

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092722\
 Data File : VN074635.D
 Acq On : 27 Sep 2022 18:29
 Operator : JC\MD
 Sample : N4742-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 28 08:06:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 28 07:48:31 2022
 Response via : Initial Calibration

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

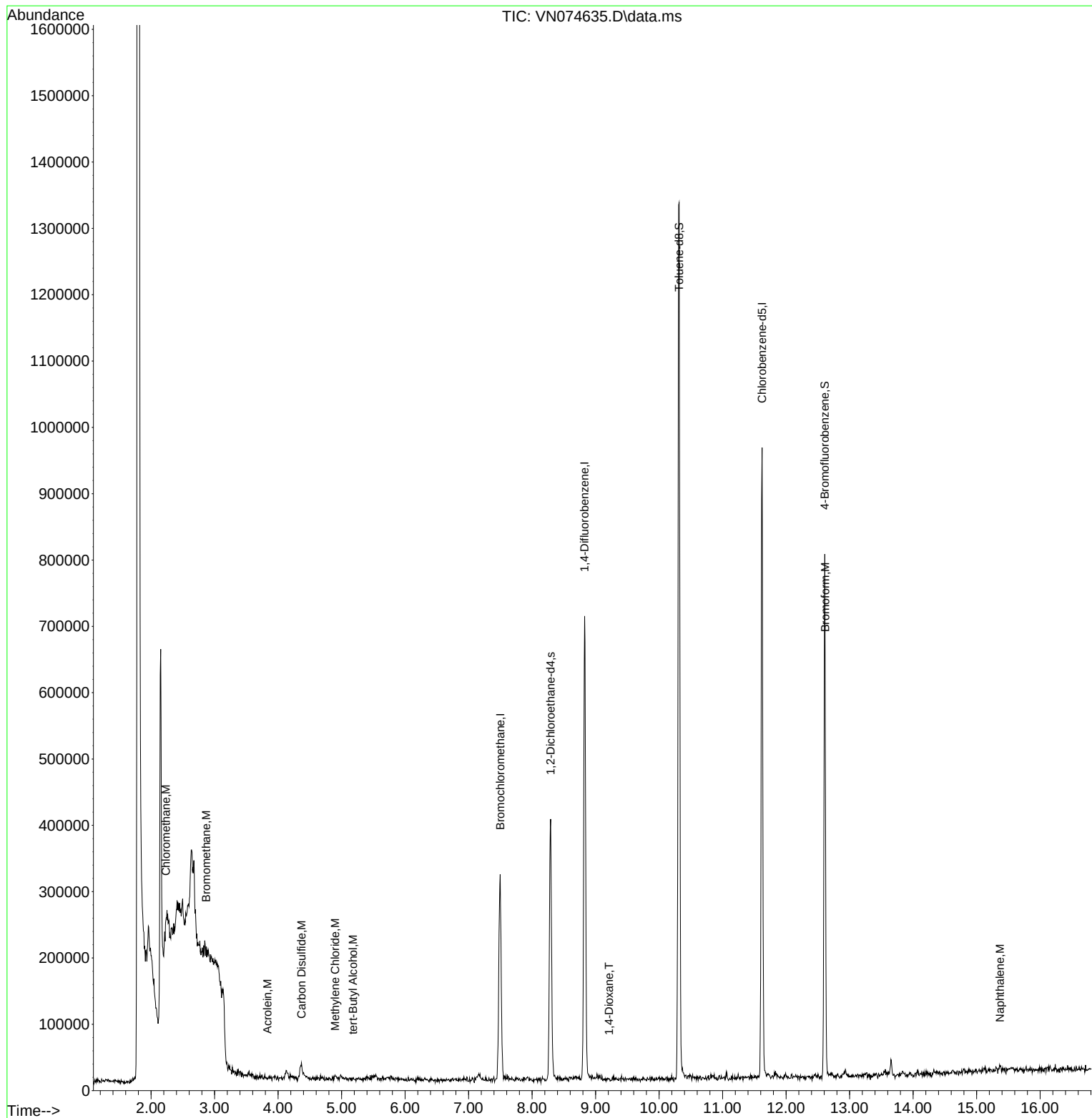
Internal Standards						
1) Bromochloromethane	7.498	128	96705	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.828	114	608170	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.622	117	505884	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.292	65	300245	32.928	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.767%
60) 4-Bromofluorobenzene	12.610	95	244892	24.921	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.067%
63) Toluene-d8	10.316	98	909251	31.865	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.234	50	2701	0.324	ug/l	97
5) Bromomethane	2.869	94	1513	0.220	ug/l	90
13) Acrolein	3.834	56	236	0.206	ug/l	93
16) Carbon Disulfide	4.369	76	44947	2.438	ug/l #	88
18) Methylene Chloride	4.898	84	1807	0.216	ug/l #	22
23) tert-Butyl Alcohol	5.181	59	1219	0.520	ug/l #	100
45) 1,4-Dioxane	9.210	88	139	0.598	ug/l #	31
56) Bromoform	12.616	173	2317	0.300	ug/l #	1
91) Naphthalene	15.368	128	6093	0.201	ug/l	97

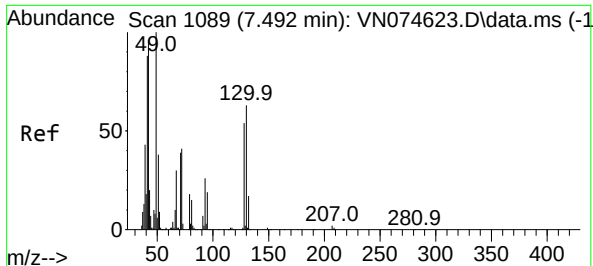
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN074635.D
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
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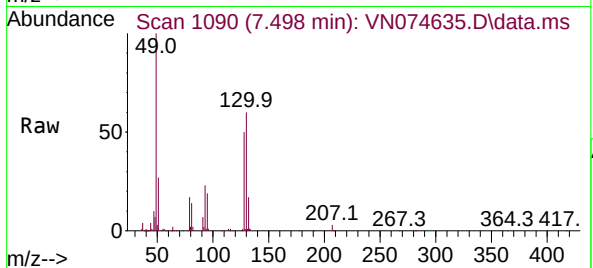
Quant Time: Sep 28 08:06:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 28 07:48:31 2022
Response via : Initial Calibration



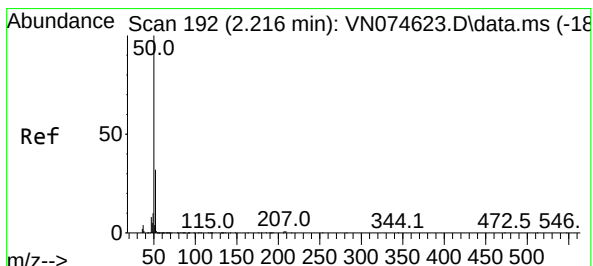
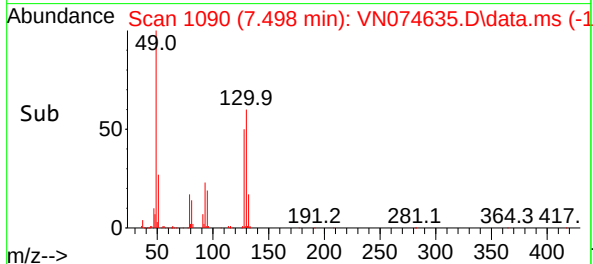
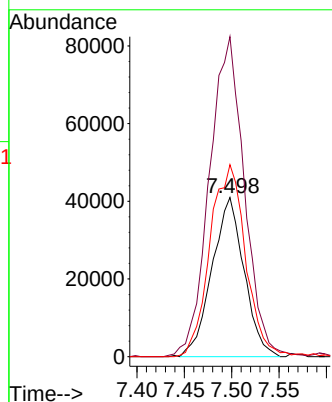


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.498 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

Instrument :
MSVOA_N
ClientSampleId :

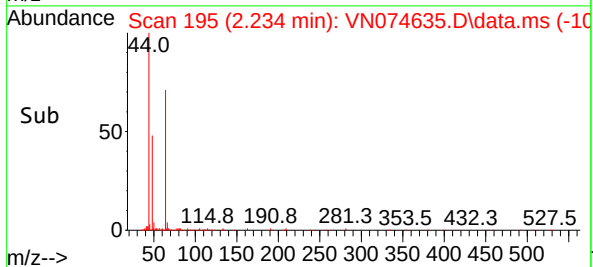
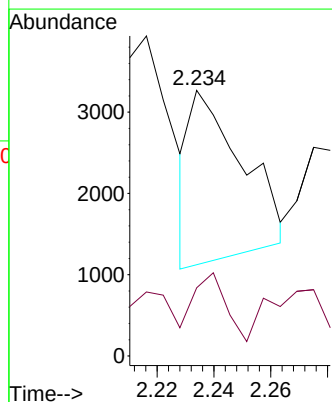
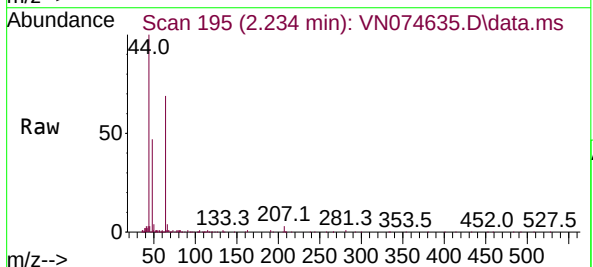


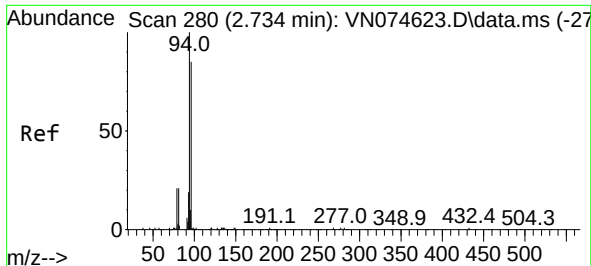
Tgt Ion:128 Resp: 96705
Ion Ratio Lower Upper
128 100
49 219.3 0.0 492.0
130 133.6 0.0 313.3



#3
Chloromethane
Concen: 0.324 ug/l
RT: 2.234 min Scan# 195
Delta R.T. 0.018 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

Tgt Ion: 50 Resp: 2701
Ion Ratio Lower Upper
50 100
52 30.3 25.5 38.3

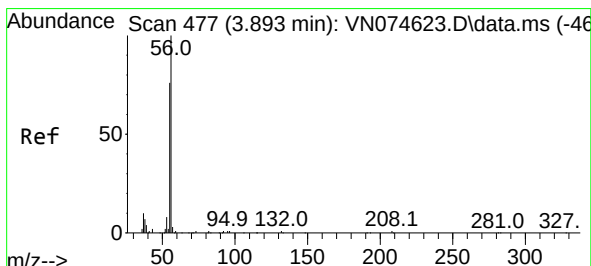
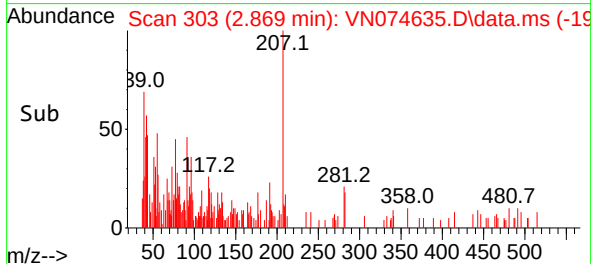
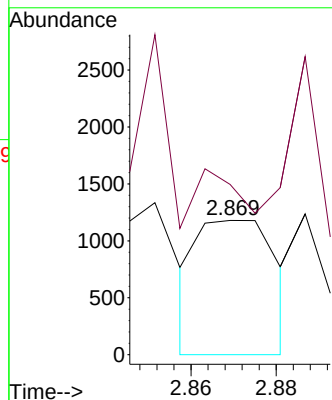
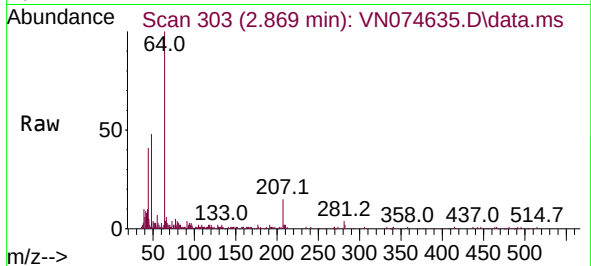




#5
Bromomethane
Concen: 0.220 ug/l
RT: 2.869 min Scan# 30
Delta R.T. 0.135 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

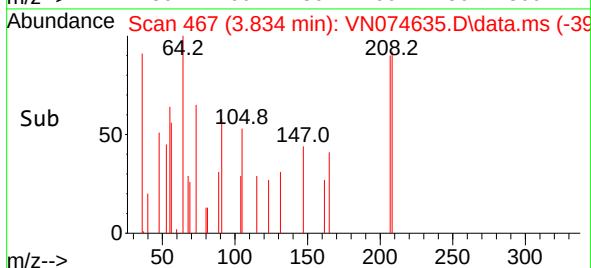
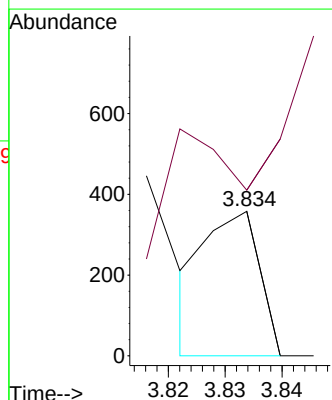
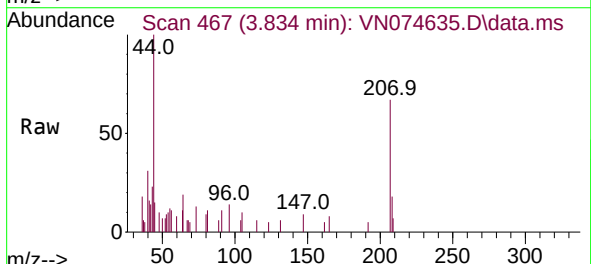
Instrument :
MSVOA_N
ClientSampleId :

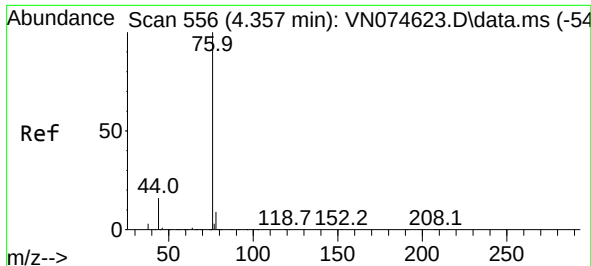
Tgt Ion: 94 Resp: 1513
Ion Ratio Lower Upper
94 100
96 94.9 68.3 102.5



#13
Acrolein
Concen: 0.206 ug/l
RT: 3.834 min Scan# 467
Delta R.T. -0.059 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

Tgt Ion: 56 Resp: 236
Ion Ratio Lower Upper
56 100
55 76.3 56.2 84.2

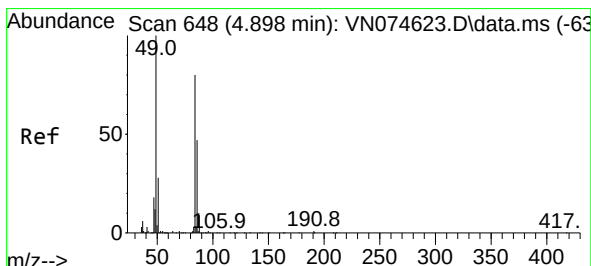
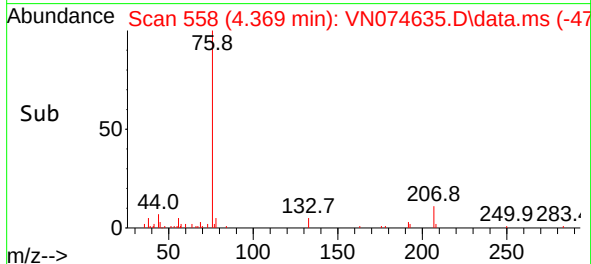
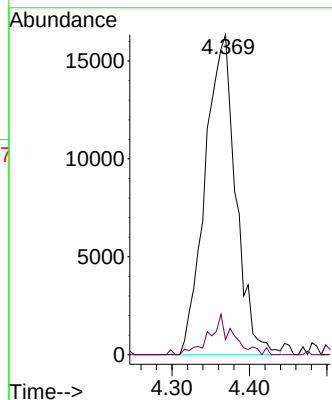
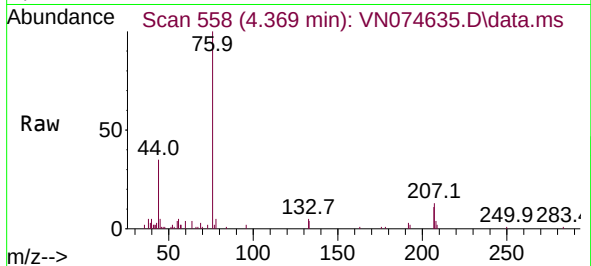




#16
Carbon Disulfide
Concen: 2.438 ug/l
RT: 4.369 min Scan# 556
Delta R.T. 0.012 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

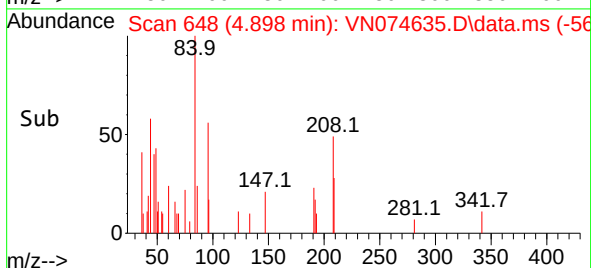
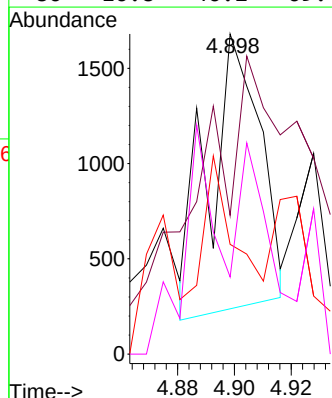
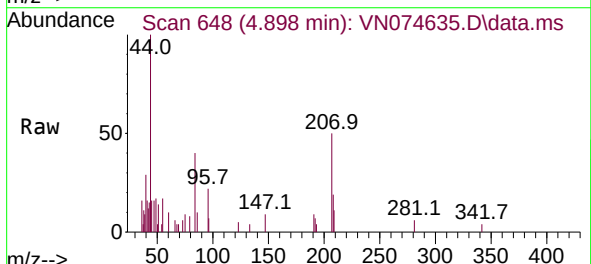
Instrument :
MSVOA_N
ClientSampleId :

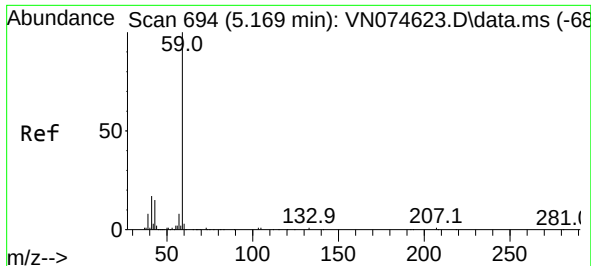
Tgt Ion: 76 Resp: 44947
Ion Ratio Lower Upper
76 100
78 4.7 7.2 10.8#



#18
Methylene Chloride
Concen: 0.216 ug/l
RT: 4.898 min Scan# 648
Delta R.T. -0.000 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

Tgt Ion: 84 Resp: 1807
Ion Ratio Lower Upper
84 100
49 6.6 99.6 149.4#
51 22.4 28.2 42.2#
86 16.8 46.2 69.4#

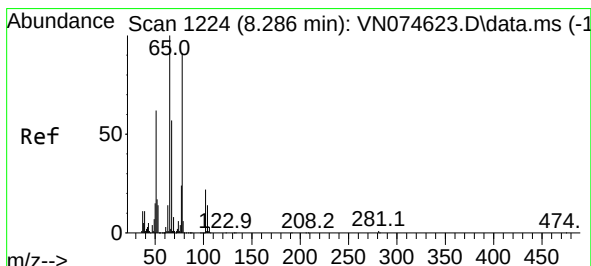
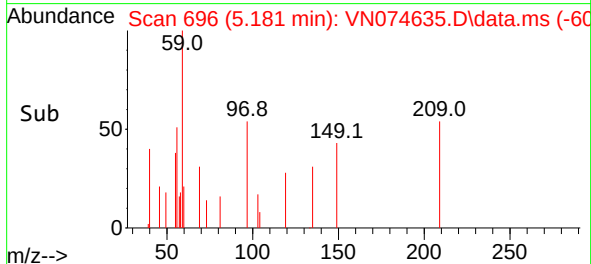
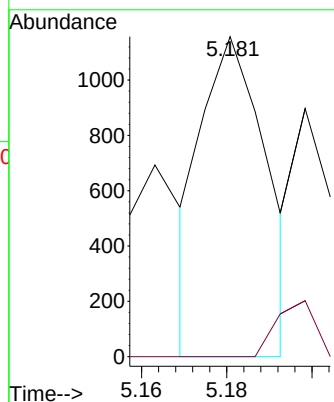
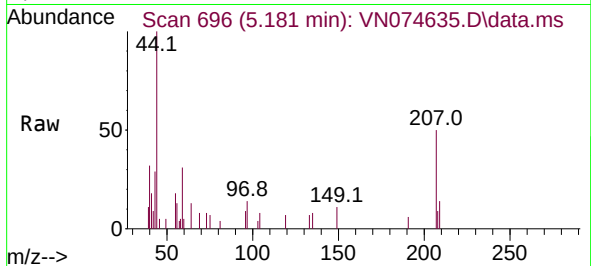




#23
tert-Butyl Alcohol
Concen: 0.520 ug/l
RT: 5.181 min Scan# 696
Delta R.T. 0.012 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

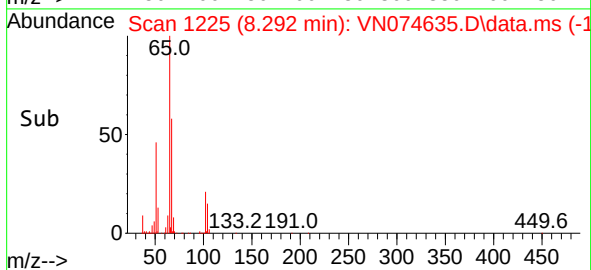
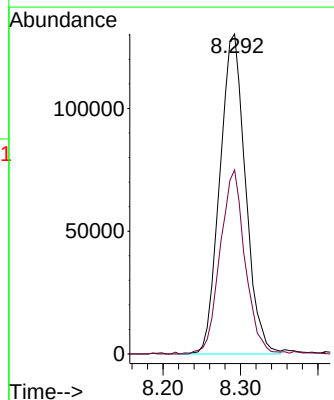
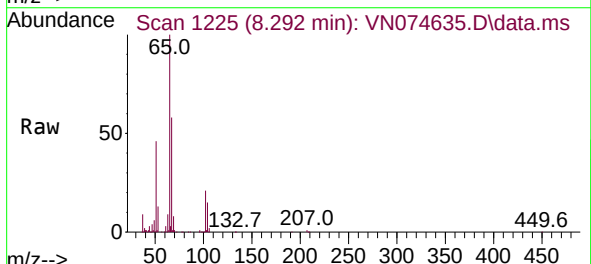
Instrument :
MSVOA_N
ClientSampleId :

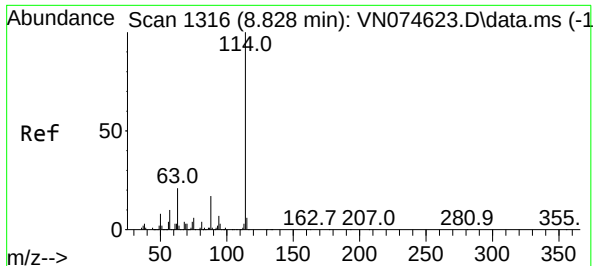
Tgt Ion: 59 Resp: 1219
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#



#27
1,2-Dichloroethane-d4
Concen: 32.928 ug/l
RT: 8.292 min Scan# 1225
Delta R.T. 0.006 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

Tgt Ion: 65 Resp: 300245
Ion Ratio Lower Upper
65 100
67 55.7 45.2 67.8

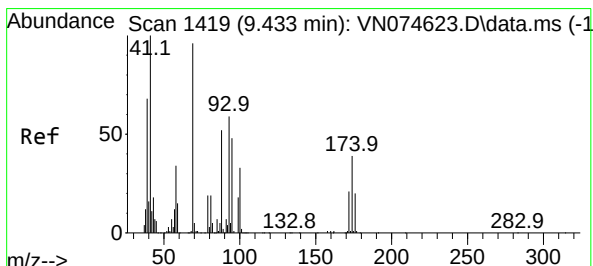
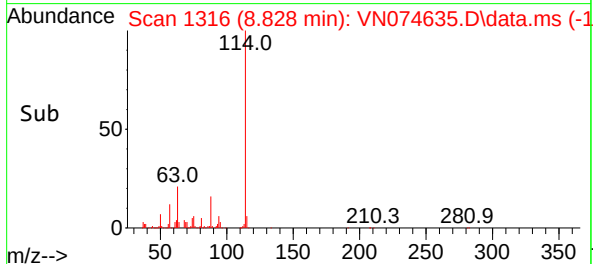
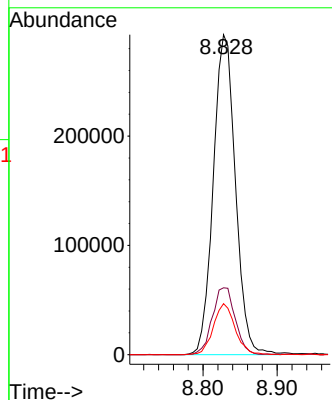
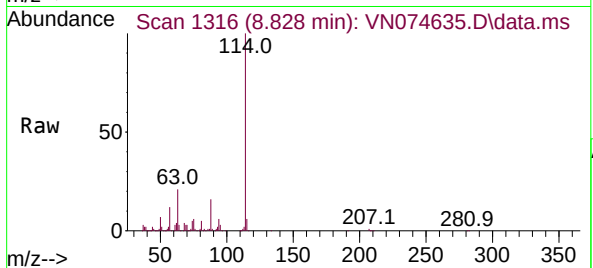




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

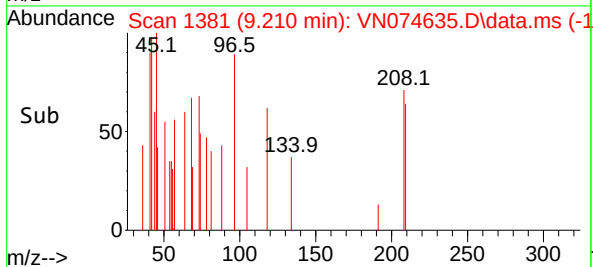
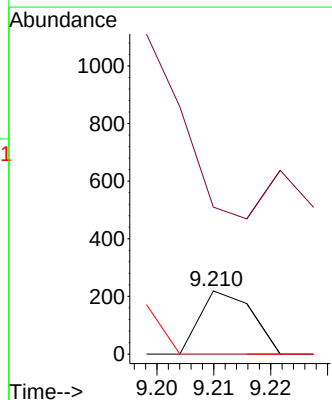
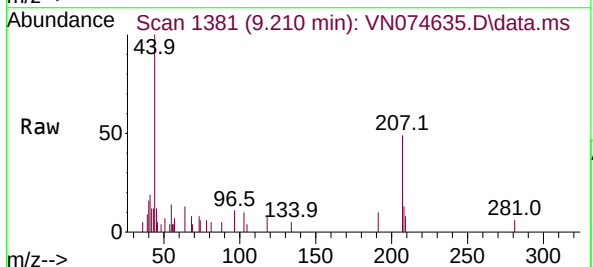
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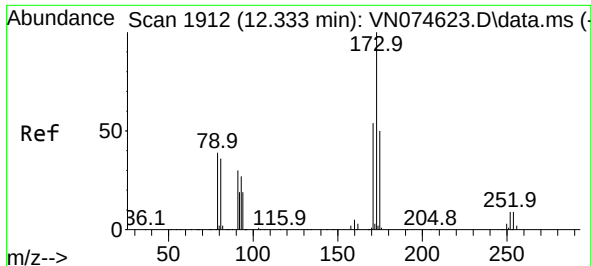
Tgt Ion:114 Resp: 608170
Ion Ratio Lower Upper
114 100
63 21.6 16.6 25.0
88 15.7 12.2 18.4



#45
1,4-Dioxane
Concen: 0.598 ug/l
RT: 9.210 min Scan# 1381
Delta R.T. -0.224 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

Tgt Ion: 88 Resp: 139
Ion Ratio Lower Upper
88 100
43 53.2 25.7 38.5#
58 0.0 53.4 80.2#

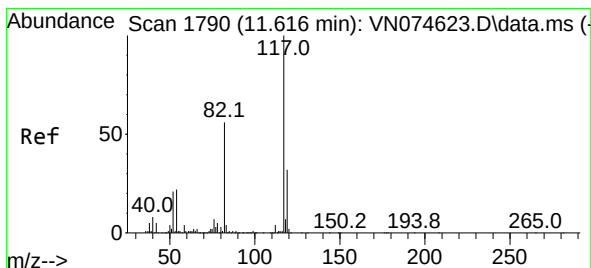
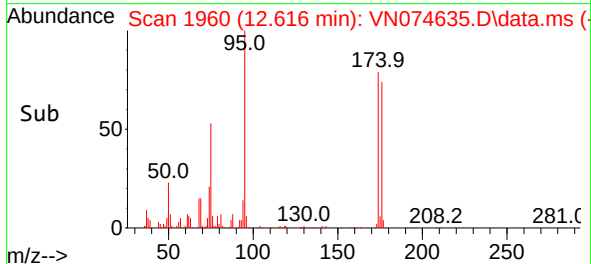
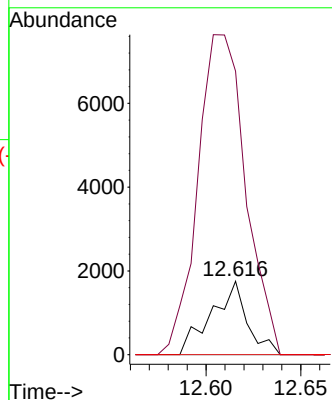
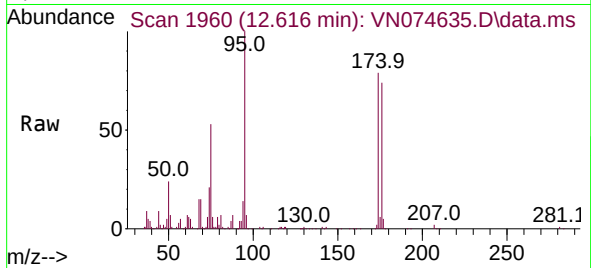




#56
Bromoform
Concen: 0.300 ug/l
RT: 12.616 min Scan# 1912
Delta R.T. 0.282 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

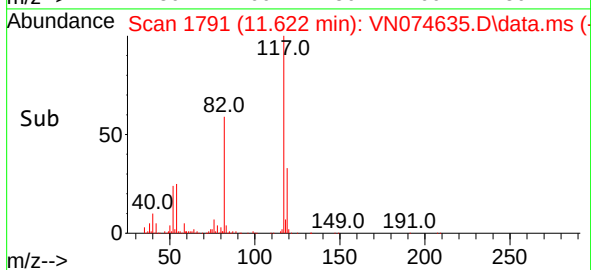
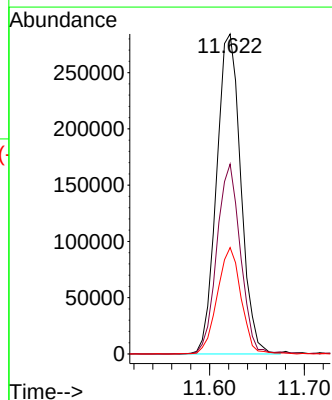
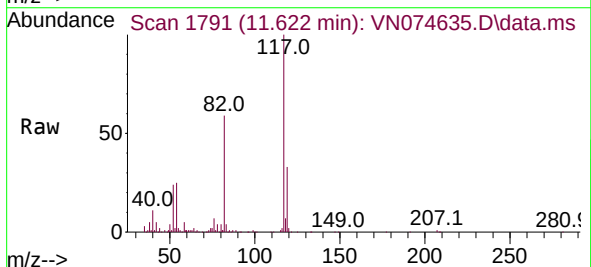
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MSVOA_N
ClientSampleId :

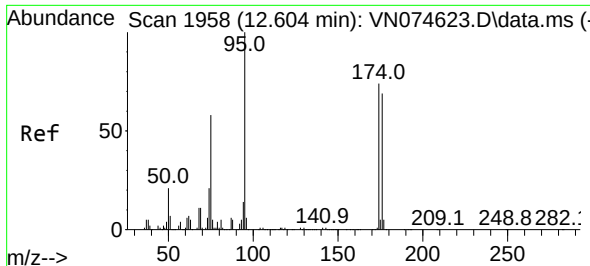
Tgt Ion:173 Resp: 2317
Ion Ratio Lower Upper
173 100
175 580.6 39.1 58.7#
254 0.0 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.622 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

Tgt Ion:117 Resp: 505884
Ion Ratio Lower Upper
117 100
82 57.6 44.6 67.0
119 32.2 25.6 38.4

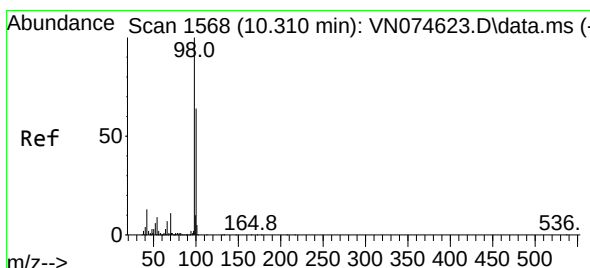
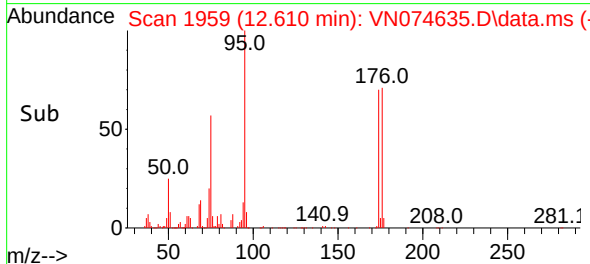
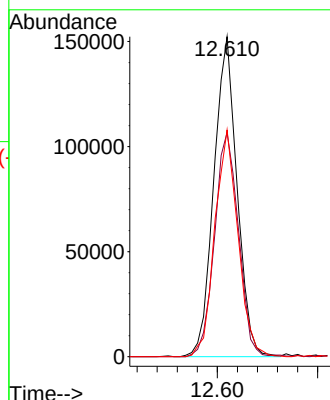
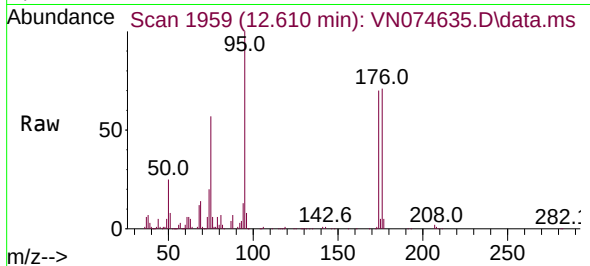




#60
4-Bromofluorobenzene
Concen: 24.921 ug/l
RT: 12.610 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

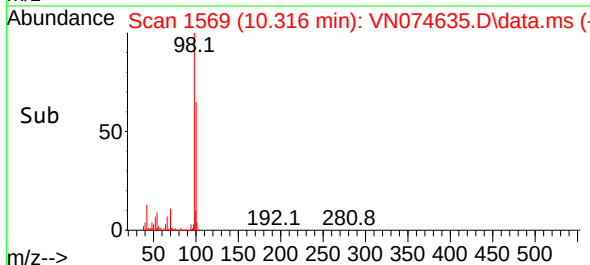
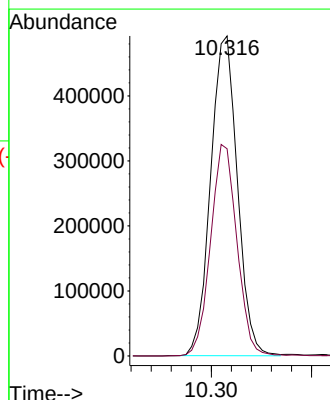
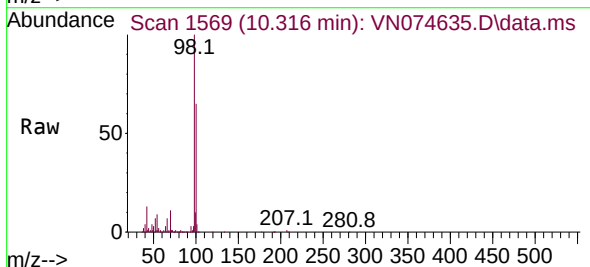
Instrument :
MSVOA_N
ClientSampleId :

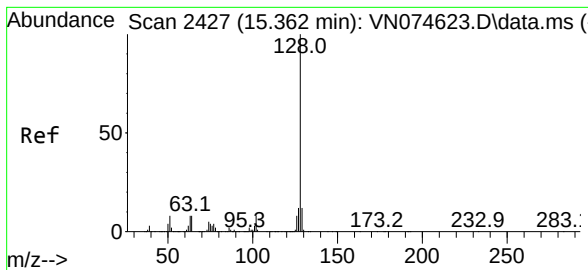
Tgt Ion: 95 Resp: 244892
Ion Ratio Lower Upper
95 100
174 71.8 57.8 86.8
176 70.7 57.0 85.4



#63
Toluene-d8
Concen: 31.865 ug/l
RT: 10.316 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

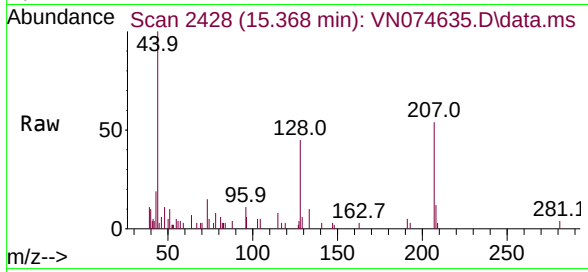
Tgt Ion: 98 Resp: 909251
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1





#91
Naphthalene
Concen: 0.201 ug/l
RT: 15.368 min Scan# 24
Delta R.T. 0.006 min
Lab File: VN074635.D
Acq: 27 Sep 2022 18:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	6093
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.7	16.1
129	9.7	8.9	13.3

