

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
 Data File : VN087973.D
 Acq On : 26 Sep 2025 17:34
 Operator : JC\MD
 Sample : Q3208-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

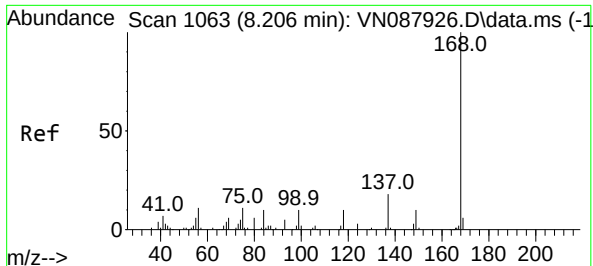
Quant Time: Sep 27 01:29:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	202931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	462742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	496499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	230326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	209804	61.433	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.860%			
35) Dibromofluoromethane	8.153	113	170667	50.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.547	98	600672	50.840	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.829	95	209221	49.541	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.080%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	465	0.945	ug/l #	71
16) Acetone	4.418	43	85936	61.158	ug/l	99
18) Methyl Acetate	5.018	43	9047	2.573	ug/l #	77
20) Methylene Chloride	5.271	84	40353	14.188	ug/l	89
25) 2-Butanone	7.483	43	8869	4.130	ug/l	94
29) Tetrahydrofuran	7.824	42	1151	0.837	ug/l #	47
31) Cyclohexane	8.206	56	6194	1.617	ug/l #	32
36) 1,1-Dichloropropene	8.206	75	18135	4.489	ug/l #	52
37) Ethyl Acetate	7.553	43	3503	0.660	ug/l #	78
38) Carbon Tetrachloride	8.200	117	22648	4.885	ug/l #	21
41) Methacrylonitrile	7.841	41	983	0.359	ug/l #	44
43) Isopropyl Acetate	8.677	43	16997	2.035	ug/l	95
45) 1,2-Dichloropropane	9.718	63	966	0.288	ug/l #	43
48) Methyl methacrylate	9.724	41	70724	18.289	ug/l #	42
51) 4-Methyl-2-Pentanone	10.424	43	11448	2.197	ug/l #	75
54) cis-1,3-Dichloropropene	10.341	75	36777	6.665	ug/l #	64
56) Ethyl methacrylate	10.971	69	1177	0.239	ug/l #	1
57) 1,3-Dichloropropane	11.176	76	2014	0.359	ug/l #	42
59) 2-Hexanone	11.188	43	31437	9.124	ug/l #	57
76) 1,2,3-Trichloropropane	12.829	75	115705	25.484	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	115705	70.766	ug/l #	9

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

Quant Time: Sep 27 01:29:48 2025
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Response via : Initial Calibration

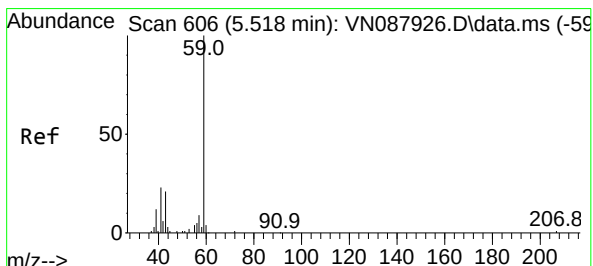
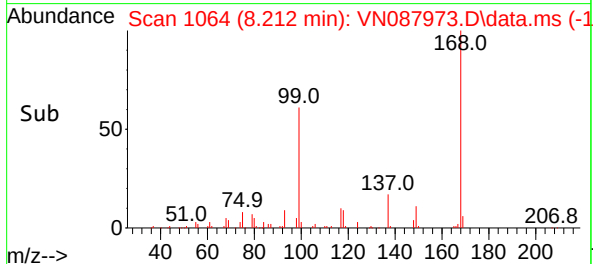
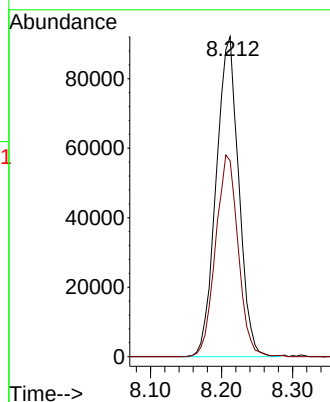
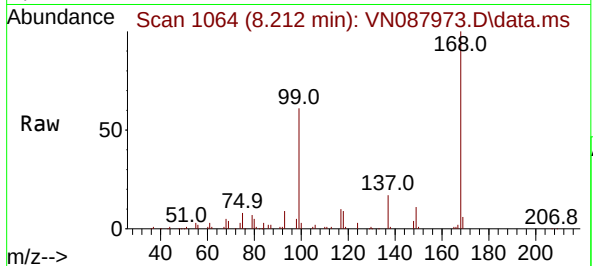




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34

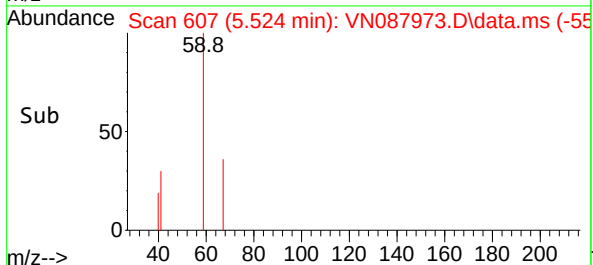
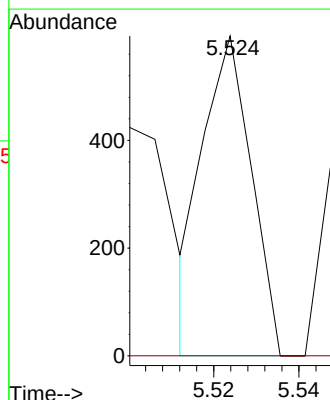
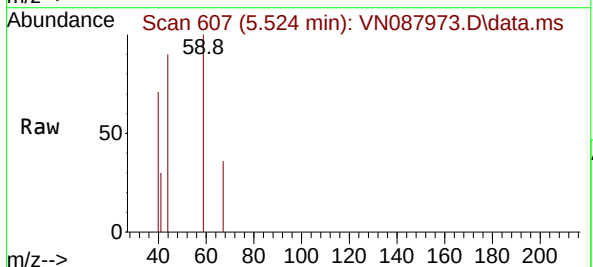
Instrument :
MSVOA_N
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SU-ESM-COMP-01

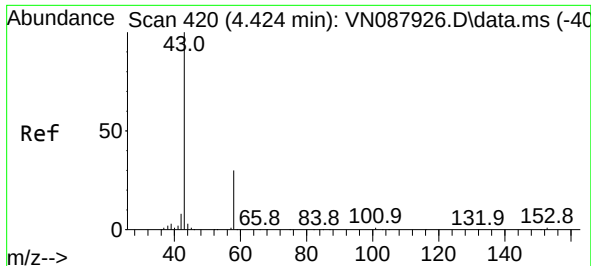
Tgt Ion:168 Resp: 202931
Ion Ratio Lower Upper
168 100
99 61.2 52.2 78.2



#11
Tert butyl alcohol
Concen: 0.945 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34

Tgt Ion: 59 Resp: 465
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

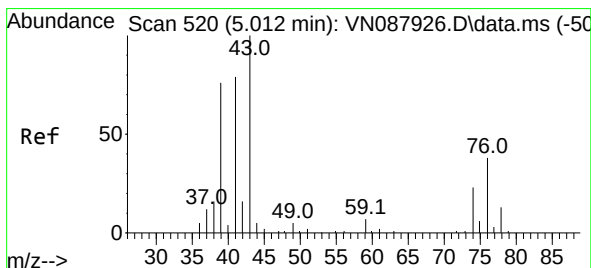
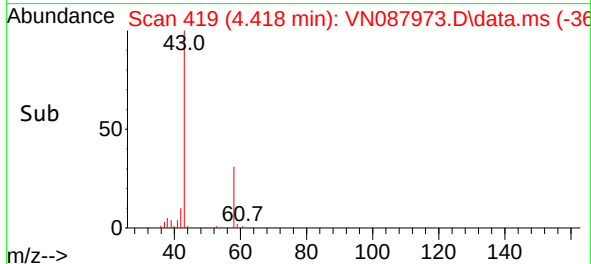
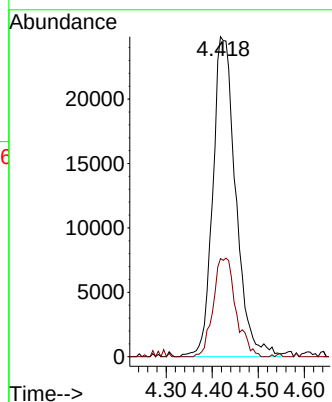
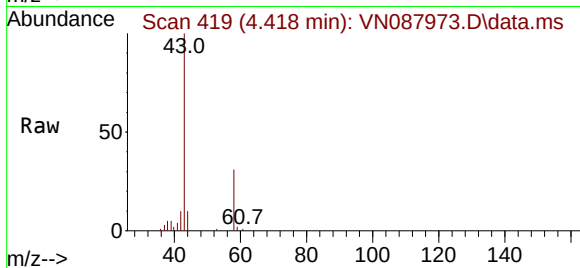




#16
Acetone
Concen: 61.158 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34

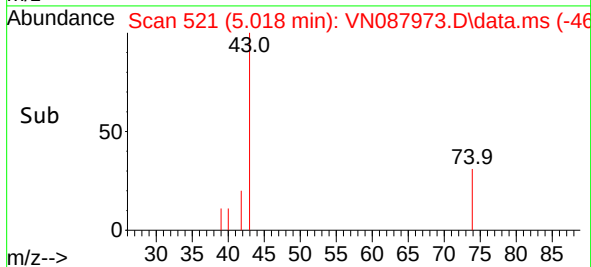
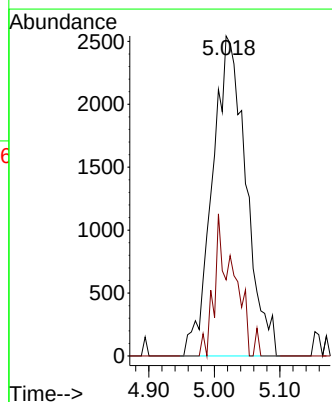
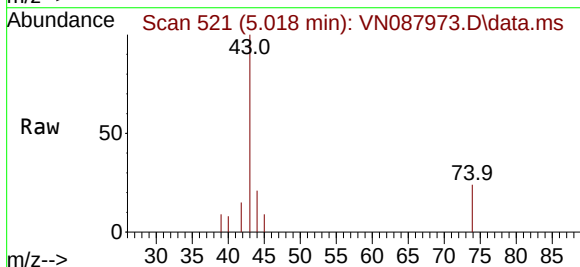
Instrument :
MSVOA_N
ClientSampleId :
SU-ESM-COMP-01

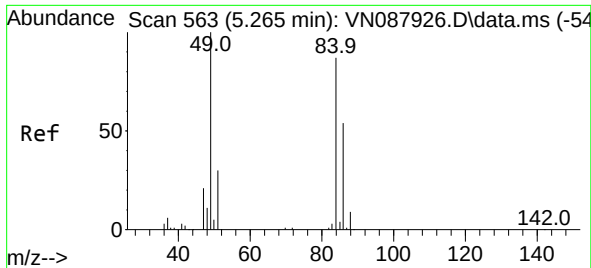
Tgt Ion: 43 Resp: 85936
Ion Ratio Lower Upper
43 100
58 30.6 24.1 36.1



#18
Methyl Acetate
Concen: 2.573 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34

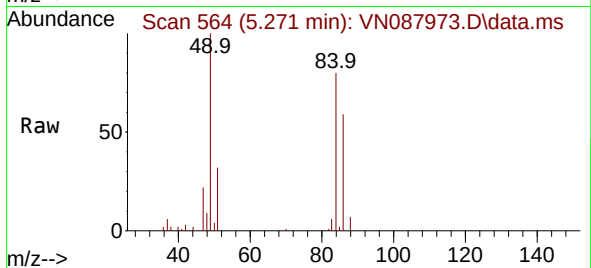
Tgt Ion: 43 Resp: 9047
Ion Ratio Lower Upper
43 100
74 13.3 19.7 29.5#



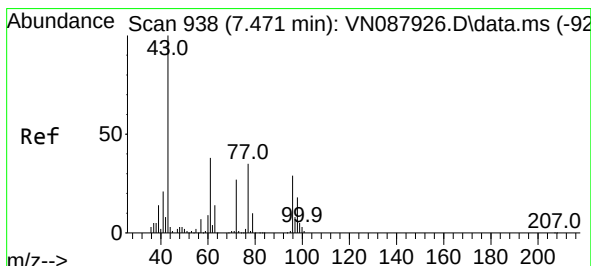
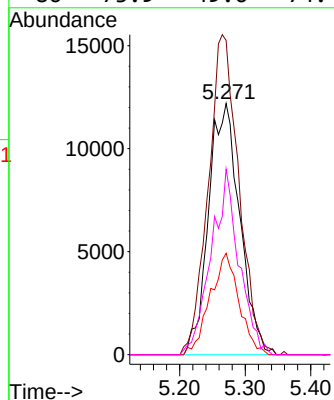
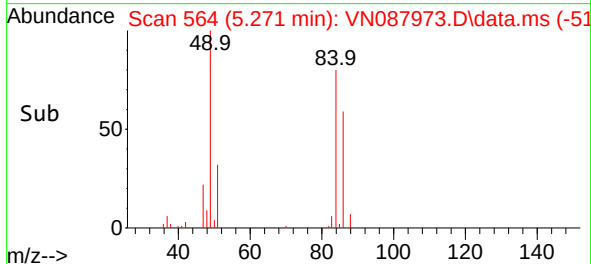


#20
Methylene Chloride
Concen: 14.188 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34

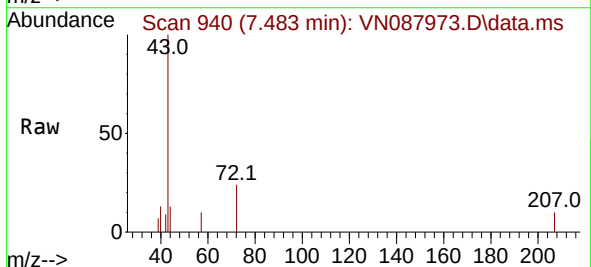
Instrument :
MSVOA_N
ClientSampleId :
SU-ESM-COMP-01



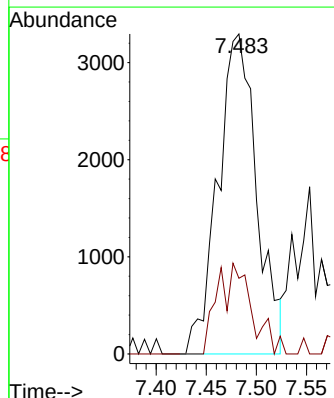
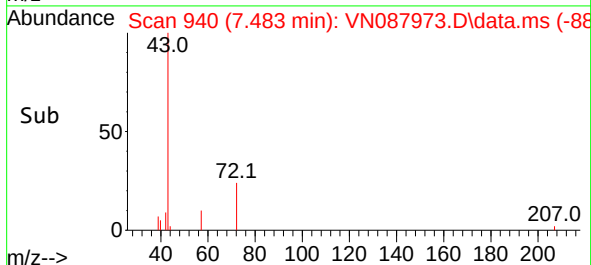
Tgt Ion:	84	Resp:	40353
Ion	Ratio	Lower	Upper
84	100		
49	125.1	92.1	138.1
51	40.4	27.7	41.5
86	73.9	49.6	74.4

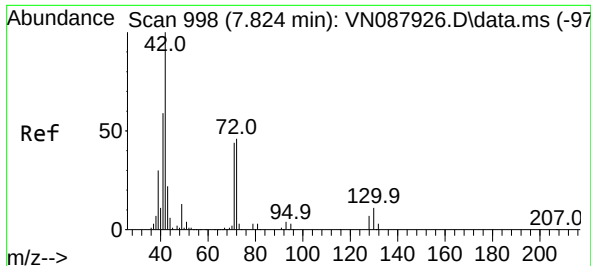


#25
2-Butanone
Concen: 4.130 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34



Tgt Ion:	43	Resp:	8869
Ion	Ratio	Lower	Upper
43	100		
72	23.7	21.5	32.3





#29

Tetrahydrofuran

Concen: 0.837 ug/l

RT: 7.824 min Scan# 998

Delta R.T. -0.000 min

Lab File: VN087973.D

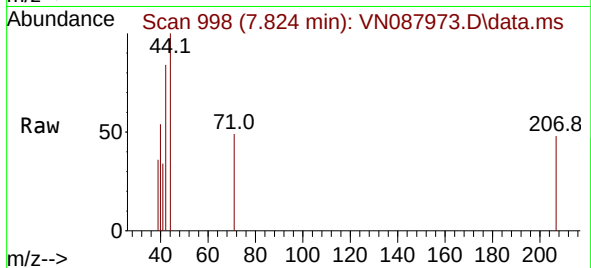
Acq: 26 Sep 2025 17:34

Instrument :

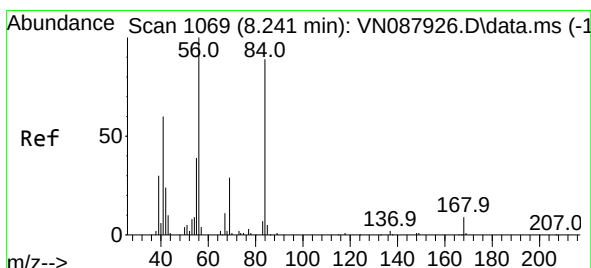
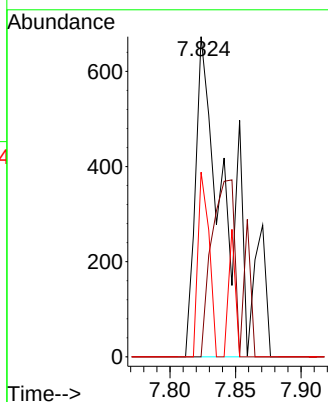
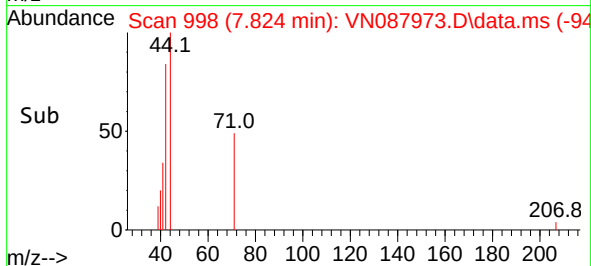
MSVOA_N

ClientSampleId :

SU-ESM-COMP-01



Tgt Ion:	42	Resp:	1151
Ion Ratio	Lower	Upper	
42	100		
72	0.0	36.5	54.7#
71	20.1	33.8	50.8#



#31

Cyclohexane

Concen: 1.617 ug/l

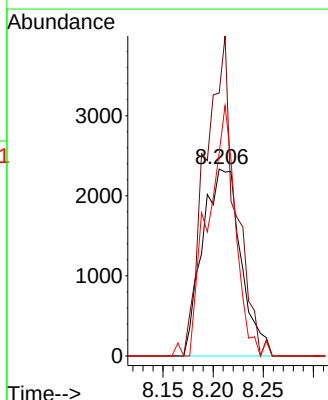
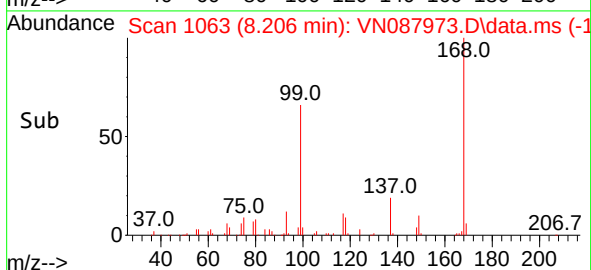
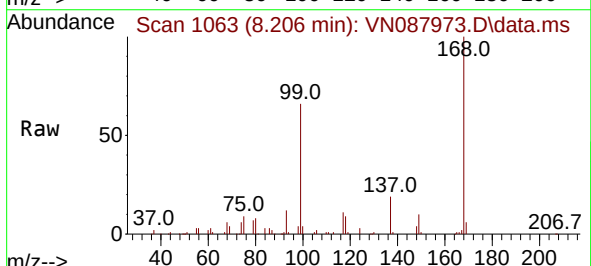
RT: 8.206 min Scan# 1063

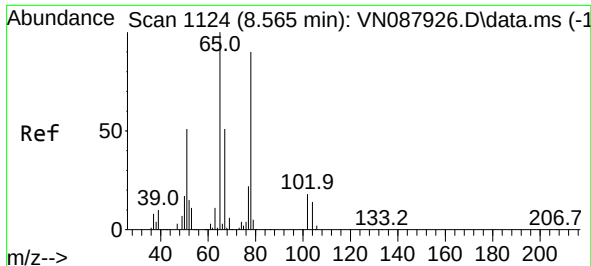
Delta R.T. -0.035 min

Lab File: VN087973.D

Acq: 26 Sep 2025 17:34

Tgt Ion:	56	Resp:	6194
Ion Ratio	Lower	Upper	
56	100		
69	140.7	23.4	35.0#
84	108.6	70.8	106.2#





#33

1,2-Dichloroethane-d4

Concen: 61.433 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087973.D

Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

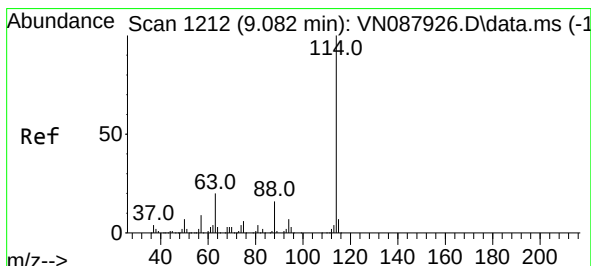
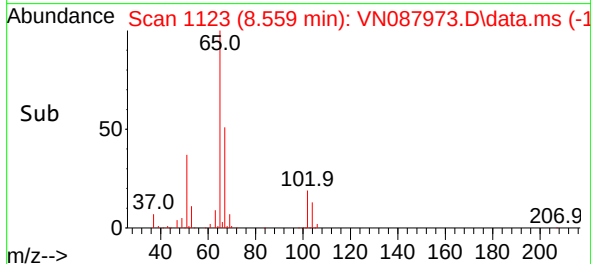
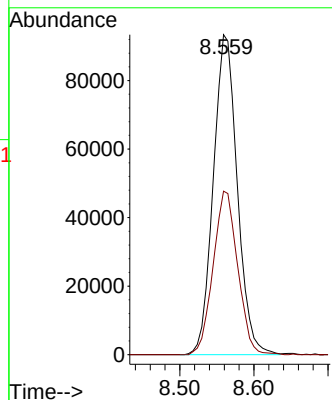
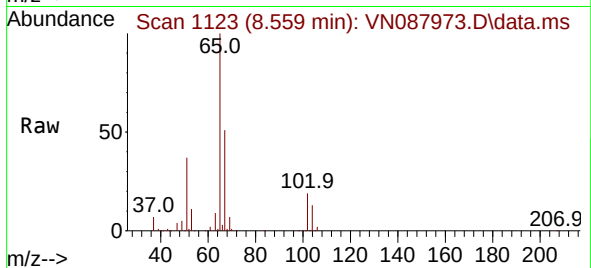
SU-ESM-COMP-01

Tgt Ion: 65 Resp: 209804

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087973.D

Acq: 26 Sep 2025 17:34

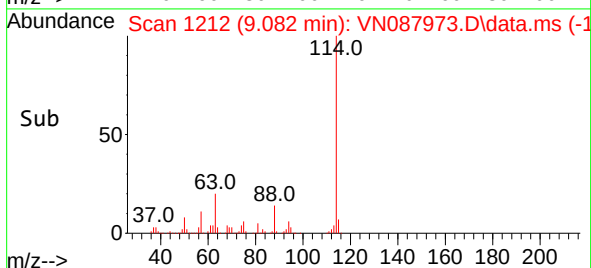
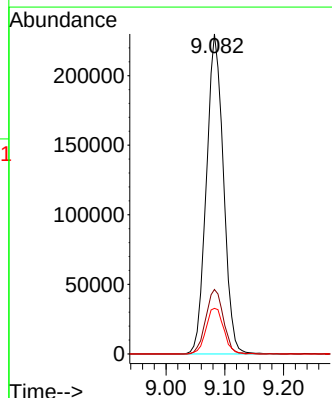
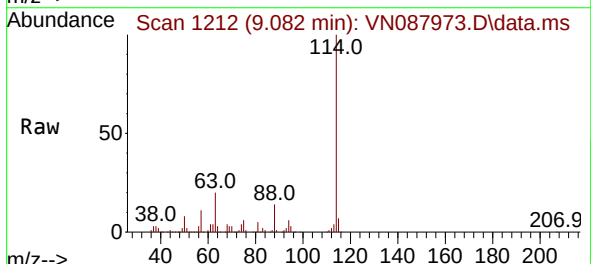
Tgt Ion: 114 Resp: 462742

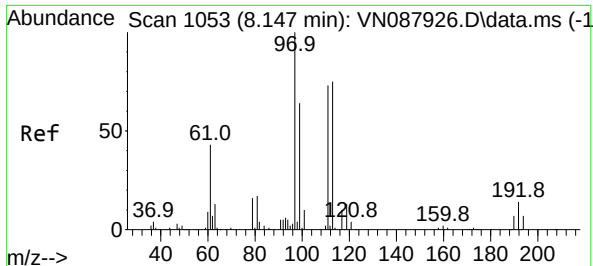
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 14.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.797 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087973.D

Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

SU-ESM-COMP-01

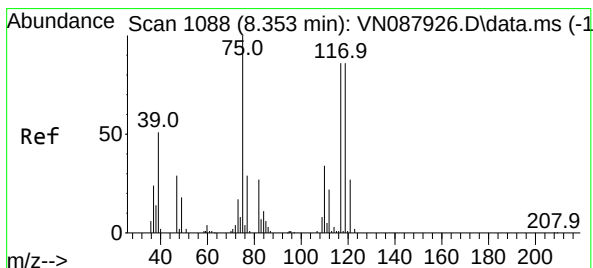
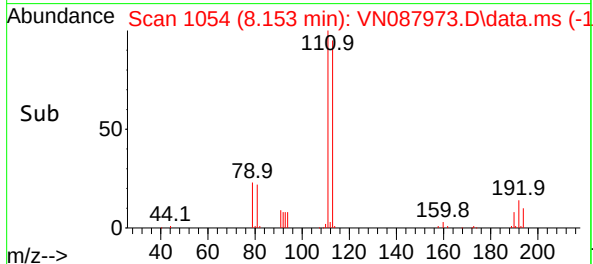
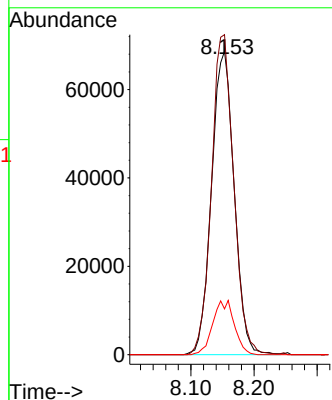
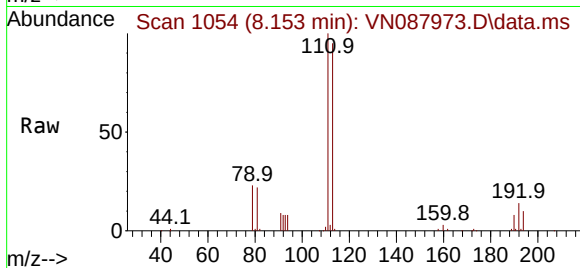
Tgt Ion:113 Resp: 170667

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

192 17.1 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.489 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087973.D

Acq: 26 Sep 2025 17:34

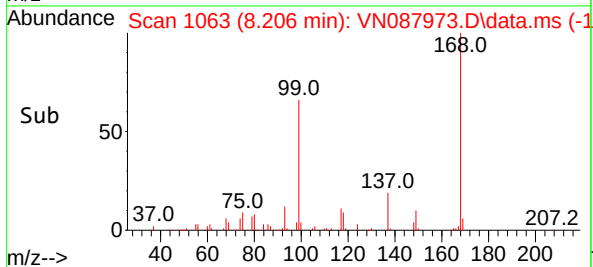
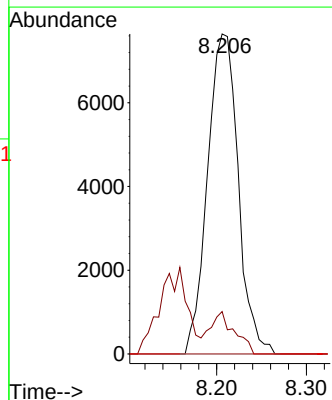
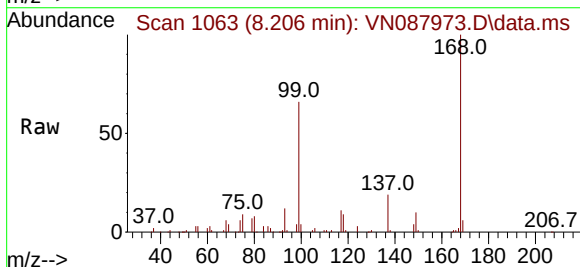
Tgt Ion: 75 Resp: 18135

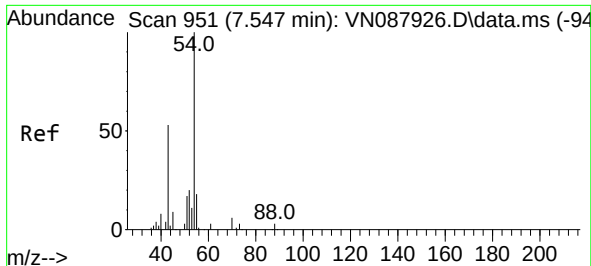
Ion Ratio Lower Upper

75 100

110 10.5 17.1 51.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.660 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087973.D

Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

SU-ESM-COMP-01

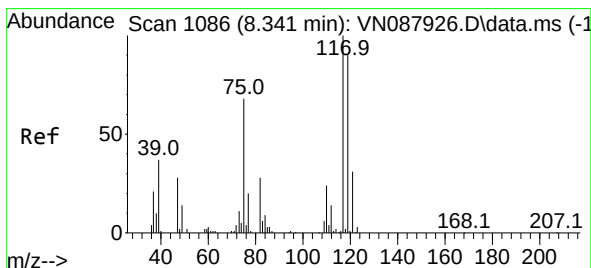
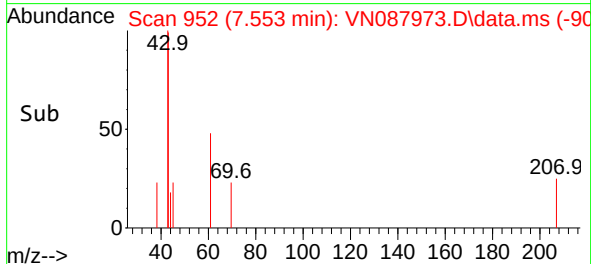
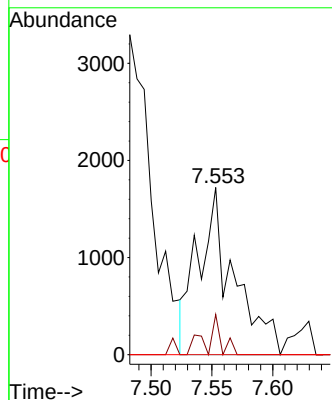
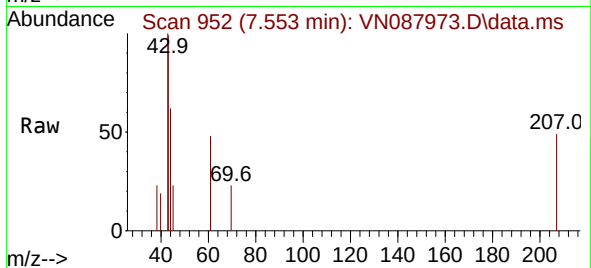
Tgt Ion: 43 Resp: 3503

Ion Ratio Lower Upper

43 100

61 5.9 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 4.885 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.141 min

Lab File: VN087973.D

Acq: 26 Sep 2025 17:34

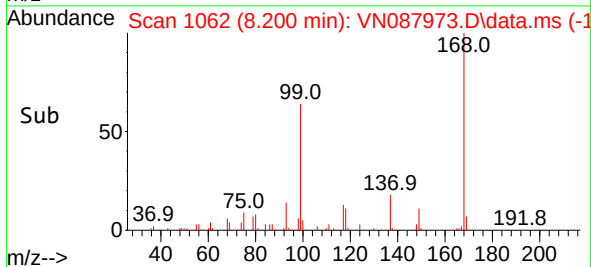
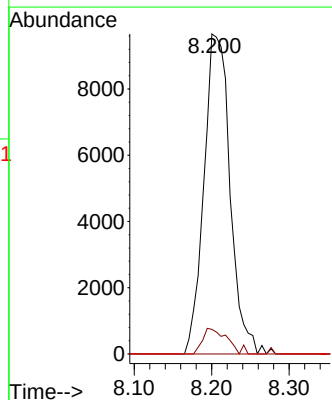
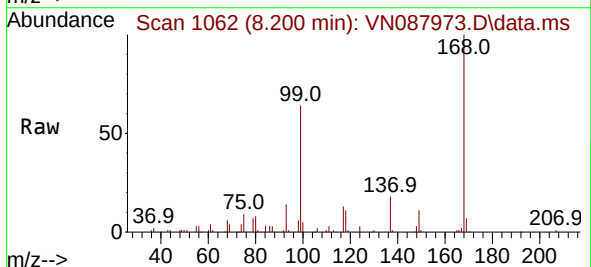
Tgt Ion: 117 Resp: 22648

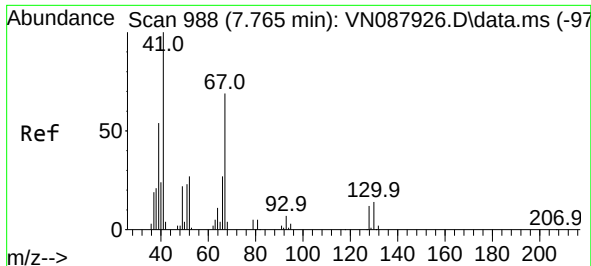
Ion Ratio Lower Upper

117 100

119 7.7 72.1 108.1#

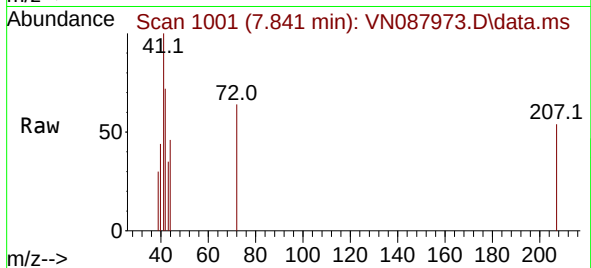
121 0.0 24.6 36.8#



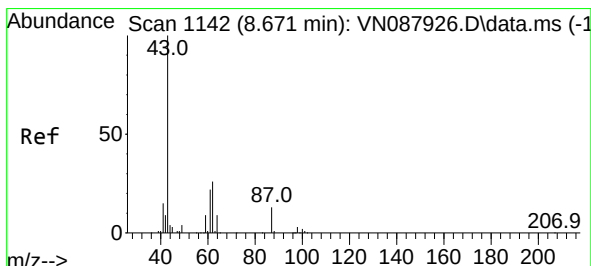
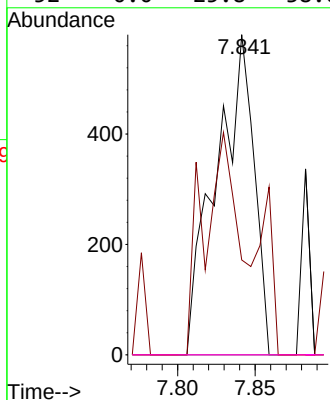
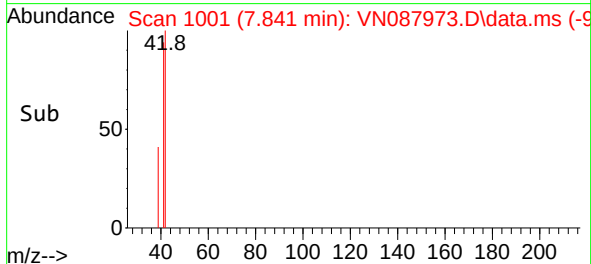


#41
Methacrylonitrile
Concen: 0.359 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.076 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34

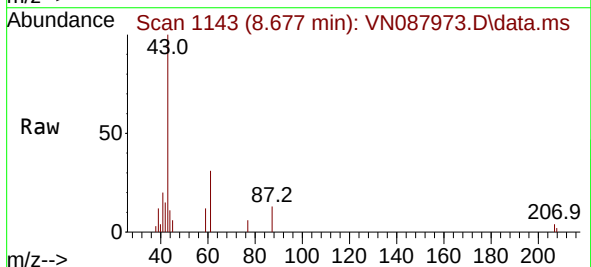
Instrument :
MSVOA_N
ClientSampleId :
SU-ESM-COMP-01



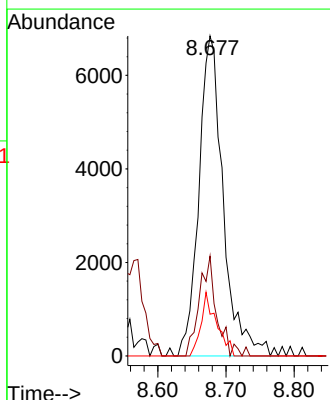
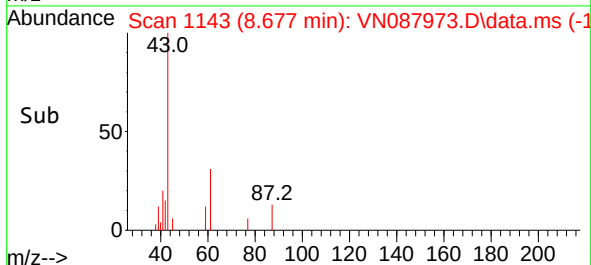
Tgt Ion: 41 Resp: 983
Ion Ratio Lower Upper
41 100
39 65.3 43.5 65.3#
67 0.0 57.6 86.4#
52 0.0 25.8 38.6#

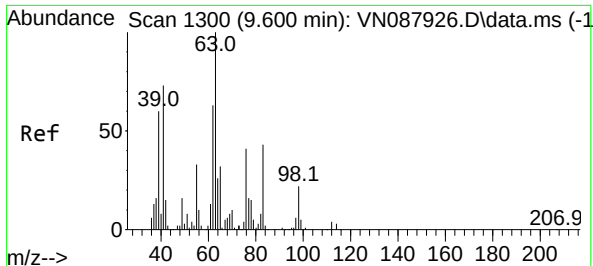


#43
Isopropyl Acetate
Concen: 2.035 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34



Tgt Ion: 43 Resp: 16997
Ion Ratio Lower Upper
43 100
61 22.2 20.2 30.2
87 12.8 10.9 16.3





#45

1,2-Dichloropropane

Concen: 0.288 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.118 min

Lab File: VN087973.D

Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

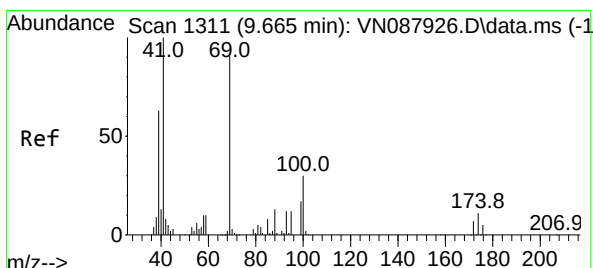
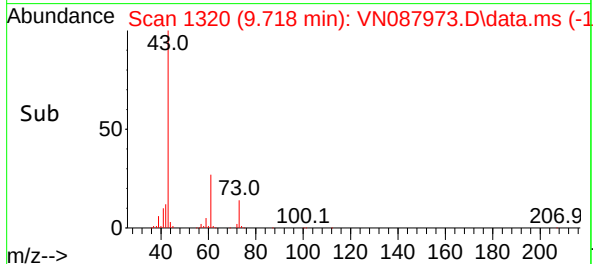
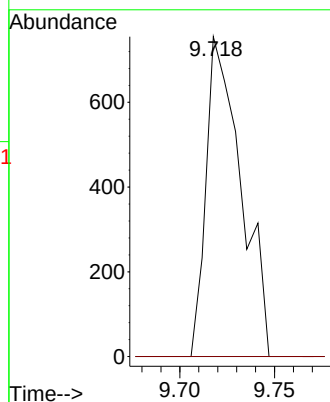
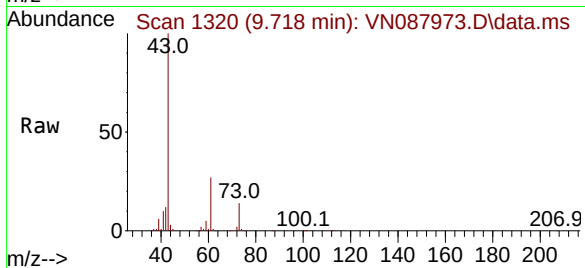
SU-ESM-COMP-01

Tgt Ion: 63 Resp: 966

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#



#48

Methyl methacrylate

Concen: 18.289 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.059 min

Lab File: VN087973.D

Acq: 26 Sep 2025 17:34

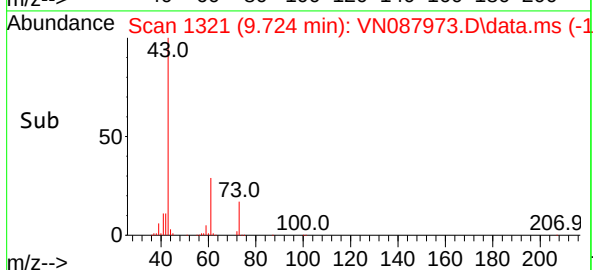
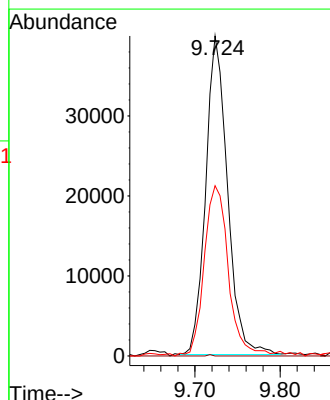
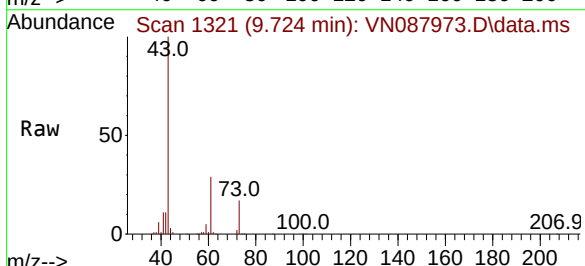
Tgt Ion: 41 Resp: 70724

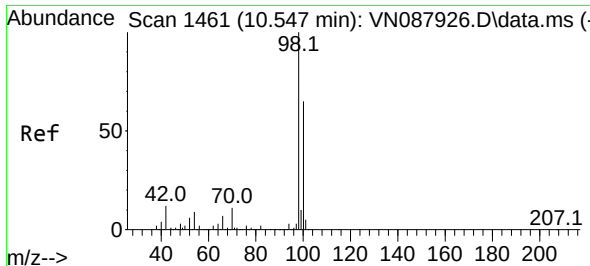
Ion Ratio Lower Upper

41 100

69 0.1 70.9 106.3#

39 59.3 52.9 79.3

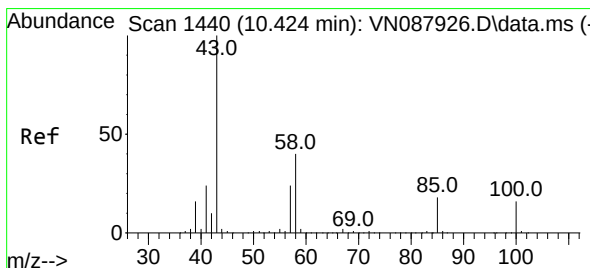
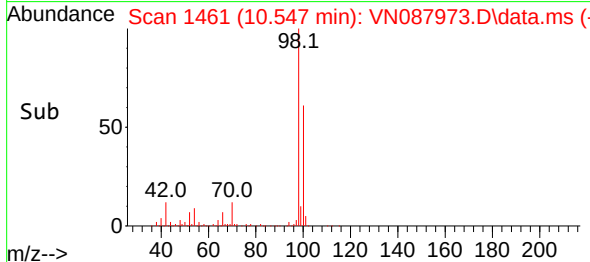
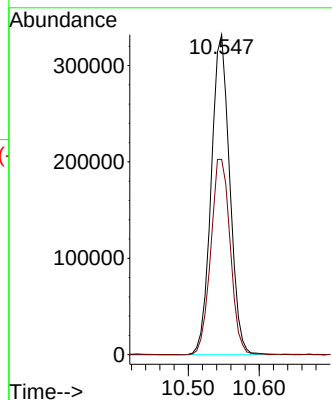
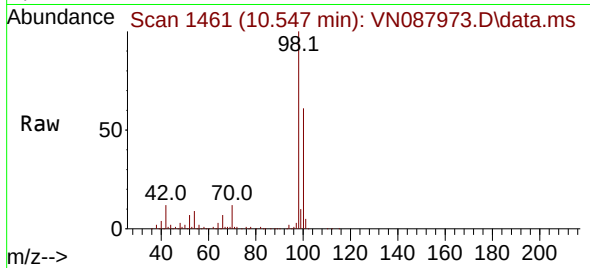




#50
Toluene-d8
Concen: 50.840 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34

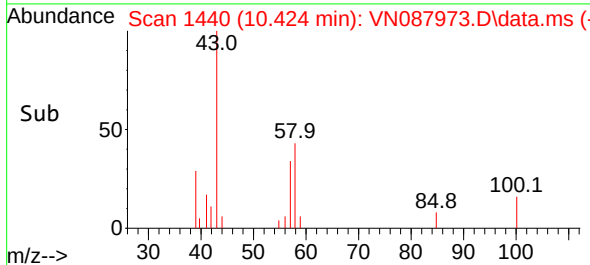
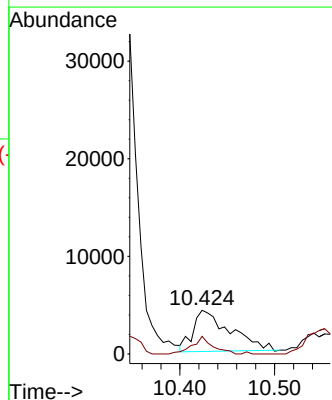
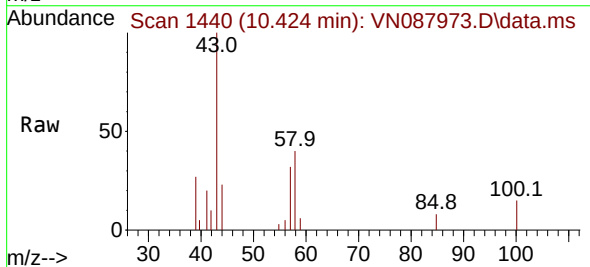
Instrument :
MSVOA_N
ClientSampleId :
SU-ESM-COMP-01

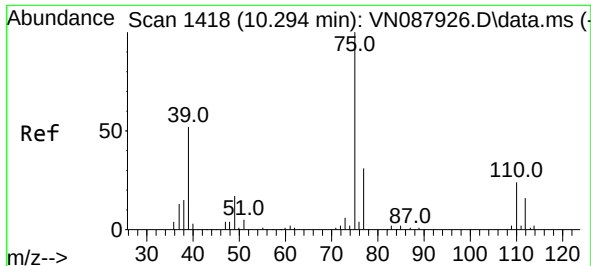
Tgt Ion: 98 Resp: 600672
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 2.197 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34

Tgt Ion: 43 Resp: 11448
Ion Ratio Lower Upper
43 100
58 23.3 31.0 46.6#

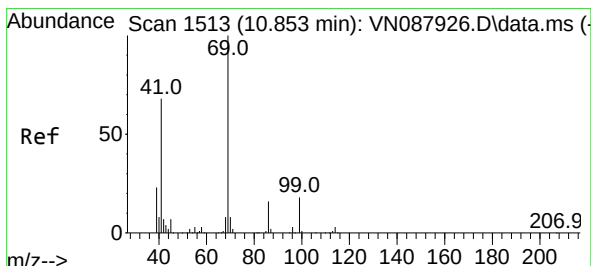
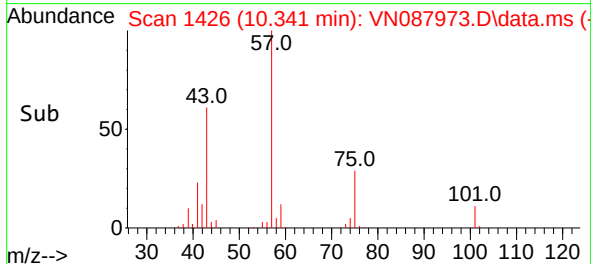
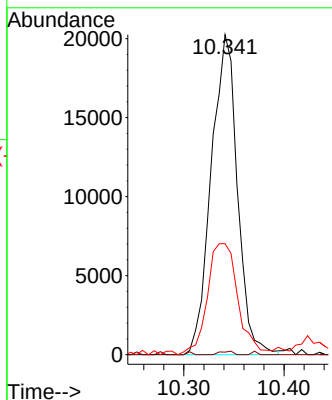
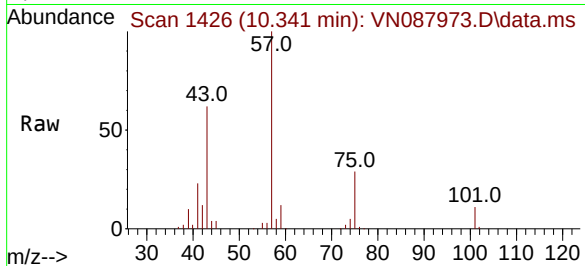




#54
 cis-1,3-Dichloropropene
 Concen: 6.665 ug/l
 RT: 10.341 min Scan# 1418
 Delta R.T. 0.047 min
 Lab File: VN087973.D
 Acq: 26 Sep 2025 17:34

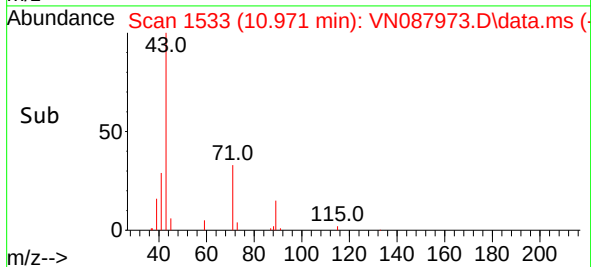
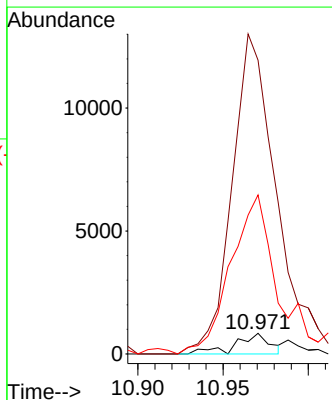
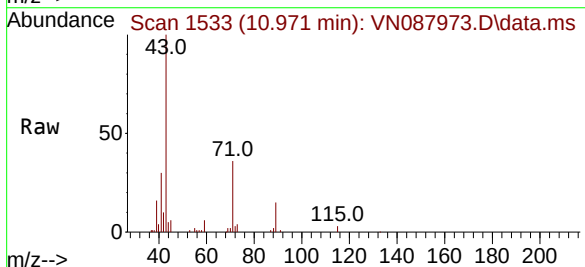
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-ESM-COMP-01

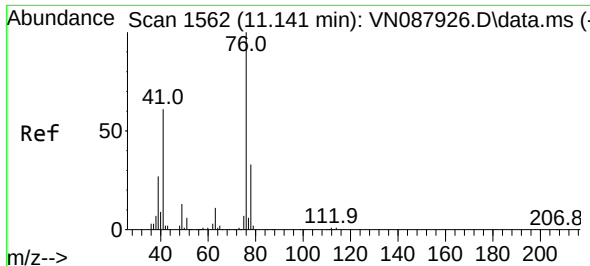
Tgt Ion: 75 Resp: 36777
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.7 37.1#
 39 34.7 41.4 62.0#



#56
 Ethyl methacrylate
 Concen: 0.239 ug/l
 RT: 10.971 min Scan# 1533
 Delta R.T. 0.118 min
 Lab File: VN087973.D
 Acq: 26 Sep 2025 17:34

Tgt Ion: 69 Resp: 1177
 Ion Ratio Lower Upper
 69 100
 41 2016.1 53.8 80.6#
 39 1096.5 34.7 52.1#





#57

1,3-Dichloropropane

Concen: 0.359 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. 0.035 min

Lab File: VN087973.D

Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

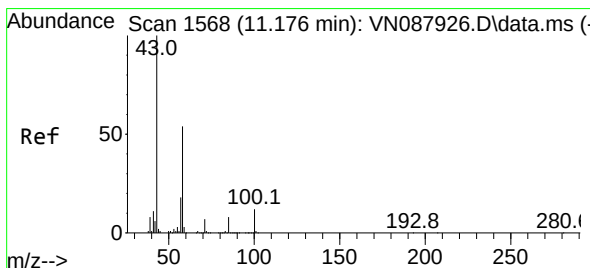
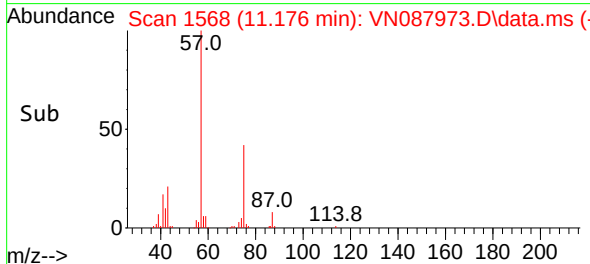
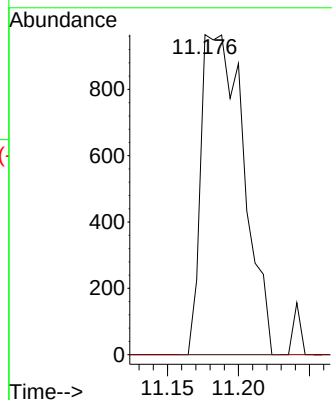
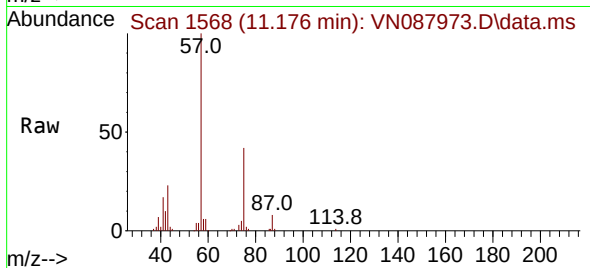
SU-ESM-COMP-01

Tgt Ion: 76 Resp: 2014

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 9.124 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.012 min

Lab File: VN087973.D

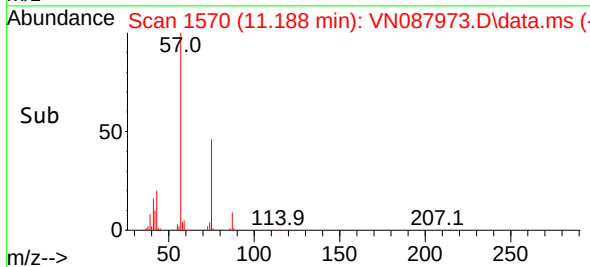
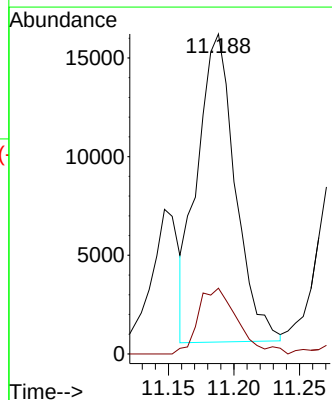
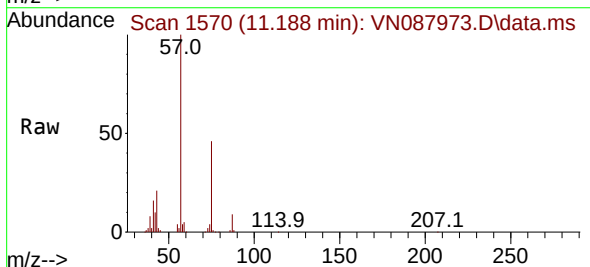
Acq: 26 Sep 2025 17:34

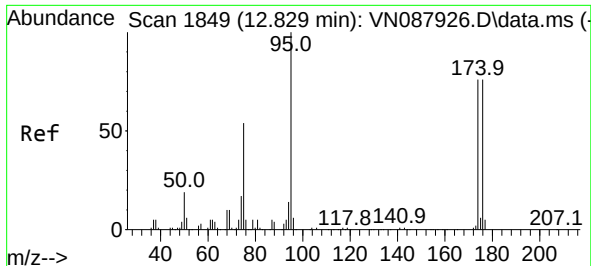
Tgt Ion: 43 Resp: 31437

Ion Ratio Lower Upper

43 100

58 22.1 26.4 79.2#

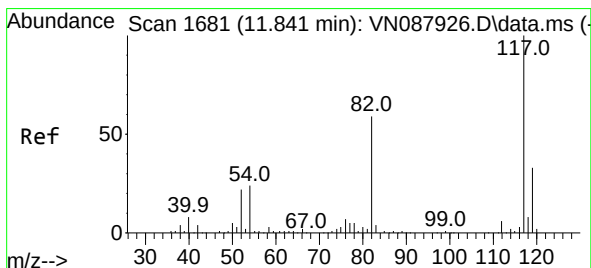
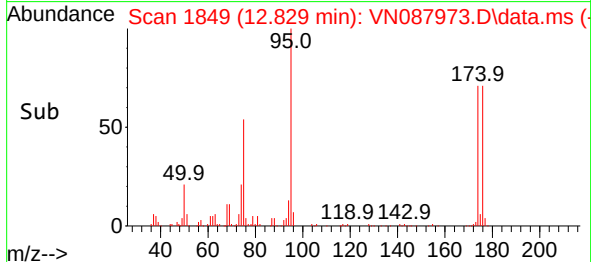
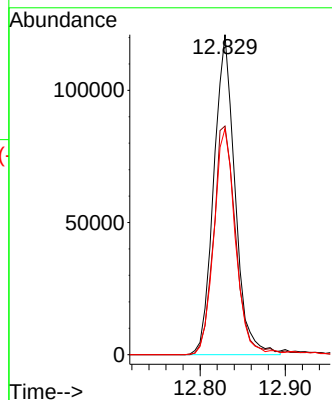
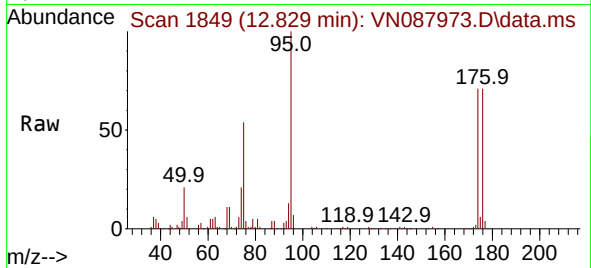




#62
4-Bromofluorobenzene
Concen: 49.541 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34

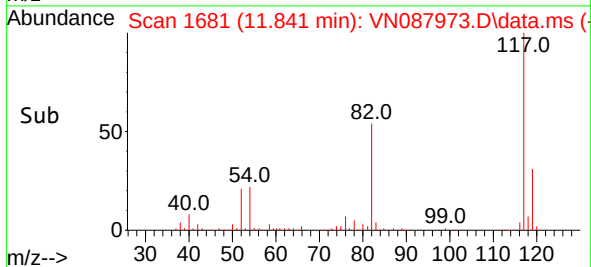
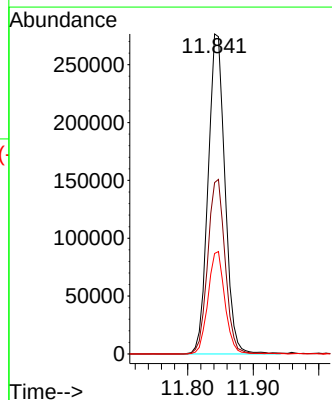
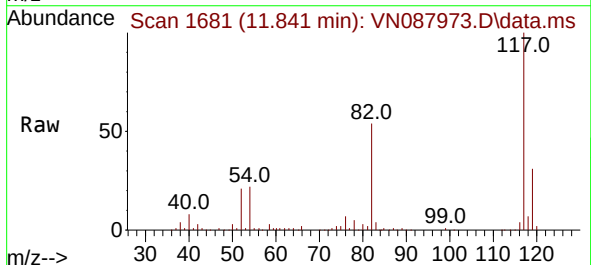
Instrument :
MSVOA_N
ClientSampleId :
SU-ESM-COMP-01

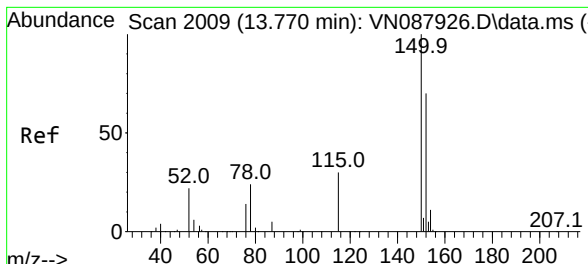
Tgt Ion: 95 Resp: 209221
Ion Ratio Lower Upper
95 100
174 75.4 0.0 159.2
176 71.8 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087973.D
Acq: 26 Sep 2025 17:34

Tgt Ion: 117 Resp: 496499
Ion Ratio Lower Upper
117 100
82 53.6 47.0 70.4
119 31.4 26.1 39.1

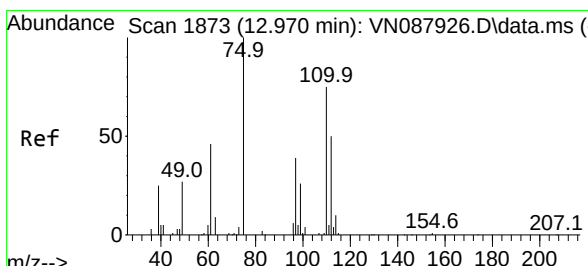
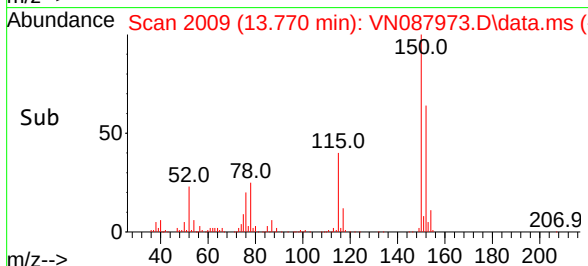
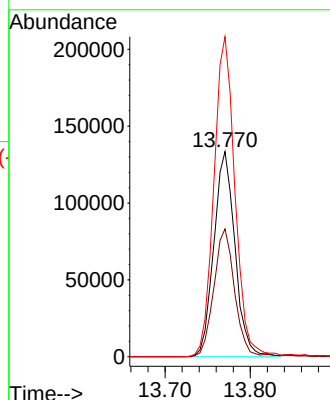
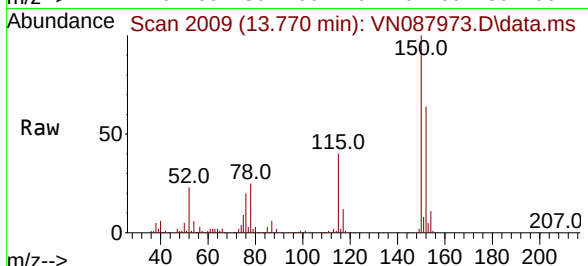




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. -0.000 min
 Lab File: VN087973.D
 Acq: 26 Sep 2025 17:34

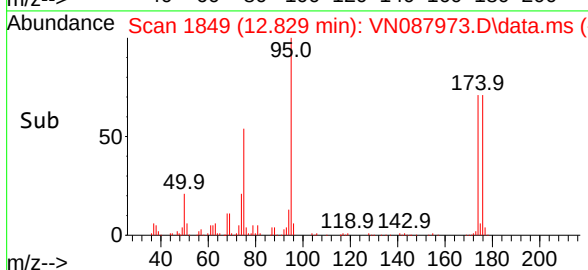
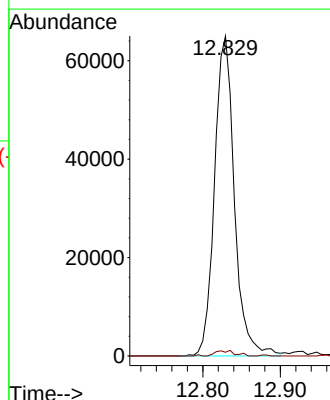
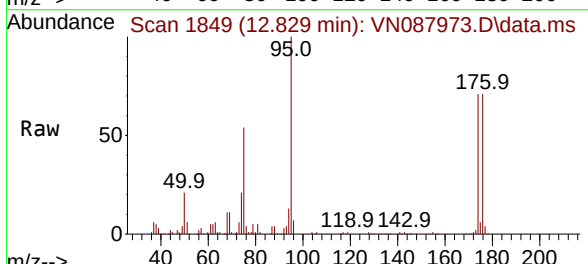
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-ESM-COMP-01

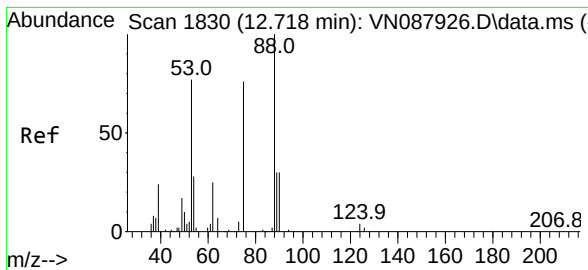
Tgt Ion:152 Resp: 230326
 Ion Ratio Lower Upper
 152 100
 115 61.2 29.9 89.7
 150 155.3 0.0 335.0



#76
 1,2,3-Trichloropropane
 Concen: 25.484 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087973.D
 Acq: 26 Sep 2025 17:34

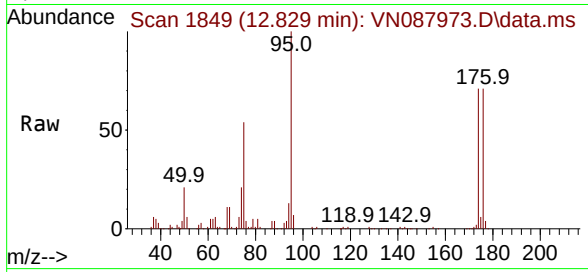
Tgt Ion: 75 Resp: 115705
 Ion Ratio Lower Upper
 75 100
 77 1.6 89.5 268.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.766 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087973.D
 Acq: 26 Sep 2025 17:34

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



Tgt Ion: 75 Resp: 115705
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.0 123.0#
 89 0.1 36.1 54.1#

