

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
 Data File : VN087743.D
 Acq On : 05 Sep 2025 15:24
 Operator : JC\MD
 Sample : Q3029-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 06 01:07:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	144237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	330229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	314150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	148118	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	160805	54.413	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.820%
35) Dibromofluoromethane	8.153	113	121473	50.948	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.900%
50) Toluene-d8	10.547	98	440644	49.379	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.760%
62) 4-Bromofluorobenzene	12.829	95	144925	45.666	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.340%

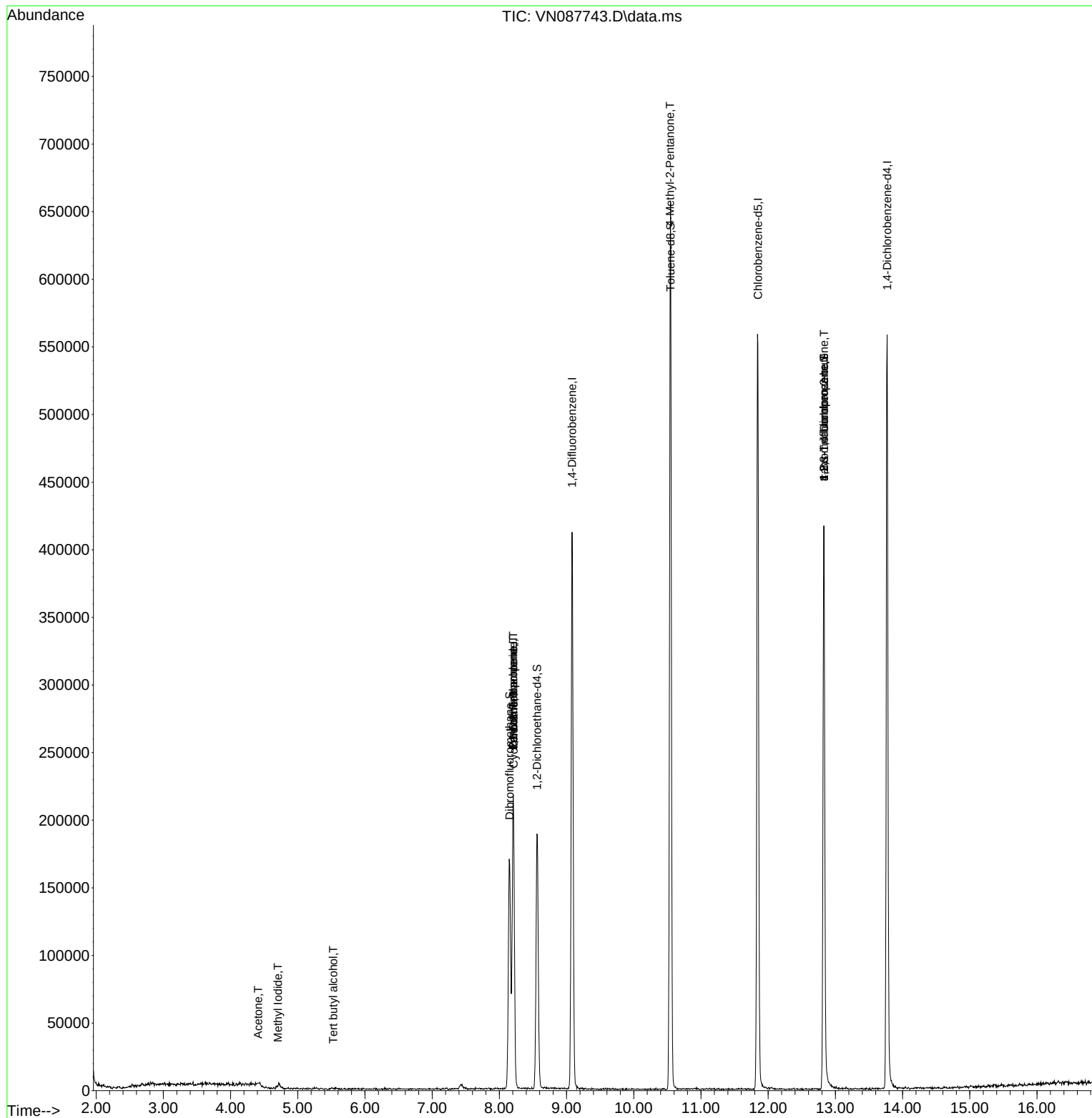
Target Compounds					Qvalue	
10) Methyl Iodide	4.706	142	56	6.842	ug/l #	38
11) Tert butyl alcohol	5.530	59	525	1.023	ug/l #	71
16) Acetone	4.412	43	4297	2.671	ug/l #	69
20) Methylene Chloride	5.259	84	491	Below Cal	#	37
31) Cyclohexane	8.212	56	5060	1.361	ug/l #	31
36) 1,1-Dichloropropene	8.206	75	14378	3.931	ug/l #	46
38) Carbon Tetrachloride	8.206	117	16011	4.433	ug/l #	21
51) 4-Methyl-2-Pentanone	10.541	43	2303	0.489	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	85058	24.488	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	85058	64.829	ug/l #	1

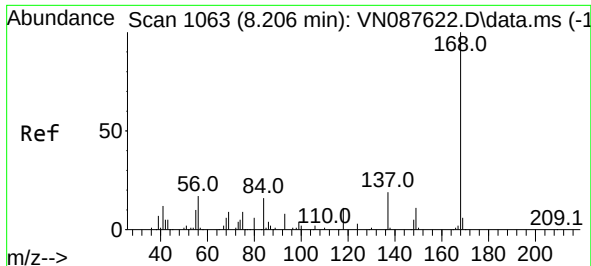
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
Data File : VN087743.D
Acq On : 05 Sep 2025 15:24
Operator : JC\MD
Sample : Q3029-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 06 01:07:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

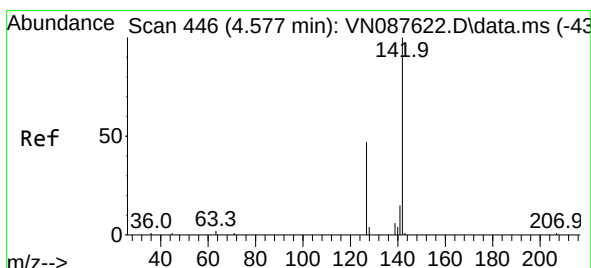
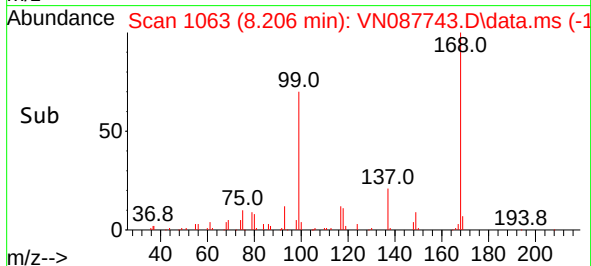
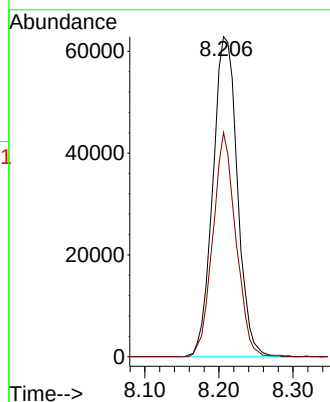
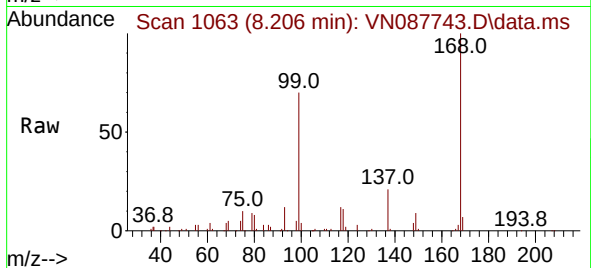




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

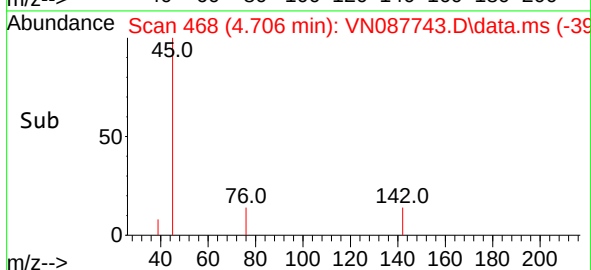
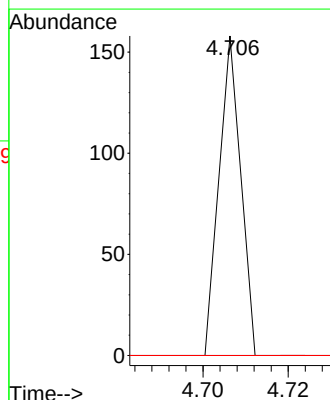
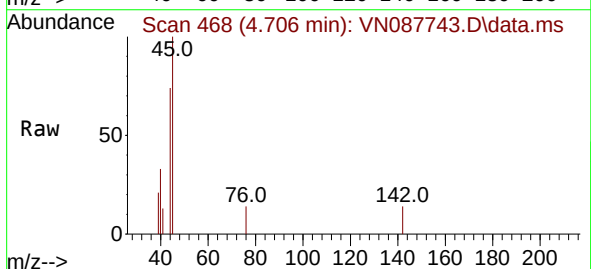
Instrument :
MSVOA_N
ClientSampleId :

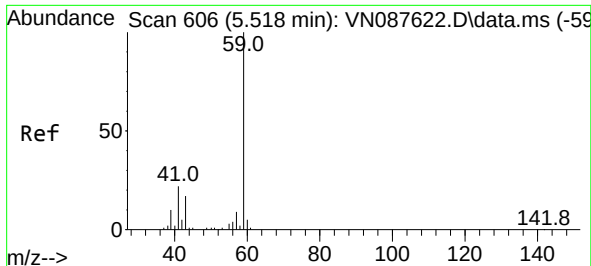
Tgt Ion:168 Resp: 144237
Ion Ratio Lower Upper
168 100
99 70.0 57.2 85.8



#10
Methyl Iodide
Concen: 6.842 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.129 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

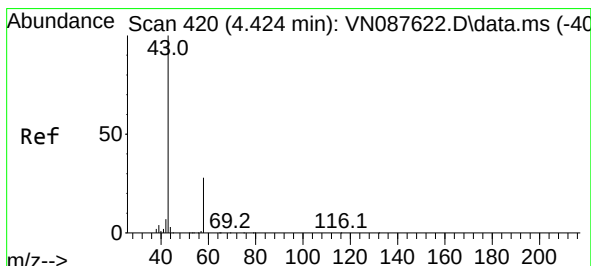
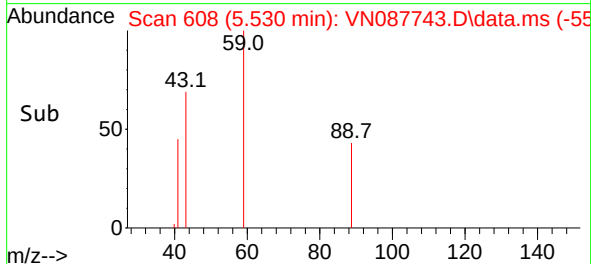
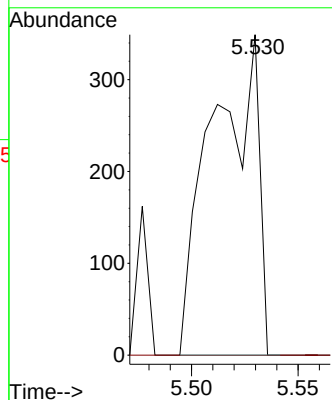
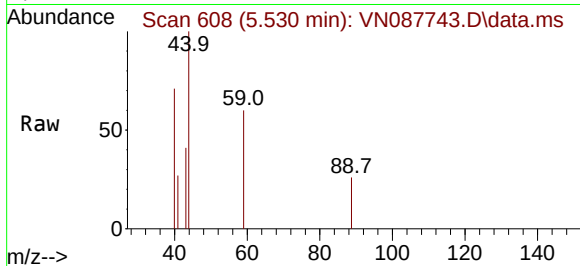




#11
Tert butyl alcohol
Concen: 1.023 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

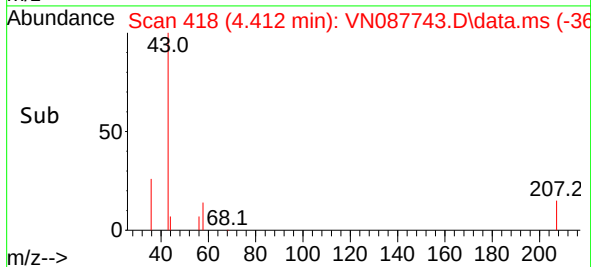
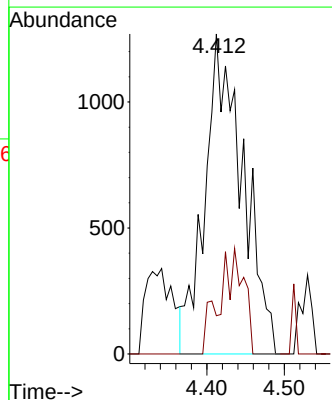
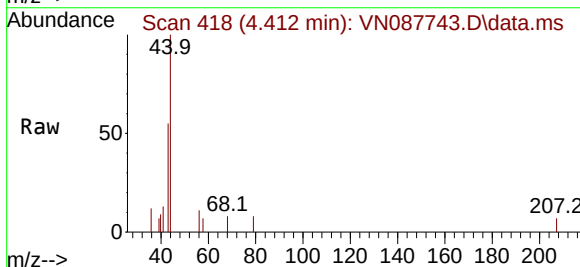
Instrument :
MSVOA_N
ClientSampleId :

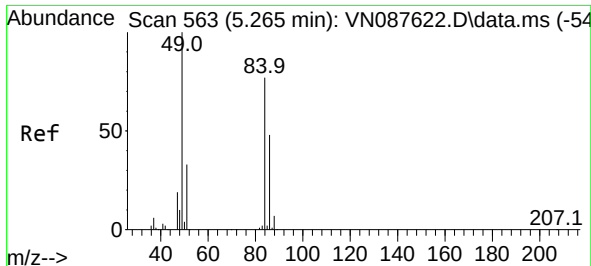
Tgt Ion: 59 Resp: 525
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 2.671 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.012 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

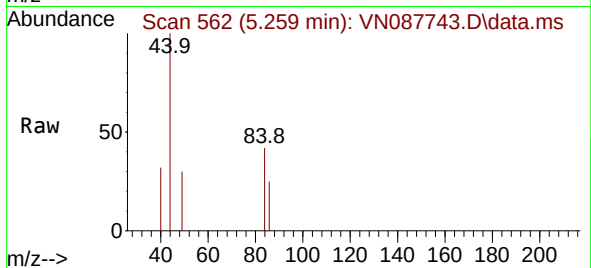
Tgt Ion: 43 Resp: 4297
Ion Ratio Lower Upper
43 100
58 12.0 22.6 33.8#



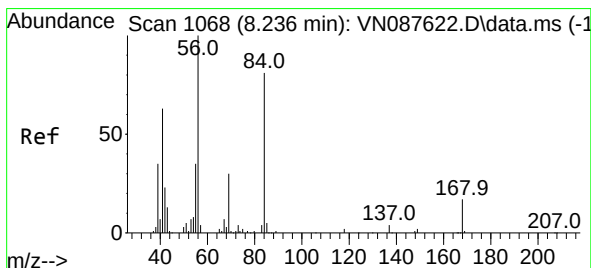
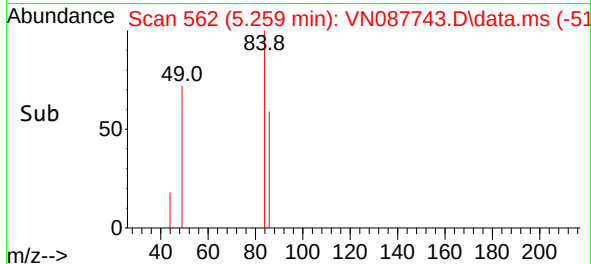
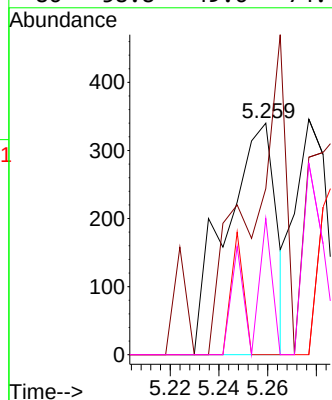


#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

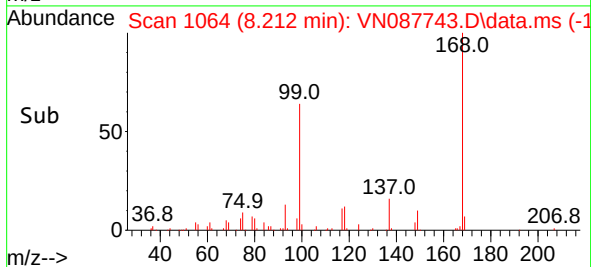
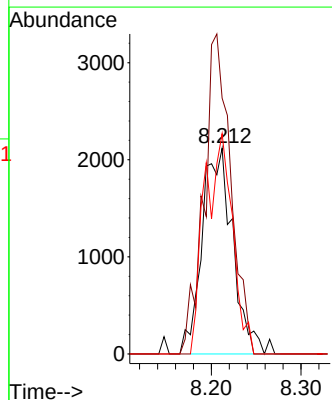
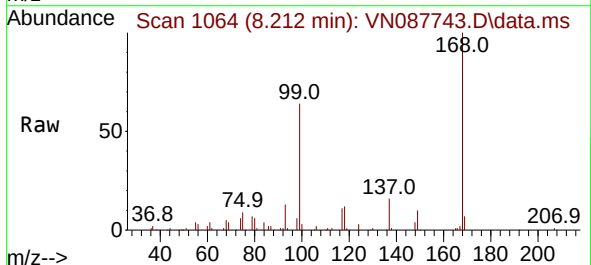


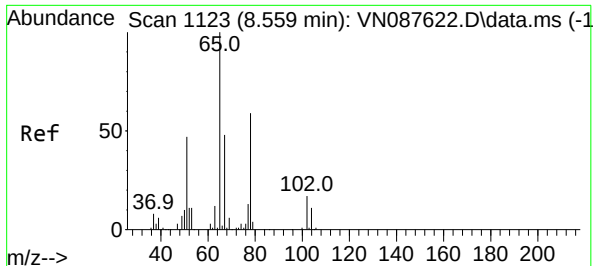
Tgt Ion:	84	Resp:	491
Ion	Ratio	Lower	Upper
84	100		
49	25.3	103.4	155.2#
51	0.0	33.8	50.8#
86	58.8	49.6	74.4



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

Tgt Ion:	56	Resp:	5060
Ion	Ratio	Lower	Upper
56	100		
69	124.4	23.7	35.5#
84	107.1	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 54.413 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087743.D

Acq: 05 Sep 2025 15:24

Instrument :

MSVOA_N

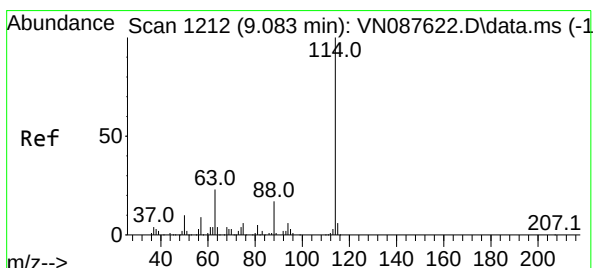
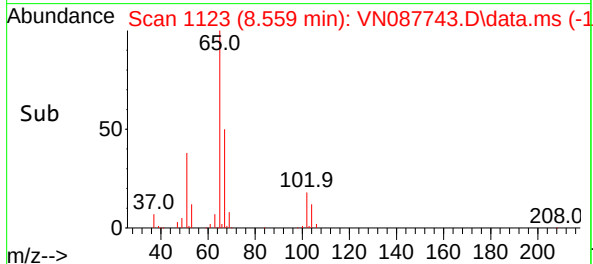
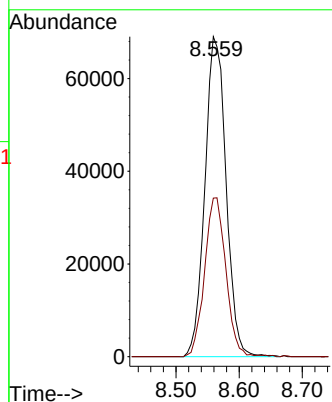
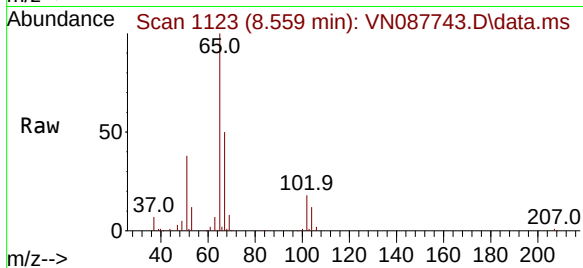
ClientSampleId :

Tgt Ion: 65 Resp: 160805

Ion Ratio Lower Upper

65 100

67 49.9 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087743.D

Acq: 05 Sep 2025 15:24

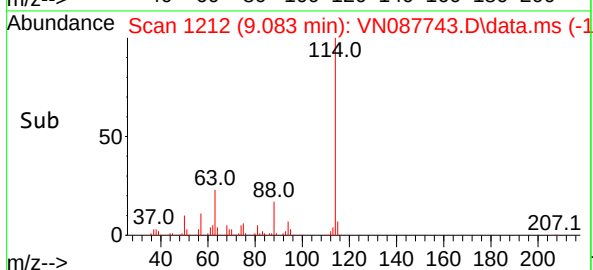
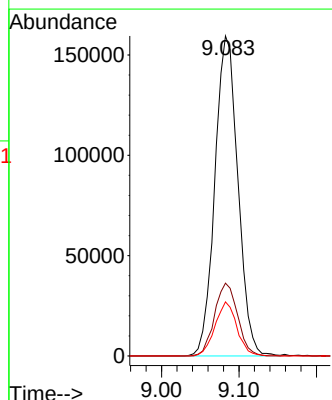
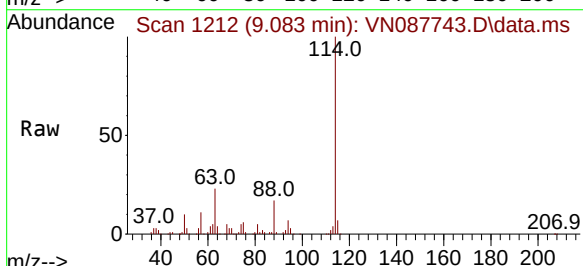
Tgt Ion: 114 Resp: 330229

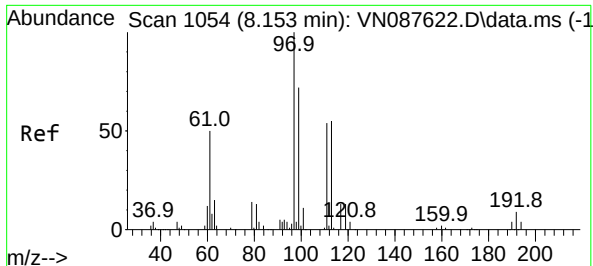
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.948 ug/l

RT: 8.153 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087743.D

Acq: 05 Sep 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

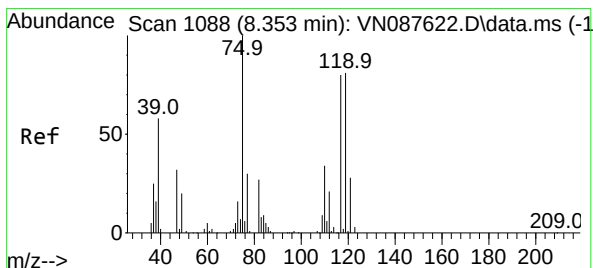
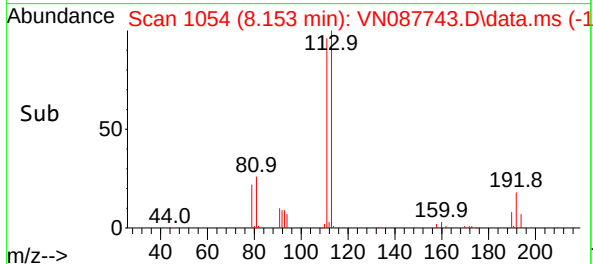
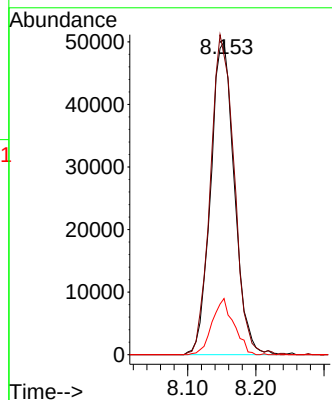
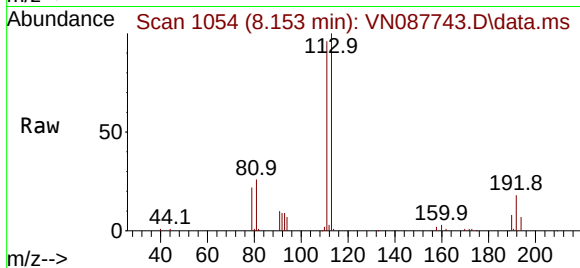
Tgt Ion:113 Resp: 121473

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 16.4 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.931 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087743.D

Acq: 05 Sep 2025 15:24

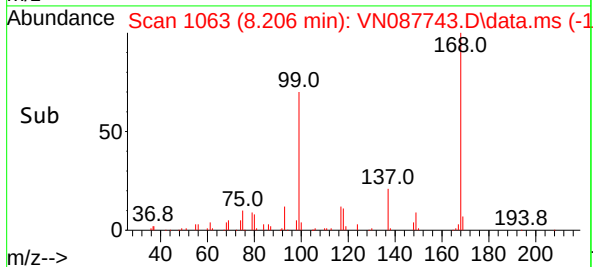
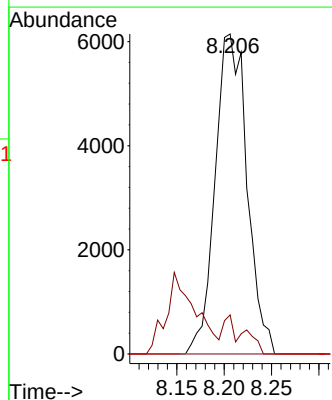
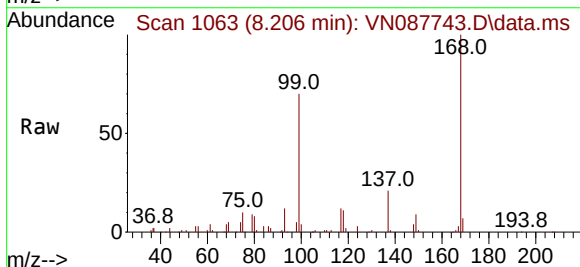
Tgt Ion: 75 Resp: 14378

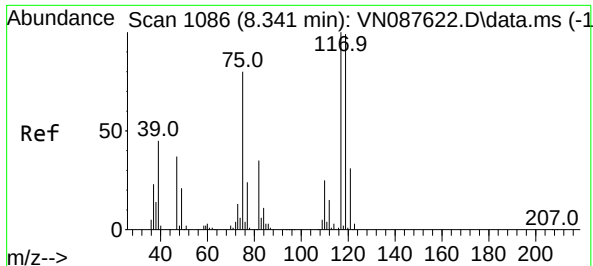
Ion Ratio Lower Upper

75 100

110 2.3 15.9 47.6#

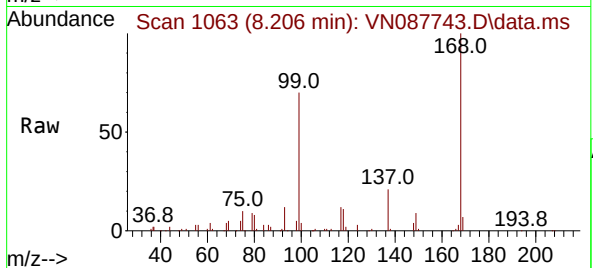
77 0.0 24.4 36.6#



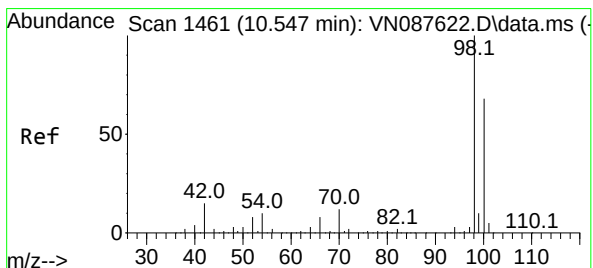
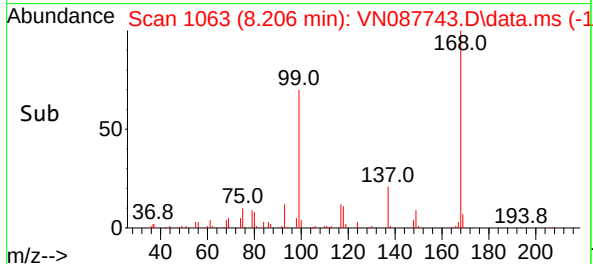
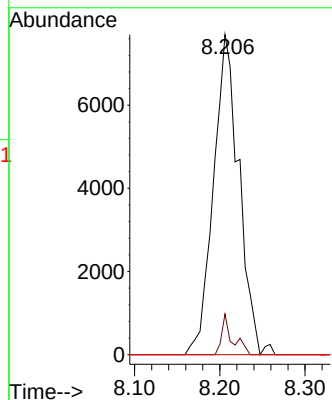


#38
Carbon Tetrachloride
Concen: 4.433 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

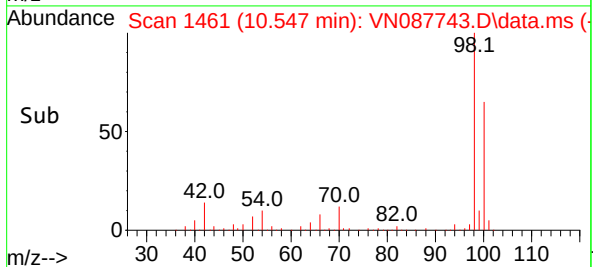
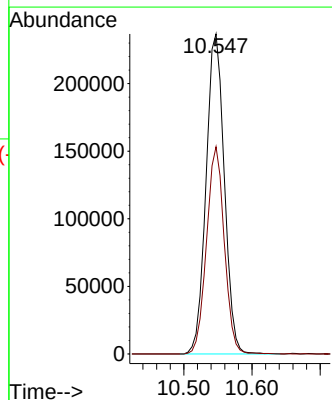
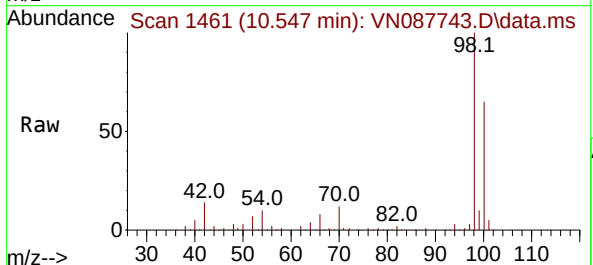


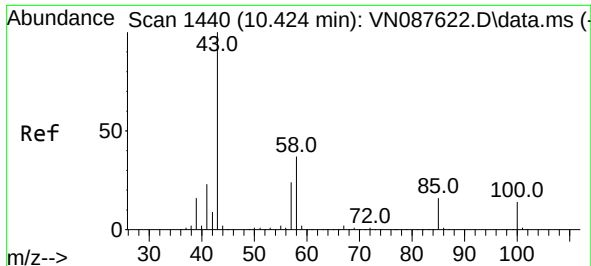
Tgt Ion:117 Resp: 16011
Ion Ratio Lower Upper
117 100
119 12.7 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 49.379 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

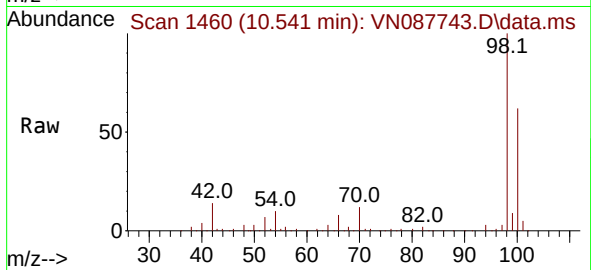
Tgt Ion: 98 Resp: 440644
Ion Ratio Lower Upper
98 100
100 63.0 52.8 79.2



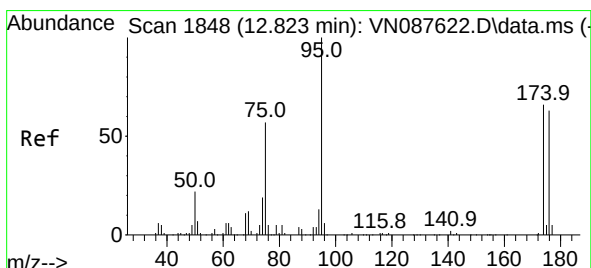
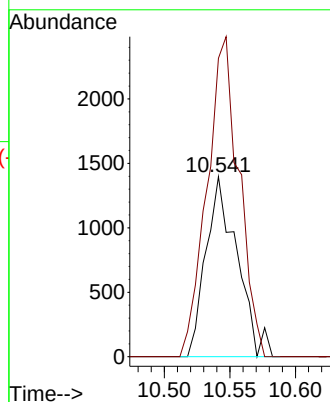
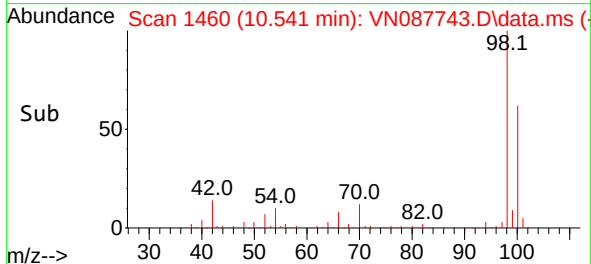


#51
4-Methyl-2-Pentanone
Concen: 0.489 ug/l
RT: 10.541 min Scan# 1440
Delta R.T. 0.118 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

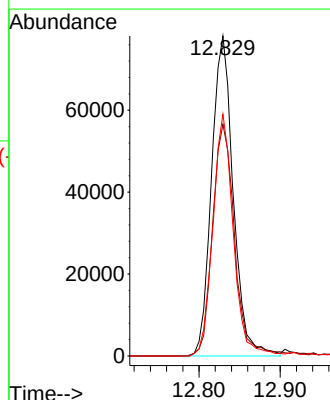
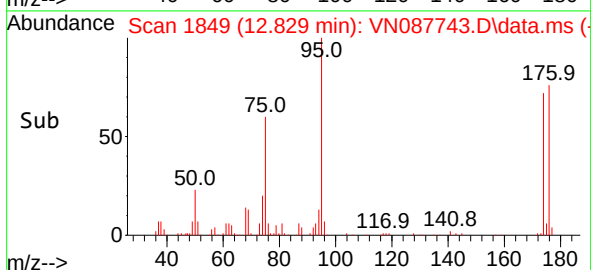
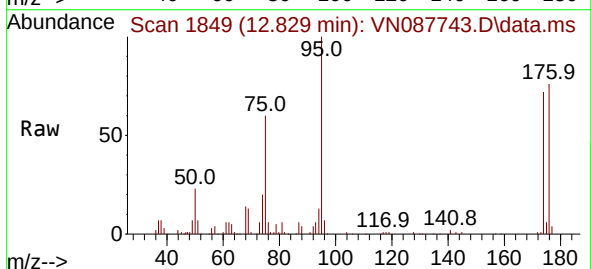


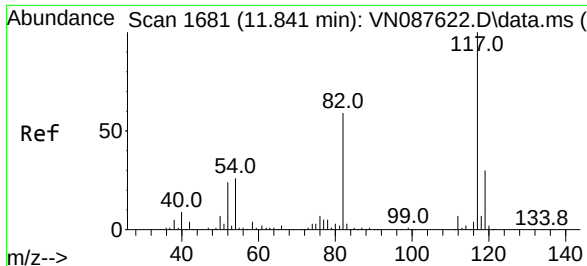
Tgt Ion: 43 Resp: 2303
Ion Ratio Lower Upper
43 100
58 182.5 29.6 44.4#



#62
4-Bromofluorobenzene
Concen: 45.666 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

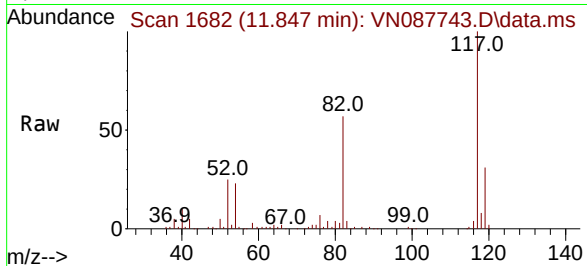
Tgt Ion: 95 Resp: 144925
Ion Ratio Lower Upper
95 100
174 74.1 0.0 138.4
176 71.4 0.0 132.6



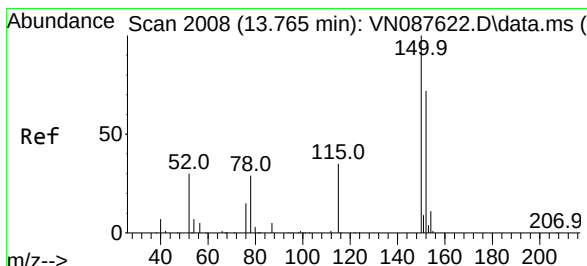
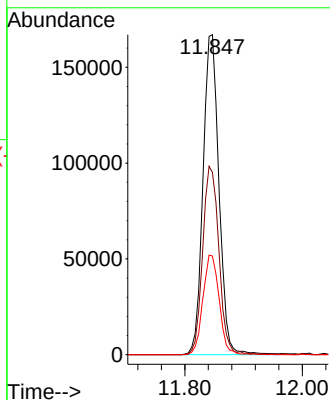
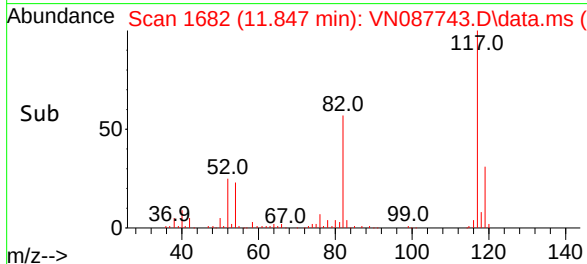


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

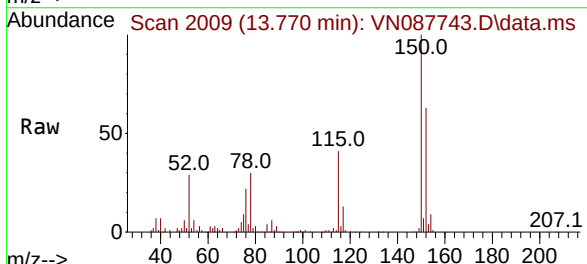
Instrument :
MSVOA_N
ClientSampleId :



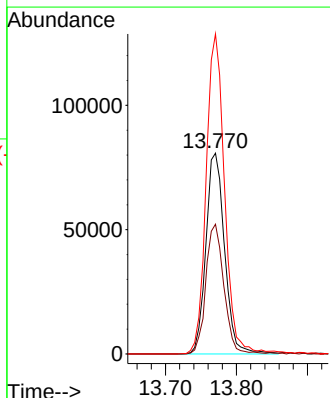
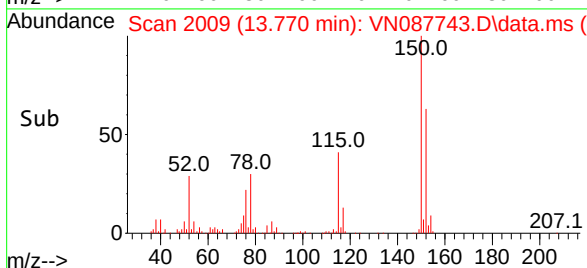
Tgt Ion:117 Resp: 314150
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 30.8 24.3 36.5

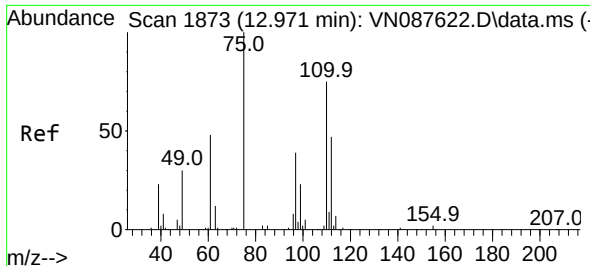


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24



Tgt Ion:152 Resp: 148118
Ion Ratio Lower Upper
152 100
115 62.2 32.3 96.8
150 156.9 0.0 351.0

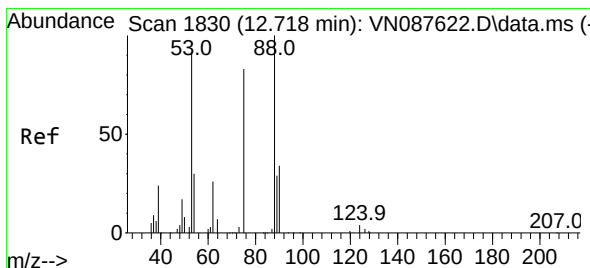
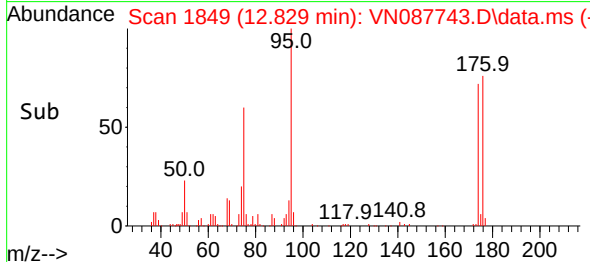
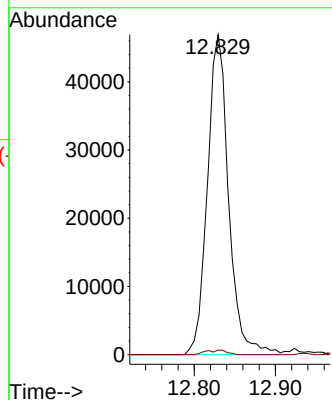
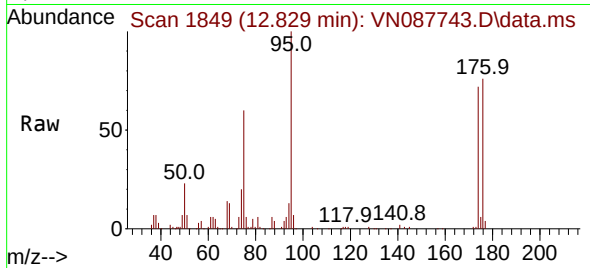




#76
1,2,3-Trichloropropane
Concen: 24.488 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 85058
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.829 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087743.D
Acq: 05 Sep 2025 15:24

Tgt Ion: 75 Resp: 85058
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#

