

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
 Data File : VN076687.D
 Acq On : 15 Feb 2023 16:04
 Operator : JC\MD
 Sample : 01500-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(FEB)RE

Quant Time: Feb 16 08:20:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

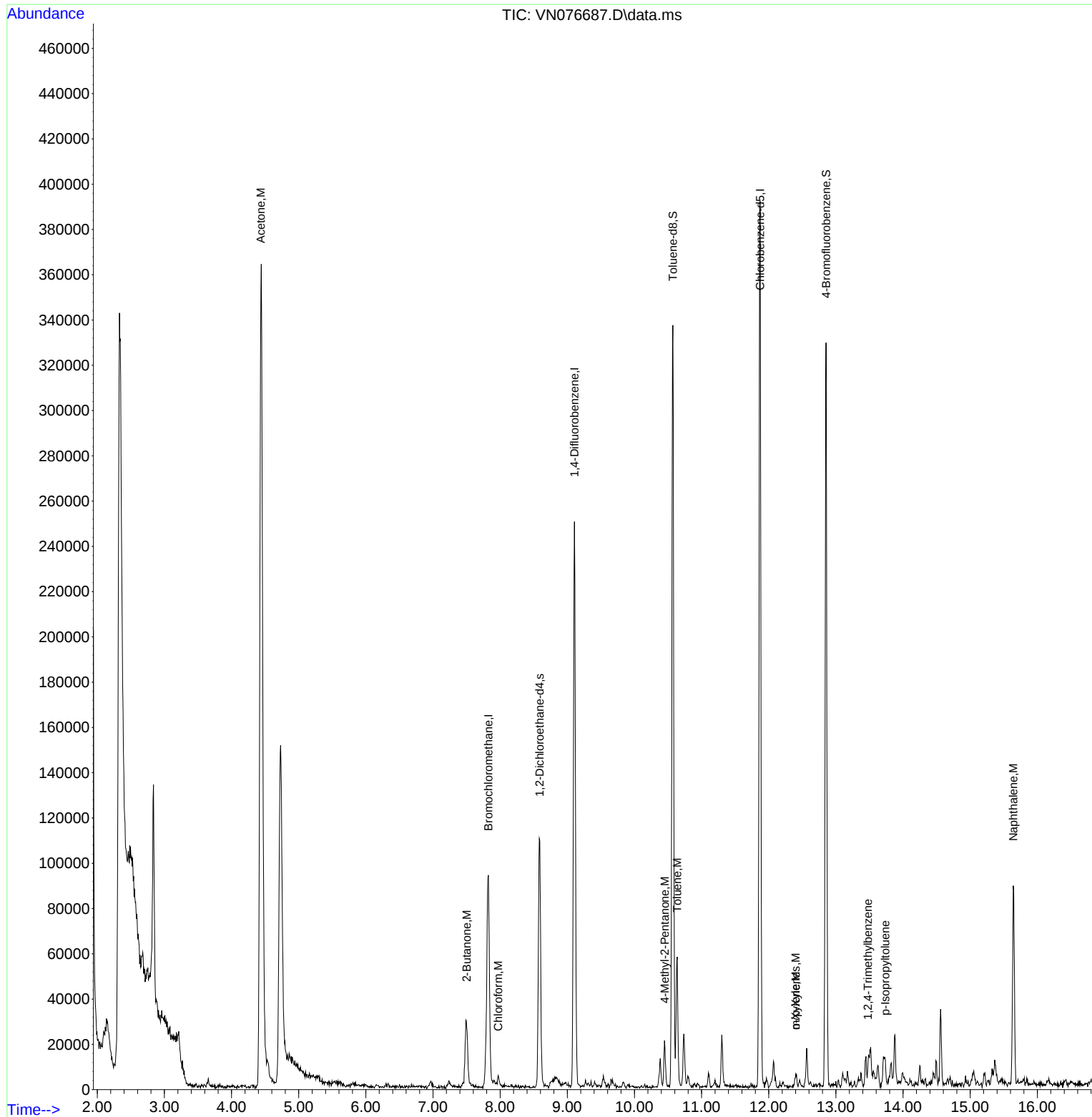
Internal Standards						
1) Bromochloromethane	7.825	128	28190	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	202699	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	221268	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	88911	34.484	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	114.933%#
60) 4-Bromofluorobenzene	12.854	95	105650	26.995	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.967%
63) Toluene-d8	10.572	98	231122	29.821	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.400%
Target Compounds						
					Qvalue	
15) Acetone	4.437	58	214812	379.056	ug/l	96
25) Chloroform	7.972	83	3456	0.572	ug/l #	72
30) 2-Butanone	7.501	43	52585	19.498	ug/l #	72
58) 4-Methyl-2-Pentanone	10.454	43	13734	2.610	ug/l	99
62) Toluene	10.636	91	40170	2.598	ug/l	98
67) m/p-Xylenes	12.401	106	1288	0.200	ug/l	92
68) o-Xylene	12.401	106	1288	0.203	ug/l	96
80) 1,2,4-Trimethylbenzene	13.477	105	7079	0.529	ug/l	98
82) p-Isopropyltoluene	13.736	119	5710	0.411	ug/l	80
91) Naphthalene	15.642	128	77903	6.592	ug/l	100

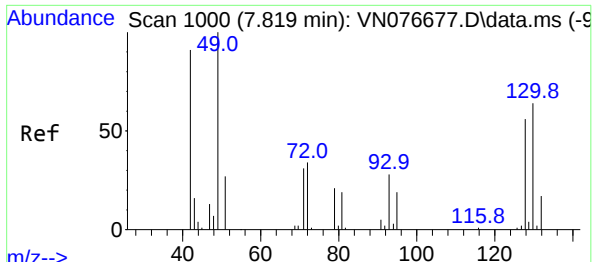
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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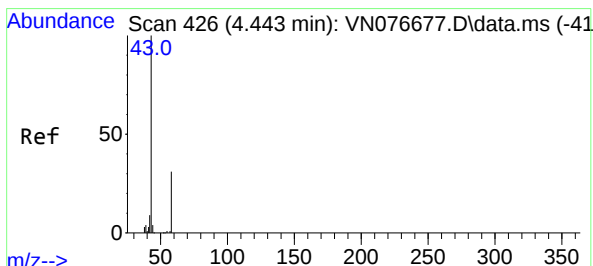
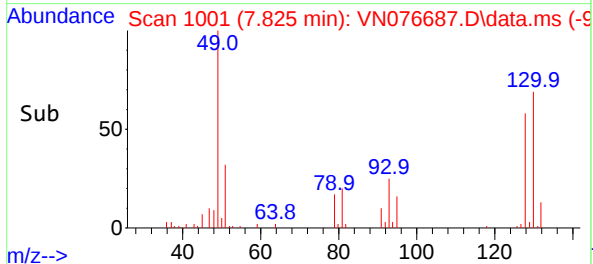
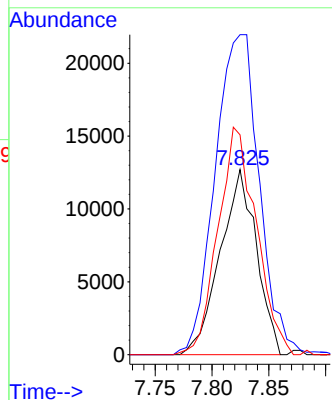
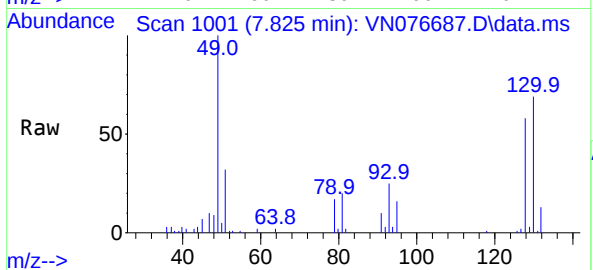




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

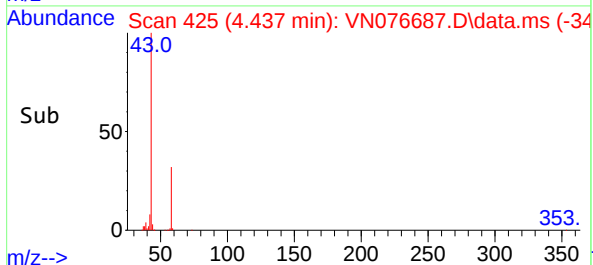
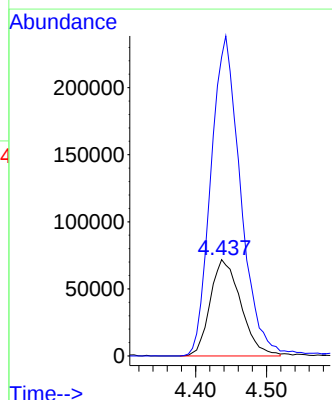
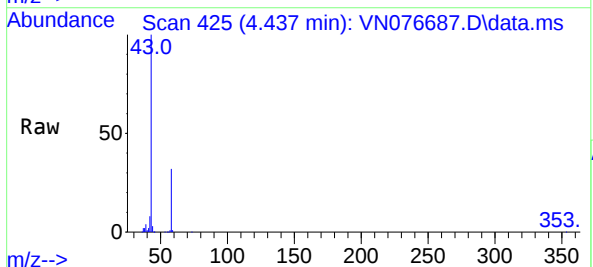
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(FEB)RE

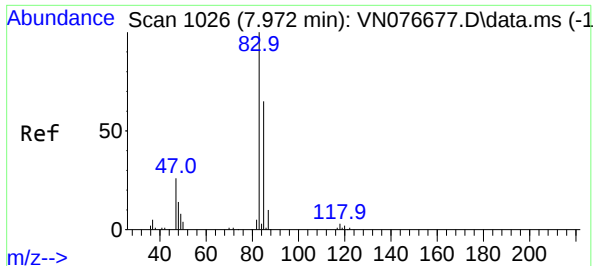
Tgt Ion:128 Resp: 28190
Ion Ratio Lower Upper
128 100
49 210.6 0.0 461.8
130 130.0 0.0 295.3



#15
Acetone
Concen: 379.056 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.006 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

Tgt Ion: 58 Resp: 214812
Ion Ratio Lower Upper
58 100
43 310.7 255.4 383.0





#25

Chloroform

Concen: 0.572 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VN076687.D

Acq: 15 Feb 2023 16:04

Instrument :

MSVOA_N

ClientSampleId :

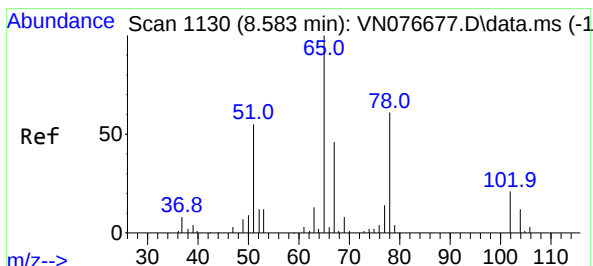
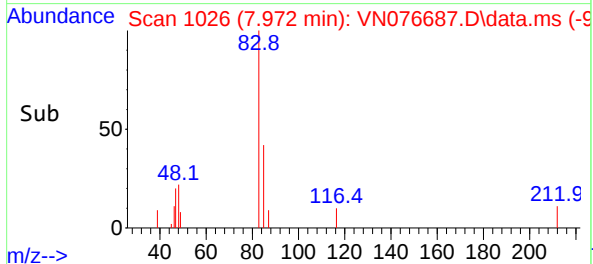
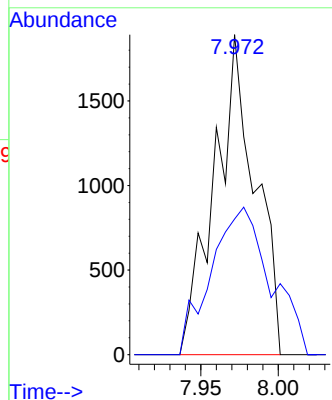
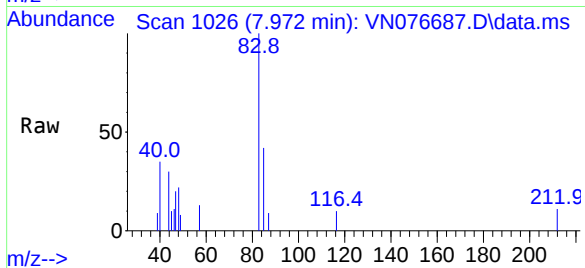
002-35TH-AVE(FEB)RE

Tgt Ion: 83 Resp: 3456

Ion Ratio Lower Upper

83 100

85 42.4 51.8 77.6#



#27

1,2-Dichloroethane-d4

Concen: 34.484 ug/l

RT: 8.589 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN076687.D

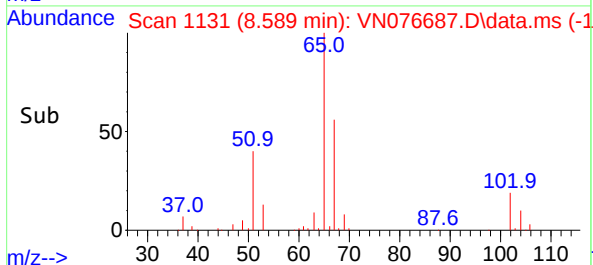
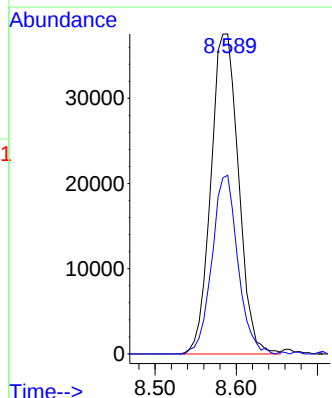
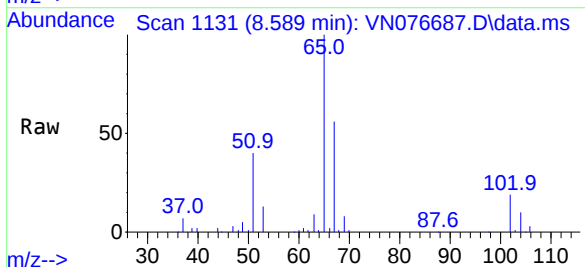
Acq: 15 Feb 2023 16:04

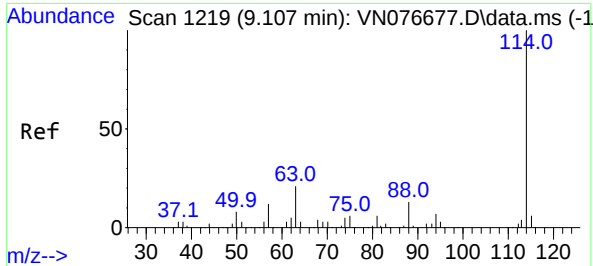
Tgt Ion: 65 Resp: 88911

Ion Ratio Lower Upper

65 100

67 52.3 40.9 61.3

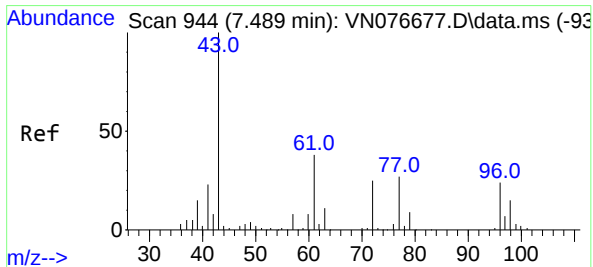
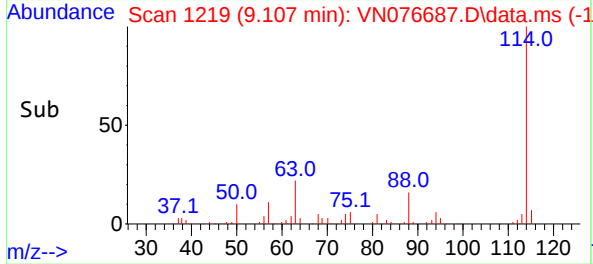
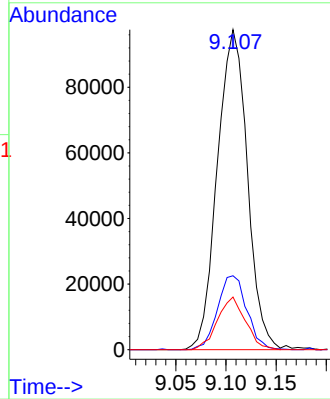
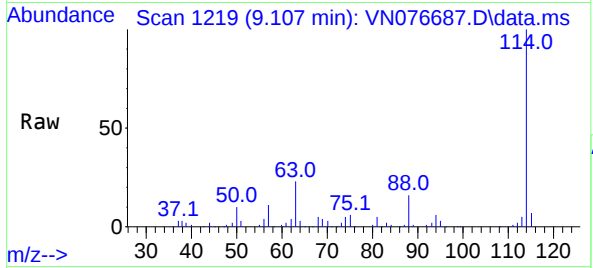




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

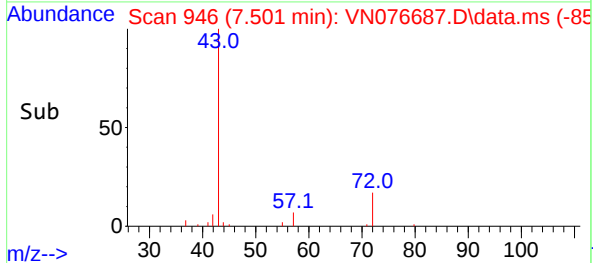
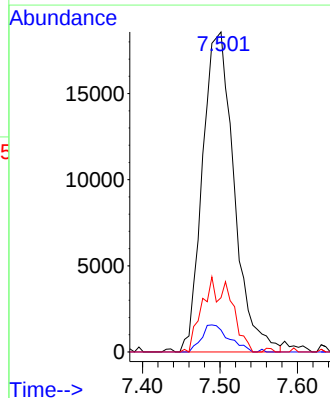
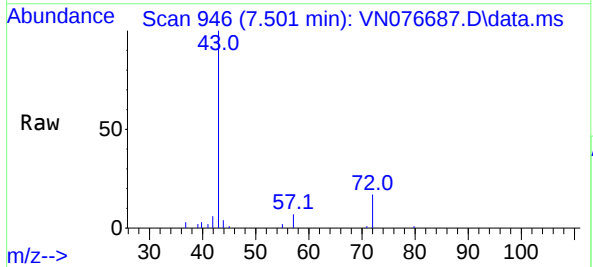
Instrument :
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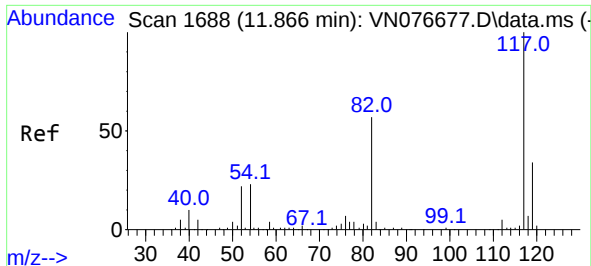
Tgt Ion:114 Resp: 202699
Ion Ratio Lower Upper
114 100
63 22.6 17.0 25.4
88 15.4 11.6 17.4



#30
2-Butanone
Concen: 19.498 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

Tgt Ion: 43 Resp: 52585
Ion Ratio Lower Upper
43 100
57 0.0 6.1 9.1#
72 10.3 20.2 30.4#

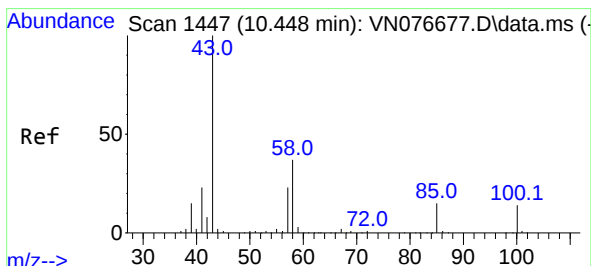
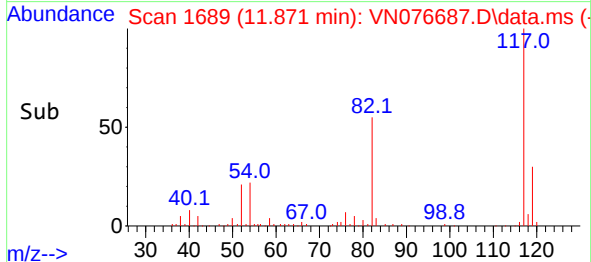
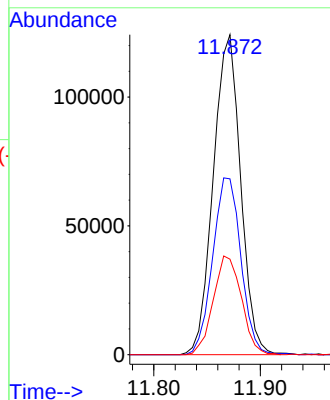
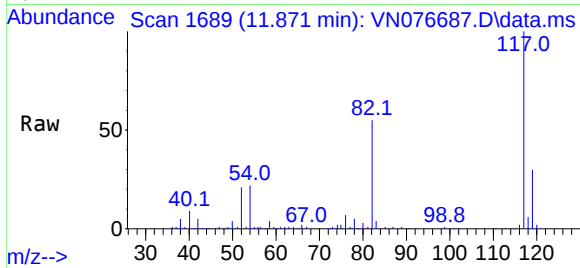




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

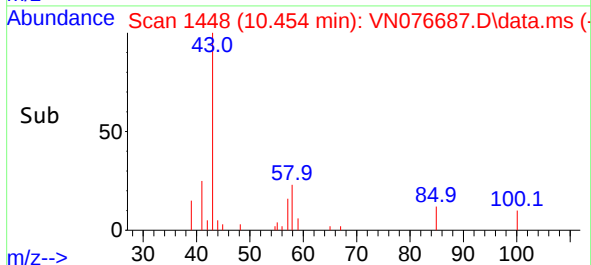
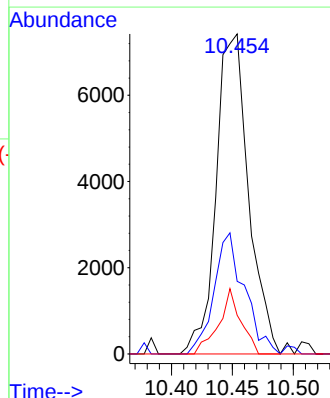
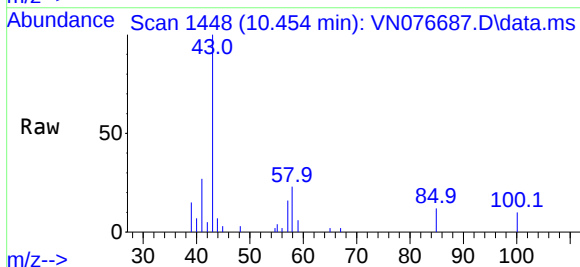
Instrument :
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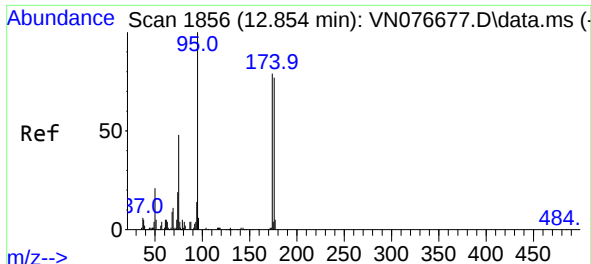
Tgt Ion:117 Resp: 221268
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.0
119 31.8 26.8 40.2



#58
4-Methyl-2-Pentanone
Concen: 2.610 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

Tgt Ion: 43 Resp: 13734
Ion Ratio Lower Upper
43 100
58 35.6 28.6 42.8
85 13.9 11.8 17.8

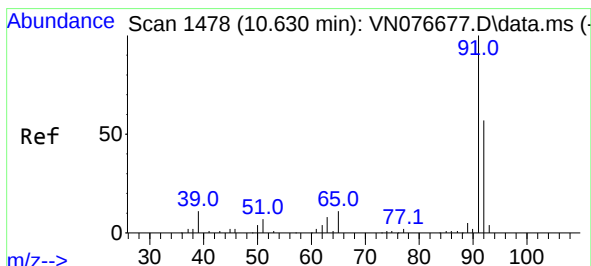
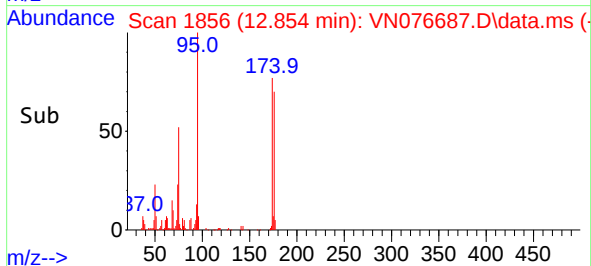
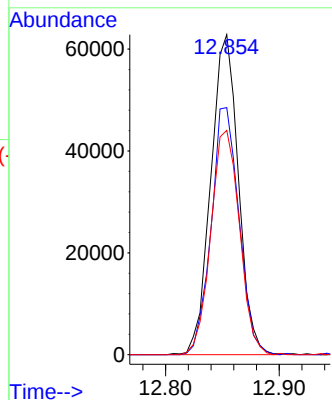
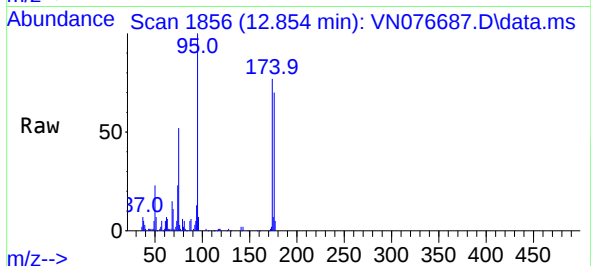




#60
4-Bromofluorobenzene
Concen: 26.995 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

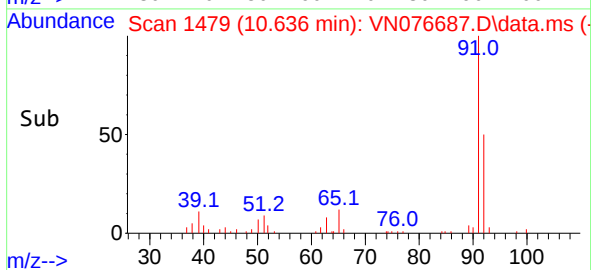
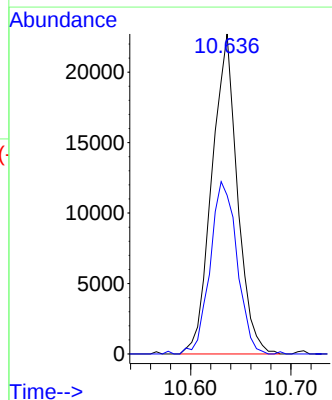
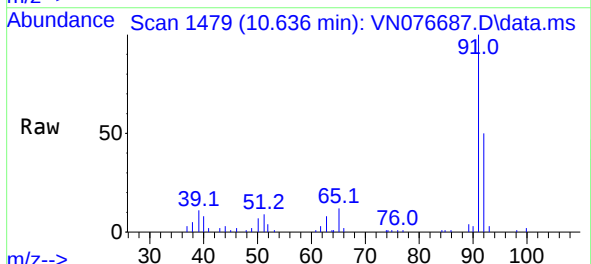
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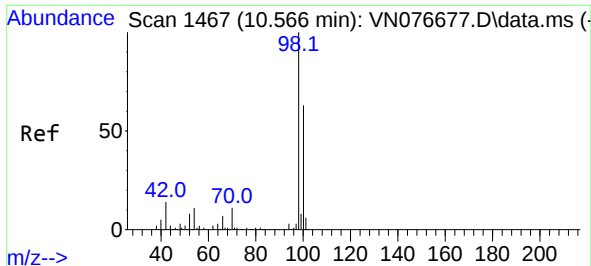
Tgt Ion: 95 Resp: 105650
Ion Ratio Lower Upper
95 100
174 78.3 64.2 96.4
176 73.1 61.4 92.0



#62
Toluene
Concen: 2.598 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

Tgt Ion: 91 Resp: 40170
Ion Ratio Lower Upper
91 100
92 56.7 46.3 69.5

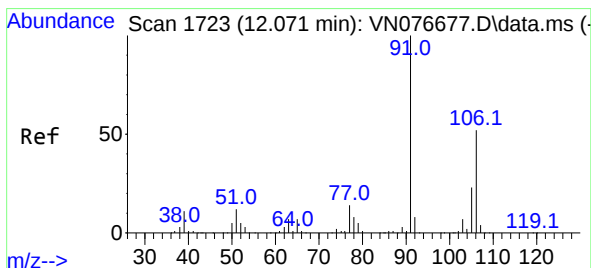
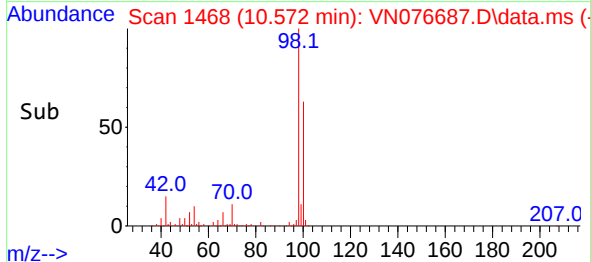
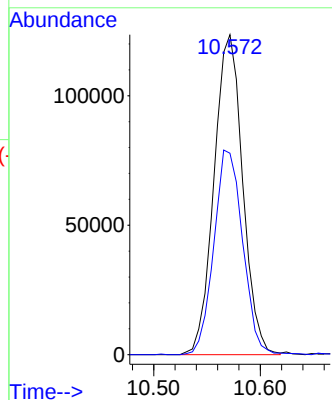
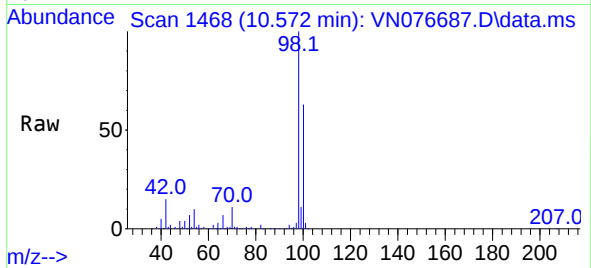




#63
Toluene-d8
Concen: 29.821 ug/l
RT: 10.572 min Scan# 1467
Delta R.T. 0.006 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

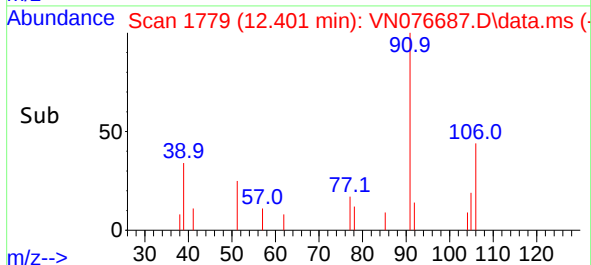
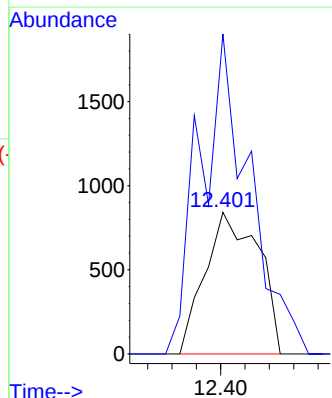
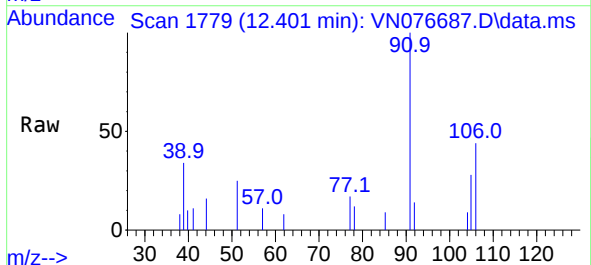
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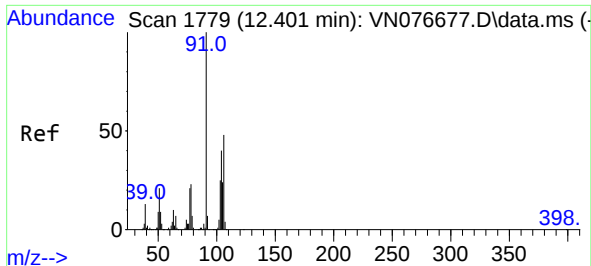
Tgt Ion: 98 Resp: 231122
Ion Ratio Lower Upper
98 100
100 64.1 53.8 80.6



#67
m/p-Xylenes
Concen: 0.200 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.329 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

Tgt Ion: 106 Resp: 1288
Ion Ratio Lower Upper
106 100
91 208.5 157.4 236.2

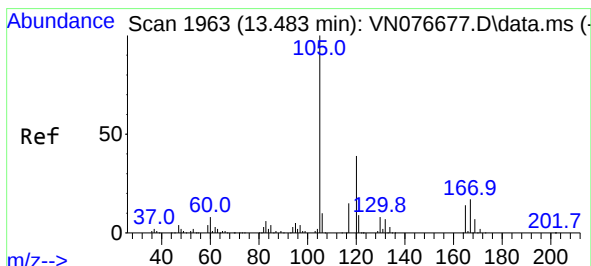
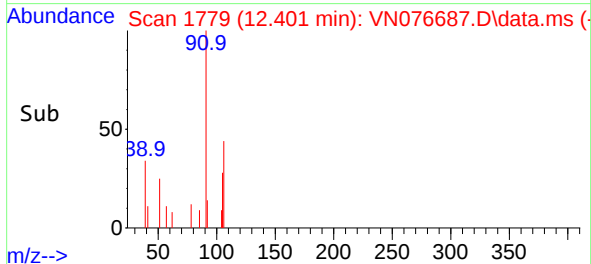
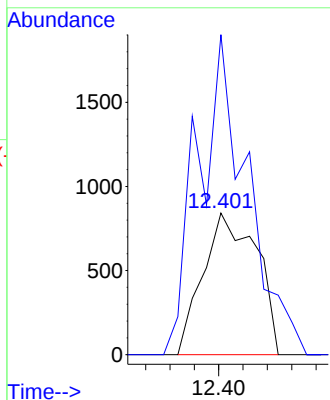
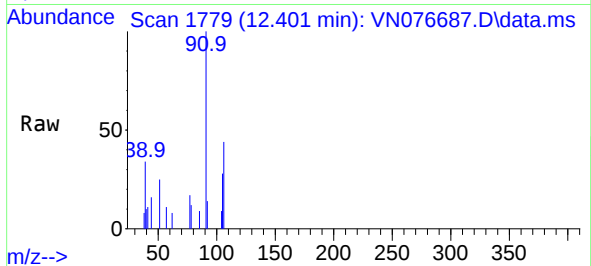




#68
o-Xylene
Concen: 0.203 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

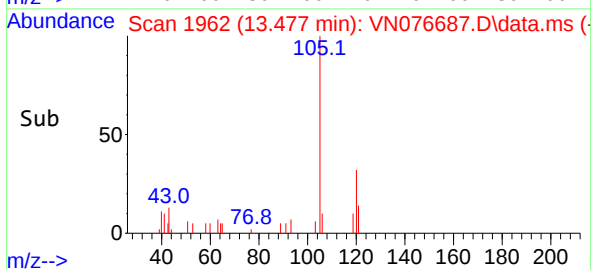
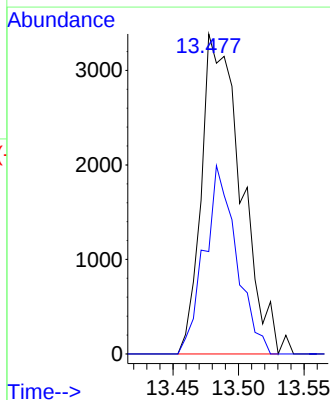
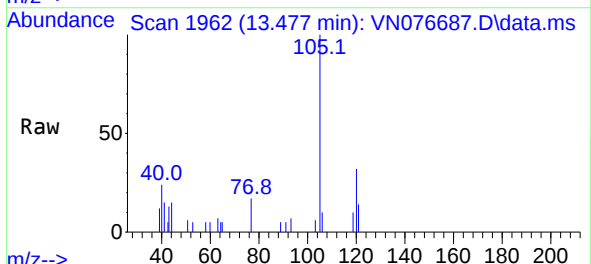
Instrument :
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002-35TH-AVE(FEB)RE

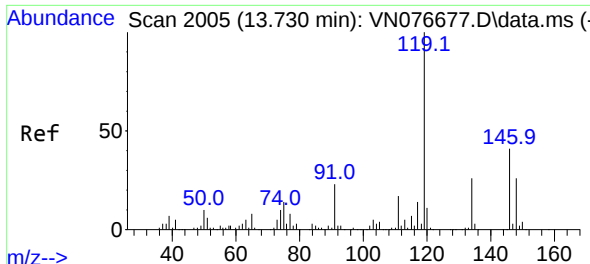
Tgt Ion:106 Resp: 1288
Ion Ratio Lower Upper
106 100
91 208.5 107.2 321.6



#80
1,2,4-Trimethylbenzene
Concen: 0.529 ug/l
RT: 13.477 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

Tgt Ion:105 Resp: 7079
Ion Ratio Lower Upper
105 100
120 47.9 0.0 93.2

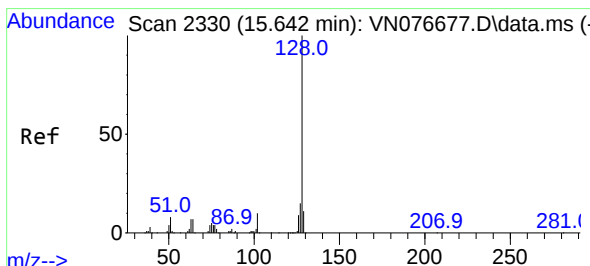
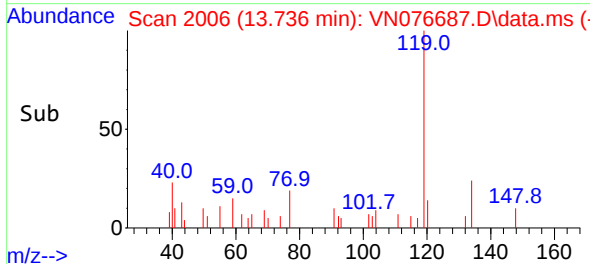
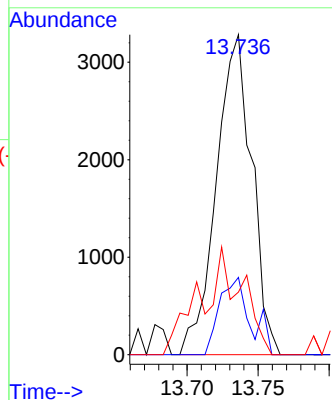
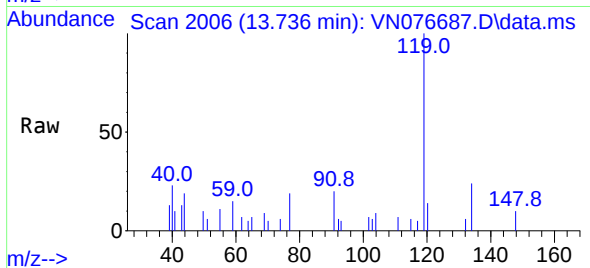




#82
p-Isopropyltoluene
Concen: 0.411 ug/l
RT: 13.736 min Scan# 2005
Delta R.T. 0.006 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(FEB)RE

Tgt Ion:119 Resp: 5710
Ion Ratio Lower Upper
119 100
134 18.0 0.0 53.4
91 12.4 0.0 47.2



#91
Naphthalene
Concen: 6.592 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VN076687.D
Acq: 15 Feb 2023 16:04

Tgt Ion:128 Resp: 77903
Ion Ratio Lower Upper
128 100
127 13.9 11.0 16.6
129 11.2 8.9 13.3

