

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088023.D
 Acq On : 03 Oct 2025 14:59
 Operator : JC\MD
 Sample : Q3224-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 60490

Quant Time: Oct 04 02:57:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

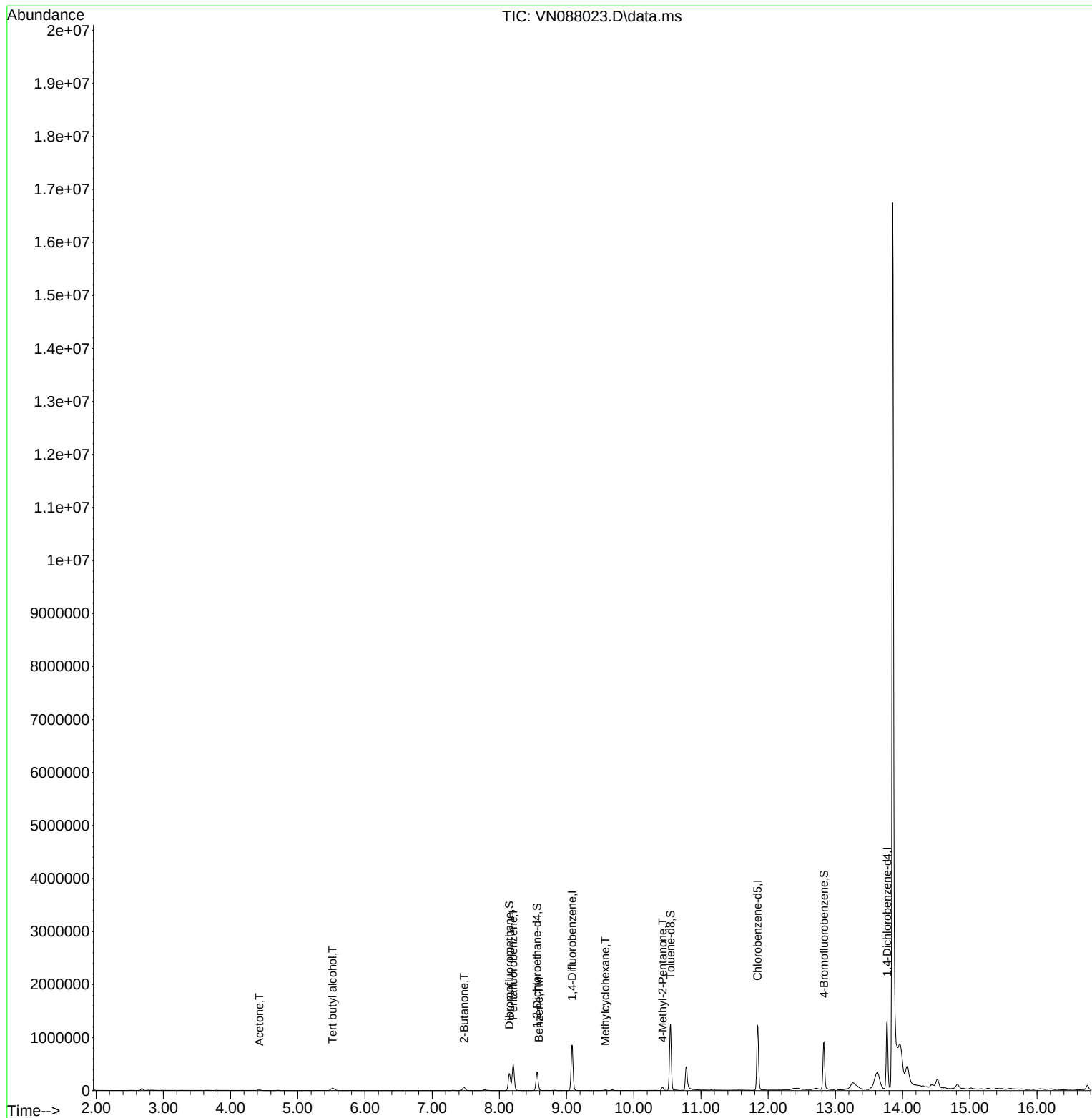
Internal Standards						
1) Pentafluorobenzene	8.206	168	341674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	735230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	710180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	360740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	279437	48.597	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.200%
35) Dibromofluoromethane	8.147	113	229660	43.022	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.040%
50) Toluene-d8	10.547	98	853981	45.492	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.980%
62) 4-Bromofluorobenzene	12.829	95	325825	48.558	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	87673	105.858	ug/l	100
16) Acetone	4.430	43	24689	10.436	ug/l	94
25) 2-Butanone	7.477	43	106421	29.430	ug/l	92
39) Methylcyclohexane	9.576	83	4469	0.631	ug/l #	75
40) Benzene	8.588	78	4914	0.231	ug/l	97
51) 4-Methyl-2-Pentanone	10.429	43	44590	5.386	ug/l	100

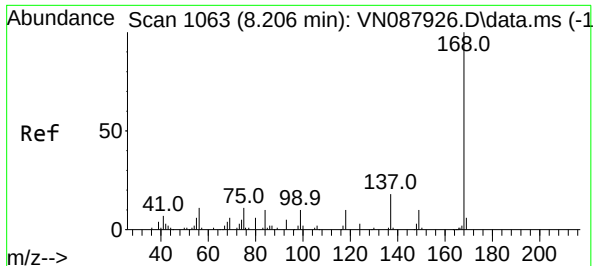
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 24 05:05:30 2025
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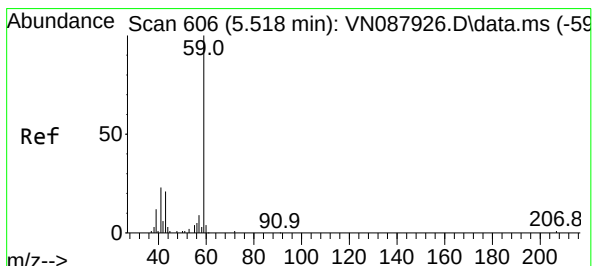
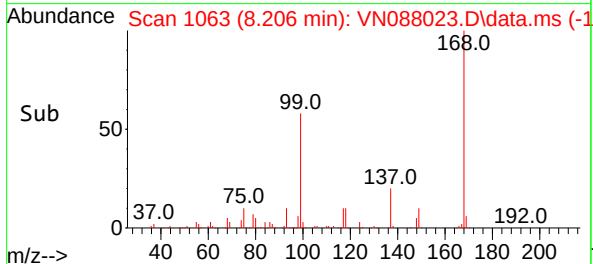
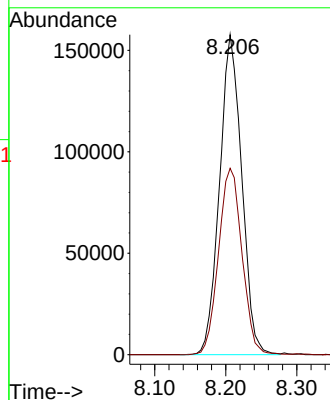
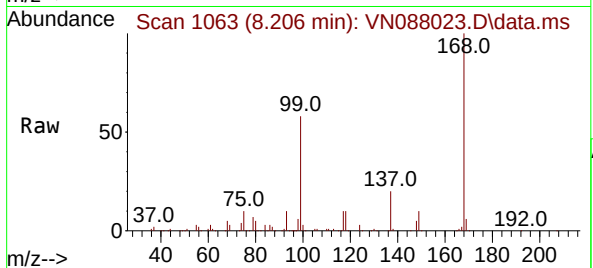




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

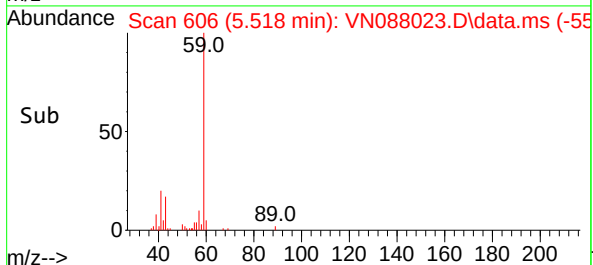
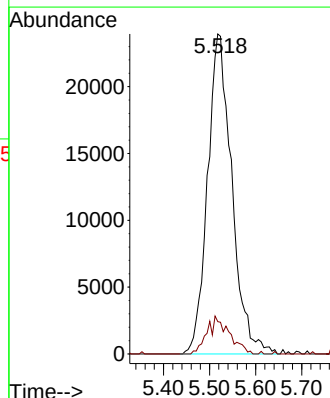
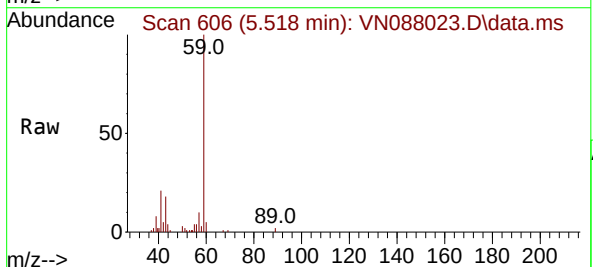
Instrument :
MSVOA_N
ClientSampleId :
60490

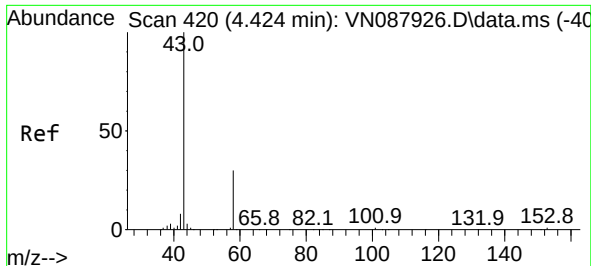
Tgt Ion:168 Resp: 341674
Ion Ratio Lower Upper
168 100
99 58.3 52.2 78.2



#11
Tert butyl alcohol
Concen: 105.858 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

Tgt Ion: 59 Resp: 87673
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2

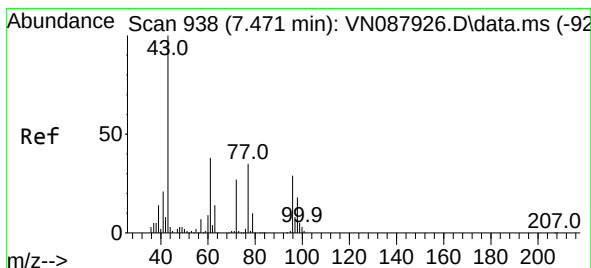
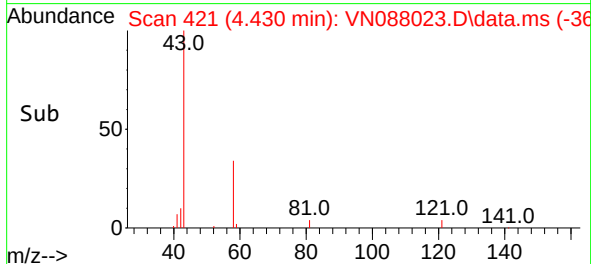
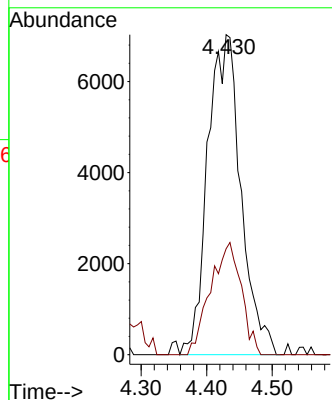
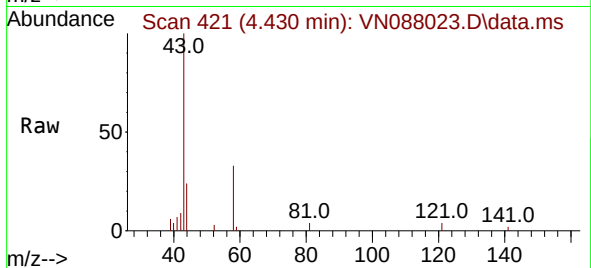




#16
Acetone
Concen: 10.436 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

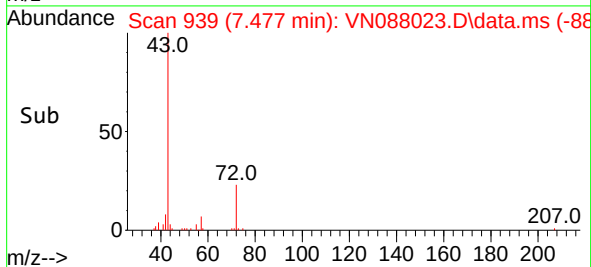
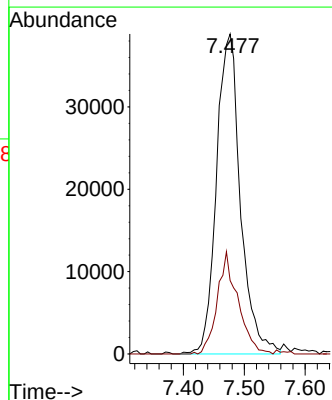
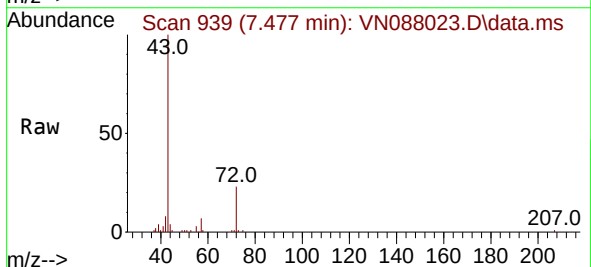
Instrument :
MSVOA_N
ClientSampleId :
60490

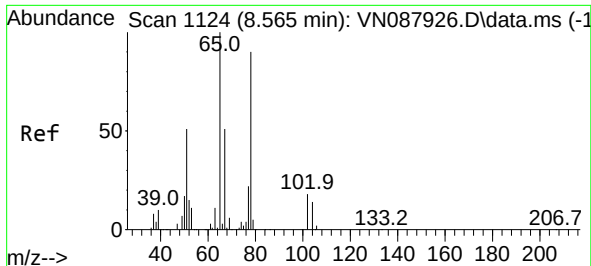
Tgt Ion: 43 Resp: 24689
Ion Ratio Lower Upper
43 100
58 33.1 24.1 36.1



#25
2-Butanone
Concen: 29.430 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

Tgt Ion: 43 Resp: 106421
Ion Ratio Lower Upper
43 100
72 23.0 21.5 32.3





#33

1,2-Dichloroethane-d4

Concen: 48.597 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN088023.D

Acq: 03 Oct 2025 14:59

Instrument :

MSVOA_N

ClientSampleId :

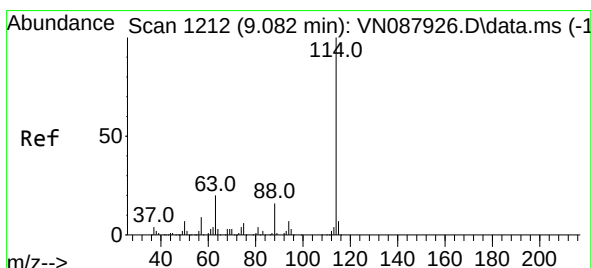
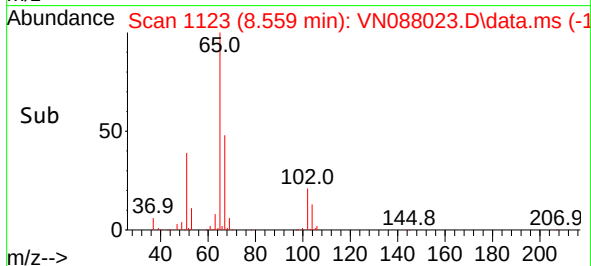
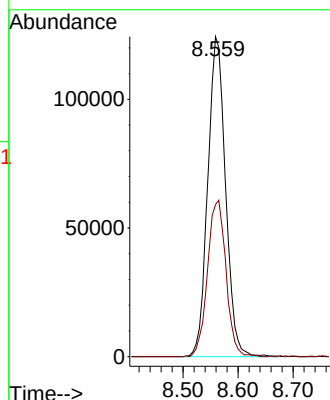
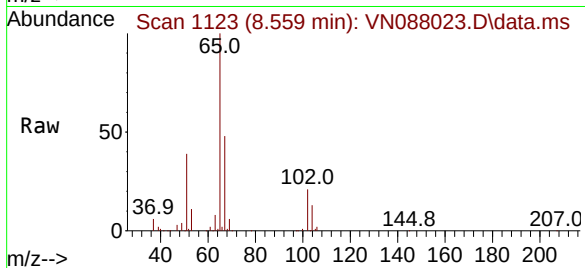
60490

Tgt Ion: 65 Resp: 279437

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088023.D

Acq: 03 Oct 2025 14:59

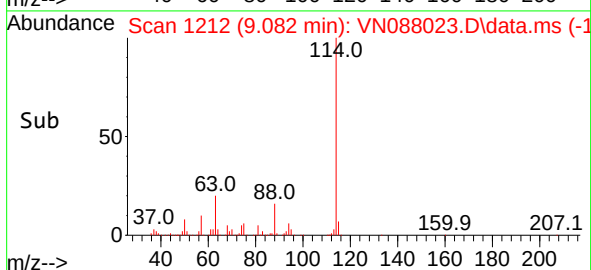
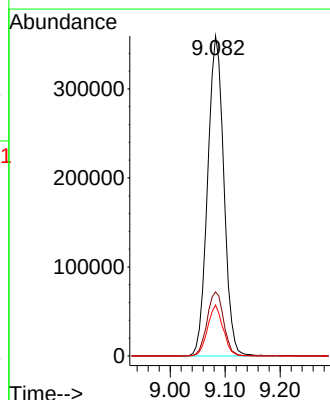
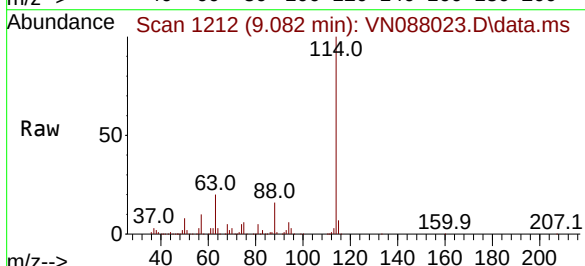
Tgt Ion: 114 Resp: 735230

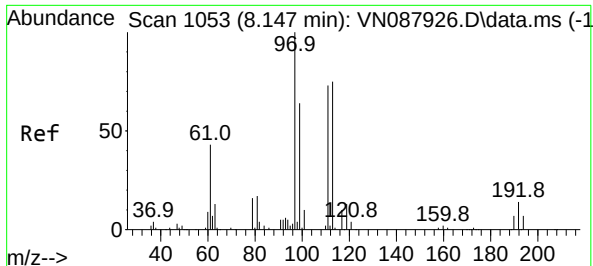
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.9 0.0 31.8

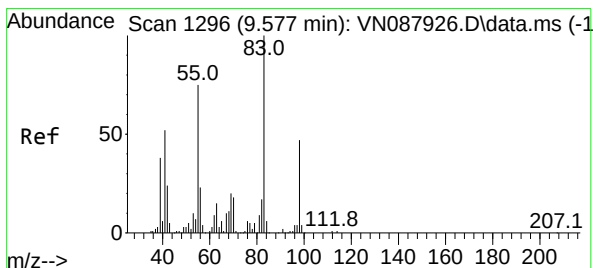
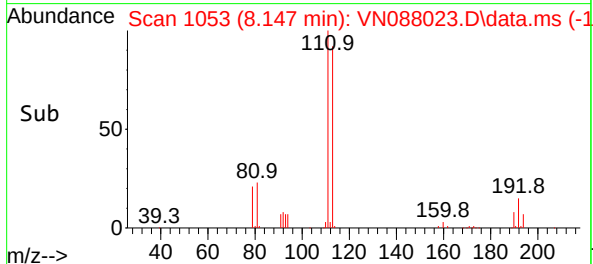
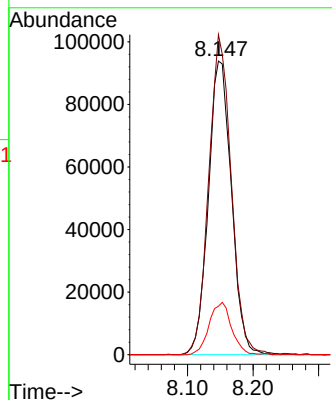
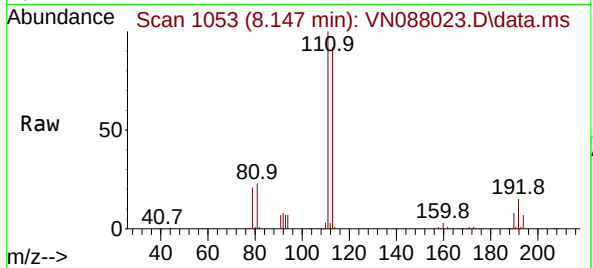




#35
Dibromofluoromethane
Concen: 43.022 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

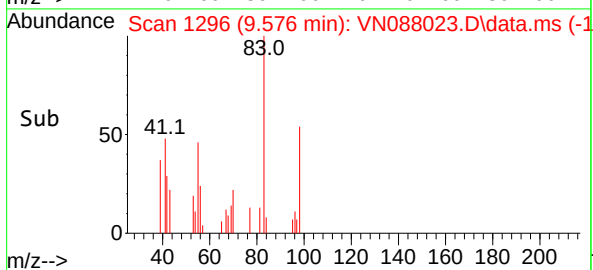
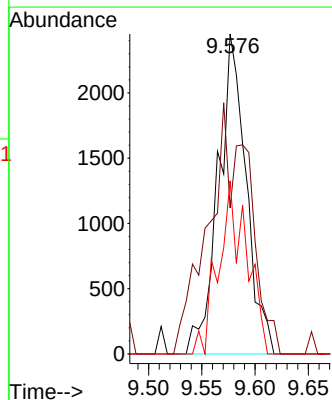
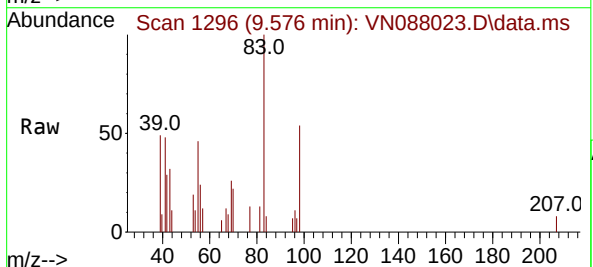
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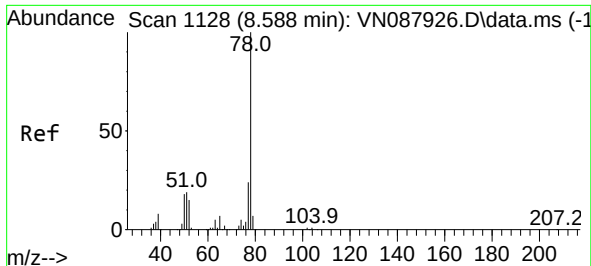
Tgt Ion:113 Resp: 229660
Ion Ratio Lower Upper
113 100
111 105.8 82.2 123.2
192 17.3 14.2 21.2



#39
Methylcyclohexane
Concen: 0.631 ug/l
RT: 9.576 min Scan# 1296
Delta R.T. -0.000 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

Tgt Ion: 83 Resp: 4469
Ion Ratio Lower Upper
83 100
55 45.6 59.9 89.9#
98 54.1 37.4 56.2

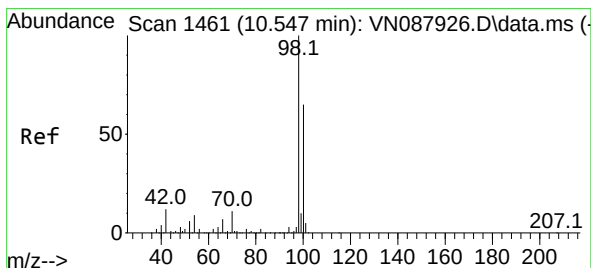
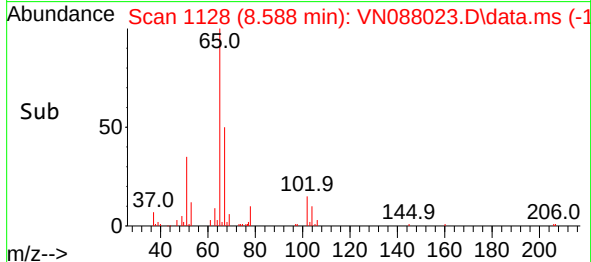
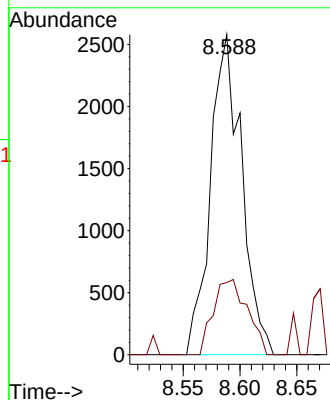
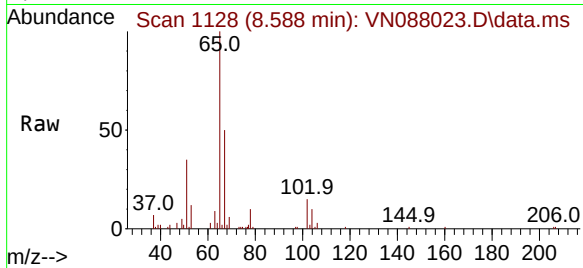




#40
Benzene
Concen: 0.231 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

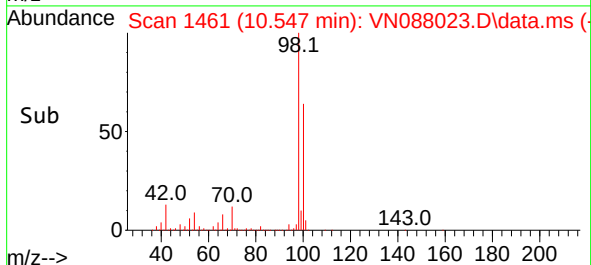
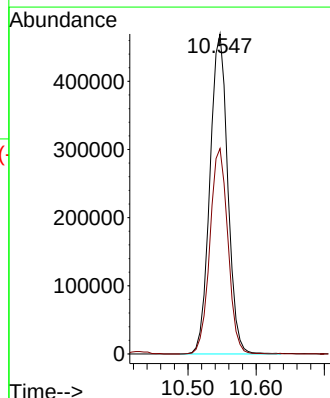
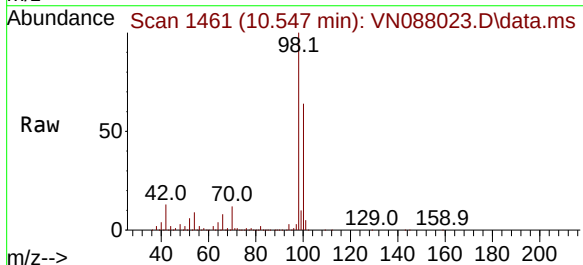
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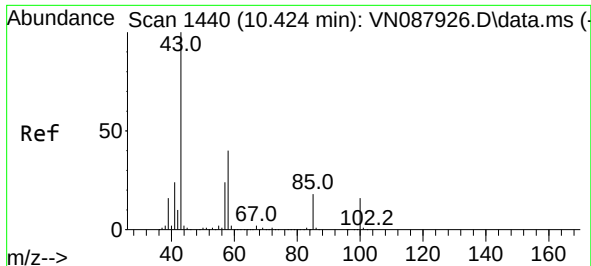
Tgt Ion: 78 Resp: 4914
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.6



#50
Toluene-d8
Concen: 45.492 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

Tgt Ion: 98 Resp: 853981
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

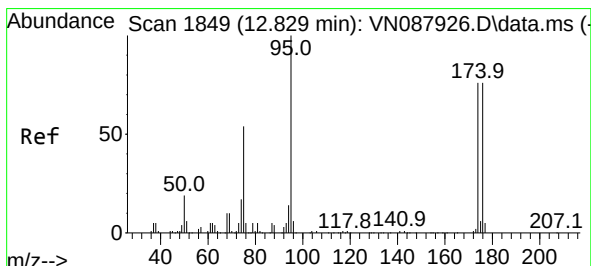
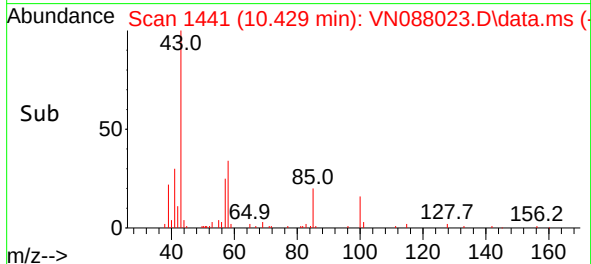
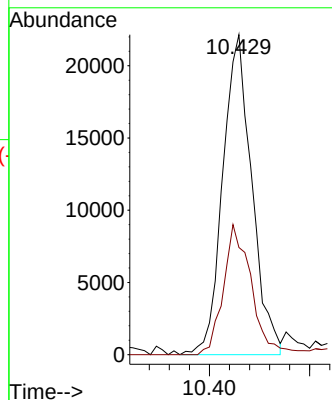
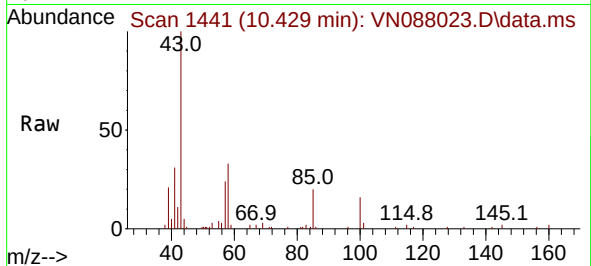




#51
4-Methyl-2-Pentanone
Concen: 5.386 ug/l
RT: 10.429 min Scan# 1440
Delta R.T. 0.006 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

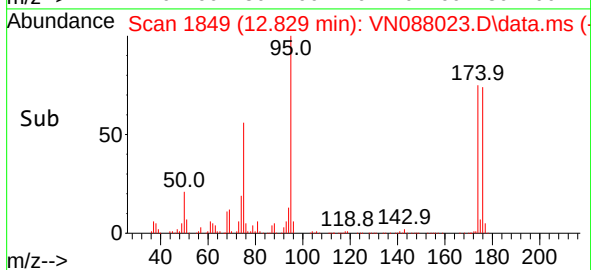
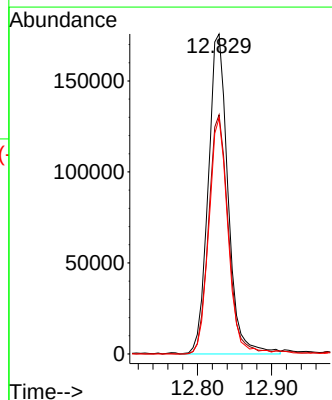
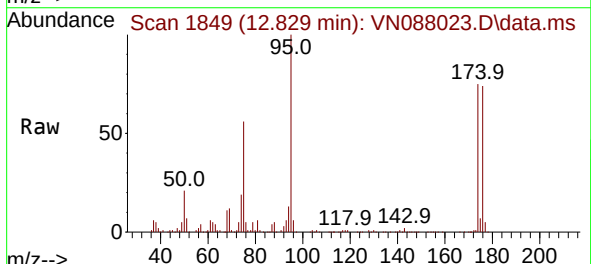
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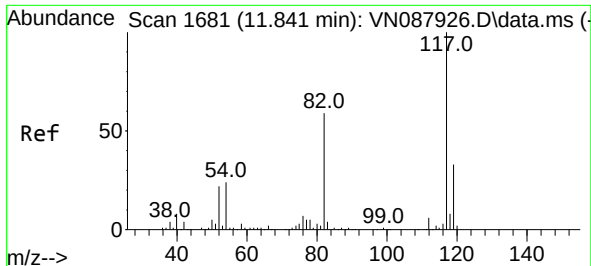
Tgt Ion: 43 Resp: 44590
Ion Ratio Lower Upper
43 100
58 39.0 31.0 46.6



#62
4-Bromofluorobenzene
Concen: 48.558 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

Tgt Ion: 95 Resp: 325825
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.2
176 71.3 0.0 152.6

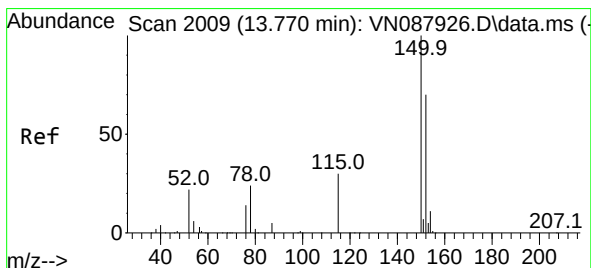
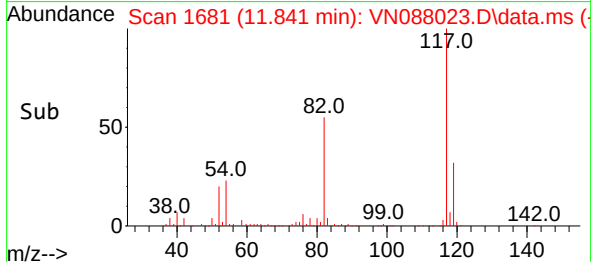
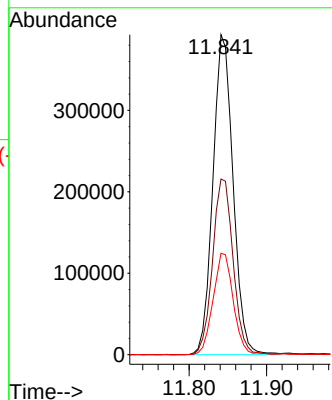
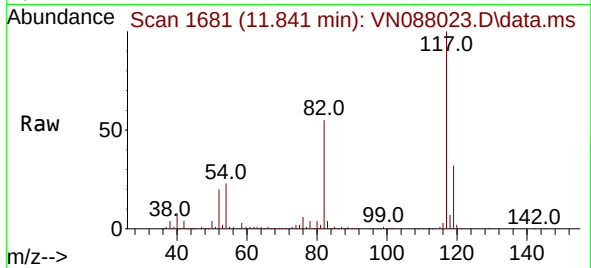




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

Instrument :
MSVOA_N
ClientSampleId :
60490

Tgt Ion:117 Resp: 710180
Ion Ratio Lower Upper
117 100
82 54.9 47.0 70.4
119 31.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088023.D
Acq: 03 Oct 2025 14:59

Tgt Ion:152 Resp: 360740
Ion Ratio Lower Upper
152 100
115 60.1 29.9 89.7
150 157.4 0.0 335.0

