

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087208.D
 Acq On : 27 Jun 2025 10:12
 Operator : JC\MD
 Sample : VN0627MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627MBL01

Quant Time: Jun 27 23:39:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

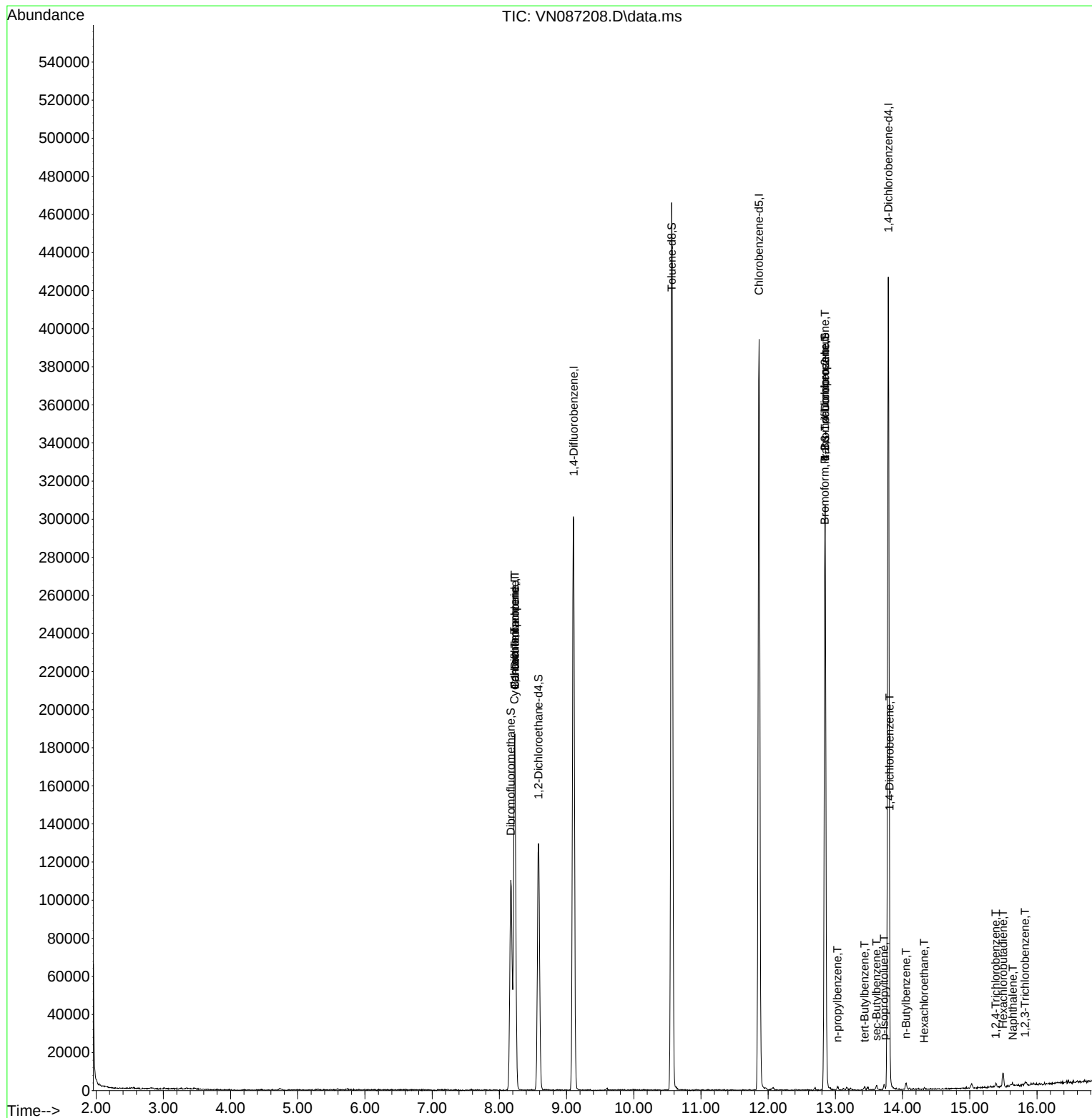
Internal Standards						
1) Pentafluorobenzene	8.230	168	142070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	275807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	109422	53.520	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.040%	
35) Dibromofluoromethane	8.171	113	85174	47.767	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.540%	
50) Toluene-d8	10.565	98	344830	46.758	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.520%	
62) 4-Bromofluorobenzene	12.847	95	118704	46.387	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.780%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.742	53	516	Below Cal	#	56
16) Acetone	4.465	43	451	Below Cal	#	42
17) Carbon Disulfide	4.742	76	2321	Below Cal	#	76
20) Methylene Chloride	5.300	84	128	Below Cal	#	51
31) Cyclohexane	8.224	56	3204	1.012	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	12093	4.630	ug/l #	50
38) Carbon Tetrachloride	8.230	117	14136	5.557	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	1321	Below Cal	#	1
58) 2-Chloroethyl Vinyl ether	10.165	63	53	Below Cal	#	48
71) Bromoform	12.841	173	471	0.367	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	58376	22.700	ug/l #	1
78) n-propylbenzene	13.029	91	2068	0.215	ug/l	80
81) trans-1,4-Dichloro-2-b...	12.847	75	58376	50.947	ug/l #	13
83) tert-Butylbenzene	13.435	119	1182	0.214	ug/l	89
85) sec-Butylbenzene	13.612	105	2216	0.272	ug/l	92
86) p-Isopropyltoluene	13.723	119	1902	0.284	ug/l	91
88) 1,4-Dichlorobenzene	13.806	146	834	0.213	ug/l #	1
89) n-Butylbenzene	14.053	91	2729	0.439	ug/l	96
90) Hexachloroethane	14.323	117	298	0.230	ug/l	71
93) 1,2,4-Trichlorobenzene	15.388	180	899	0.449	ug/l	75
94) Hexachlorobutadiene	15.494	225	1597	2.530	ug/l	94
95) Naphthalene	15.641	128	2387	0.314	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.823	180	924	0.468	ug/l #	85

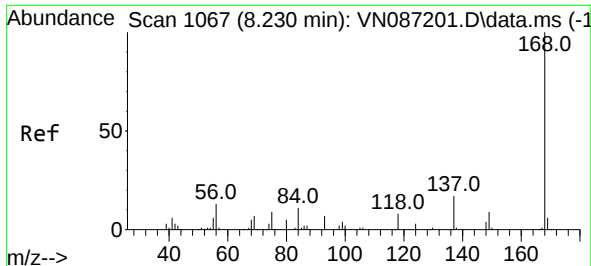
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
Data File : VN087208.D
Acq On : 27 Jun 2025 10:12
Operator : JC\MD
Sample : VN0627MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0627MBL01

Quant Time: Jun 27 23:39:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 27 05:55:21 2025
Response via : Initial Calibration

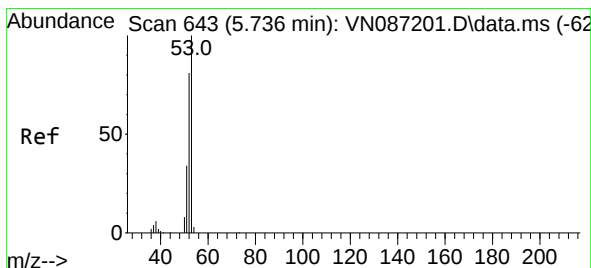
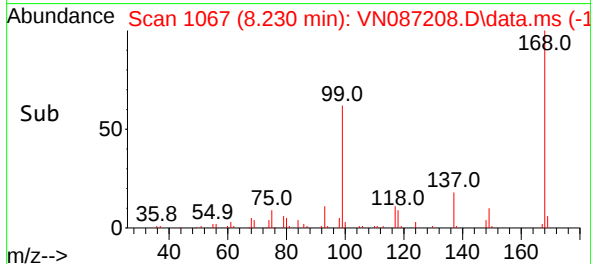
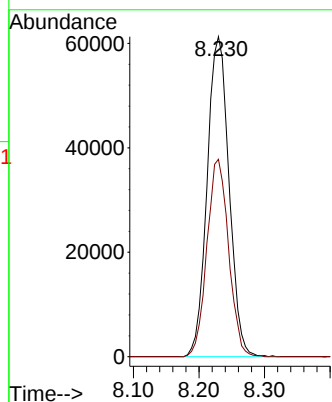
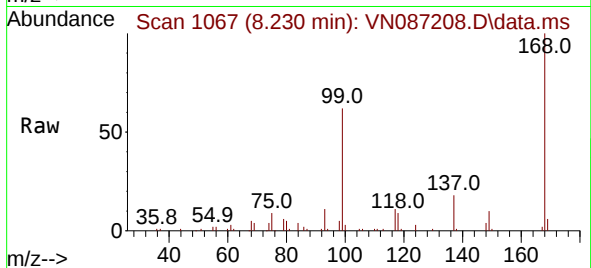




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

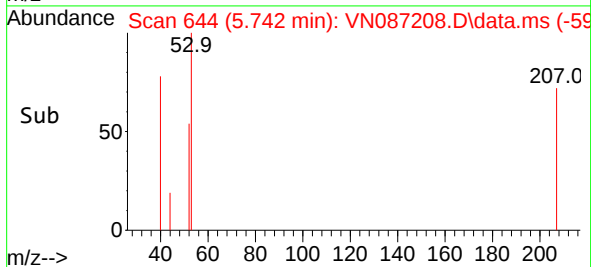
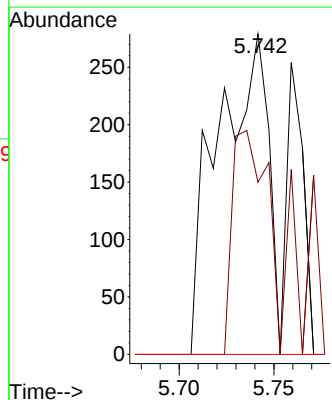
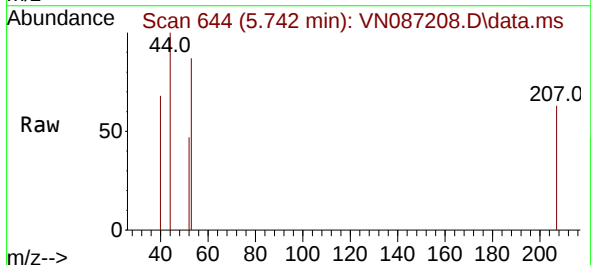
Instrument :
MSVOA_N
ClientSampleId :
VN0627MBL01

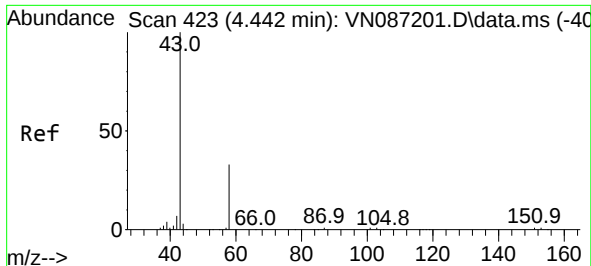
Tgt Ion:168 Resp: 142070
Ion Ratio Lower Upper
168 100
99 61.7 47.9 71.9



#15
Acrylonitrile
Concen: Below Cal
RT: 5.742 min Scan# 644
Delta R.T. 0.006 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

Tgt Ion: 53 Resp: 516
Ion Ratio Lower Upper
53 100
52 48.1 65.0 97.6#
51 0.0 27.8 41.6#

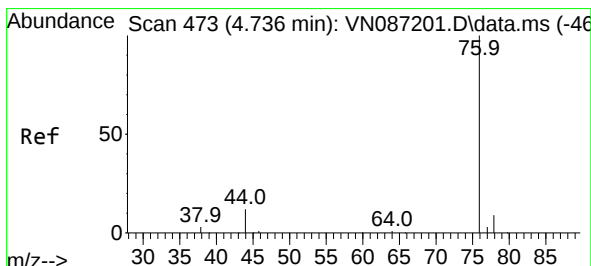
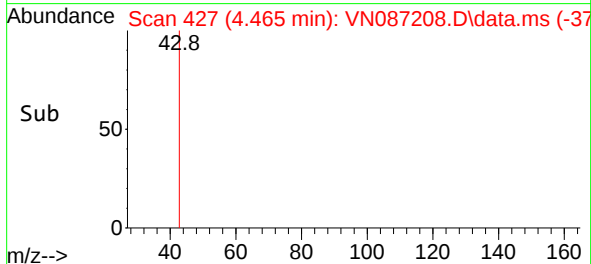
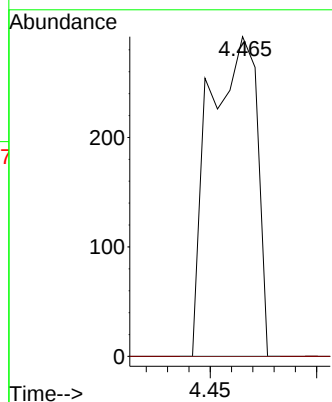
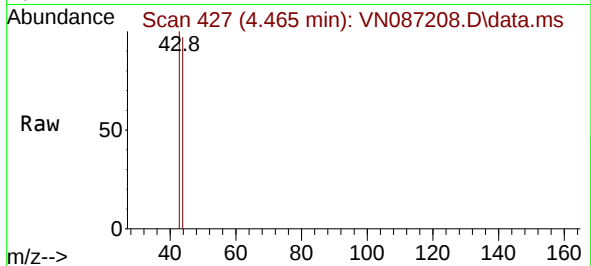




#16
Acetone
Concen: Below Cal
RT: 4.465 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

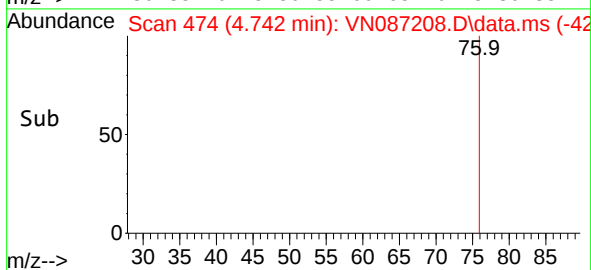
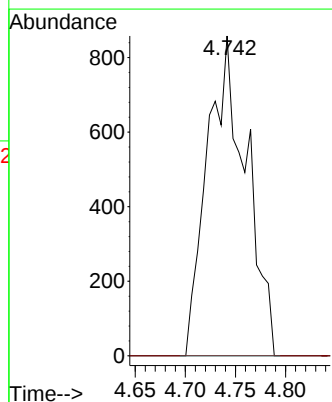
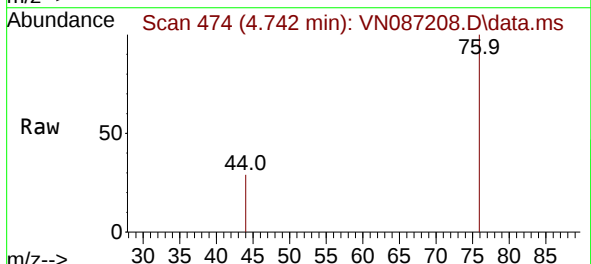
Instrument :
MSVOA_N
ClientSampleId :
VN0627MBL01

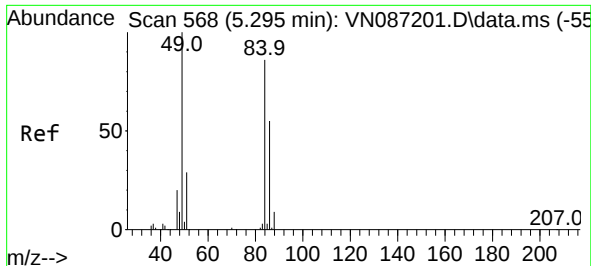
Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
58 0.0 26.5 39.7#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.742 min Scan# 474
Delta R.T. 0.006 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

Tgt Ion: 76 Resp: 2321
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

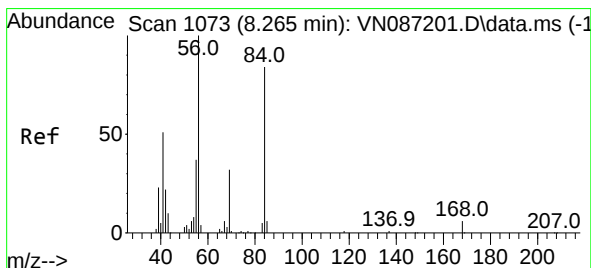
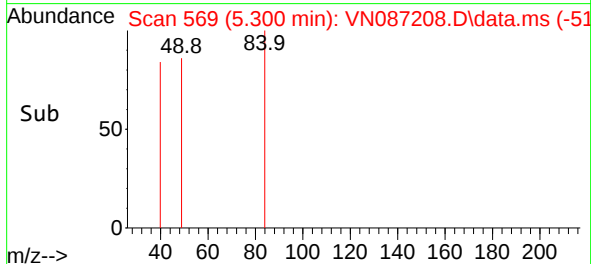
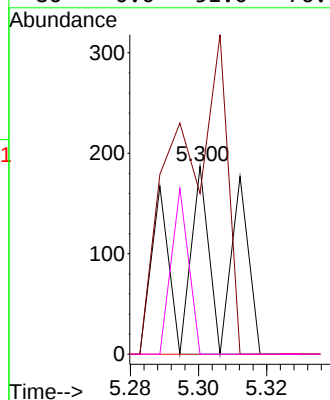
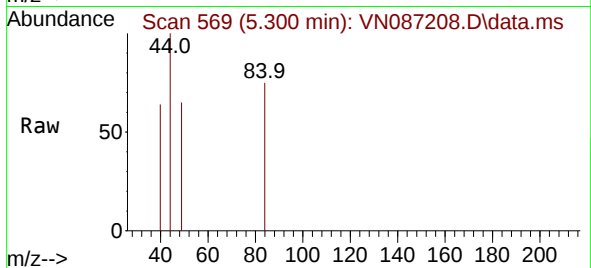




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

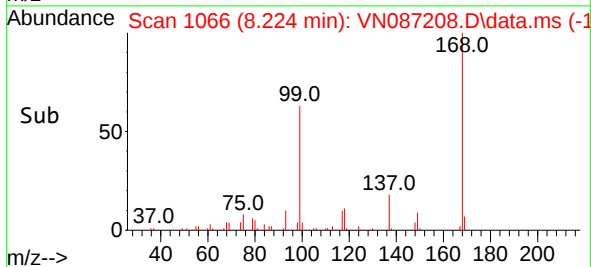
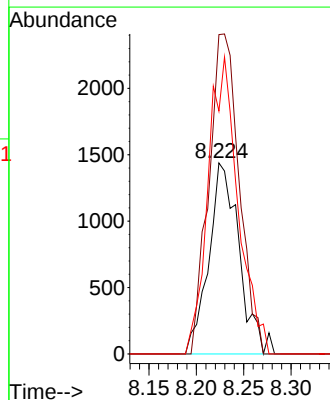
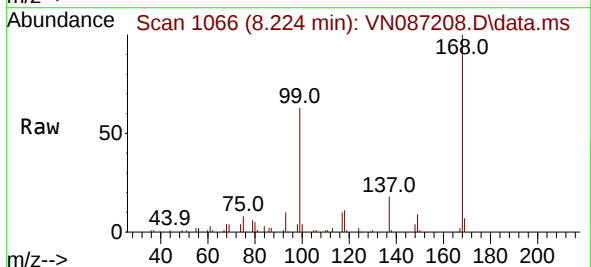
Instrument :
MSVOA_N
ClientSampleId :
VN0627MBL01

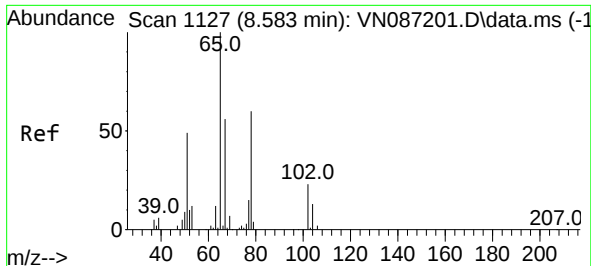
Tgt Ion:	84	Resp:	128
Ion	Ratio	Lower	Upper
84	100		
49	85.6	93.0	139.6#
51	0.0	27.2	40.8#
86	0.0	51.0	76.4#



#31
Cyclohexane
Concen: 1.012 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

Tgt Ion:	56	Resp:	3204
Ion	Ratio	Lower	Upper
56	100		
69	167.2	25.3	37.9#
84	127.2	67.4	101.0#





#33

1,2-Dichloroethane-d4

Concen: 53.520 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN087208.D

Acq: 27 Jun 2025 10:12

Instrument :

MSVOA_N

ClientSampleId :

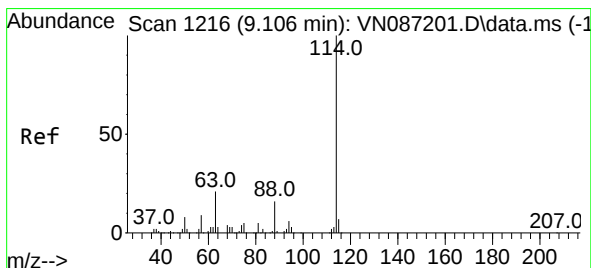
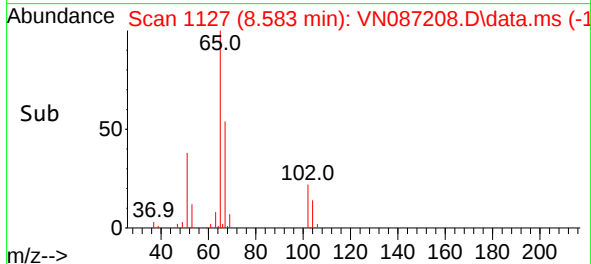
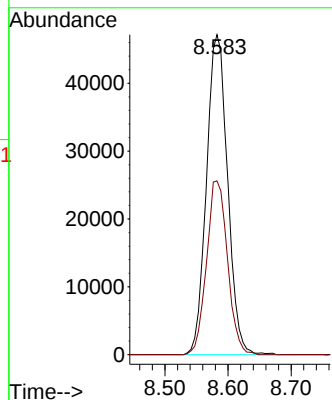
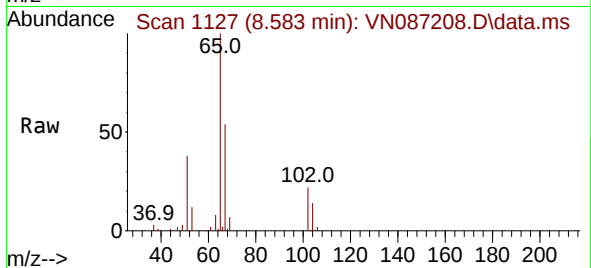
VN0627MBL01

Tgt Ion: 65 Resp: 109422

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087208.D

Acq: 27 Jun 2025 10:12

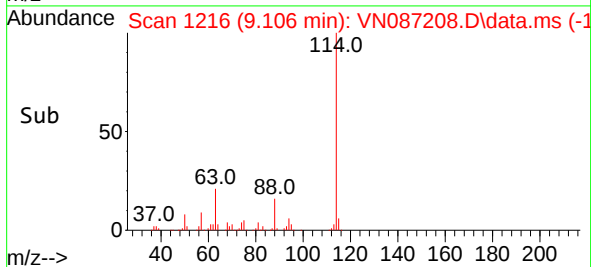
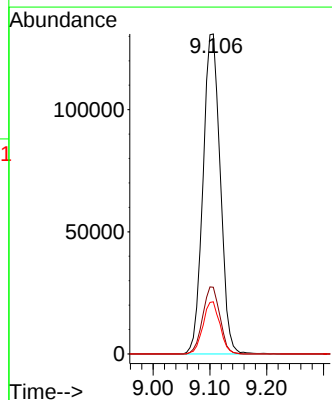
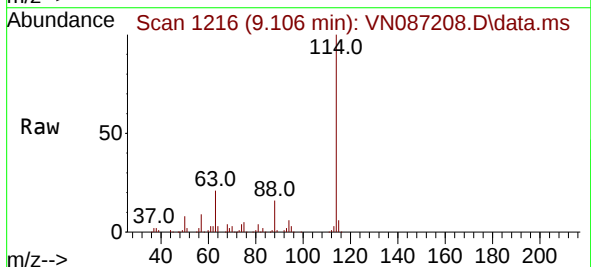
Tgt Ion: 114 Resp: 275807

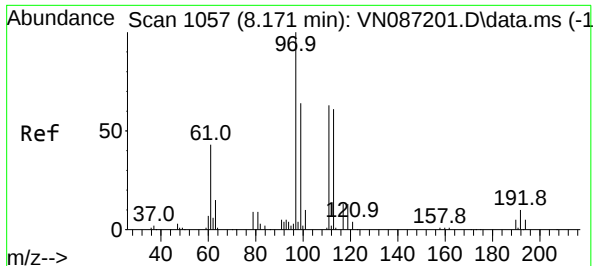
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.0

88 16.3 0.0 32.0

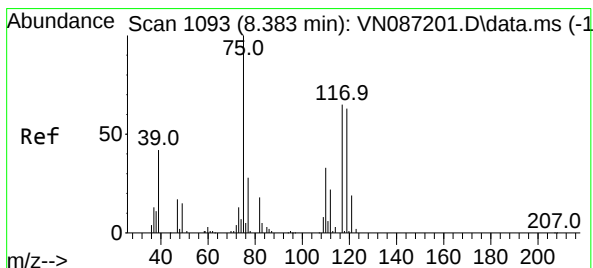
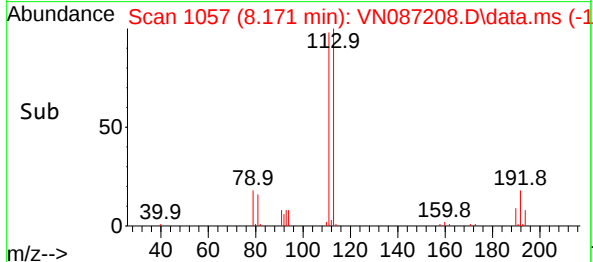
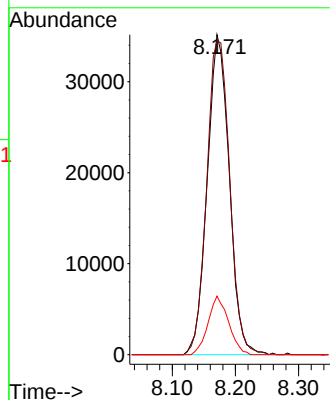
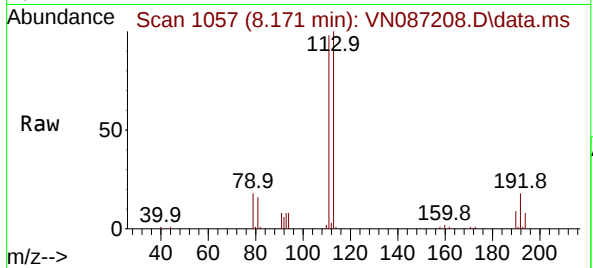




#35
 Dibromofluoromethane
 Concen: 47.767 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VN087208.D
 Acq: 27 Jun 2025 10:12

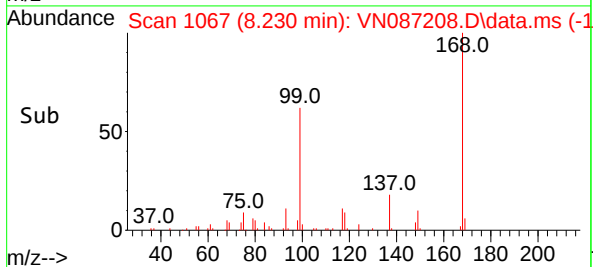
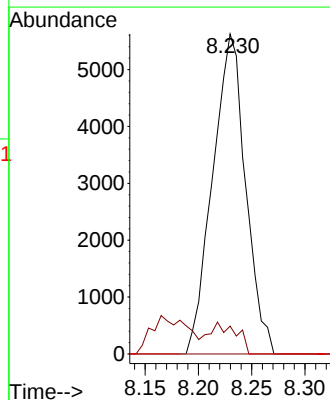
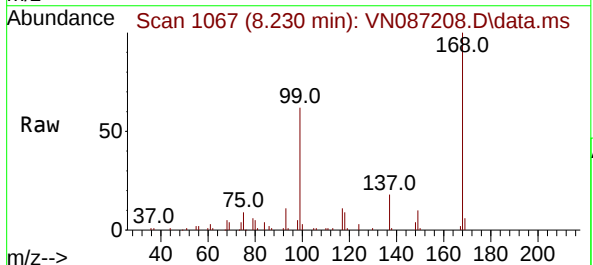
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627MBL01

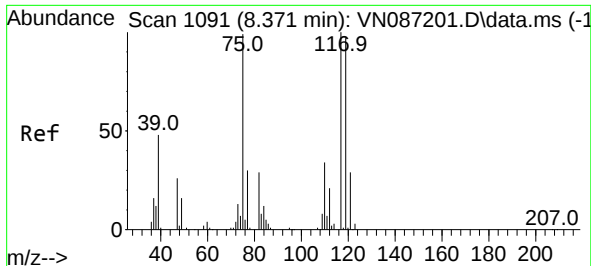
Tgt Ion:113 Resp: 85174
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 124.0
 192 17.1 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 4.630 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.153 min
 Lab File: VN087208.D
 Acq: 27 Jun 2025 10:12

Tgt Ion: 75 Resp: 12093
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.9 50.6#
 77 0.0 24.7 37.1#

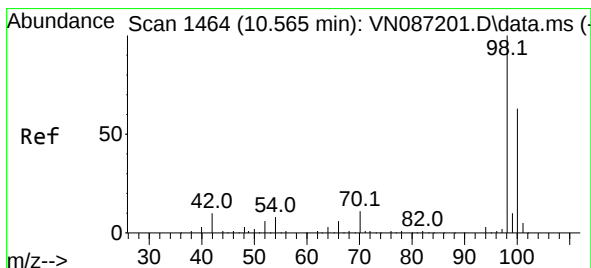
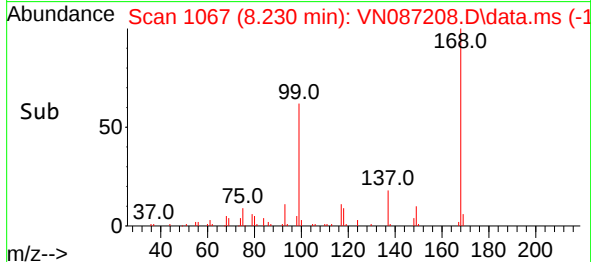
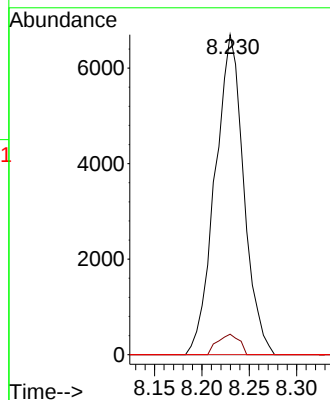
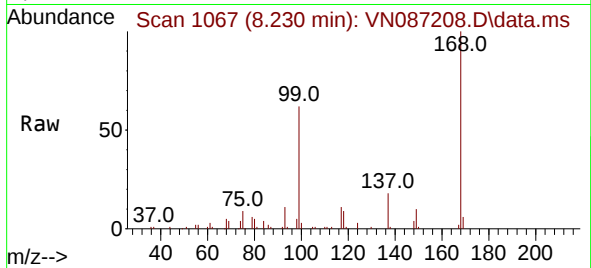




#38
Carbon Tetrachloride
Concen: 5.557 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

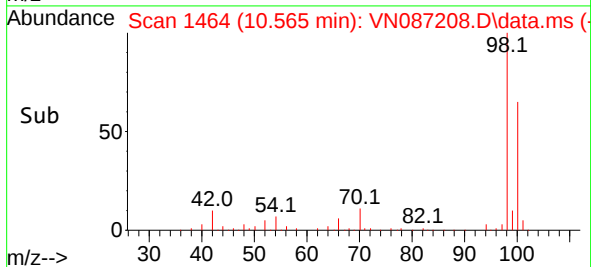
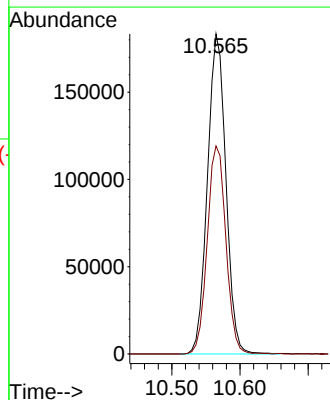
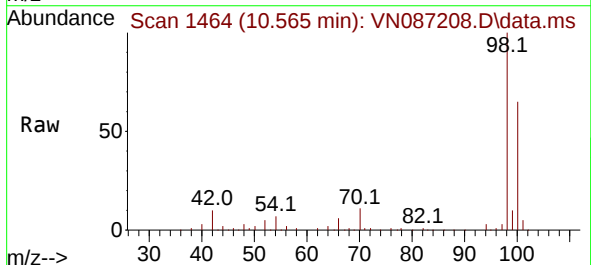
Instrument :
MSVOA_N
ClientSampleId :
VN0627MBL01

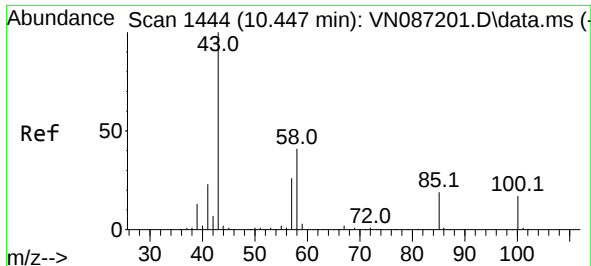
Tgt Ion:117 Resp: 14136
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 23.2 34.8#



#50
Toluene-d8
Concen: 46.758 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

Tgt Ion: 98 Resp: 344830
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: Below Cal

RT: 10.565 min Scan# 1444

Delta R.T. 0.118 min

Lab File: VN087208.D

Acq: 27 Jun 2025 10:12

Instrument :

MSVOA_N

ClientSampleId :

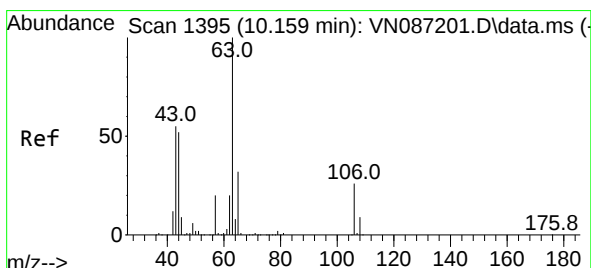
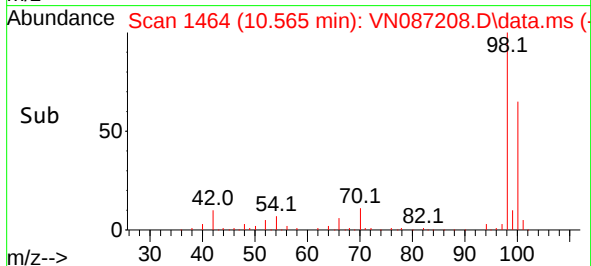
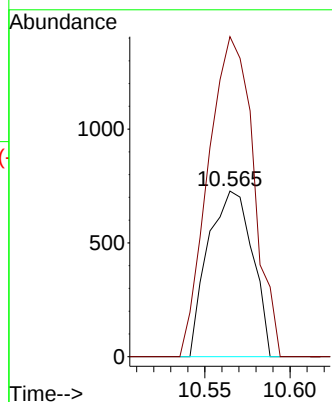
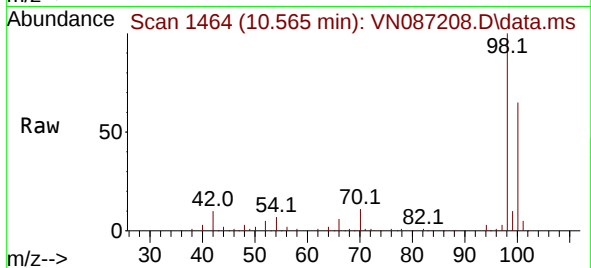
VN0627MBL01

Tgt Ion: 43 Resp: 1321

Ion Ratio Lower Upper

43 100

58 196.7 32.6 48.8#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 10.165 min Scan# 1396

Delta R.T. 0.006 min

Lab File: VN087208.D

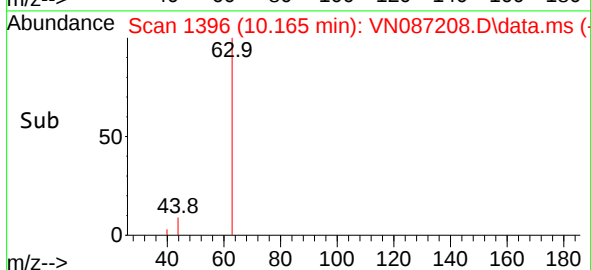
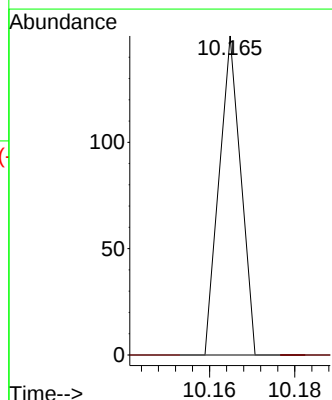
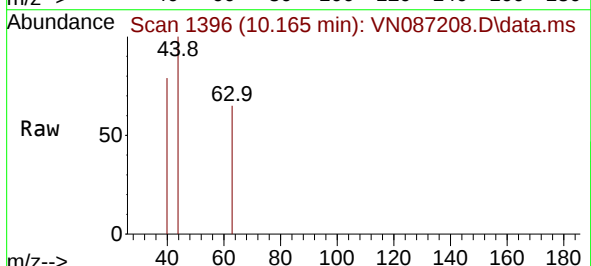
Acq: 27 Jun 2025 10:12

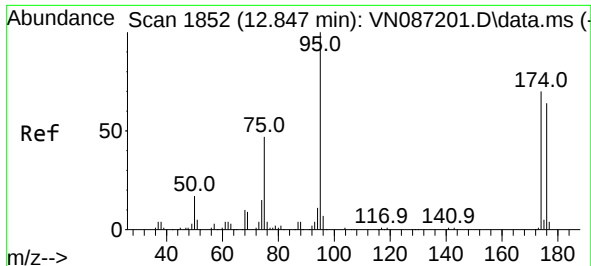
Tgt Ion: 63 Resp: 53

Ion Ratio Lower Upper

63 100

106 0.0 21.7 32.5#

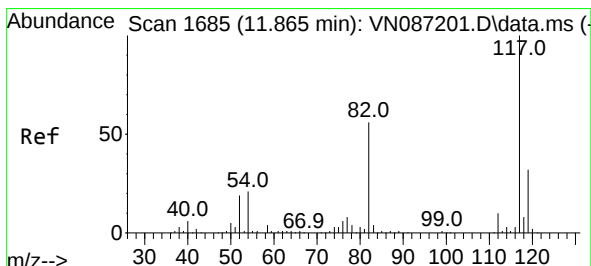
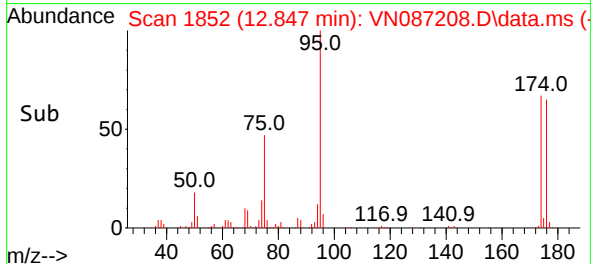
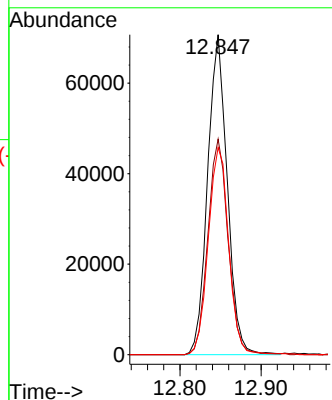
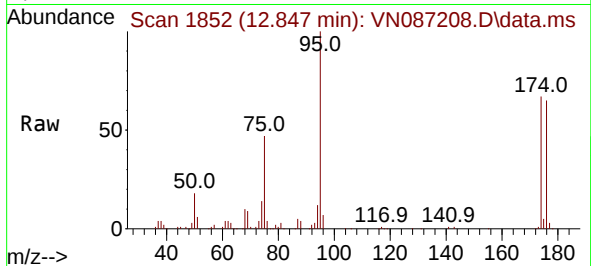




#62
4-Bromofluorobenzene
Concen: 46.387 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

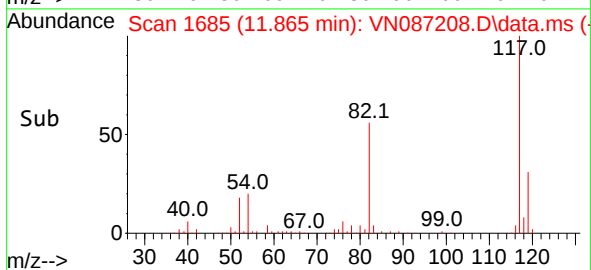
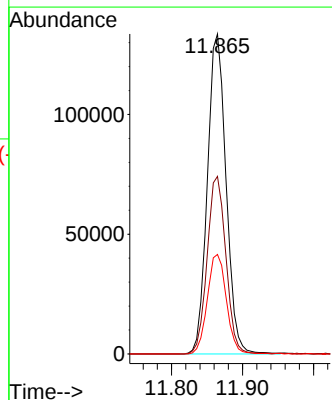
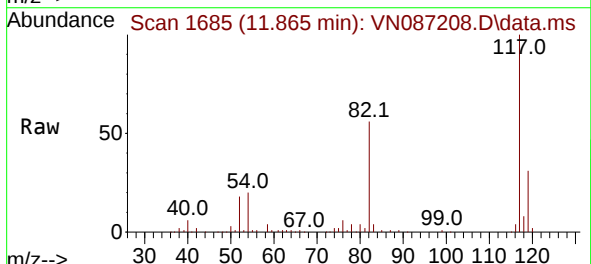
Instrument :
MSVOA_N
ClientSampleId :
VN0627MBL01

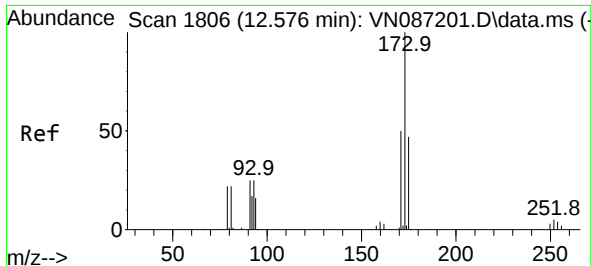
Tgt Ion: 95 Resp: 118704
Ion Ratio Lower Upper
95 100
174 69.6 0.0 142.2
176 67.5 0.0 134.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

Tgt Ion: 117 Resp: 244362
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 31.1 25.9 38.9

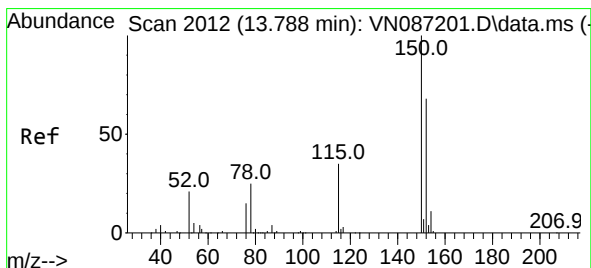
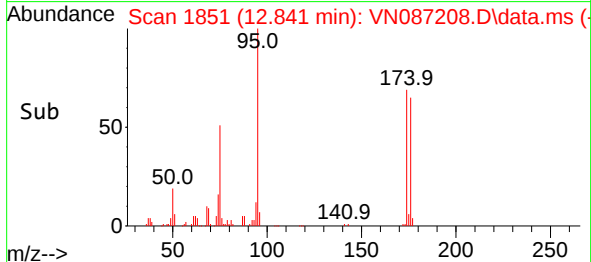
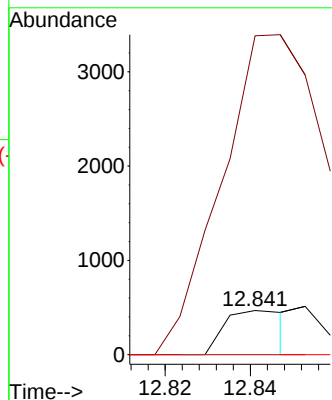
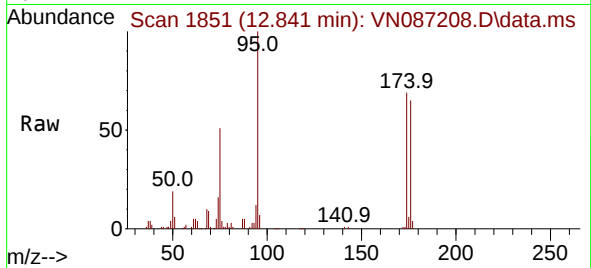




#71
Bromoform
Concen: 0.367 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

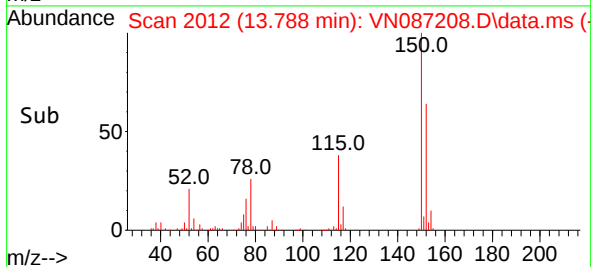
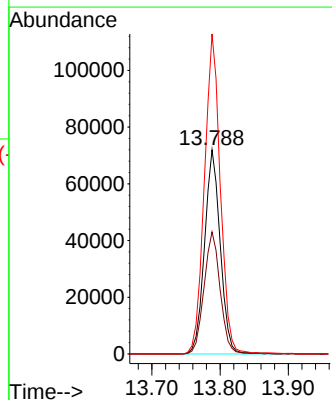
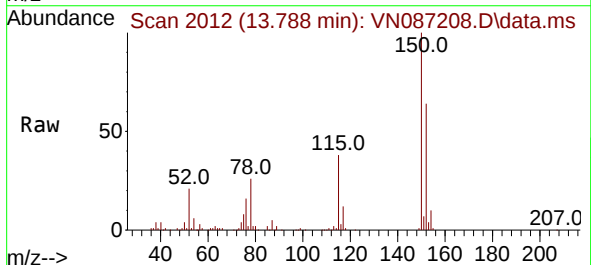
Instrument :
MSVOA_N
ClientSampleId :
VN0627MBL01

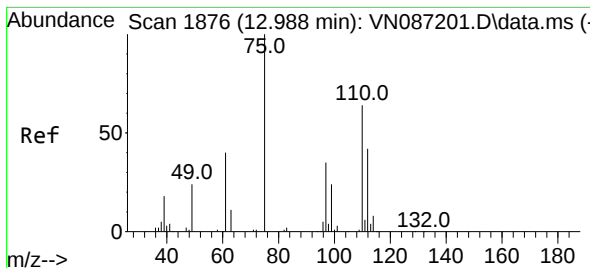
Tgt Ion:173 Resp: 471
Ion Ratio Lower Upper
173 100
175 1015.3 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

Tgt Ion:152 Resp: 115263
Ion Ratio Lower Upper
152 100
115 61.4 30.6 91.8
150 158.8 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 22.700 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN087208.D

Acq: 27 Jun 2025 10:12

Instrument :

MSVOA_N

ClientSampleId :

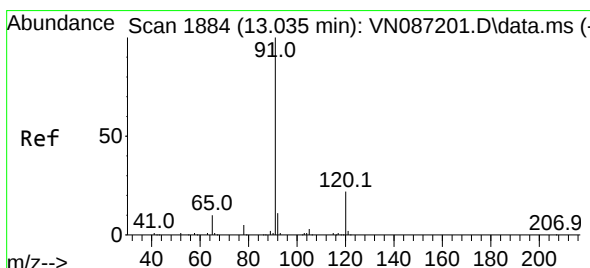
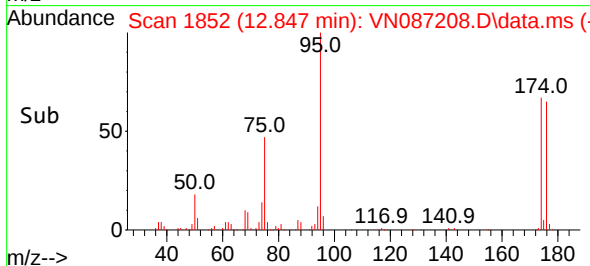
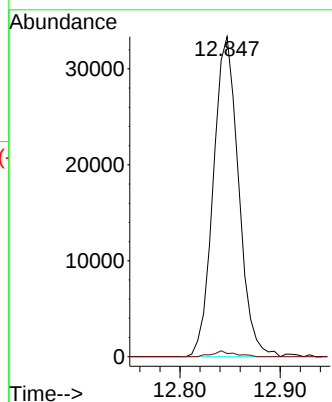
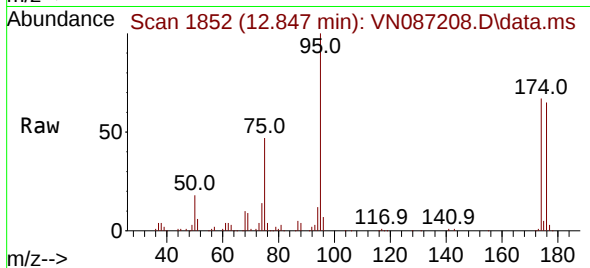
VN0627MBL01

Tgt Ion: 75 Resp: 58376

Ion Ratio Lower Upper

75 100

77 1.5 85.5 256.6#



#78

n-propylbenzene

Concen: 0.215 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VN087208.D

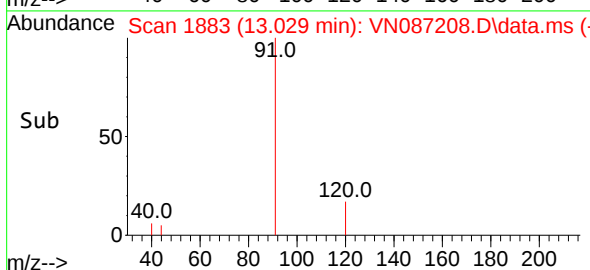
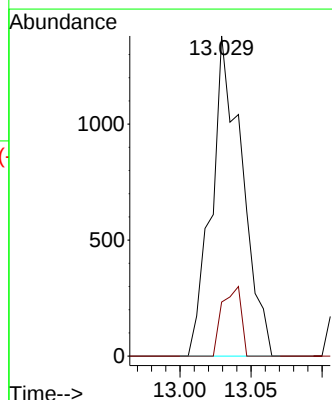
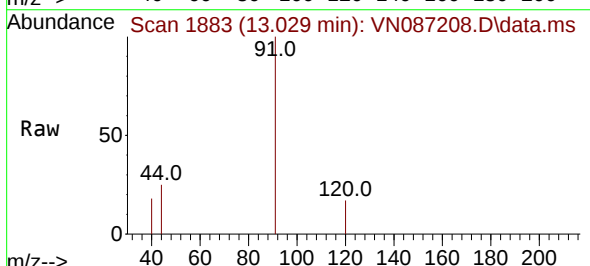
Acq: 27 Jun 2025 10:12

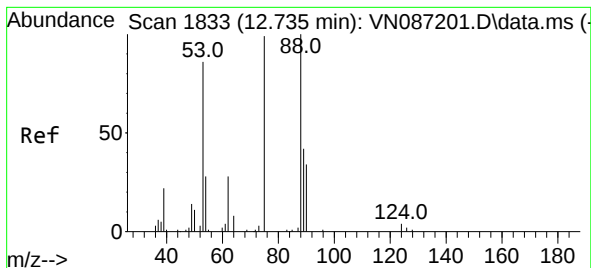
Tgt Ion: 91 Resp: 2068

Ion Ratio Lower Upper

91 100

120 13.4 11.5 34.4

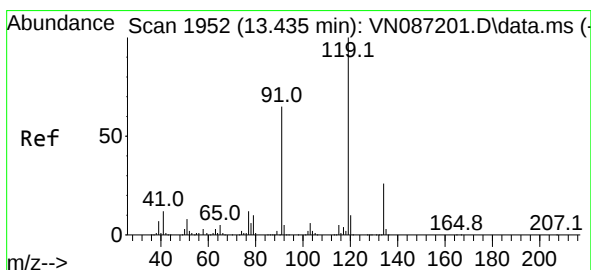
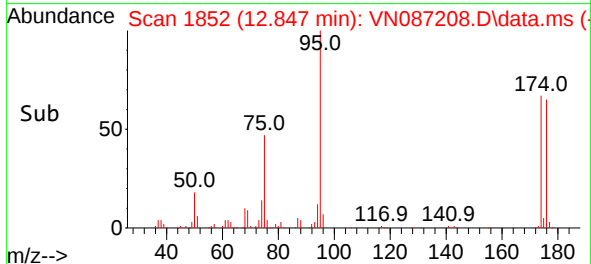
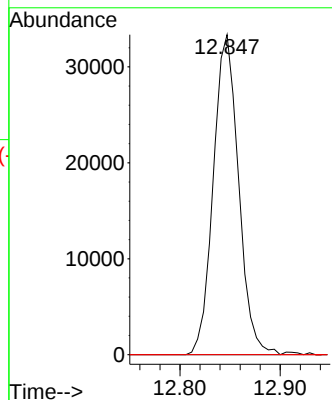
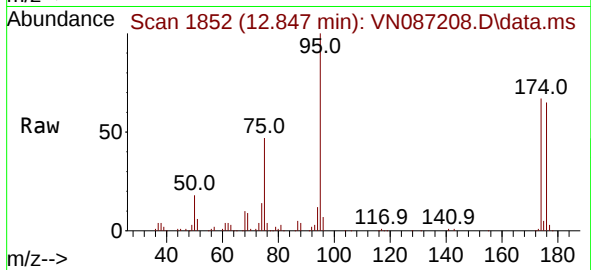




#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.947 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN087208.D
 Acq: 27 Jun 2025 10:12

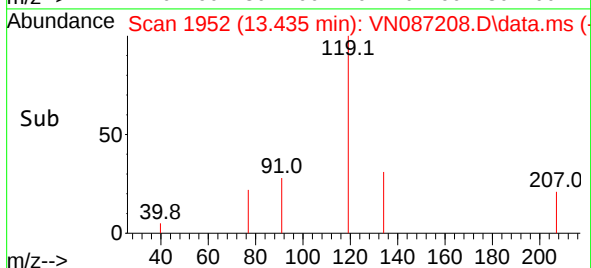
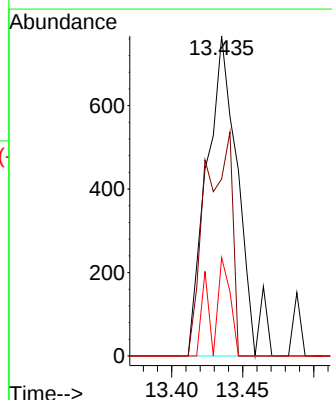
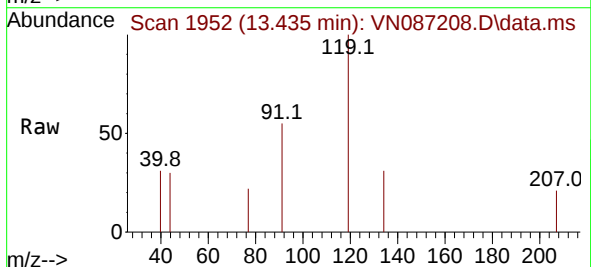
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627MBL01

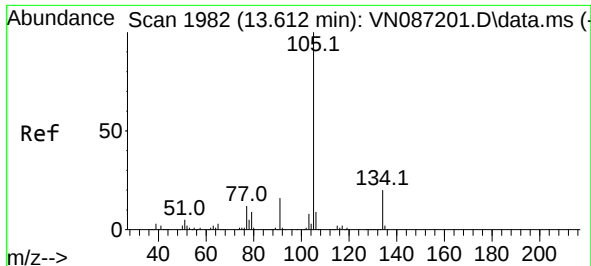
Tgt Ion: 75 Resp: 58376
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.0#
 89 0.0 37.9 56.9#



#83
 tert-Butylbenzene
 Concen: 0.214 ug/l
 RT: 13.435 min Scan# 1952
 Delta R.T. 0.000 min
 Lab File: VN087208.D
 Acq: 27 Jun 2025 10:12

Tgt Ion: 119 Resp: 1182
 Ion Ratio Lower Upper
 119 100
 91 59.3 32.9 98.7
 134 17.7 13.5 40.4

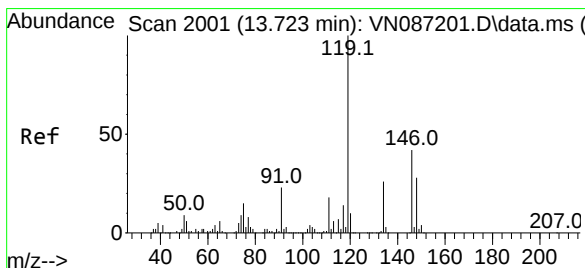
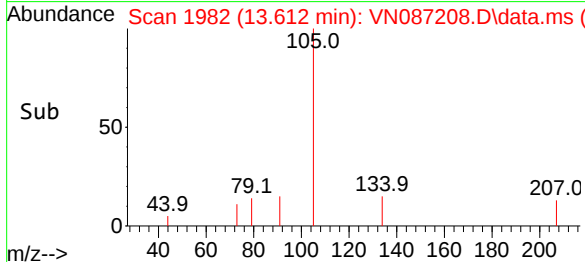
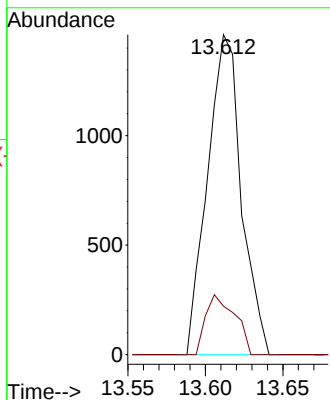
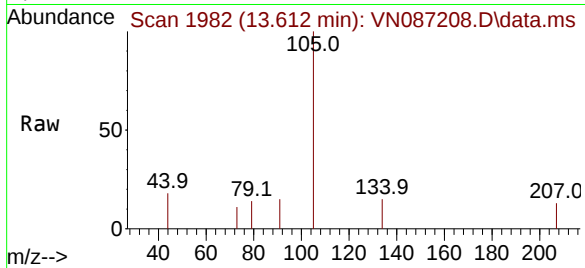




#85
 sec-Butylbenzene
 Concen: 0.272 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN087208.D
 Acq: 27 Jun 2025 10:12

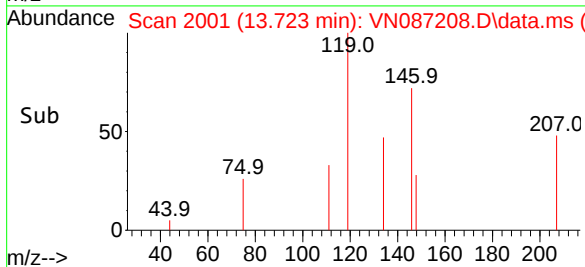
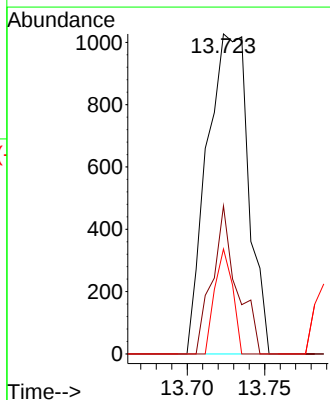
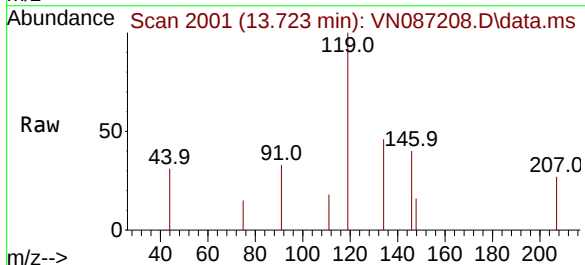
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627MBL01

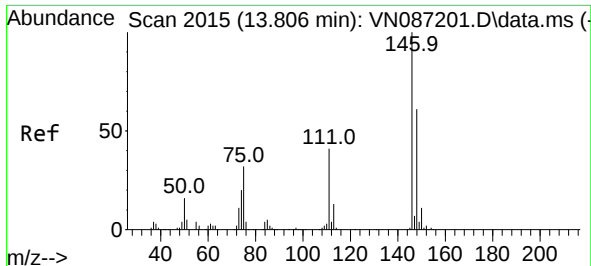
Tgt Ion:105 Resp: 2216
 Ion Ratio Lower Upper
 105 100
 134 16.2 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 0.284 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN087208.D
 Acq: 27 Jun 2025 10:12

Tgt Ion:119 Resp: 1902
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.4 40.1
 91 14.2 11.5 34.4

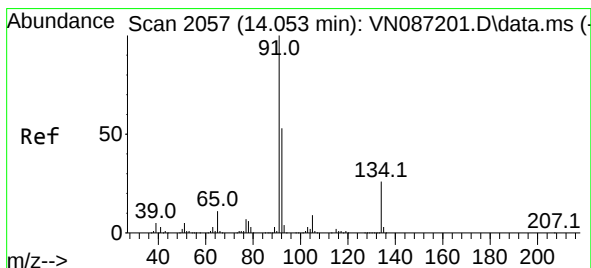
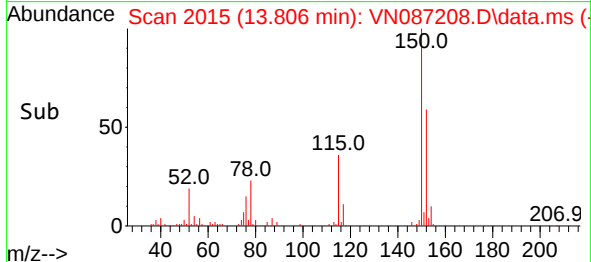
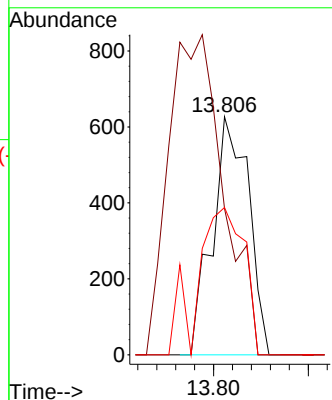
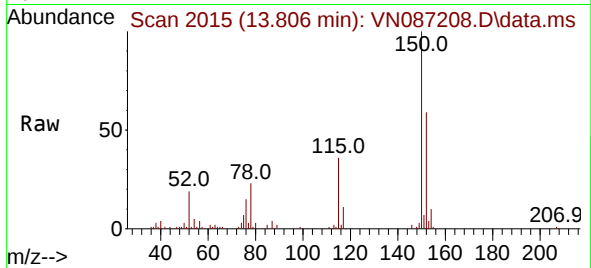




#88
 1,4-Dichlorobenzene
 Concen: 0.213 ug/l
 RT: 13.806 min Scan# 2015
 Delta R.T. 0.000 min
 Lab File: VN087208.D
 Acq: 27 Jun 2025 10:12

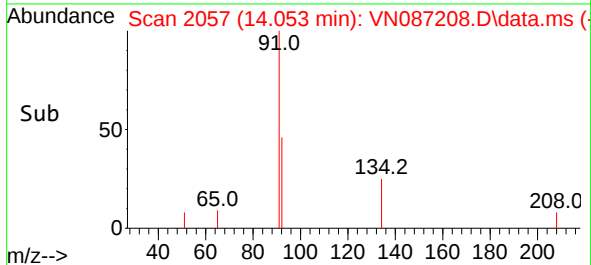
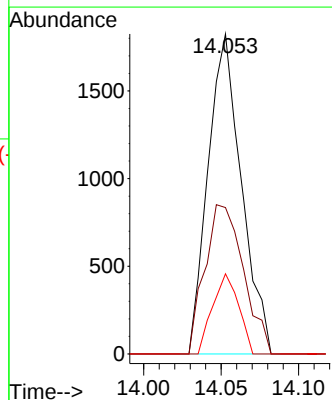
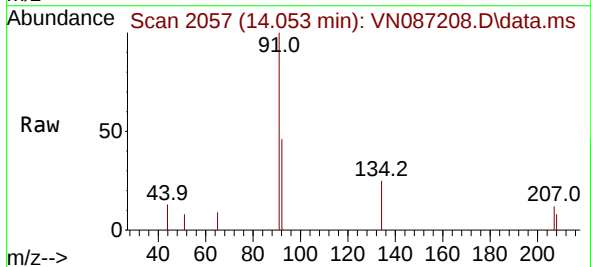
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627MBL01

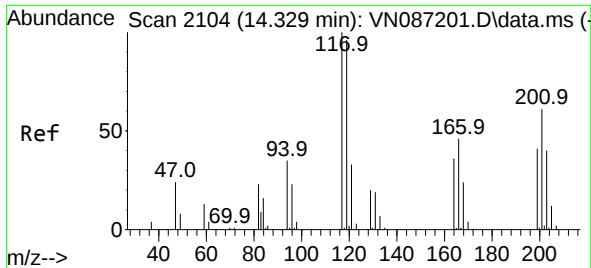
Tgt Ion:146 Resp: 834
 Ion Ratio Lower Upper
 146 100
 111 203.4 19.9 59.6#
 148 79.6 31.4 94.0



#89
 n-Butylbenzene
 Concen: 0.439 ug/l
 RT: 14.053 min Scan# 2057
 Delta R.T. 0.000 min
 Lab File: VN087208.D
 Acq: 27 Jun 2025 10:12

Tgt Ion: 91 Resp: 2729
 Ion Ratio Lower Upper
 91 100
 92 53.8 26.9 80.7
 134 19.5 12.8 38.4

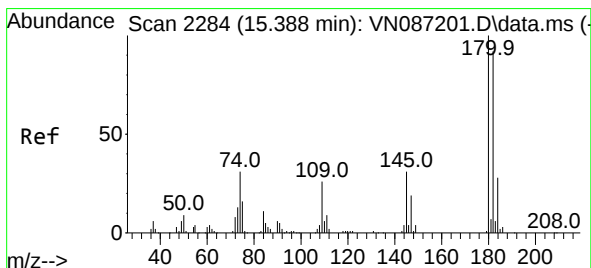
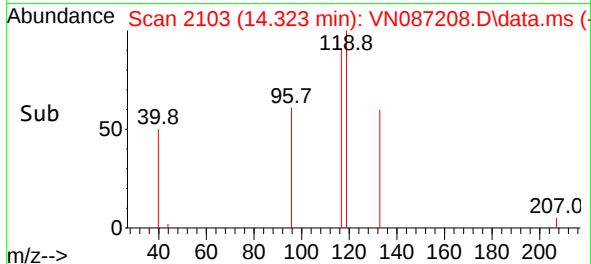
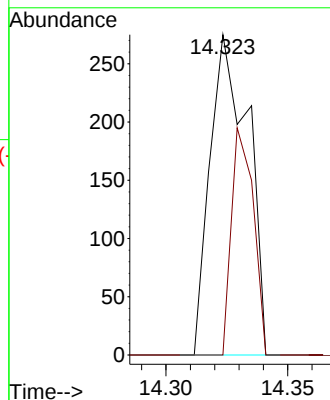
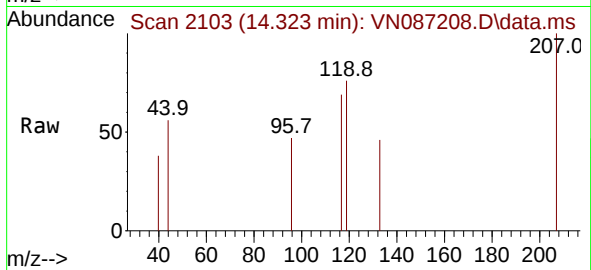




#90
Hexachloroethane
Concen: 0.230 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. -0.006 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

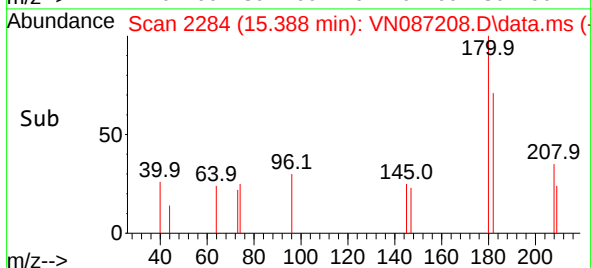
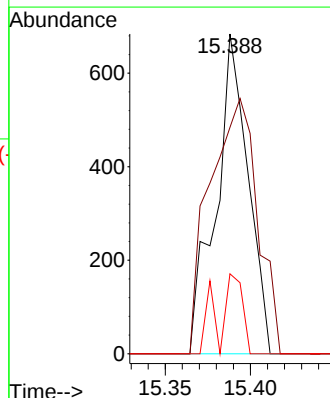
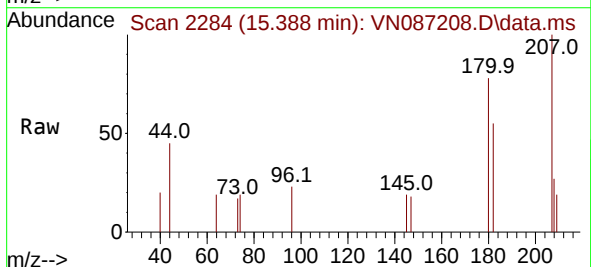
Instrument :
MSVOA_N
ClientSampleId :
VN0627MBL01

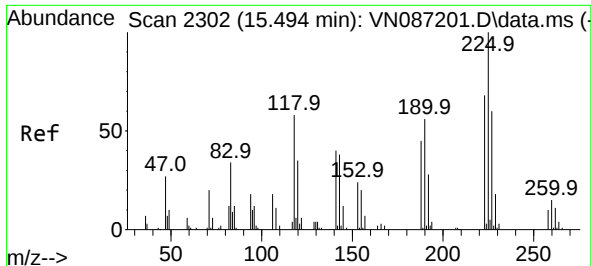
Tgt Ion:117 Resp: 298
Ion Ratio Lower Upper
117 100
201 40.9 31.8 95.3



#93
1,2,4-Trichlorobenzene
Concen: 0.449 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

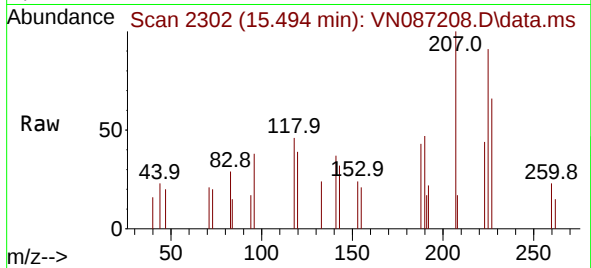
Tgt Ion:180 Resp: 899
Ion Ratio Lower Upper
180 100
182 118.2 47.1 141.3
145 18.8 16.2 48.5



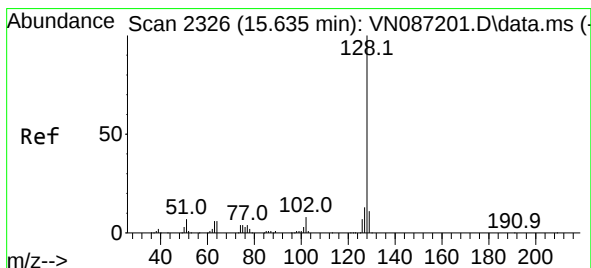
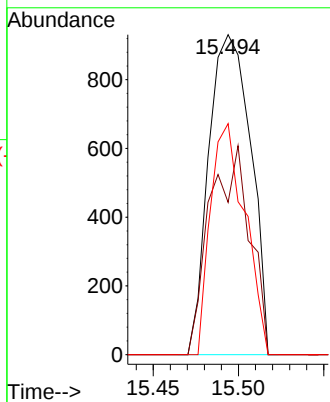
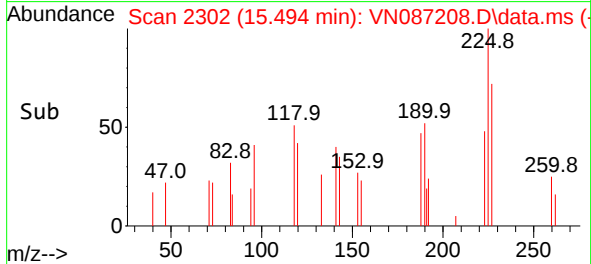


#94
Hexachlorobutadiene
Concen: 2.530 ug/l
RT: 15.494 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN0627MBL01

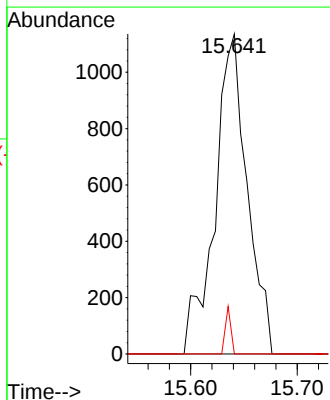
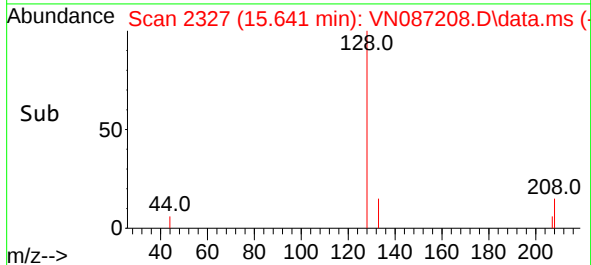
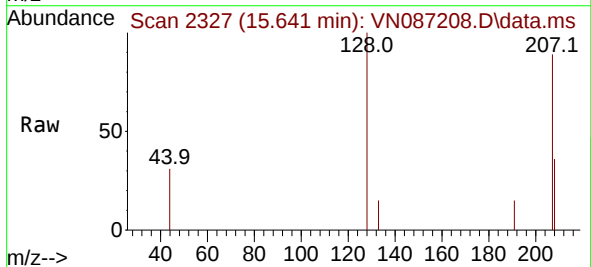


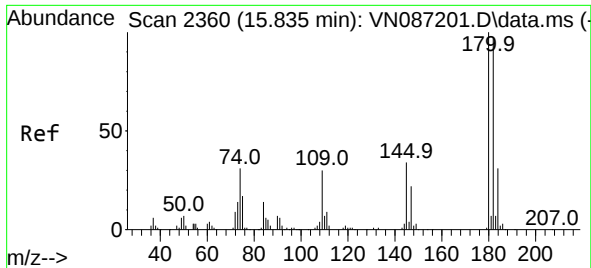
Tgt Ion:225 Resp: 1597
Ion Ratio Lower Upper
225 100
223 61.9 32.9 98.6
227 59.1 32.0 96.2



#95
Naphthalene
Concen: 0.314 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN087208.D
Acq: 27 Jun 2025 10:12

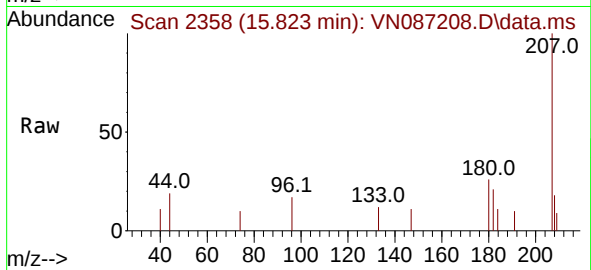
Tgt Ion:128 Resp: 2387
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 2.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.468 ug/l
 RT: 15.823 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN087208.D
 Acq: 27 Jun 2025 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627MBL01



Tgt Ion:180 Resp: 924
 Ion Ratio Lower Upper
 180 100
 182 91.0 47.5 142.6
 145 8.4 16.9 50.7#

