

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077595.D
 Acq On : 05 May 2023 16:53
 Operator : JC\MD
 Sample : 02599-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(MAY)

Quant Time: May 06 02:33:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

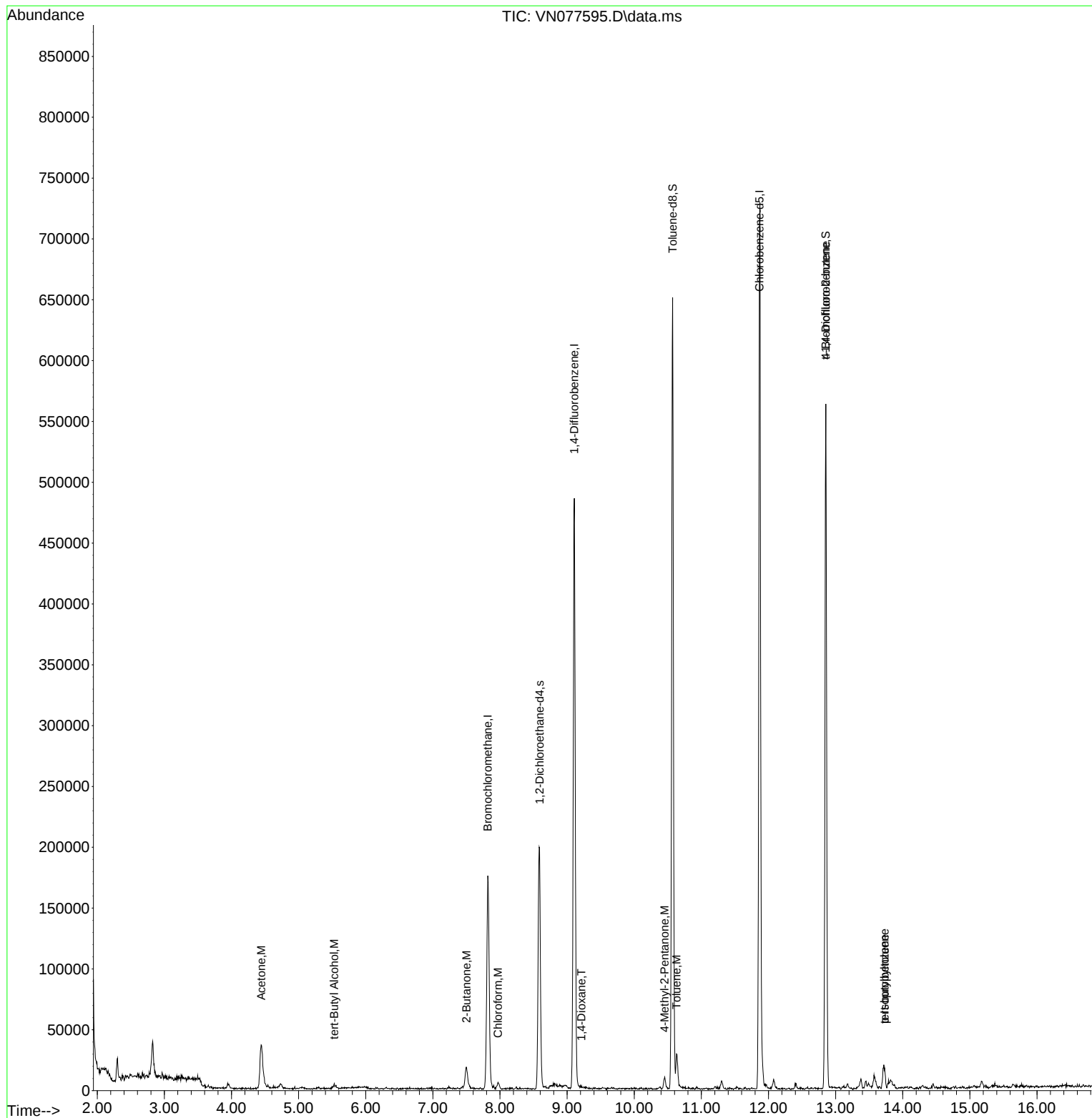
Internal Standards						
1) Bromochloromethane	7.819	128	61394	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	424473	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	429974	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	167978	30.690	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.300%
60) 4-Bromofluorobenzene	12.854	95	207926	27.602	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.000%
63) Toluene-d8	10.572	98	463854	30.615	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.067%
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	15923	17.950	ug/l	85
23) tert-Butyl Alcohol	5.531	59	2056	1.715	ug/l #	100
25) Chloroform	7.972	83	4625	0.344	ug/l #	62
30) 2-Butanone	7.501	43	28582	8.713	ug/l #	90
45) 1,4-Dioxane	9.213	88	300	2.199	ug/l #	1
58) 4-Methyl-2-Pentanone	10.454	43	7232	1.168	ug/l #	62
62) Toluene	10.630	91	21230	0.734	ug/l	96
77) t-1,4-Dichloro-2-butene	12.854	75	108834	41.020	ug/l #	19
79) tert-butylbenzene	13.730	119	4887	0.221	ug/l	71
82) p-Isopropyltoluene	13.730	119	4887	0.202	ug/l	86

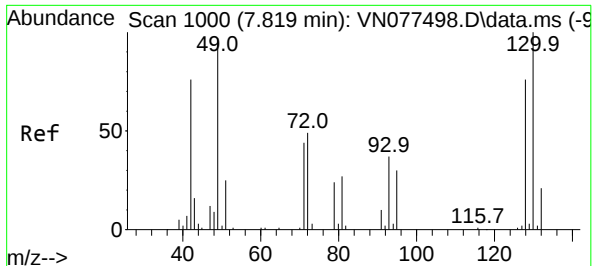
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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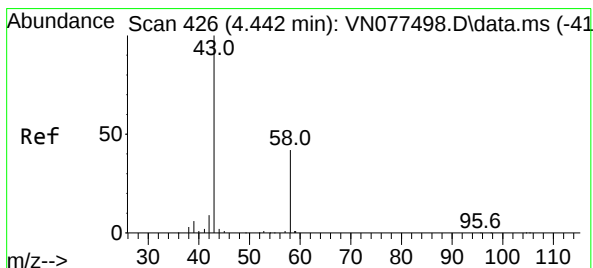
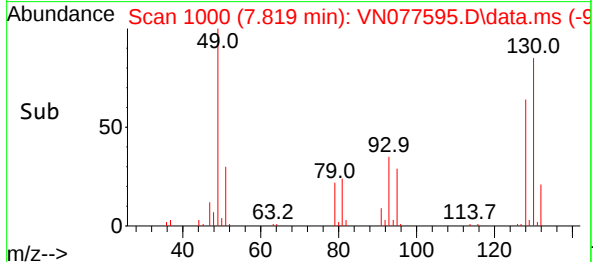
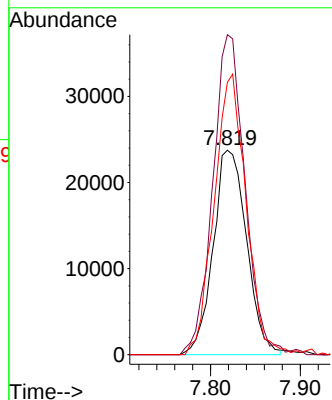
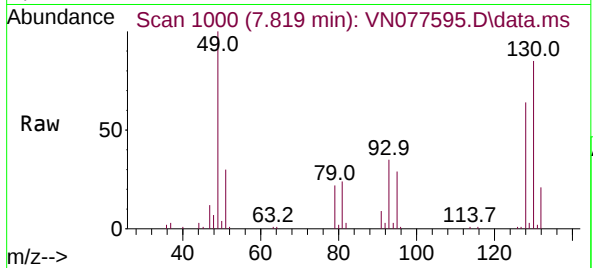




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

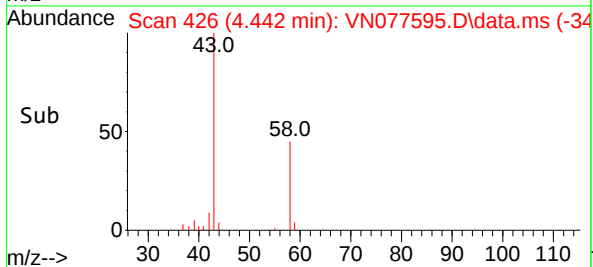
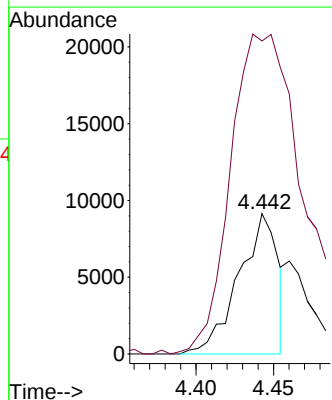
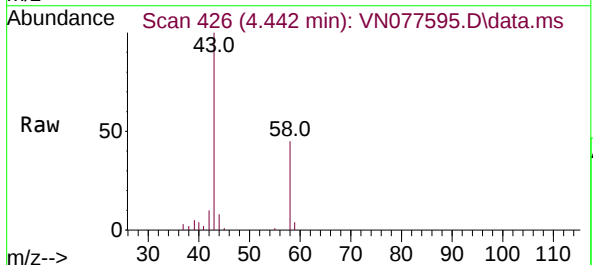
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

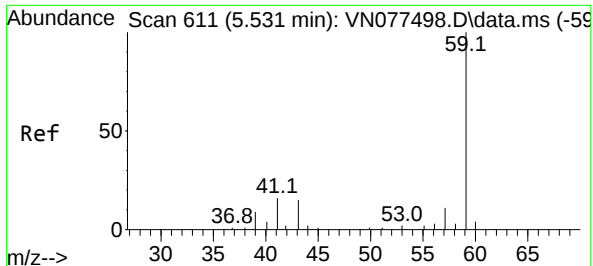
Tgt Ion:128 Resp: 61394
Ion Ratio Lower Upper
128 100
49 148.7 0.0 338.5
130 131.0 0.0 326.3



#15
Acetone
Concen: 17.950 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.000 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

Tgt Ion: 58 Resp: 15923
Ion Ratio Lower Upper
58 100
43 221.4 197.2 295.8

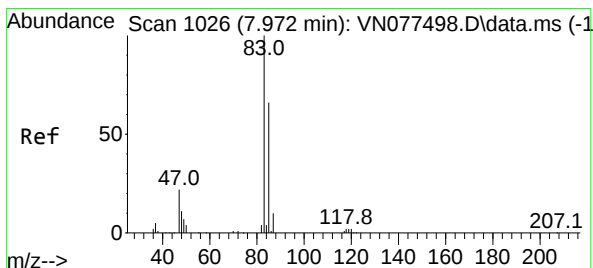
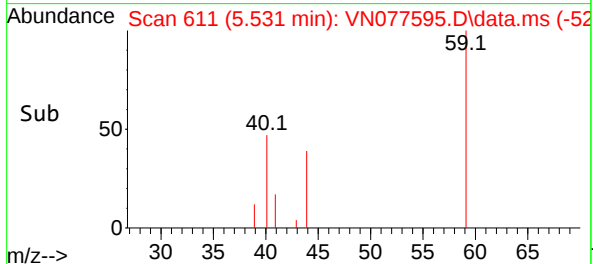
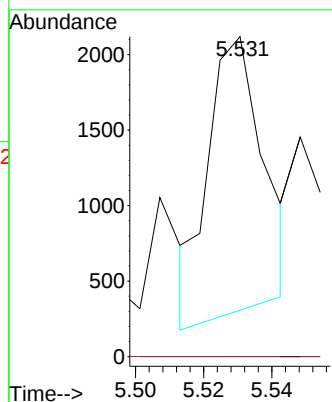
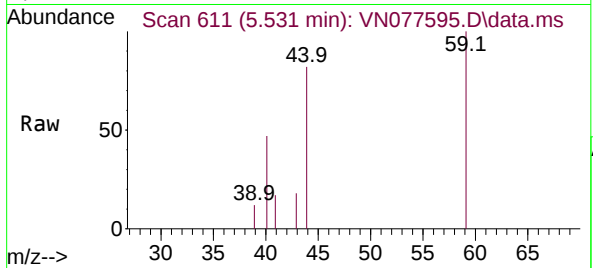




#23
tert-Butyl Alcohol
Concen: 1.715 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

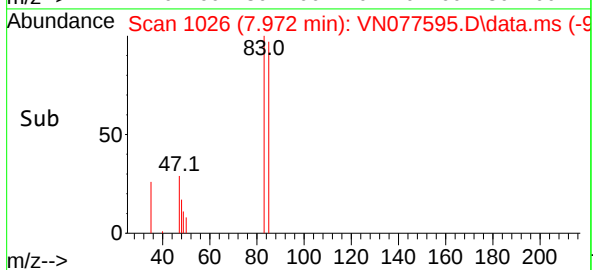
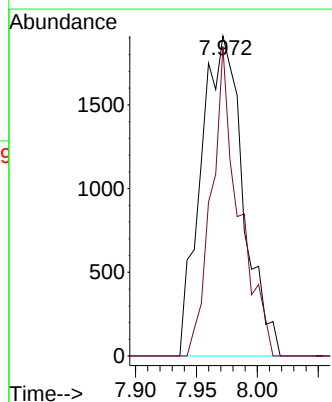
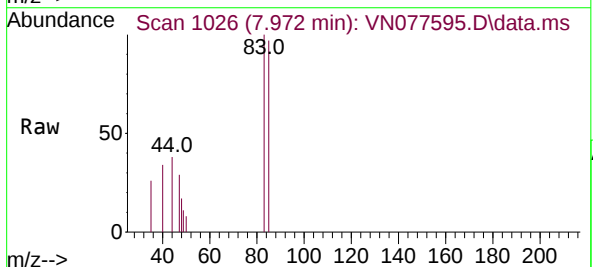
Instrument :
MSVOA_N
ClientSampleId :
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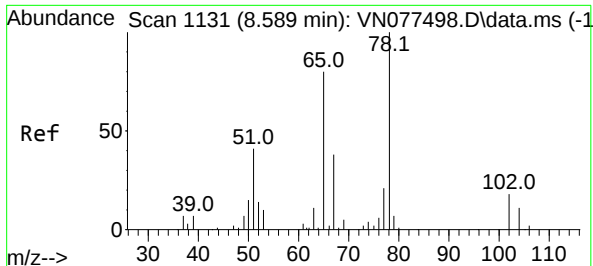
Tgt Ion: 59 Resp: 2056
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.344 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

Tgt Ion: 83 Resp: 4625
Ion Ratio Lower Upper
83 100
85 96.7 53.0 79.4#

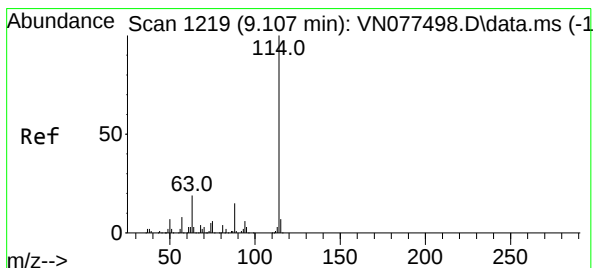
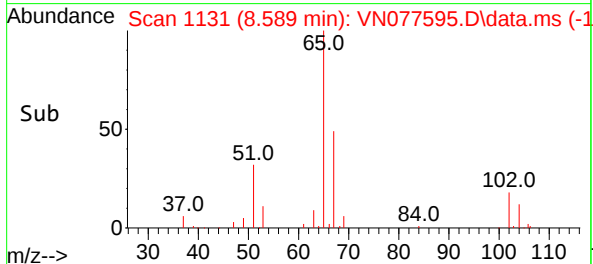
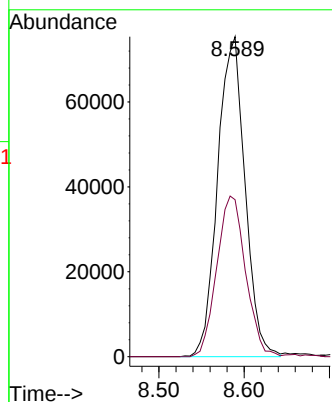
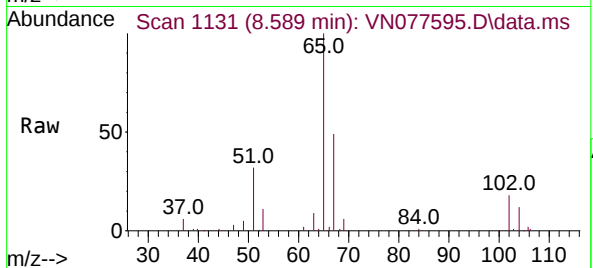




#27
1,2-Dichloroethane-d4
Concen: 30.690 ug/l
RT: 8.589 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

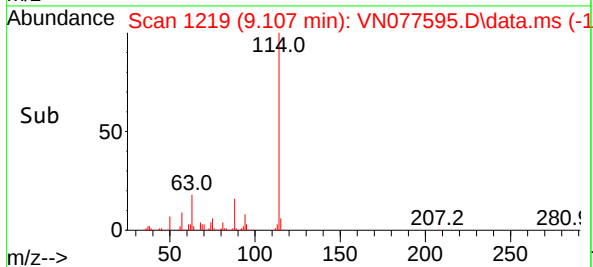
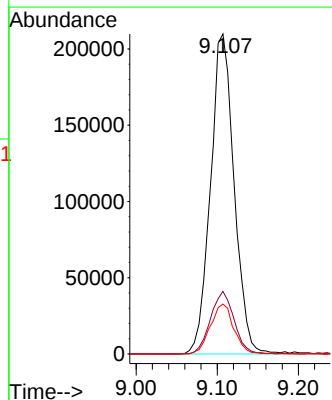
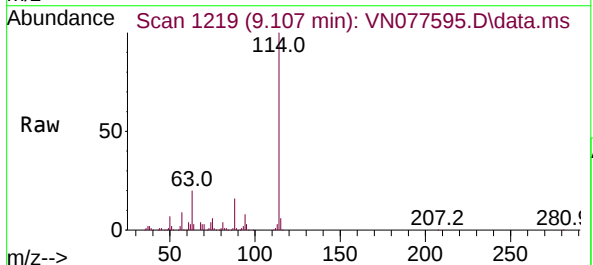
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

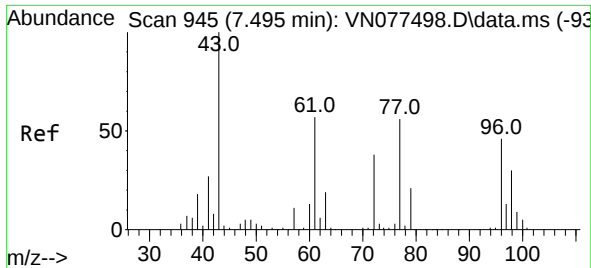
Tgt Ion: 65 Resp: 167978
Ion Ratio Lower Upper
65 100
67 52.7 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

Tgt Ion: 114 Resp: 424473
Ion Ratio Lower Upper
114 100
63 19.5 14.1 21.1
88 15.3 12.3 18.5

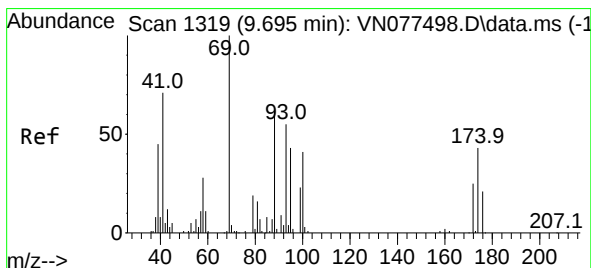
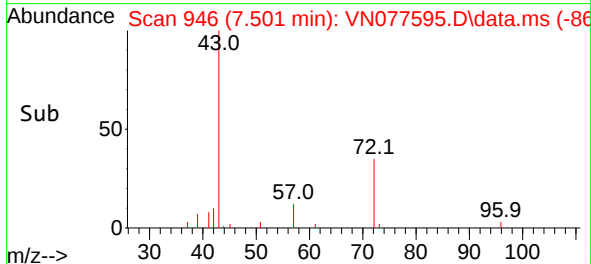
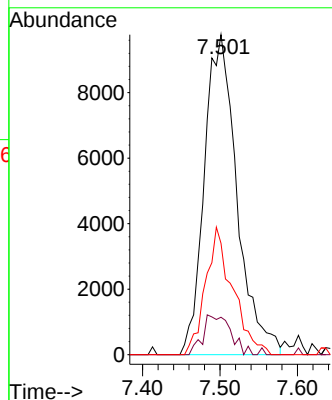
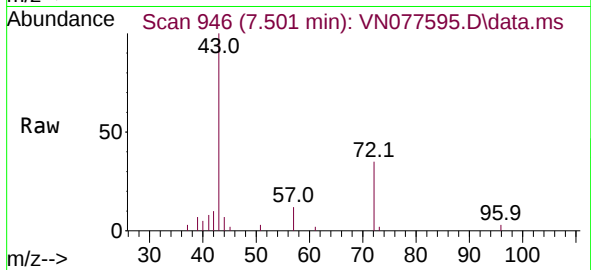




#30
2-Butanone
Concen: 8.713 ug/l
RT: 7.501 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

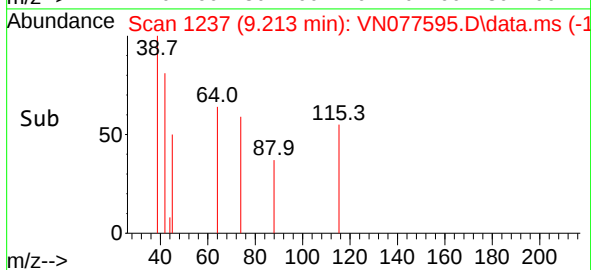
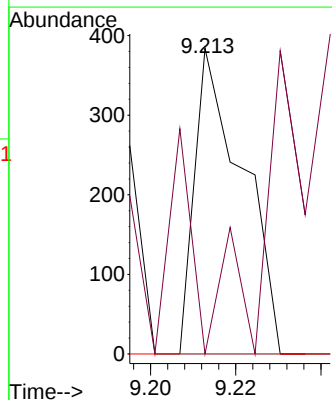
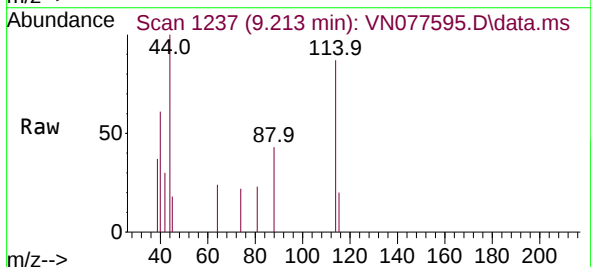
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

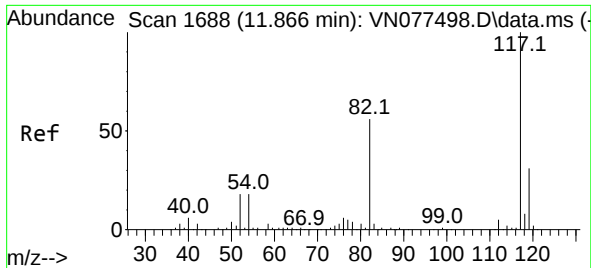
Tgt Ion: 43 Resp: 28582
Ion Ratio Lower Upper
43 100
57 3.1 8.0 12.0#
72 33.2 30.4 45.6



#45
1,4-Dioxane
Concen: 2.199 ug/l
RT: 9.213 min Scan# 1237
Delta R.T. -0.482 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

Tgt Ion: 88 Resp: 300
Ion Ratio Lower Upper
88 100
43 112.7 16.6 24.8#
58 0.0 47.3 70.9#

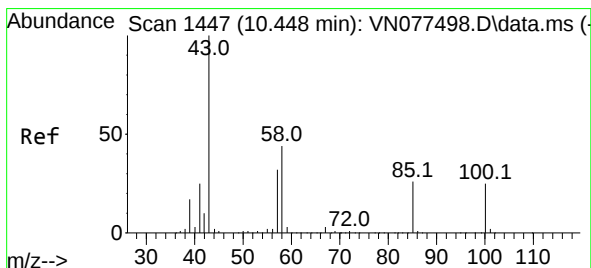
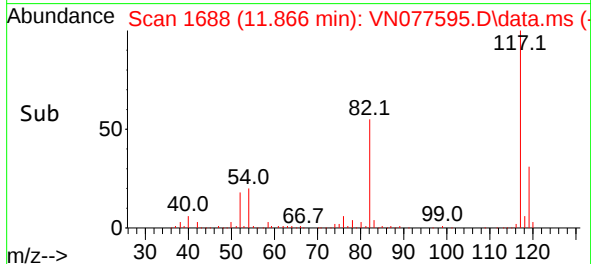
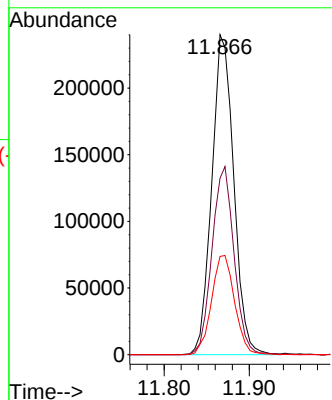
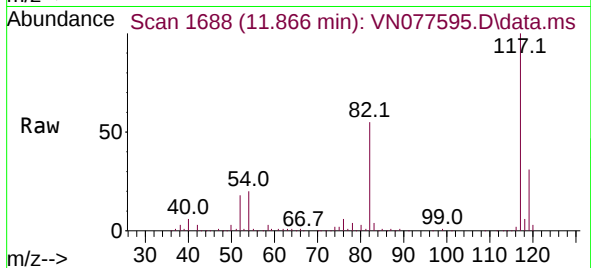




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

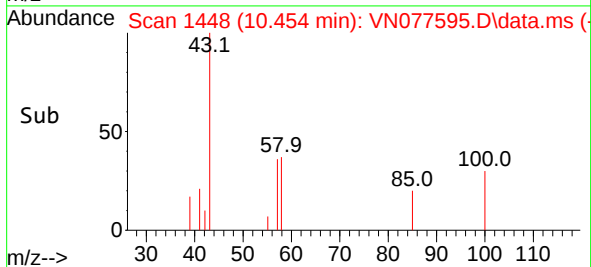
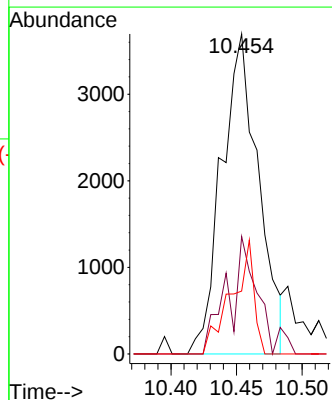
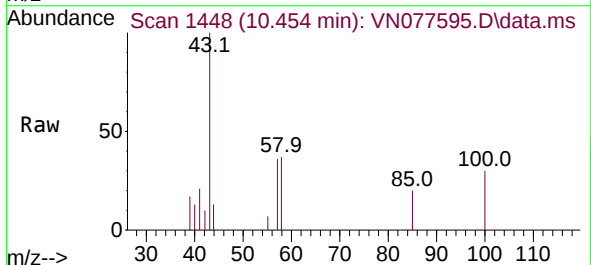
Instrument :
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ClientSampleId :
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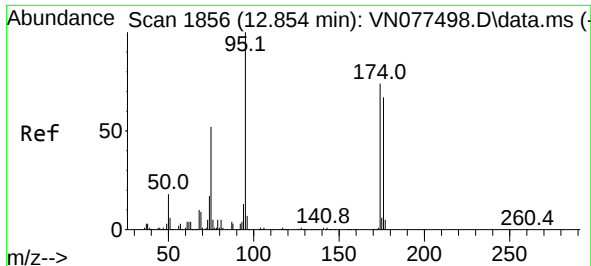
Tgt Ion:117 Resp: 429974
Ion Ratio Lower Upper
117 100
82 59.1 44.2 66.2
119 32.6 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 1.168 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

Tgt Ion: 43 Resp: 7232
Ion Ratio Lower Upper
43 100
58 17.5 37.2 55.8#
85 11.7 21.1 31.7#





#60

4-Bromofluorobenzene

Concen: 27.602 ug/l

RT: 12.854 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077595.D

Acq: 05 May 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(MAY)

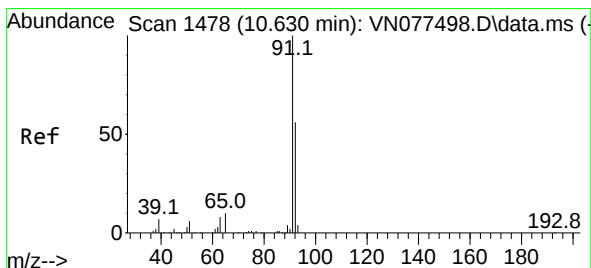
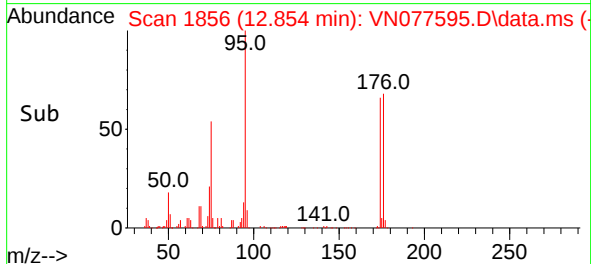
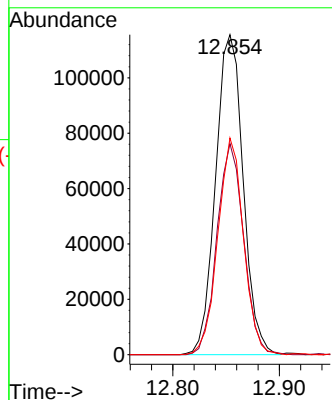
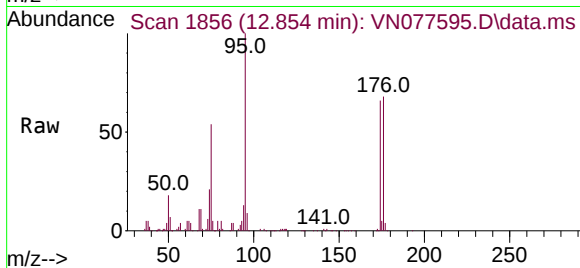
Tgt Ion: 95 Resp: 207926

Ion Ratio Lower Upper

95 100

174 63.7 55.9 83.9

176 63.0 53.9 80.9



#62

Toluene

Concen: 0.734 ug/l

RT: 10.630 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VN077595.D

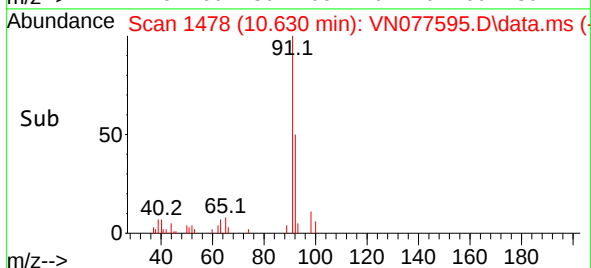
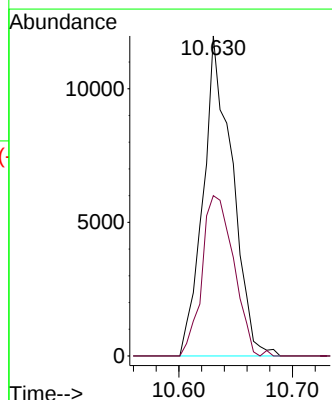
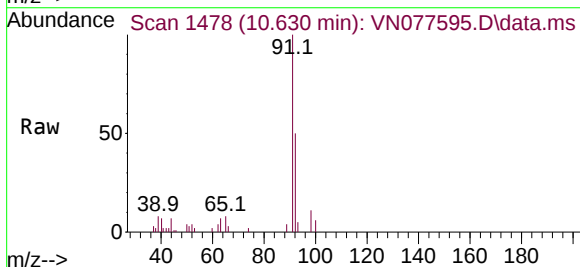
Acq: 05 May 2023 16:53

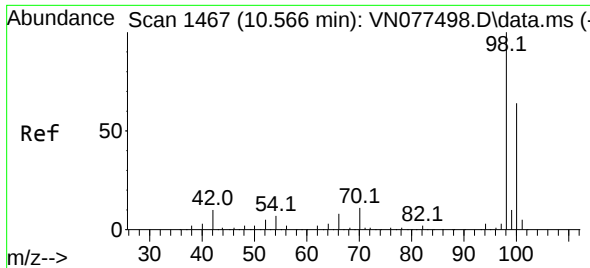
Tgt Ion: 91 Resp: 21230

Ion Ratio Lower Upper

91 100

92 54.4 46.1 69.1

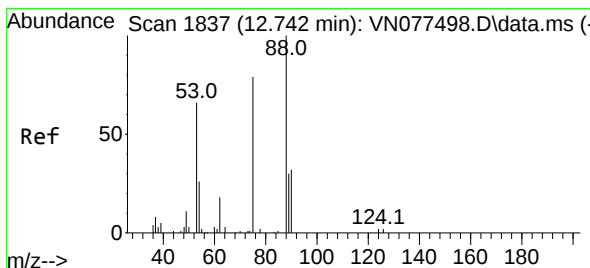
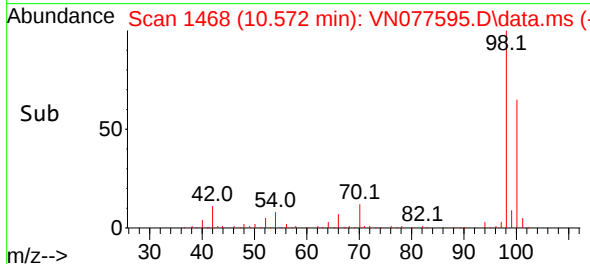
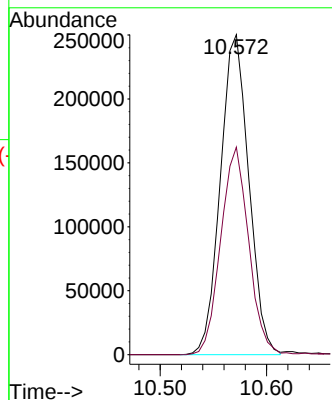
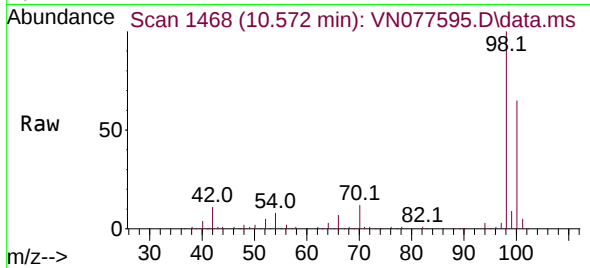




#63
Toluene-d8
Concen: 30.615 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

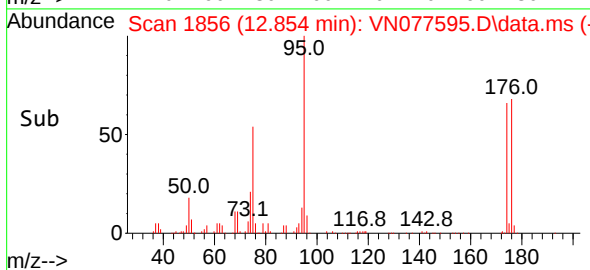
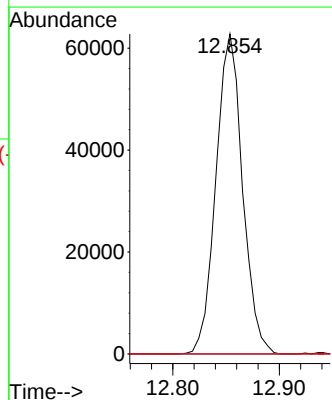
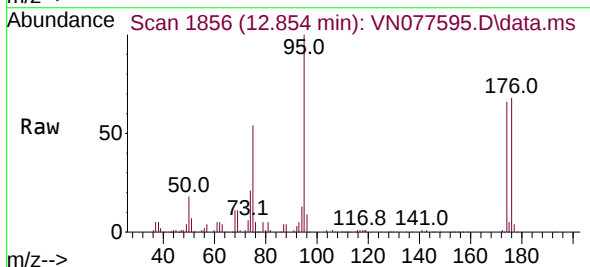
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

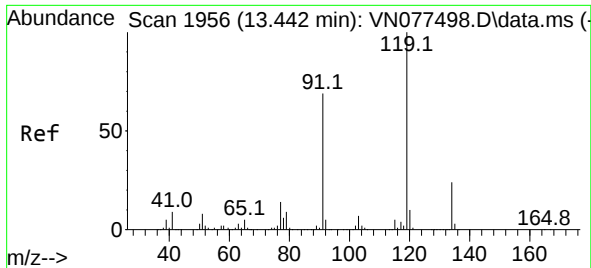
Tgt Ion: 98 Resp: 463854
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 41.020 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

Tgt Ion: 75 Resp: 108834
Ion Ratio Lower Upper
75 100
53 0.0 38.2 114.6#
89 0.0 22.1 66.1#

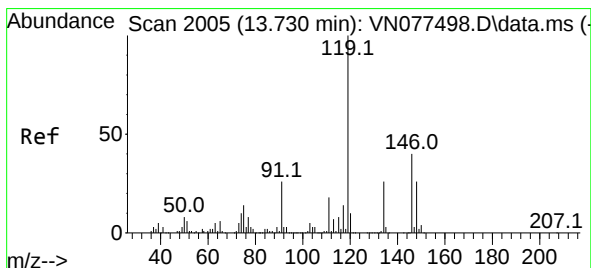
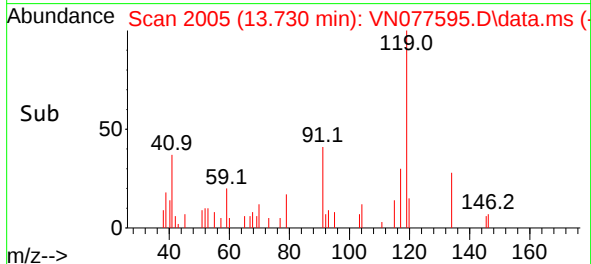
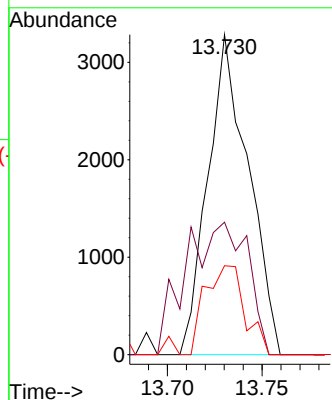
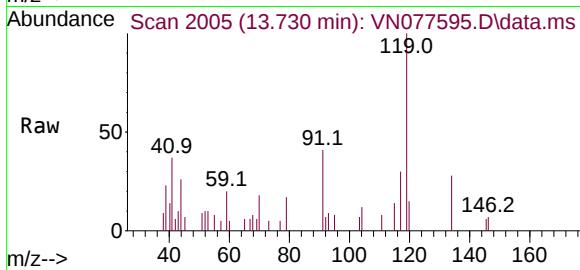




#79
tert-butylbenzene
Concen: 0.221 ug/l
RT: 13.730 min Scan# 2005
Delta R.T. 0.288 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

Tgt Ion:119 Resp: 4887
Ion Ratio Lower Upper
119 100
91 38.6 0.0 139.4
134 27.3 0.0 49.2



#82
p-Isopropyltoluene
Concen: 0.202 ug/l
RT: 13.730 min Scan# 2005
Delta R.T. 0.000 min
Lab File: VN077595.D
Acq: 05 May 2023 16:53

Tgt Ion:119 Resp: 4887
Ion Ratio Lower Upper
119 100
134 27.3 0.0 52.4
91 38.6 0.0 50.6

