

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075064.D
 Acq On : 28 Oct 2022 16:36
 Operator : JC\MD
 Sample : N5314-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 221026069-02-VOA

Quant Time: Oct 28 16:55:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 10:19:47 2022
 Response via : Initial Calibration

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

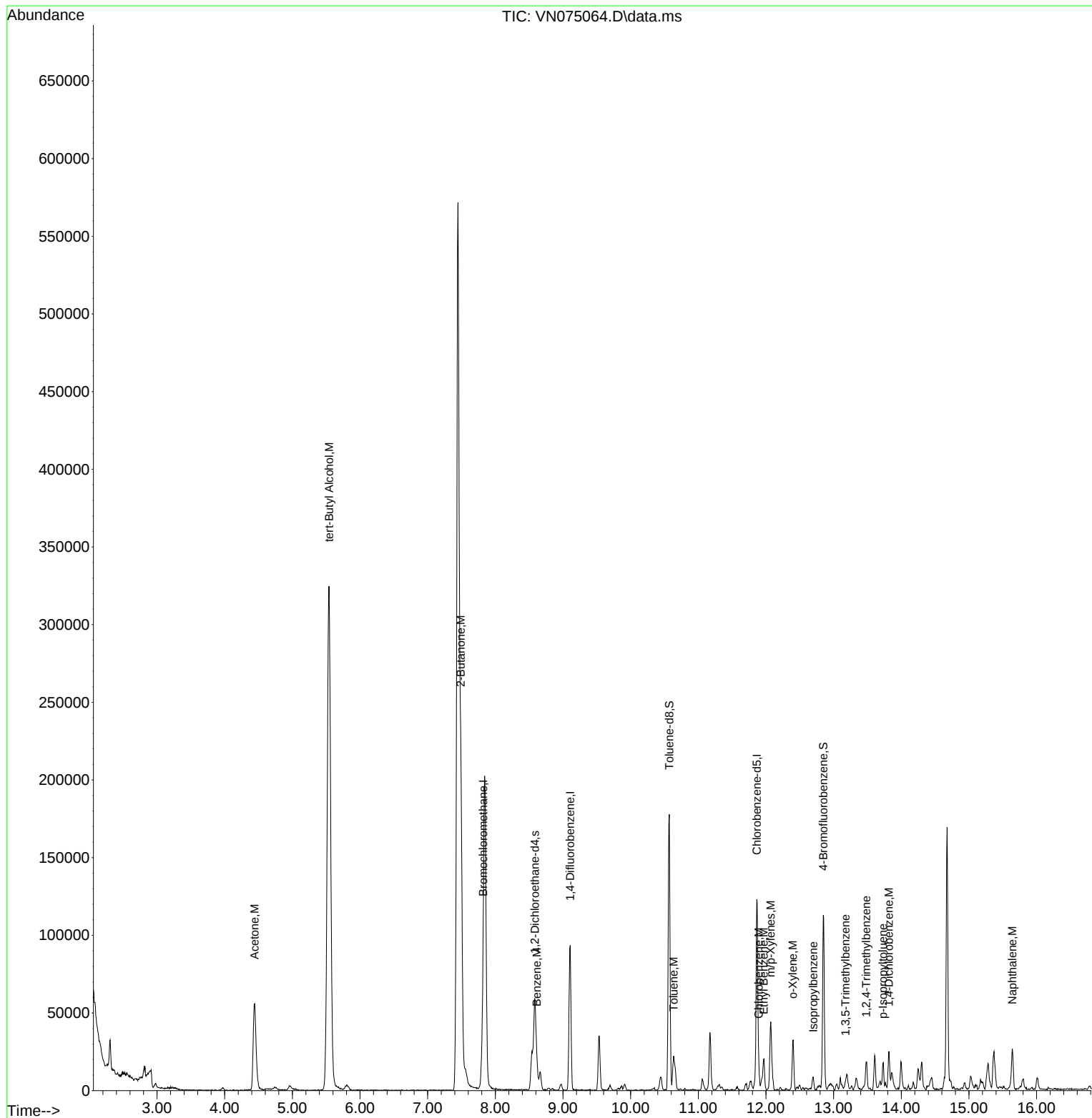
Internal Standards						
1) Bromochloromethane	7.818	128	14646	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	81940	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	70758	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	43700	32.633	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 108.767%	
60) 4-Bromofluorobenzene	12.847	95	37228	26.777	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 89.267%	
63) Toluene-d8	10.571	98	123719	31.262	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.200%	
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	33135	201.955	ug/l	81
23) tert-Butyl Alcohol	5.542	59	635783	2338.719	ug/l #	100
30) 2-Butanone	7.489	43	308921	381.281	ug/l	99
34) Benzene	8.612	78	16234	3.778	ug/l #	95
62) Toluene	10.635	91	15273	3.334	ug/l	95
64) Chlorobenzene	11.894	112	4856	1.710	ug/l #	87
66) Ethyl Benzene	11.965	91	13876	2.688	ug/l	95
67) m/p-Xylenes	12.071	106	14545	7.024	ug/l	98
68) o-Xylene	12.394	106	9198	4.419	ug/l	93
70) Isopropylbenzene	12.700	105	5356	0.988	ug/l	92
76) 1,3,5-Trimethylbenzene	13.176	105	2766	0.602	ug/l	91
80) 1,2,4-Trimethylbenzene	13.482	105	11135	2.383	ug/l #	82
82) p-Isopropyltoluene	13.729	119	9815	2.018	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	6186	2.686	ug/l	93
91) Naphthalene	15.641	128	23627	5.716	ug/l	99

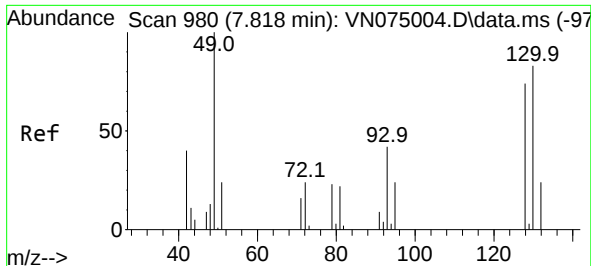
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
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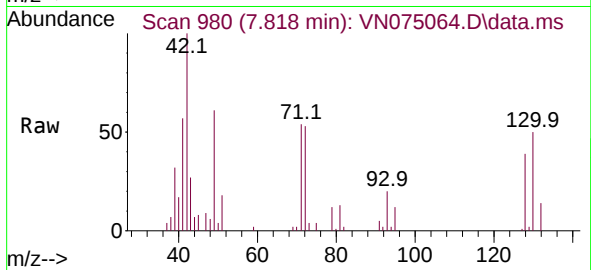
Quant Time: Oct 28 16:55:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 27 10:19:47 2022
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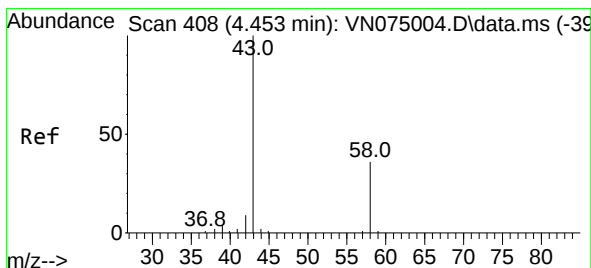
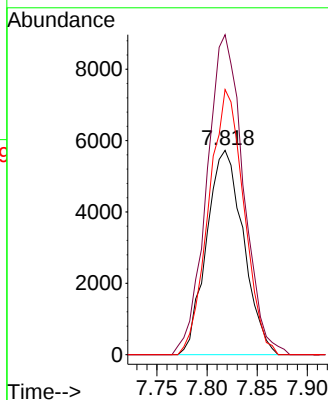
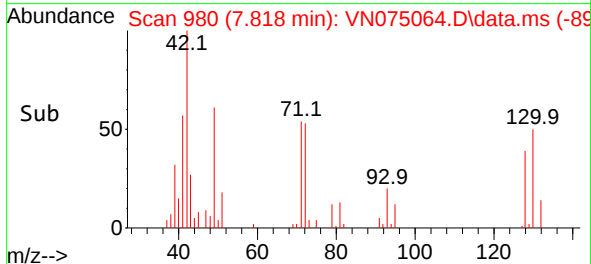


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

Instrument :
MSVOA_N
ClientSampleId :
221026069-02-VOA

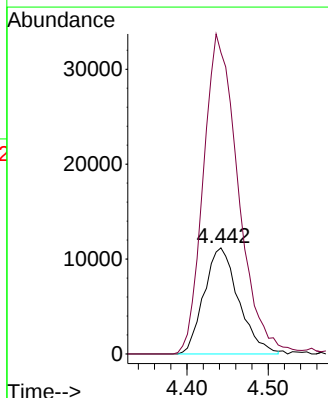
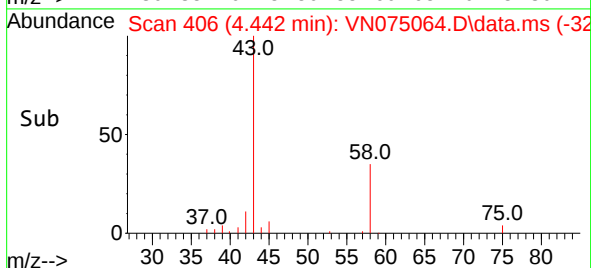
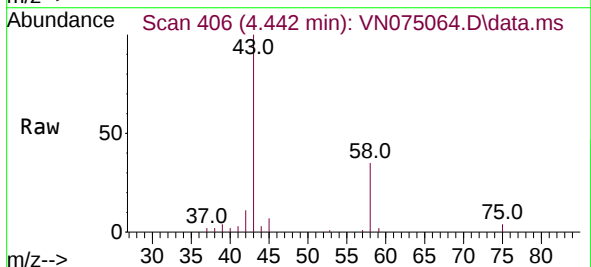


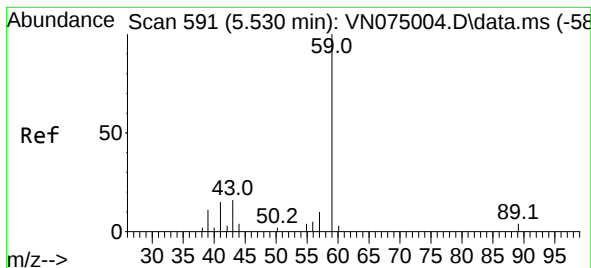
Tgt Ion:128 Resp: 14646
Ion Ratio Lower Upper
128 100
49 155.3 0.0 392.3
130 123.8 0.0 320.2



#15
Acetone
Concen: 201.955 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.012 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

Tgt Ion: 58 Resp: 33135
Ion Ratio Lower Upper
58 100
43 282.7 256.6 384.8





#23

tert-Butyl Alcohol

Concen: 2338.719 ug/l

RT: 5.542 min Scan# 591

Delta R.T. 0.012 min

Lab File: VN075064.D

Acq: 28 Oct 2022 16:36

Instrument :

MSVOA_N

ClientSampleId :

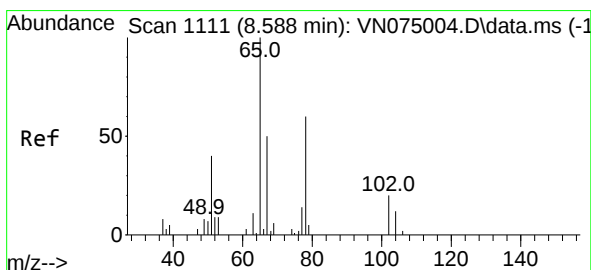
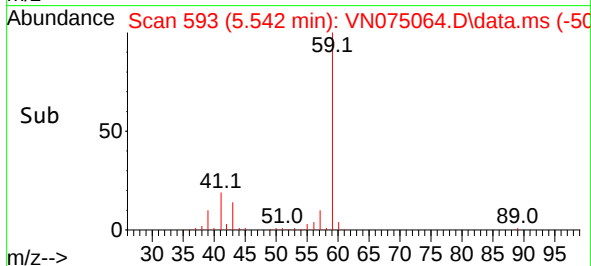
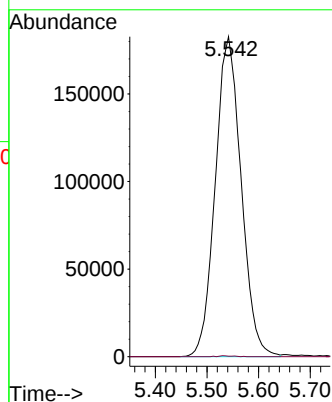
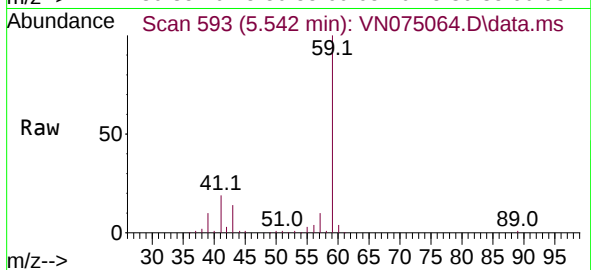
221026069-02-VOA

Tgt Ion: 59 Resp: 635783

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0#



#27

1,2-Dichloroethane-d4

Concen: 32.633 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VN075064.D

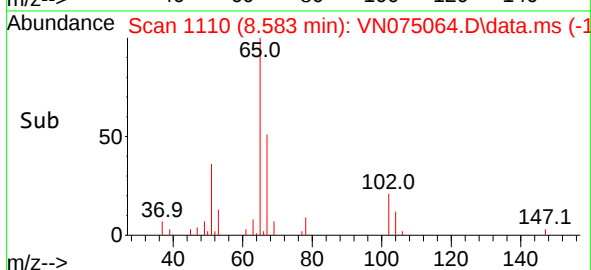
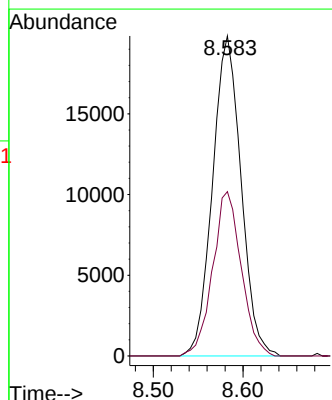
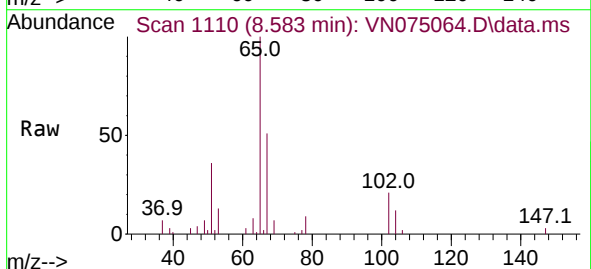
Acq: 28 Oct 2022 16:36

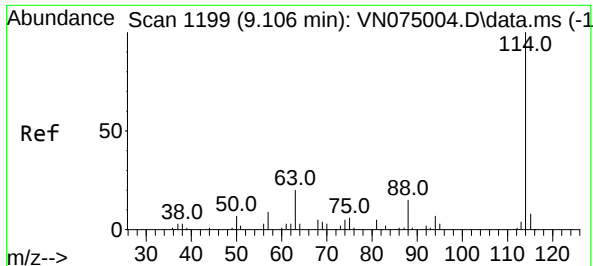
Tgt Ion: 65 Resp: 43700

Ion Ratio Lower Upper

65 100

67 51.5 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075064.D

Acq: 28 Oct 2022 16:36

Instrument :

MSVOA_N

ClientSampleId :

221026069-02-VOA

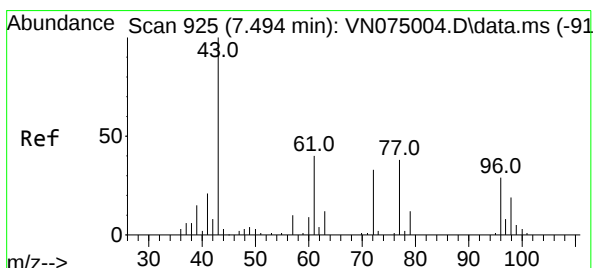
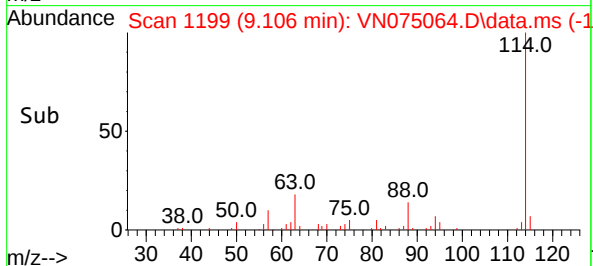
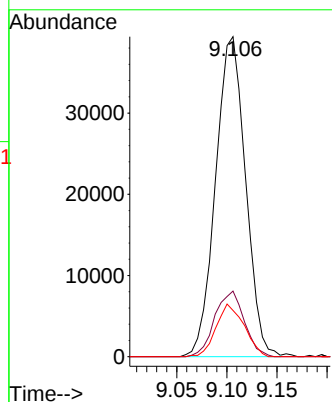
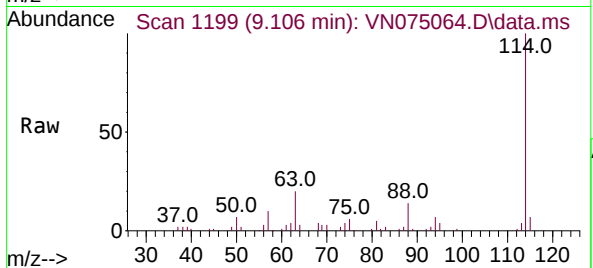
Tgt Ion:114 Resp: 81940

Ion Ratio Lower Upper

114 100

63 20.2 15.8 23.6

88 15.4 11.6 17.4



#30

2-Butanone

Concen: 381.281 ug/l

RT: 7.489 min Scan# 924

Delta R.T. -0.006 min

Lab File: VN075064.D

Acq: 28 Oct 2022 16:36

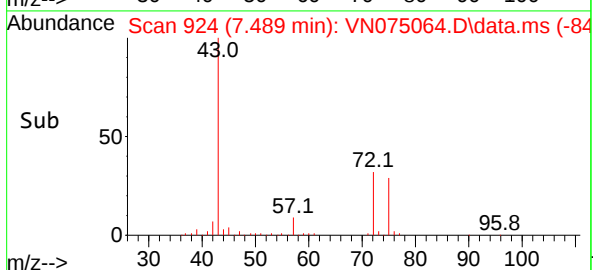
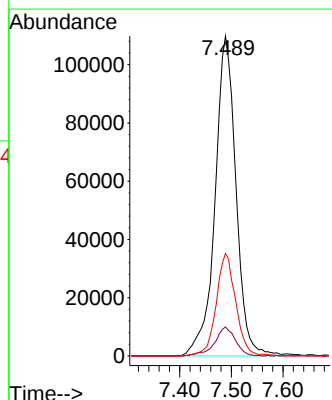
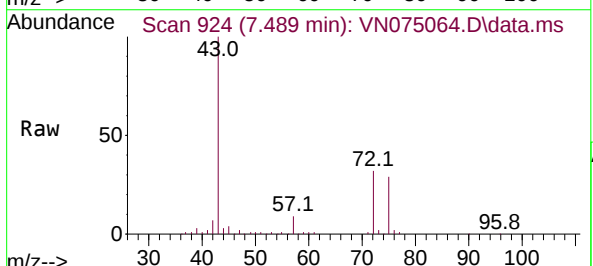
Tgt Ion: 43 Resp: 308921

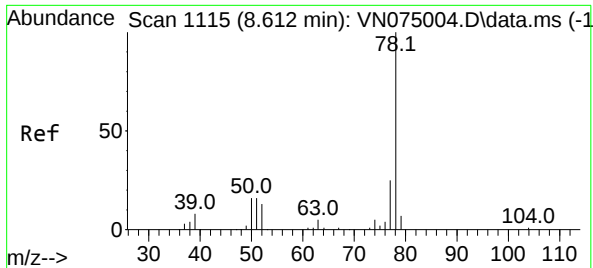
Ion Ratio Lower Upper

43 100

57 8.5 6.7 10.1

72 29.7 23.2 34.8

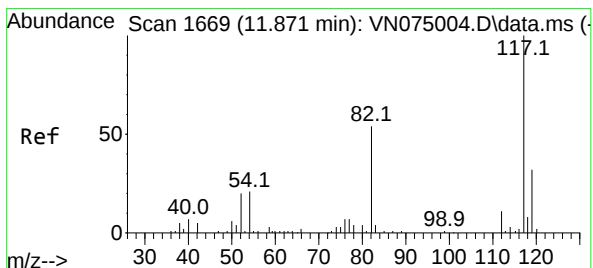
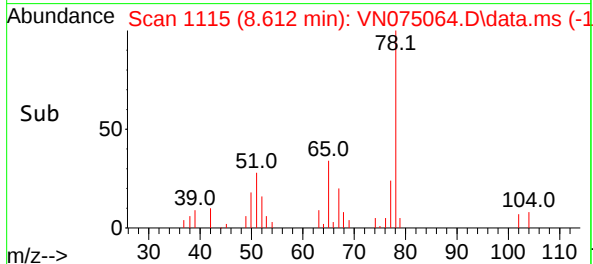
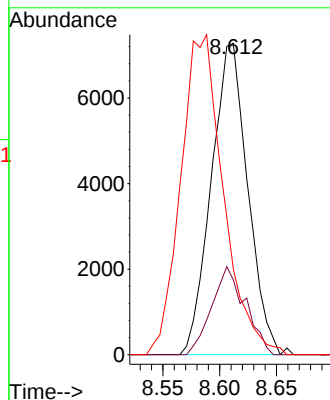
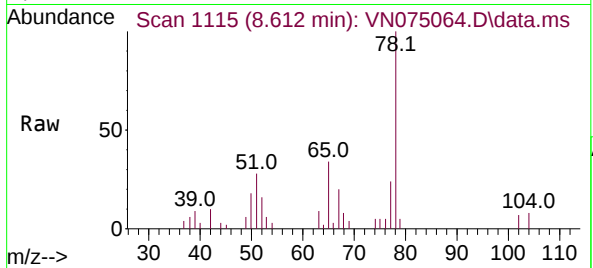




#34
Benzene
Concen: 3.778 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

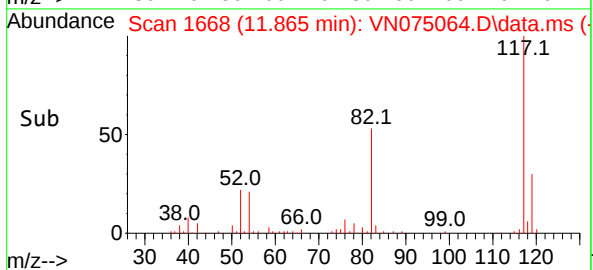
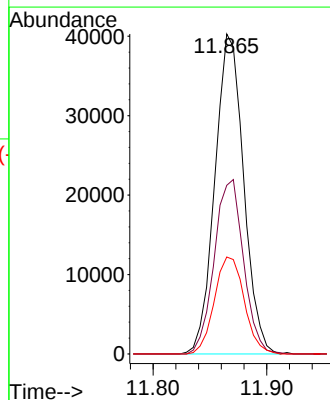
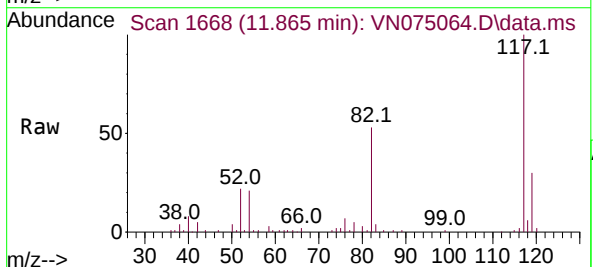
Instrument :
MSVOA_N
ClientSampleId :
221026069-02-VOA

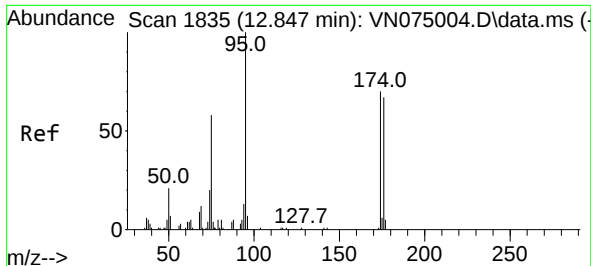
Tgt Ion: 78	Resp: 16234
Ion Ratio	Lower Upper
78 100	
77 24.1	19.1 28.7
51 25.3	16.0 24.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

Tgt Ion: 117	Resp: 70758
Ion Ratio	Lower Upper
117 100	
82 55.6	43.6 65.4
119 31.5	25.8 38.6

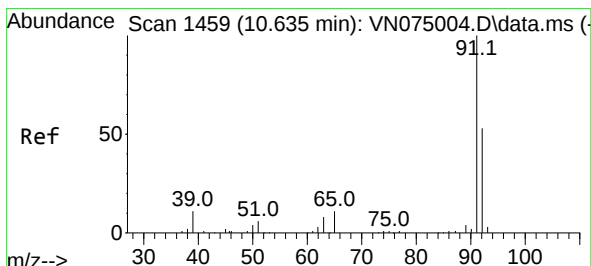
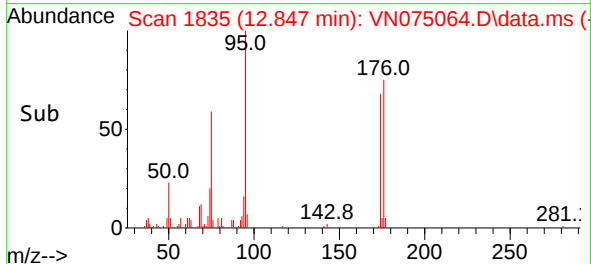
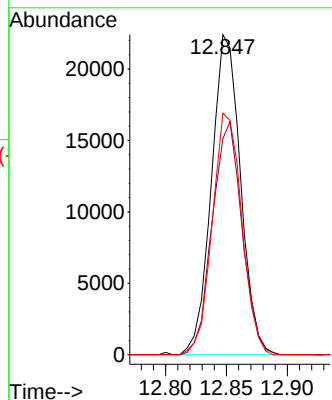
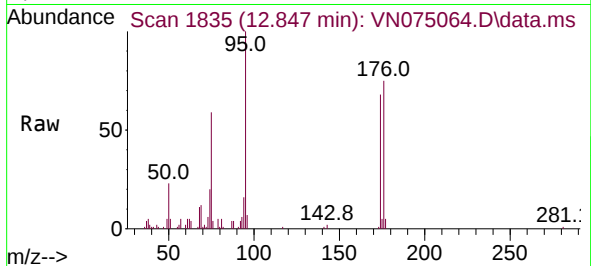




#60
4-Bromofluorobenzene
Concen: 26.777 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

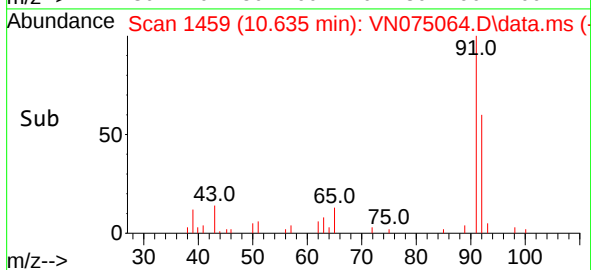
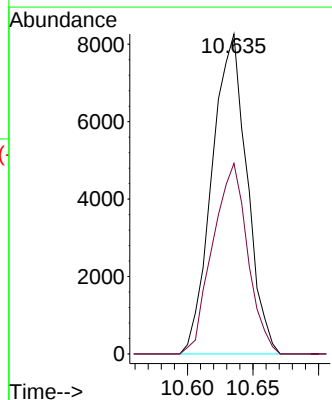
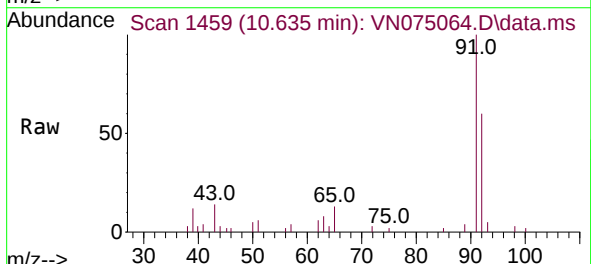
Instrument :
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ClientSampleId :
221026069-02-VOA

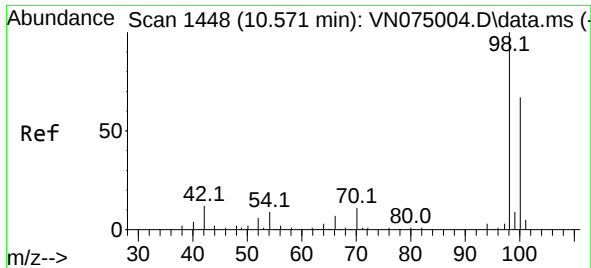
Tgt Ion: 95 Resp: 37228
Ion Ratio Lower Upper
95 100
174 74.6 62.9 94.3
176 76.3 61.0 91.4



#62
Toluene
Concen: 3.334 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

Tgt Ion: 91 Resp: 15273
Ion Ratio Lower Upper
91 100
92 59.6 44.6 67.0

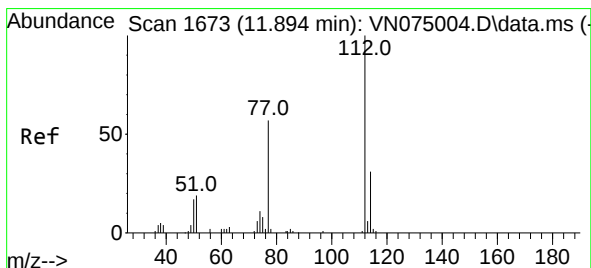
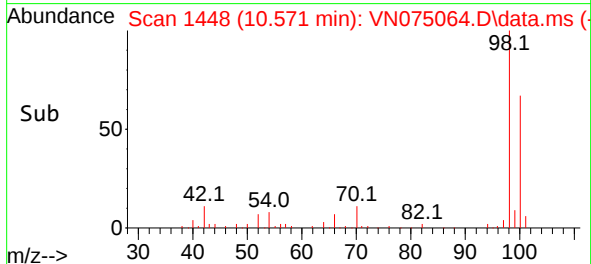
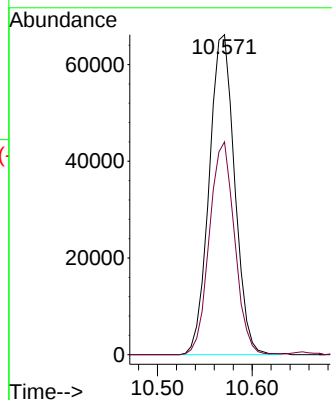
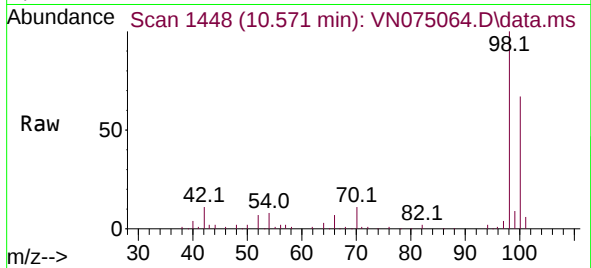




#63
Toluene-d8
Concen: 31.262 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

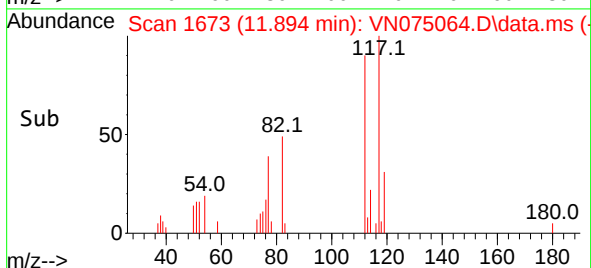
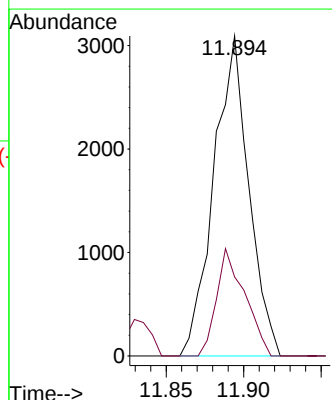
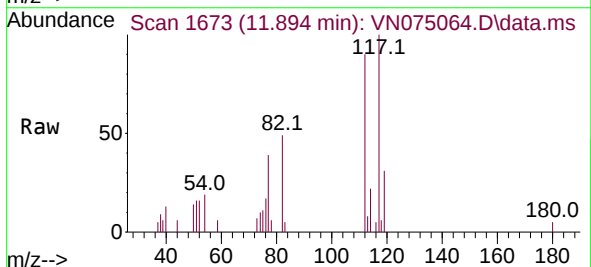
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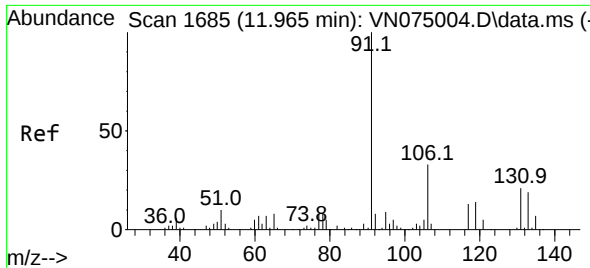
Tgt Ion: 98 Resp: 123719
Ion Ratio Lower Upper
98 100
100 65.6 50.6 76.0



#64
Chlorobenzene
Concen: 1.710 ug/l
RT: 11.894 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

Tgt Ion: 112 Resp: 4856
Ion Ratio Lower Upper
112 100
114 24.7 25.8 38.6#

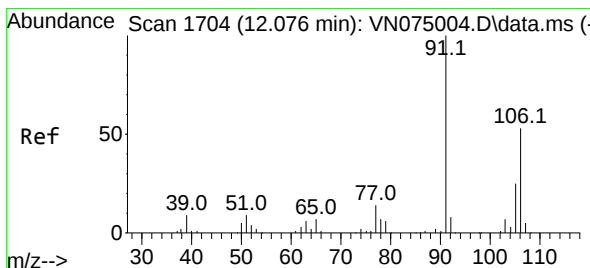
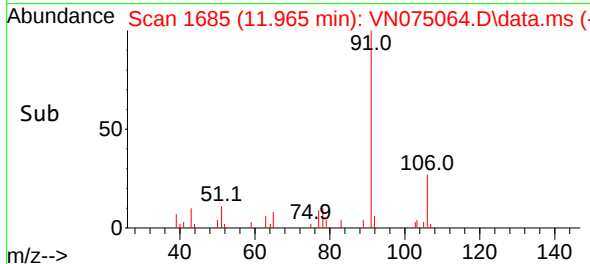
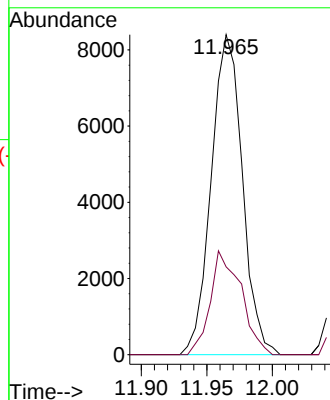
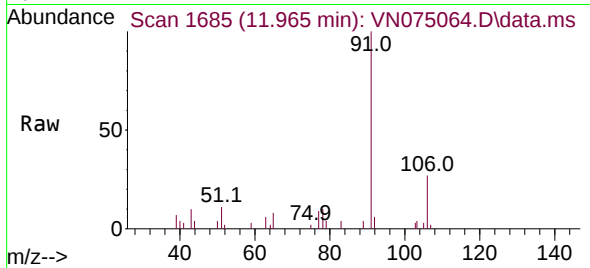




#66
Ethyl Benzene
Concen: 2.688 ug/l
RT: 11.965 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

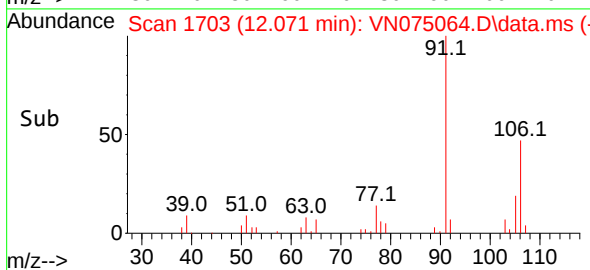
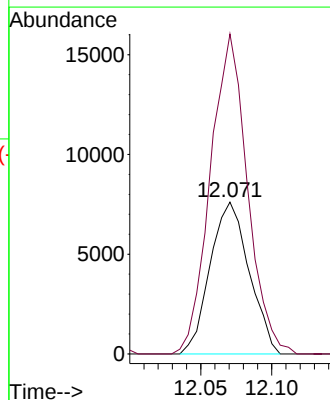
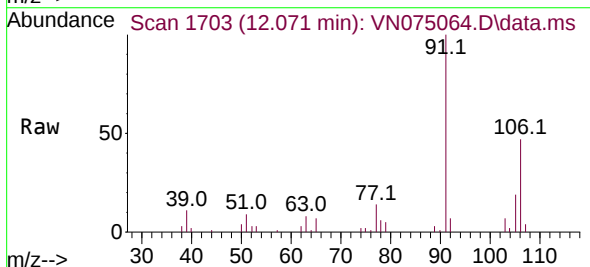
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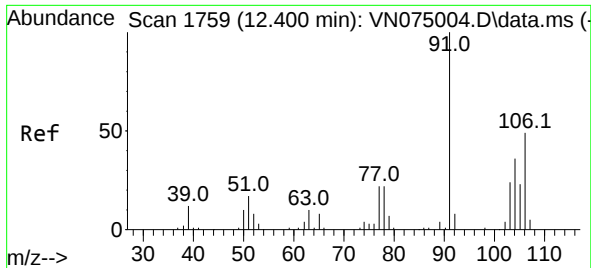
Tgt Ion: 91 Resp: 13876
Ion Ratio Lower Upper
91 100
106 27.4 24.0 36.0



#67
m/p-Xylenes
Concen: 7.024 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

Tgt Ion: 106 Resp: 14545
Ion Ratio Lower Upper
106 100
91 200.2 162.9 244.3

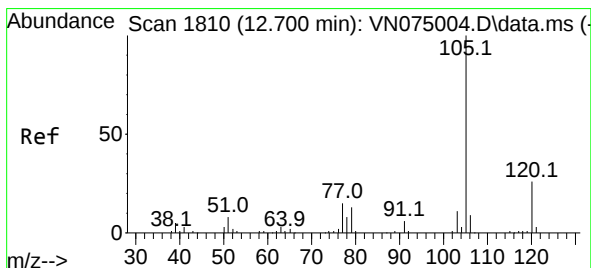
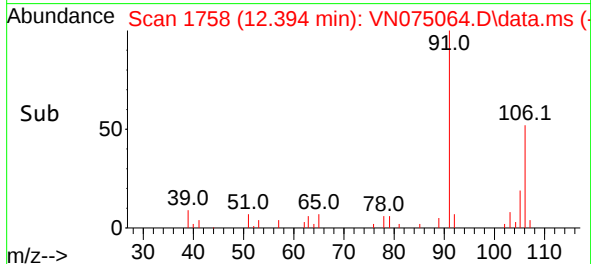
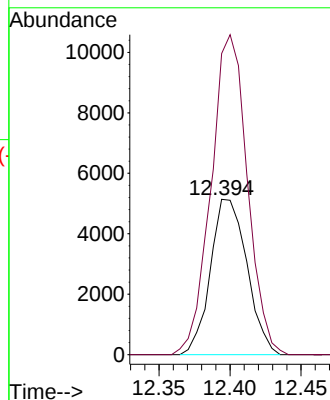
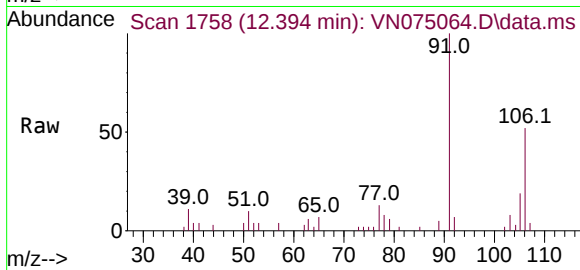




#68
o-Xylene
Concen: 4.419 ug/l
RT: 12.394 min Scan# 1758
Delta R.T. -0.006 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

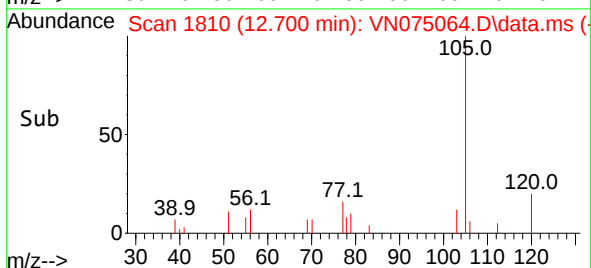
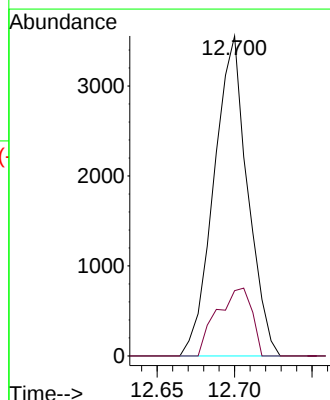
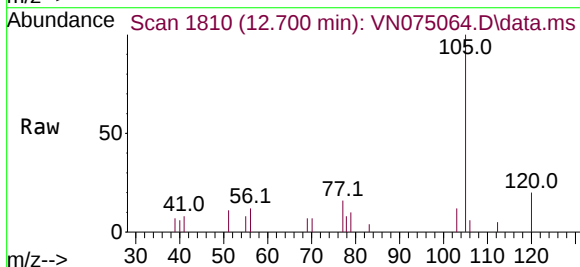
Instrument :
MSVOA_N
ClientSampleId :
221026069-02-VOA

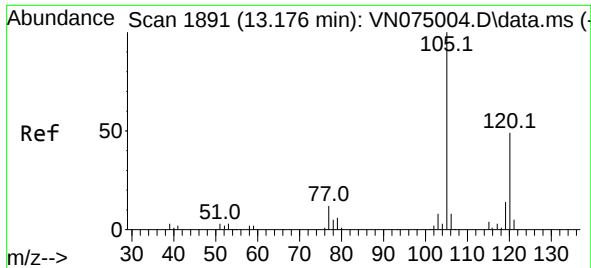
Tgt Ion:106 Resp: 9198
Ion Ratio Lower Upper
106 100
91 204.8 107.7 323.1



#70
Isopropylbenzene
Concen: 0.988 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

Tgt Ion:105 Resp: 5356
Ion Ratio Lower Upper
105 100
120 21.9 18.3 34.1

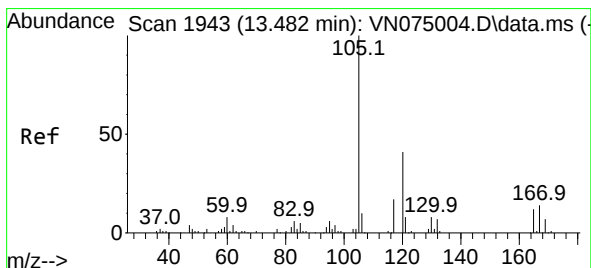
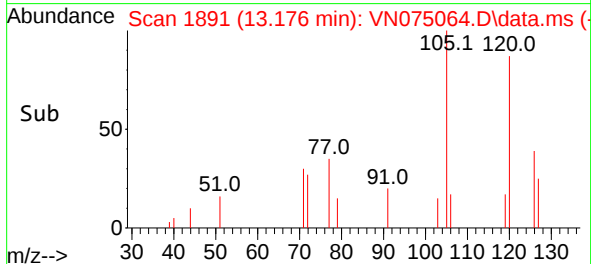
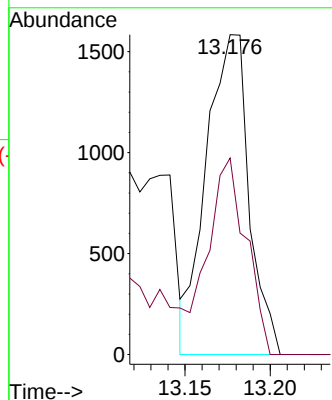
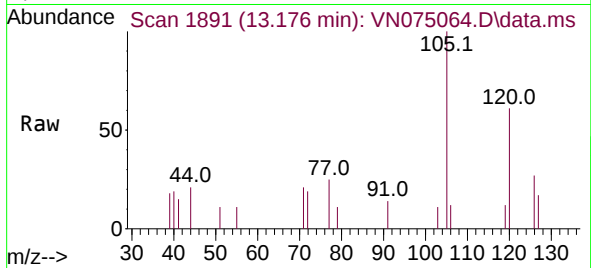




#76
 1,3,5-Trimethylbenzene
 Concen: 0.602 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. 0.000 min
 Lab File: VN075064.D
 Acq: 28 Oct 2022 16:36

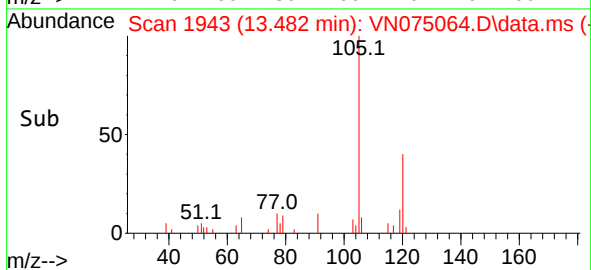
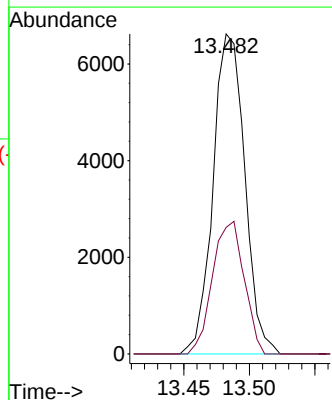
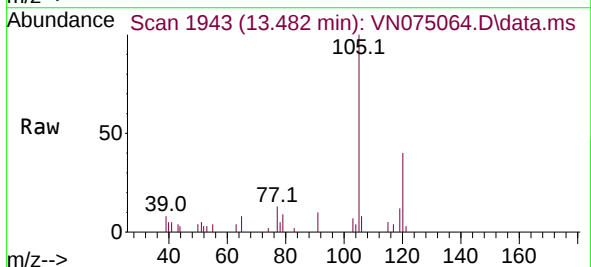
Instrument :
 MSVOA_N
 ClientSampleId :
 221026069-02-VOA

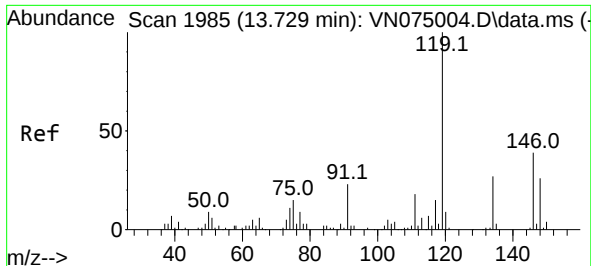
Tgt Ion:105 Resp: 2766
 Ion Ratio Lower Upper
 105 100
 120 53.1 0.0 93.8



#80
 1,2,4-Trimethylbenzene
 Concen: 2.383 ug/l
 RT: 13.482 min Scan# 1943
 Delta R.T. 0.000 min
 Lab File: VN075064.D
 Acq: 28 Oct 2022 16:36

Tgt Ion:105 Resp: 11135
 Ion Ratio Lower Upper
 105 100
 120 41.2 0.0 0.2#

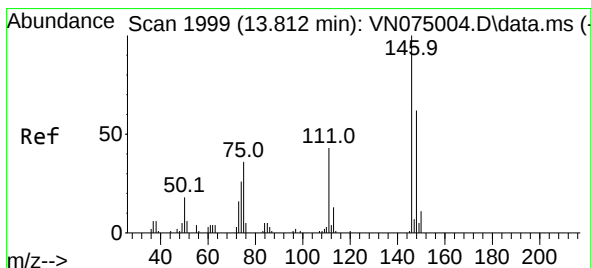
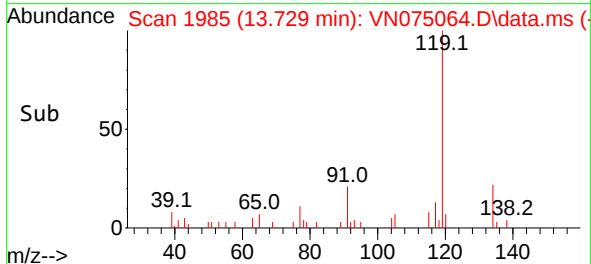
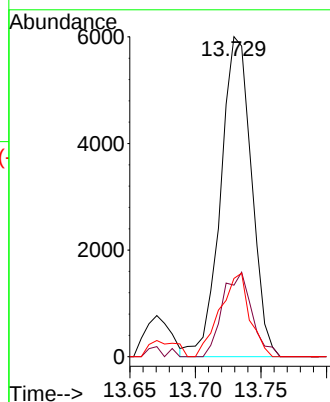
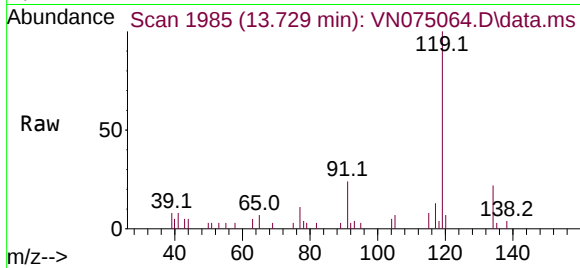




#82
p-Isopropyltoluene
Concen: 2.018 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

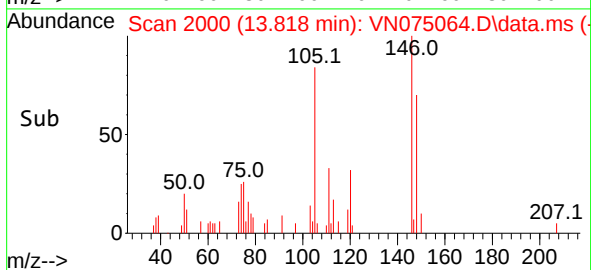
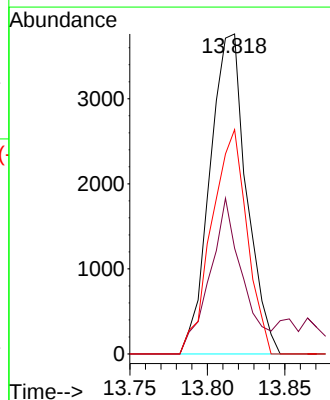
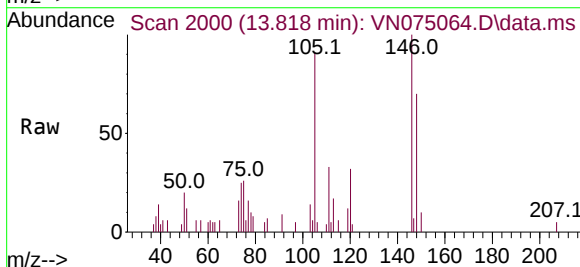
Instrument :
MSVOA_N
ClientSampleId :
221026069-02-VOA

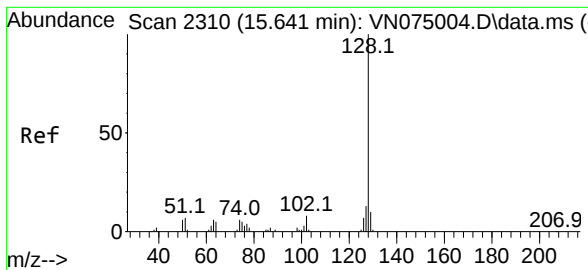
Tgt Ion:	119	Resp:	9815
Ion Ratio	Lower	Upper	
119	100		
134	25.2	0.0	51.8
91	25.1	0.0	50.4



#84
1,4-Dichlorobenzene
Concen: 2.686 ug/l
RT: 13.818 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

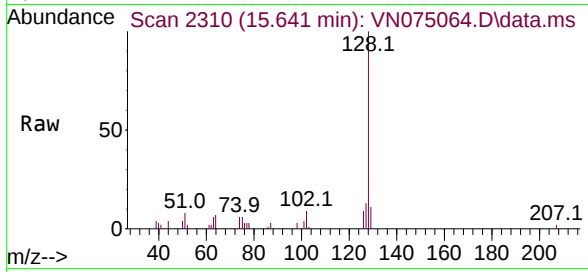
Tgt Ion:	146	Resp:	6186
Ion Ratio	Lower	Upper	
146	100		
111	44.0	19.5	58.5
148	67.7	31.1	93.5





#91
Naphthalene
Concen: 5.716 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN075064.D
Acq: 28 Oct 2022 16:36

Instrument :
MSVOA_N
ClientSampleId :
221026069-02-VOA



Tgt Ion:128 Resp: 23627
Ion Ratio Lower Upper
128 100
127 14.1 10.7 16.1
129 11.4 9.0 13.6

