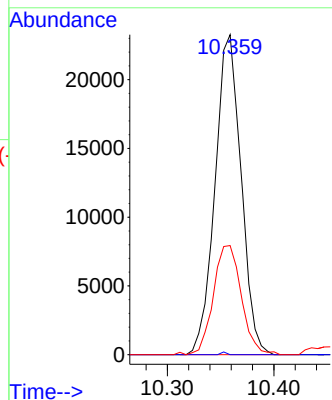
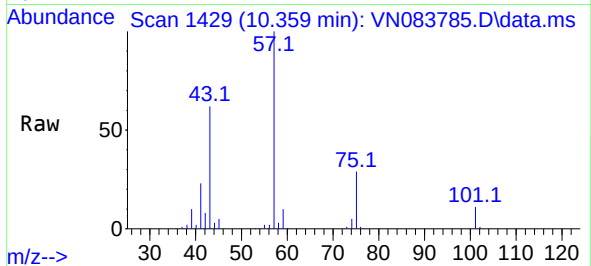




#54
cis-1,3-Dichloropropene
Concen: 13.409 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

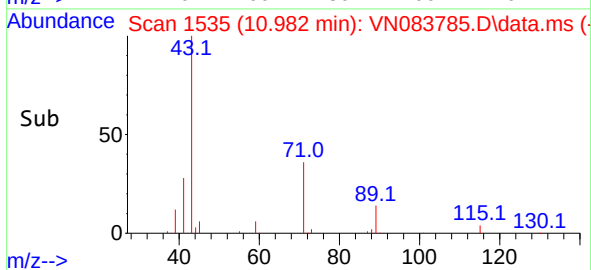
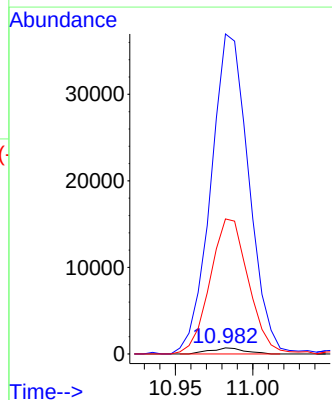
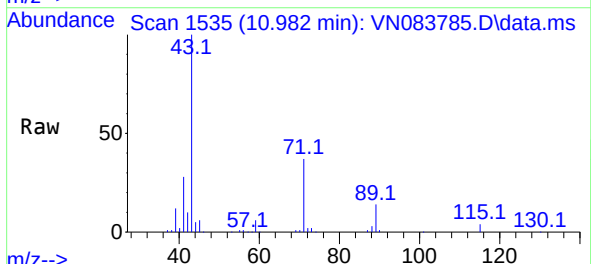
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

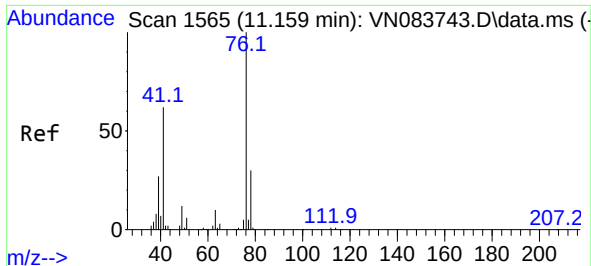
Tgt Ion: 75 Resp: 39482
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 34.1 42.6 64.0#



#56
Ethyl methacrylate
Concen: 0.403 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion: 69 Resp: 1068
Ion Ratio Lower Upper
69 100
41 5934.1 53.9 80.9#
39 2530.0 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.645 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN083785.D

Acq: 11 Sep 2024 10:26

Instrument :

MSVOA_N

ClientSampleId :

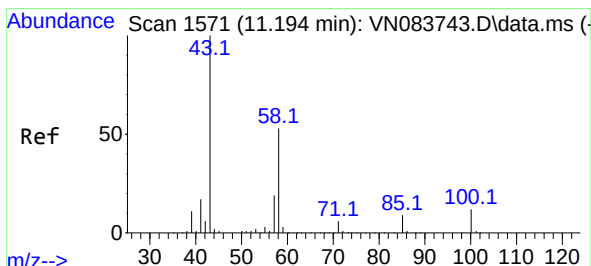
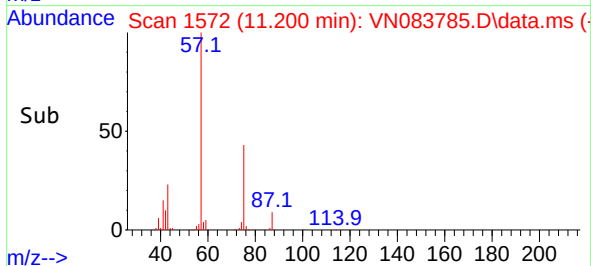
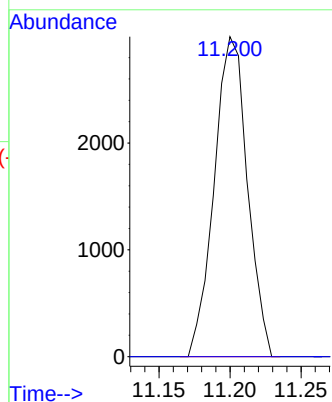
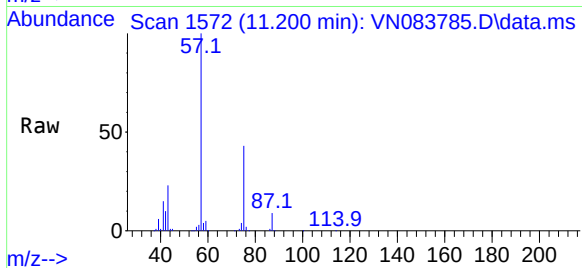
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Tgt Ion: 76 Resp: 4874

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 37.116 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083785.D

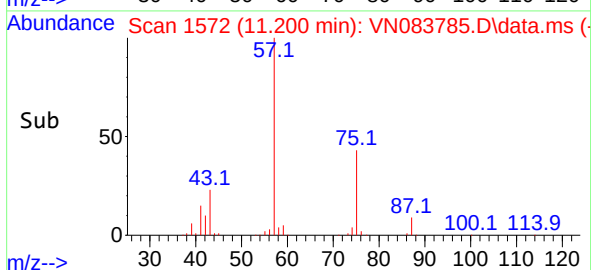
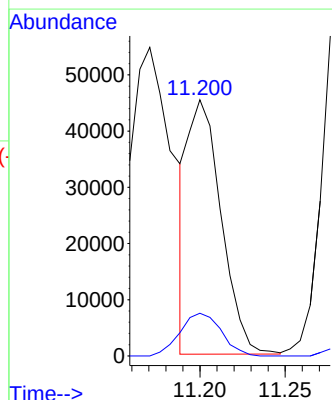
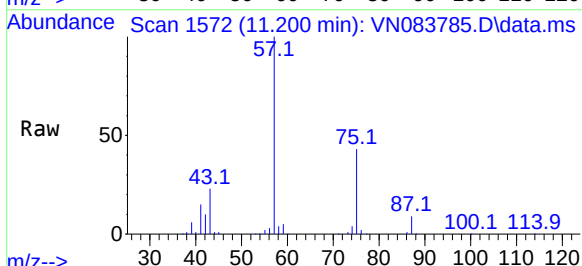
Acq: 11 Sep 2024 10:26

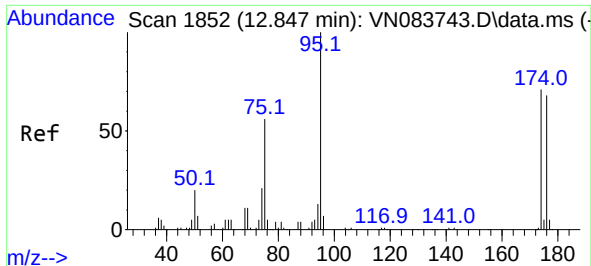
Tgt Ion: 43 Resp: 61648

Ion Ratio Lower Upper

43 100

58 20.8 27.2 81.5#

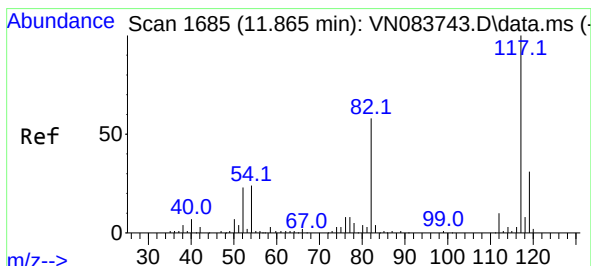
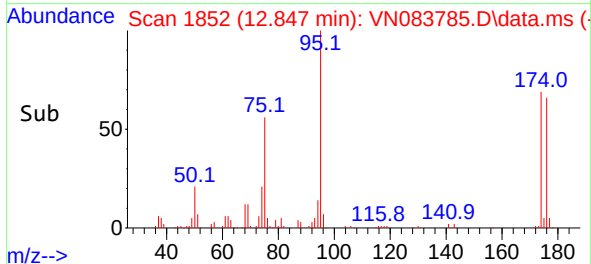
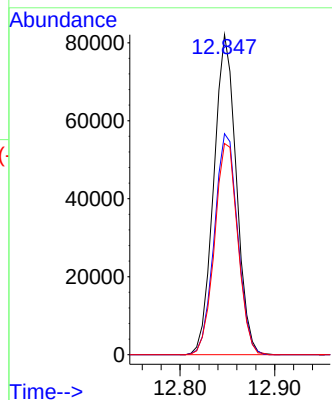
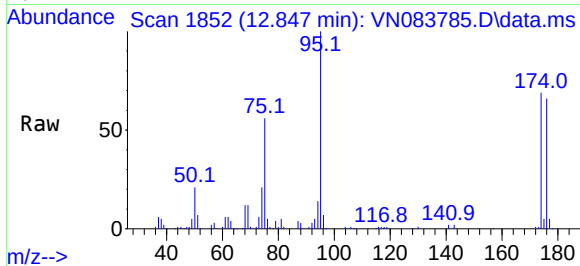




#62
4-Bromofluorobenzene
Concen: 57.098 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

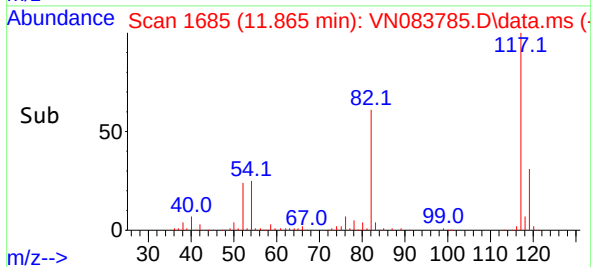
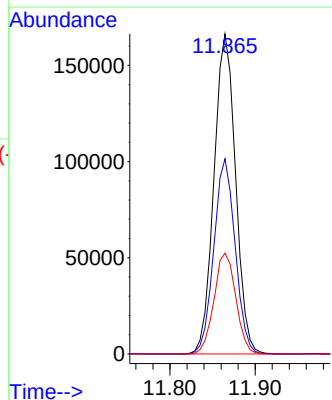
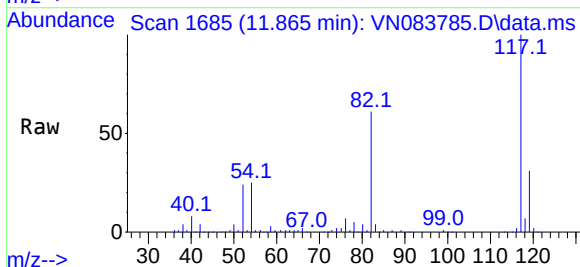
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

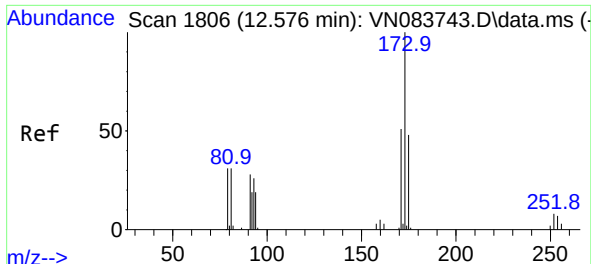
Tgt Ion: 95 Resp: 135686
Ion Ratio Lower Upper
95 100
174 71.7 0.0 139.8
176 68.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion: 117 Resp: 292751
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.0
119 31.5 26.3 39.5

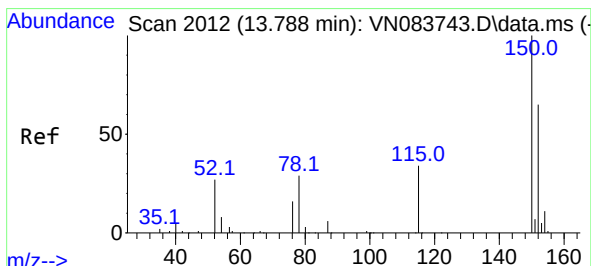
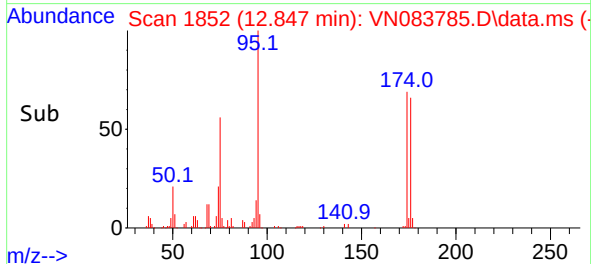
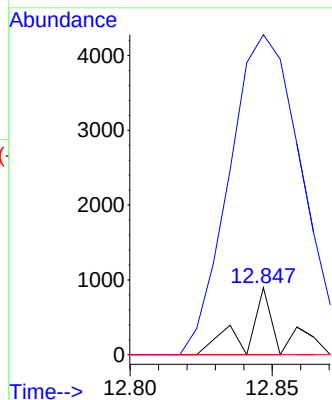
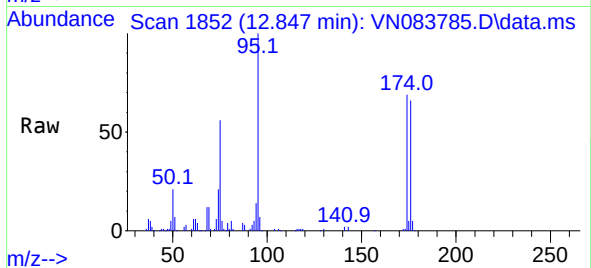




#71
Bromoform
Concen: 0.345 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

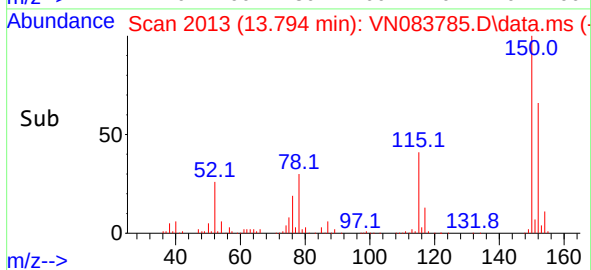
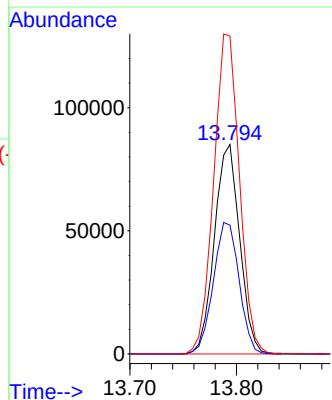
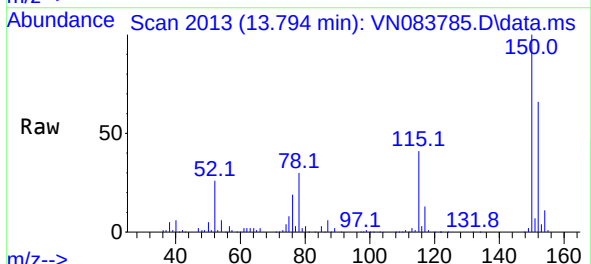
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

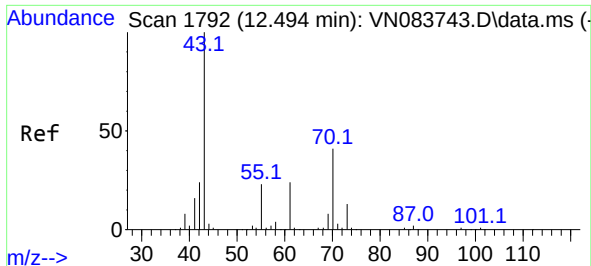
Tgt Ion:173 Resp: 525
Ion Ratio Lower Upper
173 100
175 1086.7 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

Tgt Ion:152 Resp: 140235
Ion Ratio Lower Upper
152 100
115 64.1 32.2 96.6
150 155.7 0.0 348.6

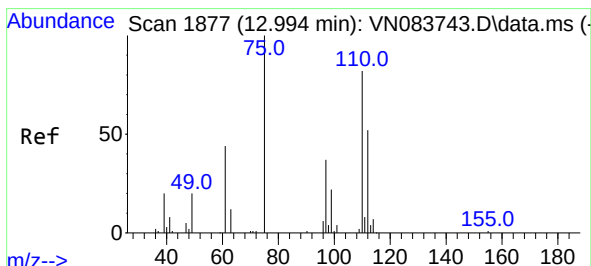
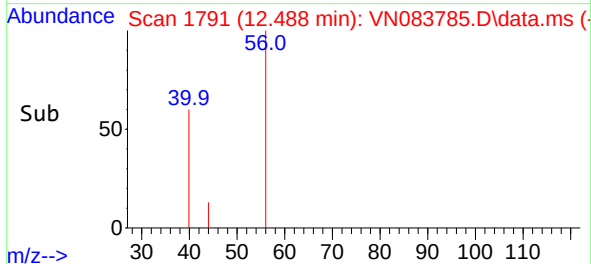
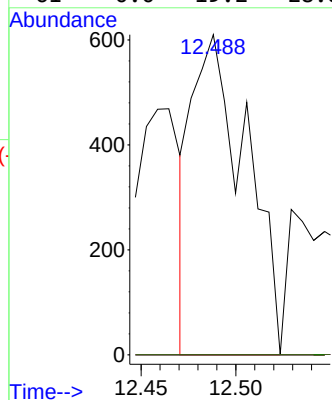
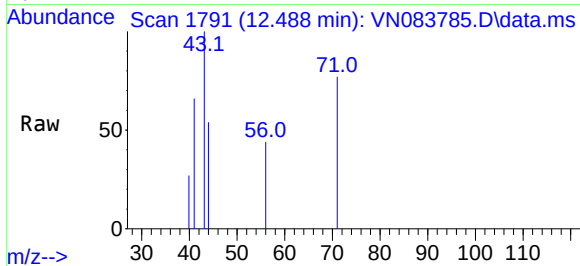




#74
N-amy1 acetate
Concen: 0.264 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

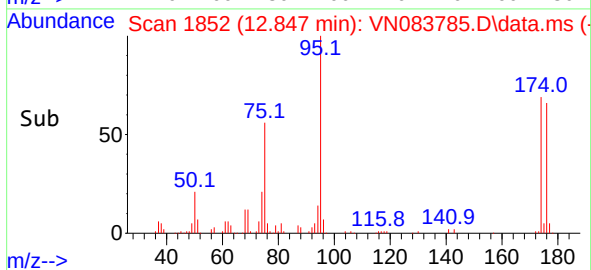
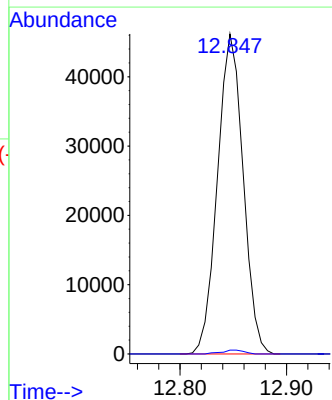
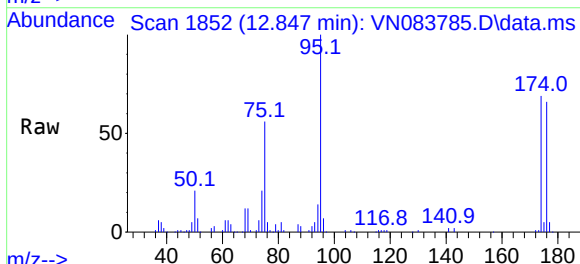
Instrument :
MSVOA_N
ClientSampleId :
SU-701-COMP-01

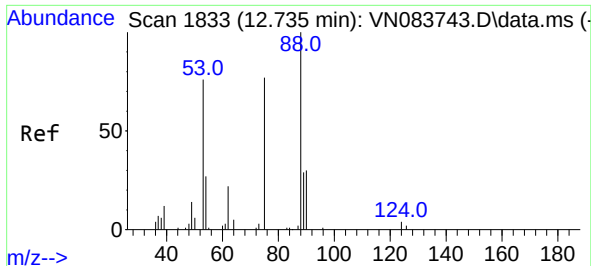
Tgt Ion: 43	Resp:	1223
Ion	Ratio	Lower Upper
43	100	
70	0.0	34.5 51.7#
55	0.0	18.6 28.0#
61	0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 27.286 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083785.D
Acq: 11 Sep 2024 10:26

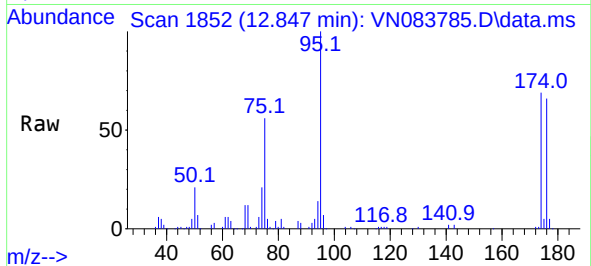
Tgt Ion: 75	Resp:	77210
Ion	Ratio	Lower Upper
75	100	
77	1.1	95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.464 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083785.D
 Acq: 11 Sep 2024 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-701-COMP-01



Tgt Ion: 75 Resp: 77210
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

