

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088376.D
 Acq On : 01 Dec 2025 12:51
 Operator : JC\MD
 Sample : Q3741-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:12:29 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)

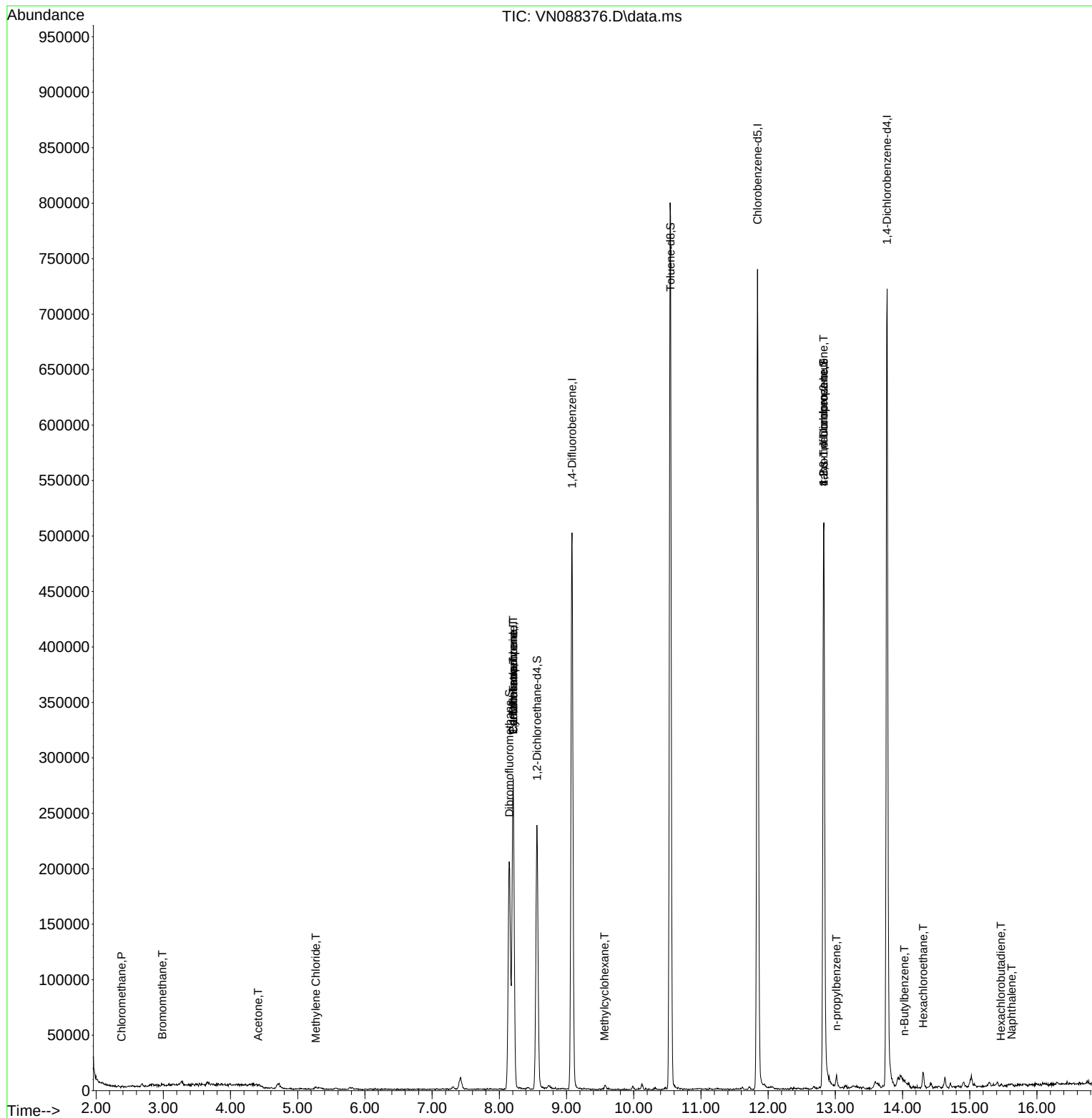
Internal Standards						
1) Pentafluorobenzene	8.206	168	190816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	417130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	399475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	192688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	195284	54.327	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.660%		
35) Dibromofluoromethane	8.147	113	149281	51.642	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.280%		
50) Toluene-d8	10.547	98	542248	50.415	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.840%		
62) 4-Bromofluorobenzene	12.823	95	200961	54.454	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 108.900%		
Target Compounds						Qvalue
3) Chloromethane	2.377	50	681	0.221	ug/l #	43
5) Bromomethane	2.983	94	378	0.251	ug/l #	1
16) Acetone	4.412	43	1768	1.360	ug/l #	81
20) Methylene Chloride	5.271	84	779	0.280	ug/l #	42
31) Cyclohexane	8.206	56	6144	1.300	ug/l #	39
36) 1,1-Dichloropropene	8.206	75	18733	4.199	ug/l #	52
38) Carbon Tetrachloride	8.206	117	20683	4.657	ug/l #	17
39) Methylcyclohexane	9.565	83	1488	0.312	ug/l #	74
76) 1,2,3-Trichloropropane	12.823	75	111135	24.625	ug/l #	1
78) n-propylbenzene	13.018	91	8940	0.513	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.823	75	111135	69.860	ug/l #	1
89) n-Butylbenzene	14.029	91	4126	0.359	ug/l	86
90) Hexachloroethane	14.306	117	1144	0.530	ug/l #	20
94) Hexachlorobutadiene	15.464	225	609	0.478	ug/l #	38
95) Naphthalene	15.623	128	2845	0.231	ug/l #	85

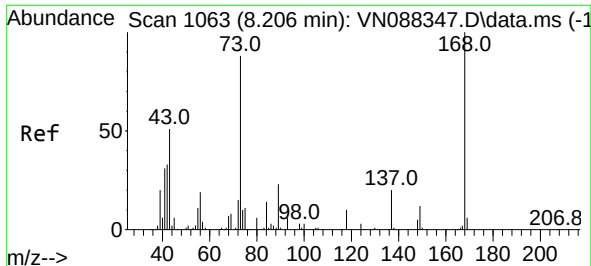
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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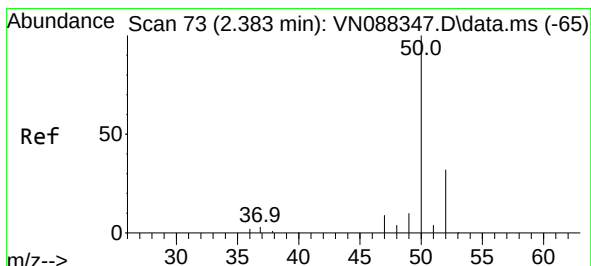
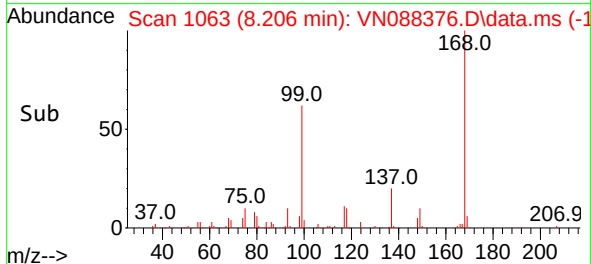
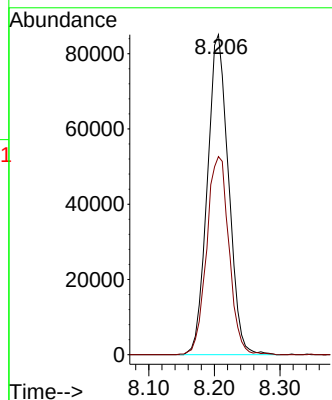
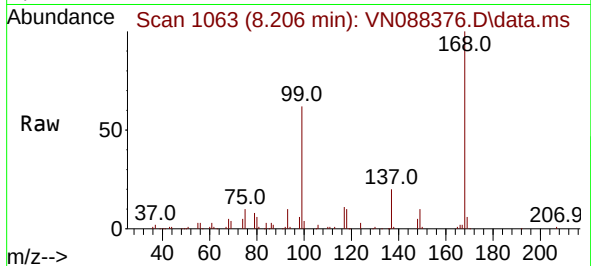




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

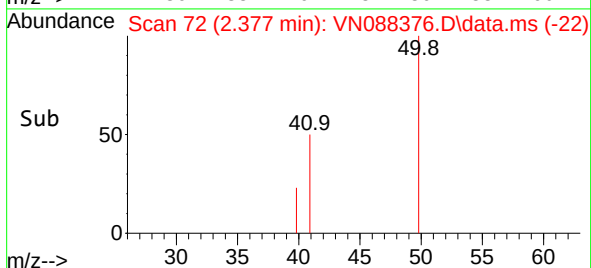
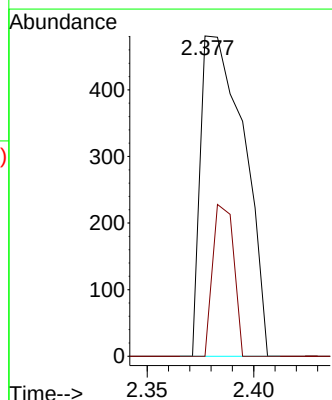
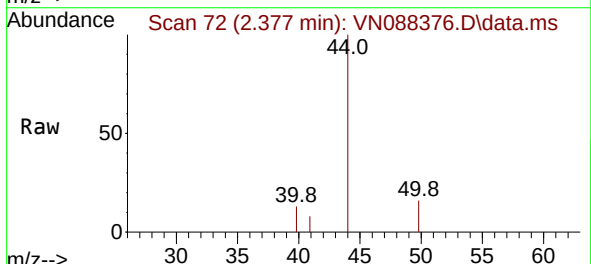
Instrument :
MSVOA_N
ClientSampleId :

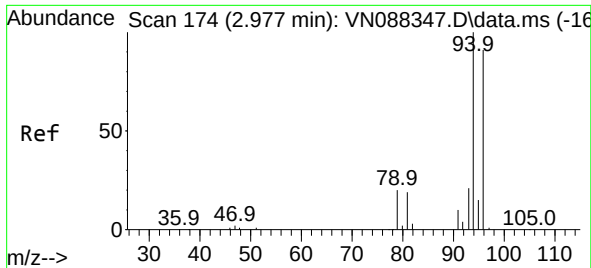
Tgt Ion:168 Resp: 190816
Ion Ratio Lower Upper
168 100
99 61.9 57.1 85.7



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.377 min Scan# 72
Delta R.T. -0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Tgt Ion: 50 Resp: 681
Ion Ratio Lower Upper
50 100
52 0.0 25.2 37.8#

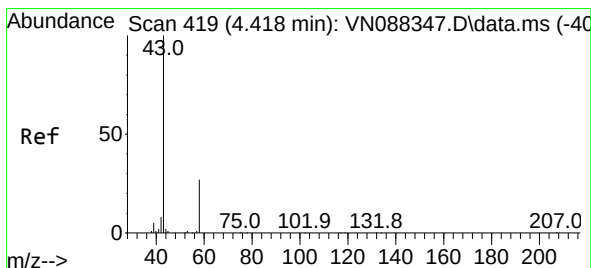
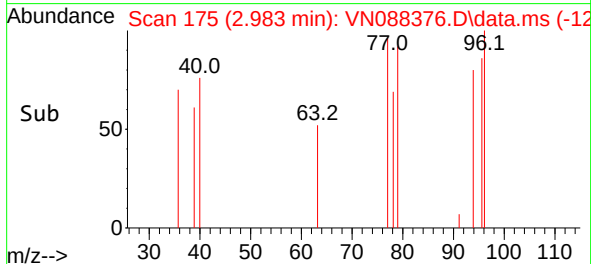
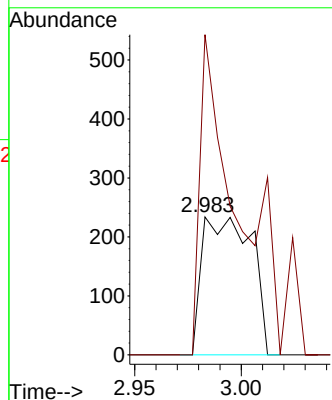
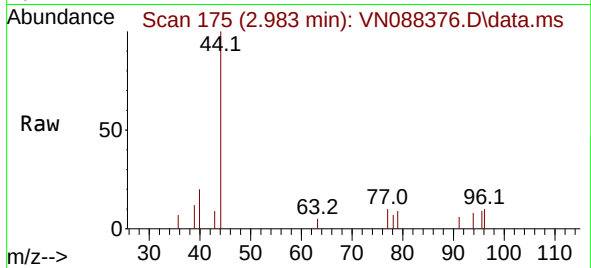




#5
Bromomethane
Concen: 0.251 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

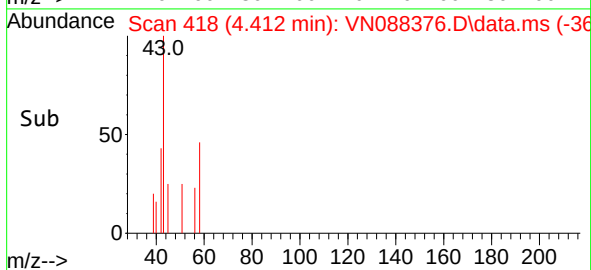
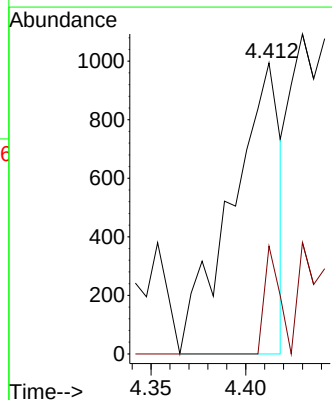
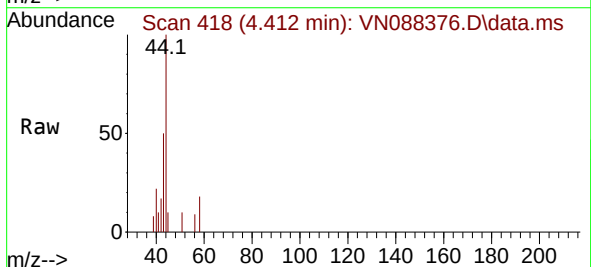
Instrument :
MSVOA_N
ClientSampleId :

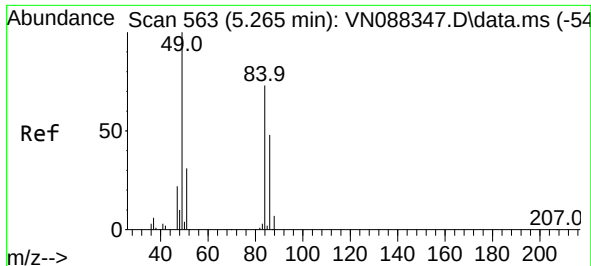
Tgt Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 232.1 73.2 109.8#



#16
Acetone
Concen: 1.360 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

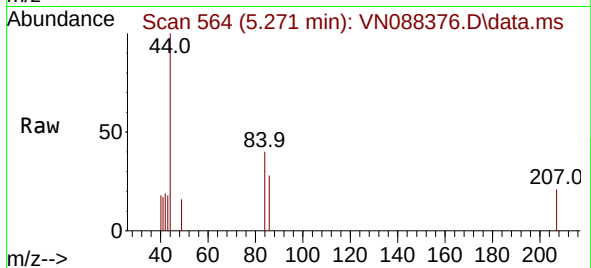
Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
58 37.0 21.7 32.5#



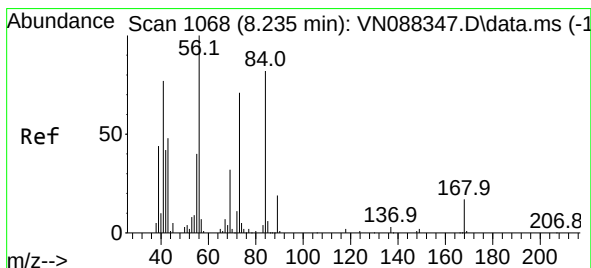
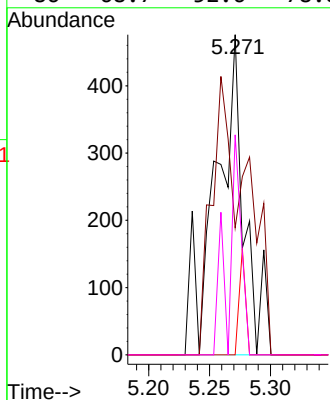
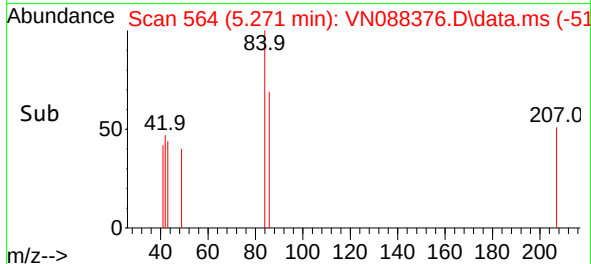


#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

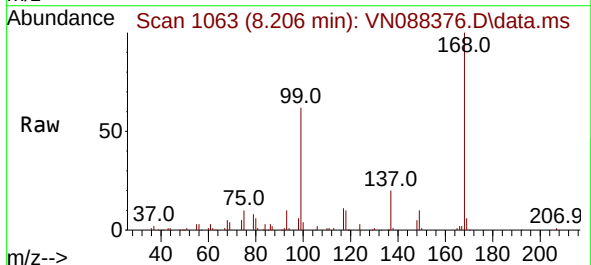
Instrument :
MSVOA_N
ClientSampleId :



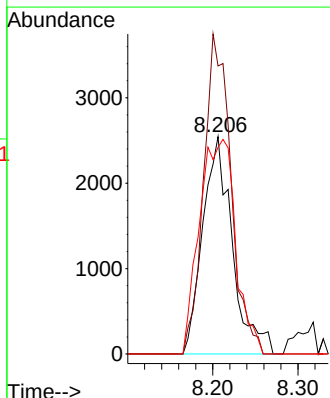
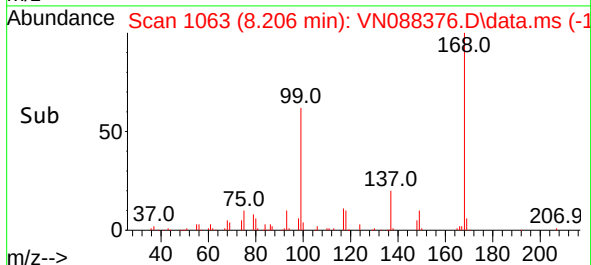
Tgt Ion: 84 Resp: 779
Ion Ratio Lower Upper
84 100
49 39.7 110.2 165.2#
51 0.0 34.1 51.1#
86 68.7 52.6 78.8

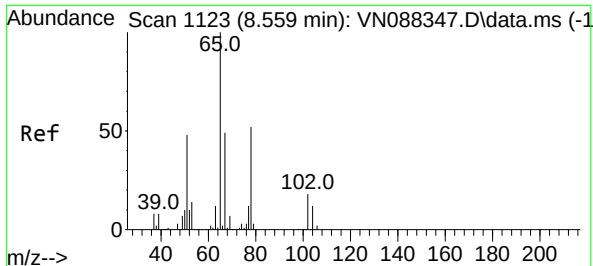


#31
Cyclohexane
Concen: 1.300 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51



Tgt Ion: 56 Resp: 6144
Ion Ratio Lower Upper
56 100
69 132.5 25.3 37.9#
84 95.1 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 54.327 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088376.D

Acq: 01 Dec 2025 12:51

Instrument :

MSVOA_N

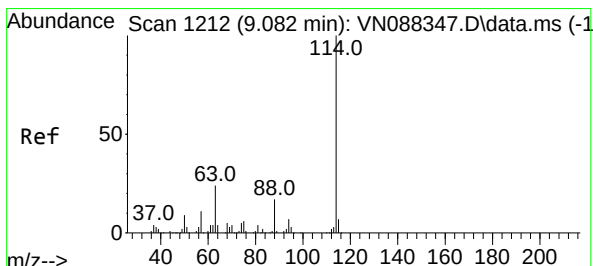
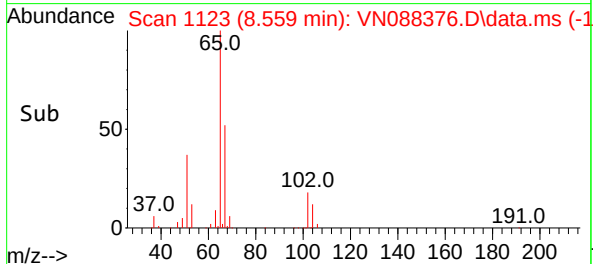
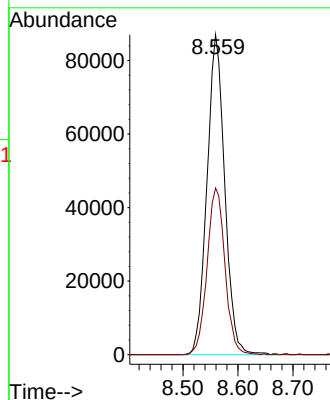
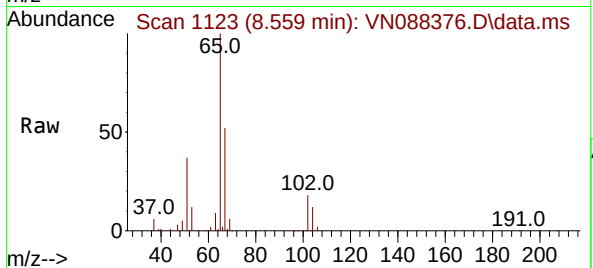
ClientSampleId :

Tgt Ion: 65 Resp: 195284

Ion Ratio Lower Upper

65 100

67 52.4 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088376.D

Acq: 01 Dec 2025 12:51

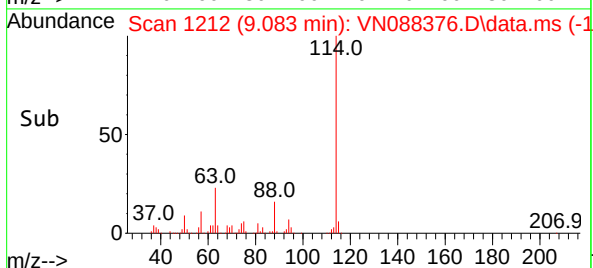
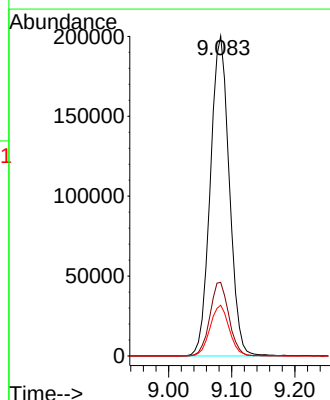
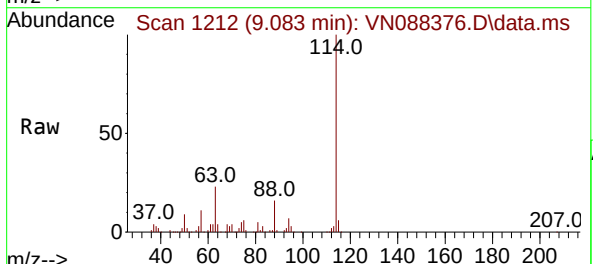
Tgt Ion: 114 Resp: 417130

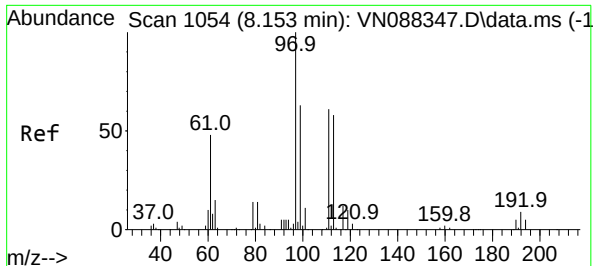
Ion Ratio Lower Upper

114 100

63 23.0 0.0 49.0

88 15.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.642 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

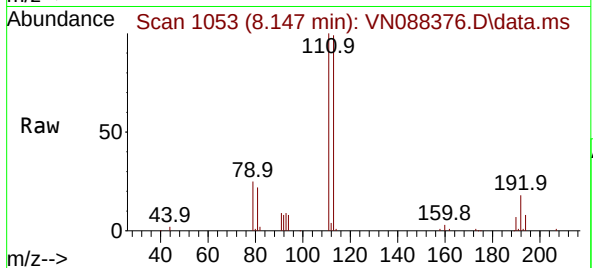
Lab File: VN088376.D

Acq: 01 Dec 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :



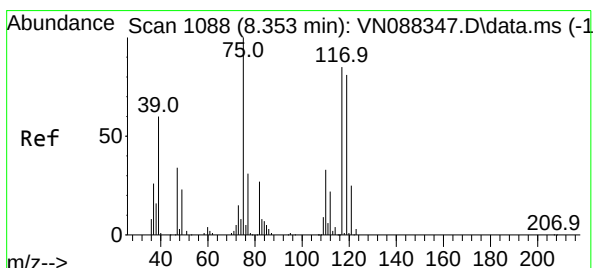
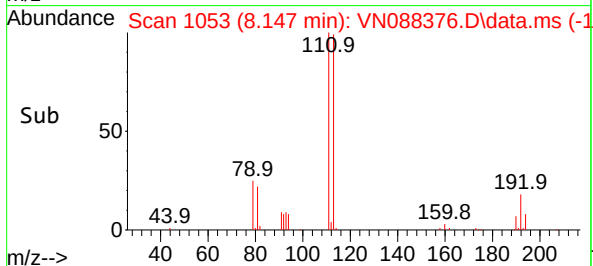
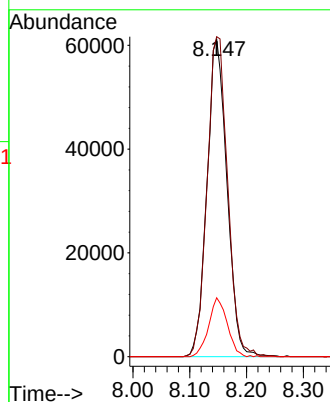
Tgt Ion:113 Resp: 149281

Ion Ratio Lower Upper

113 100

111 103.4 82.5 123.7

192 17.2 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.199 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088376.D

Acq: 01 Dec 2025 12:51

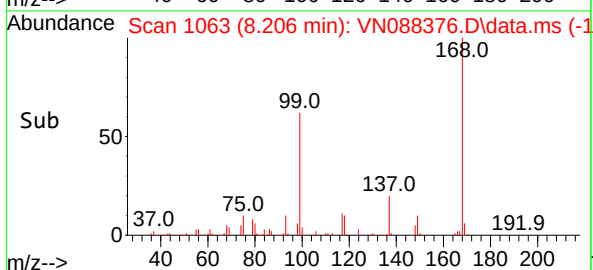
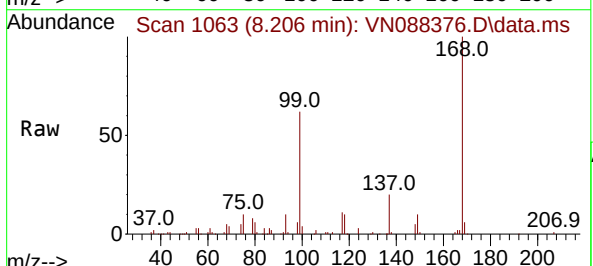
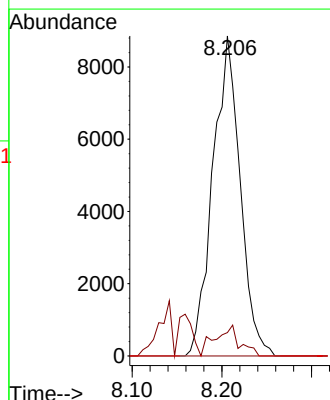
Tgt Ion: 75 Resp: 18733

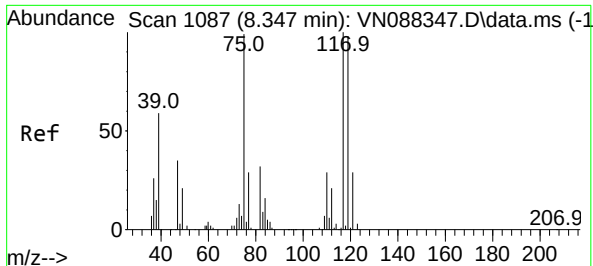
Ion Ratio Lower Upper

75 100

110 8.5 15.8 47.4#

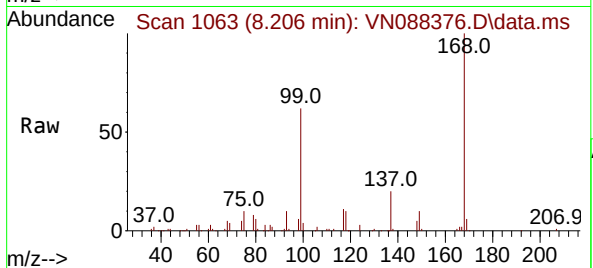
77 0.0 24.2 36.2#



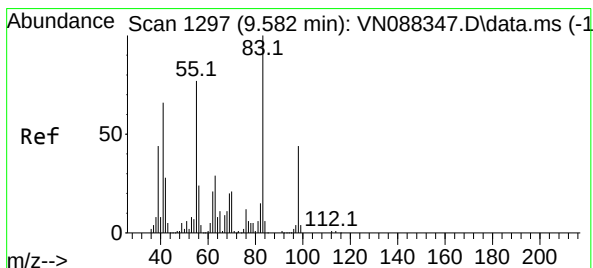
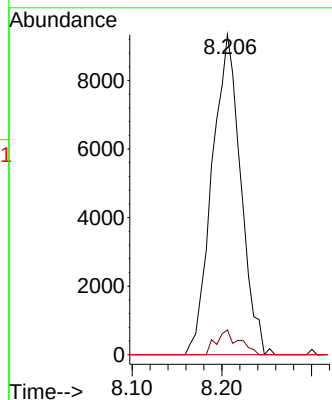
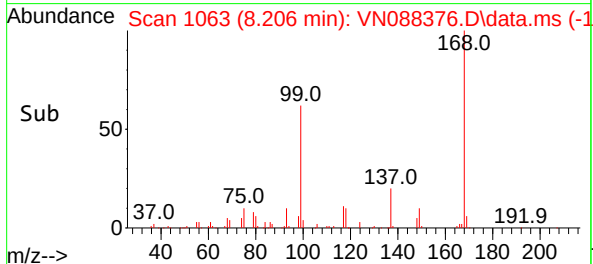


#38
Carbon Tetrachloride
Concen: 4.657 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :

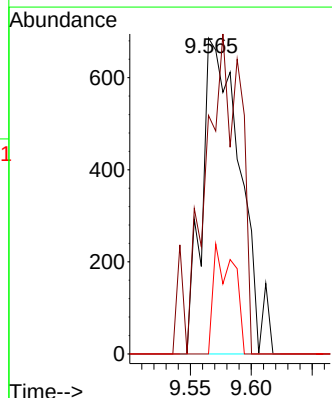
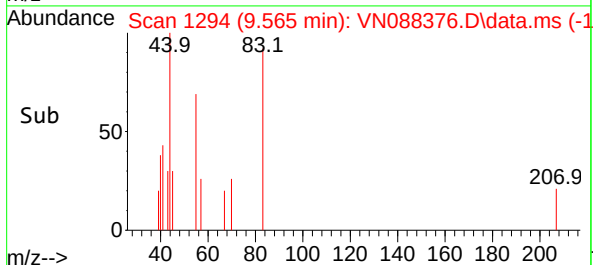
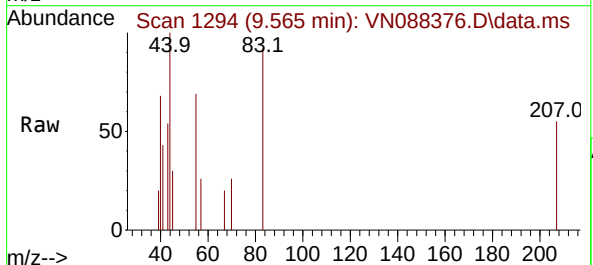


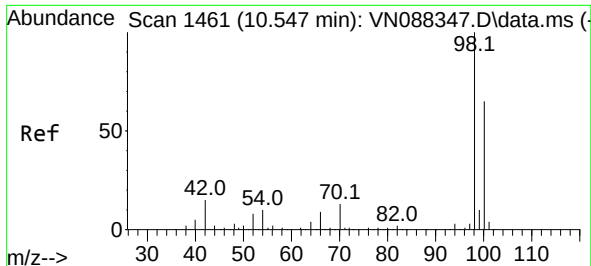
Tgt Ion:117 Resp: 20683
Ion Ratio Lower Upper
117 100
119 7.8 78.2 117.4#
121 0.0 23.4 35.2#



#39
Methylcyclohexane
Concen: 0.312 ug/l
RT: 9.565 min Scan# 1294
Delta R.T. -0.017 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Tgt Ion: 83 Resp: 1488
Ion Ratio Lower Upper
83 100
55 75.5 61.6 92.4
98 0.0 35.3 52.9#

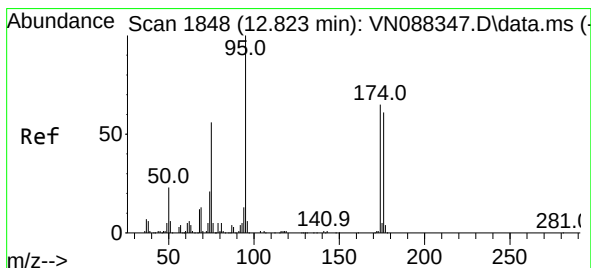
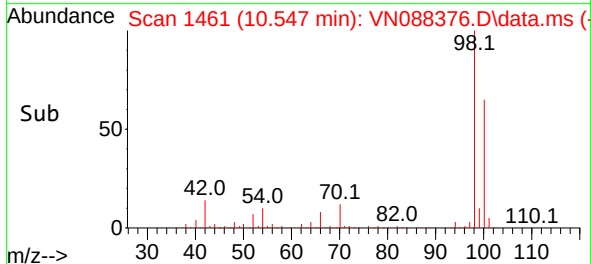
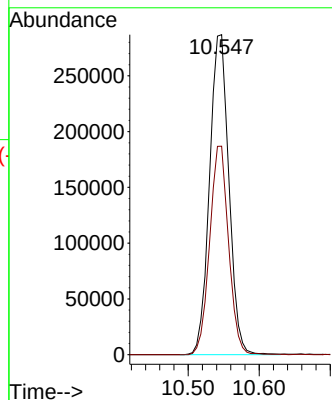
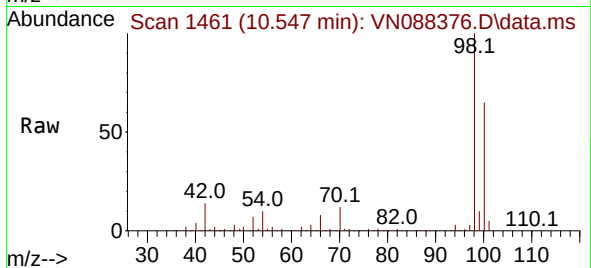




#50
Toluene-d8
Concen: 50.415 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

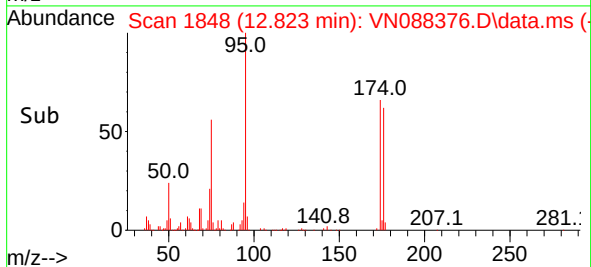
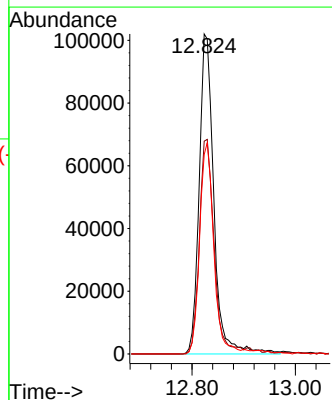
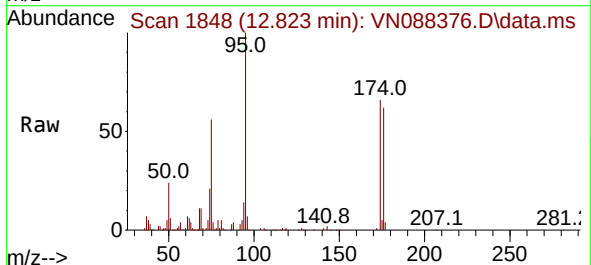
Instrument :
MSVOA_N
ClientSampleId :

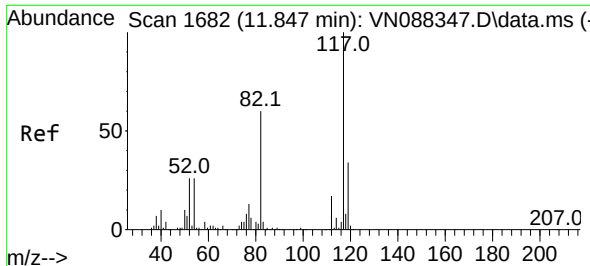
Tgt Ion: 98 Resp: 542248
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 54.454 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

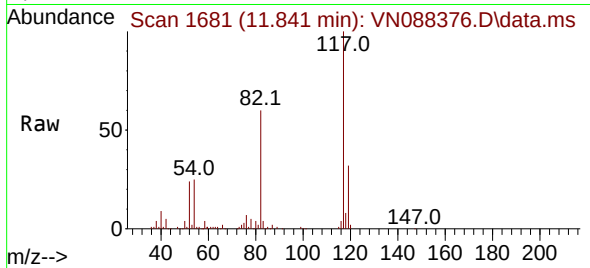
Tgt Ion: 95 Resp: 200961
Ion Ratio Lower Upper
95 100
174 67.4 0.0 139.0
176 63.5 0.0 132.4



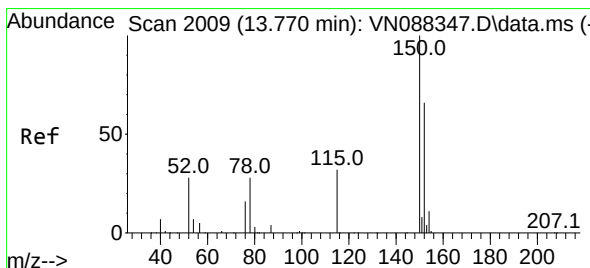
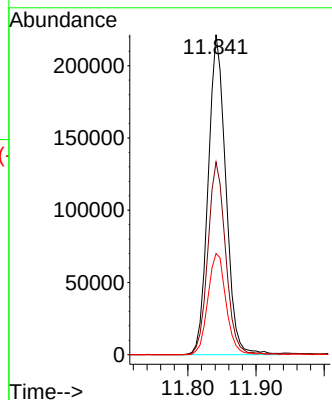
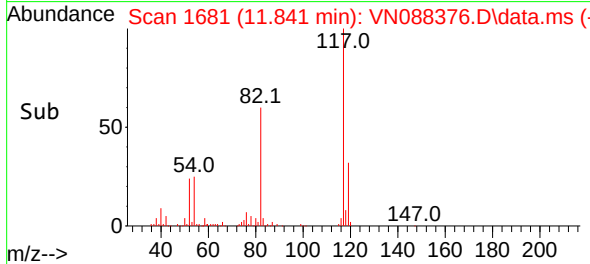


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

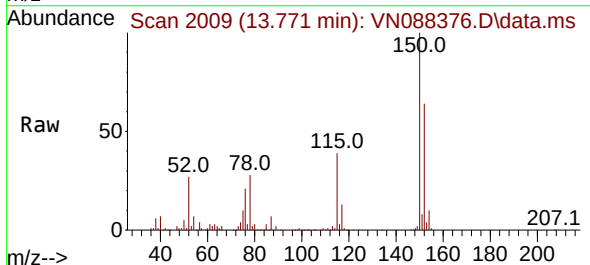
Instrument :
MSVOA_N
ClientSampleId :



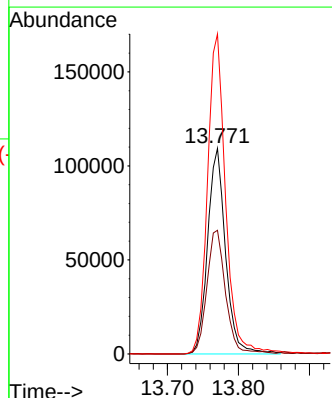
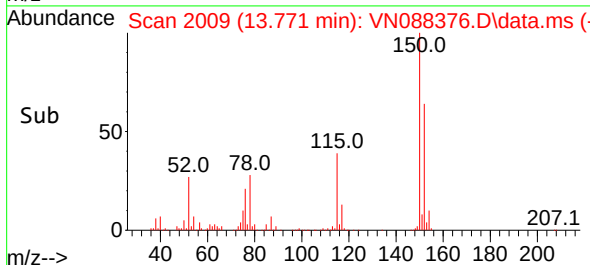
Tgt Ion:117 Resp: 399475
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 31.6 26.9 40.3

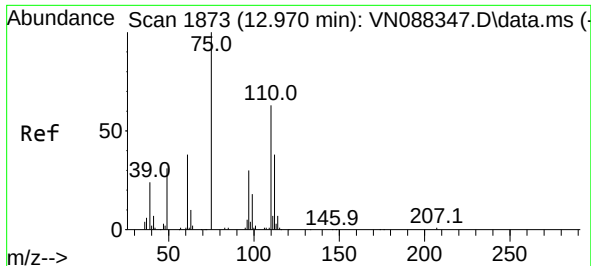


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51



Tgt Ion:152 Resp: 192688
Ion Ratio Lower Upper
152 100
115 62.7 33.0 98.9
150 157.3 0.0 349.0

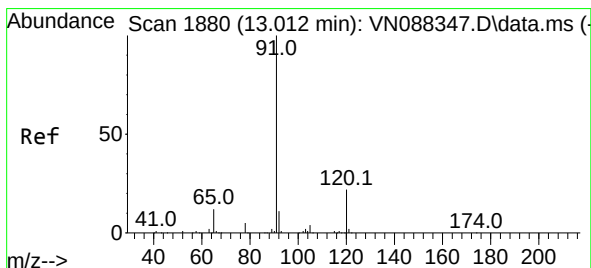
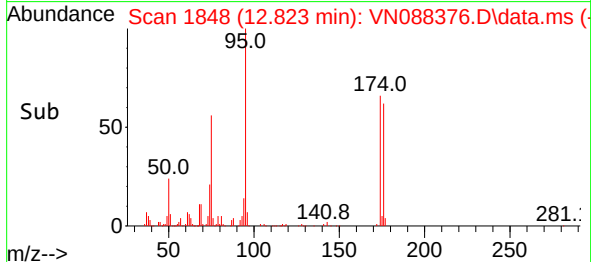
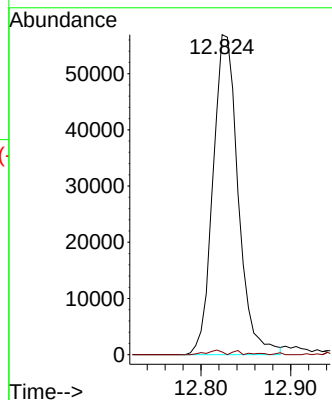
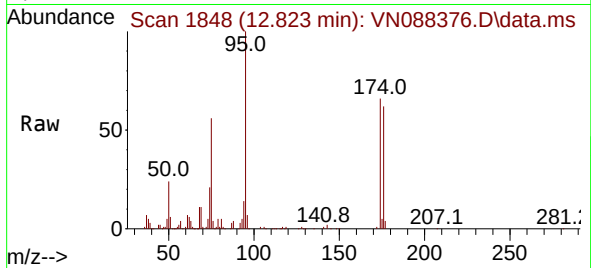




#76
1,2,3-Trichloropropane
Concen: 24.625 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.147 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

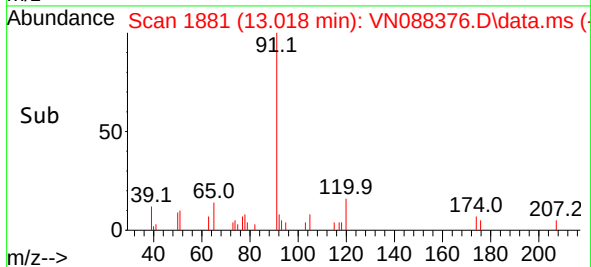
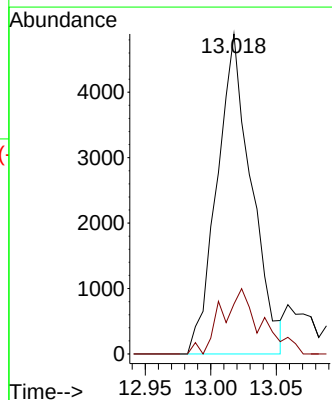
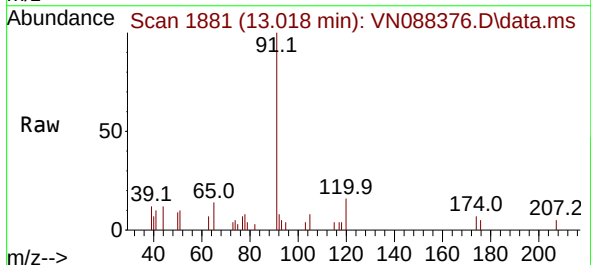
Instrument :
MSVOA_N
ClientSampleId :

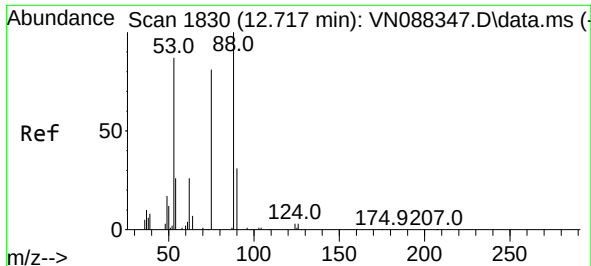
Tgt Ion: 75 Resp: 111135
Ion Ratio Lower Upper
75 100
77 0.8 87.2 261.6#



#78
n-propylbenzene
Concen: 0.513 ug/l
RT: 13.018 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Tgt Ion: 91 Resp: 8940
Ion Ratio Lower Upper
91 100
120 23.6 10.9 32.6

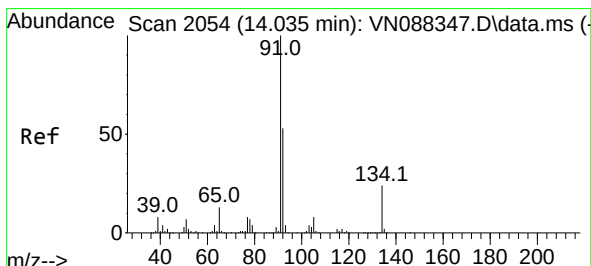
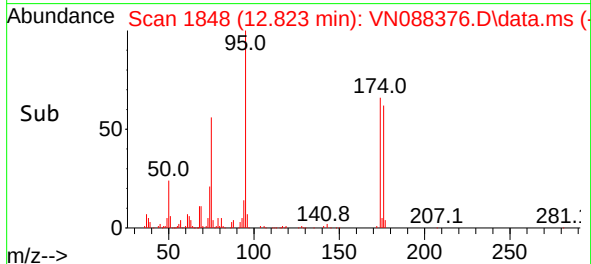
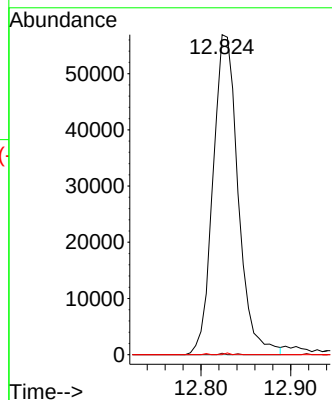
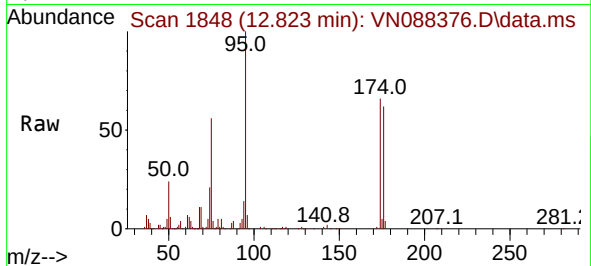




#81
trans-1,4-Dichloro-2-butene
Concen: 69.860 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

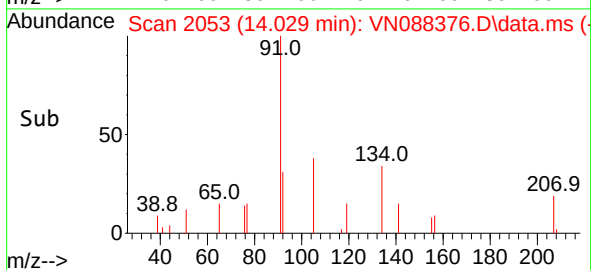
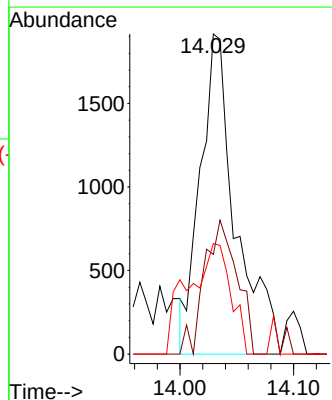
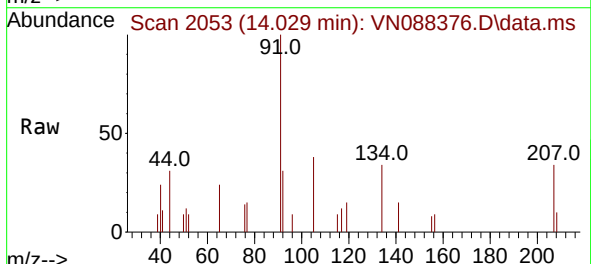
Instrument :
MSVOA_N
ClientSampleId :

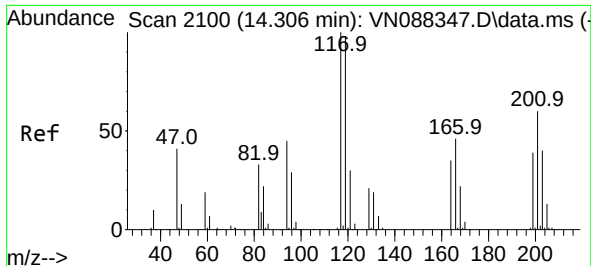
Tgt Ion: 75 Resp: 111135
Ion Ratio Lower Upper
75 100
53 0.1 92.2 138.4#
89 0.1 0.0 0.0#



#89
n-Butylbenzene
Concen: 0.359 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

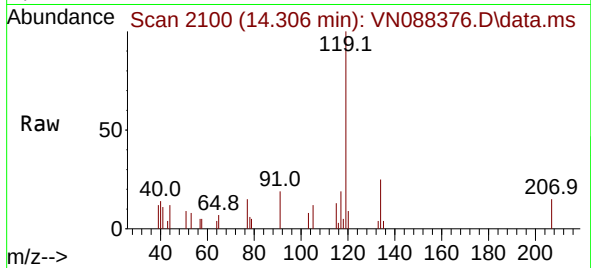
Tgt Ion: 91 Resp: 4126
Ion Ratio Lower Upper
91 100
92 38.9 26.1 78.3
134 24.6 11.7 35.1



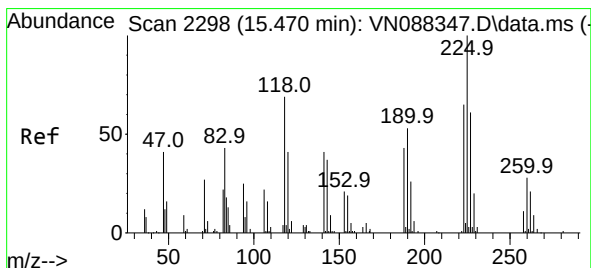
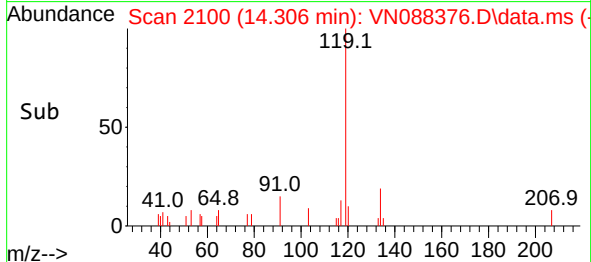
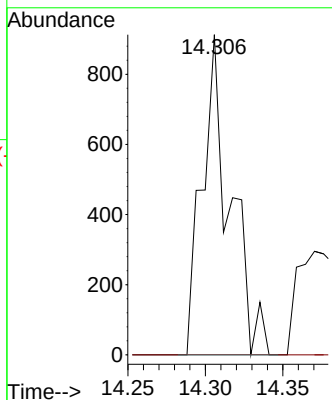


#90
Hexachloroethane
Concen: 0.530 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :

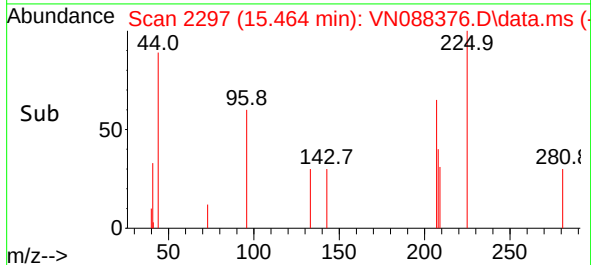
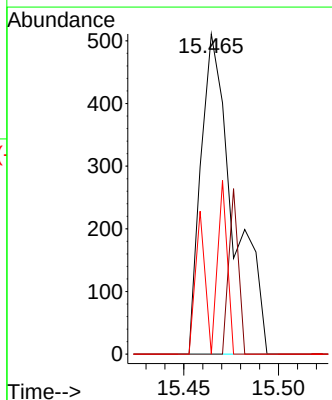
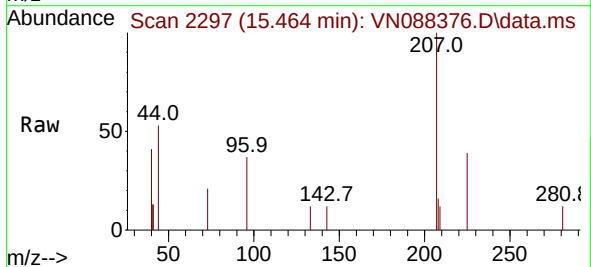


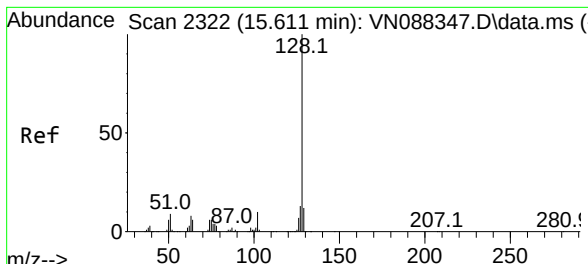
Tgt Ion:117 Resp: 1144
Ion Ratio Lower Upper
117 100
201 0.0 30.3 90.9#



#94
Hexachlorobutadiene
Concen: 0.478 ug/l
RT: 15.464 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

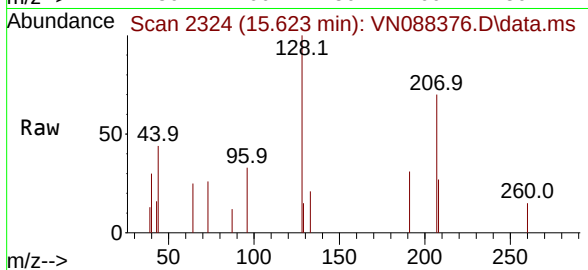
Tgt Ion:225 Resp: 609
Ion Ratio Lower Upper
225 100
223 15.3 32.3 96.8#
227 13.1 29.9 89.8#





#95
 Naphthalene
 Concen: 0.231 ug/l
 RT: 15.623 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN088376.D
 Acq: 01 Dec 2025 12:51

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	2845
Ion	Ratio	Lower	Upper
128	100		
127	2.2	10.4	15.6#
129	11.1	9.0	13.6

