

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092722\
 Data File : VN074629.D
 Acq On : 27 Sep 2022 15:52
 Operator : JC\MD
 Sample : VN0927WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 28 08:03:54 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)

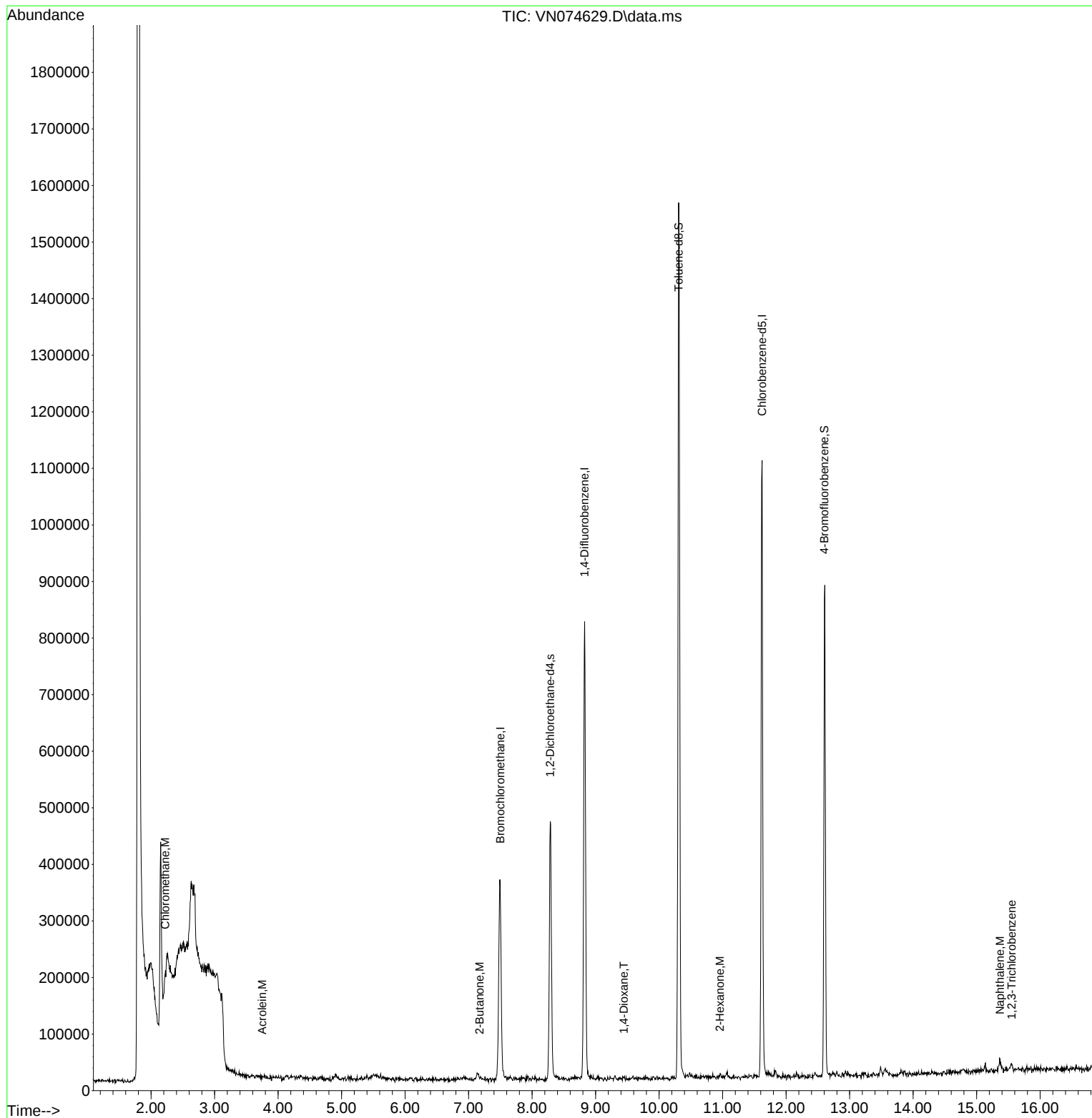
Internal Standards						
1) Bromochloromethane	7.498	128	119550	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.828	114	702169	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.622	117	595008	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.286	65	341101	30.260	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.867%
60) 4-Bromofluorobenzene	12.604	95	281022	24.314	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.033%
63) Toluene-d8	10.310	98	1058385	31.536	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.133%
Target Compounds						
					Qvalue	
3) Chloromethane	2.222	50	5030	0.488	ug/l	97
13) Acrolein	3.751	56	474	0.335	ug/l	89
30) 2-Butanone	7.175	43	2080	0.208	ug/l #	92
45) 1,4-Dioxane	9.445	88	351	1.307	ug/l #	26
59) 2-Hexanone	10.957	43	3586	0.251	ug/l #	88
91) Naphthalene	15.368	128	20000	0.561	ug/l #	84
92) 1,2,3-Trichlorobenzene	15.551	180	3698	0.434	ug/l	34

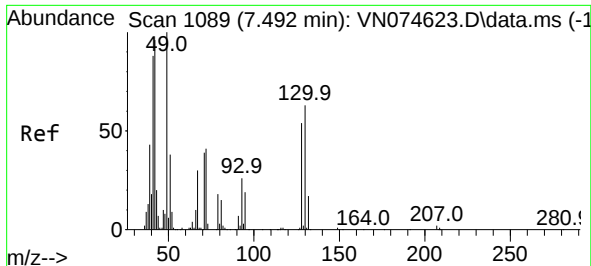
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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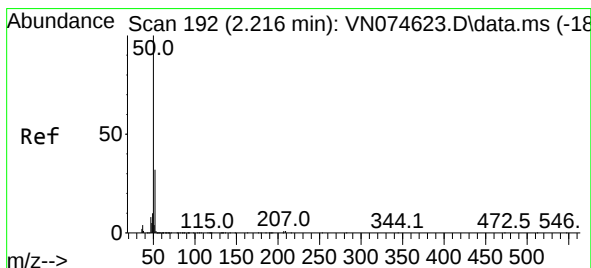
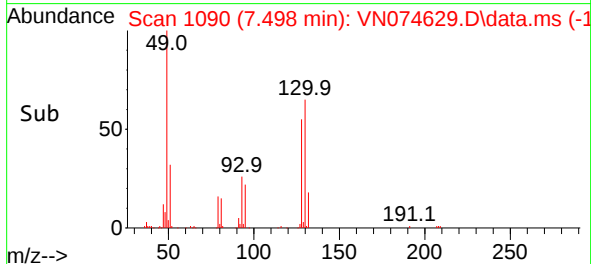
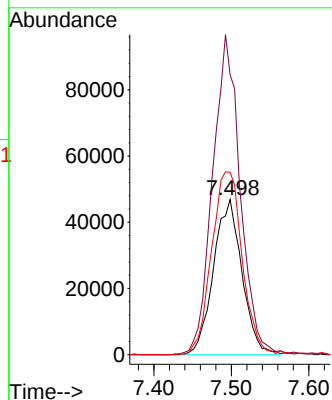
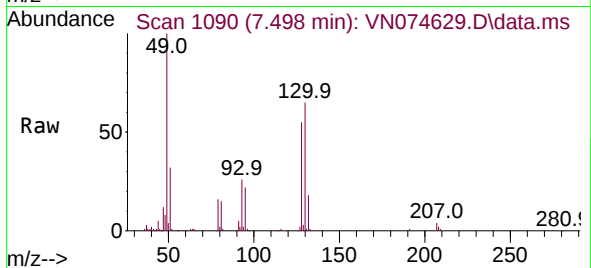




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.498 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074629.D
Acq: 27 Sep 2022 15:52

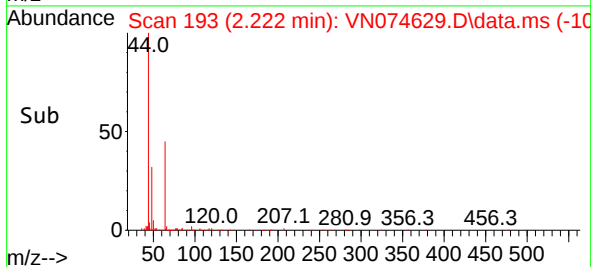
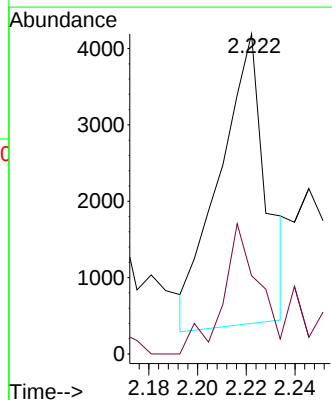
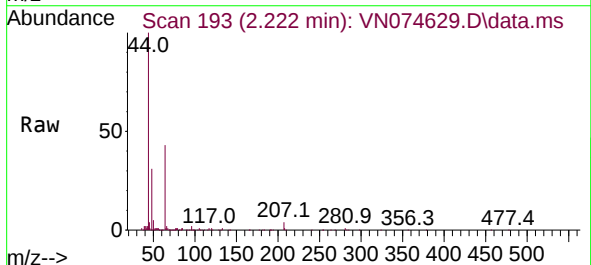
Instrument :
MSVOA_N
ClientSampleId :

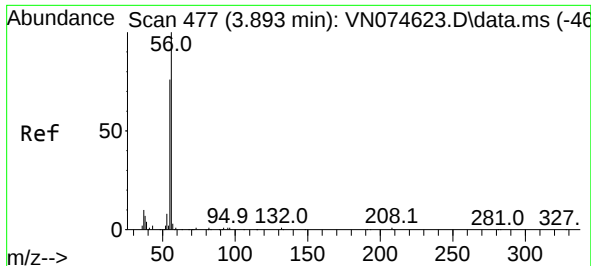
Tgt Ion:128 Resp: 119550
Ion Ratio Lower Upper
128 100
49 199.4 0.0 492.0
130 126.8 0.0 313.3



#3
Chloromethane
Concen: 0.488 ug/l
RT: 2.222 min Scan# 193
Delta R.T. 0.006 min
Lab File: VN074629.D
Acq: 27 Sep 2022 15:52

Tgt Ion: 50 Resp: 5030
Ion Ratio Lower Upper
50 100
52 30.0 25.5 38.3

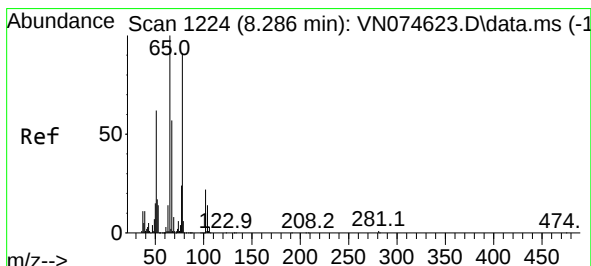
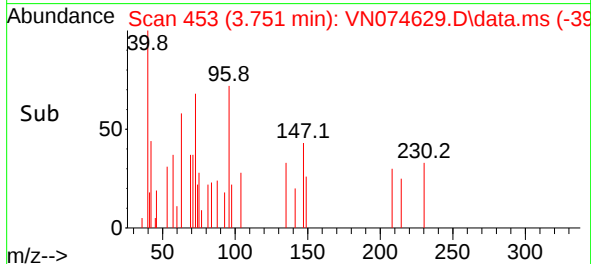
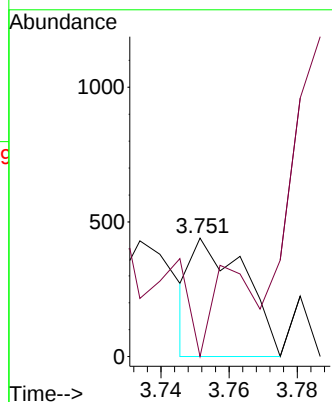
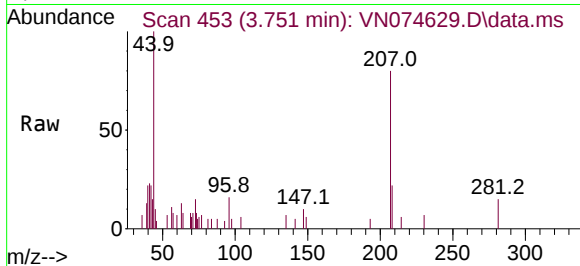




#13
Acrolein
Concen: 0.335 ug/l
RT: 3.751 min Scan# 41
Delta R.T. -0.141 min
Lab File: VN074629.D
Acq: 27 Sep 2022 15:52

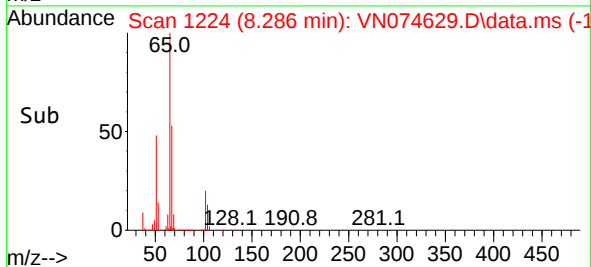
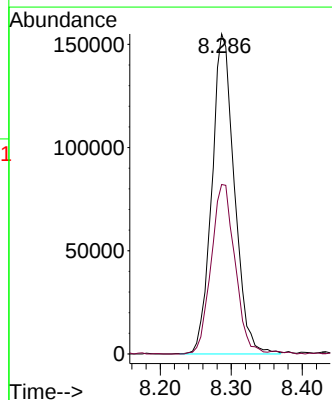
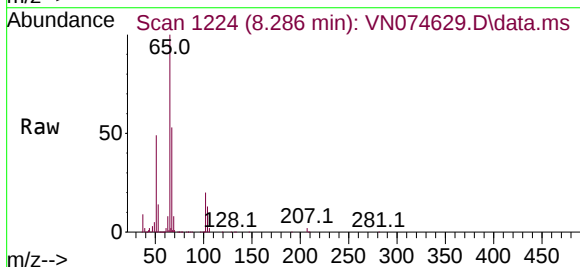
Instrument :
MSVOA_N
ClientSampleId :

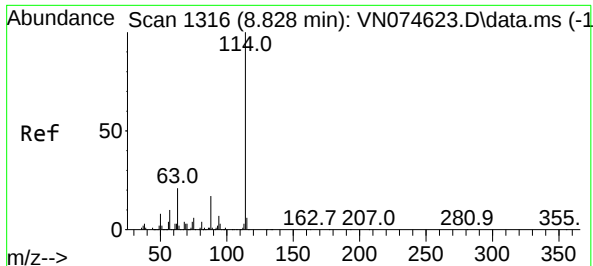
Tgt Ion: 56 Resp: 474
Ion Ratio Lower Upper
56 100
55 61.2 56.2 84.2



#27
1,2-Dichloroethane-d4
Concen: 30.260 ug/l
RT: 8.286 min Scan# 1224
Delta R.T. -0.000 min
Lab File: VN074629.D
Acq: 27 Sep 2022 15:52

Tgt Ion: 65 Resp: 341101
Ion Ratio Lower Upper
65 100
67 56.0 45.2 67.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.828 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN074629.D

Acq: 27 Sep 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :

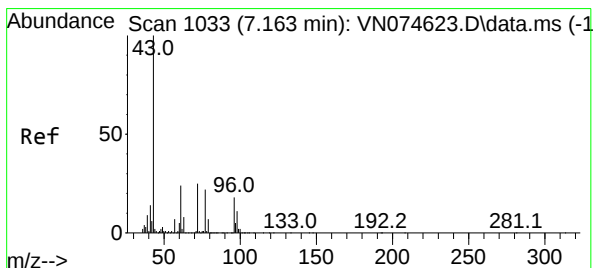
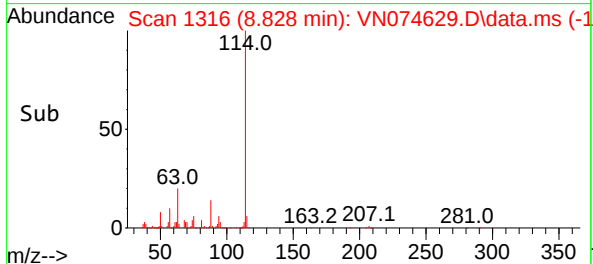
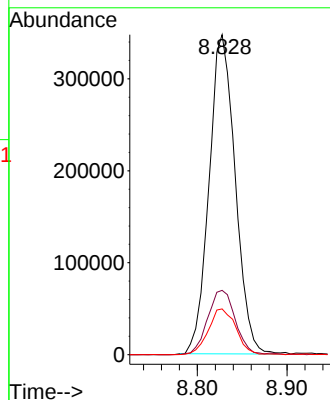
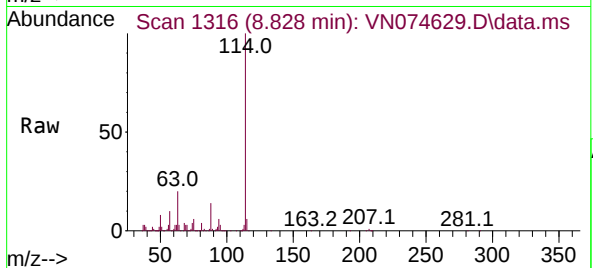
Tgt Ion:114 Resp: 702169

Ion Ratio Lower Upper

114 100

63 21.3 16.6 25.0

88 15.1 12.2 18.4



#30

2-Butanone

Concen: 0.208 ug/l

RT: 7.175 min Scan# 1035

Delta R.T. 0.012 min

Lab File: VN074629.D

Acq: 27 Sep 2022 15:52

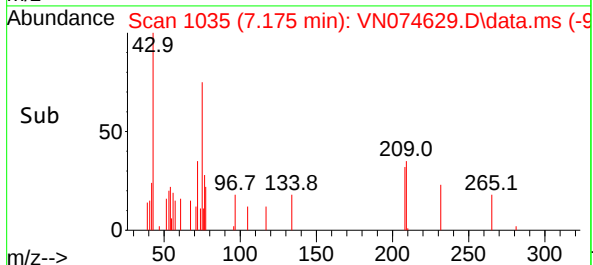
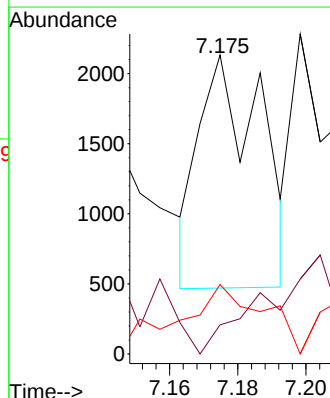
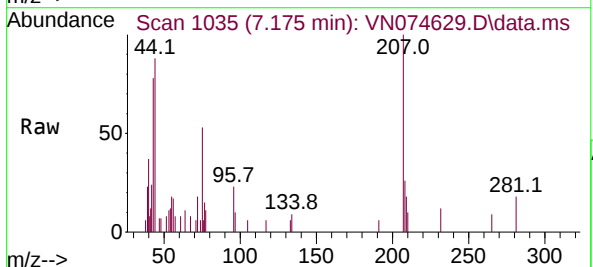
Tgt Ion: 43 Resp: 2080

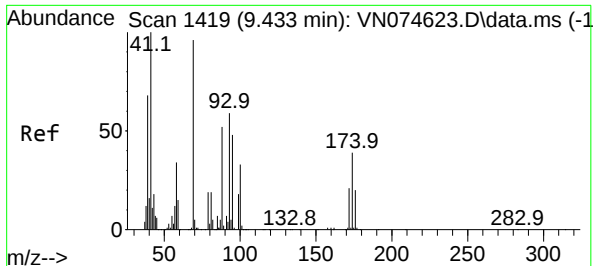
Ion Ratio Lower Upper

43 100

57 0.0 6.3 9.5#

72 28.1 21.0 31.4





#45

1,4-Dioxane

Concen: 1.307 ug/l

RT: 9.445 min Scan# 1419

Delta R.T. 0.012 min

Lab File: VN074629.D

Acq: 27 Sep 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :

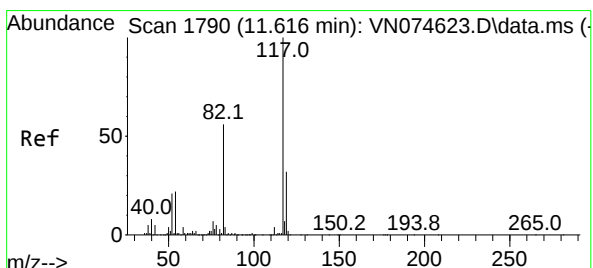
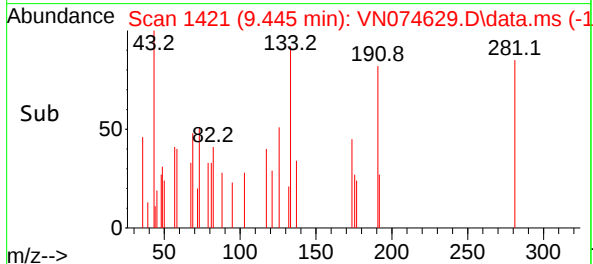
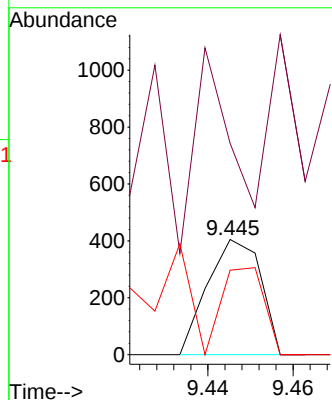
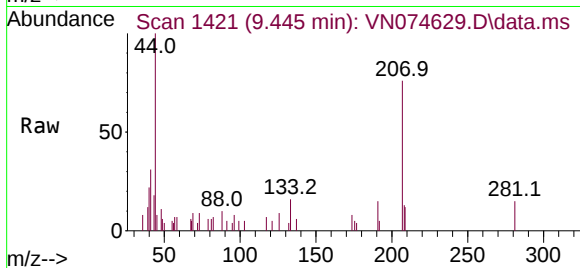
Tgt Ion: 88 Resp: 351

Ion Ratio Lower Upper

88 100

43 150.4 25.7 38.5#

58 60.7 53.4 80.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.622 min Scan# 1791

Delta R.T. 0.006 min

Lab File: VN074629.D

Acq: 27 Sep 2022 15:52

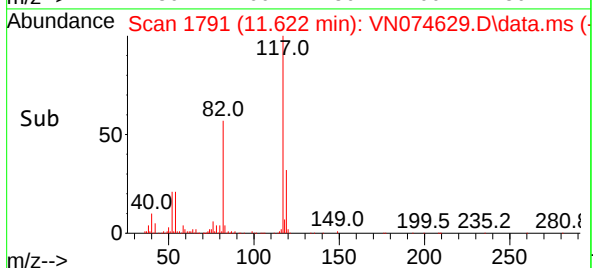
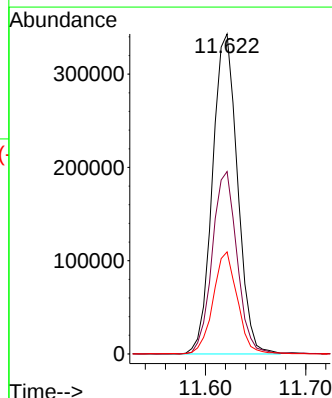
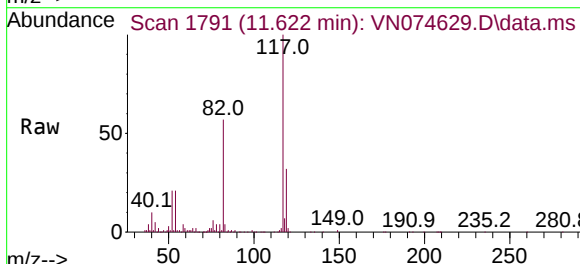
Tgt Ion: 117 Resp: 595008

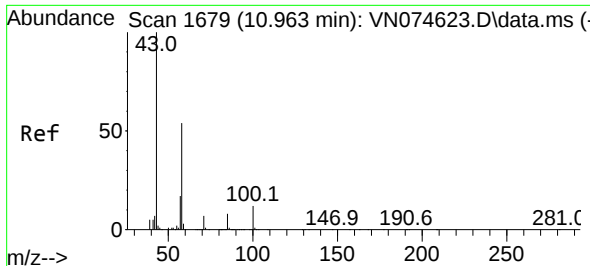
Ion Ratio Lower Upper

117 100

82 56.6 44.6 67.0

119 31.0 25.6 38.4

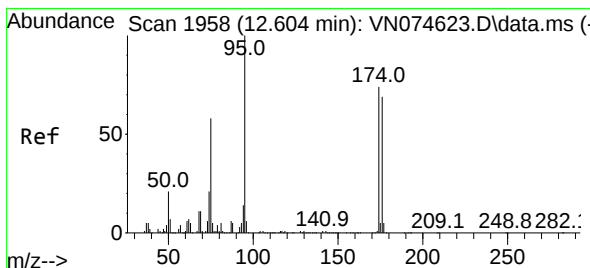
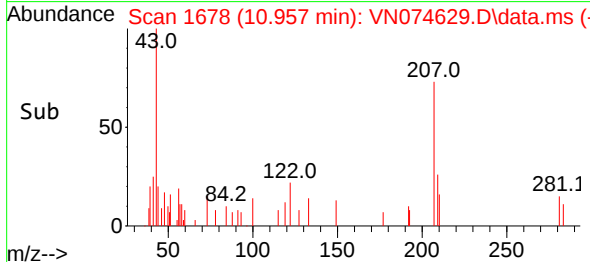
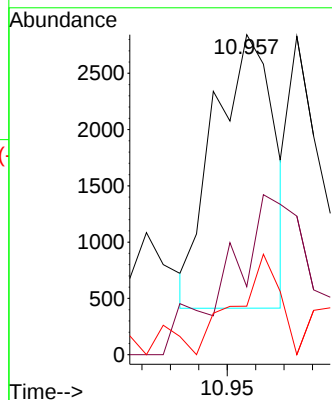
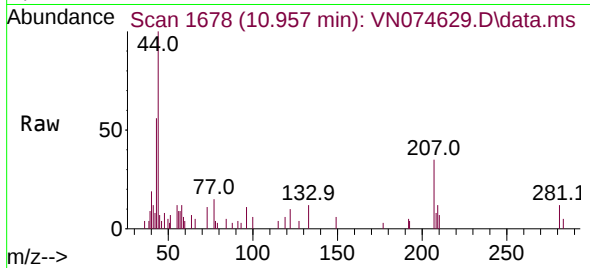




#59
2-Hexanone
Concen: 0.251 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074629.D
Acq: 27 Sep 2022 15:52

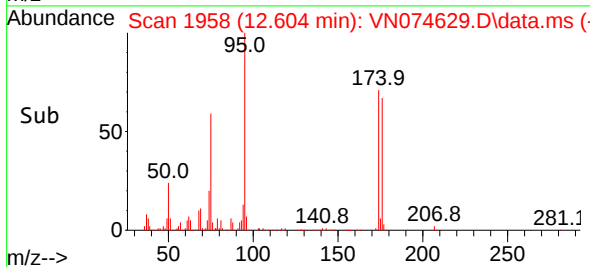
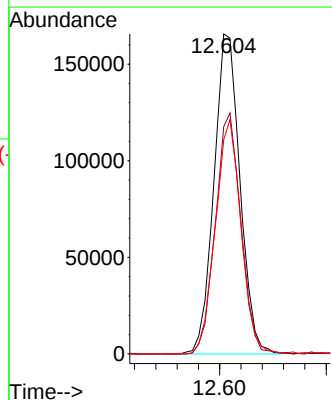
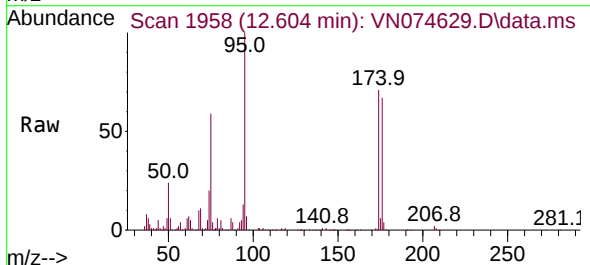
Instrument :
MSVOA_N
ClientSampleId :

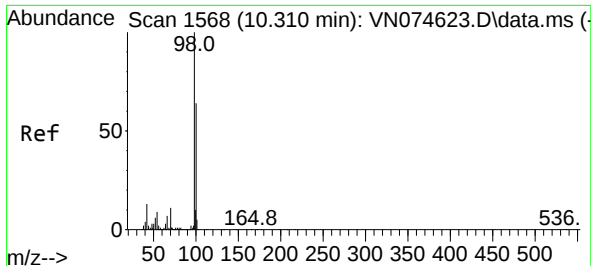
Tgt Ion: 43 Resp: 3586
Ion Ratio Lower Upper
43 100
58 65.7 43.6 65.4#
57 18.6 14.3 21.5



#60
4-Bromofluorobenzene
Concen: 24.314 ug/l
RT: 12.604 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VN074629.D
Acq: 27 Sep 2022 15:52

Tgt Ion: 95 Resp: 281022
Ion Ratio Lower Upper
95 100
174 73.4 57.8 86.8
176 71.8 57.0 85.4

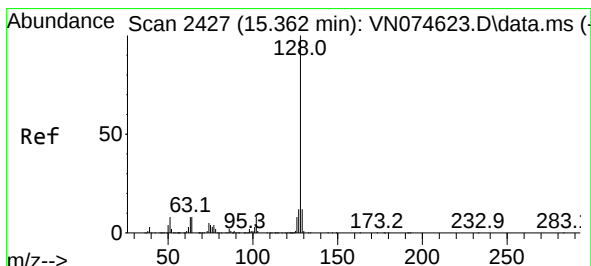
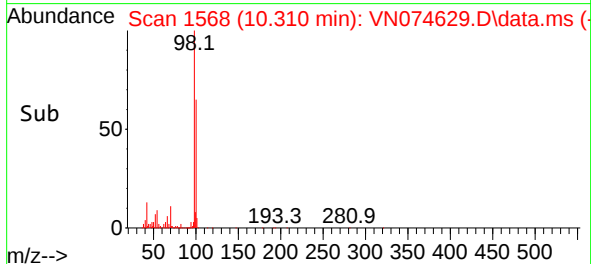
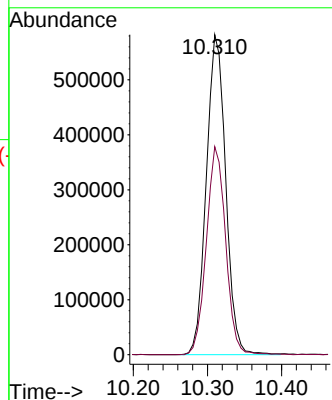
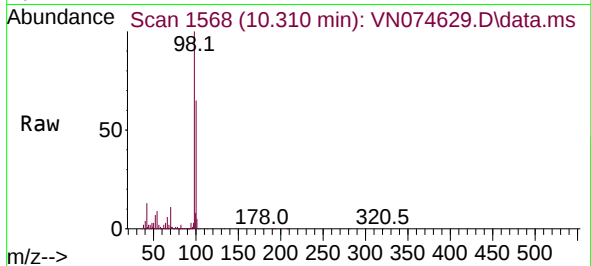




#63
Toluene-d8
Concen: 31.536 ug/l
RT: 10.310 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN074629.D
Acq: 27 Sep 2022 15:52

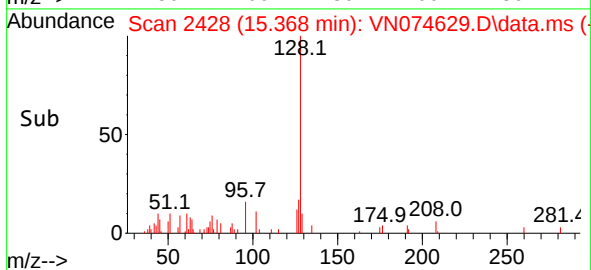
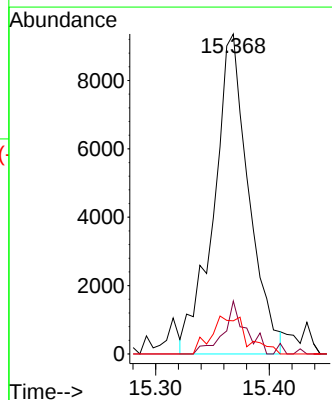
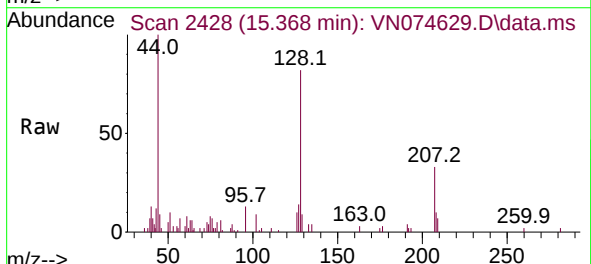
Instrument :
MSVOA_N
ClientSampleId :

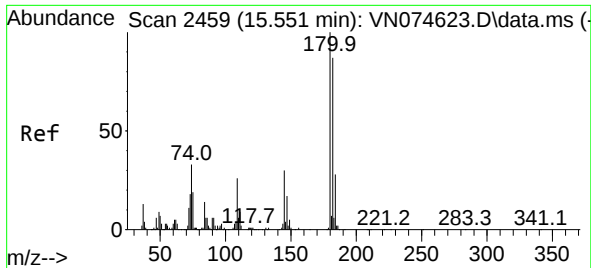
Tgt Ion: 98 Resp: 1058385
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1



#91
Naphthalene
Concen: 0.561 ug/l
RT: 15.368 min Scan# 2428
Delta R.T. 0.006 min
Lab File: VN074629.D
Acq: 27 Sep 2022 15:52

Tgt Ion:128 Resp: 20000
Ion Ratio Lower Upper
128 100
127 9.6 10.7 16.1#
129 2.3 8.9 13.3#





#92

1,2,3-Trichlorobenzene

Concen: 0.434 ug/l

RT: 15.551 min Scan# 24

Delta R.T. -0.000 min

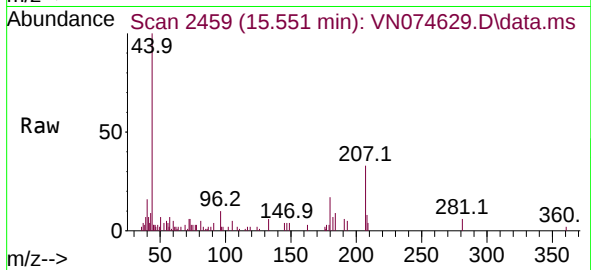
Lab File: VN074629.D

Acq: 27 Sep 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 3698

Ion Ratio Lower Upper

180 100

182 19.6 0.0 185.4

145 13.5 0.0 68.6

