

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075058.D
 Acq On : 28 Oct 2022 14:12
 Operator : JC\MD
 Sample : N5315-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 221026039-02-VOA

Quant Time: Oct 31 01:50:34 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)

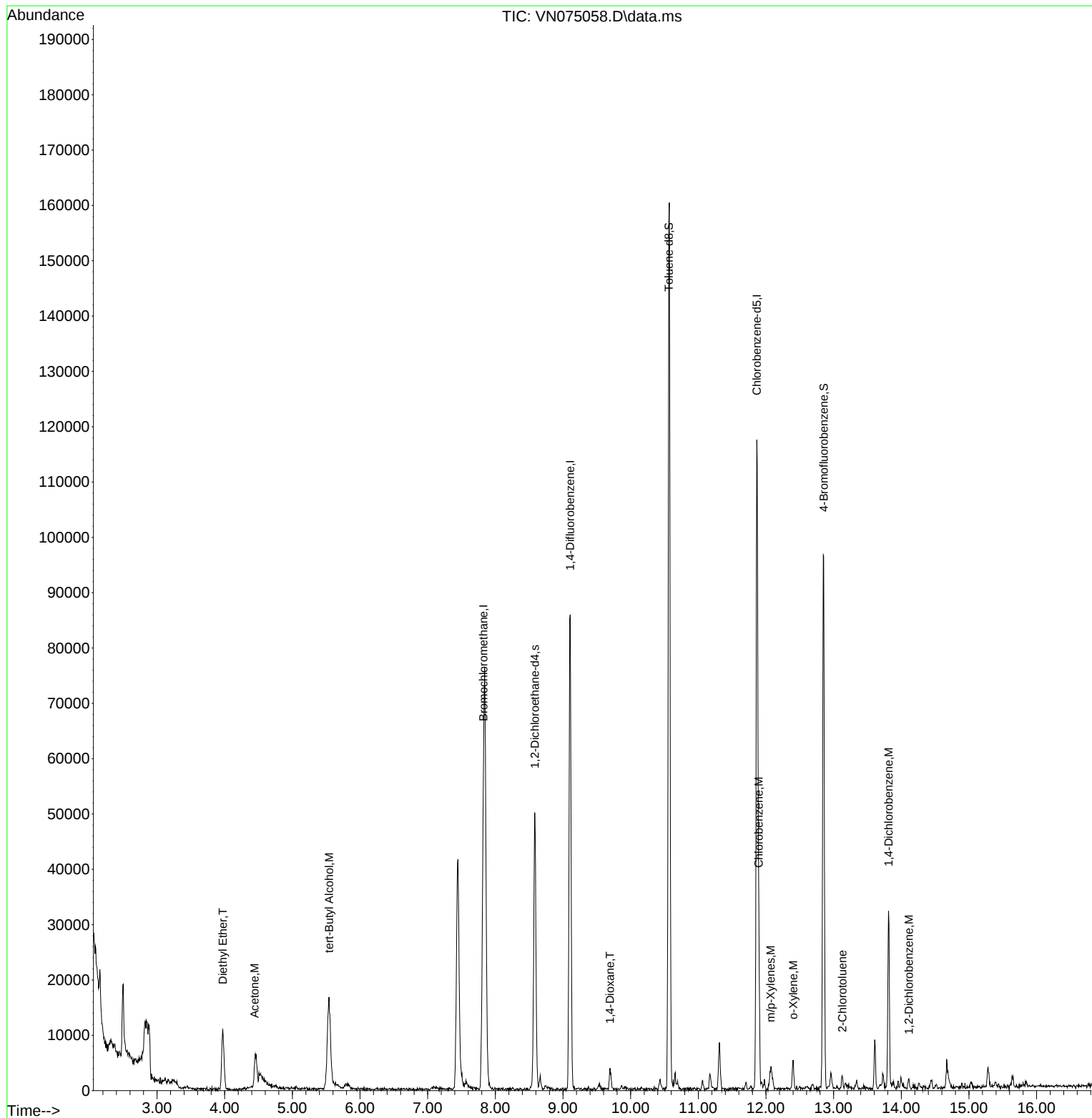
Internal Standards						
1) Bromochloromethane	7.824	128	13321	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	76709	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	64863	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	40786	33.486	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.633%#
60) 4-Bromofluorobenzene	12.853	95	33134	25.999	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.667%
63) Toluene-d8	10.565	98	112343	30.967	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.233%
Target Compounds						
						Qvalue
8) Diethyl Ether	3.971	74	6662	11.673	ug/l	90
15) Acetone	4.442	58	1239	8.303	ug/l #	1
23) tert-Butyl Alcohol	5.542	59	30600	123.758	ug/l #	100
45) 1,4-Dioxane	9.694	88	2936	99.204	ug/l #	70
64) Chlorobenzene	11.894	112	13641	5.242	ug/l	93
67) m/p-Xylenes	12.071	106	1517	0.799	ug/l	84
68) o-Xylene	12.406	106	1628	0.853	ug/l	93
75) 2-Chlorotoluene	13.129	91	1840	0.543	ug/l	92
84) 1,4-Dichlorobenzene	13.812	146	12999	6.157	ug/l	99
87) 1,2-Dichlorobenzene	14.112	146	959	0.443	ug/l	78

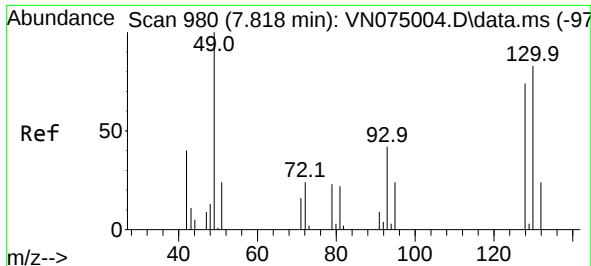
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 27 10:19:47 2022
Response via : Initial Calibration

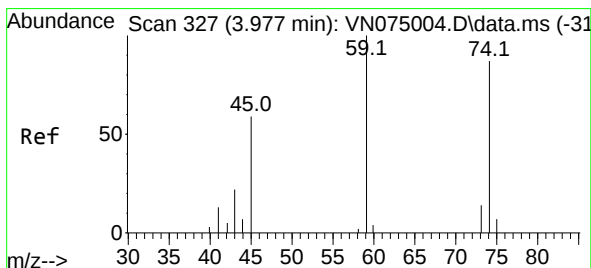
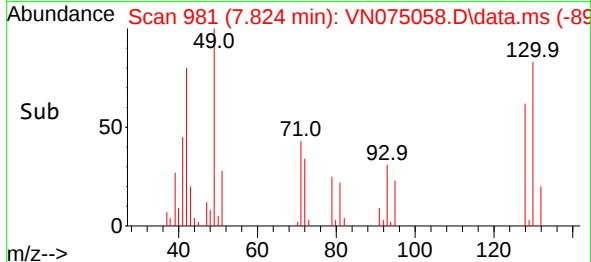
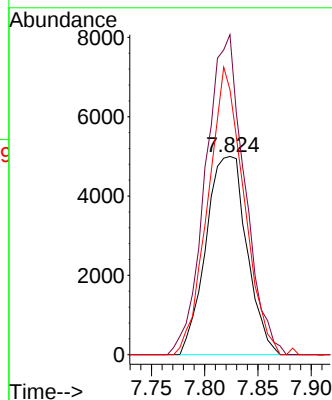
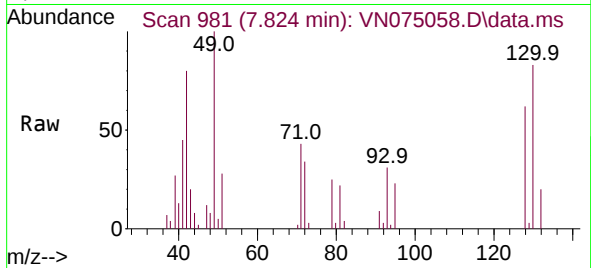




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

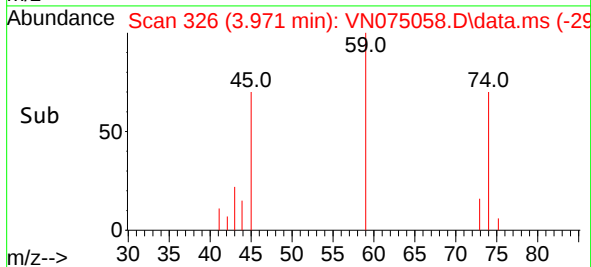
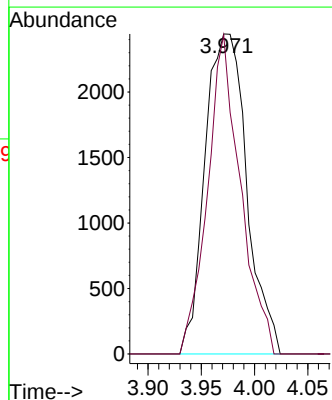
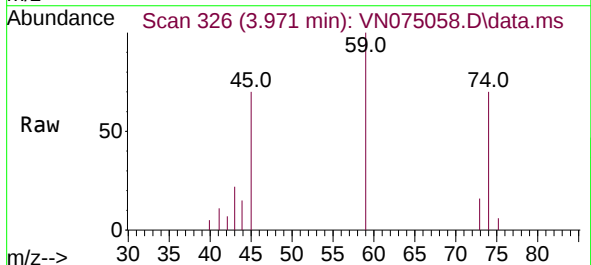
Instrument :
MSVOA_N
ClientSampleId :
221026039-02-VOA

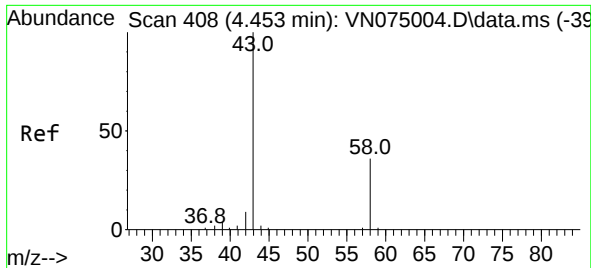
Tgt Ion:128 Resp: 13321
Ion Ratio Lower Upper
128 100
49 154.6 0.0 392.3
130 127.7 0.0 320.2



#8
Diethyl Ether
Concen: 11.673 ug/l
RT: 3.971 min Scan# 326
Delta R.T. -0.006 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

Tgt Ion: 74 Resp: 6662
Ion Ratio Lower Upper
74 100
45 78.6 17.6 158.8





#15

Acetone

Concen: 8.303 ug/l

RT: 4.442 min Scan# 406

Delta R.T. -0.012 min

Lab File: VN075058.D

Acq: 28 Oct 2022 14:12

Instrument :

MSVOA_N

ClientSampleId :

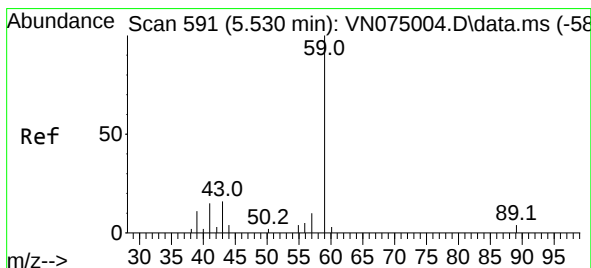
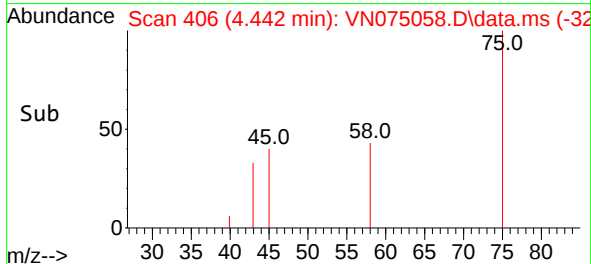
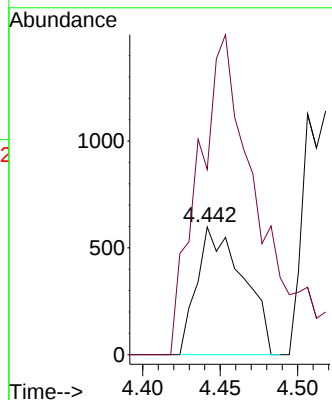
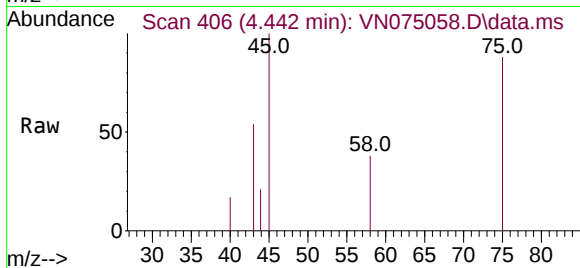
221026039-02-VOA

Tgt Ion: 58 Resp: 1239

Ion Ratio Lower Upper

58 100

43 84.8 256.6 384.8#



#23

tert-Butyl Alcohol

Concen: 123.758 ug/l

RT: 5.542 min Scan# 593

Delta R.T. 0.012 min

Lab File: VN075058.D

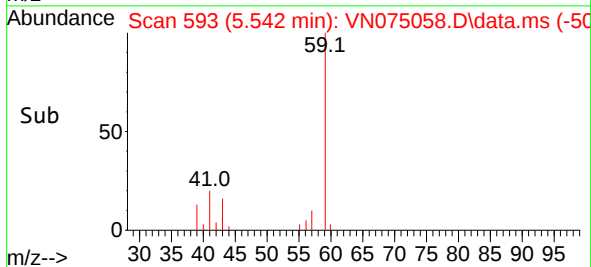
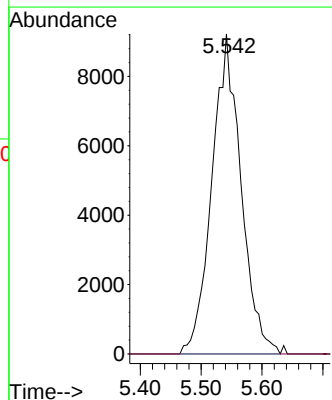
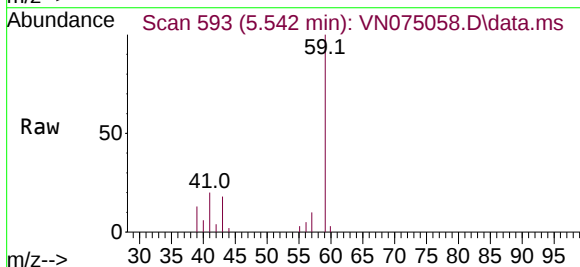
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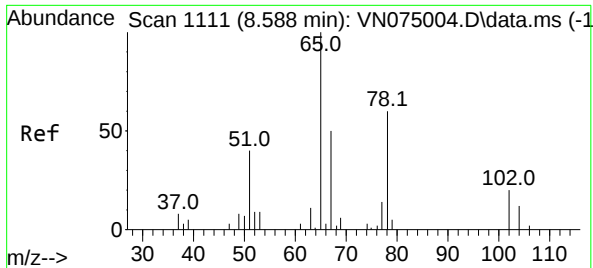
Tgt Ion: 59 Resp: 30600

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

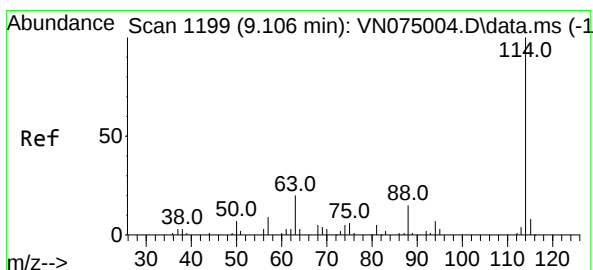
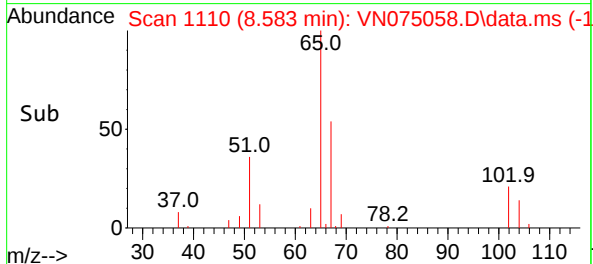
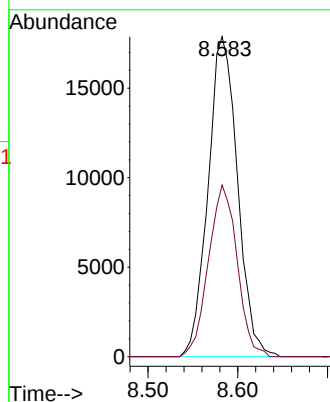
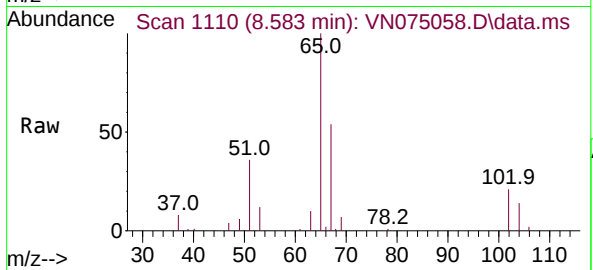




#27
1,2-Dichloroethane-d4
Concen: 33.486 ug/l
RT: 8.583 min Scan# 1111
Delta R.T. -0.006 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

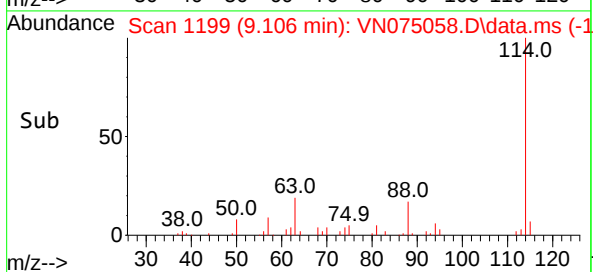
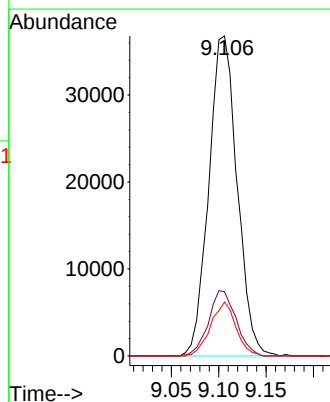
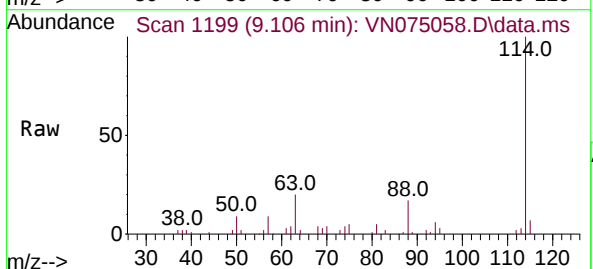
Instrument :
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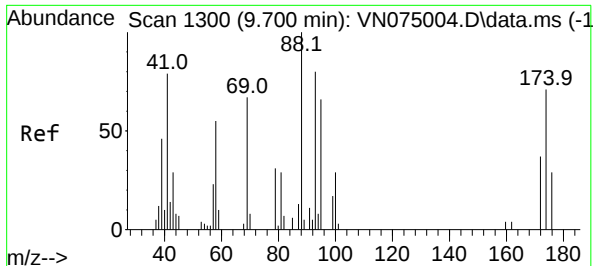
Tgt Ion: 65 Resp: 40786
Ion Ratio Lower Upper
65 100
67 52.2 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

Tgt Ion: 114 Resp: 76709
Ion Ratio Lower Upper
114 100
63 19.8 15.8 23.6
88 15.2 11.6 17.4

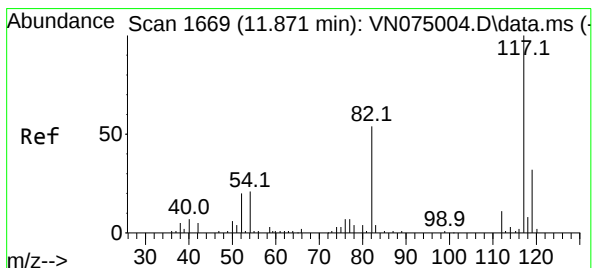
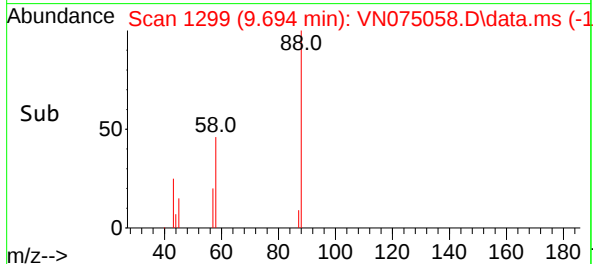
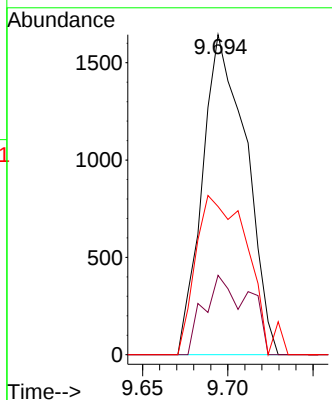
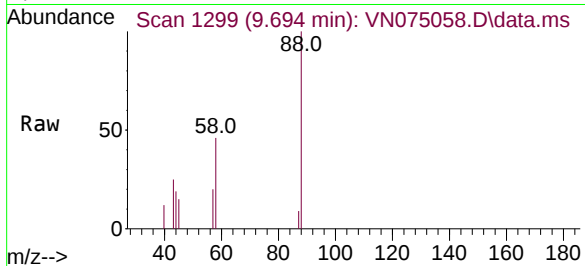




#45
1,4-Dioxane
Concen: 99.204 ug/l
RT: 9.694 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

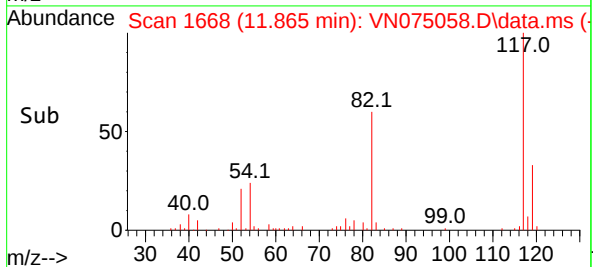
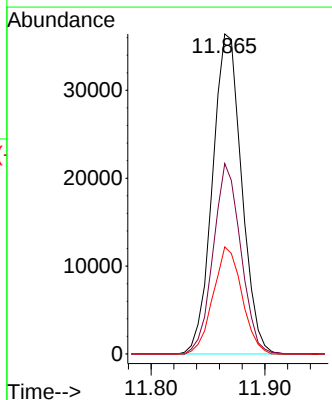
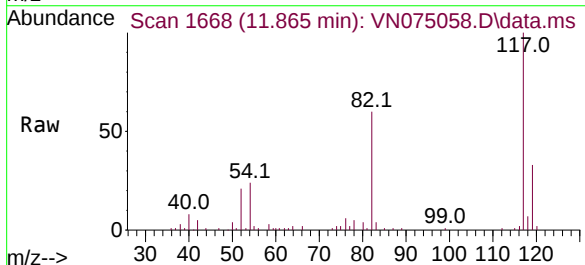
Instrument :
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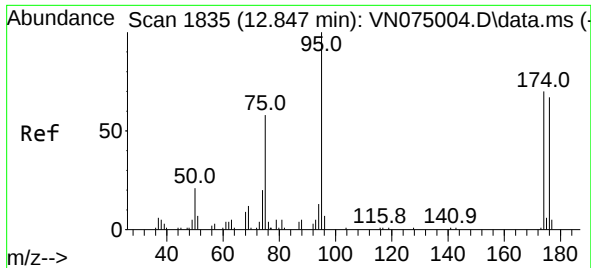
Tgt Ion: 88 Resp: 2936
Ion Ratio Lower Upper
88 100
43 17.5 25.0 37.6#
58 37.3 49.4 74.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

Tgt Ion: 117 Resp: 64863
Ion Ratio Lower Upper
117 100
82 56.5 43.6 65.4
119 33.1 25.8 38.6

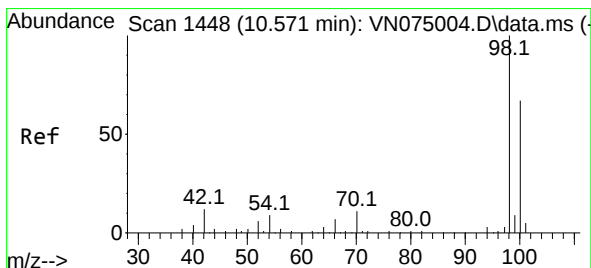
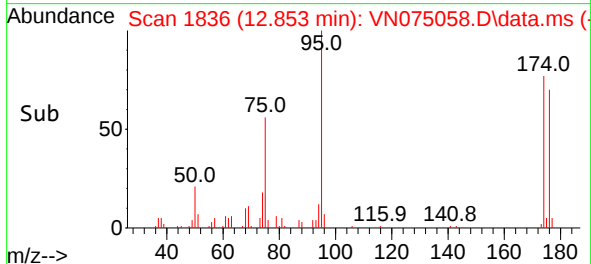
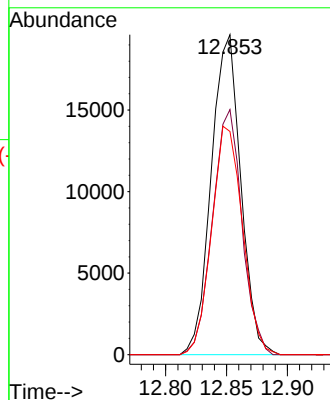
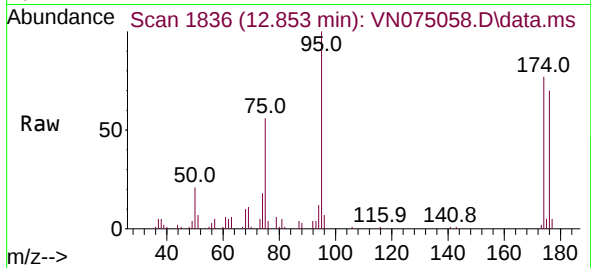




#60
4-Bromofluorobenzene
Concen: 25.999 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

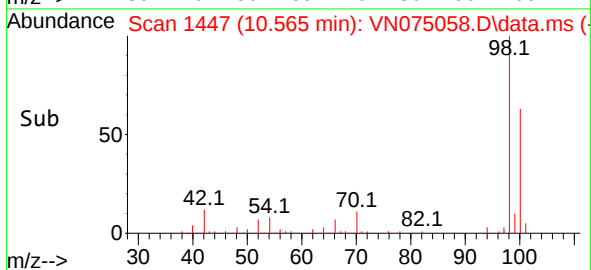
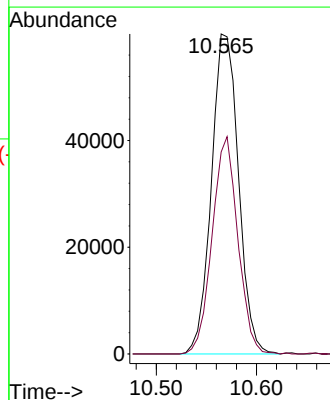
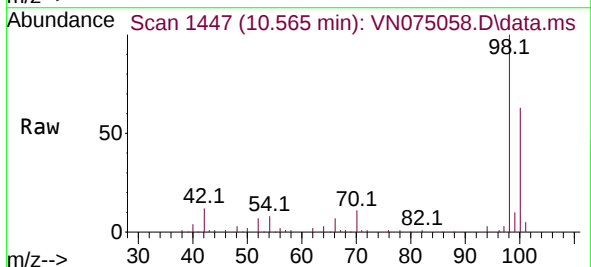
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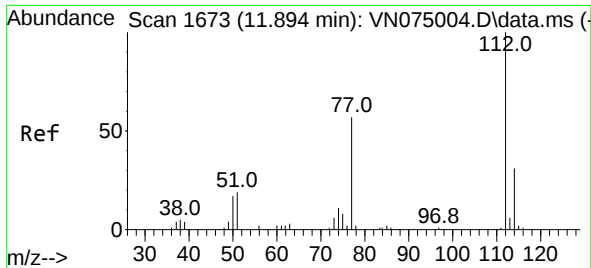
Tgt Ion: 95 Resp: 33134
Ion Ratio Lower Upper
95 100
174 76.5 62.9 94.3
176 74.6 61.0 91.4



#63
Toluene-d8
Concen: 30.967 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

Tgt Ion: 98 Resp: 112343
Ion Ratio Lower Upper
98 100
100 64.4 50.6 76.0

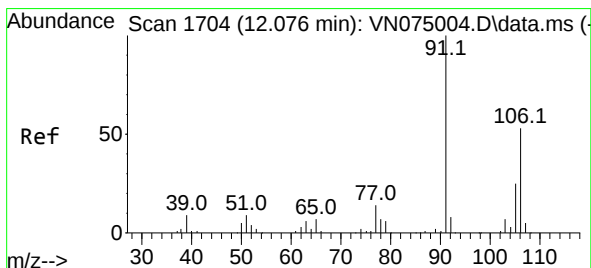
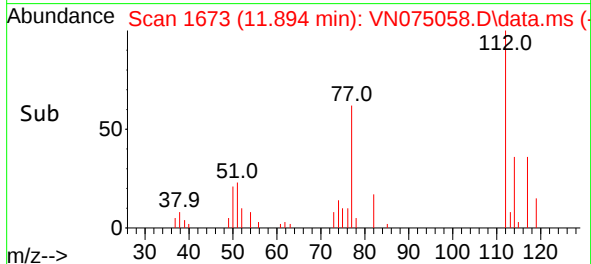
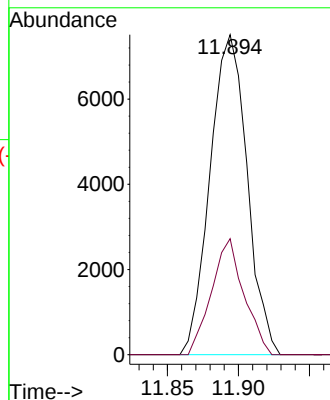
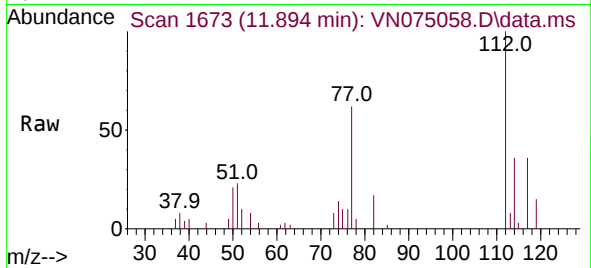




#64
Chlorobenzene
Concen: 5.242 ug/l
RT: 11.894 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

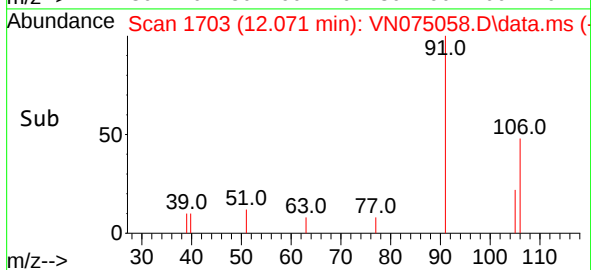
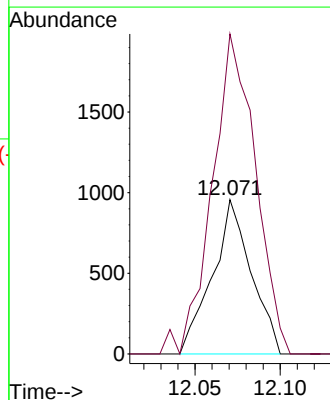
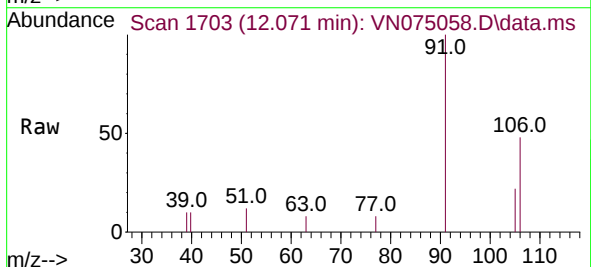
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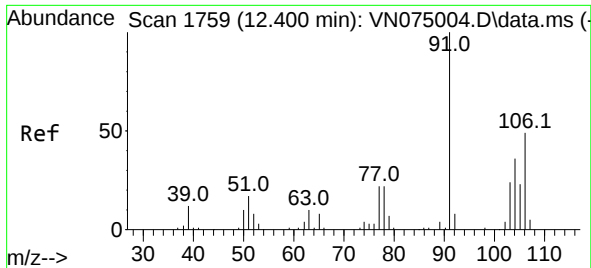
Tgt Ion:112 Resp: 13641
Ion Ratio Lower Upper
112 100
114 36.2 25.8 38.6



#67
m/p-Xylenes
Concen: 0.799 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

Tgt Ion:106 Resp: 1517
Ion Ratio Lower Upper
106 100
91 228.1 162.9 244.3

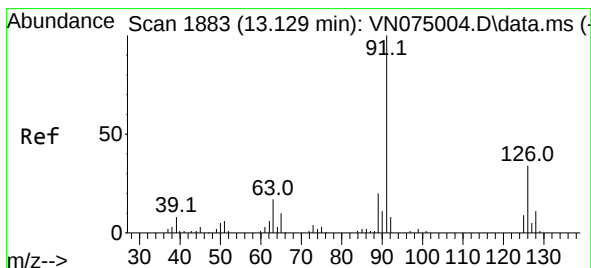
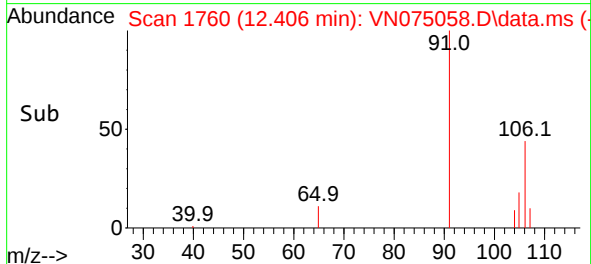
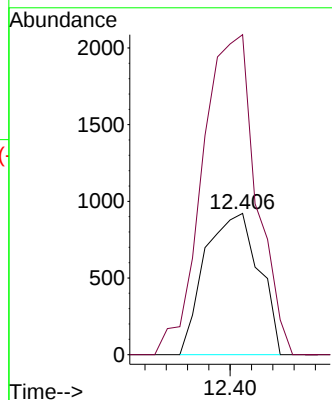
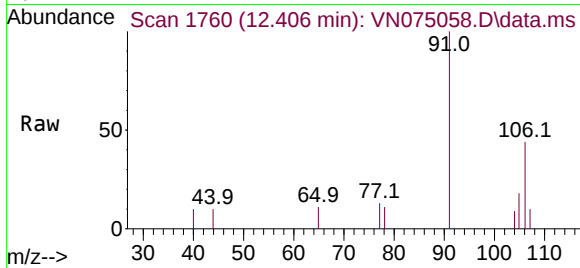




#68
o-Xylene
Concen: 0.853 ug/l
RT: 12.406 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

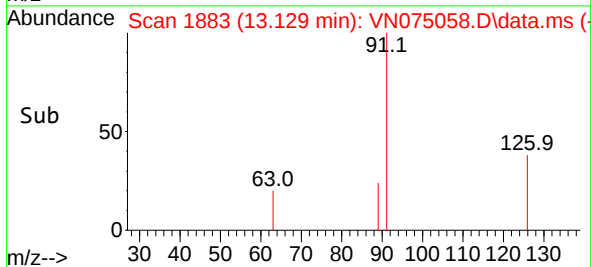
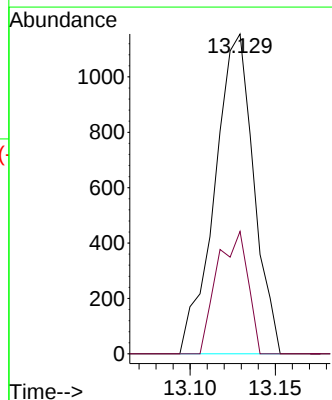
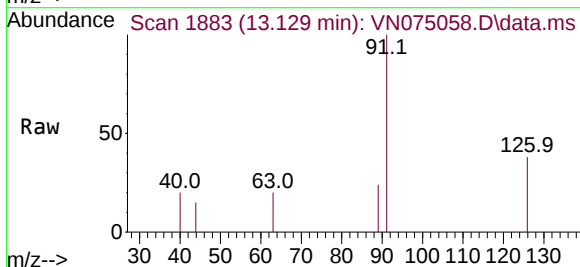
Instrument :
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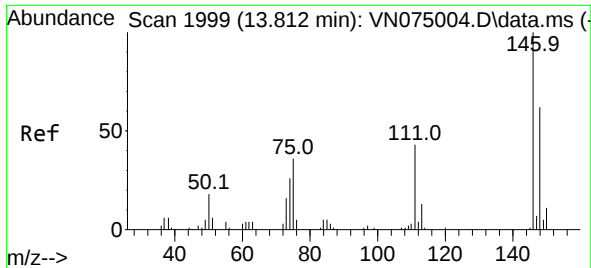
Tgt Ion:106 Resp: 1628
Ion Ratio Lower Upper
106 100
91 226.1 107.7 323.1



#75
2-Chlorotoluene
Concen: 0.543 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

Tgt Ion: 91 Resp: 1840
Ion Ratio Lower Upper
91 100
126 30.2 0.0 69.8

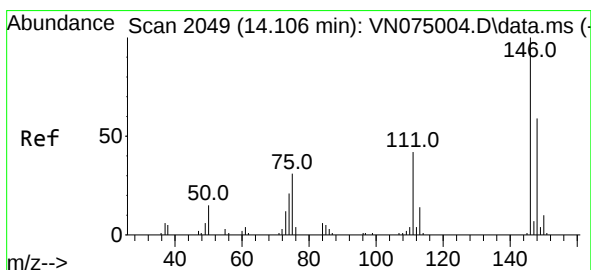
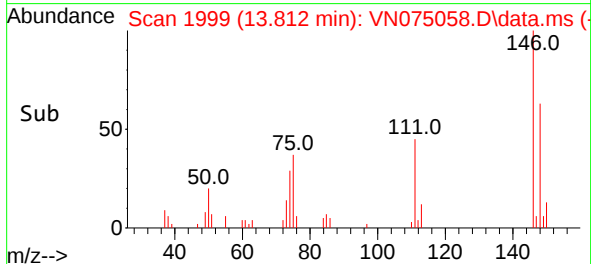
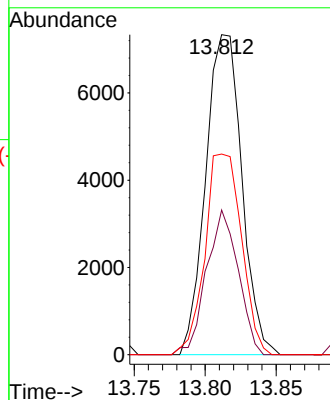
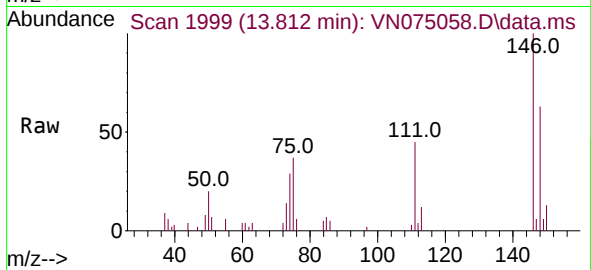




#84
1,4-Dichlorobenzene
Concen: 6.157 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

Instrument :
MSVOA_N
ClientSampleId :
221026039-02-VOA

Tgt Ion:146	Resp:	12999
Ion Ratio	Lower	Upper
146	100	
111	39.8	19.5 58.5
148	63.3	31.1 93.5



#87
1,2-Dichlorobenzene
Concen: 0.443 ug/l
RT: 14.112 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VN075058.D
Acq: 28 Oct 2022 14:12

Tgt Ion:146	Resp:	959
Ion Ratio	Lower	Upper
146	100	
111	30.2	21.4 64.2
148	46.9	32.5 97.4

