

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073025\
 Data File : VN087445.D
 Acq On : 30 Jul 2025 15:12
 Operator : JC\MD
 Sample : Q2730-01DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001 willets Pt Blvd(july)DL

Quant Time: Jul 31 01:15:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:35:47 2025
 Response via : Initial Calibration

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

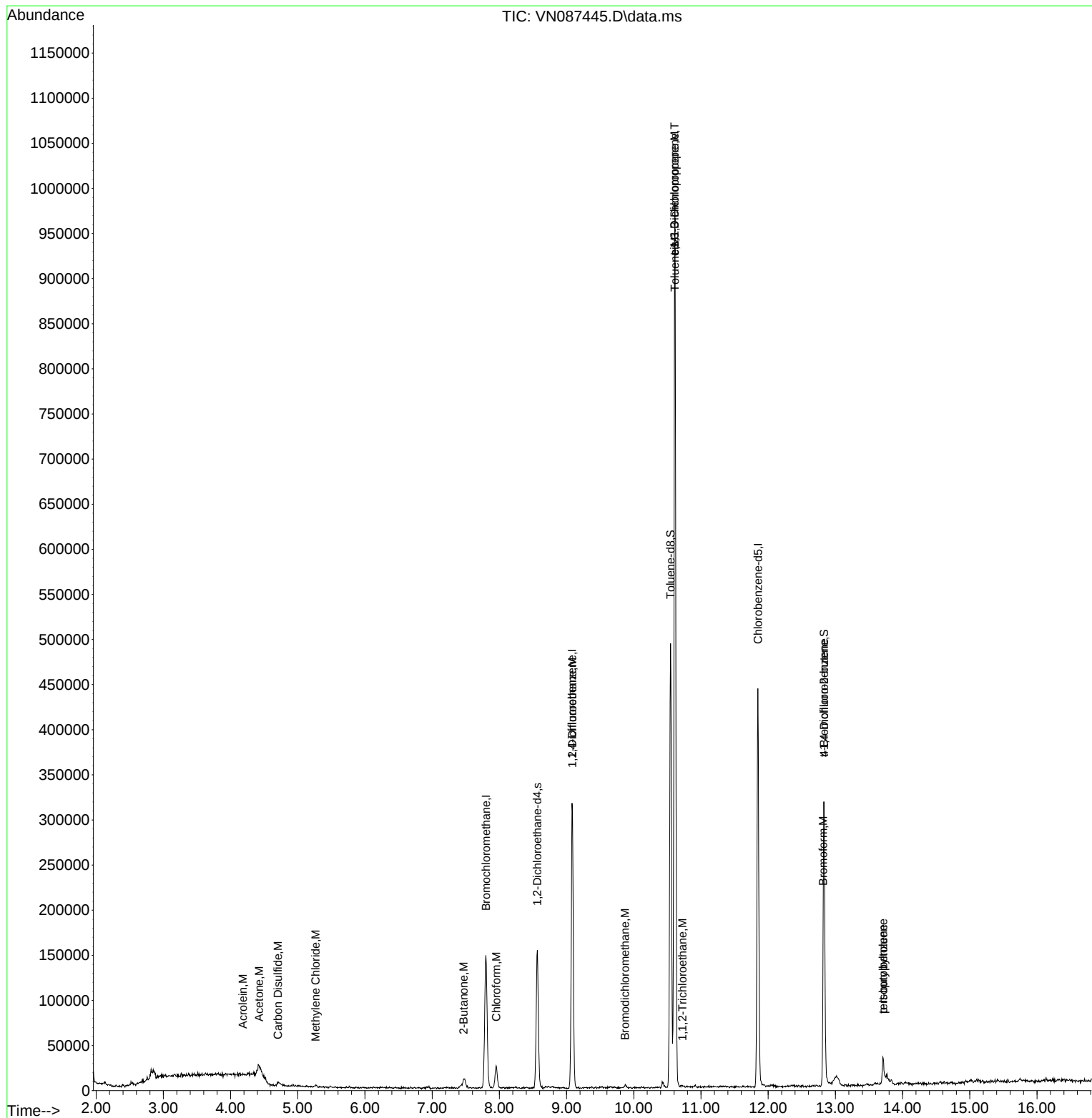
Internal Standards						
1) Bromochloromethane	7.800	128	45845	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	265372	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	233679	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	115591	32.972	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 109.900%	
60) 4-Bromofluorobenzene	12.829	95	106701	27.806	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 92.700%	
63) Toluene-d8	10.547	98	323951	30.187	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.633%	
Target Compounds						Qvalue
13) Acrolein	4.183	56	456	1.307	ug/l	91
15) Acetone	4.424	58	5183	12.060	ug/l	79
16) Carbon Disulfide	4.706	76	2441	0.350	ug/l #	88
18) Methylene Chloride	5.265	84	693	0.235	ug/l #	28
25) Chloroform	7.953	83	21526	4.046	ug/l	93
30) 2-Butanone	7.471	43	8652	3.170	ug/l #	88
36) 1,2-Dichloroethane	9.088	62	10115	2.467	ug/l #	100
41) Bromodichloromethane	9.871	83	2281	0.515	ug/l #	85
48) t-1,3-Dichloropropene	10.606	75	5218	1.047	ug/l #	1
49) cis-1,3-Dichloropropene	10.606	75	5218	0.997	ug/l #	1
50) 1,1,2-Trichloroethane	10.723	97	625	0.213	ug/l #	30
56) Bromoform	12.817	173	698	0.296	ug/l #	36
62) Toluene	10.612	91	724672	54.950	ug/l	99
77) t-1,4-Dichloro-2-butene	12.829	75	60199	33.711	ug/l #	14
79) tert-butylbenzene	13.711	119	16743	1.724	ug/l	61
82) p-Isopropyltoluene	13.711	119	16743	1.430	ug/l	98

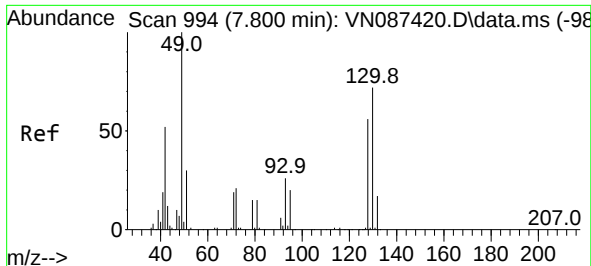
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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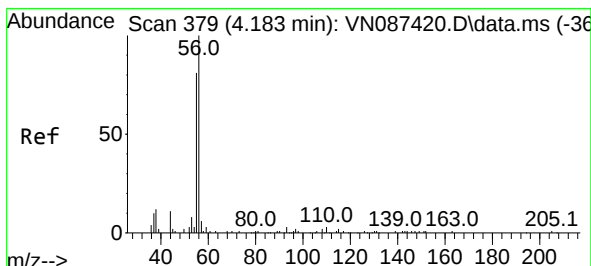
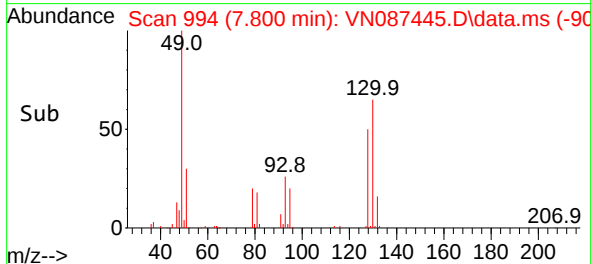
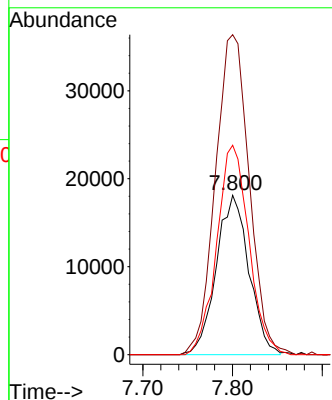
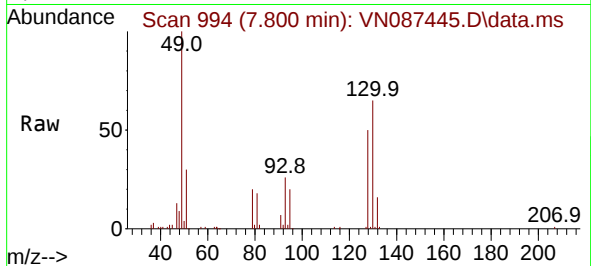




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

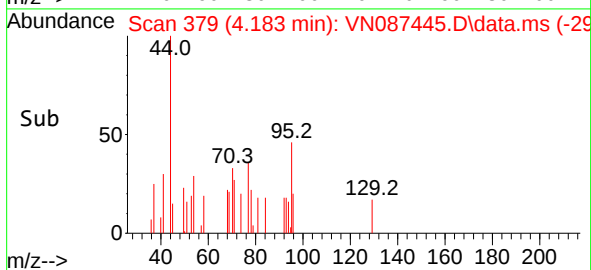
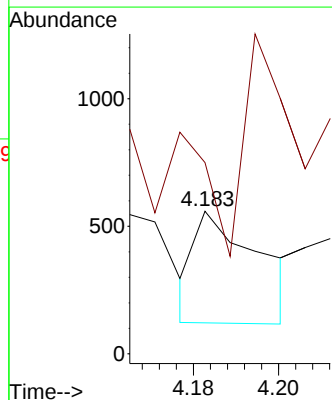
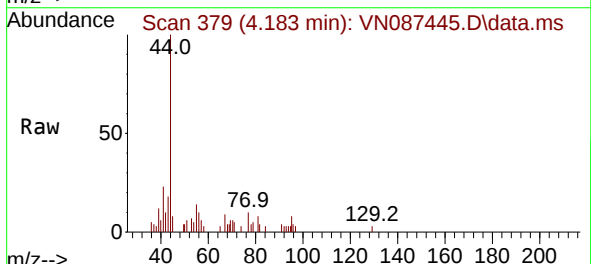
Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)DL

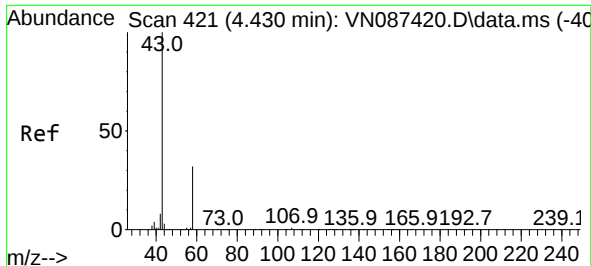
Tgt Ion:128 Resp: 45845
Ion Ratio Lower Upper
128 100
49 207.7 0.0 457.3
130 129.2 0.0 316.0



#13
Acrolein
Concen: 1.307 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.000 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

Tgt Ion: 56 Resp: 456
Ion Ratio Lower Upper
56 100
55 66.2 58.9 88.3

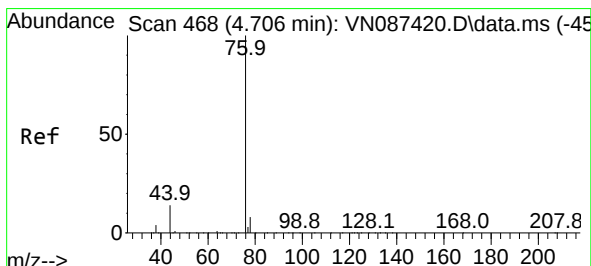
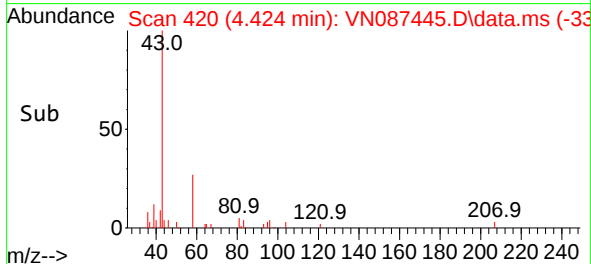
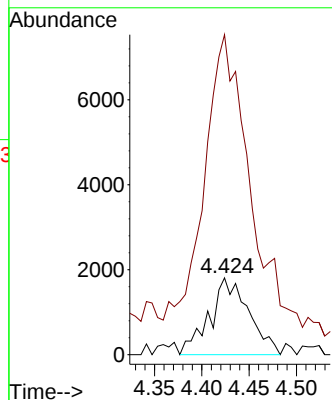
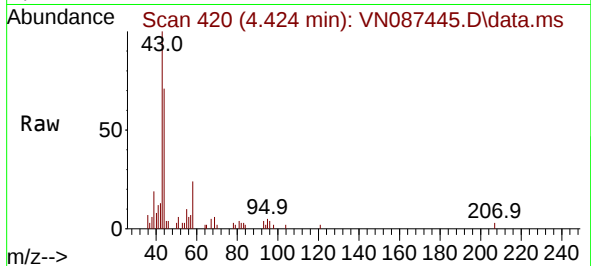




#15
Acetone
Concen: 12.060 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

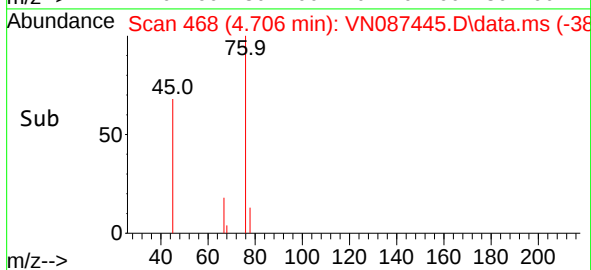
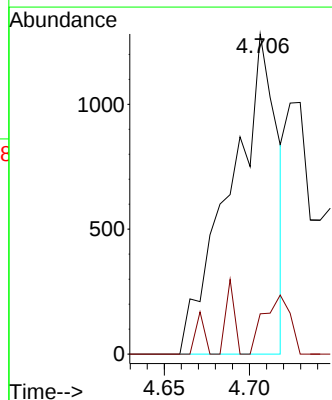
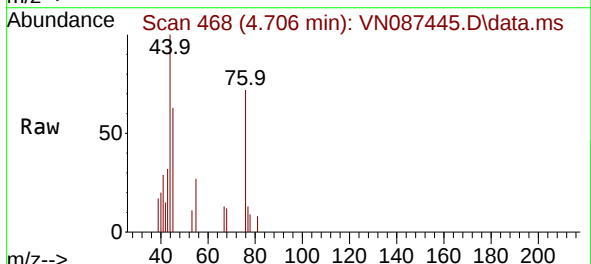
Instrument :
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ClientSampleId :
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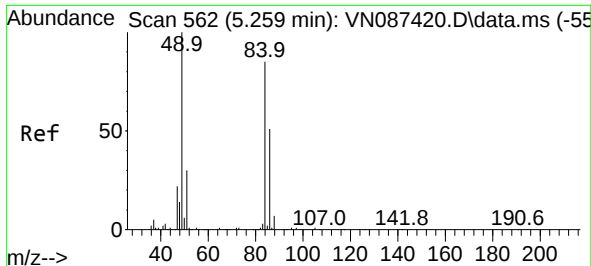
Tgt Ion: 58 Resp: 5183
Ion Ratio Lower Upper
58 100
43 352.7 248.4 372.6



#16
Carbon Disulfide
Concen: 0.350 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

Tgt Ion: 76 Resp: 2441
Ion Ratio Lower Upper
76 100
78 12.6 6.6 10.0#

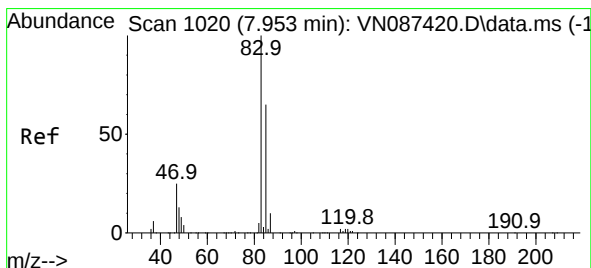
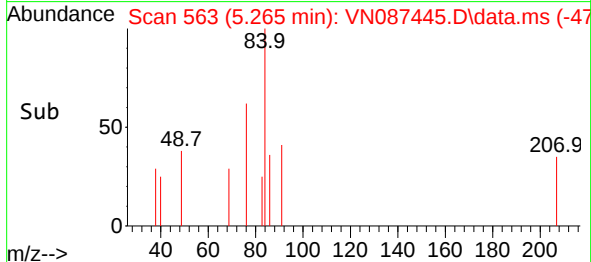
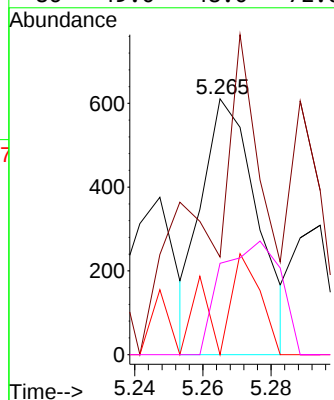
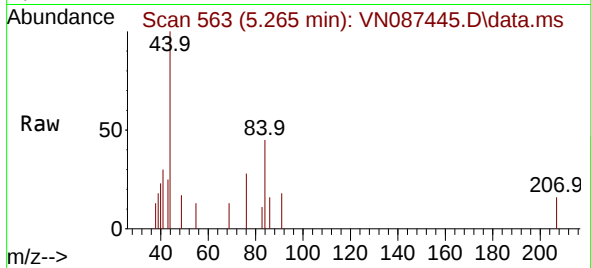




#18
Methylene Chloride
Concen: 0.235 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

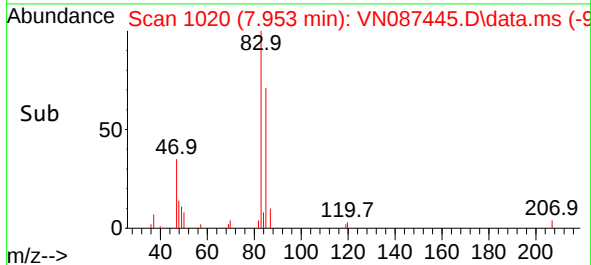
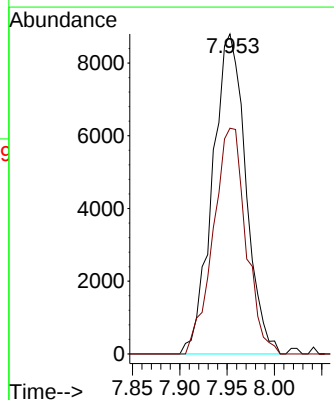
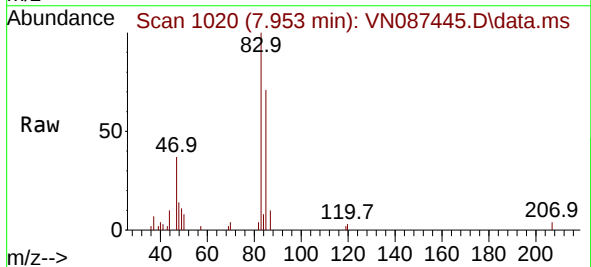
Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)DL

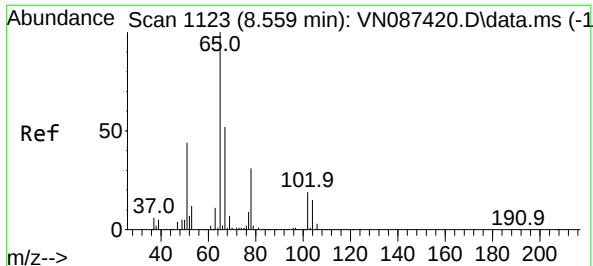
Tgt Ion:	84	Resp:	693
Ion	Ratio	Lower	Upper
84	100		
49	2.7	93.5	140.3#
51	0.0	28.0	42.0#
86	49.0	48.0	72.0



#25
Chloroform
Concen: 4.046 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

Tgt Ion:	83	Resp:	21526
Ion	Ratio	Lower	Upper
83	100		
85	70.6	52.0	78.0





#27

1,2-Dichloroethane-d4

Concen: 32.972 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087445.D

Acq: 30 Jul 2025 15:12

Instrument :

MSVOA_N

ClientSampleId :

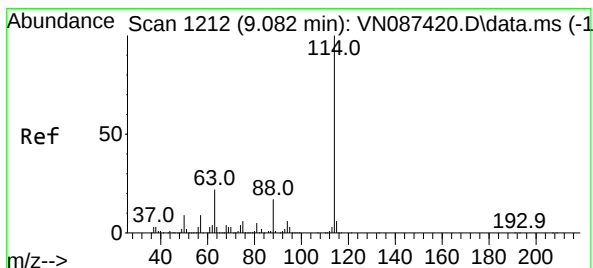
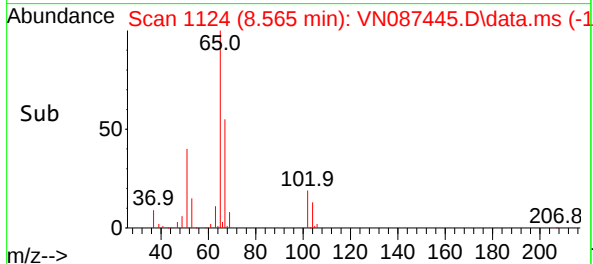
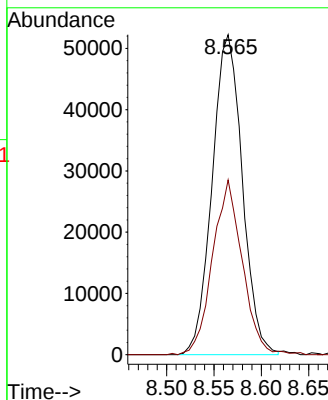
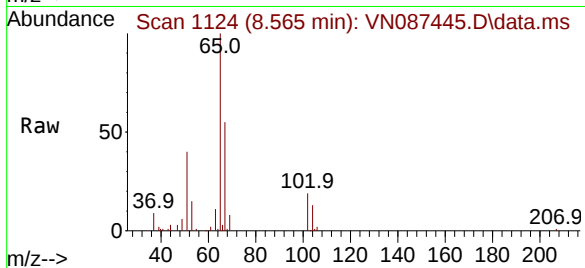
001 willets Pt Blvd(july)DL

Tgt Ion: 65 Resp: 115591

Ion Ratio Lower Upper

65 100

67 53.2 42.3 63.5



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087445.D

Acq: 30 Jul 2025 15:12

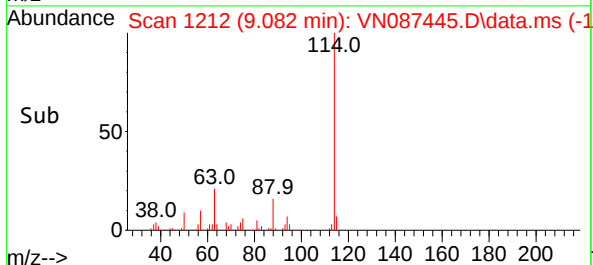
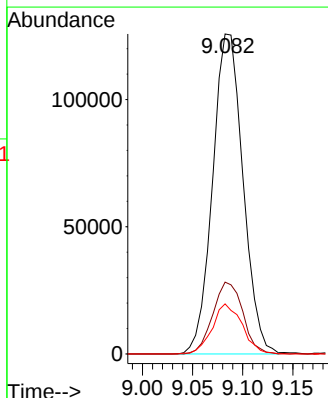
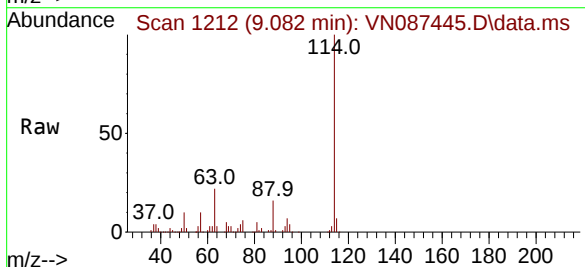
Tgt Ion: 114 Resp: 265372

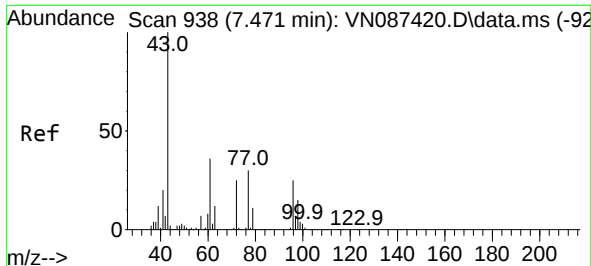
Ion Ratio Lower Upper

114 100

63 22.1 17.8 26.6

88 15.4 13.0 19.4

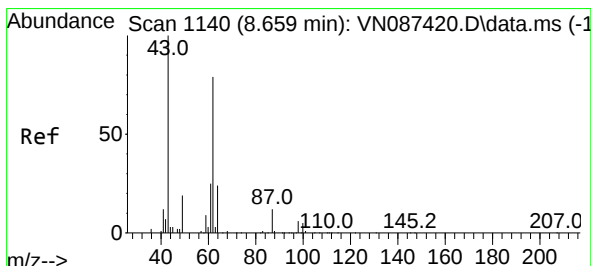
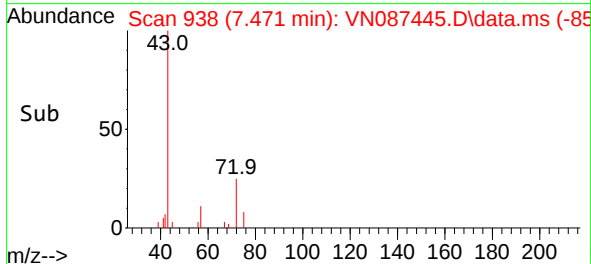
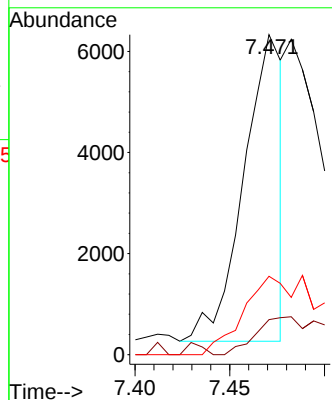
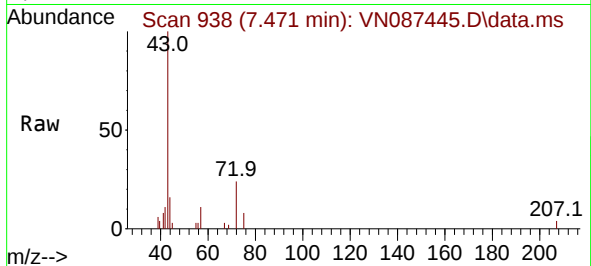




#30
2-Butanone
Concen: 3.170 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

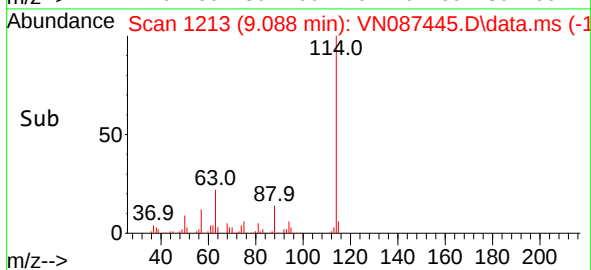
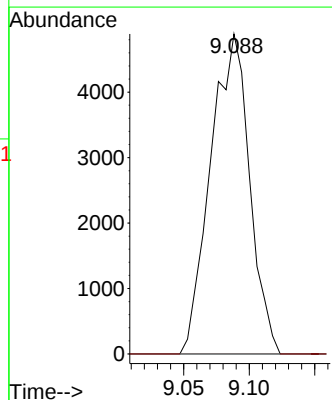
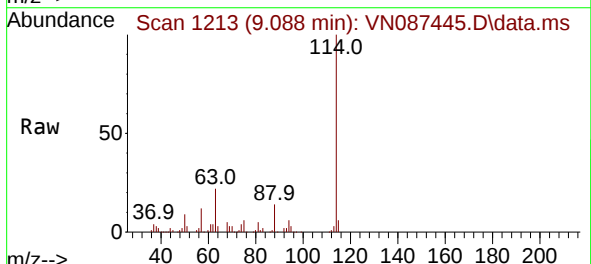
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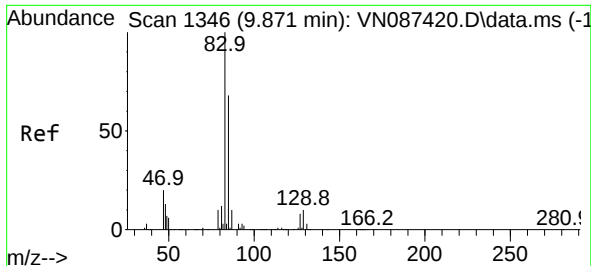
Tgt Ion: 43 Resp: 8652
Ion Ratio Lower Upper
43 100
57 14.4 6.0 9.0#
72 30.6 20.3 30.5#



#36
1,2-Dichloroethane
Concen: 2.467 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. 0.429 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

Tgt Ion: 62 Resp: 10115
Ion Ratio Lower Upper
62 100
98 0.0 0.2 0.2#

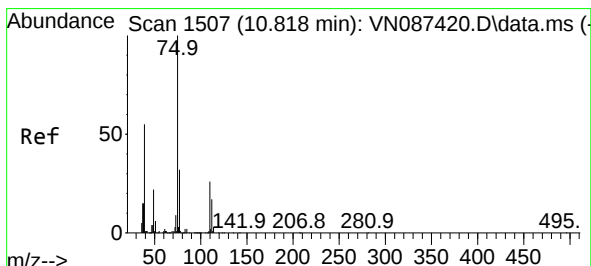
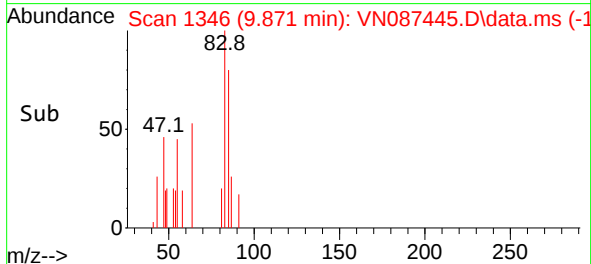
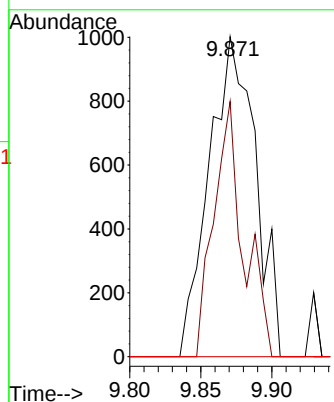
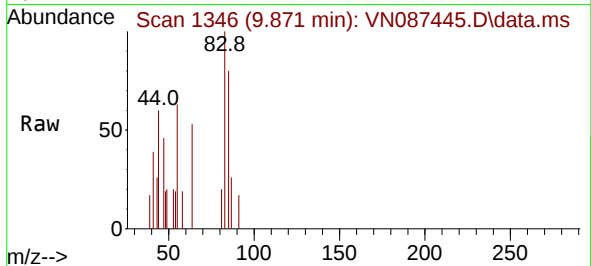




#41
Bromodichloromethane
Concen: 0.515 ug/l
RT: 9.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

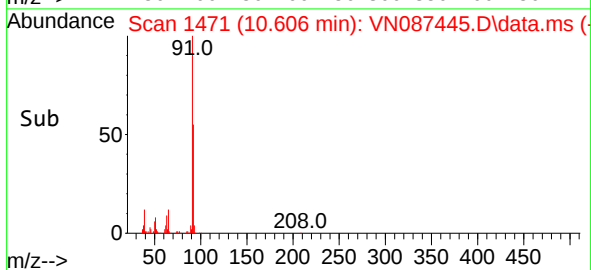
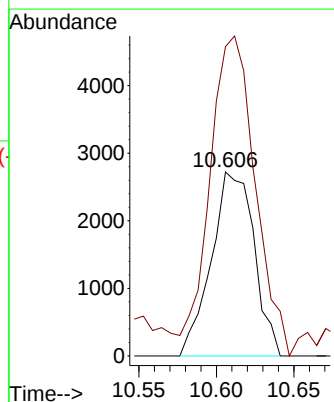
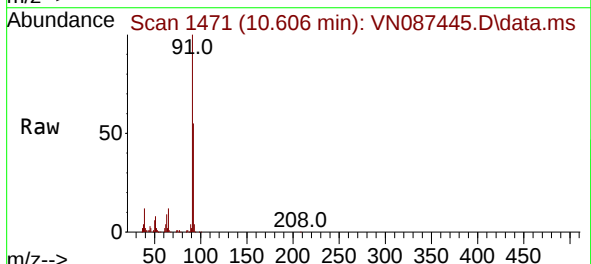
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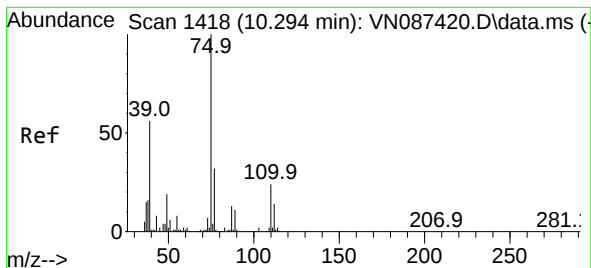
Tgt Ion: 83 Resp: 2281
Ion Ratio Lower Upper
83 100
85 79.7 54.5 81.7
127 0.0 6.6 10.0#



#48
t-1,3-Dichloropropene
Concen: 1.047 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.212 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

Tgt Ion: 75 Resp: 5218
Ion Ratio Lower Upper
75 100
77 157.0 25.4 38.2#





#49

cis-1,3-Dichloropropene

Concen: 0.997 ug/l

RT: 10.606 min Scan# 1418

Delta R.T. 0.312 min

Lab File: VN087445.D

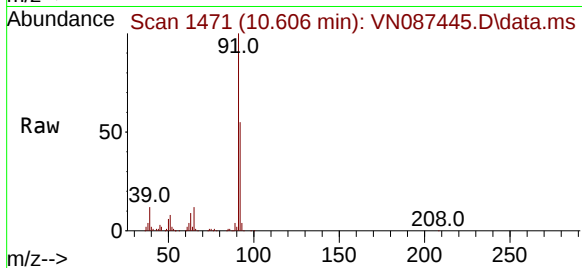
Acq: 30 Jul 2025 15:12

Instrument :

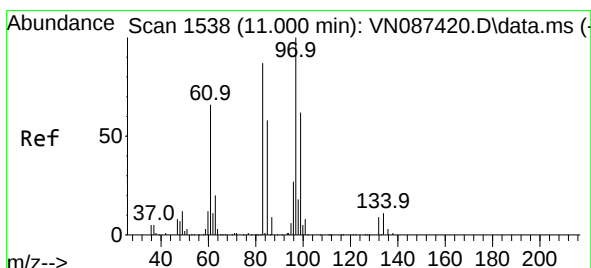
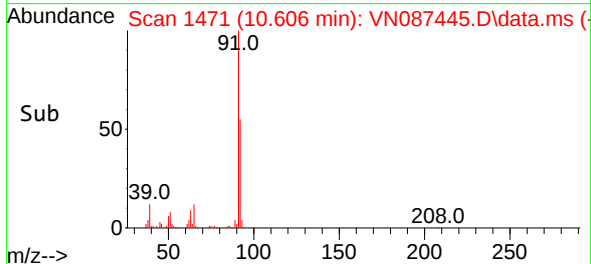
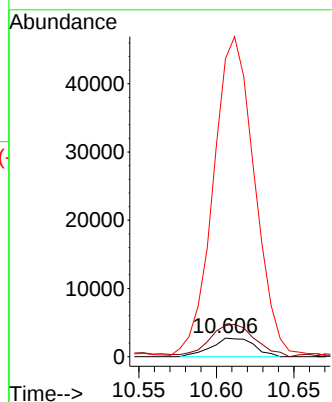
MSVOA_N

ClientSampleId :

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Tgt Ion:	75	Resp:	5218
Ion Ratio	Lower	Upper	
75	100		
77	157.0	26.1	39.1#
39	1561.3	45.0	67.4#



#50

1,1,2-Trichloroethane

Concen: 0.213 ug/l

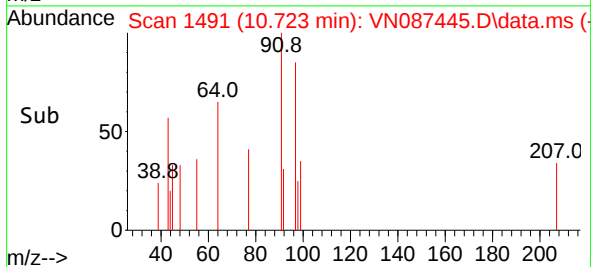
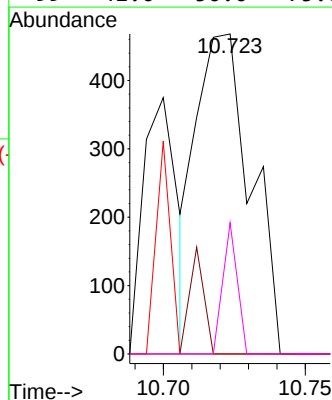
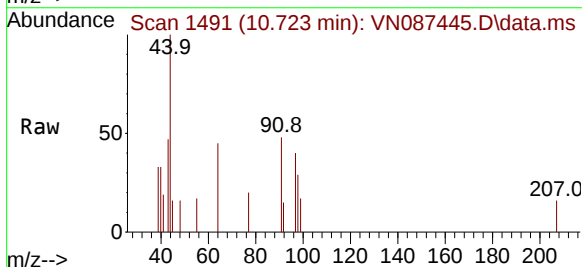
RT: 10.723 min Scan# 1491

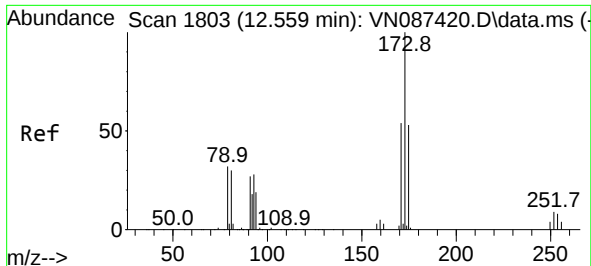
Delta R.T. -0.277 min

Lab File: VN087445.D

Acq: 30 Jul 2025 15:12

Tgt Ion:	97	Resp:	625
Ion Ratio	Lower	Upper	
97	100		
83	0.0	70.0	105.0#
85	0.0	46.2	69.2#
99	41.0	50.0	75.0#

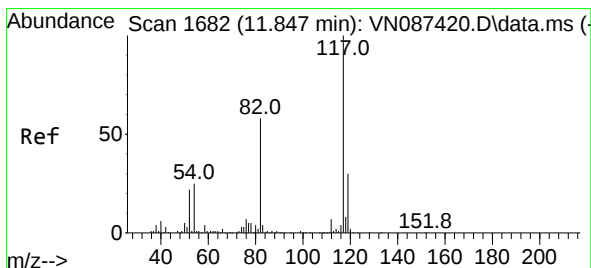
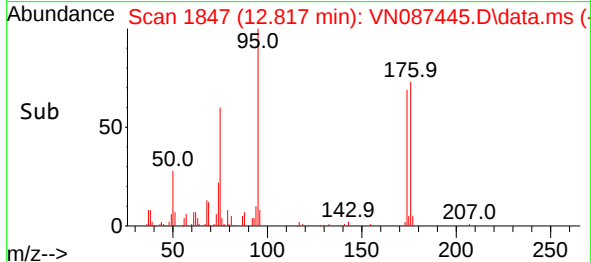
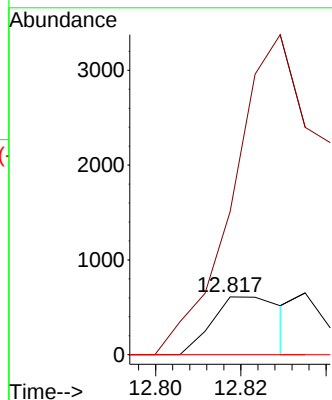
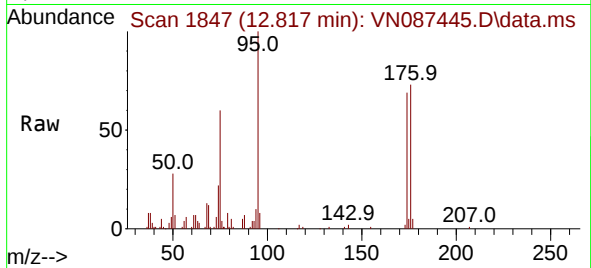




#56
Bromoform
Concen: 0.296 ug/l
RT: 12.817 min Scan# 1847
Delta R.T. 0.259 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

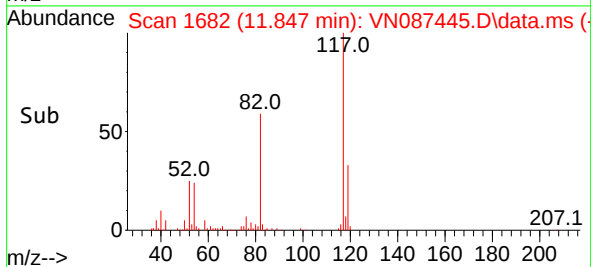
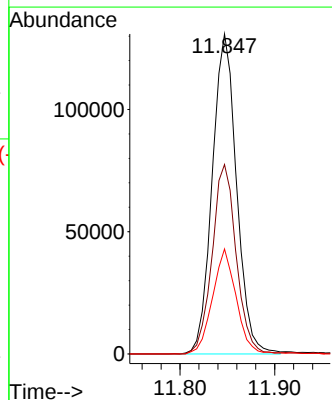
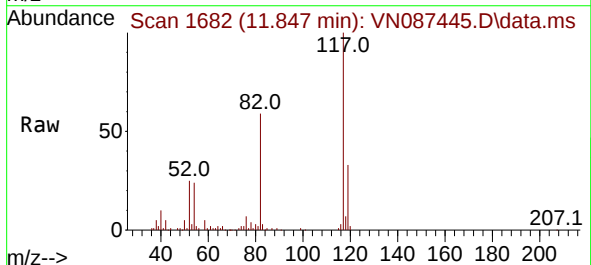
Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)DL

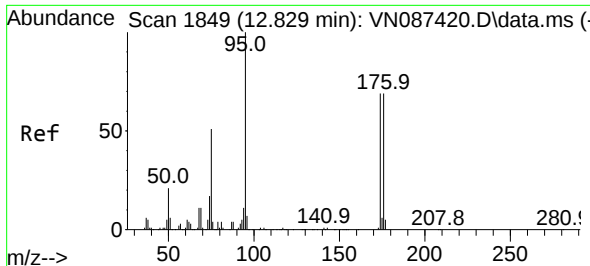
Tgt Ion:173 Resp: 698
Ion Ratio Lower Upper
173 100
175 0.0 38.4 57.6#
254 0.0 6.4 9.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

Tgt Ion:117 Resp: 233679
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 32.0 25.7 38.5

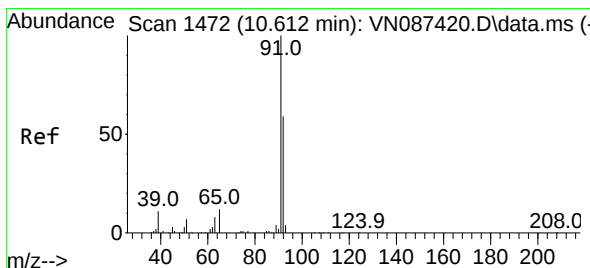
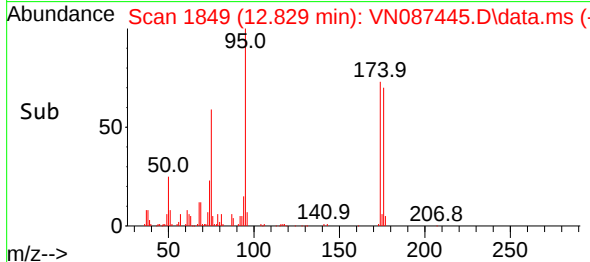
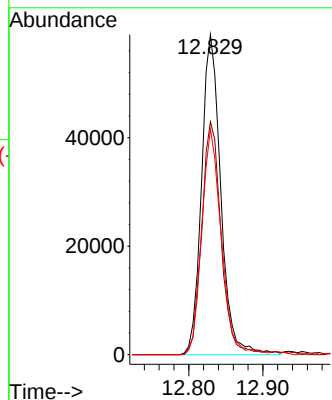
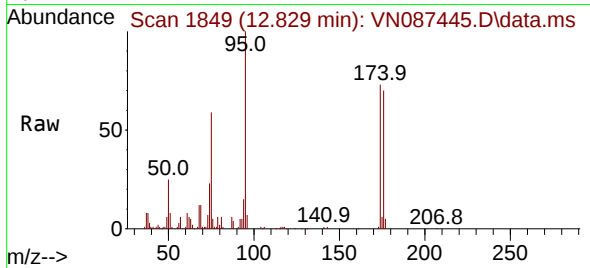




#60
4-Bromofluorobenzene
Concen: 27.806 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

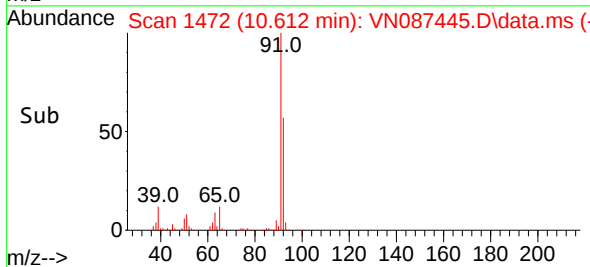
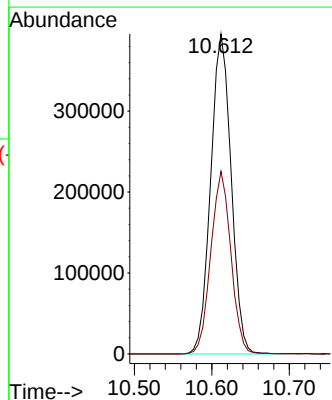
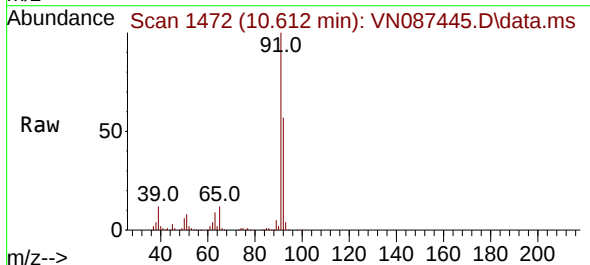
Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)DL

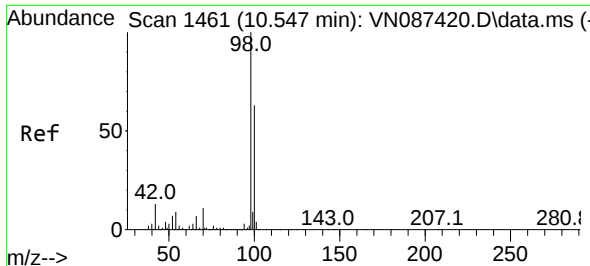
Tgt Ion: 95 Resp: 106701
Ion Ratio Lower Upper
95 100
174 73.2 57.8 86.8
176 71.0 54.9 82.3



#62
Toluene
Concen: 54.950 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

Tgt Ion: 91 Resp: 724672
Ion Ratio Lower Upper
91 100
92 56.0 45.6 68.4

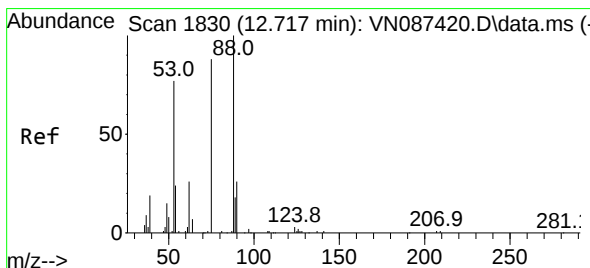
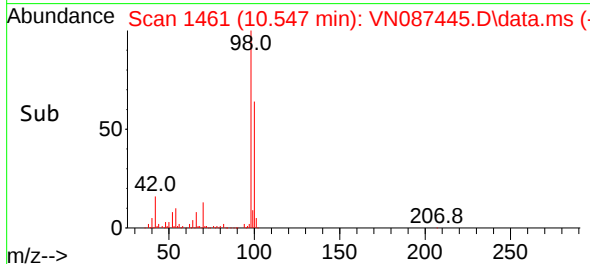
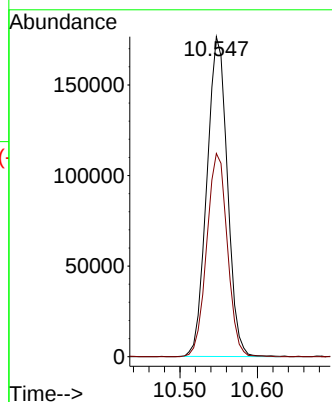
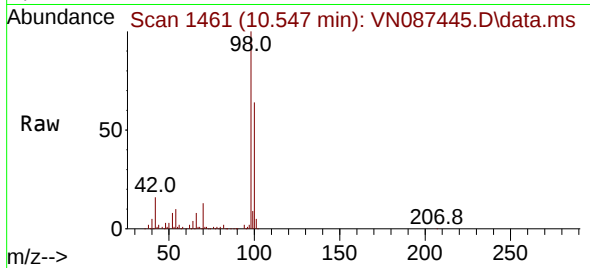




#63
Toluene-d8
Concen: 30.187 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

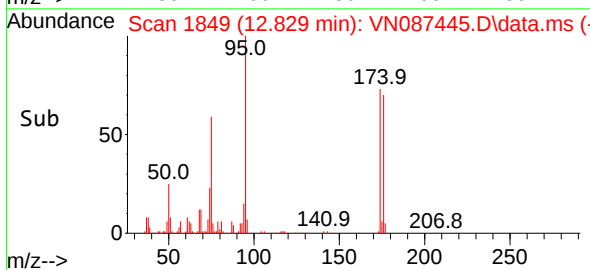
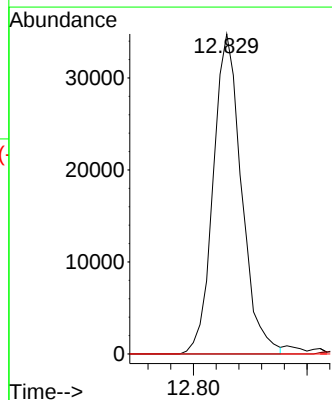
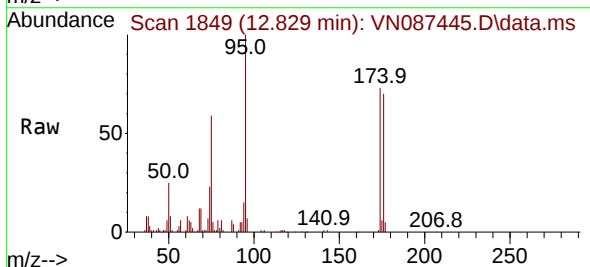
Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)DL

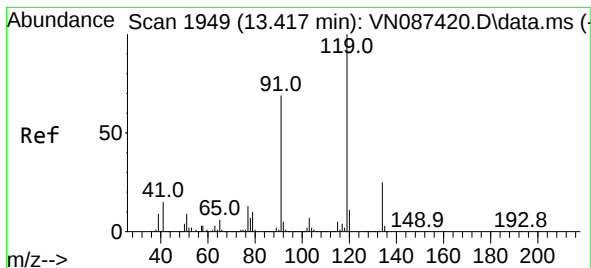
Tgt Ion: 98 Resp: 323951
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1



#77
t-1,4-Dichloro-2-butene
Concen: 33.711 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087445.D
Acq: 30 Jul 2025 15:12

Tgt Ion: 75 Resp: 60199
Ion Ratio Lower Upper
75 100
53 0.0 44.3 132.8#
89 0.0 22.4 67.3#





#79

tert-butylbenzene

Concen: 1.724 ug/l

RT: 13.711 min Scan# 1999

Delta R.T. 0.294 min

Lab File: VN087445.D

Acq: 30 Jul 2025 15:12

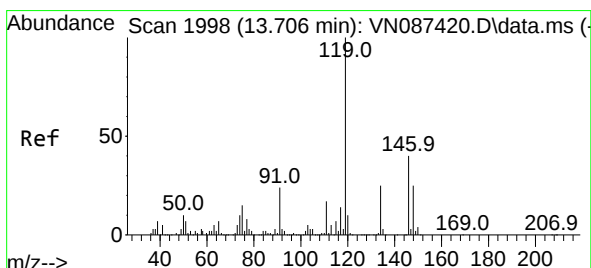
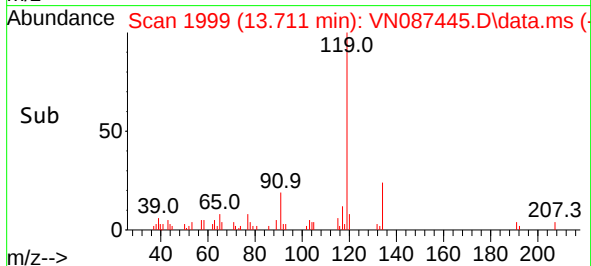
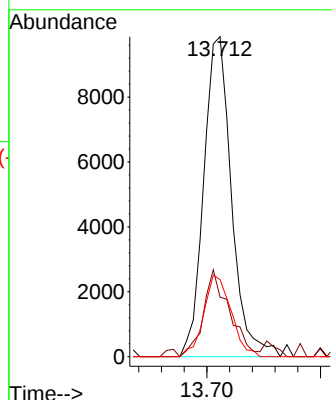
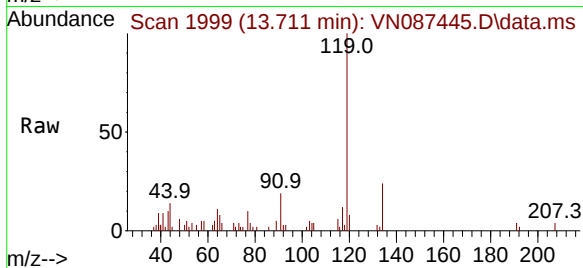
Instrument :

MSVOA_N

ClientSampleId :

001 willets Pt Blvd(july)DL

Tgt Ion:	119	Resp:	16743
Ion Ratio	Lower	Upper	
119	100		
91	25.6	0.0	135.4
134	25.1	0.0	49.2



#82

p-Isopropyltoluene

Concen: 1.430 ug/l

RT: 13.711 min Scan# 1999

Delta R.T. 0.006 min

Lab File: VN087445.D

Acq: 30 Jul 2025 15:12

Tgt Ion:	119	Resp:	16743
Ion Ratio	Lower	Upper	
119	100		
134	25.1	0.0	50.8
91	25.6	0.0	47.6

