

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031225\
 Data File : VN085962.D
 Acq On : 12 Mar 2025 16:06
 Operator : JC\MD
 Sample : Q1528-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FERNOT

Quant Time: Mar 13 01:38:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

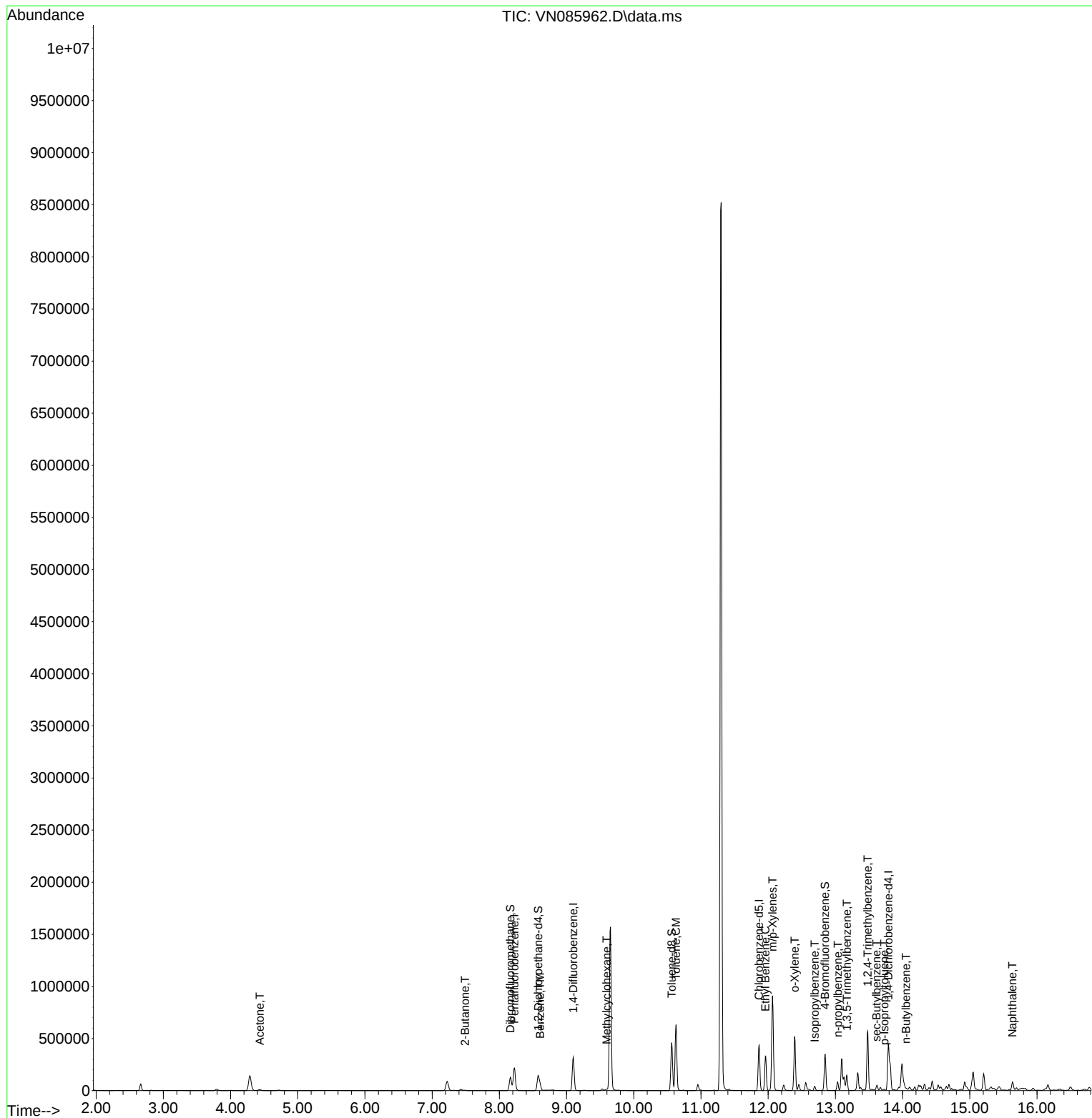
Internal Standards						
1) Pentafluorobenzene	8.224	168	156134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	258752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110345	54.512	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.020%			
35) Dibromofluoromethane	8.165	113	91478	50.947	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.900%			
50) Toluene-d8	10.565	98	320222	49.018	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.040%			
62) 4-Bromofluorobenzene	12.847	95	124656	57.915	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.840%			
Target Compounds					Qvalue	
16) Acetone	4.436	43	16890	26.370	ug/l	98
25) 2-Butanone	7.488	43	6929	7.353	ug/l	91
39) Methylcyclohexane	9.594	83	6130m	2.455	ug/l	
40) Benzene	8.606	78	58965	7.240	ug/l	98
52) Toluene	10.629	92	288777	60.486	ug/l	99
67) Ethyl Benzene	11.959	91	240220	25.871	ug/l	98
68) m/p-Xylenes	12.065	106	286258	81.161	ug/l	100
69) o-Xylene	12.394	106	145344	43.366	ug/l	98
73) Isopropylbenzene	12.694	105	26707	3.198	ug/l	96
78) n-propylbenzene	13.035	91	63686	6.658	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	71011	10.437	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	330247	49.062	ug/l	100
85) sec-Butylbenzene	13.612	105	12059	1.492	ug/l	91
86) p-Isopropyltoluene	13.729	119	6371	1.545	ug/l	92
89) n-Butylbenzene	14.053	91	8853	1.543	ug/l #	76
95) Naphthalene	15.635	128	78511	14.762	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031225\
Data File : VN085962.D
Acq On : 12 Mar 2025 16:06
Operator : JC\MD
Sample : Q1528-01 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Quant Time: Mar 13 01:38:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

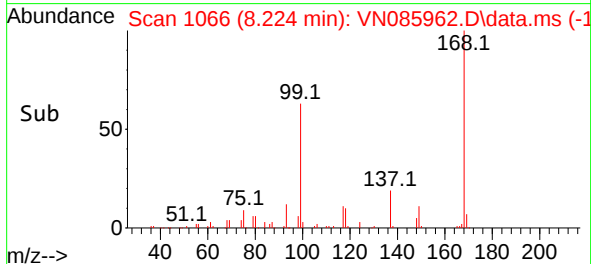
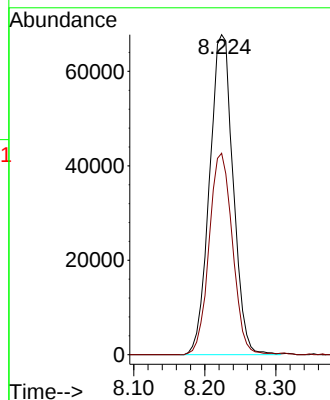
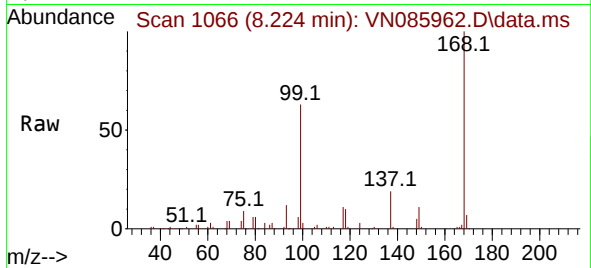




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

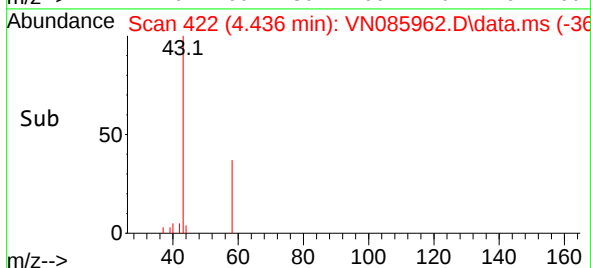
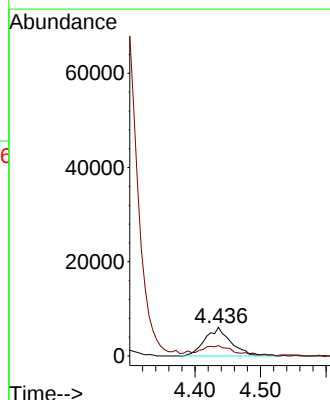
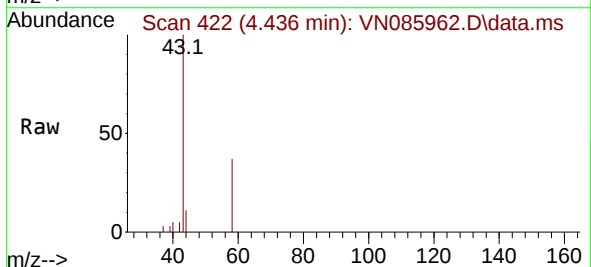
Instrument :
MSVOA_N
ClientSampleId :
FERNOT

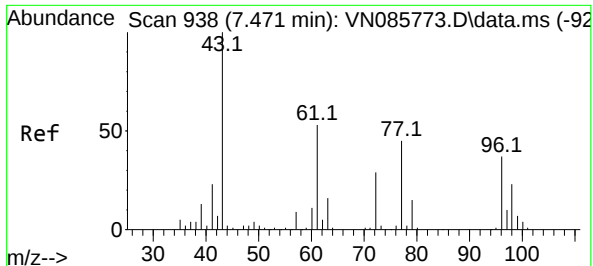
Tgt Ion:168 Resp: 156134
Ion Ratio Lower Upper
168 100
99 62.9 47.9 71.9



#16
Acetone
Concen: 26.370 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

Tgt Ion: 43 Resp: 16890
Ion Ratio Lower Upper
43 100
58 33.0 27.5 41.3

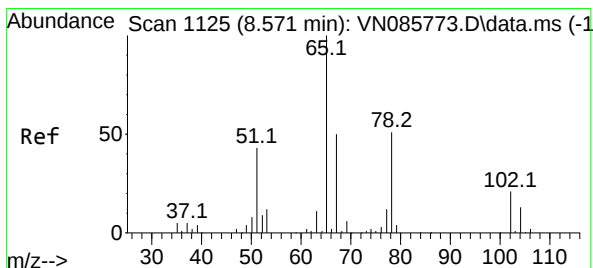
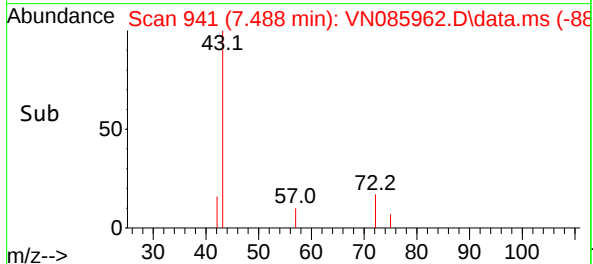
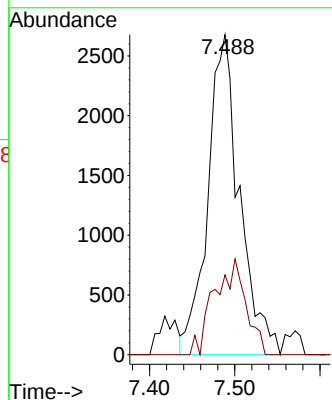
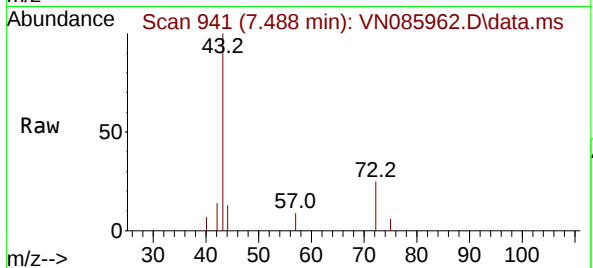




#25
2-Butanone
Concen: 7.353 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

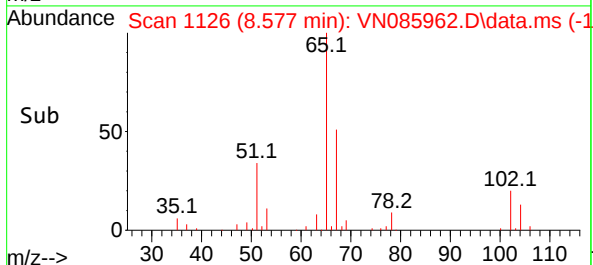
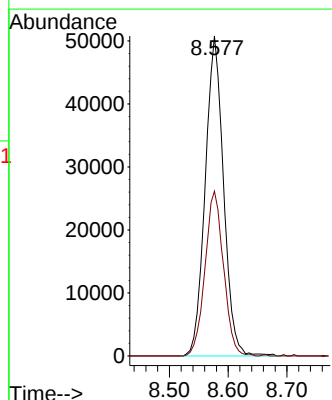
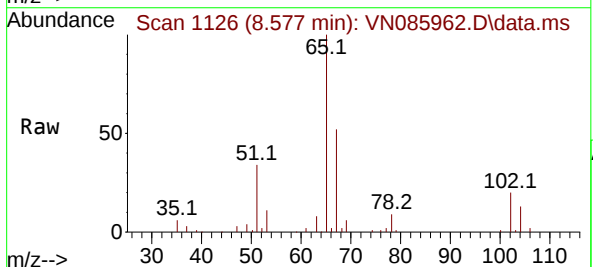
Instrument :
MSVOA_N
ClientSampleId :
FERNOT

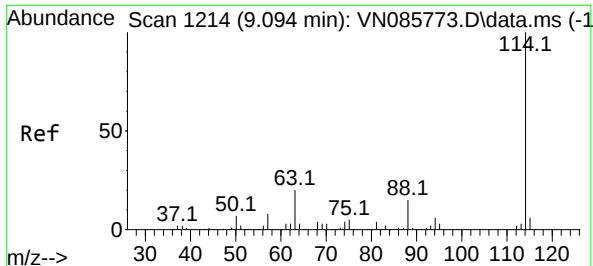
Tgt Ion: 43 Resp: 6929
Ion Ratio Lower Upper
43 100
72 24.9 23.6 35.4



#33
1,2-Dichloroethane-d4
Concen: 54.512 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

Tgt Ion: 65 Resp: 110345
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085962.D

Acq: 12 Mar 2025 16:06

Instrument :

MSVOA_N

ClientSampleId :

FERNOT

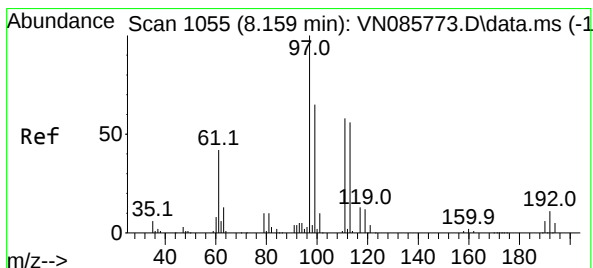
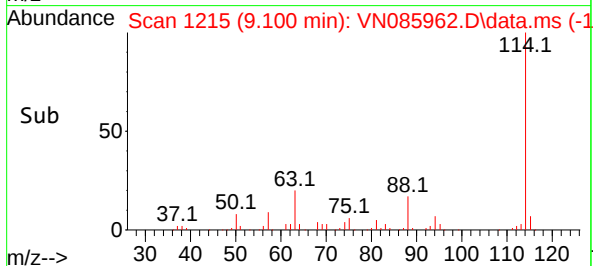
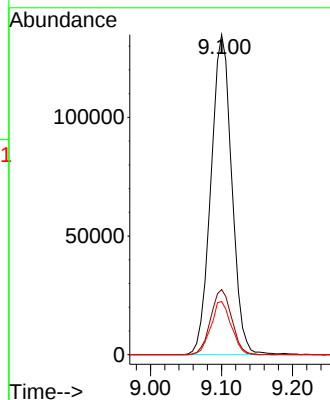
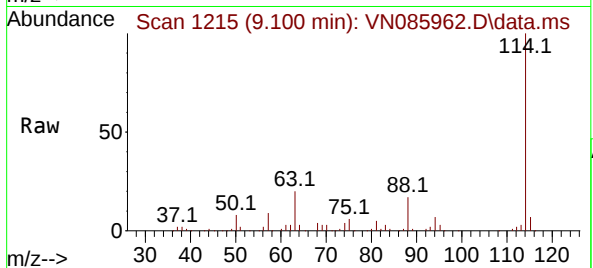
Tgt Ion:114 Resp: 274401

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

88 16.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 50.947 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085962.D

Acq: 12 Mar 2025 16:06

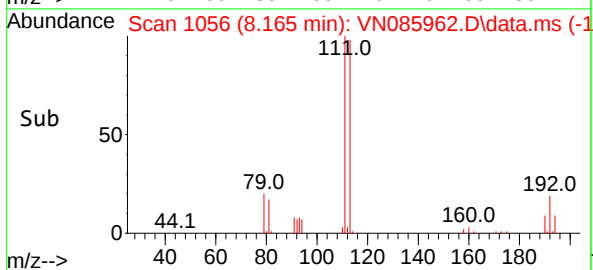
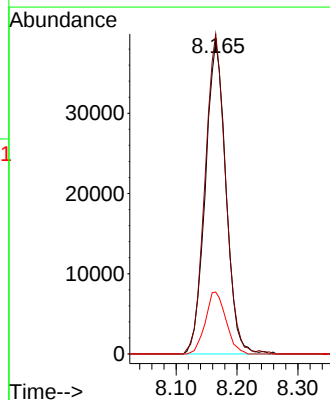
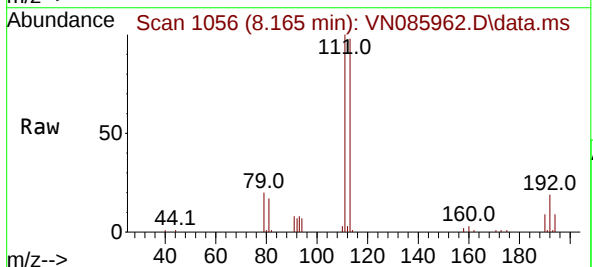
Tgt Ion:113 Resp: 91478

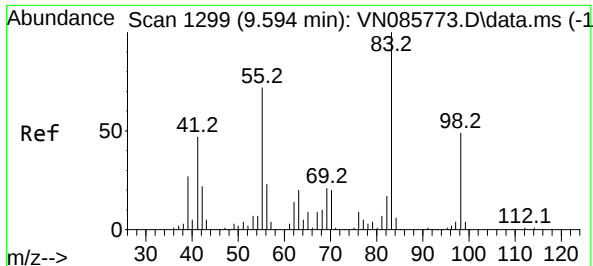
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 19.8 14.7 22.1





#39

Methylcyclohexane

Concen: 2.455 ug/l m

RT: 9.594 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085962.D

Acq: 12 Mar 2025 16:06

Instrument :

MSVOA_N

ClientSampleId :

FERNOT

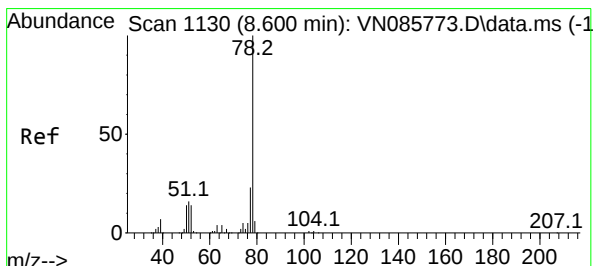
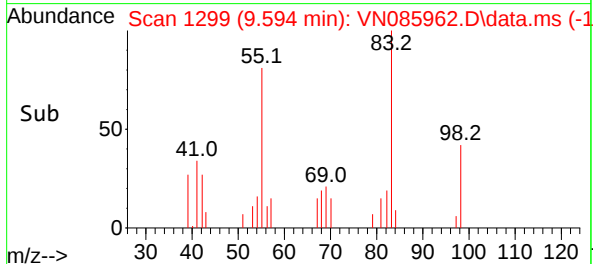
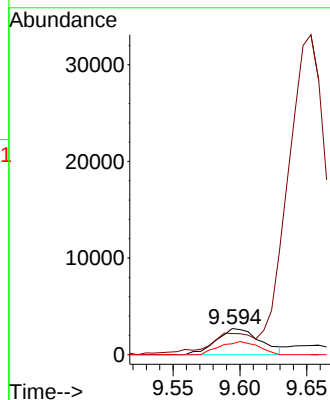
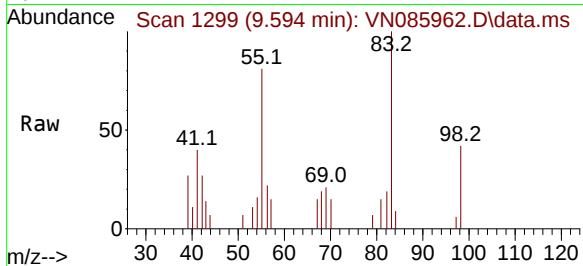
Tgt Ion: 83 Resp: 6130

Ion Ratio Lower Upper

83 100

55 81.0 57.5 86.3

98 42.2 39.2 58.8



#40

Benzene

Concen: 7.240 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085962.D

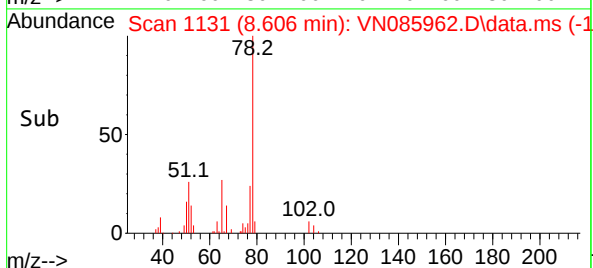
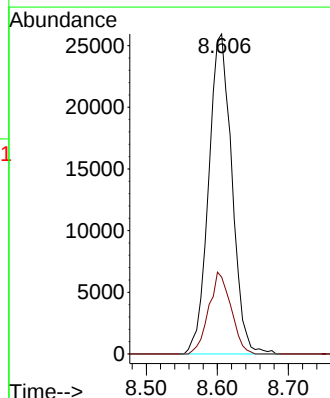
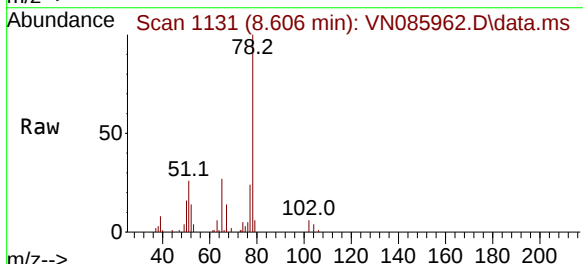
Acq: 12 Mar 2025 16:06

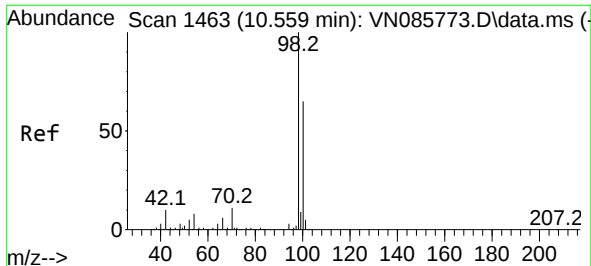
Tgt Ion: 78 Resp: 58965

Ion Ratio Lower Upper

78 100

77 24.0 18.3 27.5

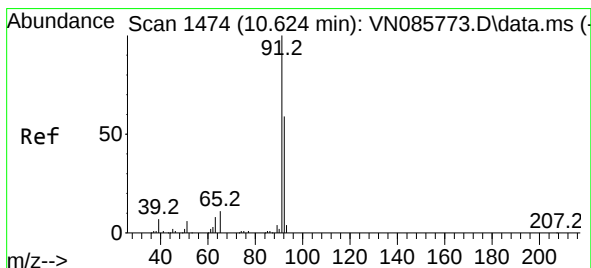
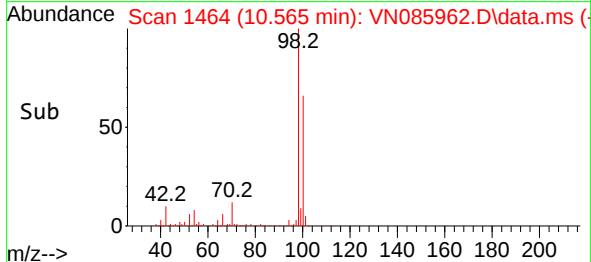
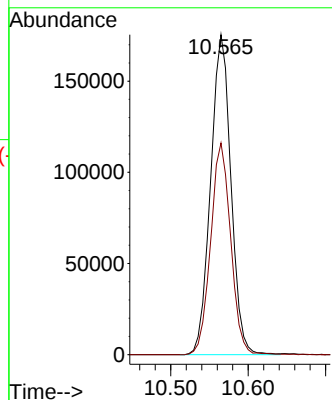
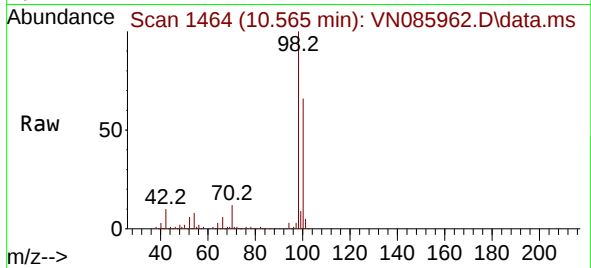




#50
Toluene-d8
Concen: 49.018 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

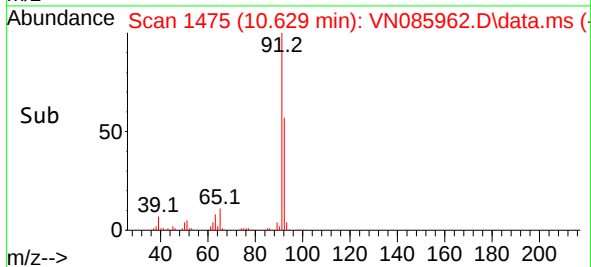
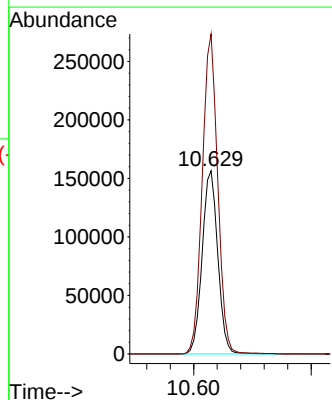
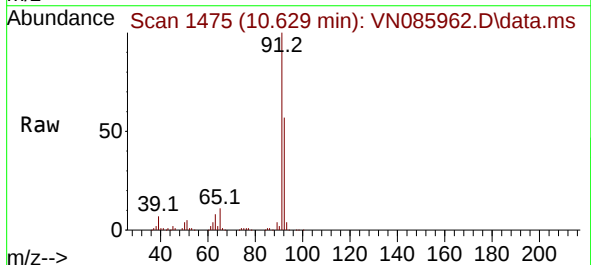
Instrument :
MSVOA_N
ClientSampleId :
FERNOT

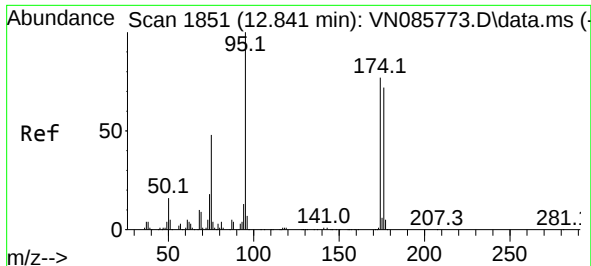
Tgt Ion: 98 Resp: 320222
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#52
Toluene
Concen: 60.486 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

Tgt Ion: 92 Resp: 288777
Ion Ratio Lower Upper
92 100
91 172.7 136.9 205.3

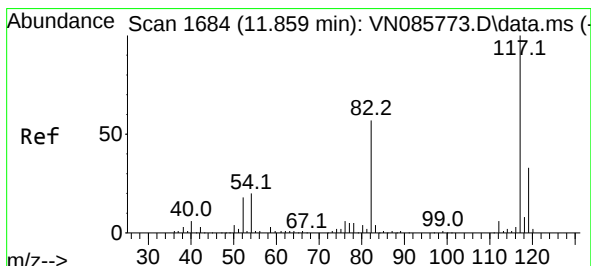
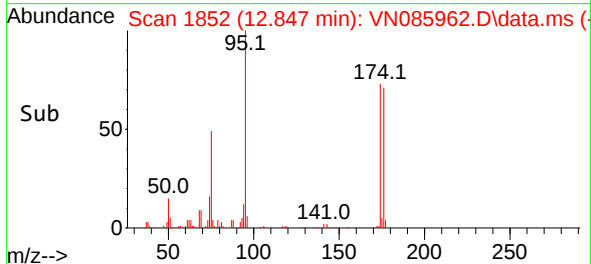
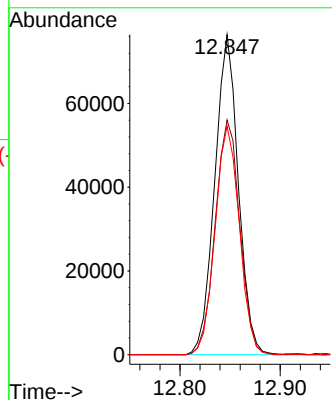
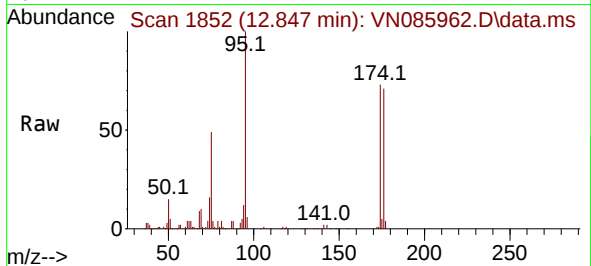




#62
4-Bromofluorobenzene
Concen: 57.915 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

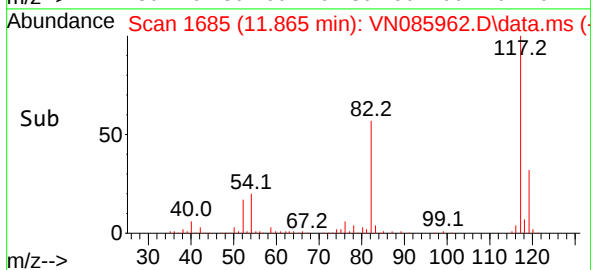
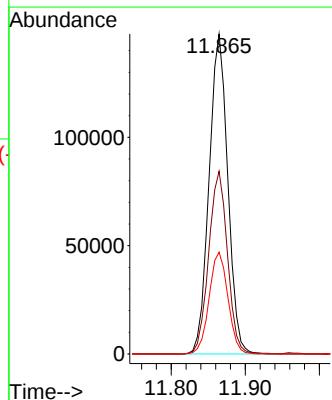
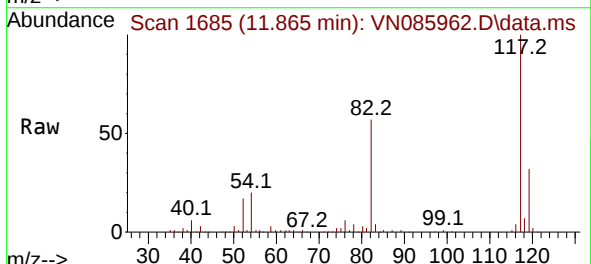
Instrument :
MSVOA_N
ClientSampleId :
FERNOT

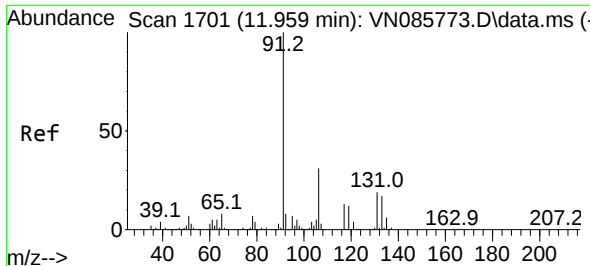
Tgt Ion:	95	Resp:	124656
Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	152.4
176	73.4	0.0	146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

Tgt Ion:	117	Resp:	258752
Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.7	68.5
119	31.8	26.2	39.2

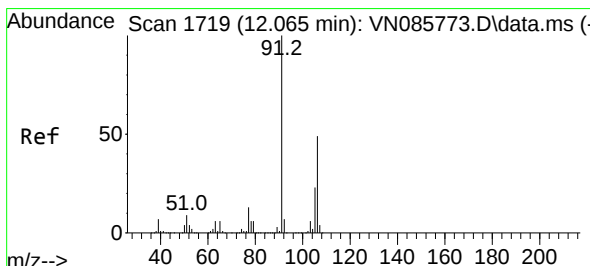
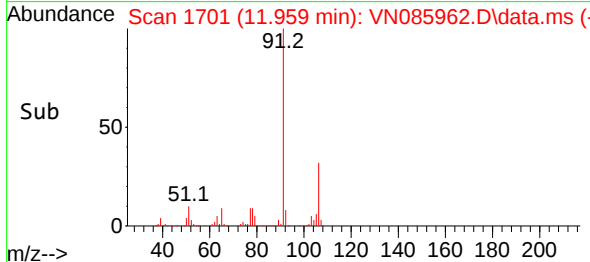
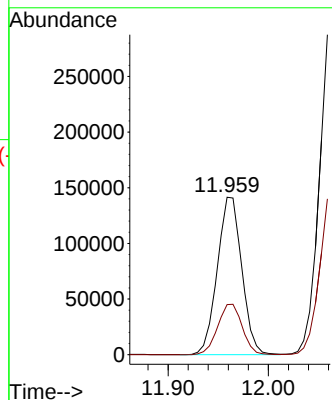
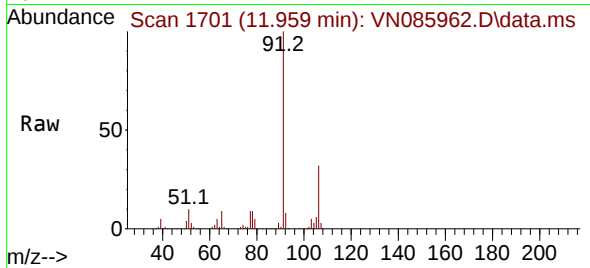




#67
Ethyl Benzene
Concen: 25.871 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

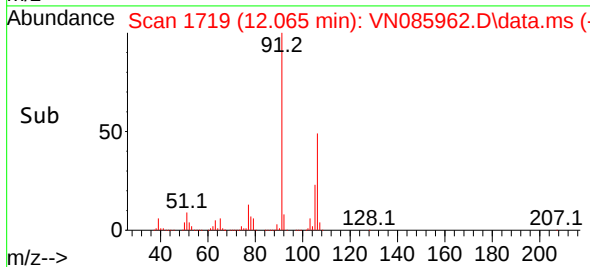
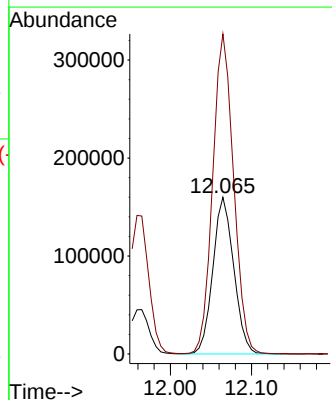
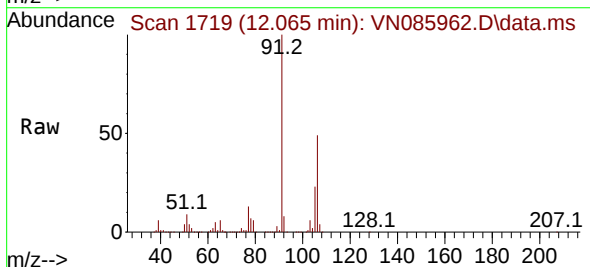
Instrument :
MSVOA_N
ClientSampleId :
FERNOT

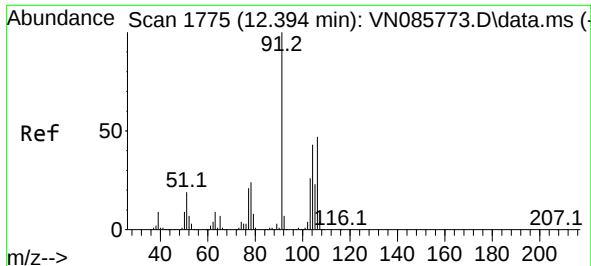
Tgt Ion: 91 Resp: 240220
Ion Ratio Lower Upper
91 100
106 31.8 24.7 37.1



#68
m/p-Xylenes
Concen: 81.161 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

Tgt Ion:106 Resp: 286258
Ion Ratio Lower Upper
106 100
91 204.7 163.3 244.9

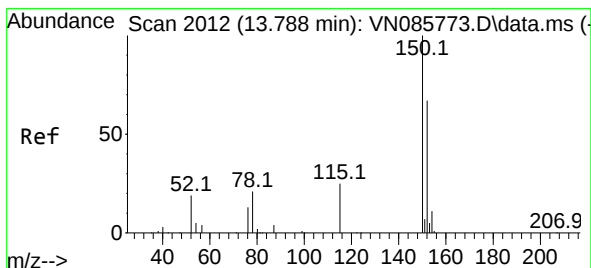
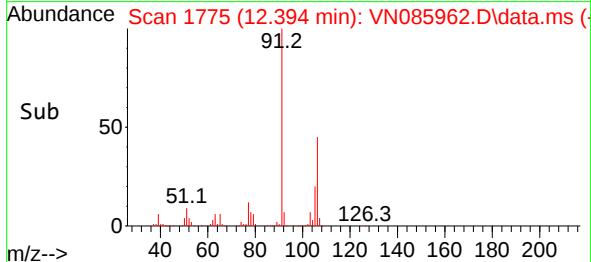
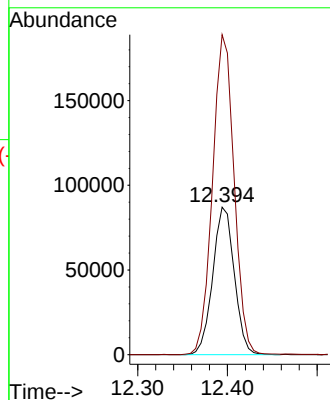
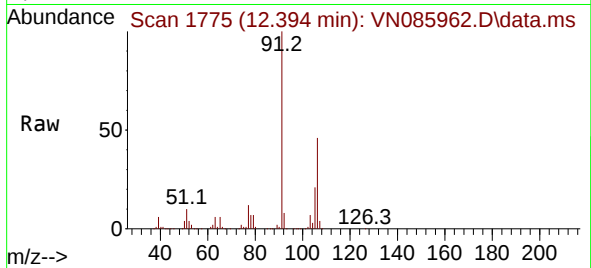




#69
o-Xylene
Concen: 43.366 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

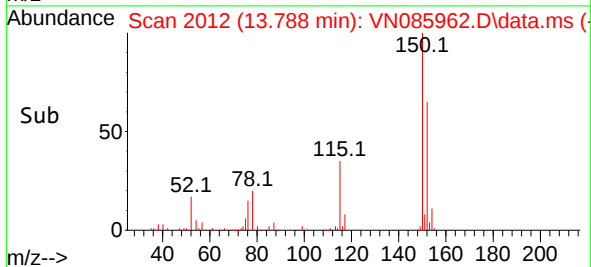
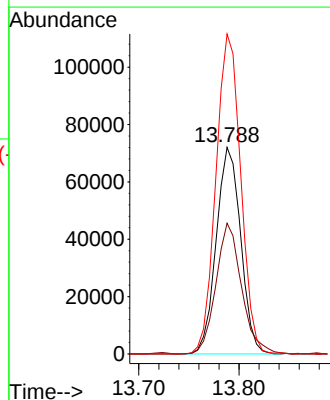
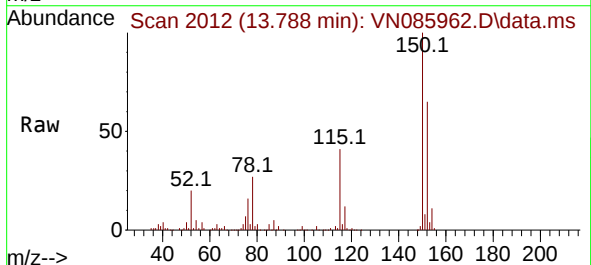
Instrument :
MSVOA_N
ClientSampleId :
FERNOT

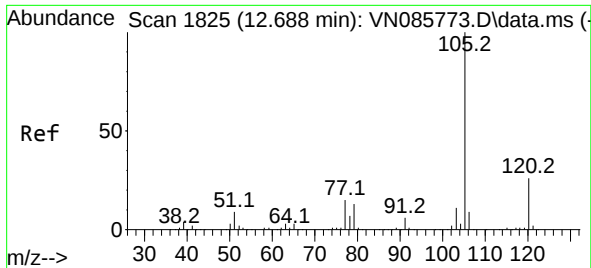
Tgt Ion:106 Resp: 145344
Ion Ratio Lower Upper
106 100
91 217.2 107.1 321.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

Tgt Ion:152 Resp: 121912
Ion Ratio Lower Upper
152 100
115 66.6 30.4 91.3
150 157.0 0.0 345.4

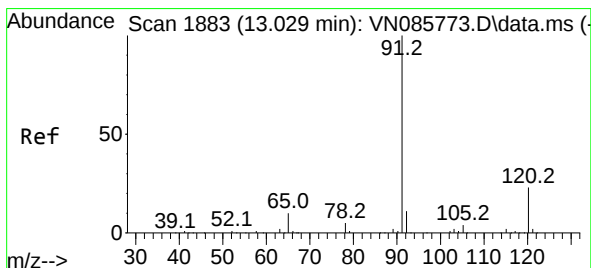
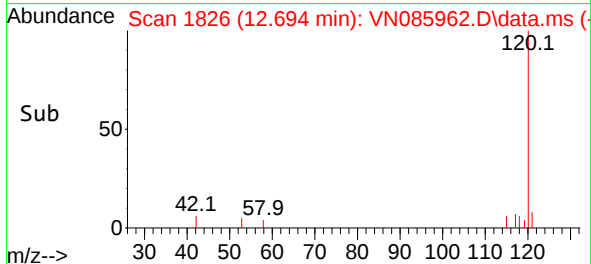
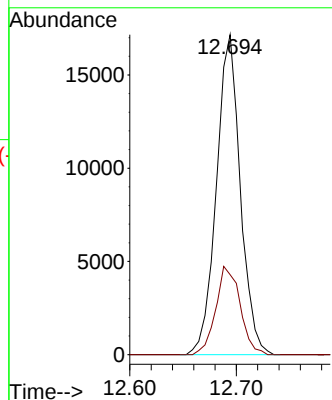
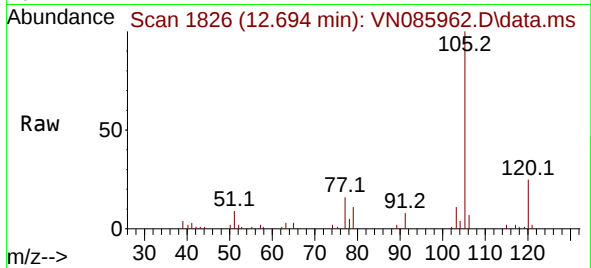




#73
Isopropylbenzene
Concen: 3.198 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

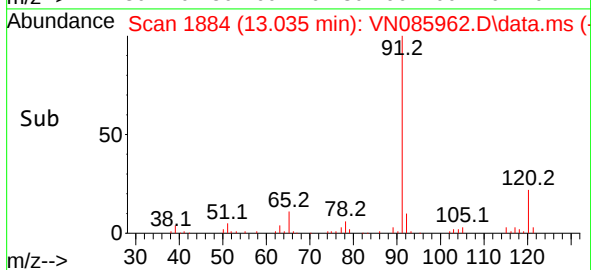
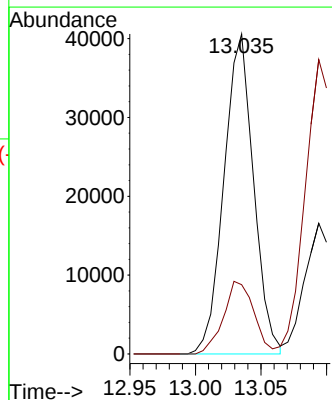
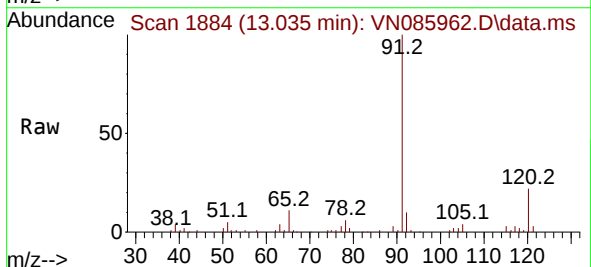
Instrument :
MSVOA_N
ClientSampleId :
FERNOT

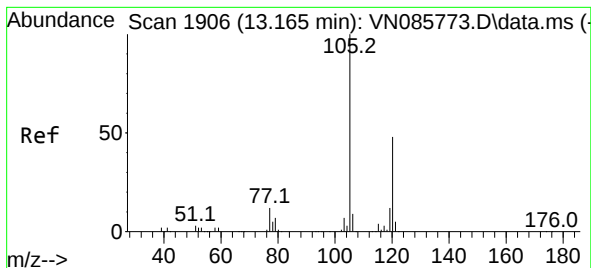
Tgt Ion:105 Resp: 26707
Ion Ratio Lower Upper
105 100
120 28.1 13.0 39.0



#78
n-propylbenzene
Concen: 6.658 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

Tgt Ion: 91 Resp: 63686
Ion Ratio Lower Upper
91 100
120 23.3 11.3 33.8





#80

1,3,5-Trimethylbenzene

Concen: 10.437 ug/l

RT: 13.170 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VN085962.D

Acq: 12 Mar 2025 16:06

Instrument :

MSVOA_N

ClientSampleId :

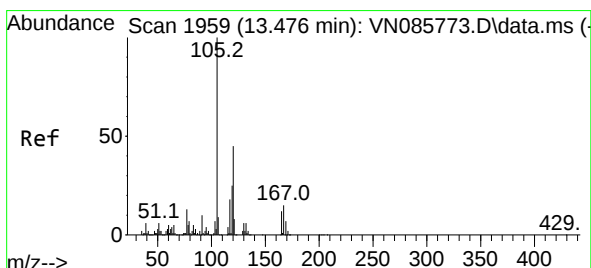
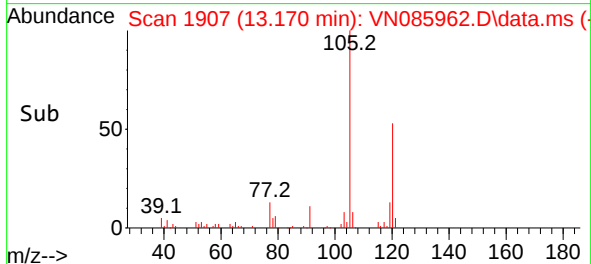
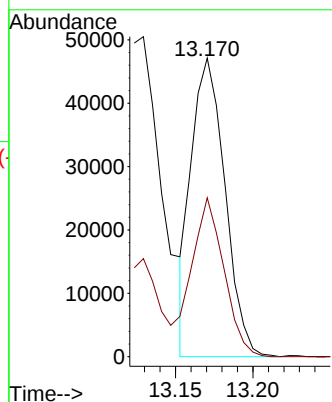
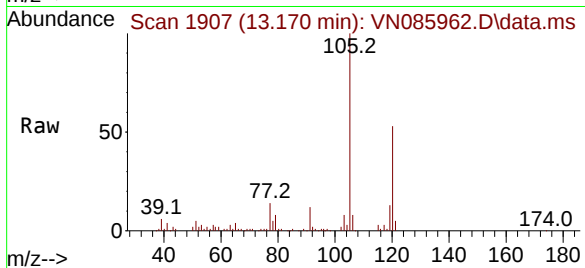
FERNOT

Tgt Ion:105 Resp: 71011

Ion Ratio Lower Upper

105 100

120 51.9 24.3 72.9



#84

1,2,4-Trimethylbenzene

Concen: 49.062 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085962.D

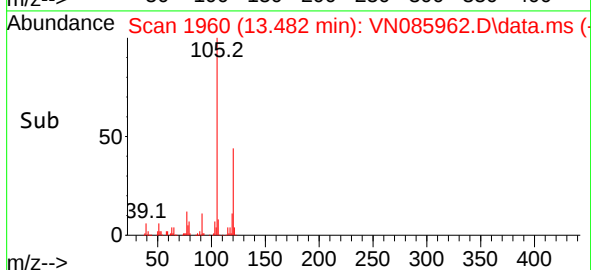
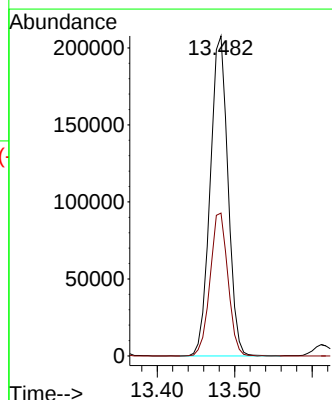
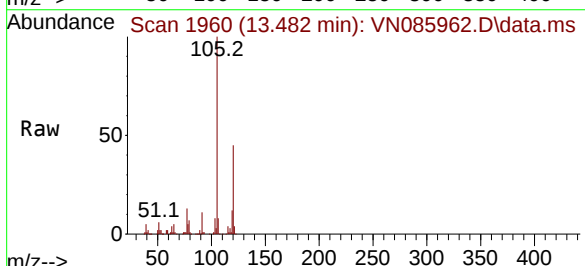
Acq: 12 Mar 2025 16:06

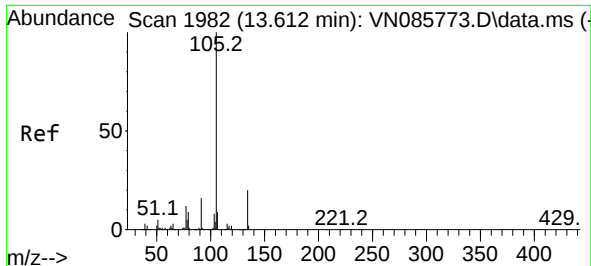
Tgt Ion:105 Resp: 330247

Ion Ratio Lower Upper

105 100

120 44.9 22.4 67.3

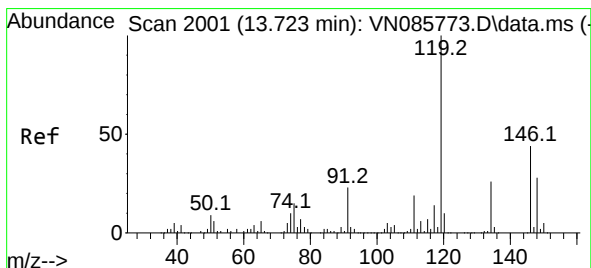
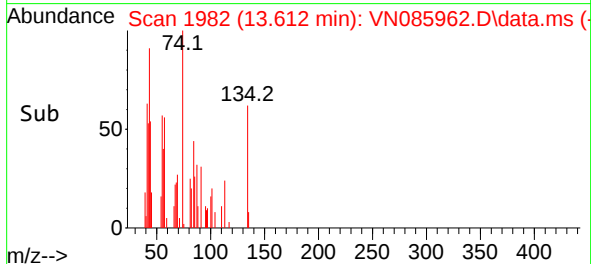
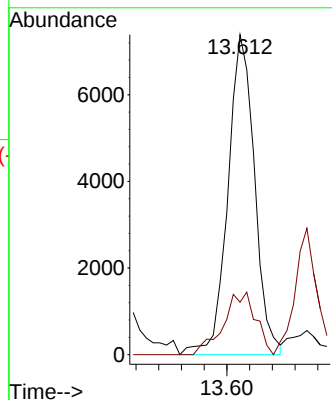
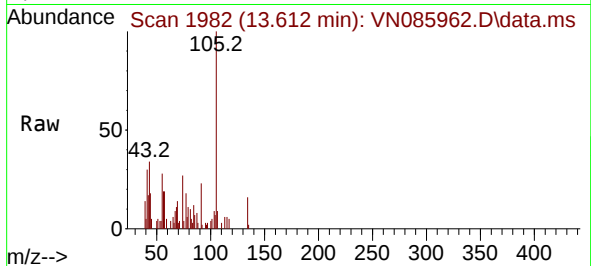




#85
 sec-Butylbenzene
 Concen: 1.492 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085962.D
 Acq: 12 Mar 2025 16:06

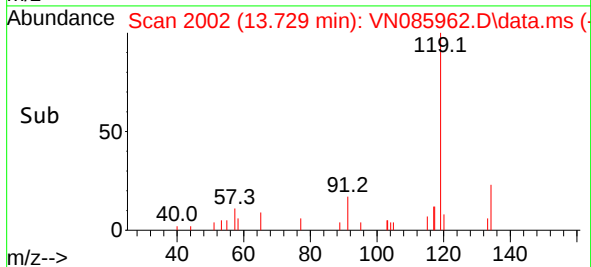
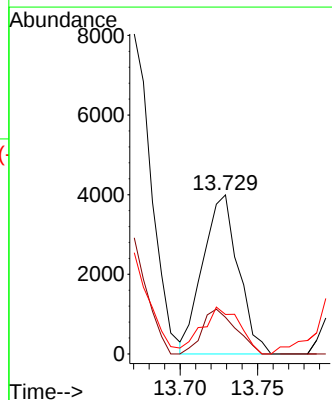
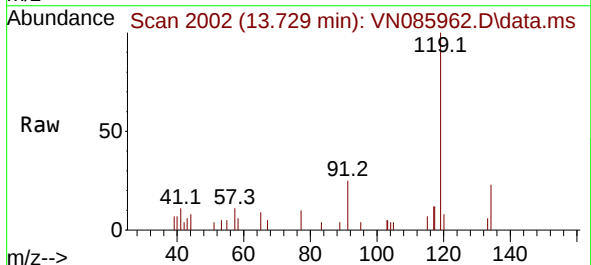
Instrument :
 MSVOA_N
 ClientSampleId :
 FERNOT

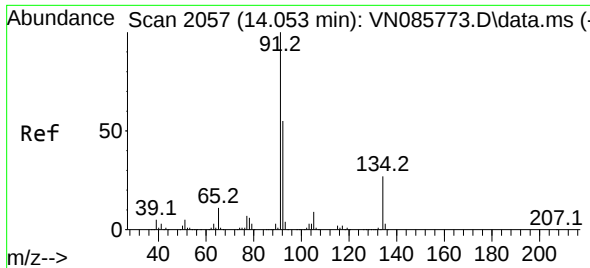
Tgt Ion:105 Resp: 12059
 Ion Ratio Lower Upper
 105 100
 134 23.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 1.545 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN085962.D
 Acq: 12 Mar 2025 16:06

Tgt Ion:119 Resp: 6371
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.0 39.0
 91 31.2 11.7 35.1

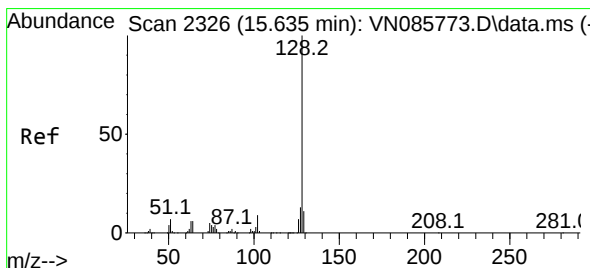
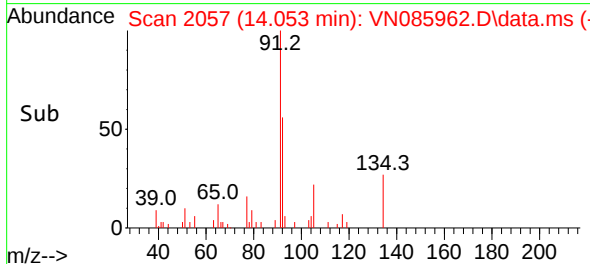
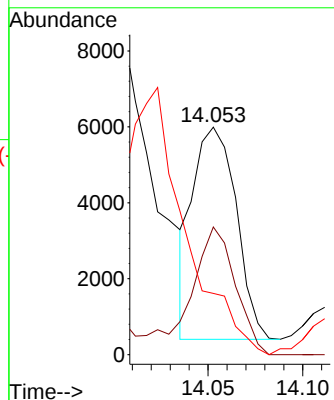
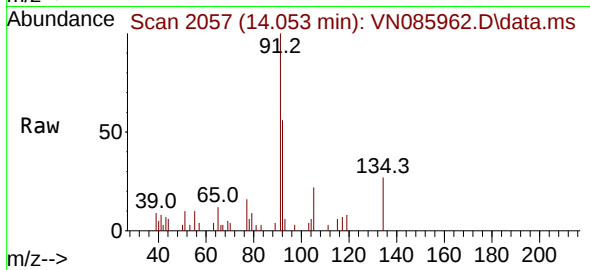




#89
n-Butylbenzene
Concen: 1.543 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Tgt Ion: 91 Resp: 8853
Ion Ratio Lower Upper
91 100
92 62.2 27.1 81.3
134 0.0 12.7 38.1#



#95
Naphthalene
Concen: 14.762 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN085962.D
Acq: 12 Mar 2025 16:06

Tgt Ion: 128 Resp: 78511
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 11.4 8.7 13.1

