

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086327.D
 Acq On : 17 Apr 2025 17:18
 Operator : JC\MD
 Sample : Q1824-01DL 40X
 Misc : 1.14g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 284DL

Quant Time: Apr 18 01:33:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	209826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	395195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	179339	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	145501	47.820	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.640%
35) Dibromofluoromethane	8.165	113	102041	55.634	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.260%
50) Toluene-d8	10.565	98	507164	51.738	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.480%
62) 4-Bromofluorobenzene	12.847	95	199389	55.767	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	111.540%

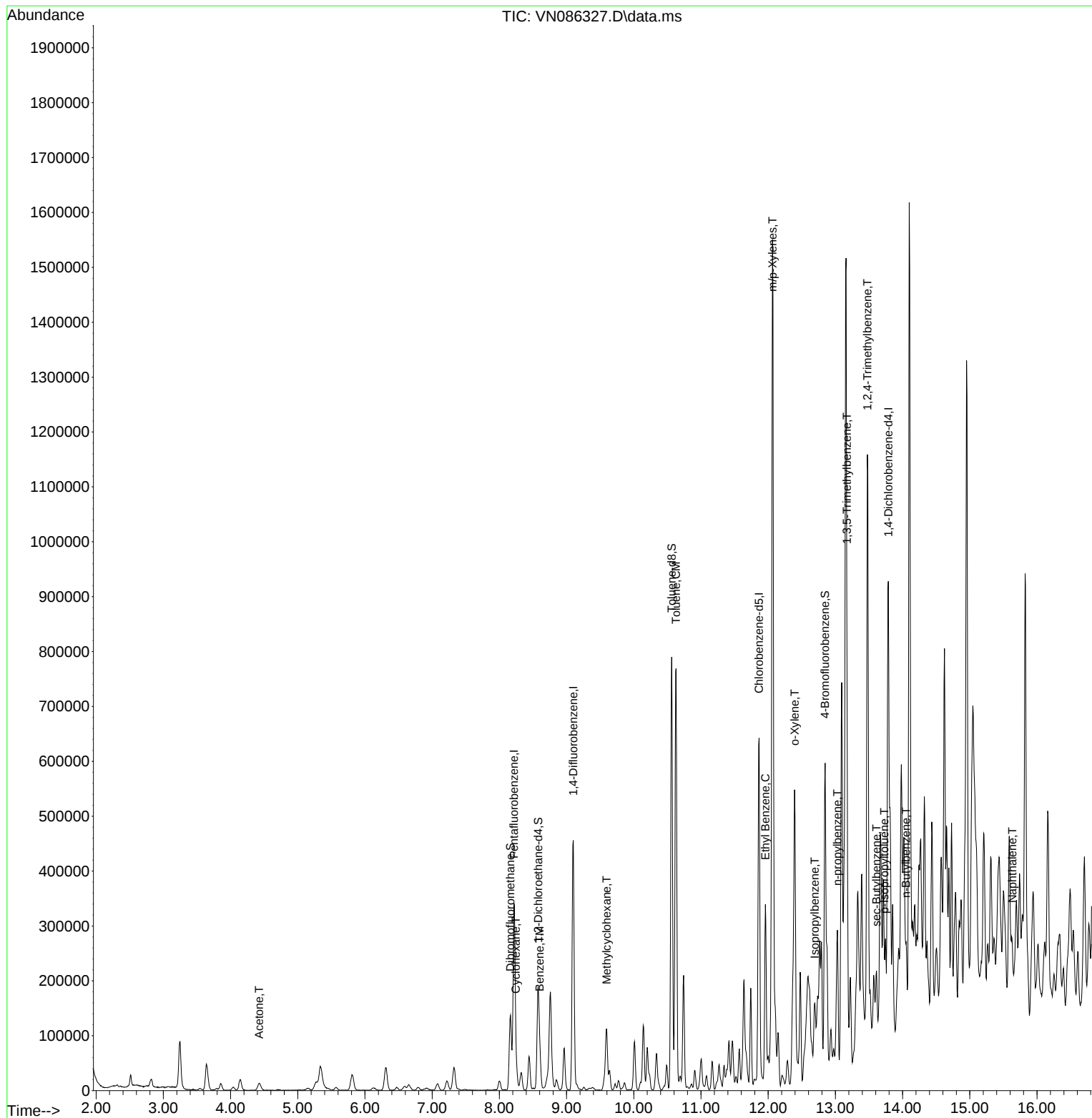
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.424	43	19552	13.180	ug/l	91
31) Cyclohexane	8.247	56	31472	6.383	ug/l #	88
39) Methylcyclohexane	9.594	83	39829	9.147	ug/l	95
40) Benzene	8.600	78	56213	4.789	ug/l	99
52) Toluene	10.629	92	348062	47.525	ug/l	100
67) Ethyl Benzene	11.959	91	230391	15.379	ug/l	97
68) m/p-Xylenes	12.065	106	305745	54.470	ug/l	98
69) o-Xylene	12.394	106	131834	23.749	ug/l	100
73) Isopropylbenzene	12.694	105	45124	3.076	ug/l	100
78) n-propylbenzene	13.029	91	161440	9.339	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	163612	13.626	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	629543	51.508	ug/l	99
85) sec-Butylbenzene	13.611	105	53398	3.700	ug/l	82
86) p-Isopropyltoluene	13.729	119	29211	2.456	ug/l	97
89) n-Butylbenzene	14.053	91	80738	7.658	ug/l #	84
95) Naphthalene	15.635	128	70183	6.979	ug/l	99

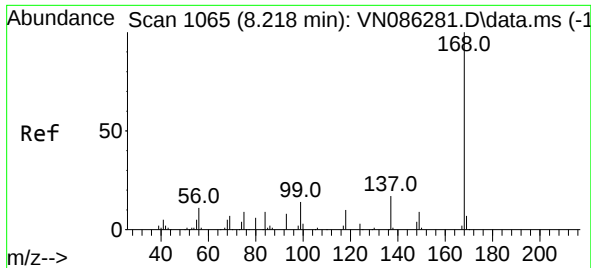
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

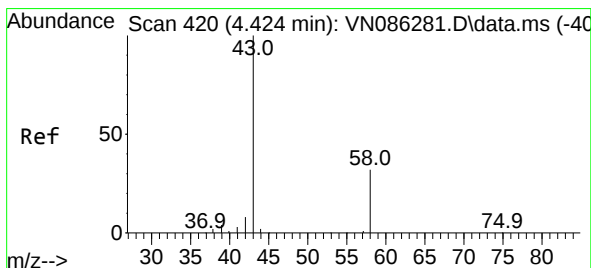
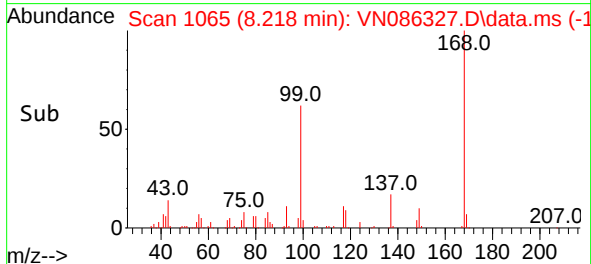
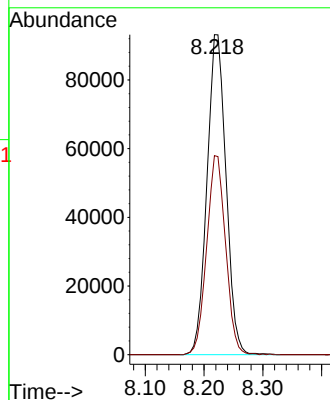
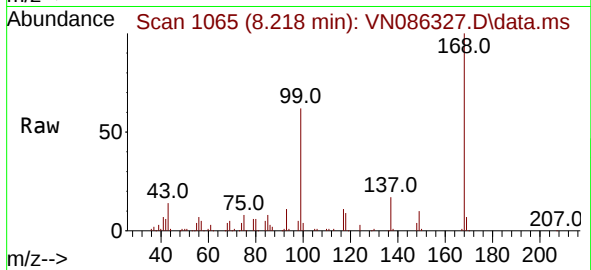




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

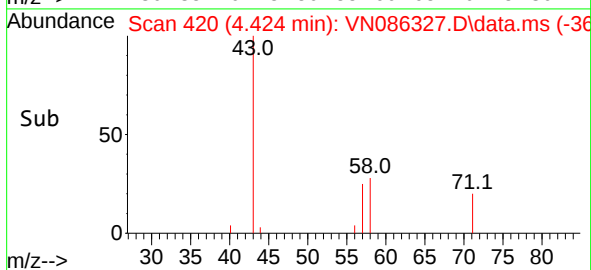
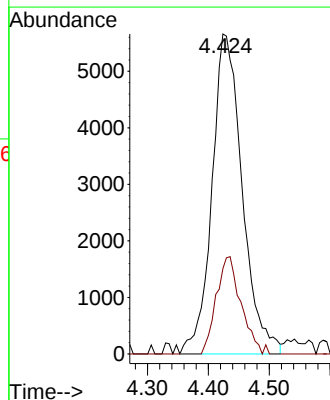
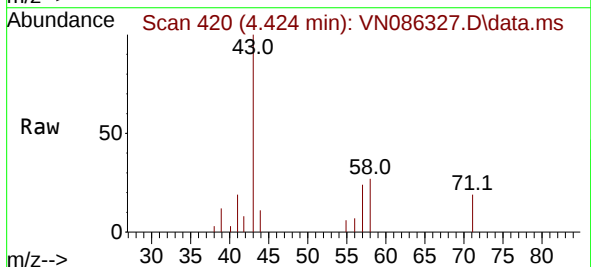
Instrument :
MSVOA_N
ClientSampleId :
284DL

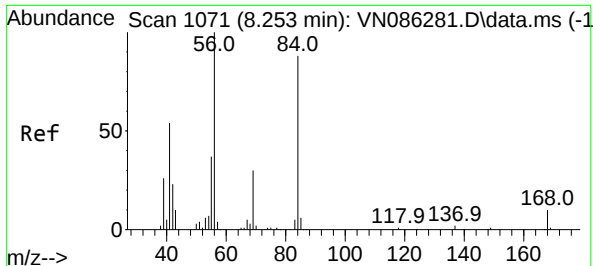
Tgt Ion:168 Resp: 209826
Ion Ratio Lower Upper
168 100
99 62.2 52.5 78.7



#16
Acetone
Concen: 13.180 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

Tgt Ion: 43 Resp: 19552
Ion Ratio Lower Upper
43 100
58 26.7 25.3 37.9

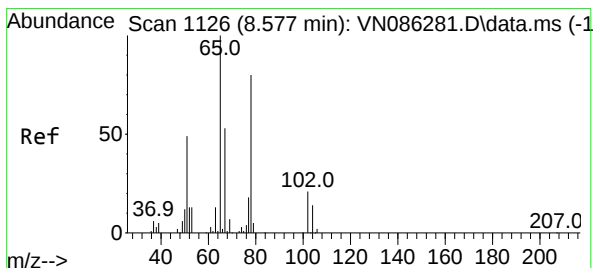
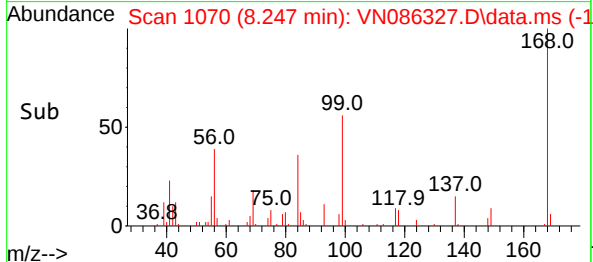
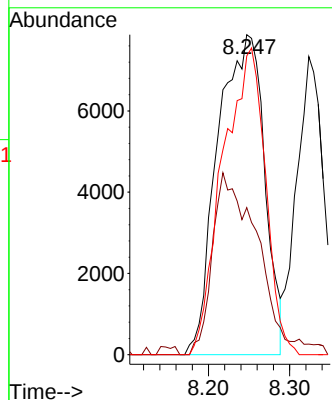
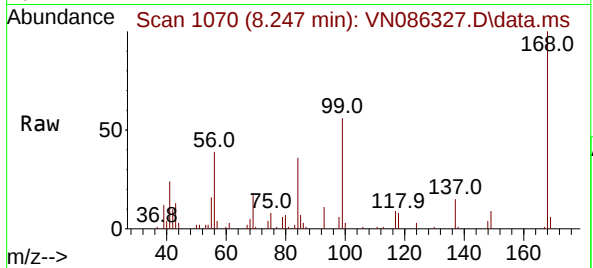




#31
Cyclohexane
Concen: 6.383 ug/l
RT: 8.247 min Scan# 1071
Delta R.T. -0.006 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

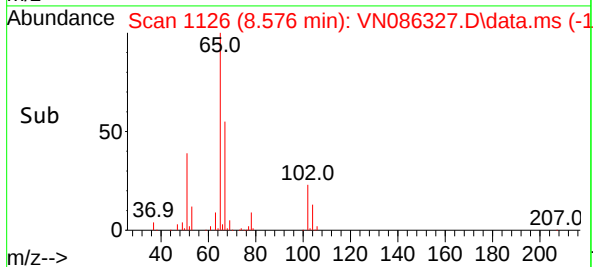
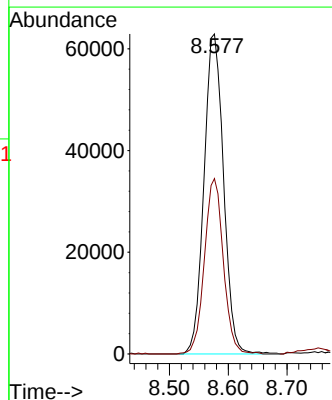
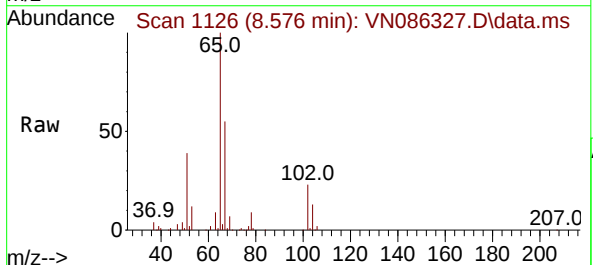
Instrument :
MSVOA_N
ClientSampleId :
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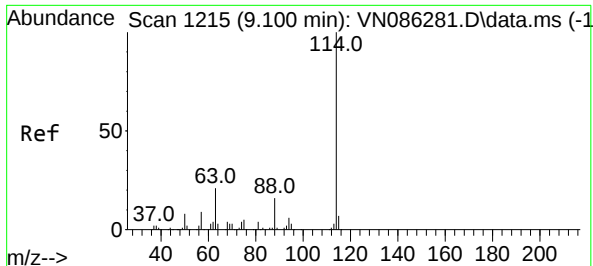
Tgt Ion: 56 Resp: 31472
Ion Ratio Lower Upper
56 100
69 46.0 24.2 36.2#
84 93.4 70.3 105.5



#33
1,2-Dichloroethane-d4
Concen: 47.820 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

Tgt Ion: 65 Resp: 145501
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.0

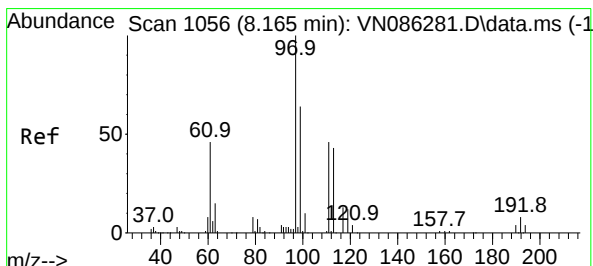
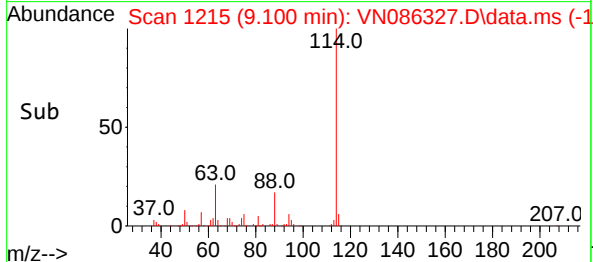
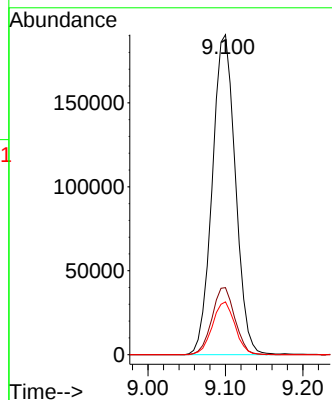
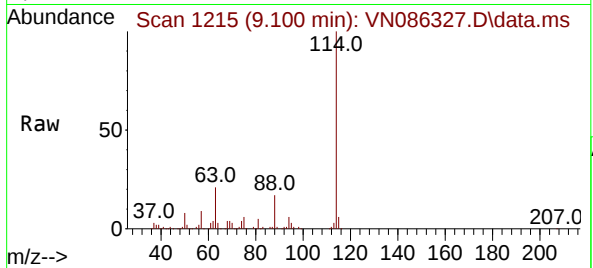




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

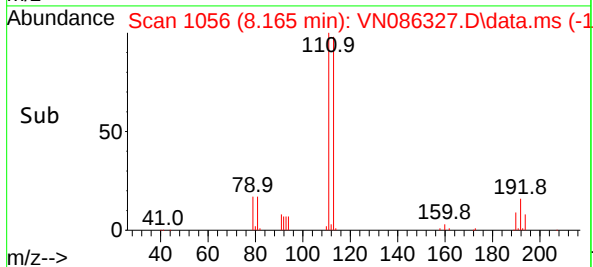
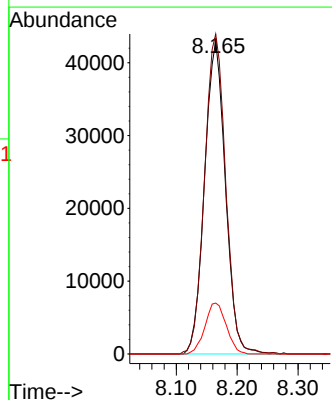
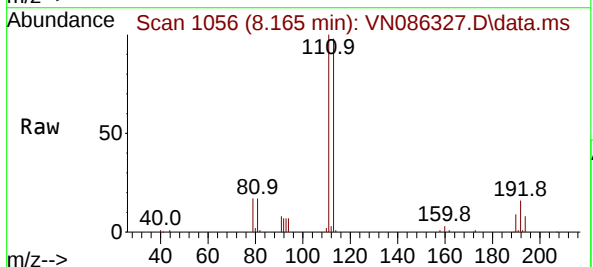
Instrument :
MSVOA_N
ClientSampleId :
284DL

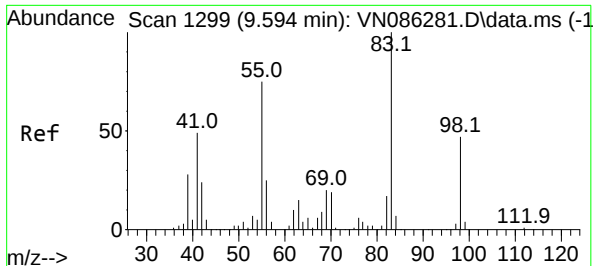
Tgt Ion:114 Resp: 395195
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.6
88 16.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.634 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

Tgt Ion:113 Resp: 102041
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.0
192 16.6 13.7 20.5





#39

Methylcyclohexane

Concen: 9.147 ug/l

RT: 9.594 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086327.D

Acq: 17 Apr 2025 17:18

Instrument :

MSVOA_N

ClientSampleId :

284DL

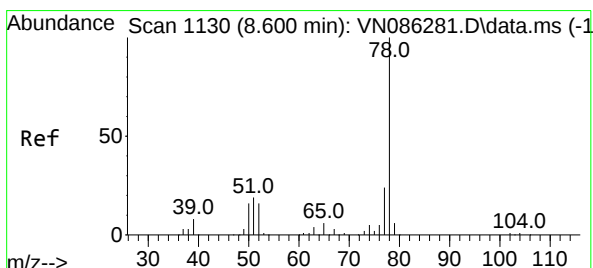
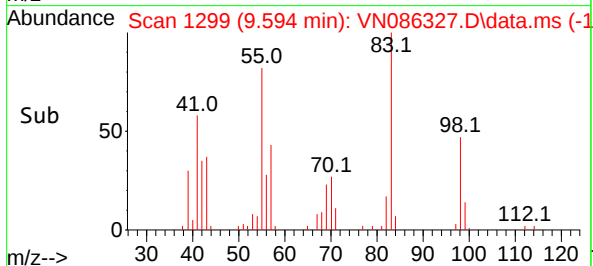
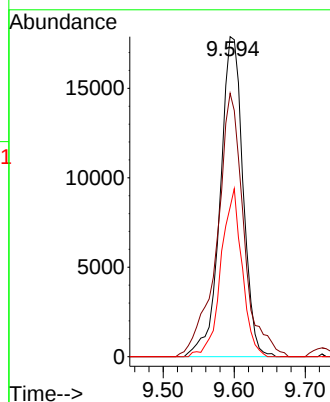
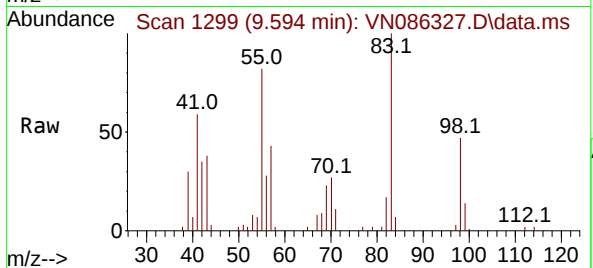
Tgt Ion: 83 Resp: 39829

Ion Ratio Lower Upper

83 100

55 81.3 59.8 89.8

98 46.7 37.9 56.9



#40

Benzene

Concen: 4.789 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086327.D

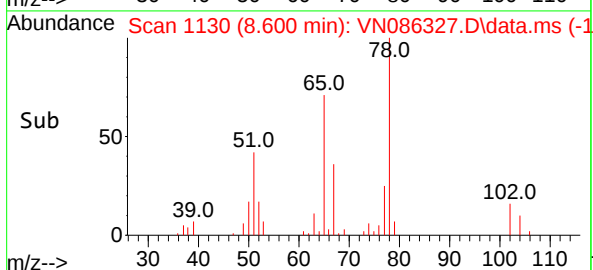
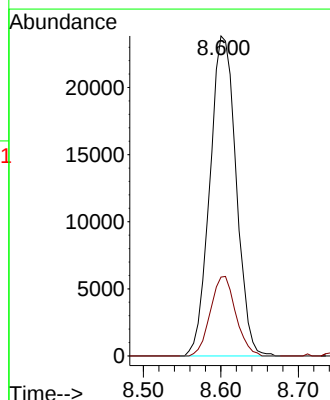
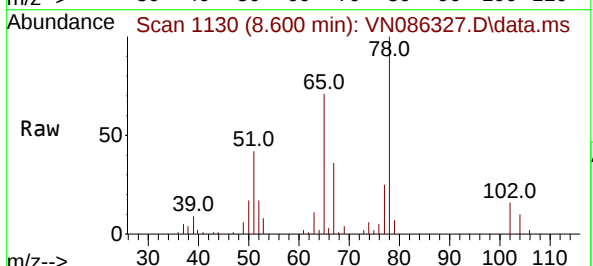
Acq: 17 Apr 2025 17:18

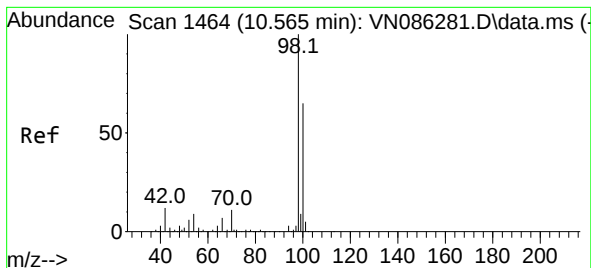
Tgt Ion: 78 Resp: 56213

Ion Ratio Lower Upper

78 100

77 24.7 19.4 29.2





#50

Toluene-d8

Concen: 51.738 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086327.D

Acq: 17 Apr 2025 17:18

Instrument :

MSVOA_N

ClientSampleId :

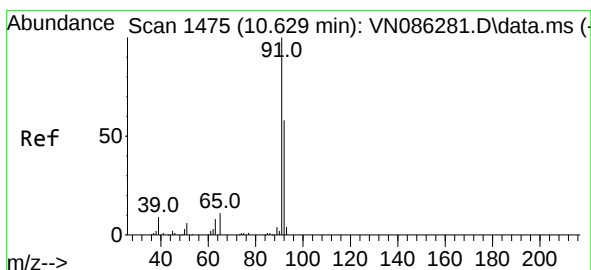
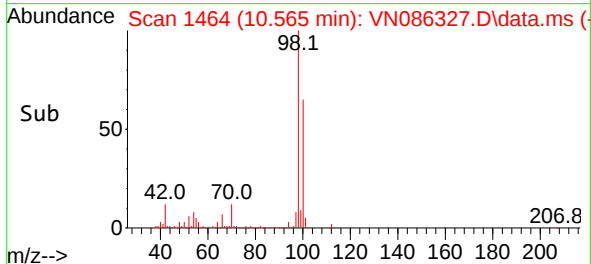
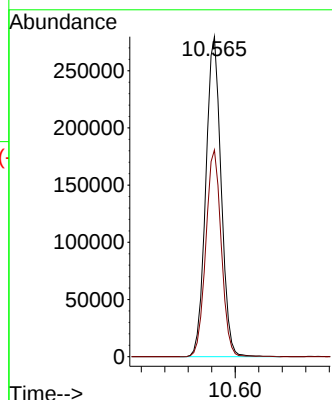
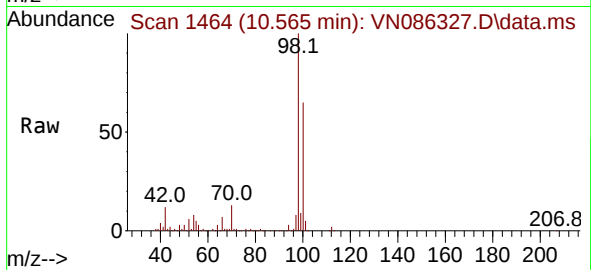
284DL

Tgt Ion: 98 Resp: 507164

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7



#52

Toluene

Concen: 47.525 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN086327.D

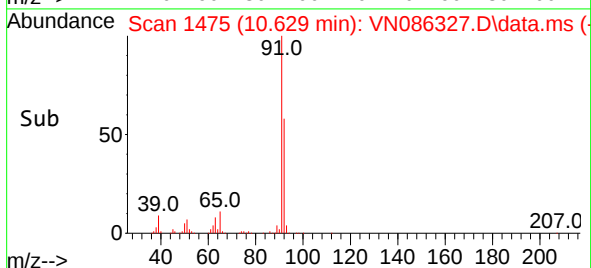
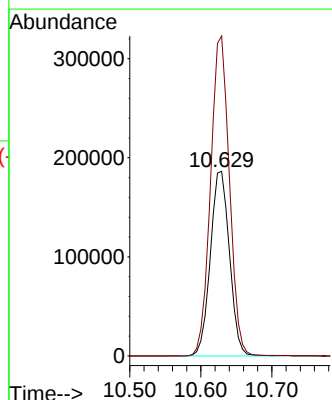
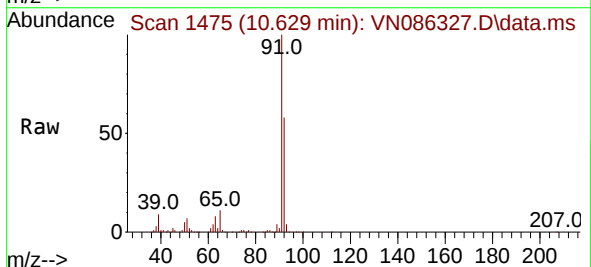
Acq: 17 Apr 2025 17:18

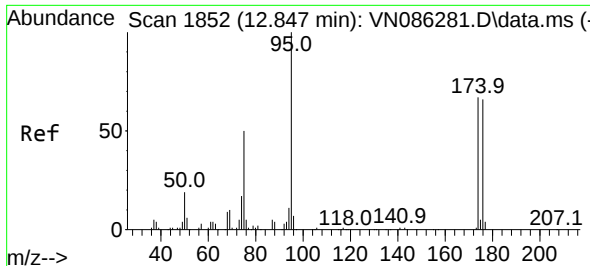
Tgt Ion: 92 Resp: 348062

Ion Ratio Lower Upper

92 100

91 171.0 137.3 205.9

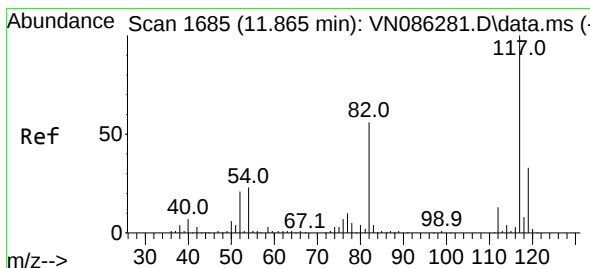
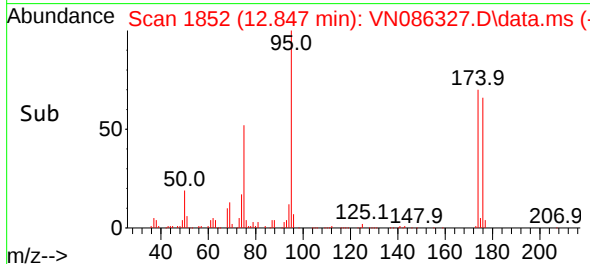
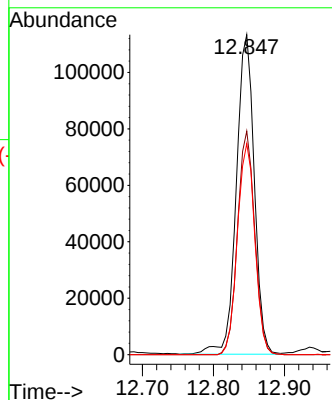
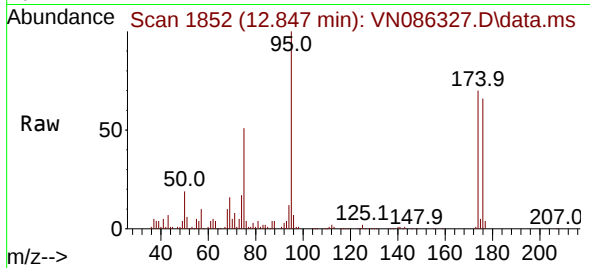




#62
4-Bromofluorobenzene
Concen: 55.767 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

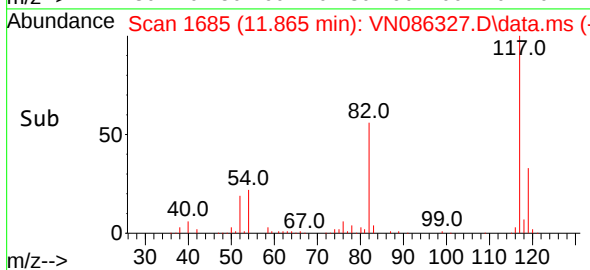
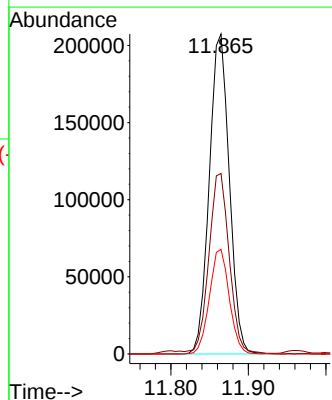
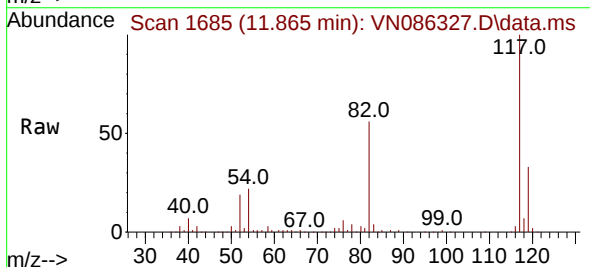
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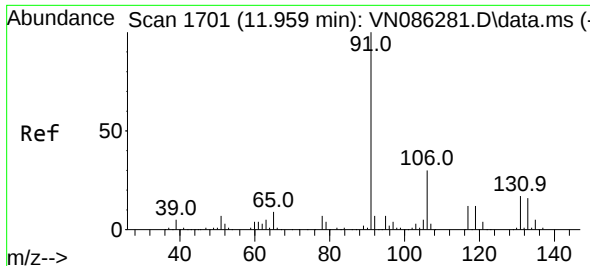
Tgt Ion: 95 Resp: 199389
Ion Ratio Lower Upper
95 100
174 67.0 0.0 133.4
176 64.2 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

Tgt Ion: 117 Resp: 371992
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 32.7 26.4 39.6

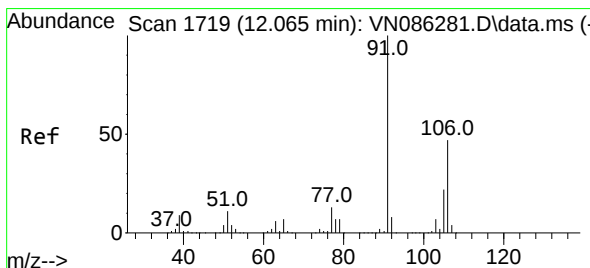
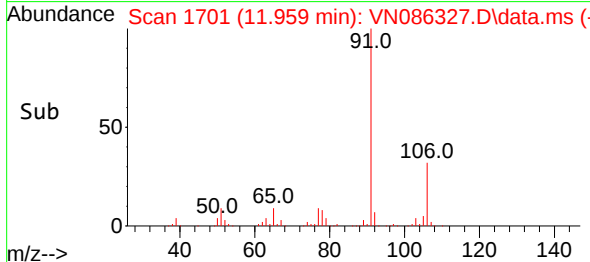
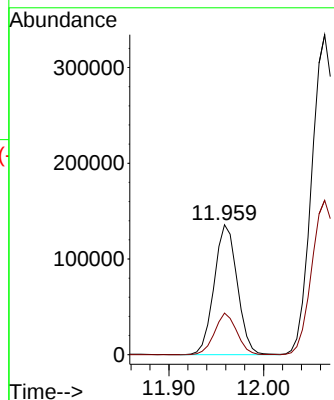
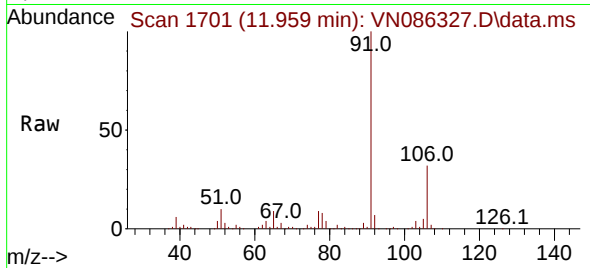




#67
Ethyl Benzene
Concen: 15.379 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

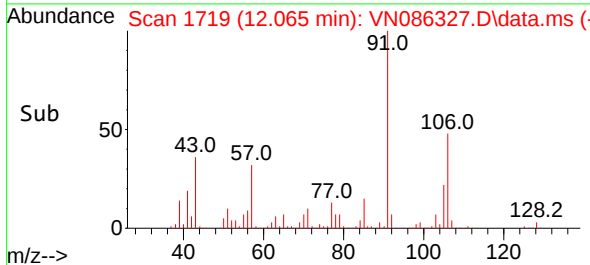
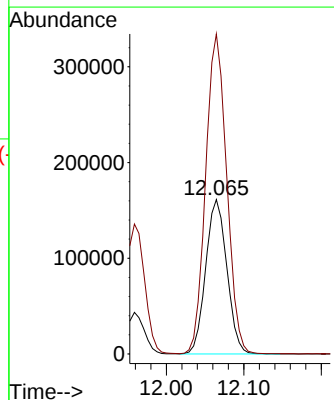
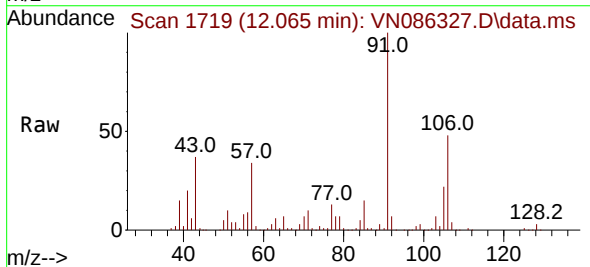
Instrument :
MSVOA_N
ClientSampleId :
284DL

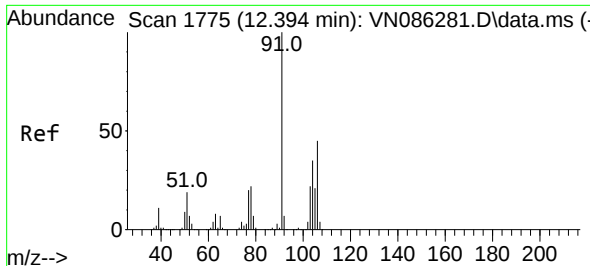
Tgt Ion: 91 Resp: 230391
Ion Ratio Lower Upper
91 100
106 32.0 24.3 36.5



#68
m/p-Xylenes
Concen: 54.470 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

Tgt Ion:106 Resp: 305745
Ion Ratio Lower Upper
106 100
91 205.5 166.5 249.7

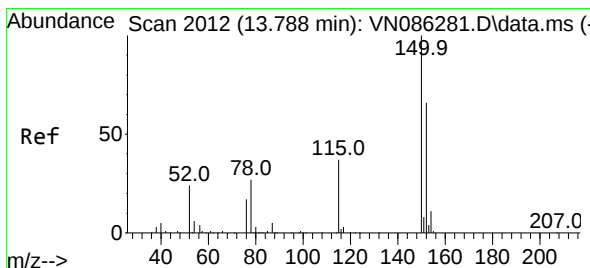
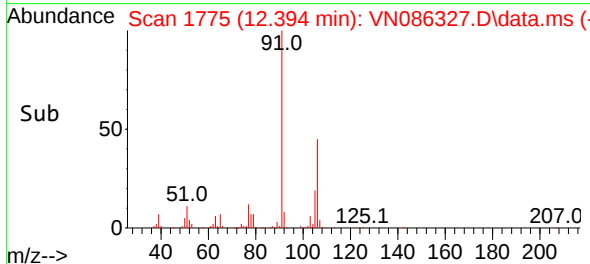
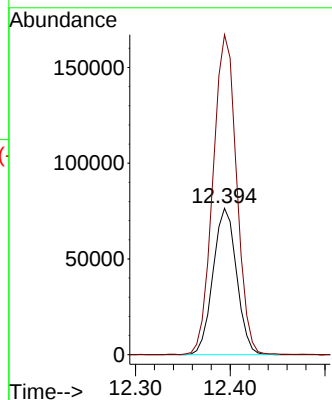
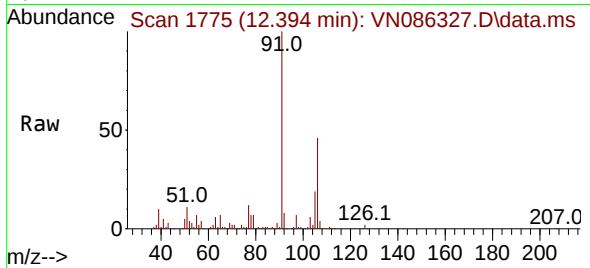




#69
o-Xylene
Concen: 23.749 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

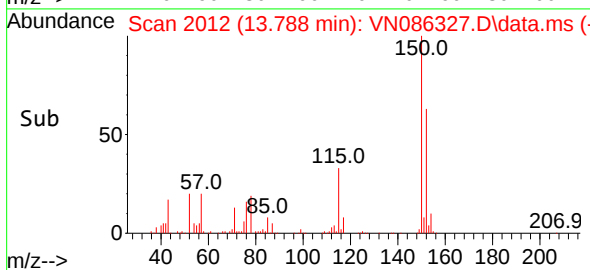
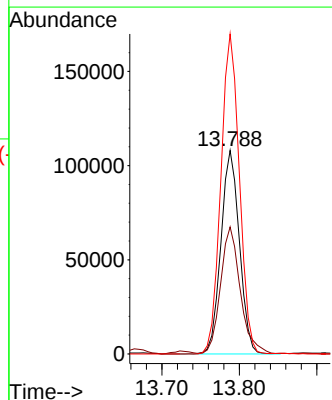
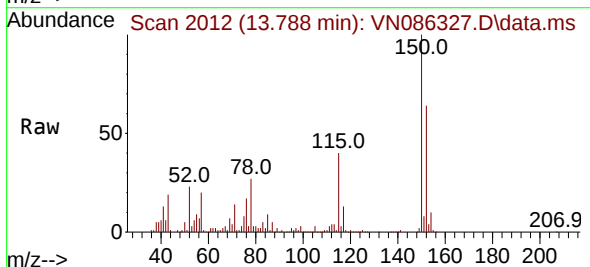
Instrument :
MSVOA_N
ClientSampleId :
284DL

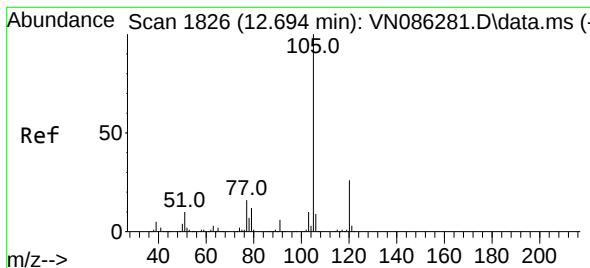
Tgt Ion:106 Resp: 131834
Ion Ratio Lower Upper
106 100
91 220.0 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

Tgt Ion:152 Resp: 179339
Ion Ratio Lower Upper
152 100
115 66.4 31.9 95.9
150 157.5 0.0 352.0





#73

Isopropylbenzene

Concen: 3.076 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086327.D

Acq: 17 Apr 2025 17:18

Instrument :

MSVOA_N

ClientSampleId :

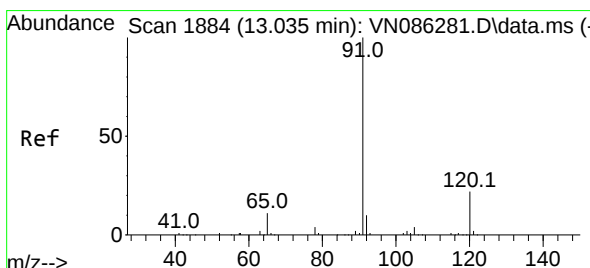
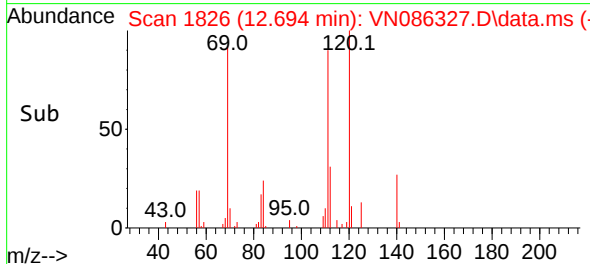
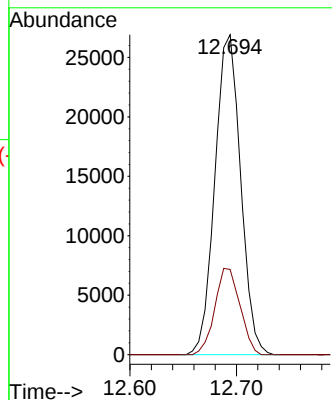
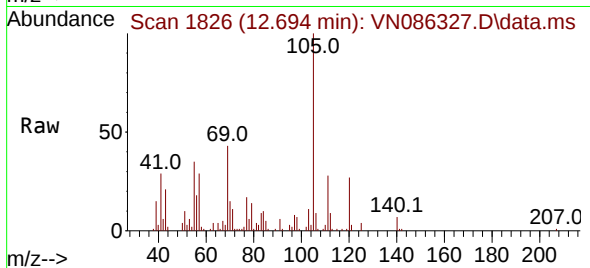
284DL

Tgt Ion:105 Resp: 45124

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#78

n-propylbenzene

Concen: 9.339 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VN086327.D

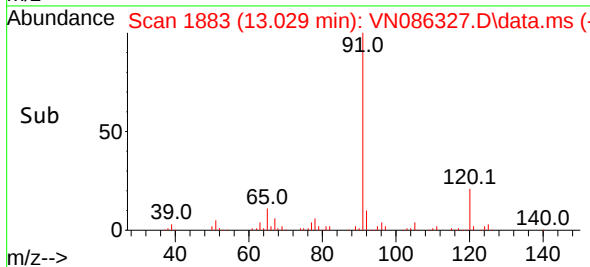
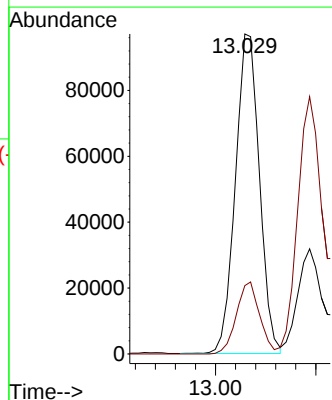
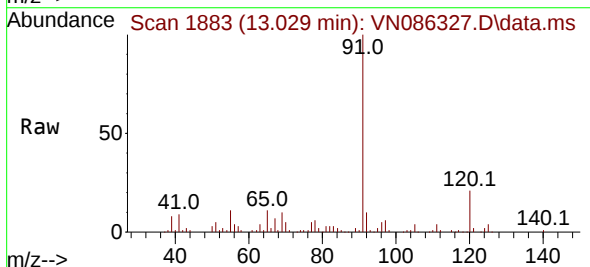
Acq: 17 Apr 2025 17:18

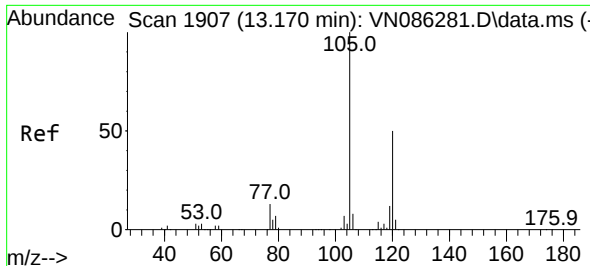
Tgt Ion: 91 Resp: 161440

Ion Ratio Lower Upper

91 100

120 21.7 11.1 33.3

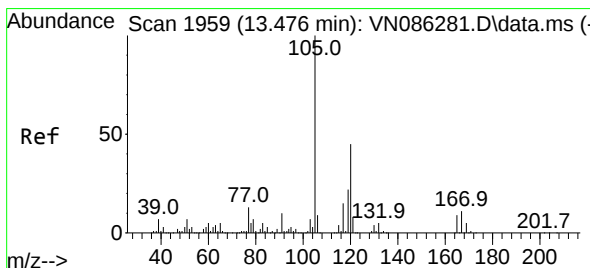
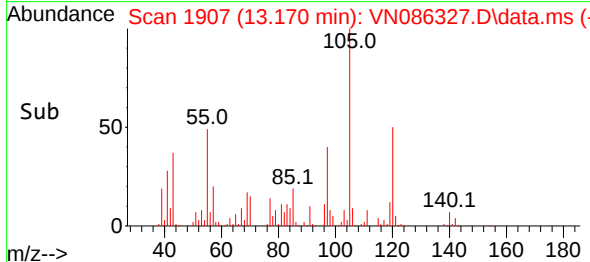
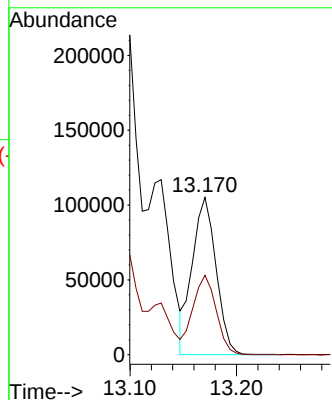
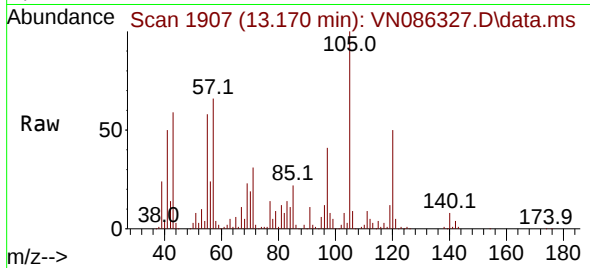




#80
 1,3,5-Trimethylbenzene
 Concen: 13.626 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN086327.D
 Acq: 17 Apr 2025 17:18

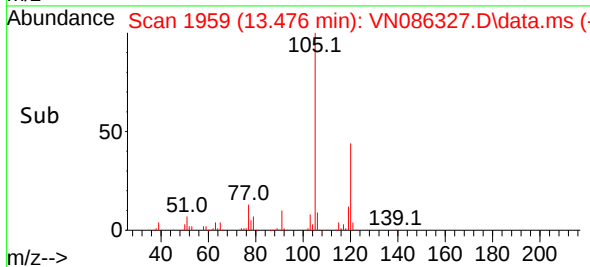
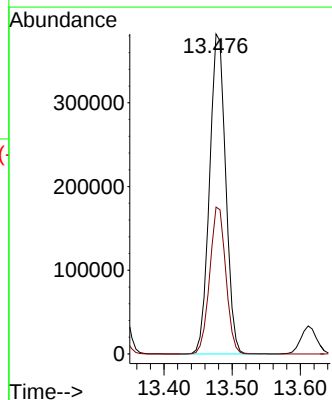
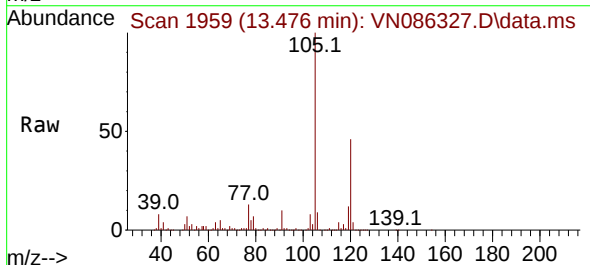
Instrument :
 MSVOA_N
 ClientSampleId :
 284DL

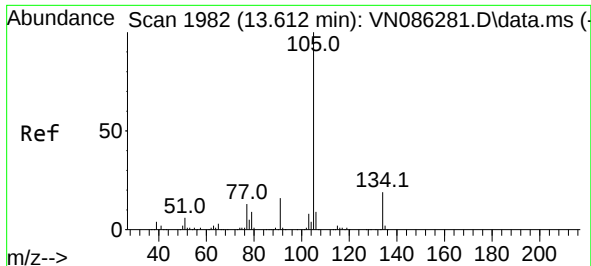
Tgt Ion:105 Resp: 163612
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.5 73.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.508 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086327.D
 Acq: 17 Apr 2025 17:18

Tgt Ion:105 Resp: 629543
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.4 67.3

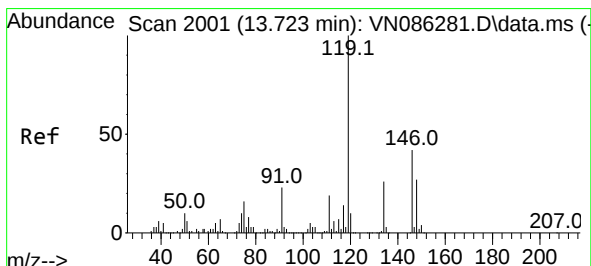
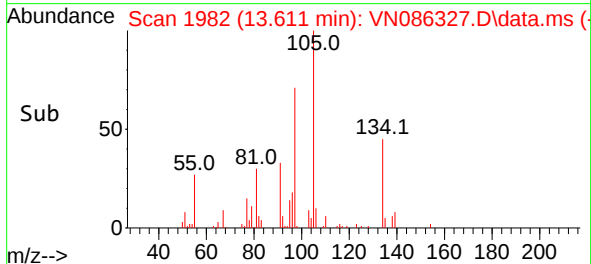
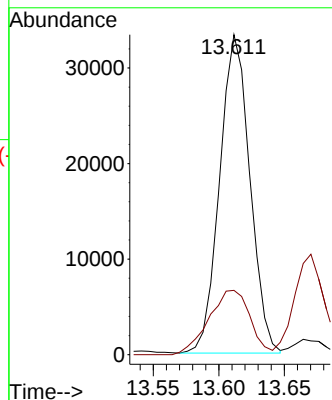
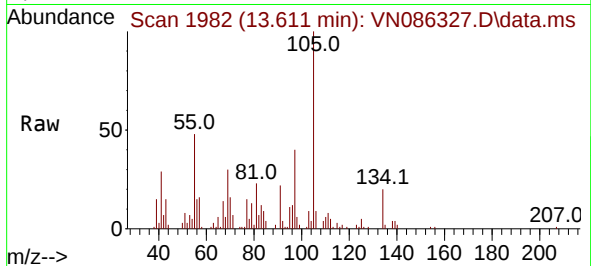




#85
 sec-Butylbenzene
 Concen: 3.700 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086327.D
 Acq: 17 Apr 2025 17:18

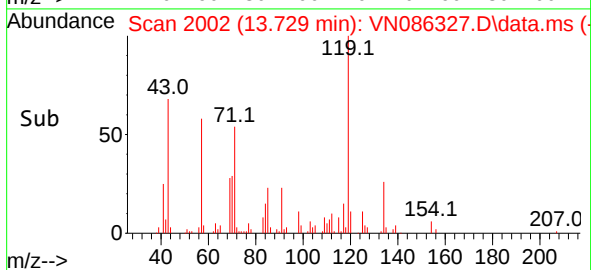
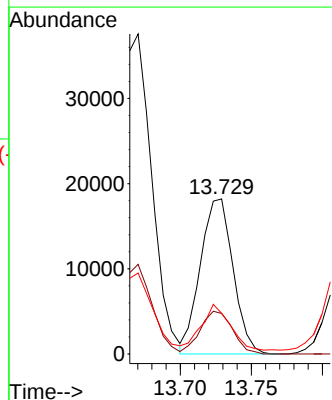
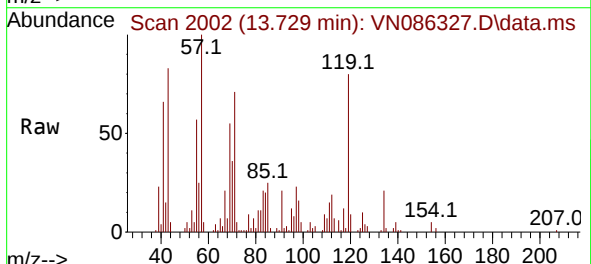
Instrument :
 MSVOA_N
 ClientSampleId :
 284DL

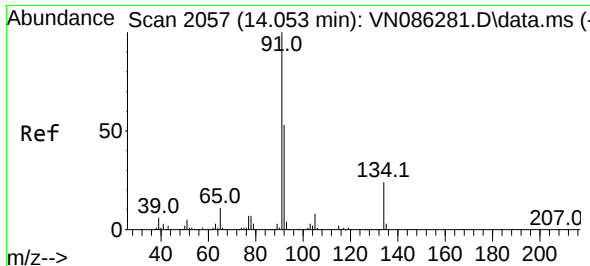
Tgt Ion:105 Resp: 53398
 Ion Ratio Lower Upper
 105 100
 134 27.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 2.456 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN086327.D
 Acq: 17 Apr 2025 17:18

Tgt Ion:119 Resp: 29211
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.1 39.1
 91 25.7 11.9 35.9

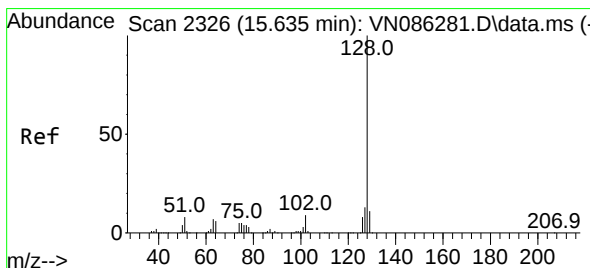
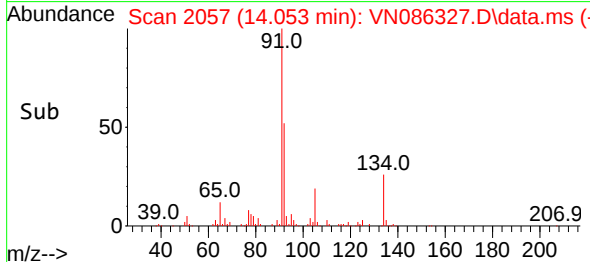
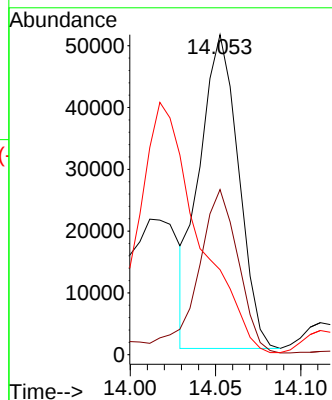
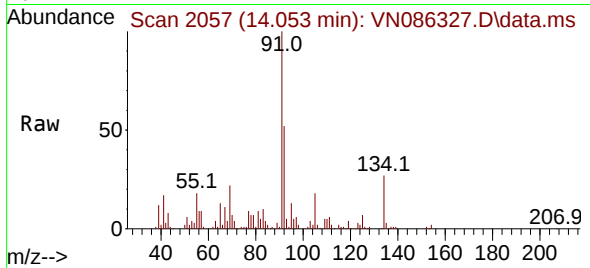




#89
n-Butylbenzene
Concen: 7.658 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

Instrument :
MSVOA_N
ClientSampleId :
284DL

Tgt Ion: 91 Resp: 80738
Ion Ratio Lower Upper
91 100
92 54.2 26.8 80.4
134 0.0 12.2 36.6#



#95
Naphthalene
Concen: 6.979 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086327.D
Acq: 17 Apr 2025 17:18

Tgt Ion:128 Resp: 70183
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.2 8.6 13.0

