

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086114.D
 Acq On : 25 Mar 2025 20:40
 Operator : JC\MD
 Sample : Q1632-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PIER-1-2

Quant Time: Mar 26 03:27:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	163211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	308693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111562	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128081	57.309	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.620%	
35) Dibromofluoromethane	8.165	113	77245	35.851	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 71.700%#	
50) Toluene-d8	10.565	98	382552	48.921	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.840%	
62) 4-Bromofluorobenzene	12.847	95	125326	44.939	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 89.880%	

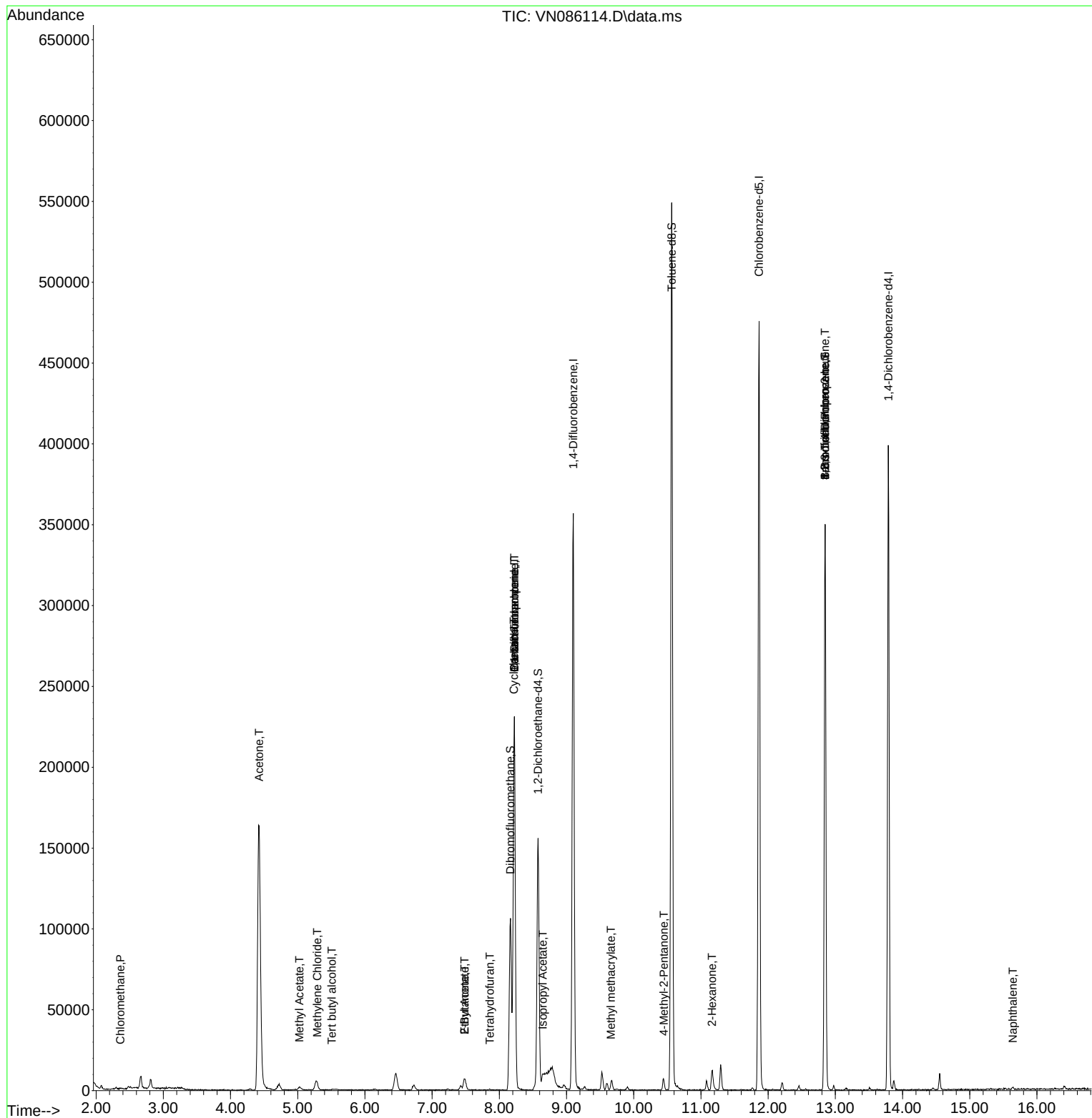
Target Compounds				Qvalue		
3) Chloromethane	2.360	50	494	0.261	ug/l #	42
11) Tert butyl alcohol	5.506	59	312	0.986	ug/l #	73
16) Acetone	4.424	43	303581	444.620	ug/l	100
18) Methyl Acetate	5.024	43	3983	2.358	ug/l #	83
20) Methylene Chloride	5.289	84	4582	2.294	ug/l	92
25) 2-Butanone	7.483	43	12418	12.604	ug/l	99
29) Tetrahydrofuran	7.859	42	327	0.538	ug/l #	65
31) Cyclohexane	8.218	56	3459	1.242	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12635	4.453	ug/l #	49
37) Ethyl Acetate	7.483	43	12418	5.188	ug/l #	64
38) Carbon Tetrachloride	8.224	117	17857	4.787	ug/l #	17
43) Isopropyl Acetate	8.647	43	5801	1.118	ug/l #	50
48) Methyl methacrylate	9.659	41	657	0.384	ug/l #	12
51) 4-Methyl-2-Pentanone	10.447	43	5024	2.196	ug/l #	86
59) 2-Hexanone	11.165	43	10419	6.253	ug/l #	18
71) Bromoform	12.847	173	1063	0.528	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	63427	25.395	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63427	67.139	ug/l #	16
95) Naphthalene	15.641	128	1714	0.309	ug/l #	78

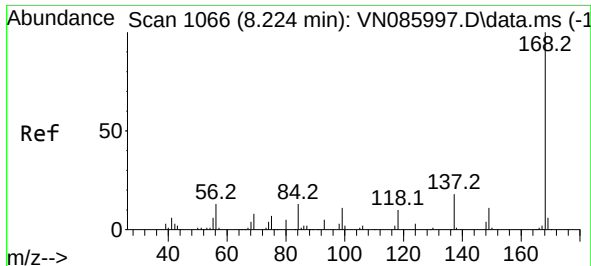
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

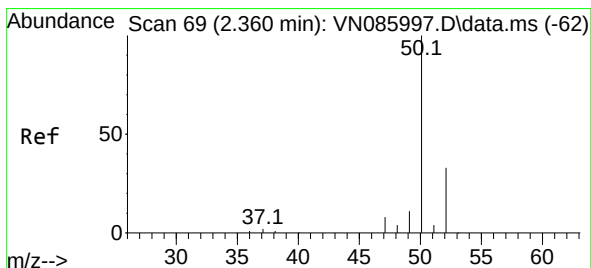
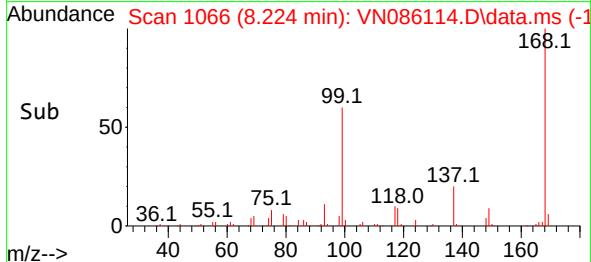
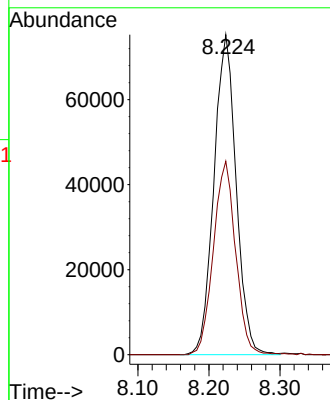
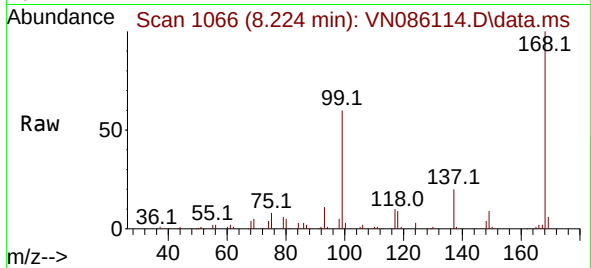




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

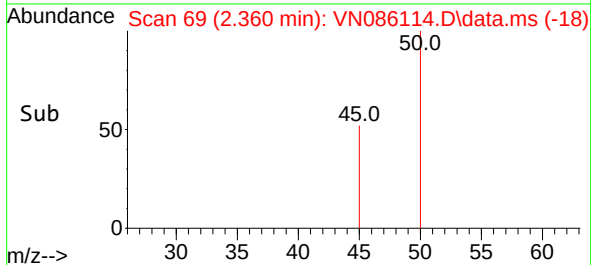
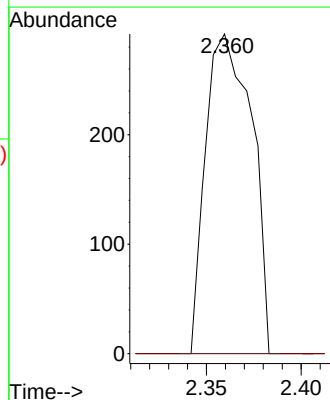
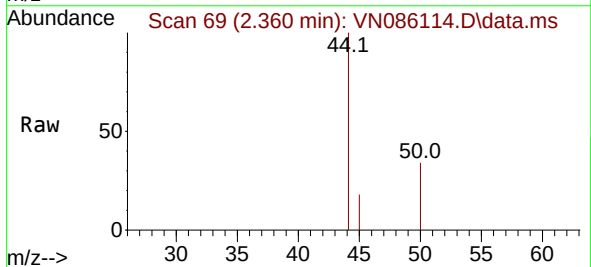
Instrument :
MSVOA_N
ClientSampleId :
PIER-1-2

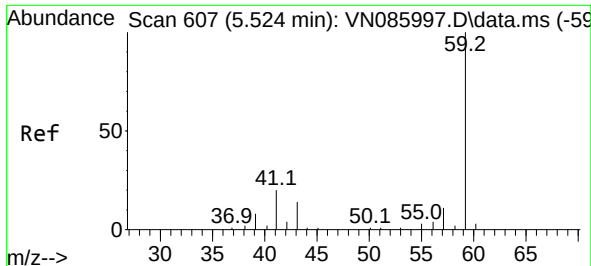
Tgt Ion:168 Resp: 163211
Ion Ratio Lower Upper
168 100
99 60.4 49.4 74.2



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion: 50 Resp: 494
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

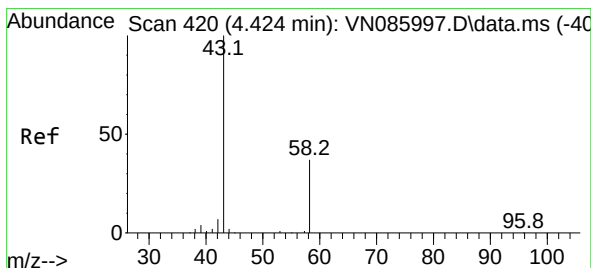
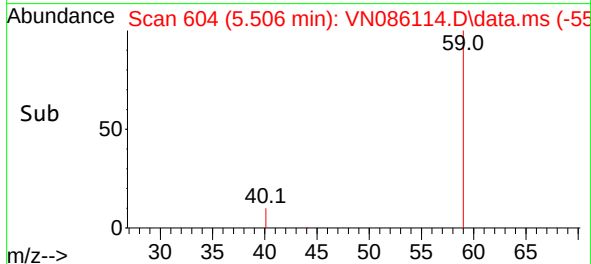
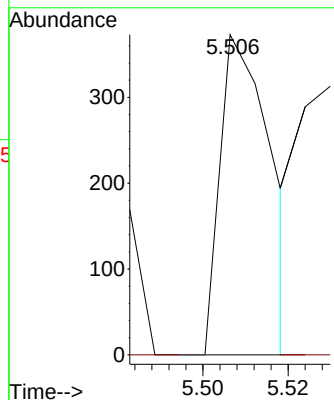
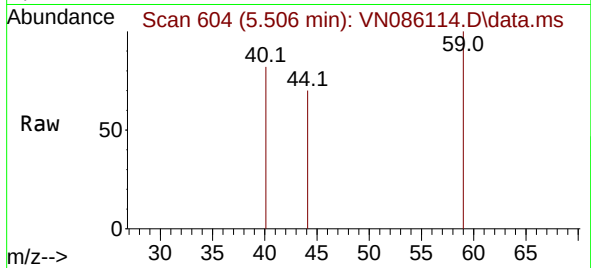




#11
Tert butyl alcohol
Concen: 0.986 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

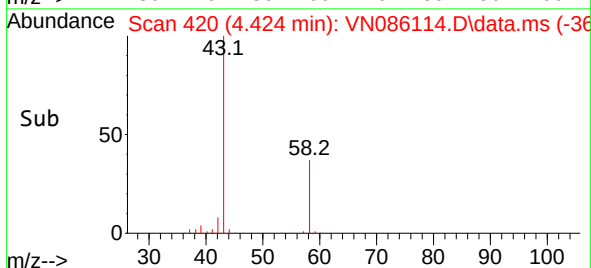
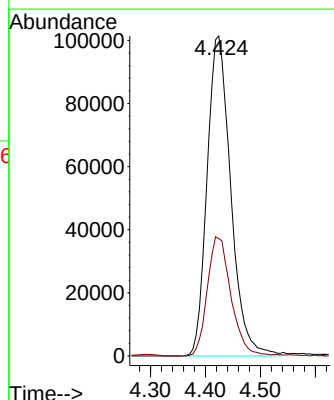
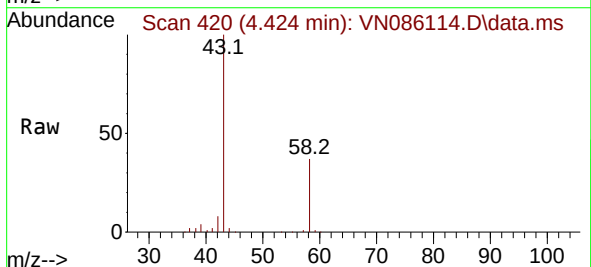
Instrument :
MSVOA_N
ClientSampleId :
PIER-1-2

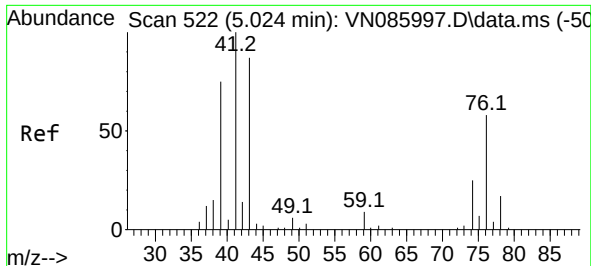
Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 444.620 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion: 43 Resp: 303581
Ion Ratio Lower Upper
43 100
58 36.7 29.4 44.2

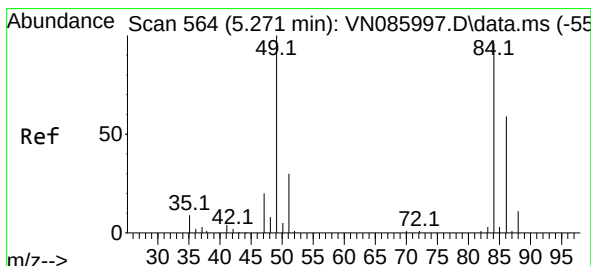
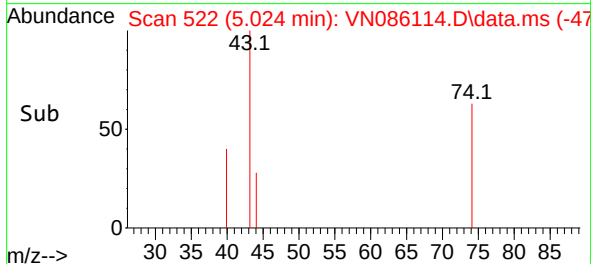
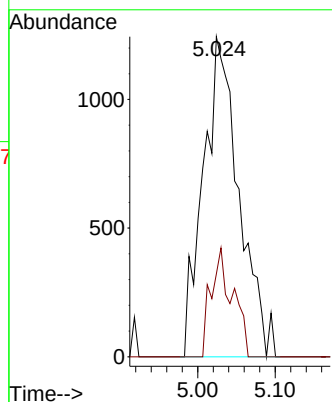
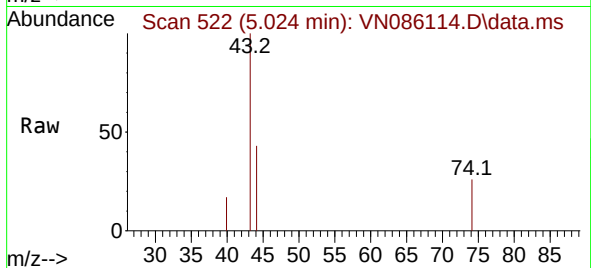




#18
Methyl Acetate
Concen: 2.358 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

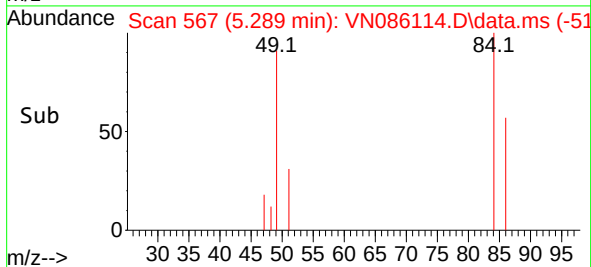
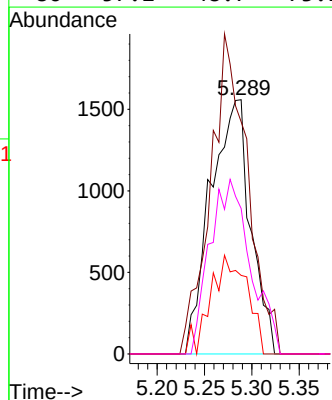
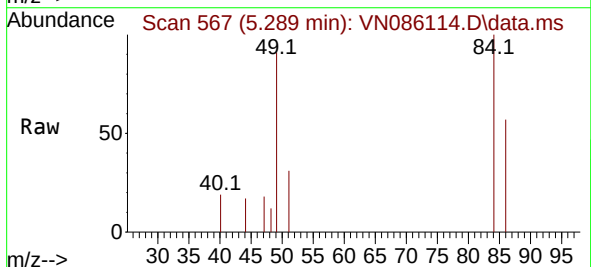
Instrument :
MSVOA_N
ClientSampleId :
PIER-1-2

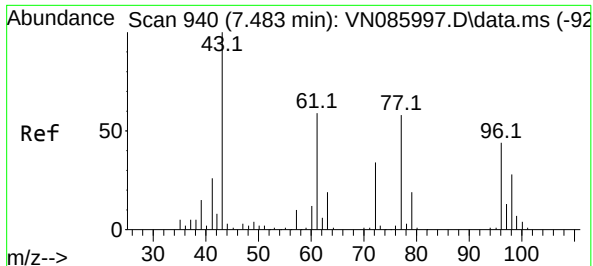
Tgt Ion: 43 Resp: 3983
Ion Ratio Lower Upper
43 100
74 20.6 23.9 35.9#



#20
Methylene Chloride
Concen: 2.294 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion: 84 Resp: 4582
Ion Ratio Lower Upper
84 100
49 91.3 83.3 124.9
51 30.9 24.8 37.2
86 57.2 48.7 73.1

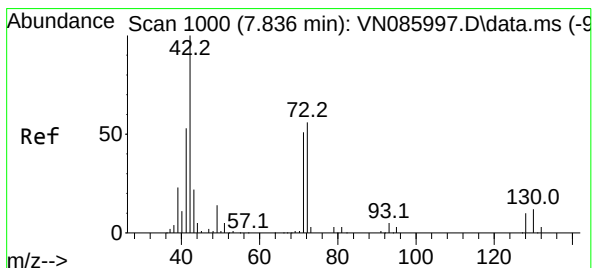
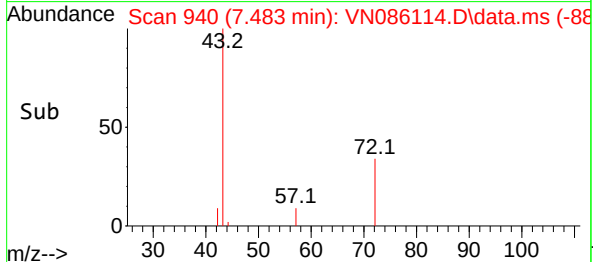
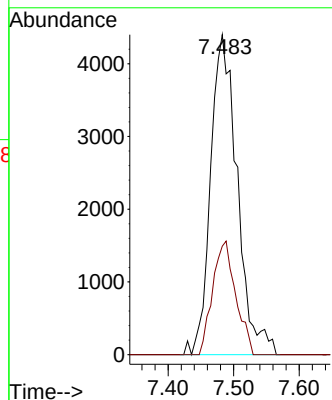
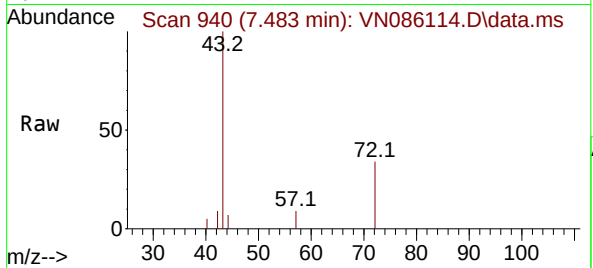




#25
2-Butanone
Concen: 12.604 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

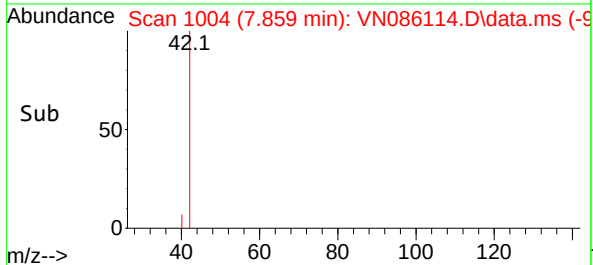
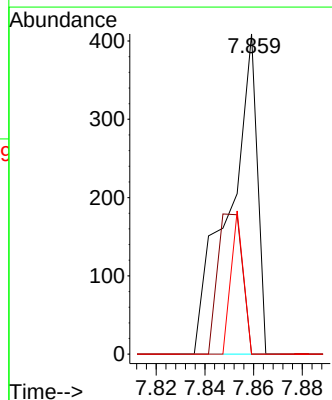
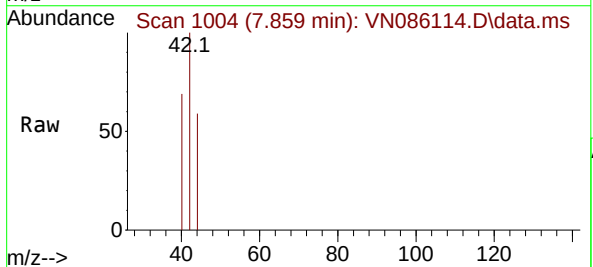
Instrument :
MSVOA_N
ClientSampleId :
PIER-1-2

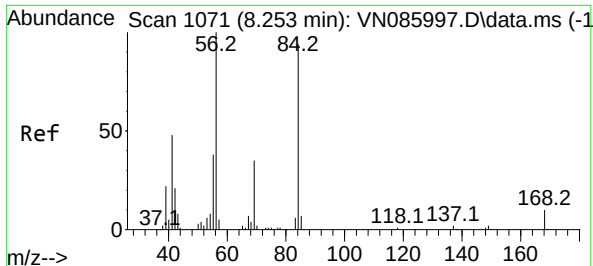
Tgt Ion: 43 Resp: 12418
Ion Ratio Lower Upper
43 100
72 33.9 27.4 41.0



#29
Tetrahydrofuran
Concen: 0.538 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.023 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

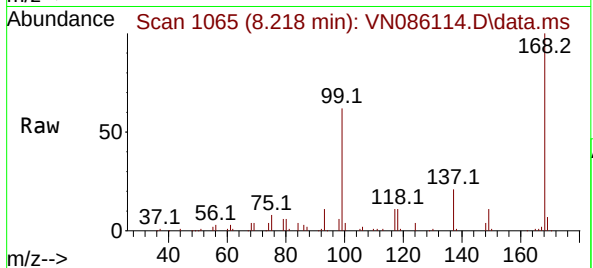
Tgt Ion: 42 Resp: 327
Ion Ratio Lower Upper
42 100
72 38.5 45.0 67.4#
71 19.9 41.9 62.9#



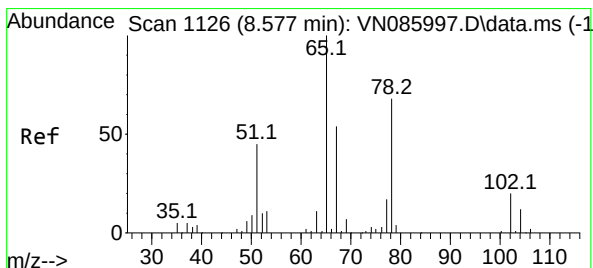
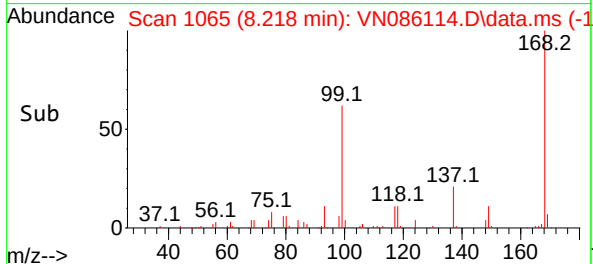
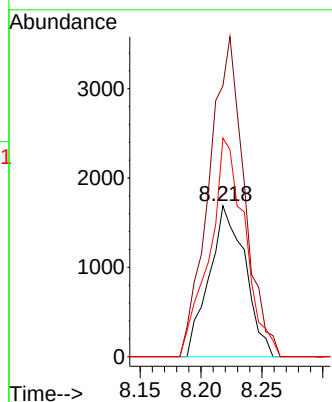


#31
Cyclohexane
Concen: 1.242 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Instrument :
MSVOA_N
ClientSampleId :
PIER-1-2

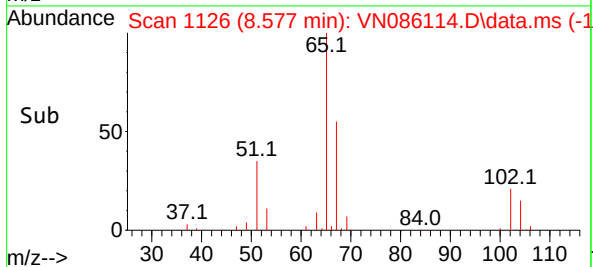
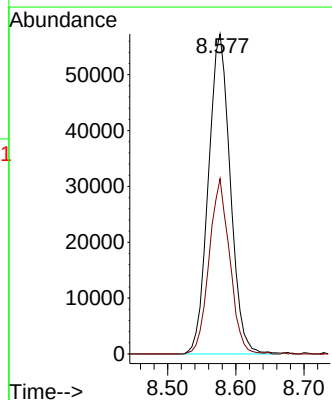
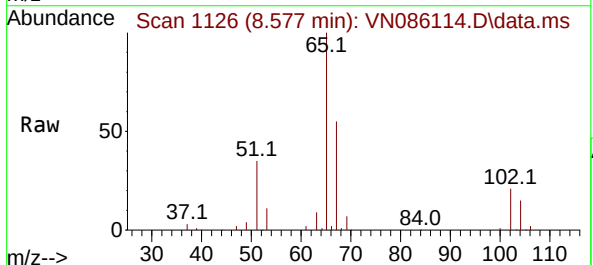


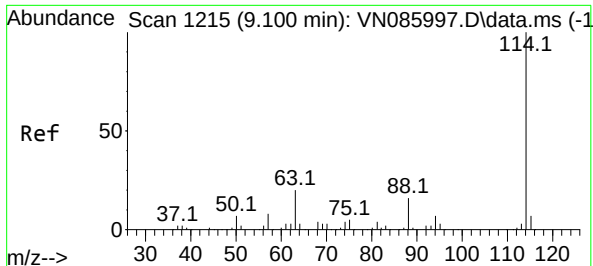
Tgt Ion: 56 Resp: 3459
Ion Ratio Lower Upper
56 100
69 179.6 28.0 42.0#
84 144.8 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 57.309 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion: 65 Resp: 128081
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086114.D

Acq: 25 Mar 2025 20:40

Instrument :

MSVOA_N

ClientSampleId :

PIER-1-2

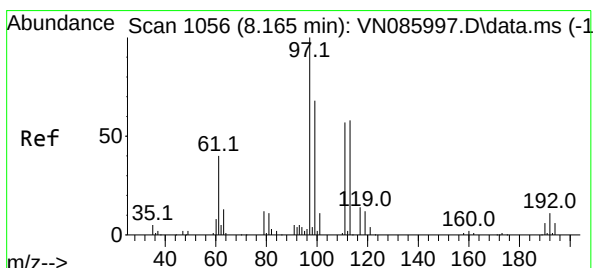
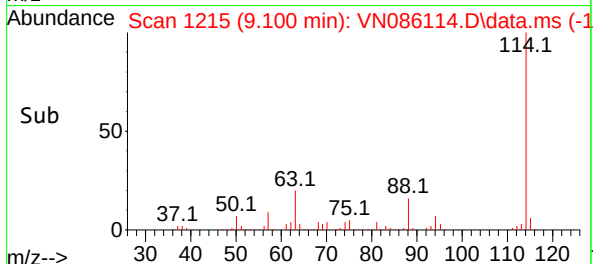
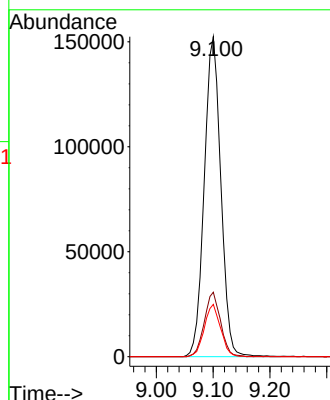
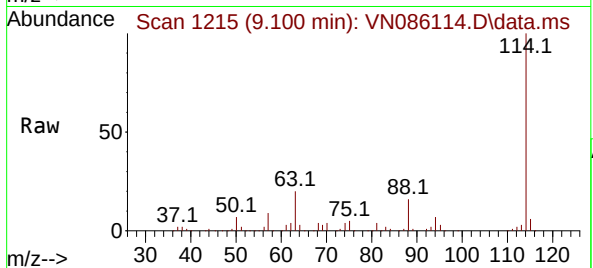
Tgt Ion:114 Resp: 308693

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 35.851 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086114.D

Acq: 25 Mar 2025 20:40

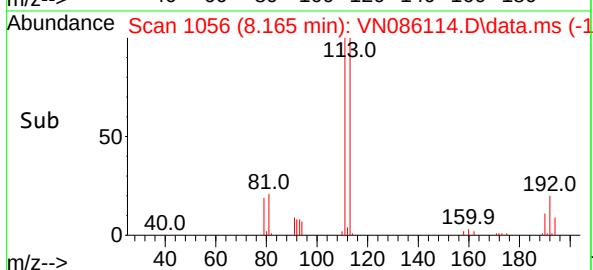
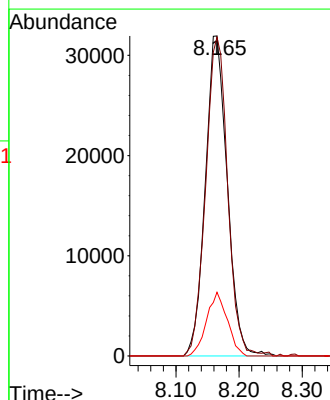
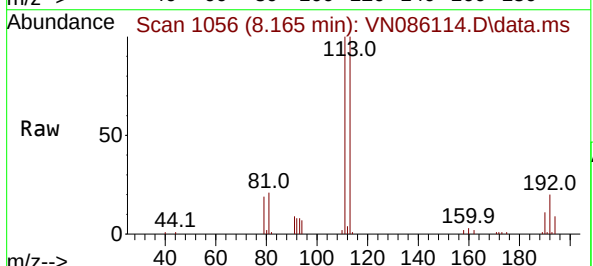
Tgt Ion:113 Resp: 77245

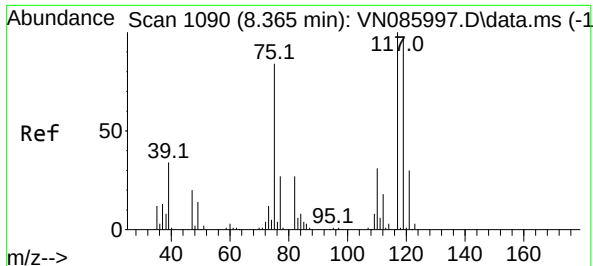
Ion Ratio Lower Upper

113 100

111 99.4 81.8 122.8

192 18.8 15.9 23.9

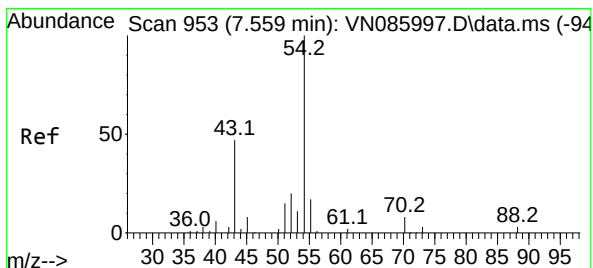
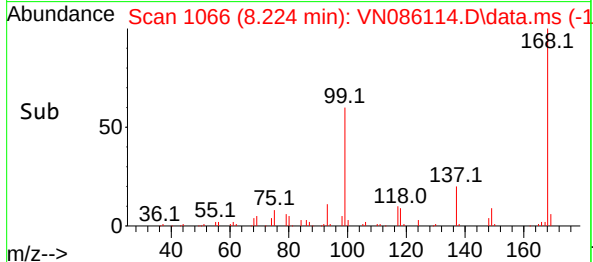
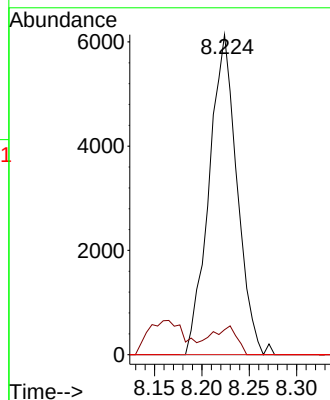
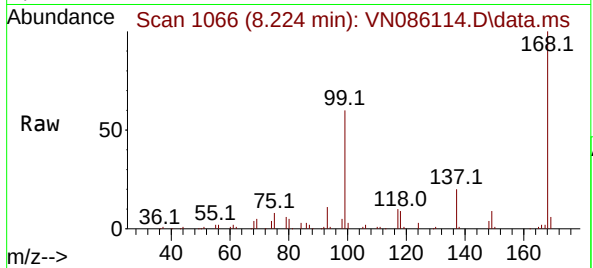




#36
1,1-Dichloropropene
Concen: 4.453 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

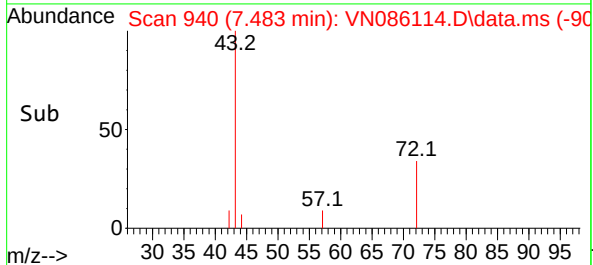
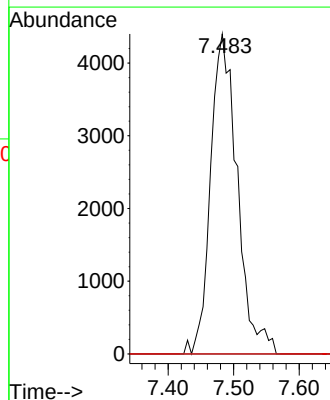
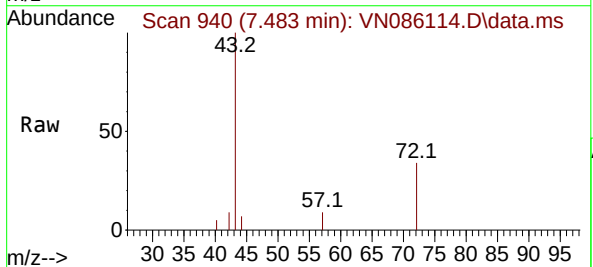
Instrument :
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PIER-1-2

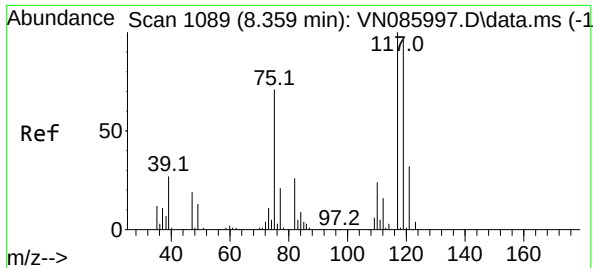
Tgt Ion: 75 Resp: 12635
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 5.188 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.077 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion: 43 Resp: 12418
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#

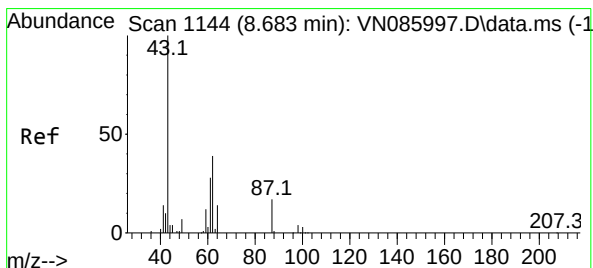
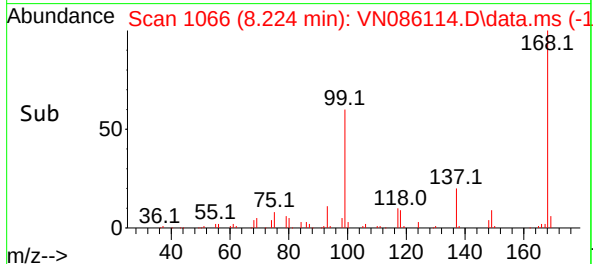
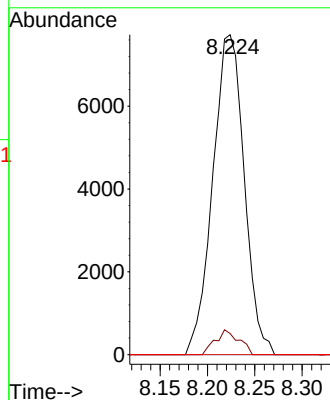
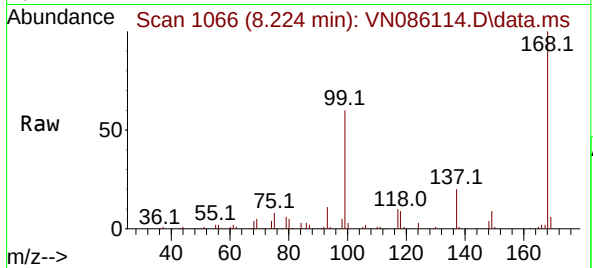




#38
Carbon Tetrachloride
Concen: 4.787 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

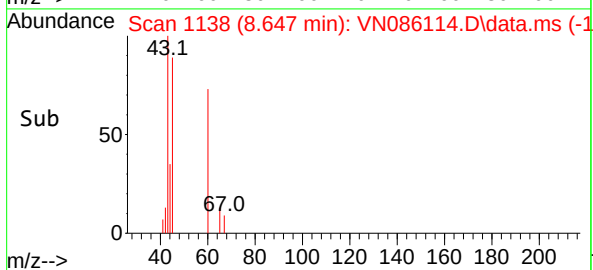
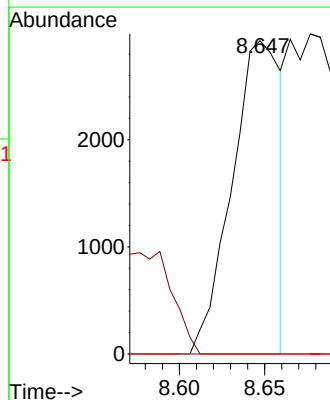
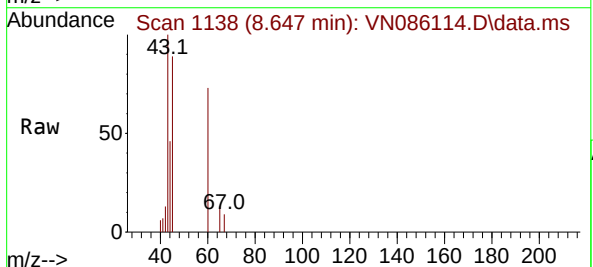
Instrument :
MSVOA_N
ClientSampleId :
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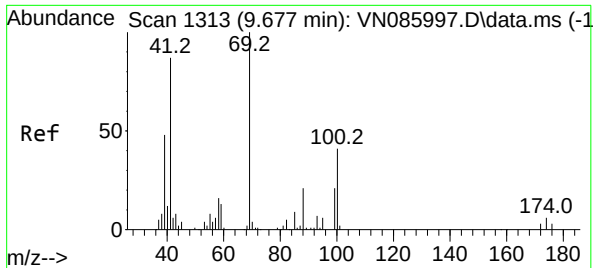
Tgt Ion:117 Resp: 17857
Ion Ratio Lower Upper
117 100
119 6.6 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 1.118 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.035 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion: 43 Resp: 5801
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#

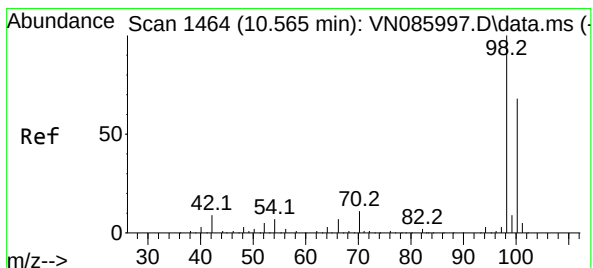
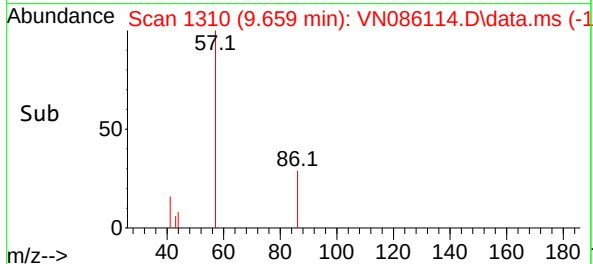
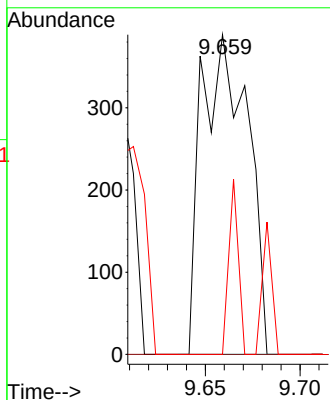
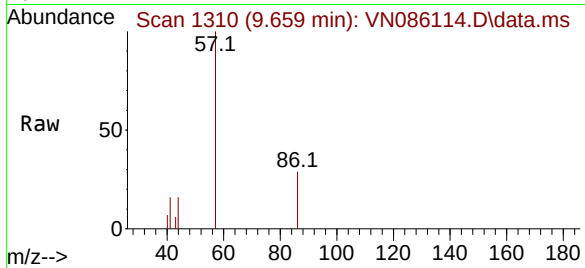




#48
Methyl methacrylate
Concen: 0.384 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

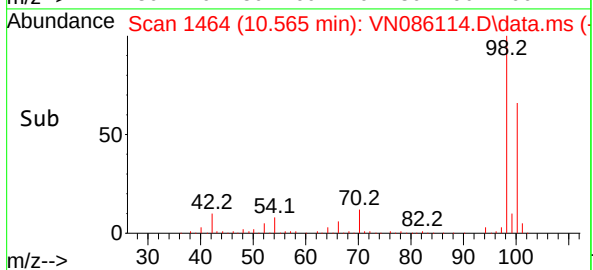
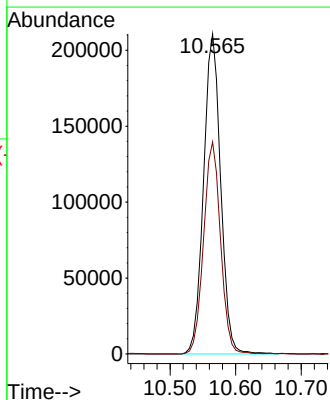
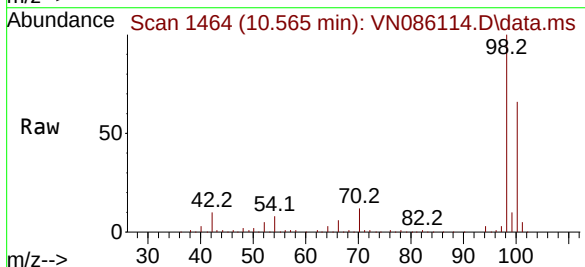
Instrument :
MSVOA_N
ClientSampleId :
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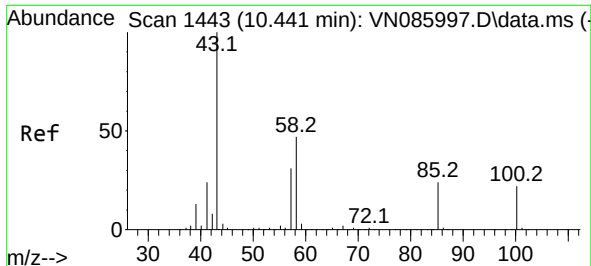
Tgt Ion: 41 Resp: 657
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 11.4 45.6 68.4#



#50
Toluene-d8
Concen: 48.921 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion: 98 Resp: 382552
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7

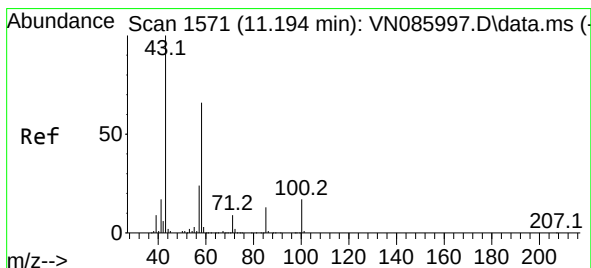
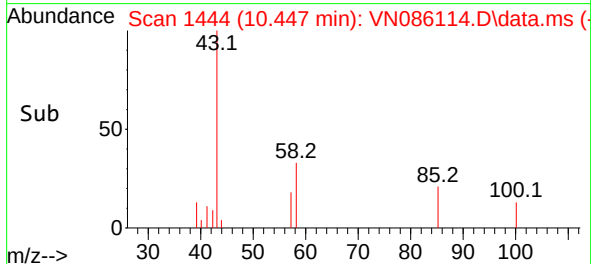
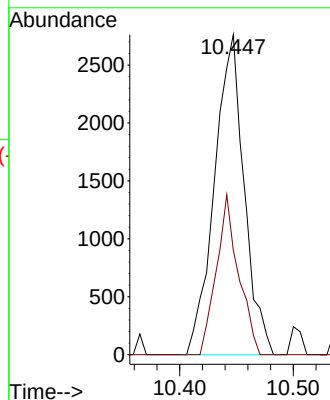
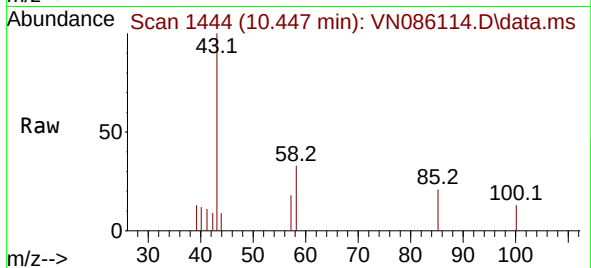




#51
4-Methyl-2-Pentanone
Concen: 2.196 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

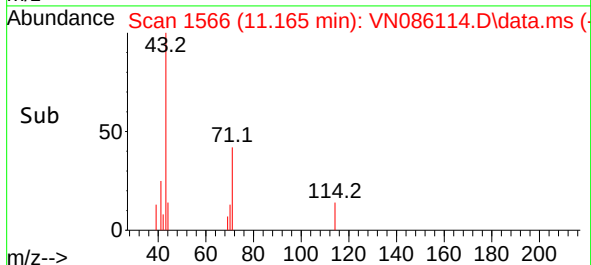
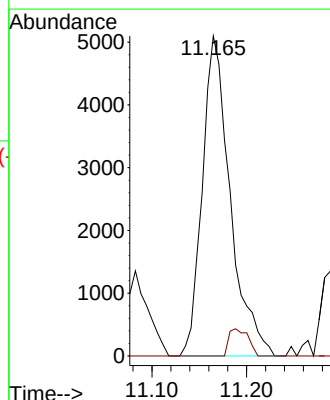
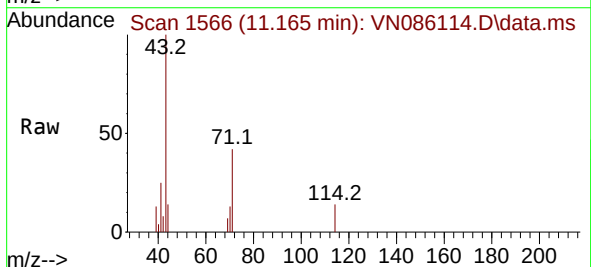
Instrument :
MSVOA_N
ClientSampleId :
PIER-1-2

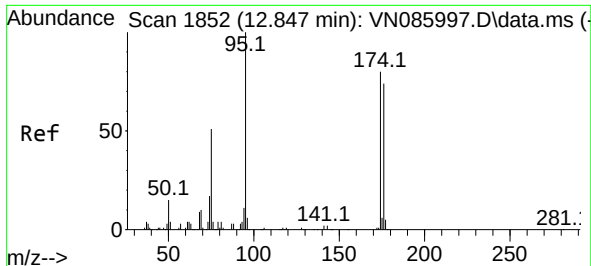
Tgt Ion: 43 Resp: 5024
Ion Ratio Lower Upper
43 100
58 37.2 37.4 56.0#



#59
2-Hexanone
Concen: 6.253 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.029 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion: 43 Resp: 10419
Ion Ratio Lower Upper
43 100
58 0.0 32.4 97.2#

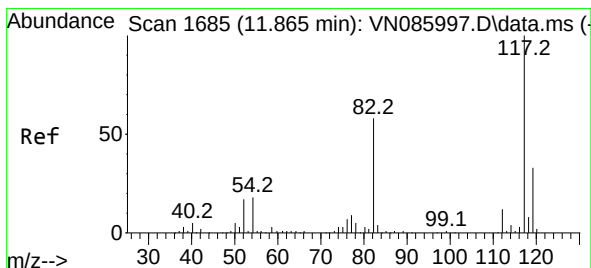
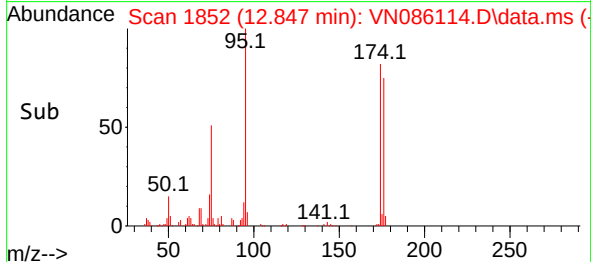
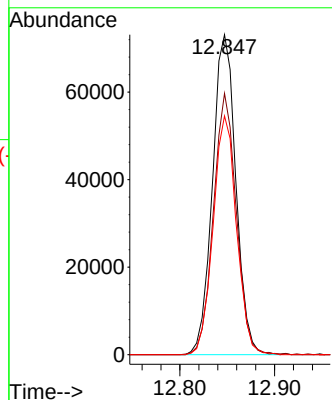
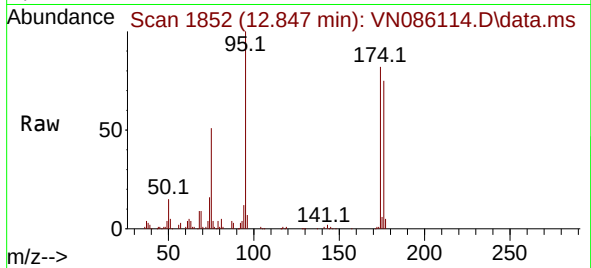




#62
4-Bromofluorobenzene
Concen: 44.939 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

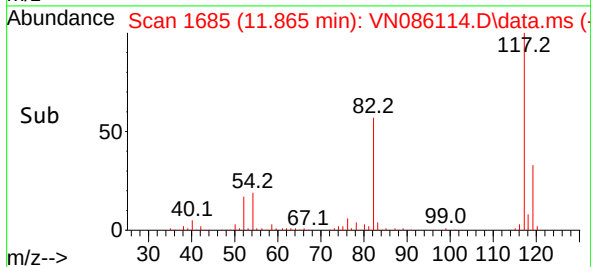
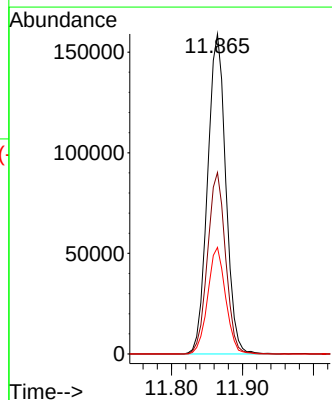
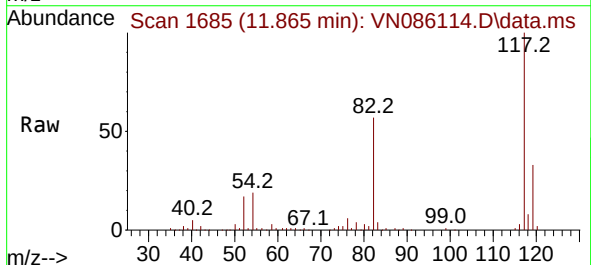
Instrument :
MSVOA_N
ClientSampleId :
PIER-1-2

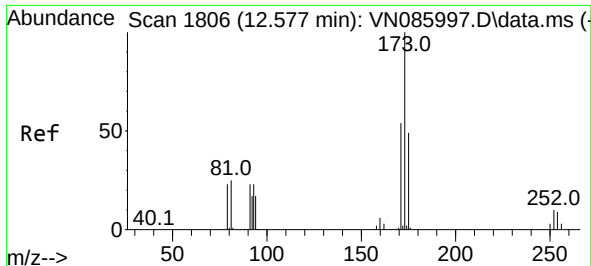
Tgt Ion: 95 Resp: 125326
Ion Ratio Lower Upper
95 100
174 80.3 0.0 156.8
176 74.6 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion: 117 Resp: 283093
Ion Ratio Lower Upper
117 100
82 56.7 46.7 70.1
119 33.3 26.5 39.7

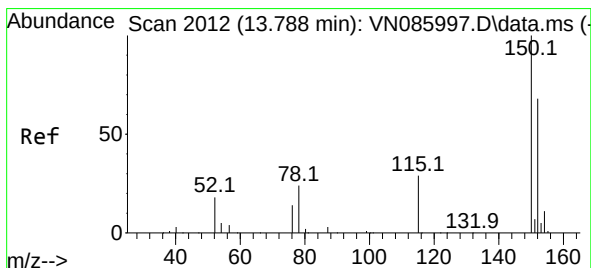
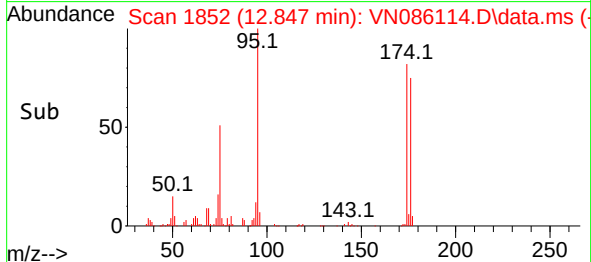
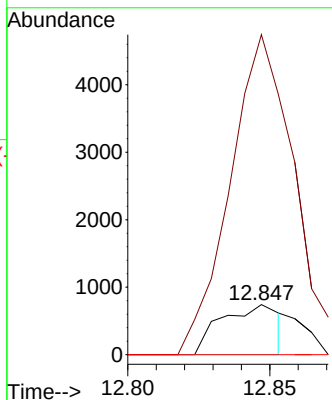
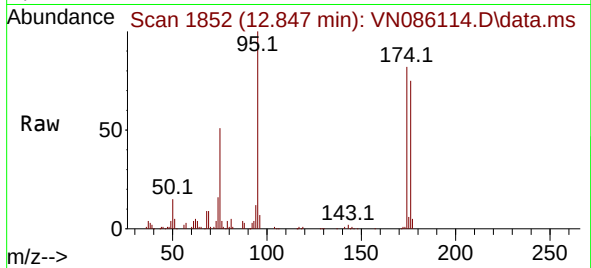




#71
Bromoform
Concen: 0.528 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

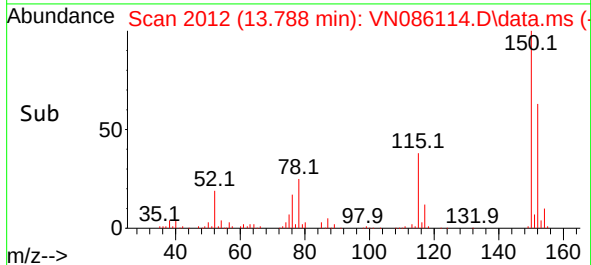
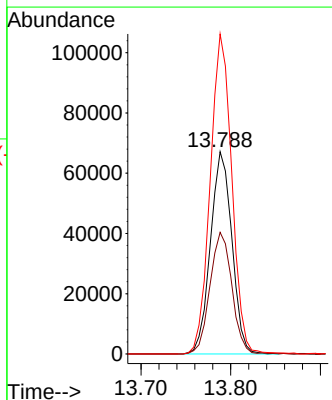
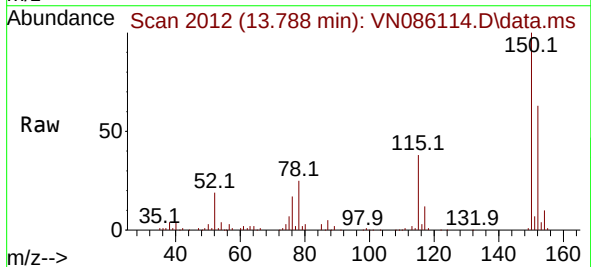
Instrument :
MSVOA_N
ClientSampleId :
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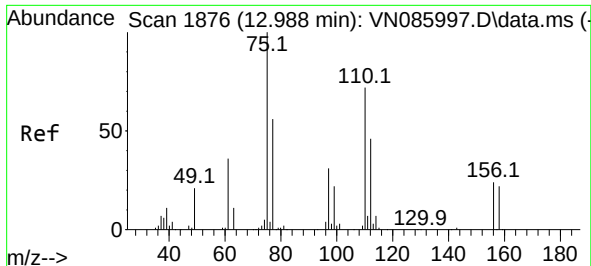
Tgt Ion:173 Resp: 1063
Ion Ratio Lower Upper
173 100
175 547.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion:152 Resp: 111562
Ion Ratio Lower Upper
152 100
115 61.4 31.1 93.2
150 158.9 0.0 359.6

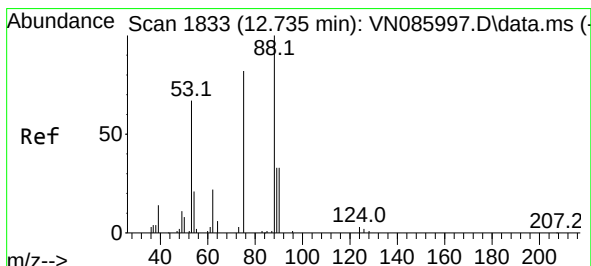
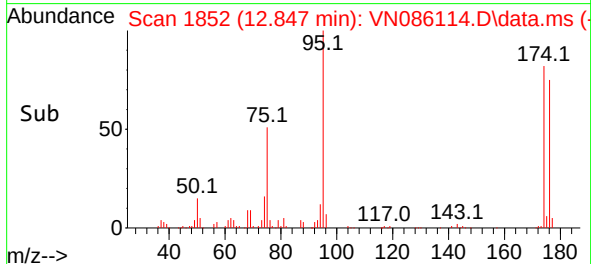
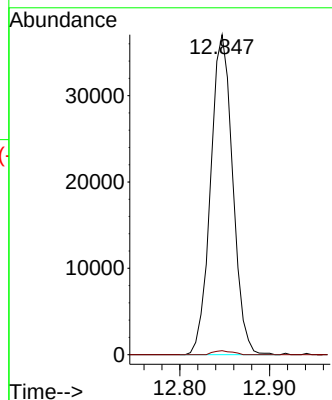
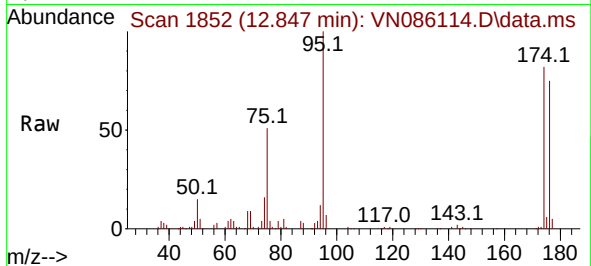




#76
1,2,3-Trichloropropane
Concen: 25.395 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

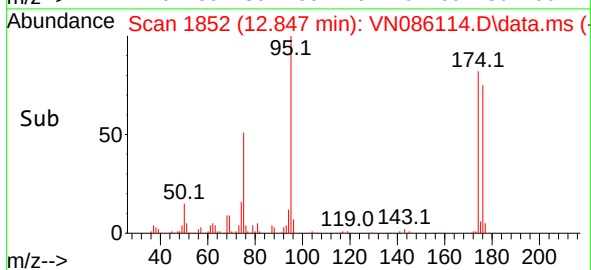
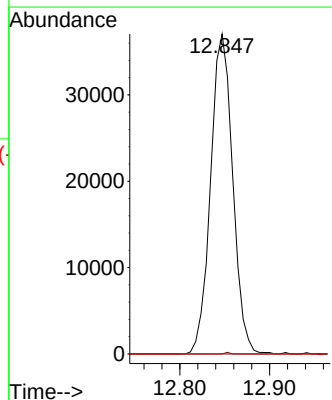
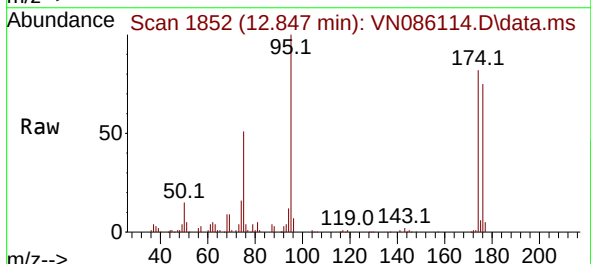
Instrument :
MSVOA_N
ClientSampleId :
PIER-1-2

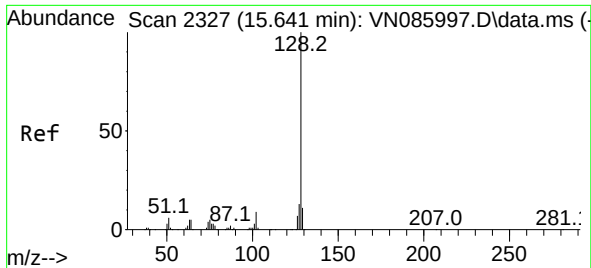
Tgt Ion: 75 Resp: 63427
Ion Ratio Lower Upper
75 100
77 1.1 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.139 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086114.D
Acq: 25 Mar 2025 20:40

Tgt Ion: 75 Resp: 63427
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.309 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086114.D

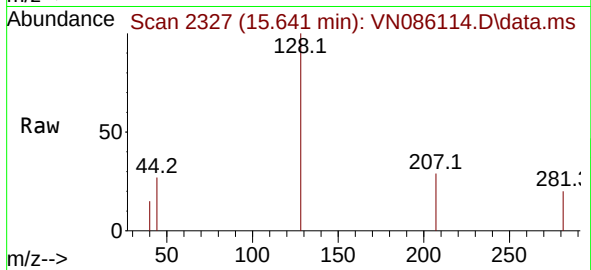
Acq: 25 Mar 2025 20:40

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:128 Resp: 1714

Ion Ratio Lower Upper

128 100

127 3.6 10.2 15.4#

129 3.2 9.0 13.6#

