

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085819.D
 Acq On : 21 Feb 2025 21:50
 Operator : JC\MD
 Sample : Q1397-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP8

Quant Time: Feb 22 02:43:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

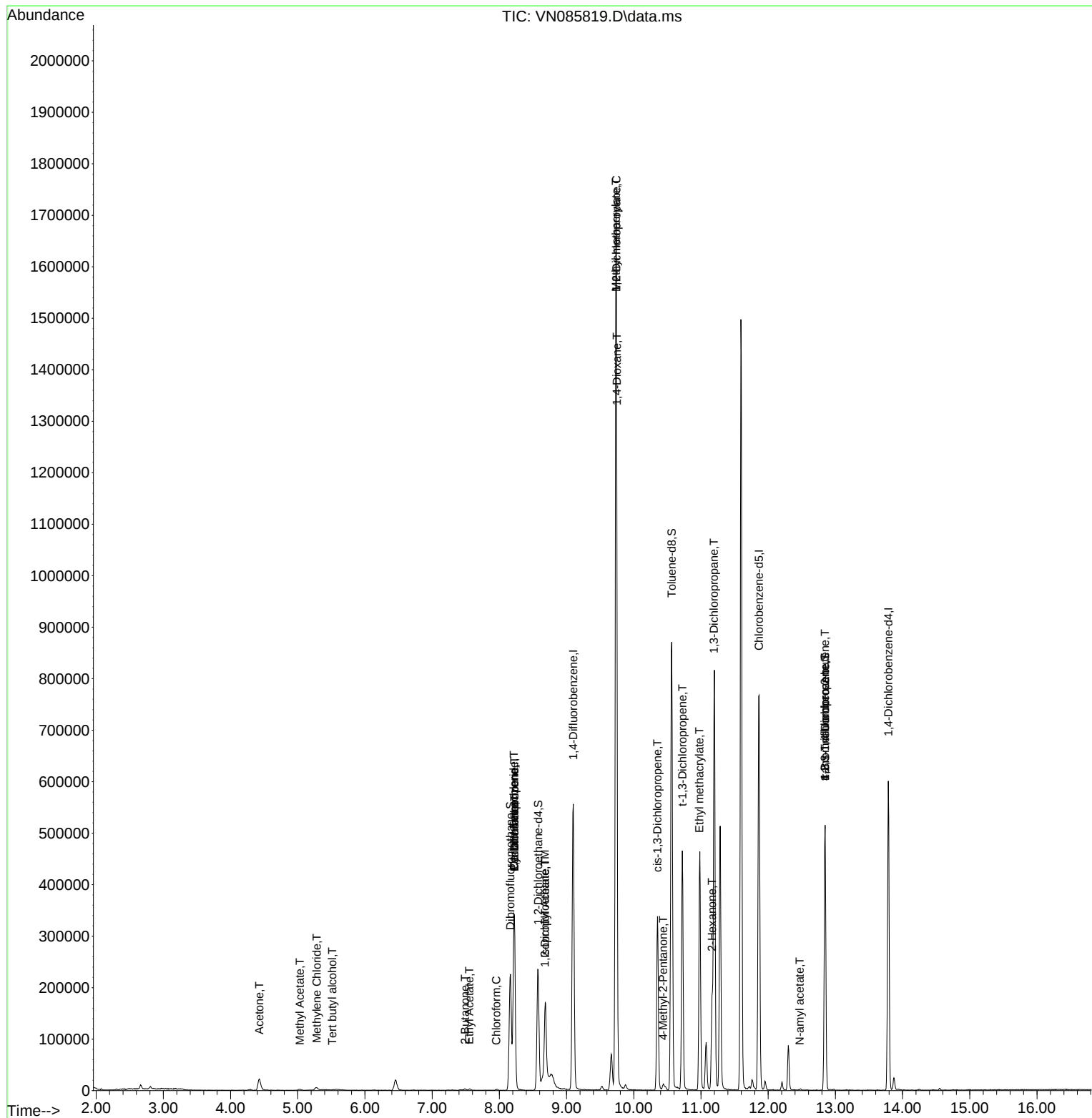
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	245873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	488846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	463054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	164566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	194272	60.945	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.900%	
35) Dibromofluoromethane	8.165	113	166064	51.915	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.820%	
50) Toluene-d8	10.565	98	631804	54.287	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.580%	
62) 4-Bromofluorobenzene	12.847	95	183039	47.735	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.460%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	207	0.528	ug/l #	72
16) Acetone	4.430	43	41830	41.472	ug/l	96
18) Methyl Acetate	5.030	43	4025	1.160	ug/l #	88
20) Methylene Chloride	5.283	84	4513	1.391	ug/l #	68
25) 2-Butanone	7.488	43	4763	3.210	ug/l	99
30) Chloroform	7.953	83	2049	0.361	ug/l	99
31) Cyclohexane	8.224	56	5917	1.300	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	21175	4.677	ug/l #	48
37) Ethyl Acetate	7.553	43	4331	1.163	ug/l #	80
38) Carbon Tetrachloride	8.218	117	26396	4.907	ug/l #	19
42) 1,2-Dichloroethane	8.676	62	1398	0.296	ug/l #	73
43) Isopropyl Acetate	8.682	43	210792	32.043	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	2386	0.681	ug/l #	43
48) Methyl methacrylate	9.735	41	150319	54.329	ug/l #	37
49) 1,4-Dioxane	9.747	88	88	1.673	ug/l #	1
51) 4-Methyl-2-Pentanone	10.435	43	6589	1.834	ug/l	91
53) t-1,3-Dichloropropene	10.723	75	1224	0.250	ug/l #	72
54) cis-1,3-Dichloropropene	10.353	75	60468	11.283	ug/l #	67
56) Ethyl methacrylate	10.976	69	2995	1.147	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	9234	1.636	ug/l #	42
59) 2-Hexanone	11.165	43	133324	53.954	ug/l #	21
74) N-amyl acetate	12.470	43	1810	0.455	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	89717	24.543	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	89717	71.609	ug/l #	13

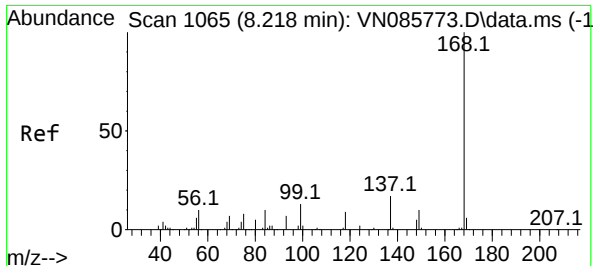
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN085819.D
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Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

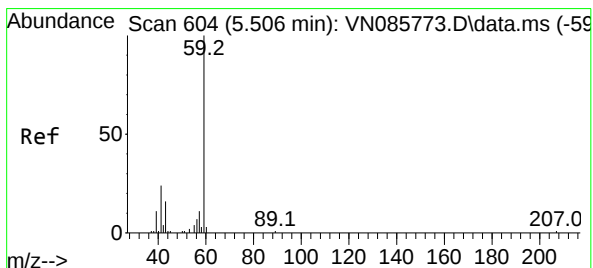
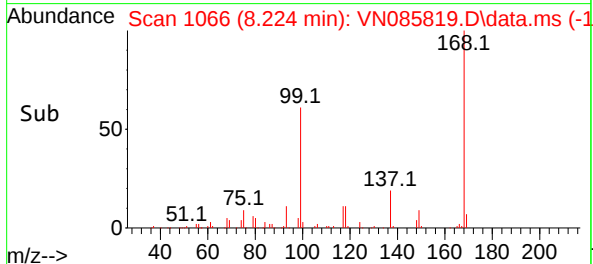
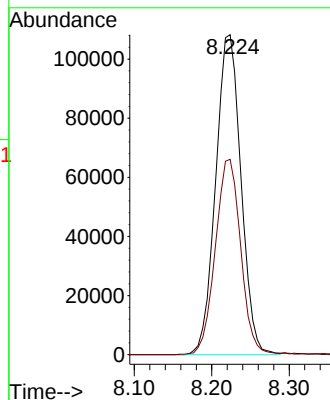
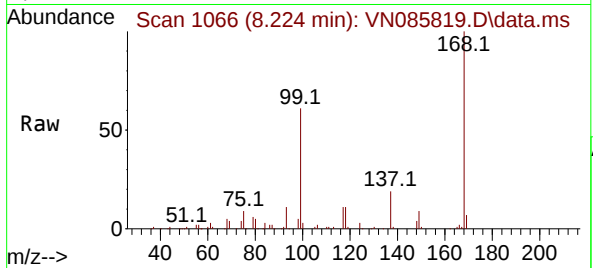




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

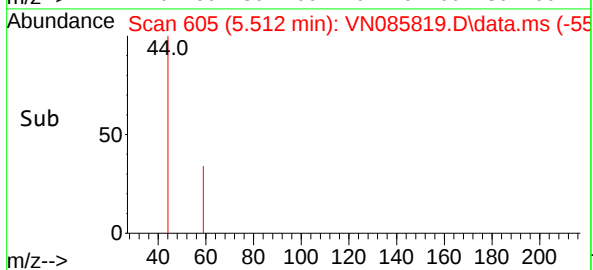
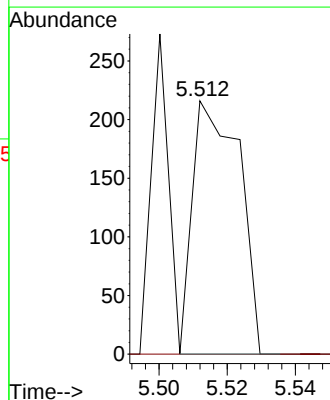
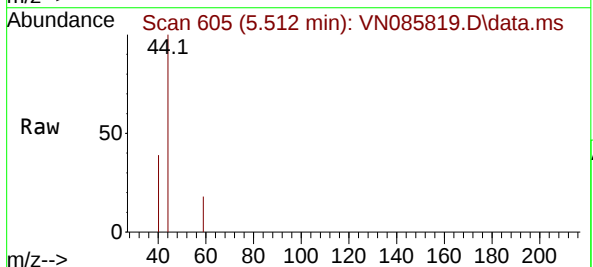
Instrument :
MSVOA_N
ClientSampleId :
TP8

Tgt Ion:168 Resp: 245873
Ion Ratio Lower Upper
168 100
99 60.9 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.528 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 59 Resp: 207
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

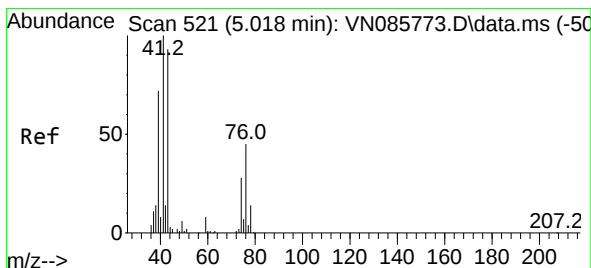
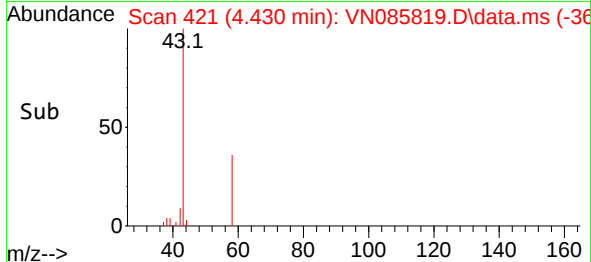
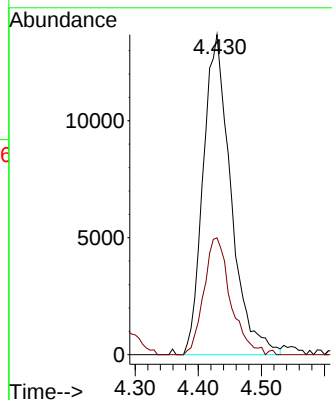
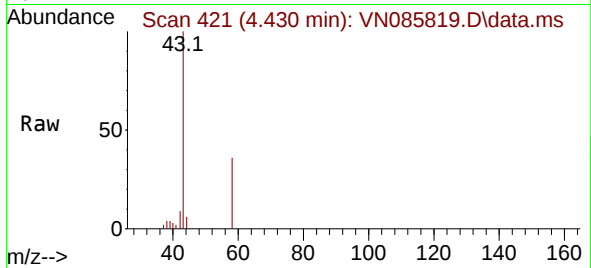




#16
Acetone
Concen: 41.472 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

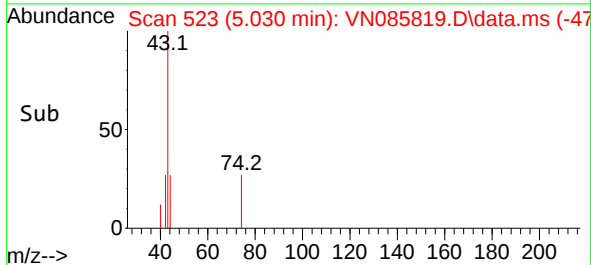
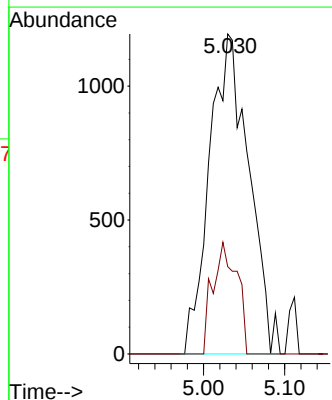
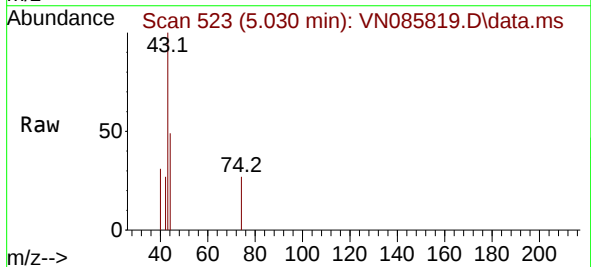
Instrument :
MSVOA_N
ClientSampleId :
TP8

Tgt Ion: 43 Resp: 41830
Ion Ratio Lower Upper
43 100
58 36.5 27.5 41.3



#18
Methyl Acetate
Concen: 1.160 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 43 Resp: 4025
Ion Ratio Lower Upper
43 100
74 21.4 22.2 33.4#



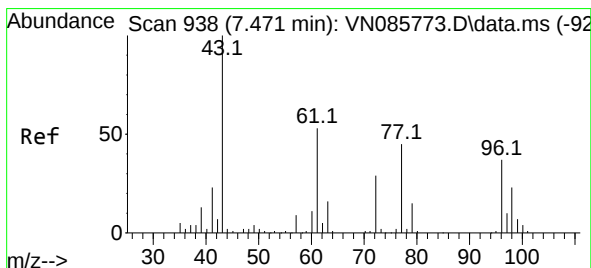
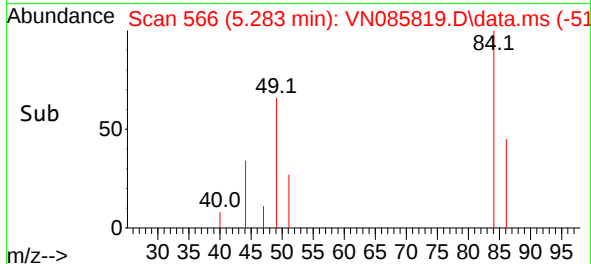
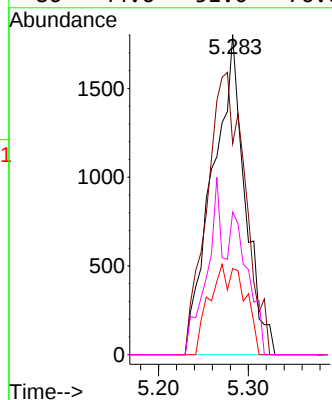
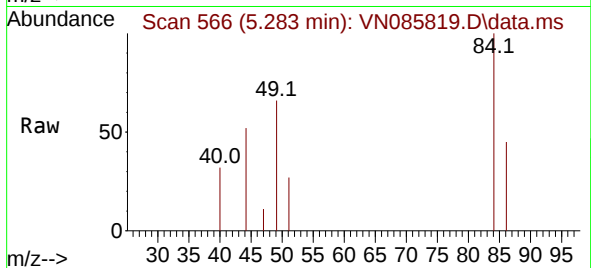


#20
Methylene Chloride
Concen: 1.391 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Instrument :
MSVOA_N
ClientSampleId :
TP8

Tgt Ion: 84 Resp: 4513

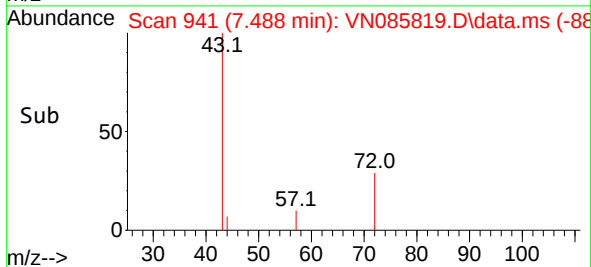
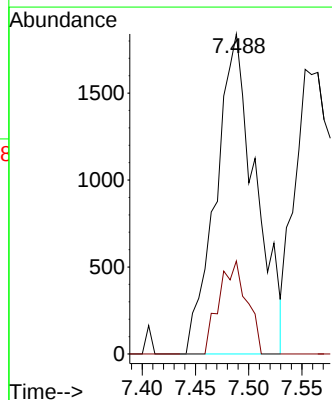
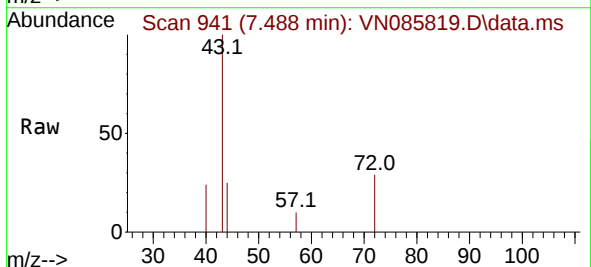
Ion	Ratio	Lower	Upper
84	100		
49	65.9	88.4	132.6#
51	26.9	26.6	40.0
86	44.6	51.0	76.6#

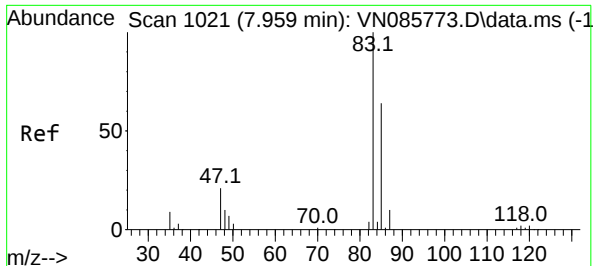


#25
2-Butanone
Concen: 3.210 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.017 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 43 Resp: 4763

Ion	Ratio	Lower	Upper
43	100		
72	29.1	23.6	35.4





#30

Chloroform

Concen: 0.361 ug/l

RT: 7.953 min Scan# 1066

Delta R.T. -0.006 min

Lab File: VN085819.D

Acq: 21 Feb 2025 21:50

Instrument :

MSVOA_N

ClientSampleId :

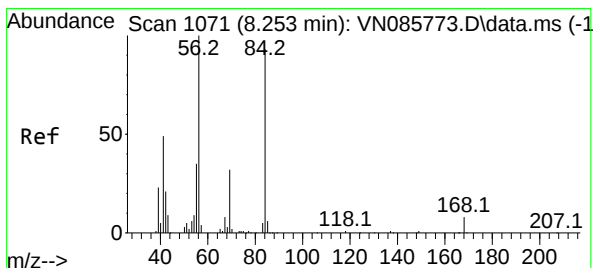
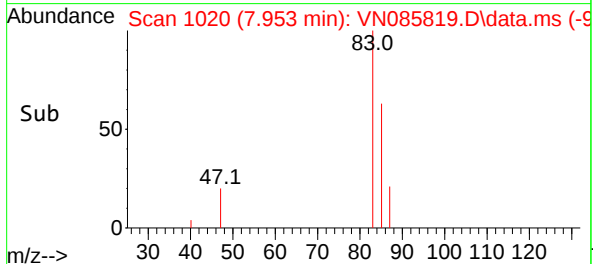
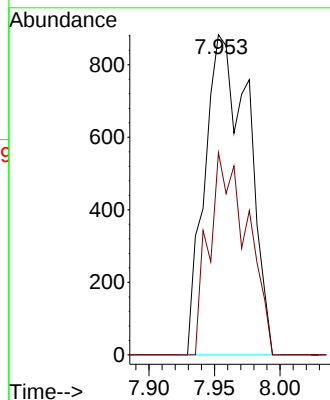
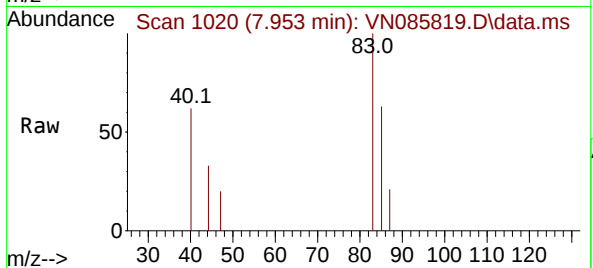
TP8

Tgt Ion: 83 Resp: 2049

Ion Ratio Lower Upper

83 100

85 63.2 50.9 76.3



#31

Cyclohexane

Concen: 1.300 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN085819.D

Acq: 21 Feb 2025 21:50

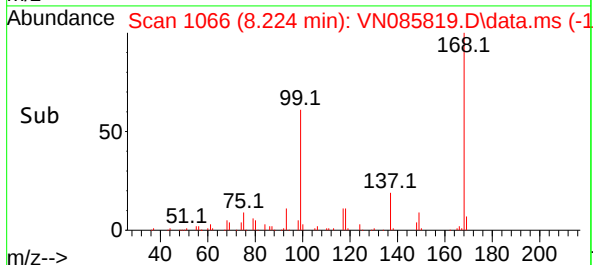
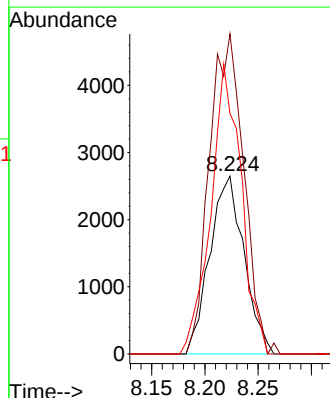
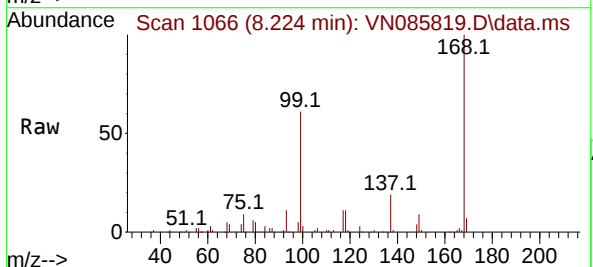
Tgt Ion: 56 Resp: 5917

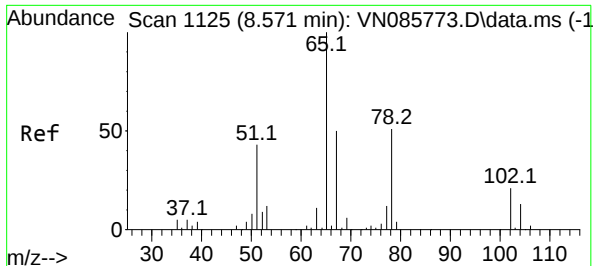
Ion Ratio Lower Upper

56 100

69 180.1 25.8 38.6#

84 135.3 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 60.945 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085819.D

Acq: 21 Feb 2025 21:50

Instrument :

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ClientSampleId :

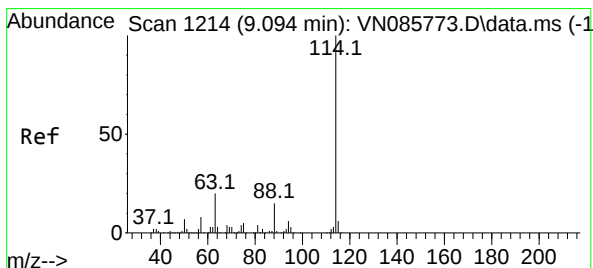
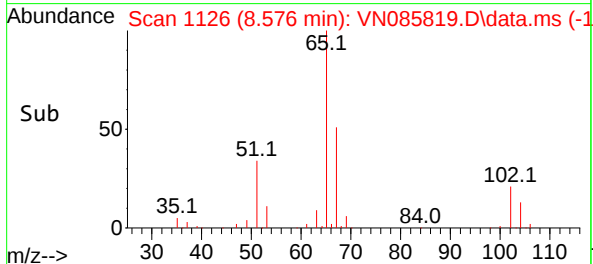
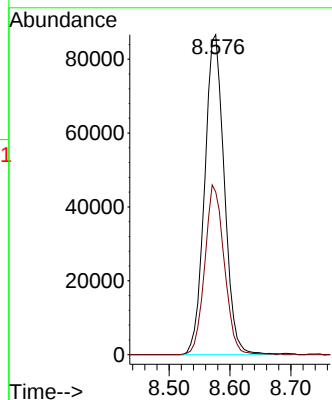
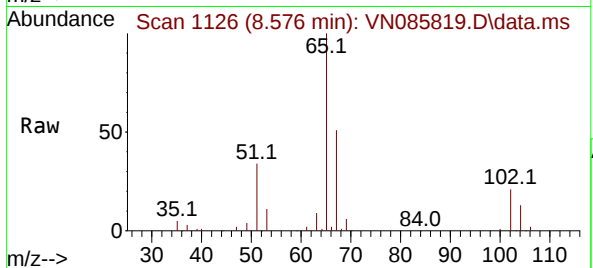
TP8

Tgt Ion: 65 Resp: 194272

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085819.D

Acq: 21 Feb 2025 21:50

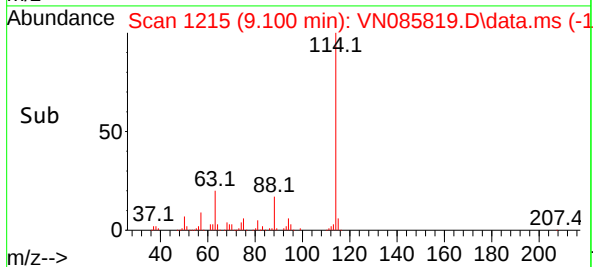
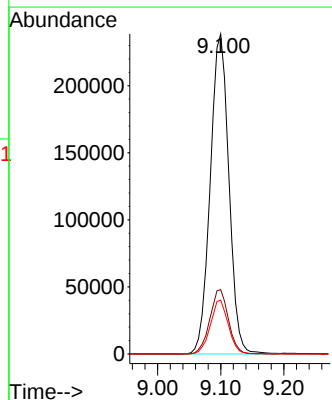
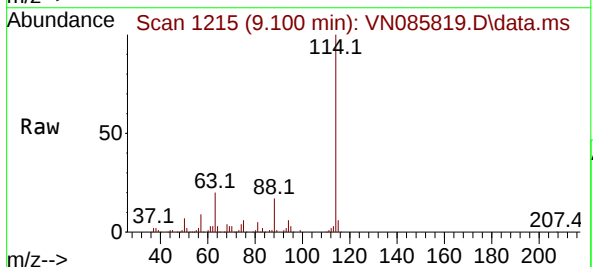
Tgt Ion: 114 Resp: 488846

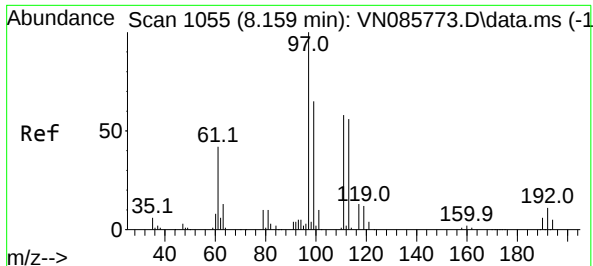
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

88 16.8 0.0 30.0

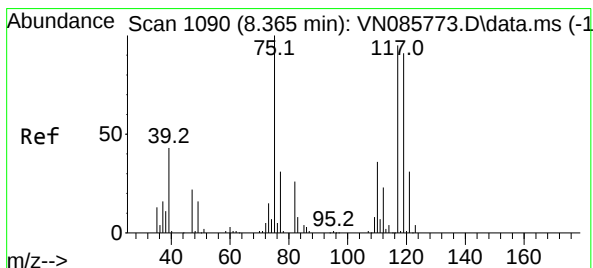
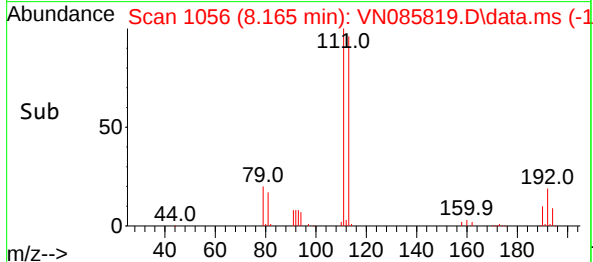
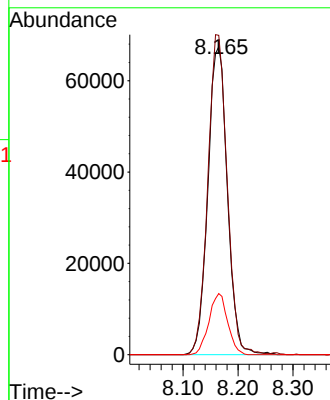
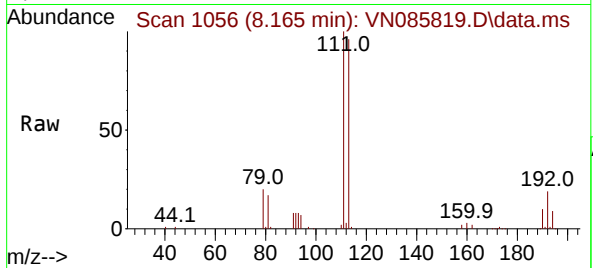




#35
Dibromofluoromethane
Concen: 51.915 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

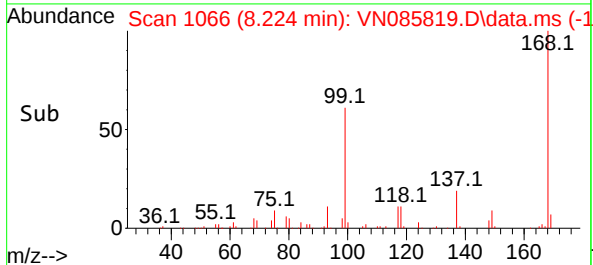
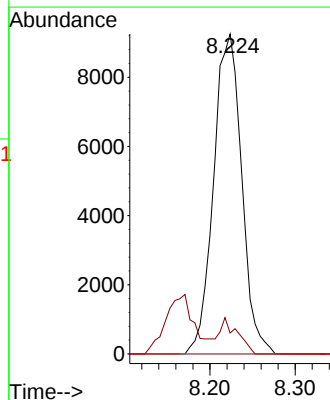
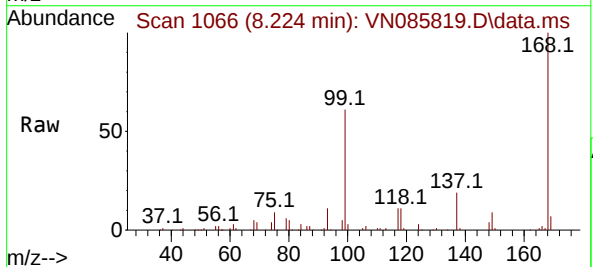
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TP8

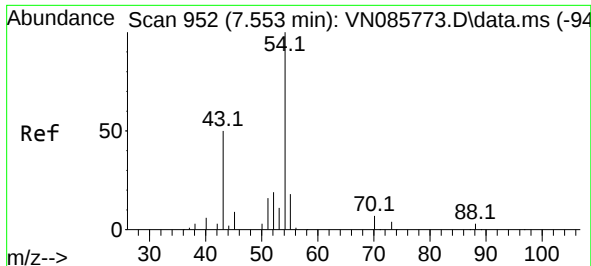
Tgt Ion:113 Resp: 166064
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 19.1 14.7 22.1



#36
1,1-Dichloropropene
Concen: 4.677 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 75 Resp: 21175
Ion Ratio Lower Upper
75 100
110 6.9 17.3 52.0#
77 0.0 24.6 37.0#

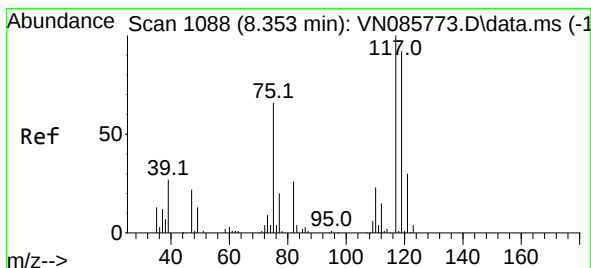
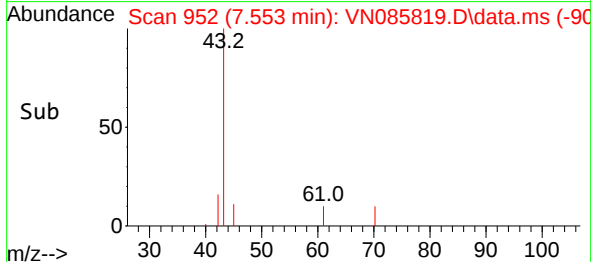
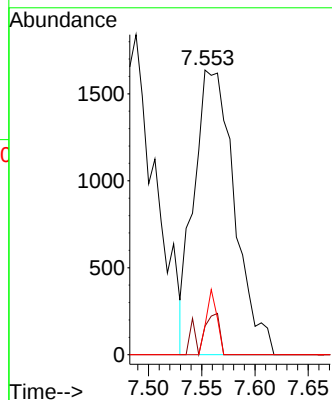
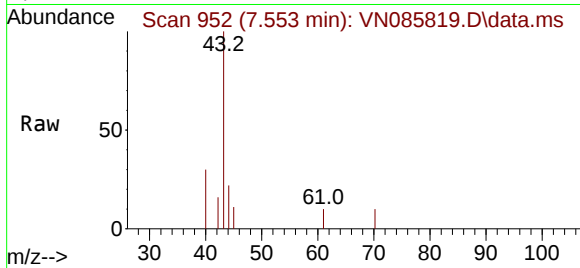




#37
Ethyl Acetate
Concen: 1.163 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

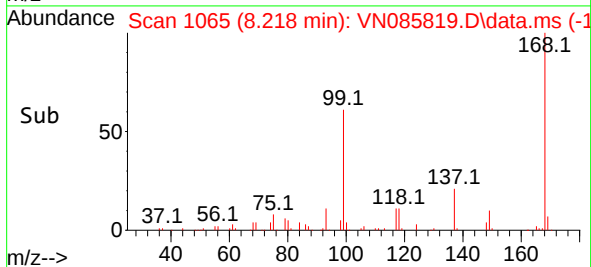
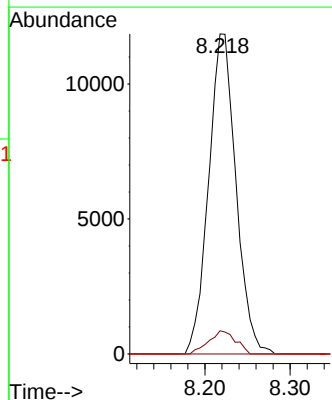
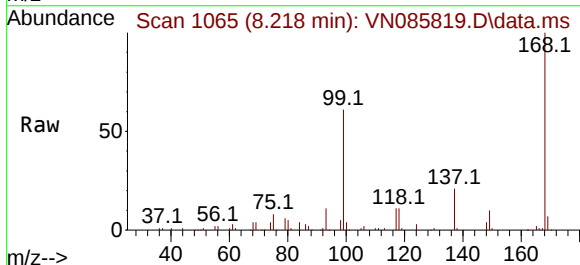
Instrument :
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TP8

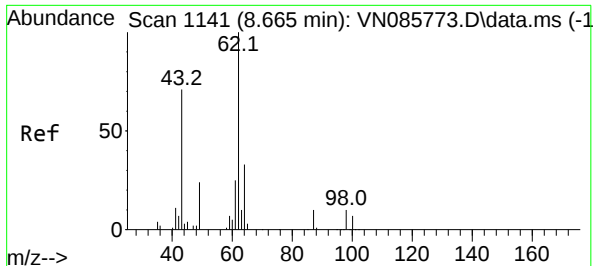
Tgt Ion: 43 Resp: 4331
Ion Ratio Lower Upper
43 100
61 5.1 12.2 18.2#
70 6.1 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 4.907 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 117 Resp: 26396
Ion Ratio Lower Upper
117 100
119 7.2 73.8 110.6#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.296 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085819.D

Acq: 21 Feb 2025 21:50

Instrument :

MSVOA_N

ClientSampleId :

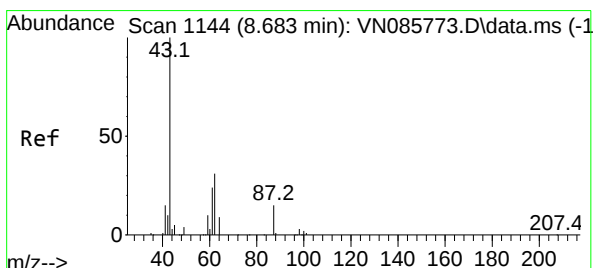
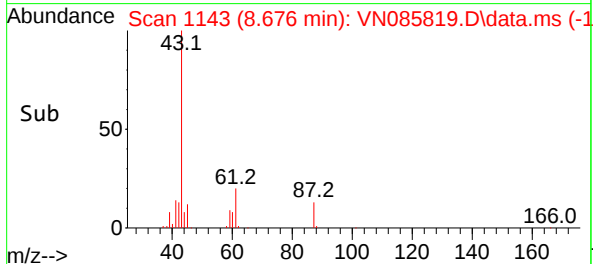
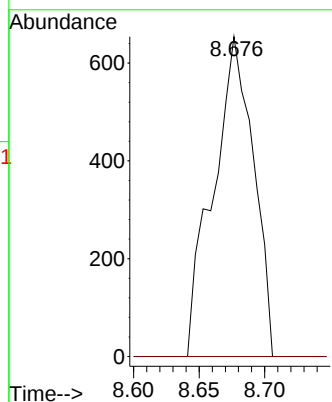
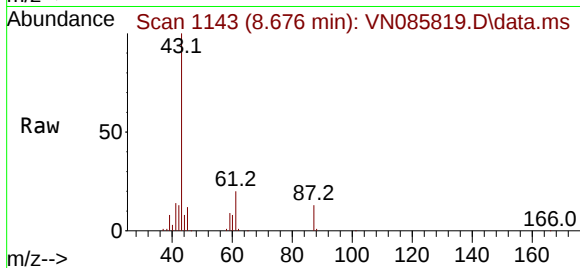
TP8

Tgt Ion: 62 Resp: 1398

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 32.043 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.001 min

Lab File: VN085819.D

Acq: 21 Feb 2025 21:50

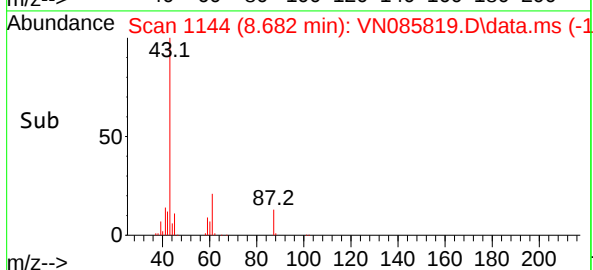
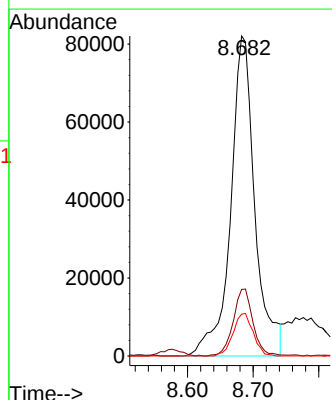
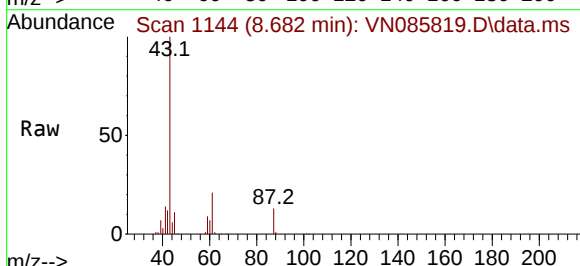
Tgt Ion: 43 Resp: 210792

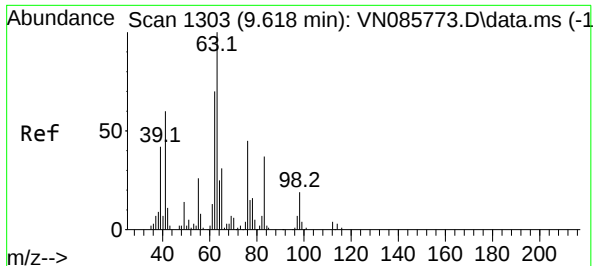
Ion Ratio Lower Upper

43 100

61 17.1 22.6 34.0#

87 11.0 11.8 17.8#

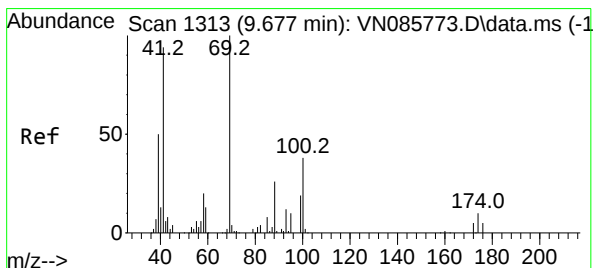
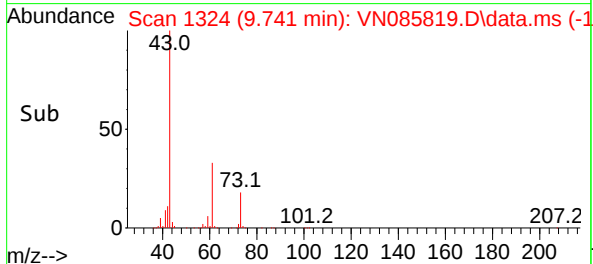
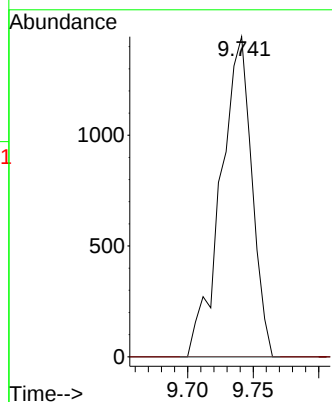
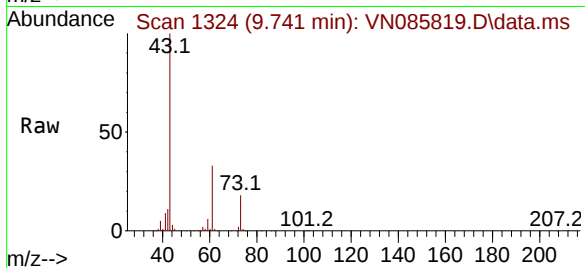




#45
1,2-Dichloropropane
Concen: 0.681 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

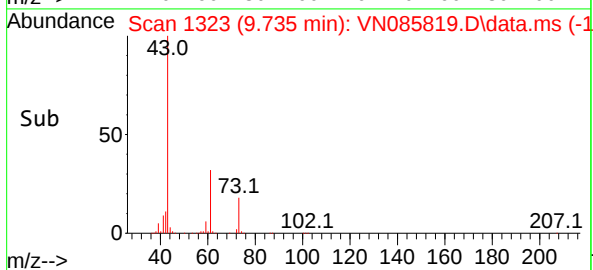
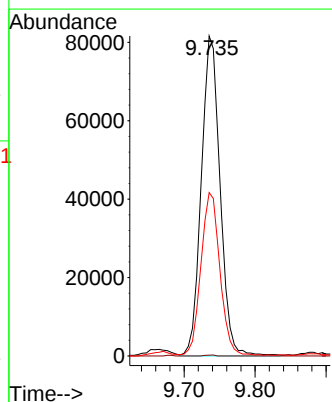
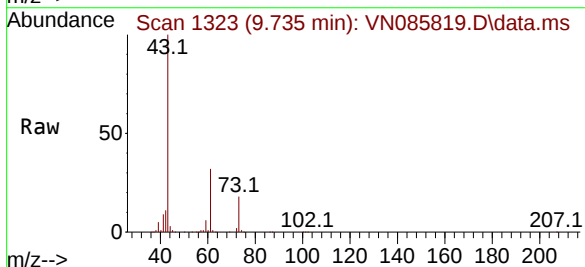
Instrument :
MSVOA_N
ClientSampleId :
TP8

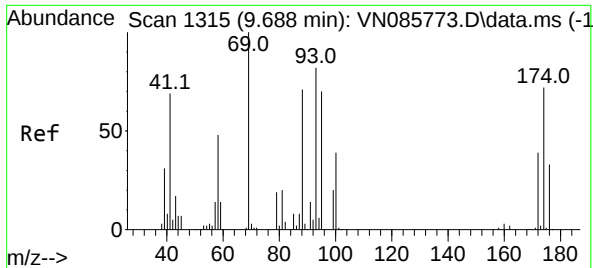
Tgt Ion: 63 Resp: 2386
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#



#48
Methyl methacrylate
Concen: 54.329 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.059 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 41 Resp: 150319
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 52.1 42.3 63.5

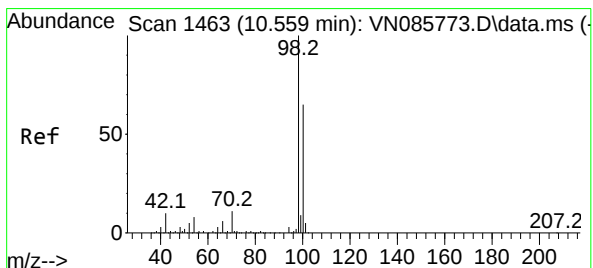
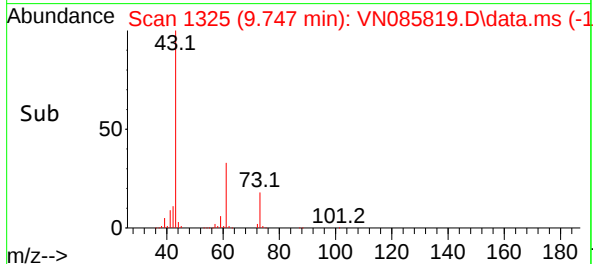
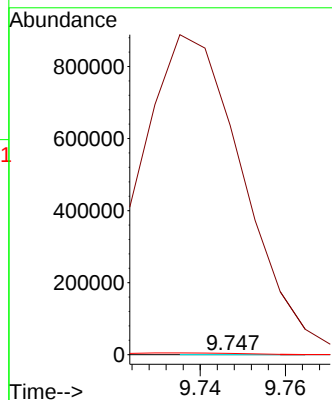
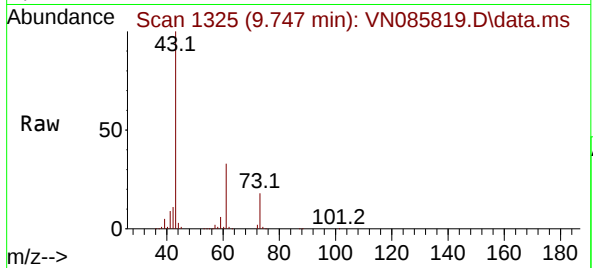




#49
1,4-Dioxane
Concen: 1.673 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

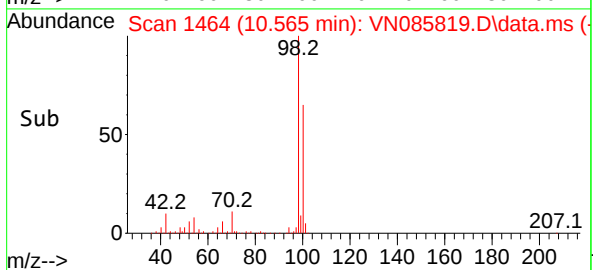
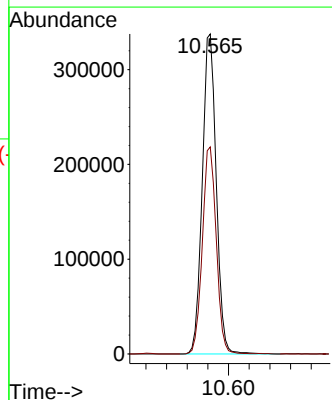
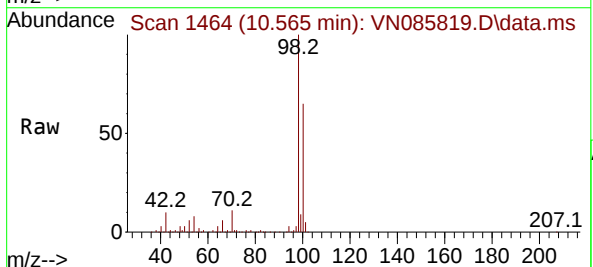
Instrument :
MSVOA_N
ClientSampleId :
TP8

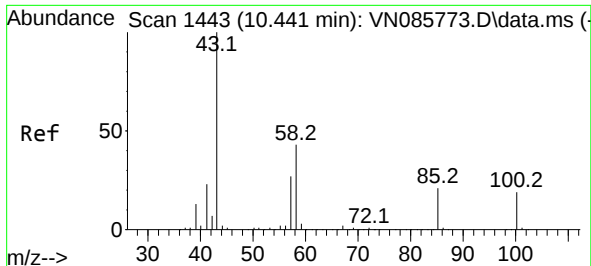
Tgt Ion: 88 Resp: 88
Ion Ratio Lower Upper
88 100
43 1787294.3 18.6 27.8#
58 11838.6 56.7 85.1#



#50
Toluene-d8
Concen: 54.287 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 98 Resp: 631804
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

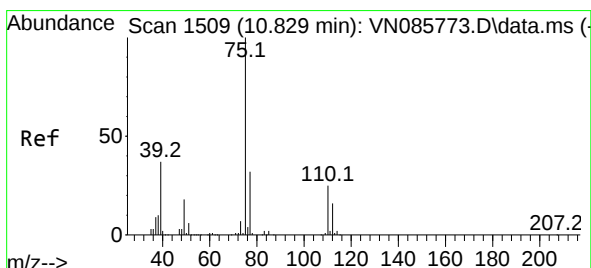
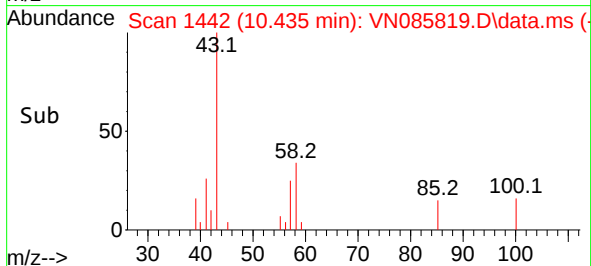
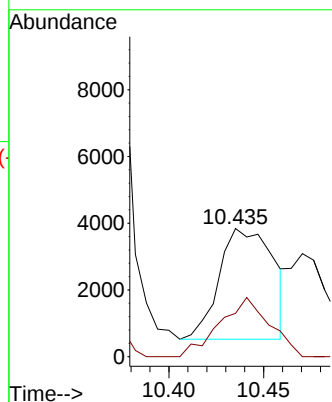
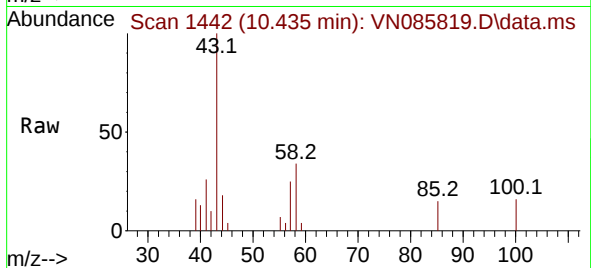




#51
4-Methyl-2-Pentanone
Concen: 1.834 ug/l
RT: 10.435 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

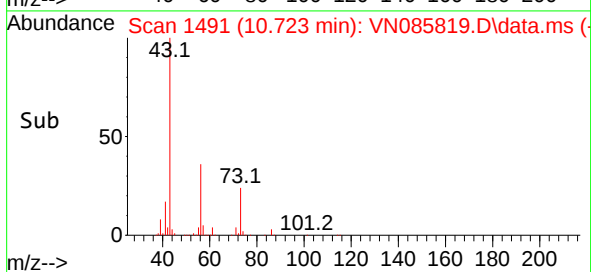
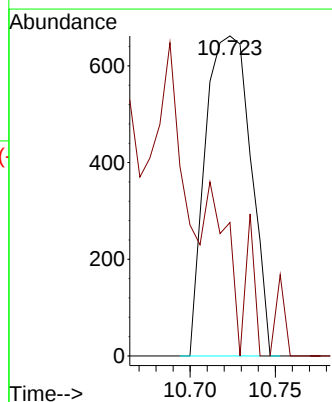
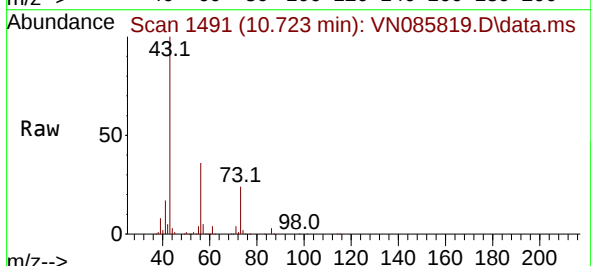
Instrument :
MSVOA_N
ClientSampleId :
TP8

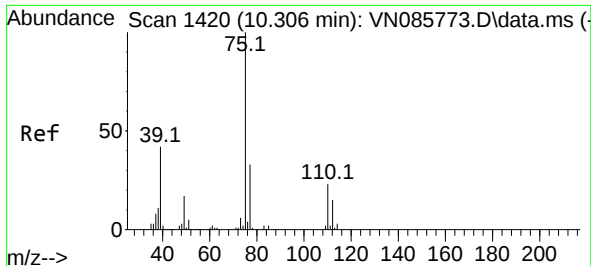
Tgt Ion: 43 Resp: 6589
Ion Ratio Lower Upper
43 100
58 49.3 34.6 52.0



#53
t-1,3-Dichloropropene
Concen: 0.250 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.106 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 75 Resp: 1224
Ion Ratio Lower Upper
75 100
77 16.3 25.4 38.0#

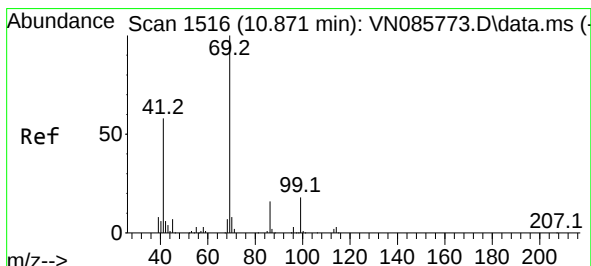
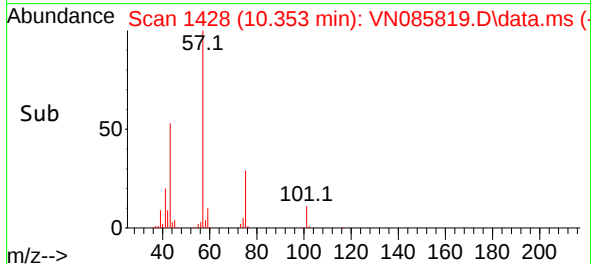
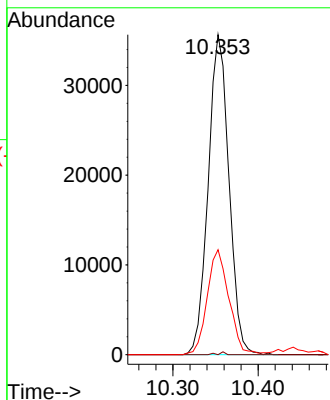
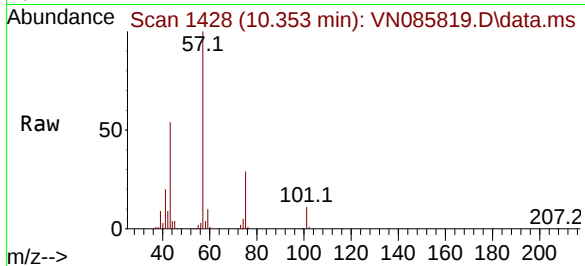




#54
cis-1,3-Dichloropropene
Concen: 11.283 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

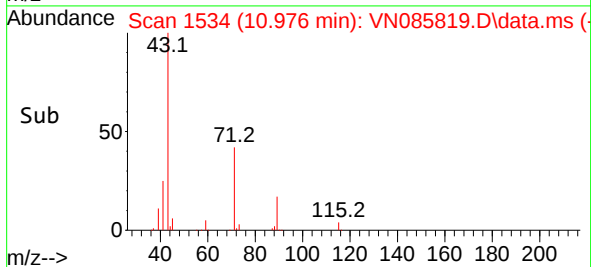
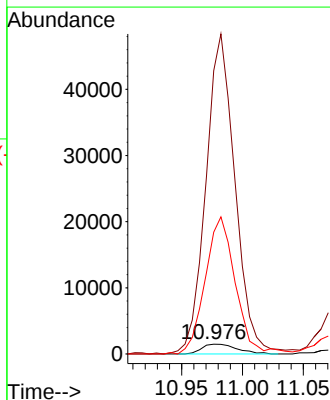
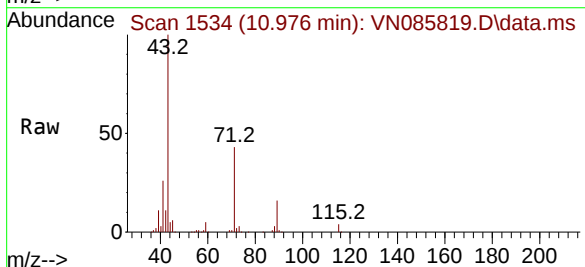
Instrument :
MSVOA_N
ClientSampleId :
TP8

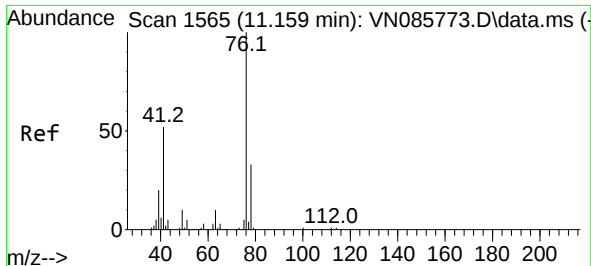
Tgt Ion: 75 Resp: 60468
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 32.8 33.4 50.0#



#56
Ethyl methacrylate
Concen: 1.147 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 69 Resp: 2995
Ion Ratio Lower Upper
69 100
41 2695.1 46.0 69.0#
39 1194.1 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.636 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN085819.D

Acq: 21 Feb 2025 21:50

Instrument :

MSVOA_N

ClientSampleId :

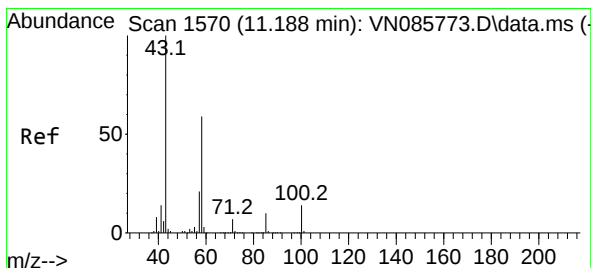
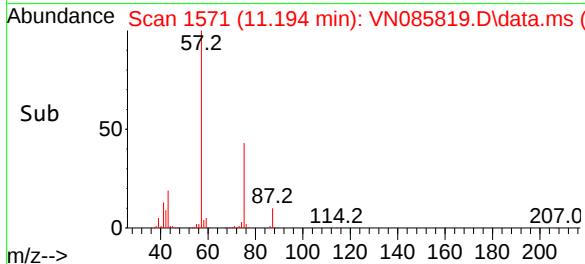
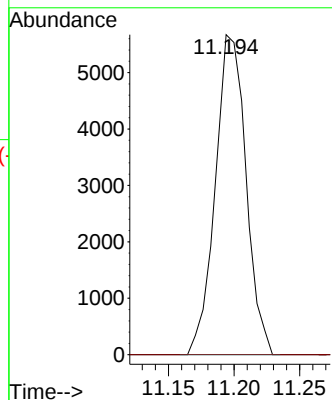
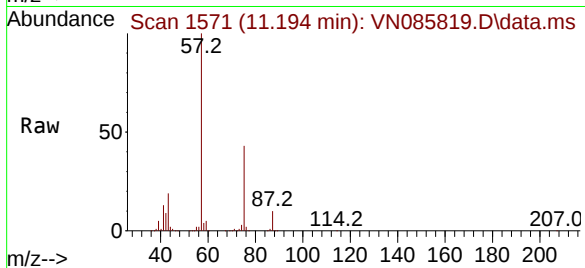
TP8

Tgt Ion: 76 Resp: 9234

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 53.954 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.023 min

Lab File: VN085819.D

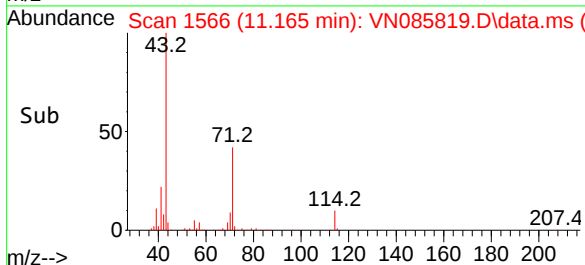
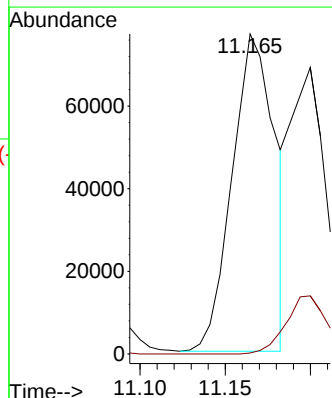
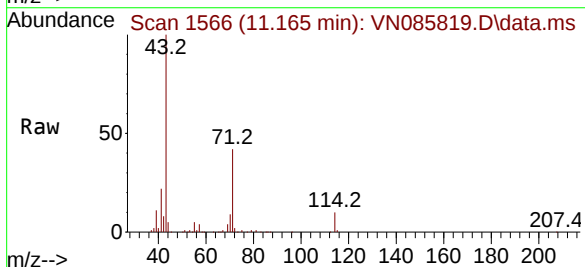
Acq: 21 Feb 2025 21:50

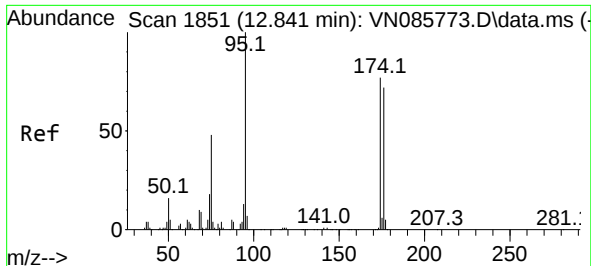
Tgt Ion: 43 Resp: 133324

Ion Ratio Lower Upper

43 100

58 0.0 29.8 89.5#

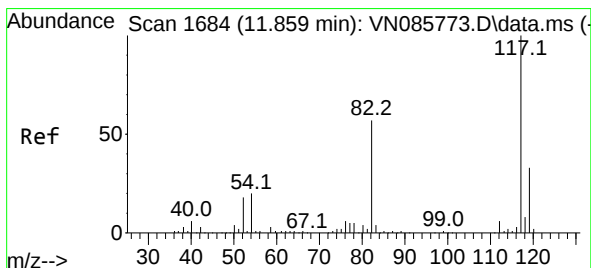
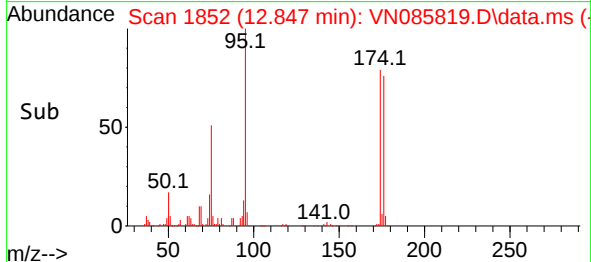
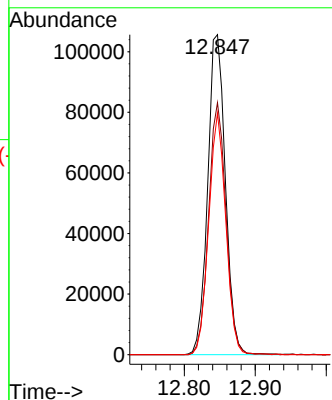
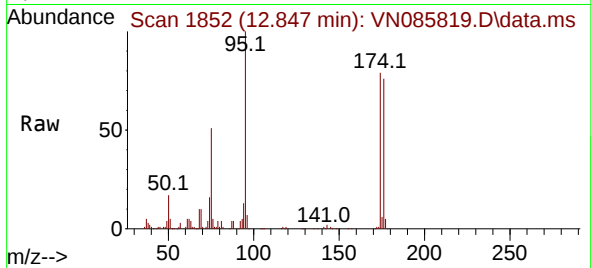




#62
4-Bromofluorobenzene
Concen: 47.735 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

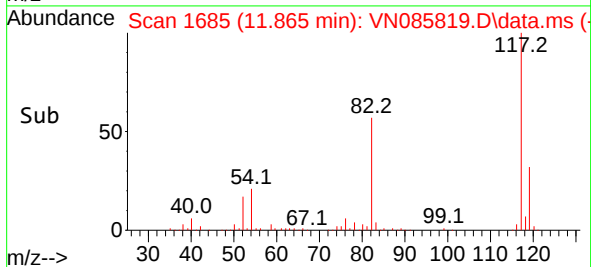
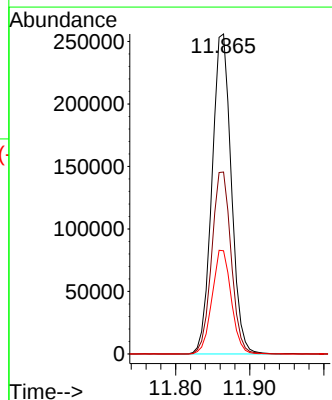
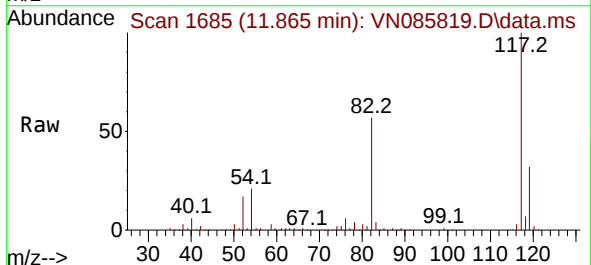
Instrument :
MSVOA_N
ClientSampleId :
TP8

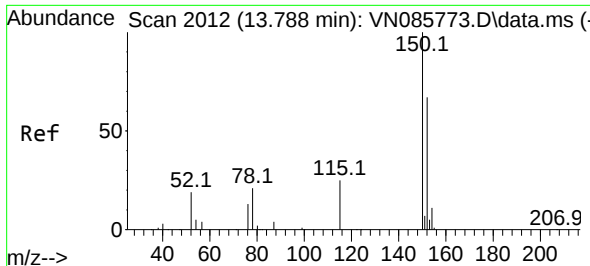
Tgt Ion: 95 Resp: 183039
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.4
176 72.7 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 117 Resp: 463054
Ion Ratio Lower Upper
117 100
82 56.8 45.7 68.5
119 32.3 26.2 39.2

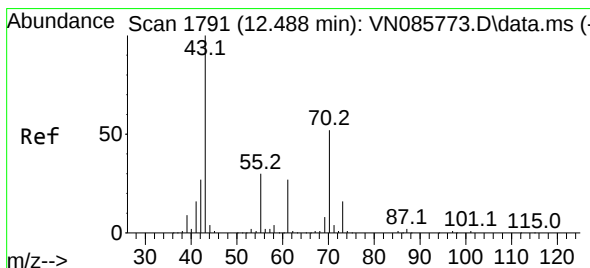
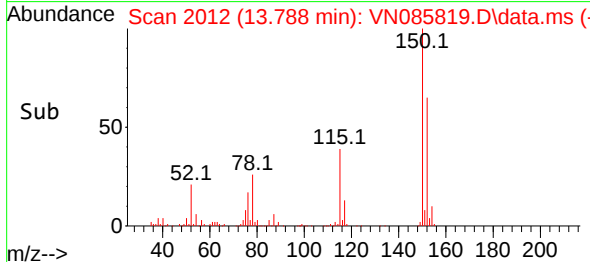
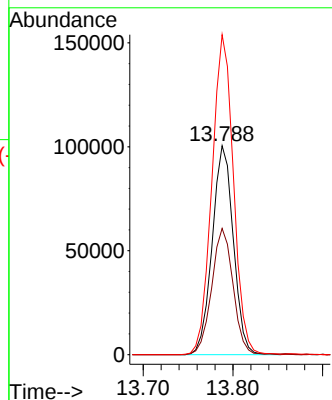
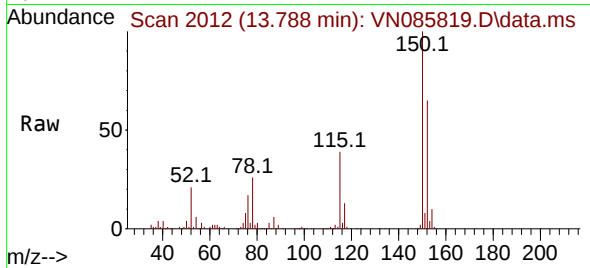




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

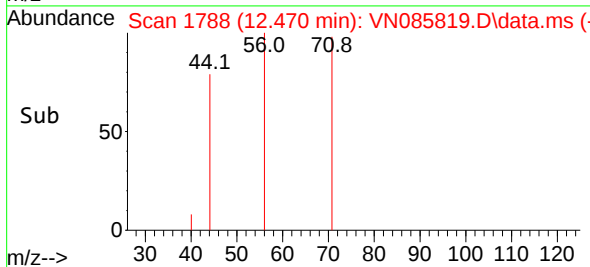
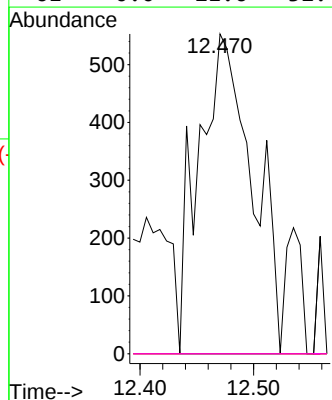
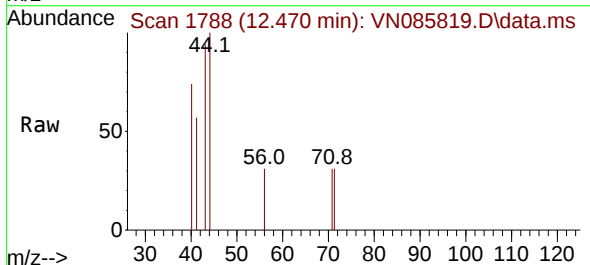
Instrument :
MSVOA_N
ClientSampleId :
TP8

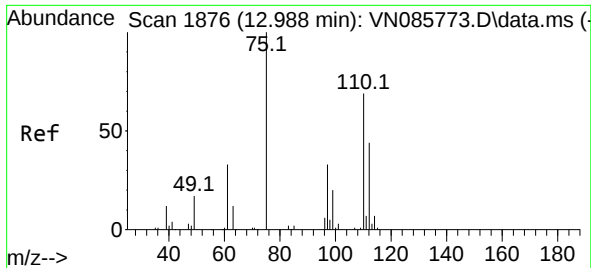
Tgt Ion:152 Resp: 164566
Ion Ratio Lower Upper
152 100
115 60.9 30.4 91.3
150 155.8 0.0 345.4



#74
N-ethyl acetate
Concen: 0.455 ug/l
RT: 12.470 min Scan# 1788
Delta R.T. -0.018 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 43 Resp: 1810
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.4#
55 0.0 24.6 36.8#
61 0.0 21.6 32.4#

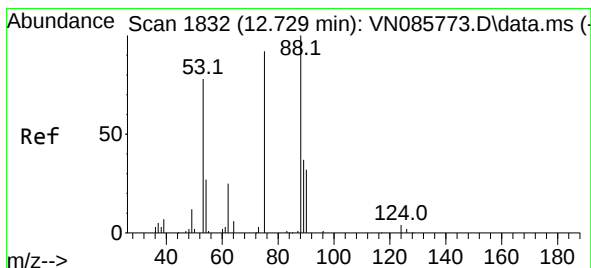
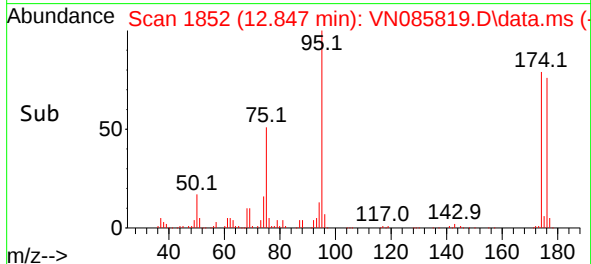
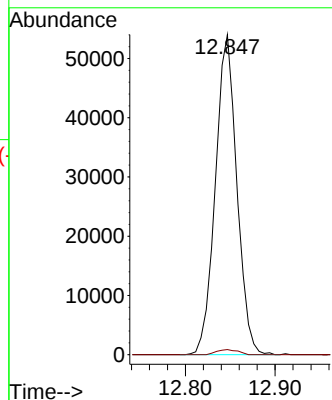
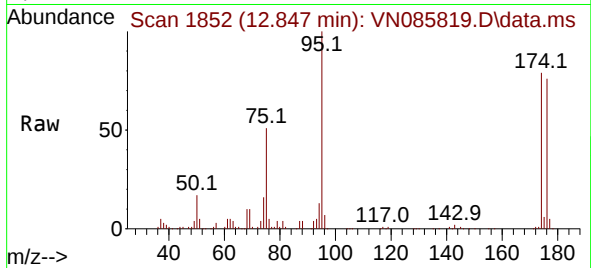




#76
1,2,3-Trichloropropane
Concen: 24.543 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Instrument :
MSVOA_N
ClientSampleId :
TP8

Tgt Ion: 75 Resp: 89717
Ion Ratio Lower Upper
75 100
77 1.6 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.609 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.117 min
Lab File: VN085819.D
Acq: 21 Feb 2025 21:50

Tgt Ion: 75 Resp: 89717
Ion Ratio Lower Upper
75 100
53 0.2 74.2 111.4#
89 0.0 34.9 52.3#

