

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088497.D
 Acq On : 10 Dec 2025 14:06
 Operator : JC\MD
 Sample : Q3809-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 11 02:07:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

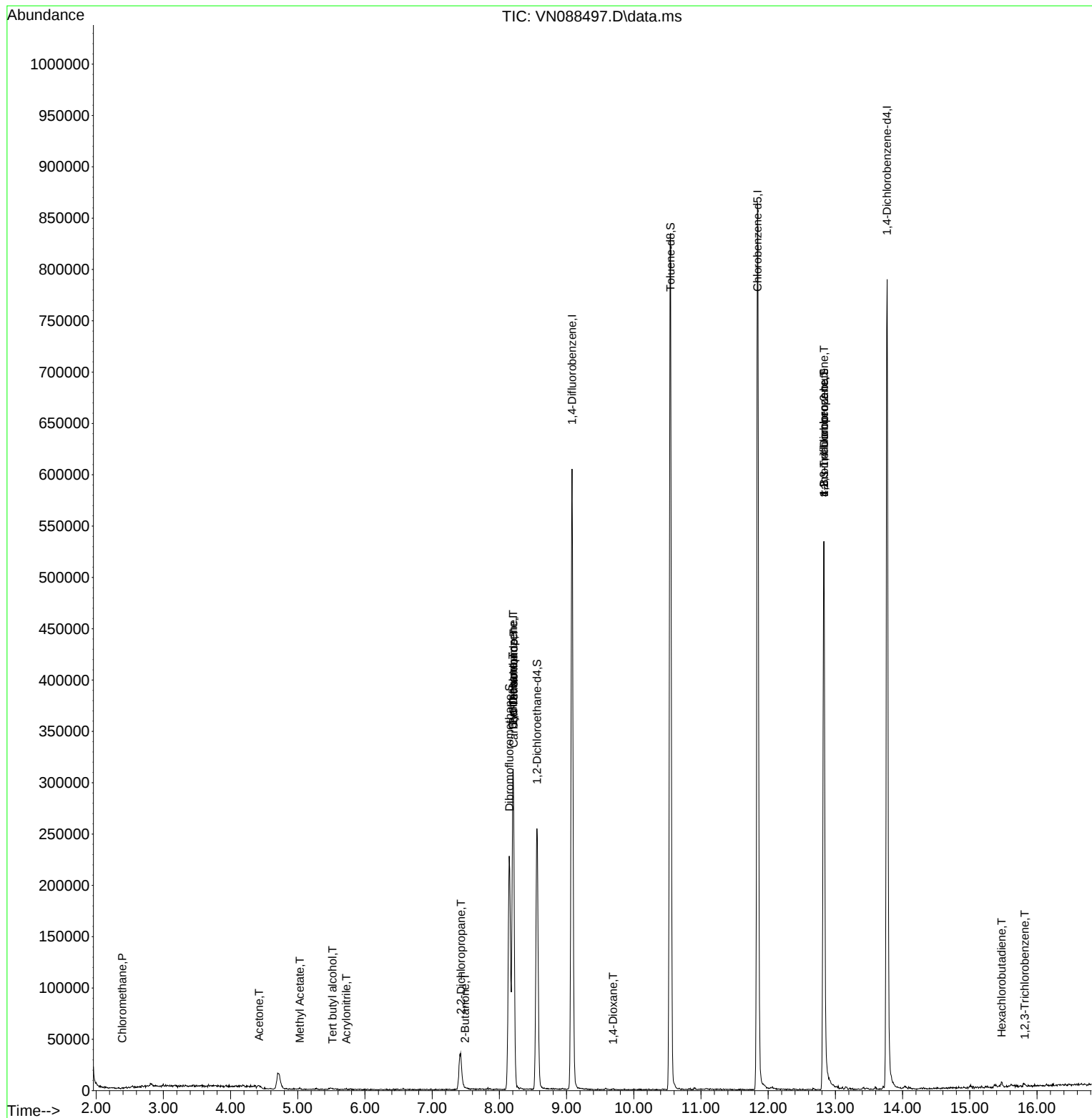
Internal Standards						
1) Pentafluorobenzene	8.206	168	200757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	473723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	469436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222851	58.926	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 117.860%		
35) Dibromofluoromethane	8.147	113	163831	49.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 99.800%		
50) Toluene-d8	10.547	98	555380	45.468	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 90.940%		
62) 4-Bromofluorobenzene	12.829	95	202531	48.324	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 96.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	757	0.234	ug/l #	73
11) Tert butyl alcohol	5.518	59	468	0.775	ug/l #	72
15) Acrylonitrile	5.724	53	542	0.311	ug/l #	29
16) Acetone	4.424	43	5606	4.099	ug/l	92
18) Methyl Acetate	5.030	43	1928	0.474	ug/l #	65
25) 2-Butanone	7.488	43	816	0.371	ug/l #	49
26) 2,2-Dichloropropane	7.430	77	2730	0.576	ug/l #	56
31) Cyclohexane	8.200	56	7294	1.466	ug/l #	32
36) 1,1-Dichloropropene	8.206	75	23216	4.582	ug/l #	51
38) Carbon Tetrachloride	8.212	117	25354	5.027	ug/l #	16
49) 1,4-Dioxane	9.694	88	228	3.860	ug/l #	11
76) 1,2,3-Trichloropropane	12.829	75	120798	24.936	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	120798	70.742	ug/l #	1
94) Hexachlorobutadiene	15.476	225	640	0.468	ug/l #	41
96) 1,2,3-Trichlorobenzene	15.817	180	965	0.260	ug/l #	73

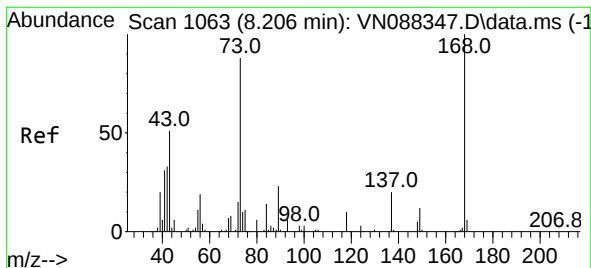
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.206 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088497.D

Acq: 10 Dec 2025 14:06

Instrument :

MSVOA_N

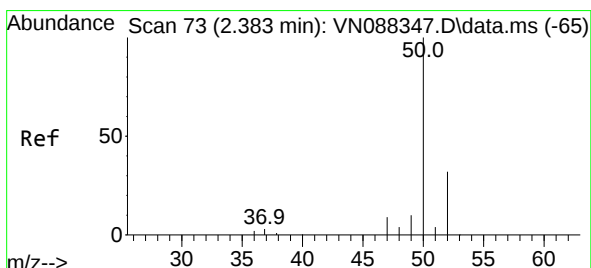
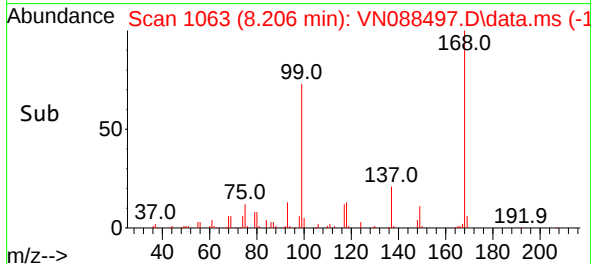
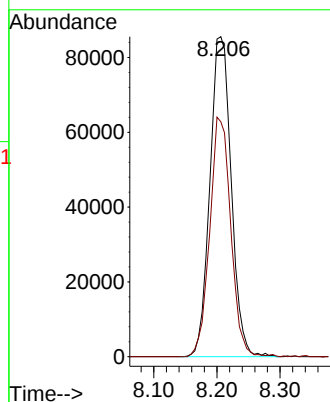
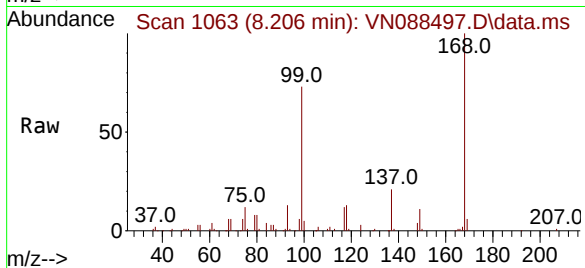
ClientSampleId :

Tgt Ion:168 Resp: 200757

Ion Ratio Lower Upper

168 100

99 73.4 57.1 85.7



#3

Chloromethane

Concen: 0.234 ug/l

RT: 2.389 min Scan# 74

Delta R.T. 0.006 min

Lab File: VN088497.D

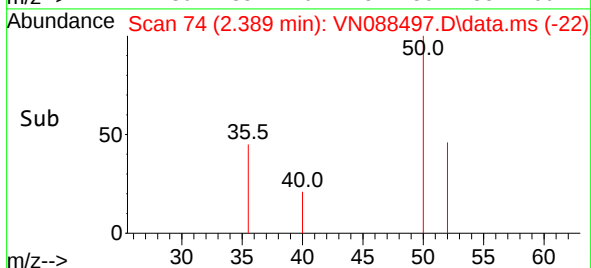
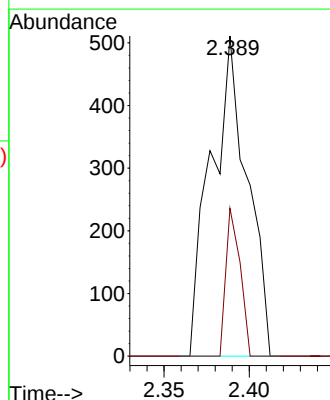
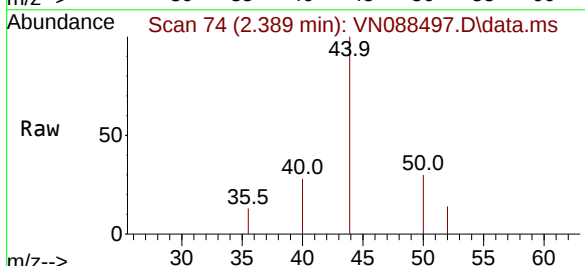
Acq: 10 Dec 2025 14:06

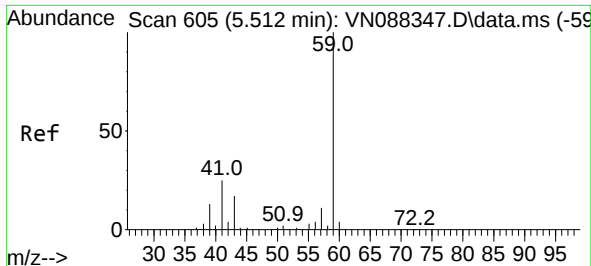
Tgt Ion: 50 Resp: 757

Ion Ratio Lower Upper

50 100

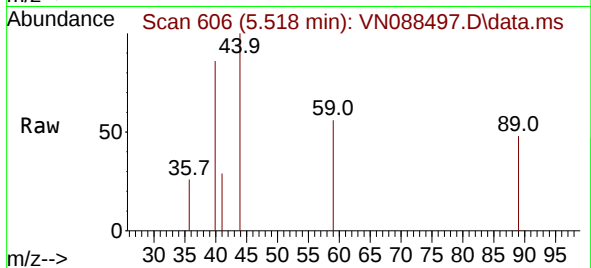
52 46.2 25.2 37.8#



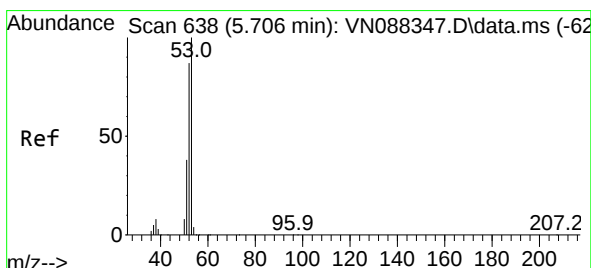
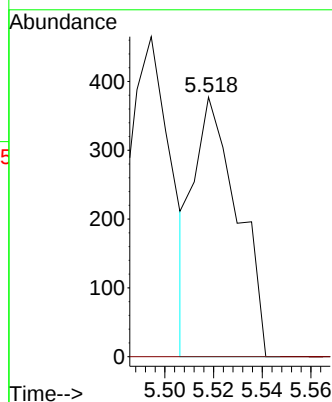
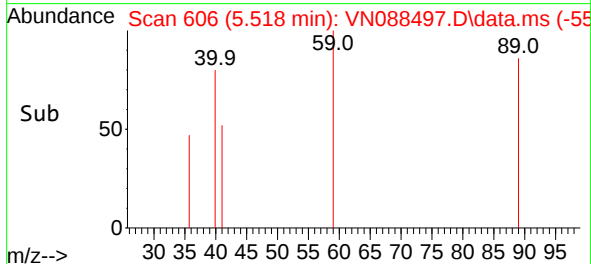


#11
Tert butyl alcohol
Concen: 0.775 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

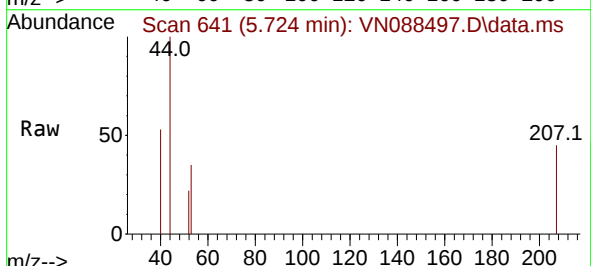
Instrument :
MSVOA_N
ClientSampleId :



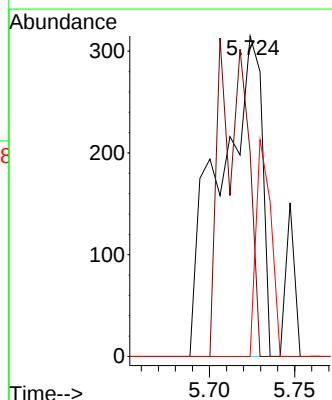
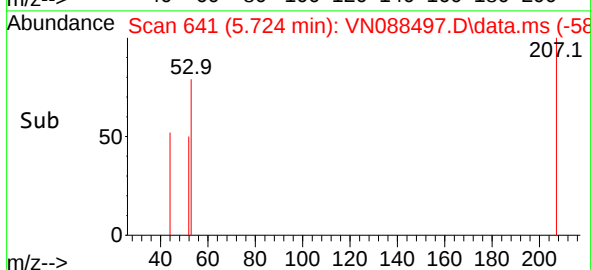
Tgt Ion: 59 Resp: 468
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

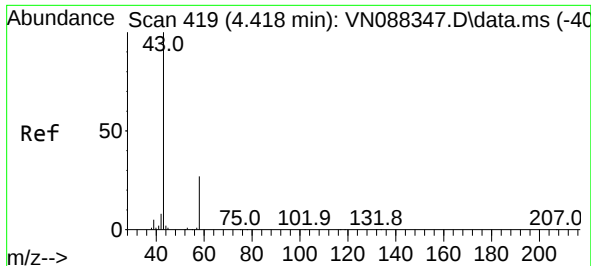


#15
Acrylonitrile
Concen: 0.311 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.018 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06



Tgt Ion: 53 Resp: 542
Ion Ratio Lower Upper
53 100
52 0.0 67.8 101.6#
51 23.8 29.8 44.8#

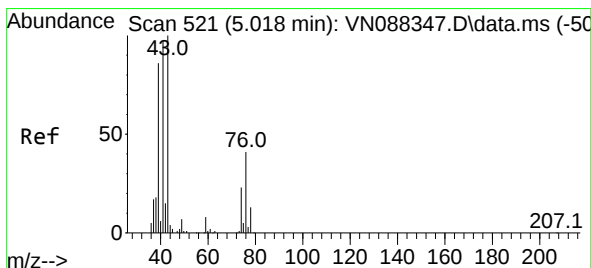
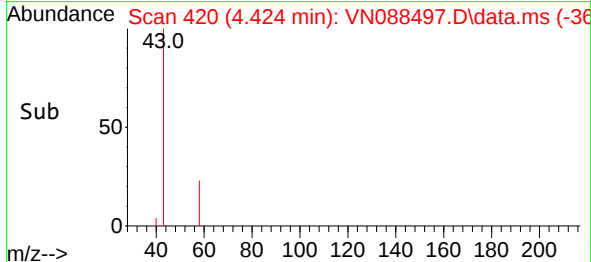
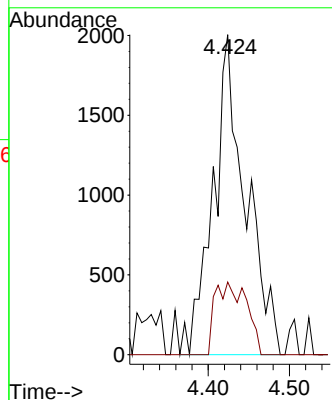
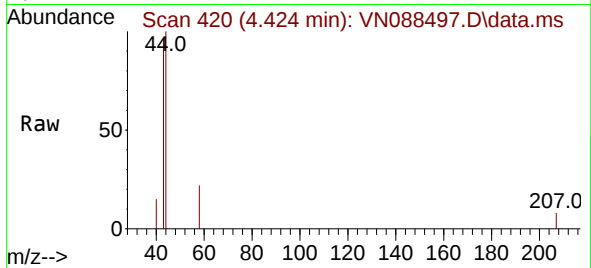




#16
Acetone
Concen: 4.099 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

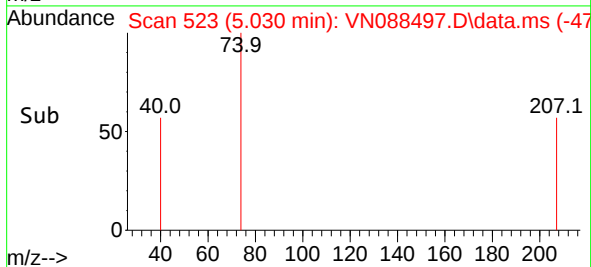
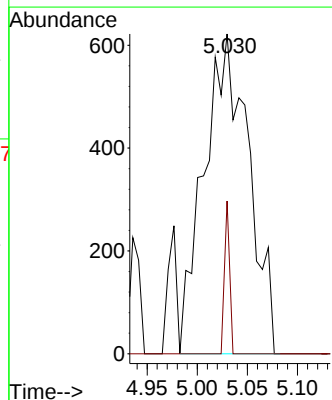
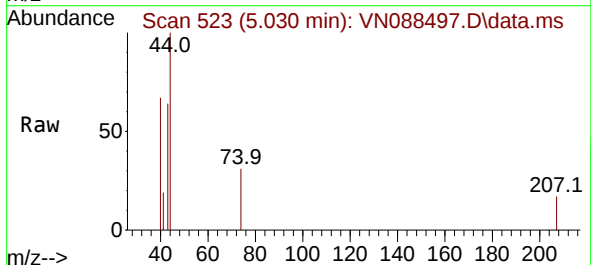
Instrument :
MSVOA_N
ClientSampleId :

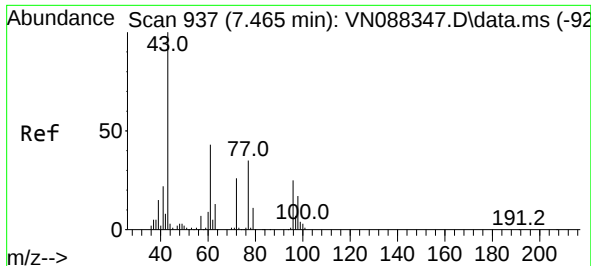
Tgt Ion: 43 Resp: 5606
Ion Ratio Lower Upper
43 100
58 22.7 21.7 32.5



#18
Methyl Acetate
Concen: 0.474 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

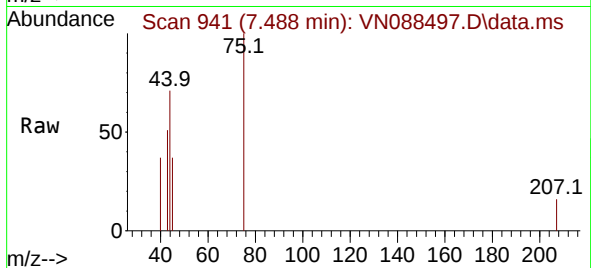
Tgt Ion: 43 Resp: 1928
Ion Ratio Lower Upper
43 100
74 5.4 17.9 26.9#



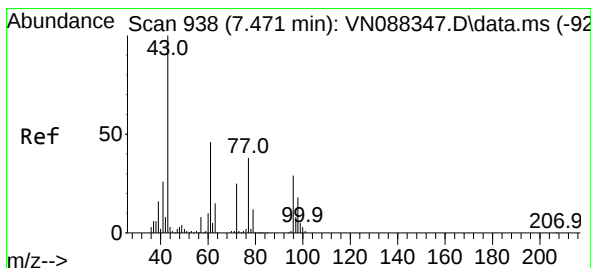
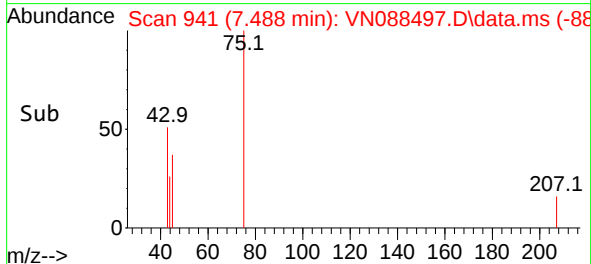


#25
2-Butanone
Concen: 0.371 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.024 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :

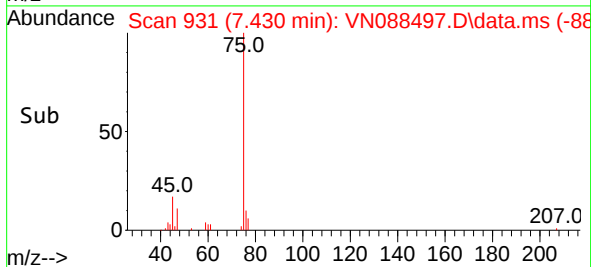
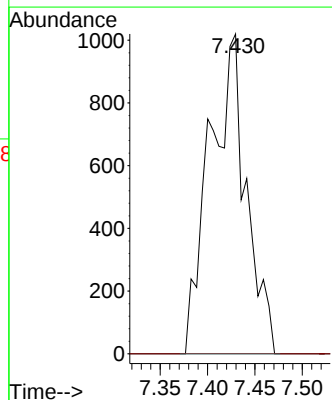
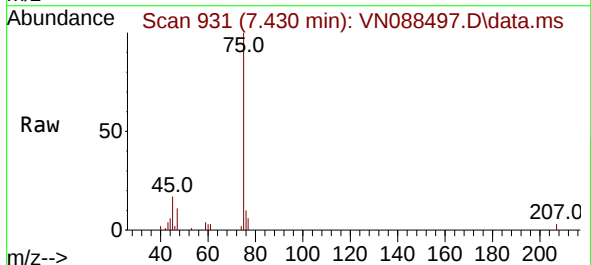


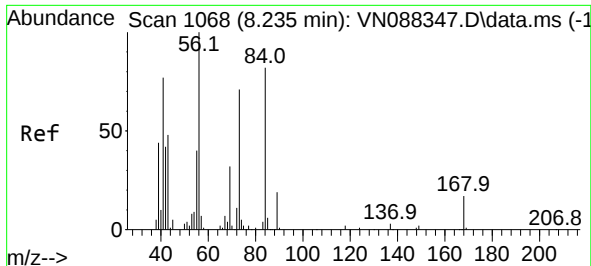
Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 0.576 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.041 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

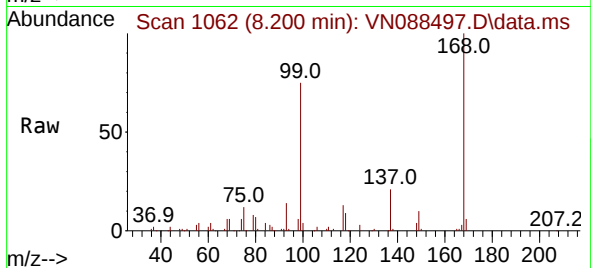
Tgt Ion: 77 Resp: 2730
Ion Ratio Lower Upper
77 100
97 0.0 10.3 30.9#



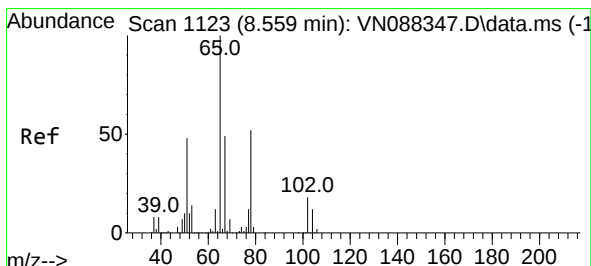
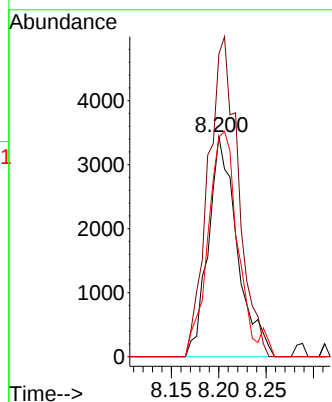
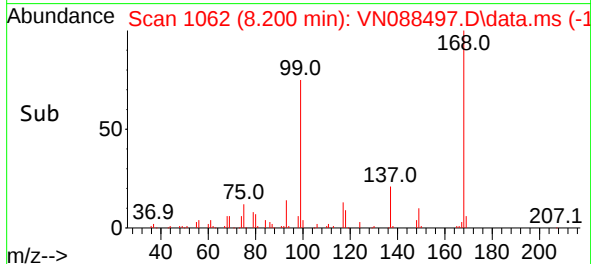


#31
Cyclohexane
Concen: 1.466 ug/l
RT: 8.200 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :

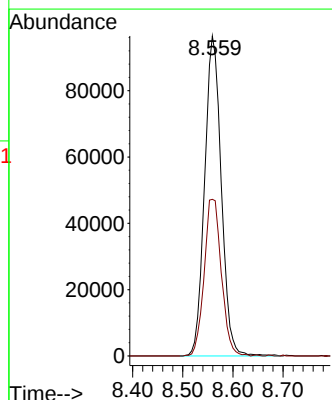
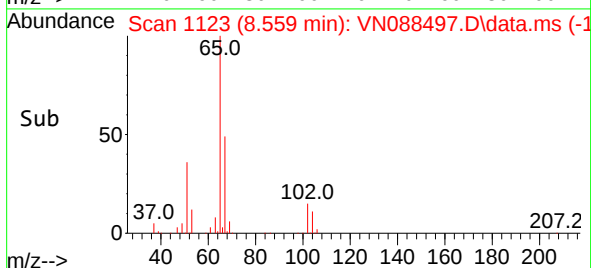
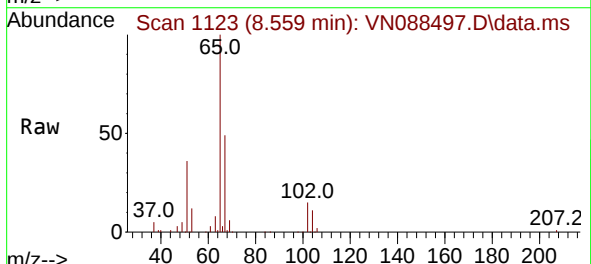


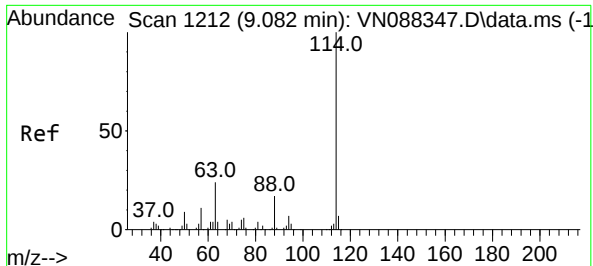
Tgt Ion: 56 Resp: 7294
Ion Ratio Lower Upper
56 100
69 137.6 25.3 37.9#
84 99.7 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 58.926 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

Tgt Ion: 65 Resp: 222851
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088497.D

Acq: 10 Dec 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

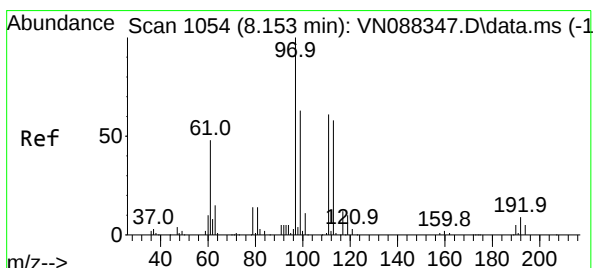
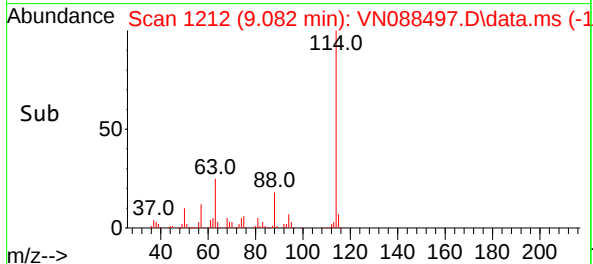
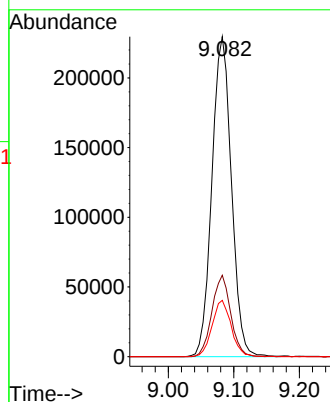
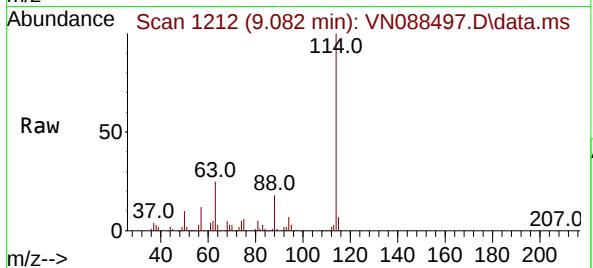
Tgt Ion:114 Resp: 473723

Ion Ratio Lower Upper

114 100

63 25.4 0.0 49.0

88 17.6 0.0 34.0



#35

Dibromofluoromethane

Concen: 49.905 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088497.D

Acq: 10 Dec 2025 14:06

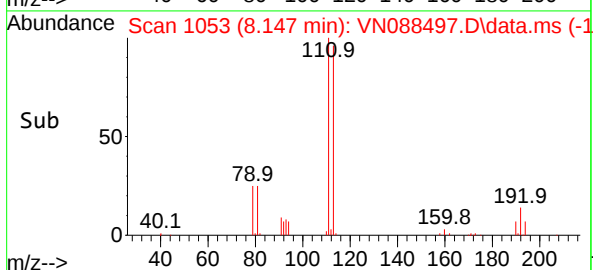
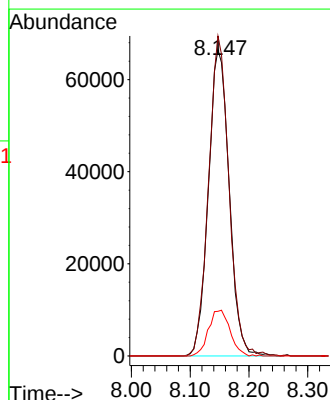
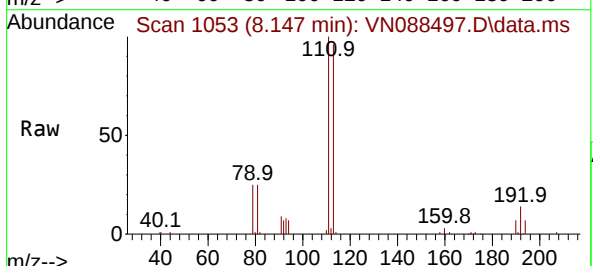
Tgt Ion:113 Resp: 163831

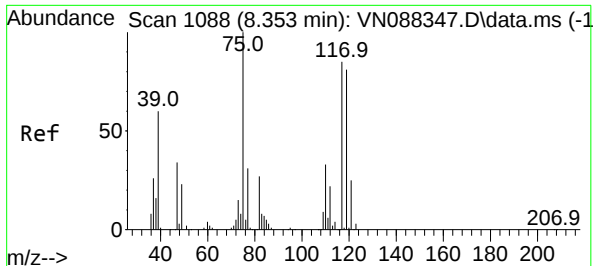
Ion Ratio Lower Upper

113 100

111 102.0 82.5 123.7

192 15.5 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.582 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088497.D

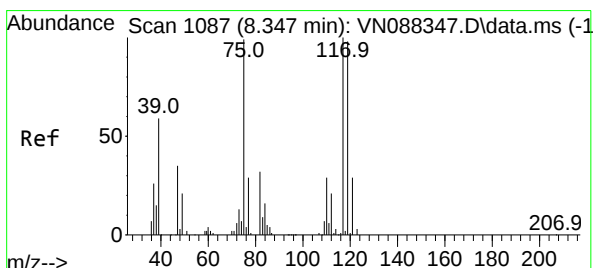
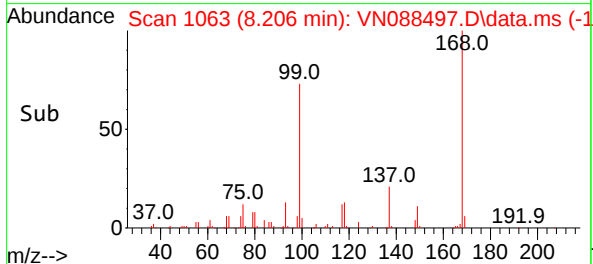
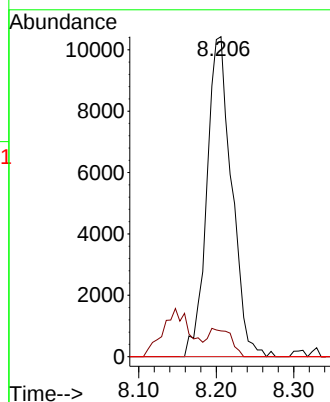
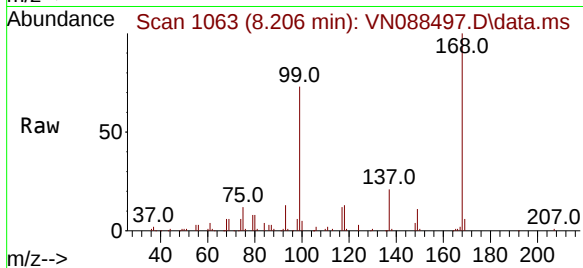
Acq: 10 Dec 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	23216
Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.8	47.4#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.027 ug/l

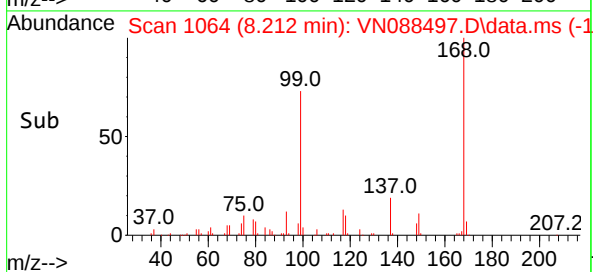
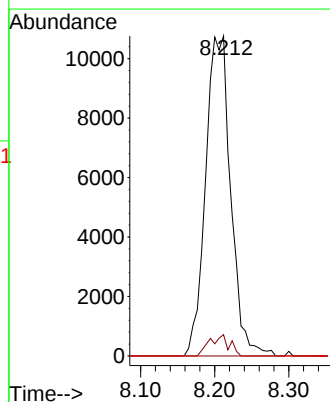
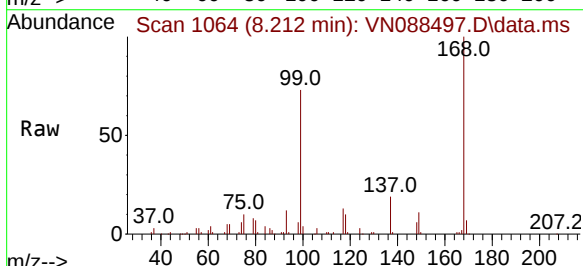
RT: 8.212 min Scan# 1064

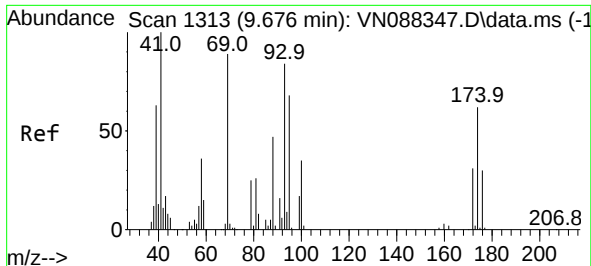
Delta R.T. -0.135 min

Lab File: VN088497.D

Acq: 10 Dec 2025 14:06

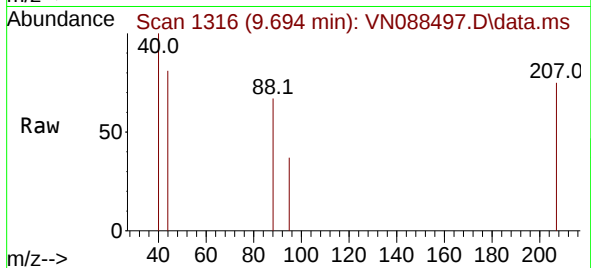
Tgt Ion:	117	Resp:	25354
Ion	Ratio	Lower	Upper
117	100		
119	6.7	78.2	117.4#
121	0.0	23.4	35.2#



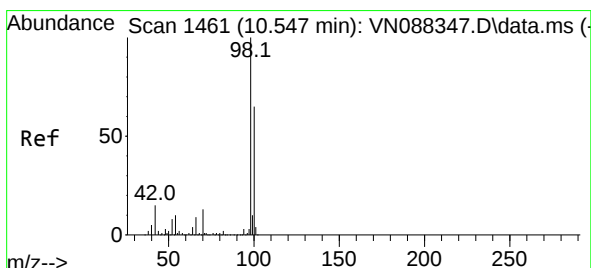
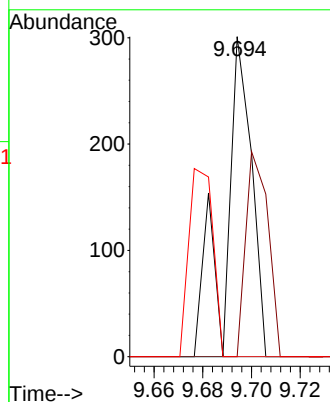
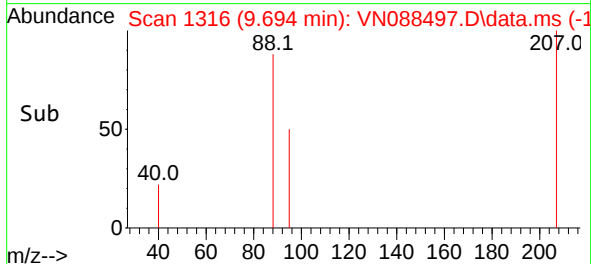


#49
1,4-Dioxane
Concen: 3.860 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.018 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :

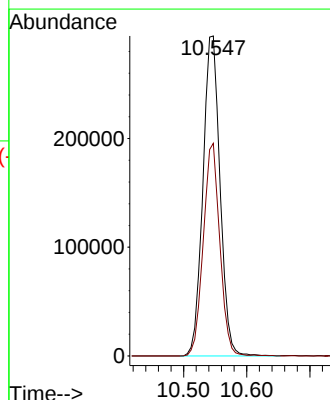
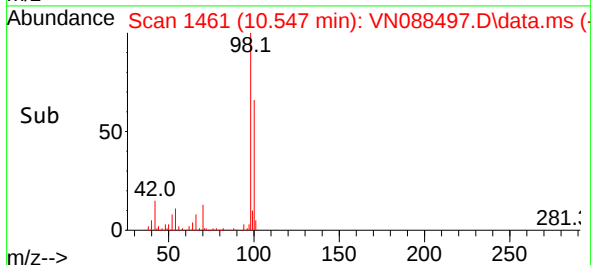
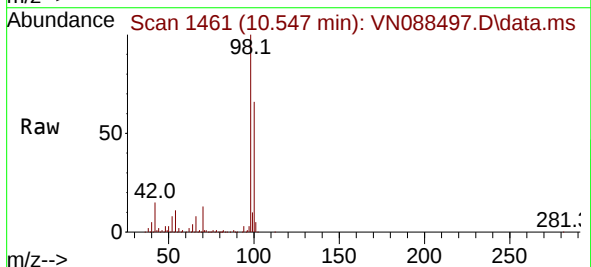


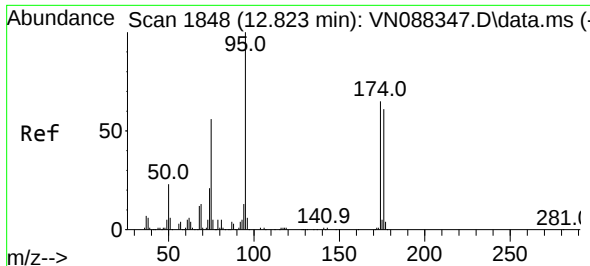
Tgt Ion: 88 Resp: 228
Ion Ratio Lower Upper
88 100
43 53.5 0.0 0.0#
58 0.0 62.0 93.0#



#50
Toluene-d8
Concen: 45.468 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

Tgt Ion: 98 Resp: 555380
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2

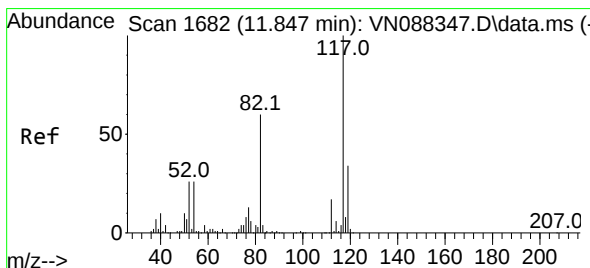
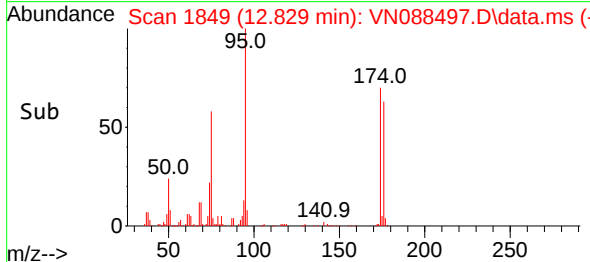
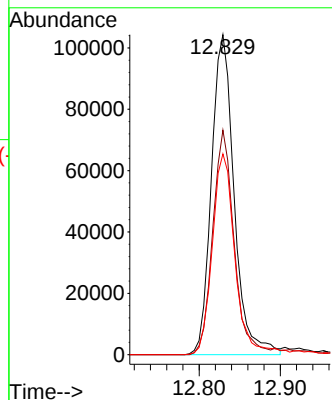
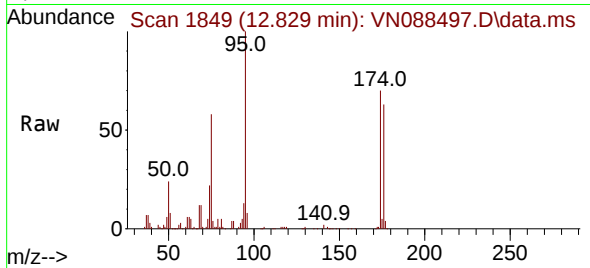




#62
4-Bromofluorobenzene
Concen: 48.324 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

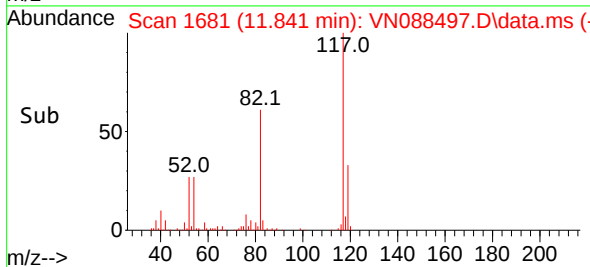
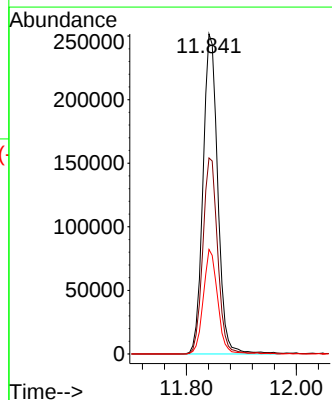
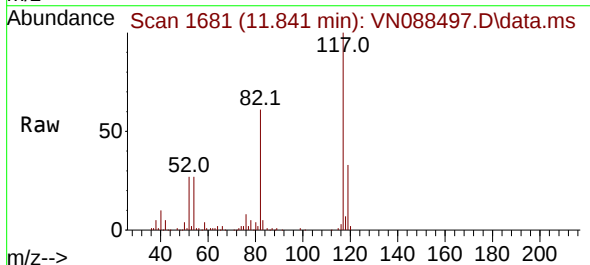
Instrument :
MSVOA_N
ClientSampleId :

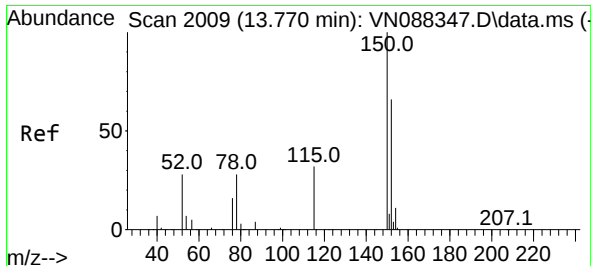
Tgt Ion: 95 Resp: 202531
Ion Ratio Lower Upper
95 100
174 66.7 0.0 139.0
176 62.7 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

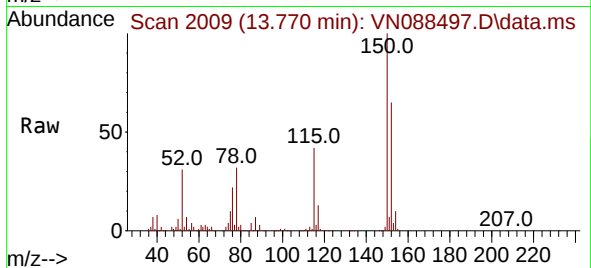
Tgt Ion: 117 Resp: 469436
Ion Ratio Lower Upper
117 100
82 61.3 47.8 71.8
119 32.7 26.9 40.3



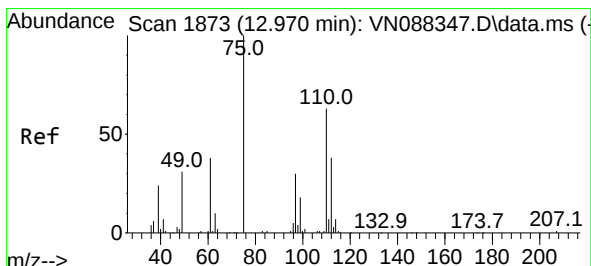
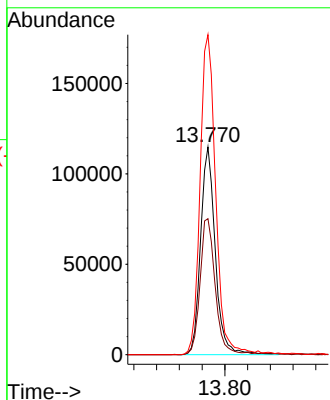
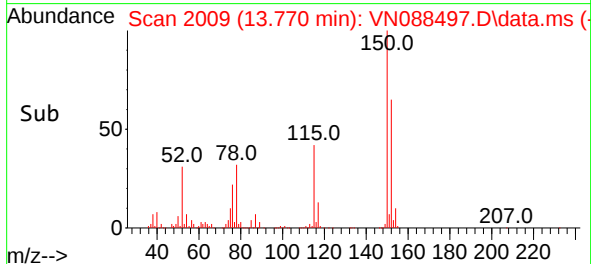


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088497.D
 Acq: 10 Dec 2025 14:06

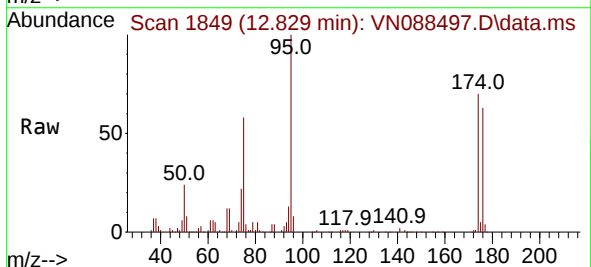
Instrument :
 MSVOA_N
 ClientSampleId :



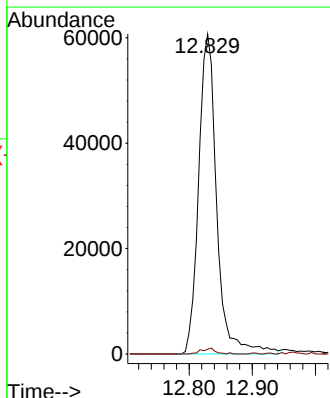
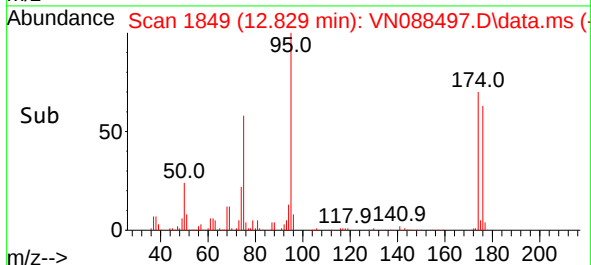
Tgt Ion:152 Resp: 206831
 Ion Ratio Lower Upper
 152 100
 115 67.6 33.0 98.9
 150 162.4 0.0 349.0

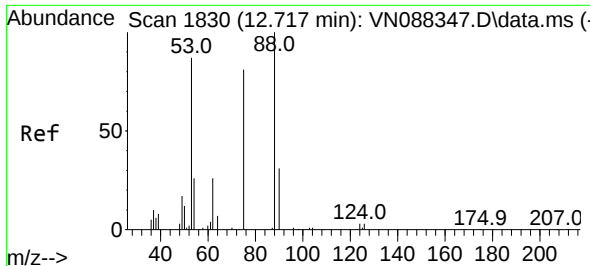


#76
 1,2,3-Trichloropropane
 Concen: 24.936 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088497.D
 Acq: 10 Dec 2025 14:06



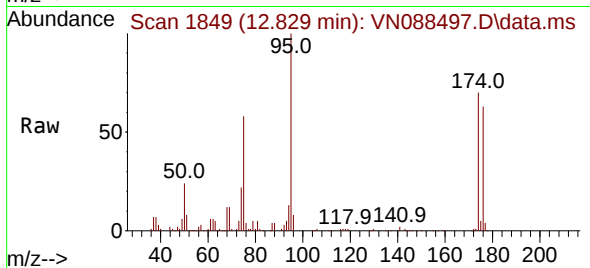
Tgt Ion: 75 Resp: 120798
 Ion Ratio Lower Upper
 75 100
 77 1.4 87.2 261.6#



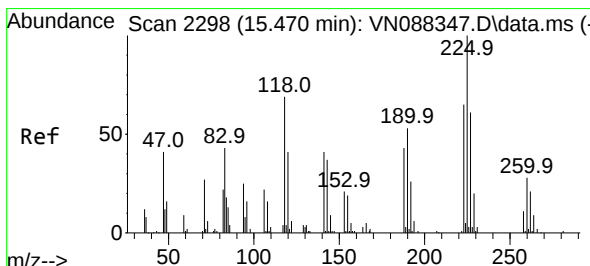
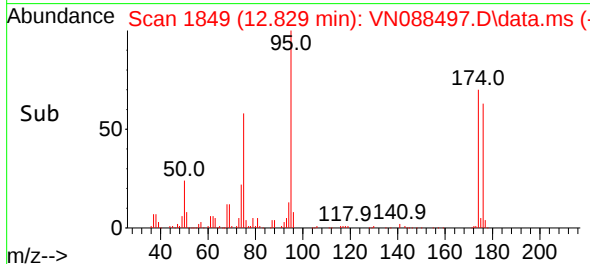
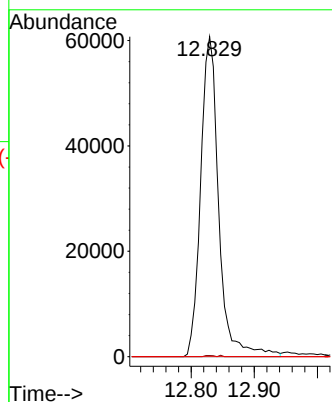


#81
trans-1,4-Dichloro-2-butene
Concen: 70.742 ug/l
RT: 12.829 min Scan# 1830
Delta R.T. 0.112 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :

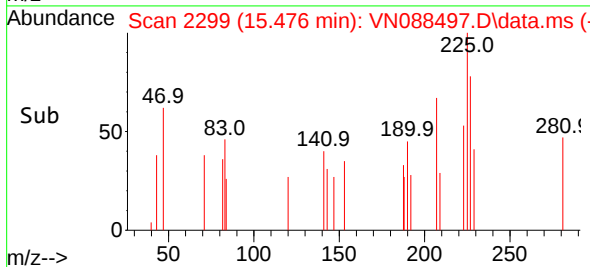
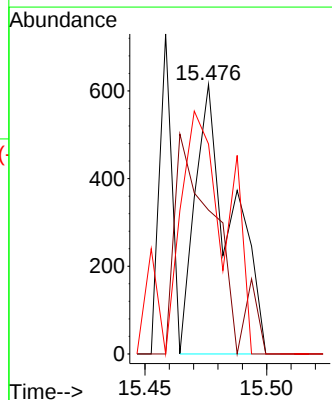
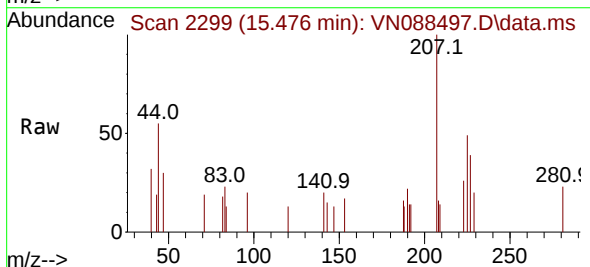


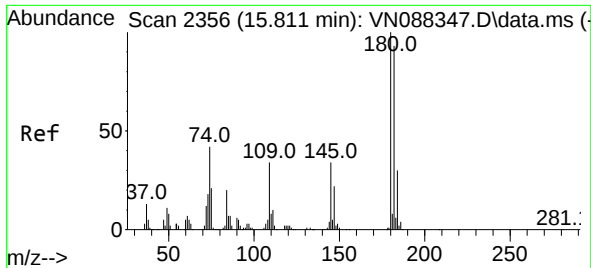
Tgt Ion: 75 Resp: 120798
Ion Ratio Lower Upper
75 100
53 0.2 92.2 138.4#
89 0.0 0.0 0.0



#94
Hexachlorobutadiene
Concen: 0.468 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

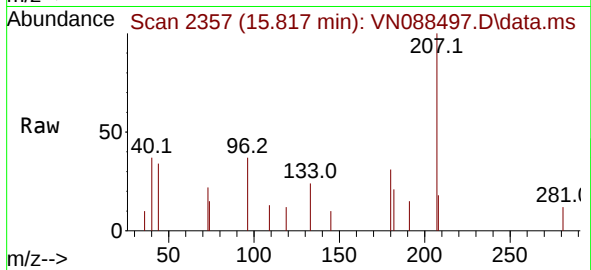
Tgt Ion: 225 Resp: 640
Ion Ratio Lower Upper
225 100
223 91.9 32.3 96.8
227 123.8 29.9 89.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 15.817 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN088497.D
 Acq: 10 Dec 2025 14:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	69.8	45.9	137.7
145	13.2	17.8	53.4#

