

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092722\
 Data File : VN074633.D
 Acq On : 27 Sep 2022 17:41
 Operator : JC\MD
 Sample : N4742-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 28 08:06:15 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)

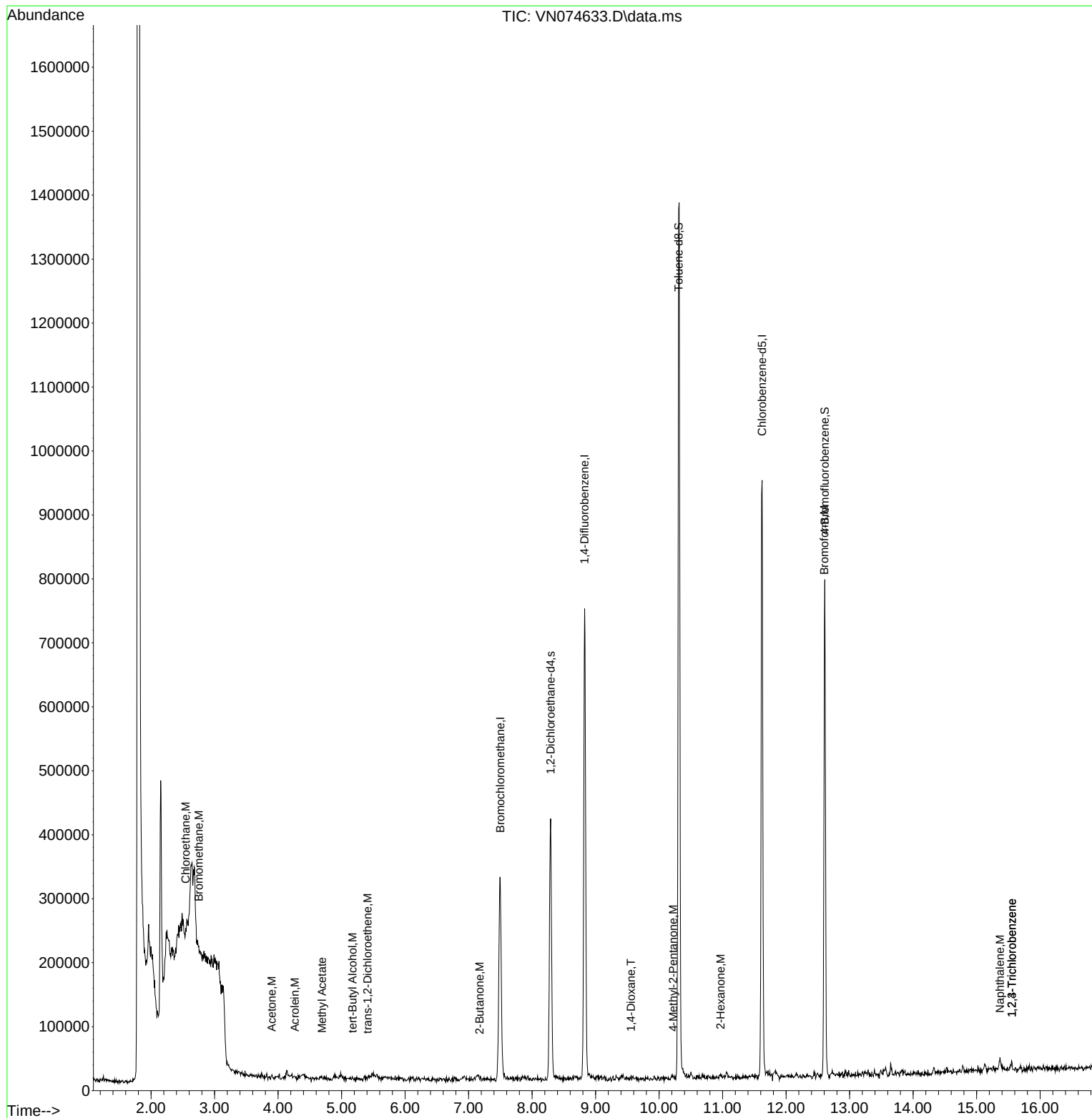
Internal Standards						
1) Bromochloromethane	7.498	128	105077	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.827	114	633870	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.621	117	532586	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.292	65	304090	30.692	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.300%	
60) 4-Bromofluorobenzene	12.610	95	245358	23.717	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 79.067%	
63) Toluene-d8	10.310	98	947746	31.549	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 105.167%	
Target Compounds						Qvalue
5) Bromomethane	2.751	94	2358	0.315	ug/l	85
6) Chloroethane	2.545	64	4691	0.572	ug/l	90
12) Methyl Acetate	4.692	43	3708	0.243	ug/l	95
13) Acrolein	4.263	56	540	0.435	ug/l	91
15) Acetone	3.898	58	328	0.202	ug/l	98
19) trans-1,2-Dichloroethene	5.410	96	2661	0.330	ug/l #	25
23) tert-Butyl Alcohol	5.175	59	2405	0.944	ug/l #	100
30) 2-Butanone	7.175	43	2044	0.226	ug/l #	76
45) 1,4-Dioxane	9.557	88	405	1.671	ug/l #	10
56) Bromoform	12.604	173	2115	0.263	ug/l #	1
58) 4-Methyl-2-Pentanone	10.221	43	3814	0.231	ug/l #	64
59) 2-Hexanone	10.968	43	4242	0.331	ug/l #	72
89) 1,2,4-Trichlorobenzene	15.556	180	2153	0.283	ug/l	98
91) Naphthalene	15.368	128	15168	0.475	ug/l #	81
92) 1,2,3-Trichlorobenzene	15.556	180	2153	0.282	ug/l	99

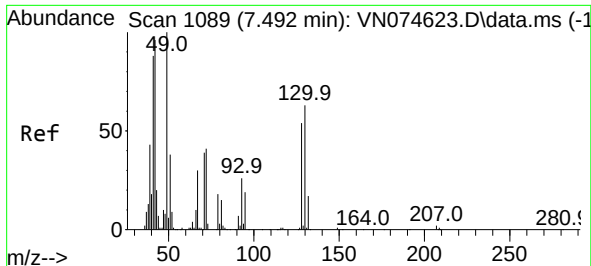
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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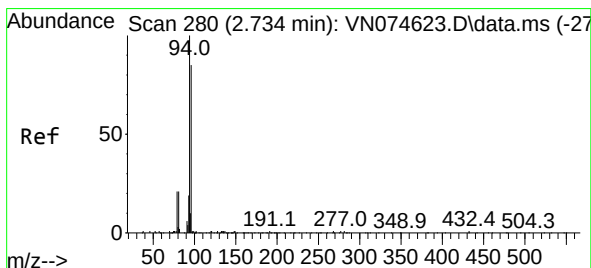
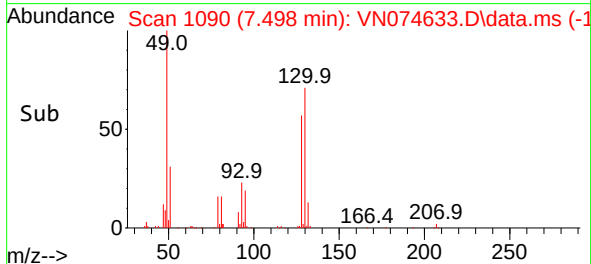
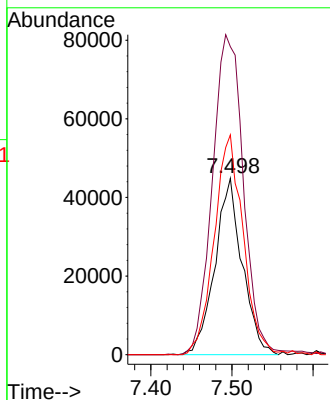
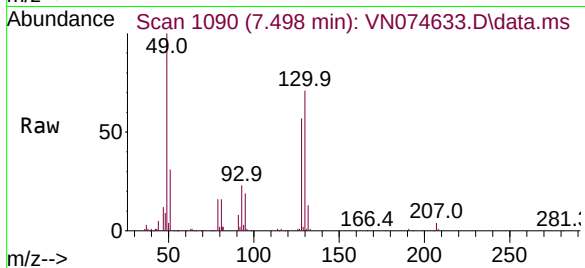




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.498 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

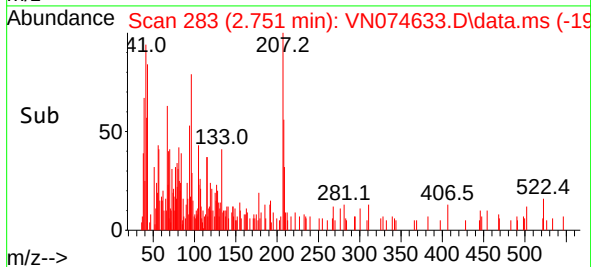
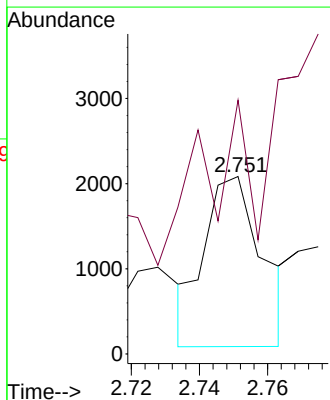
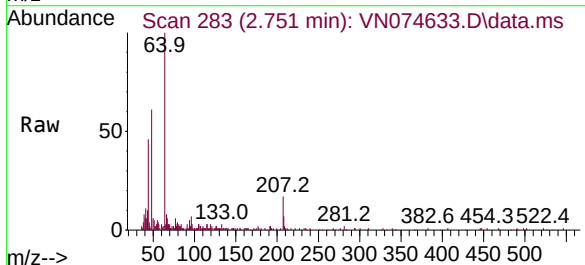
Instrument :
MSVOA_N
ClientSampleId :

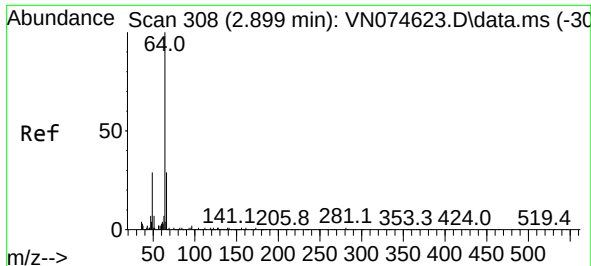
Tgt Ion:128 Resp: 105077
Ion Ratio Lower Upper
128 100
49 206.2 0.0 492.0
130 131.5 0.0 313.3



#5
Bromomethane
Concen: 0.315 ug/l
RT: 2.751 min Scan# 283
Delta R.T. 0.017 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

Tgt Ion: 94 Resp: 2358
Ion Ratio Lower Upper
94 100
96 99.4 68.3 102.5

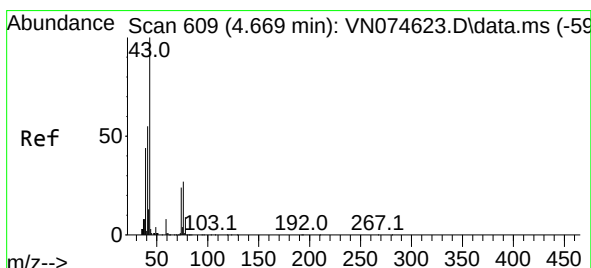
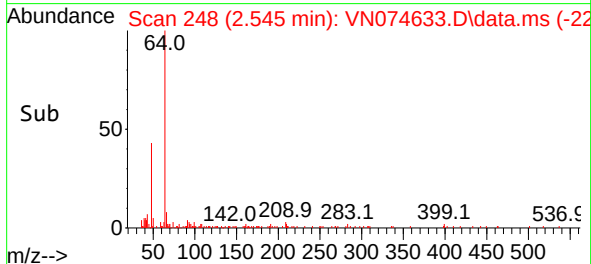
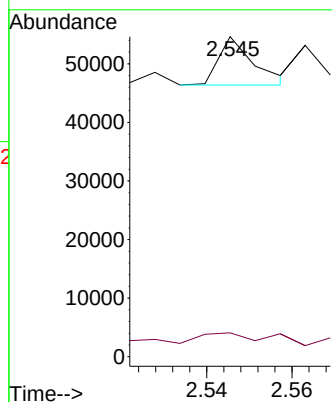
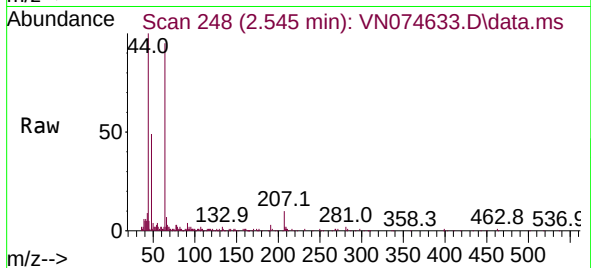




#6
Chloroethane
Concen: 0.572 ug/l
RT: 2.545 min Scan# 24
Delta R.T. -0.353 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

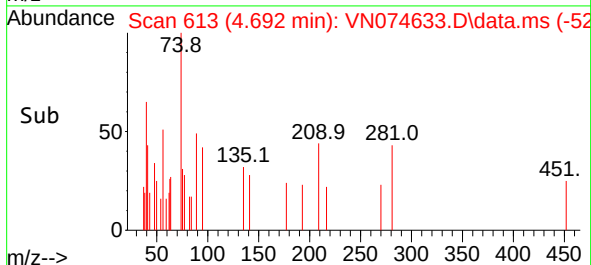
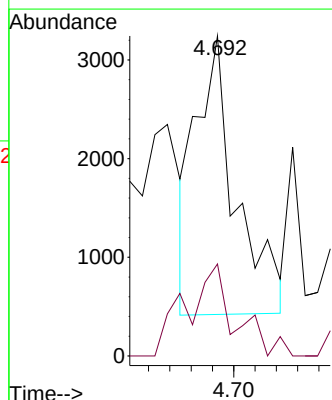
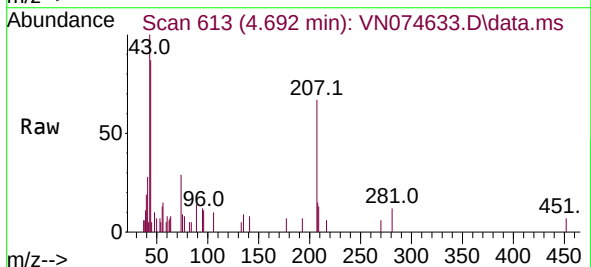
Instrument :
MSVOA_N
ClientSampleId :

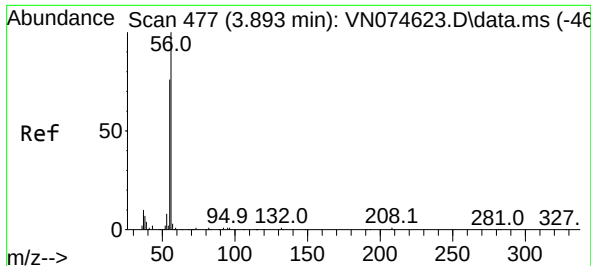
Tgt Ion: 64 Resp: 4691
Ion Ratio Lower Upper
64 100
66 21.9 21.8 32.8



#12
Methyl Acetate
Concen: 0.243 ug/l
RT: 4.692 min Scan# 613
Delta R.T. 0.023 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

Tgt Ion: 43 Resp: 3708
Ion Ratio Lower Upper
43 100
74 26.4 19.0 28.6

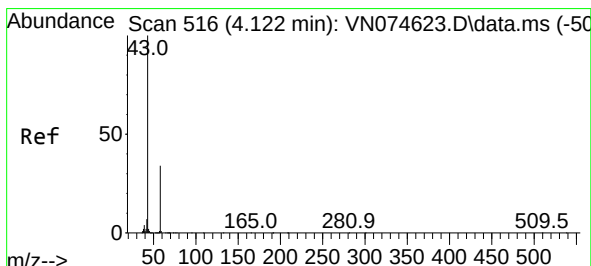
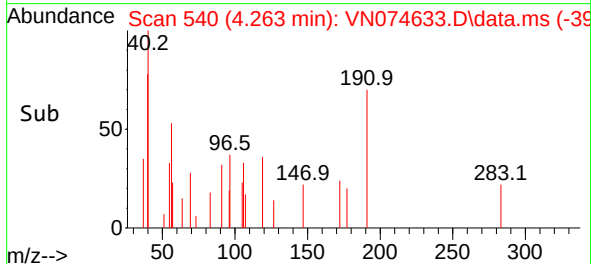
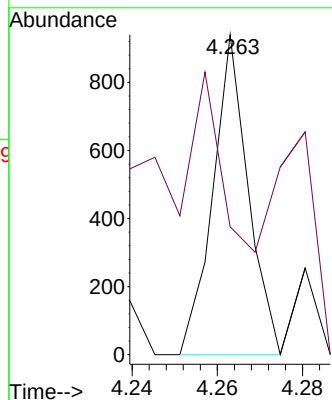
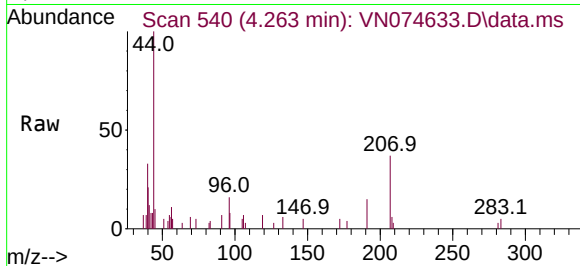




#13
Acrolein
Concen: 0.435 ug/l
RT: 4.263 min Scan# 540
Delta R.T. 0.370 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

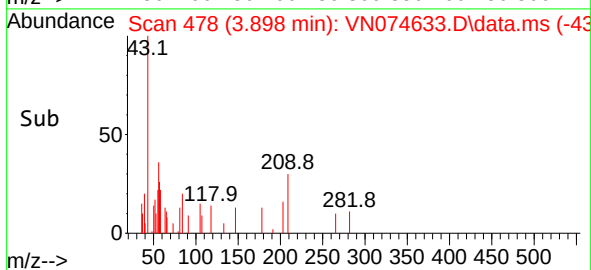
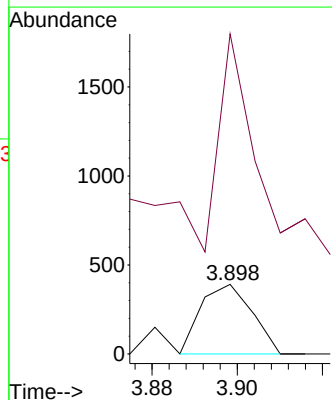
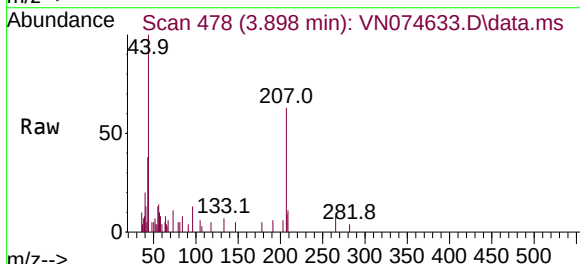
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MSVOA_N
ClientSampleId :

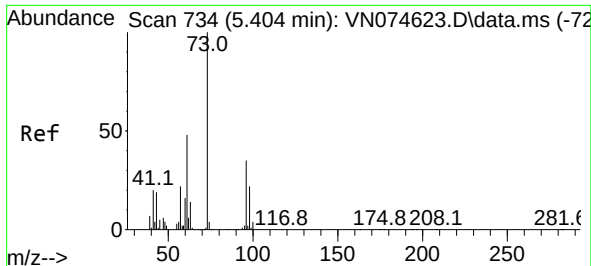
Tgt Ion: 56 Resp: 540
Ion Ratio Lower Upper
56 100
55 63.1 56.2 84.2



#15
Acetone
Concen: 0.202 ug/l
RT: 3.898 min Scan# 478
Delta R.T. -0.224 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

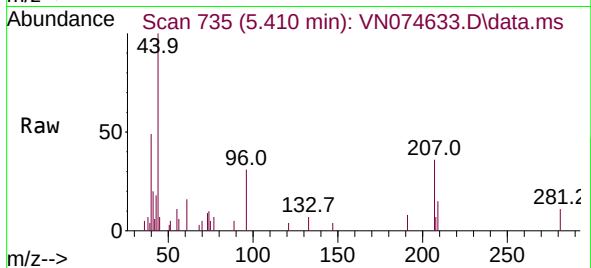
Tgt Ion: 58 Resp: 328
Ion Ratio Lower Upper
58 100
43 285.9 232.2 348.4



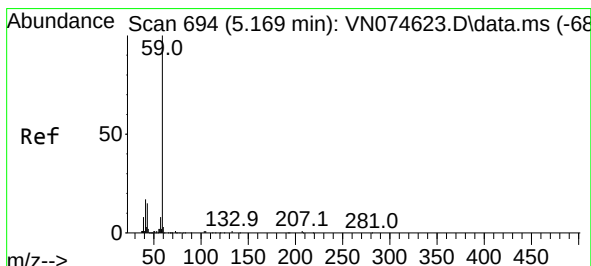
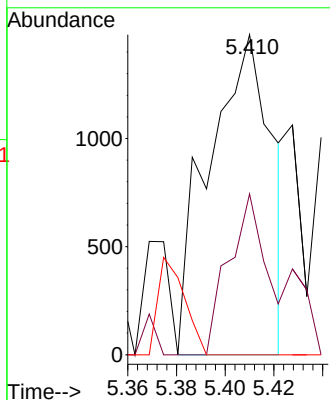
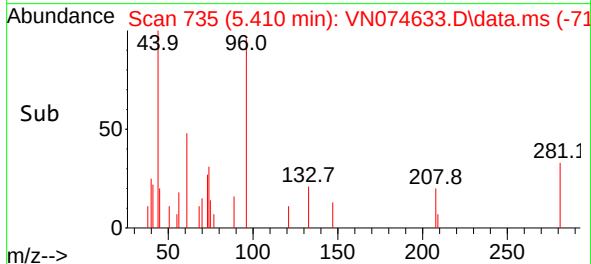


#19
trans-1,2-Dichloroethene
Concen: 0.330 ug/l
RT: 5.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

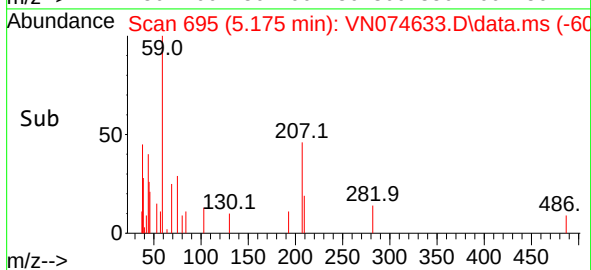
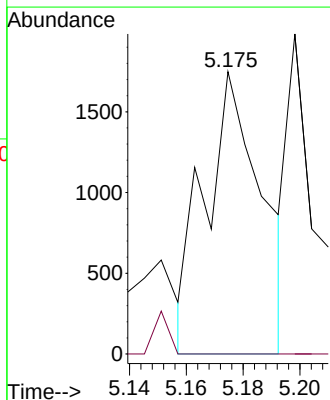
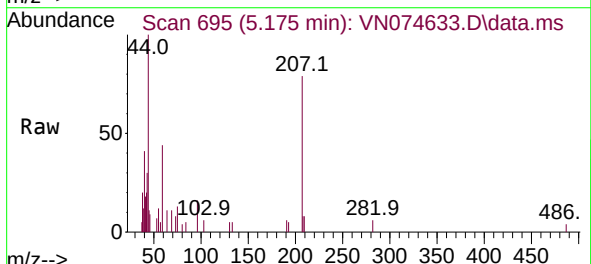


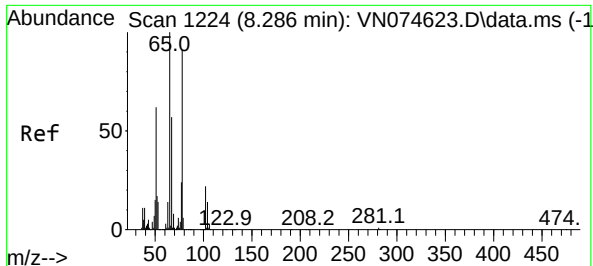
Tgt Ion: 96 Resp: 2661
Ion Ratio Lower Upper
96 100
61 50.3 110.2 165.4#
98 0.0 50.0 75.0#



#23
tert-Butyl Alcohol
Concen: 0.944 ug/l
RT: 5.175 min Scan# 695
Delta R.T. 0.006 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

Tgt Ion: 59 Resp: 2405
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#

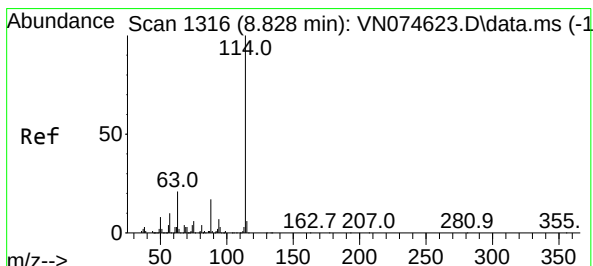
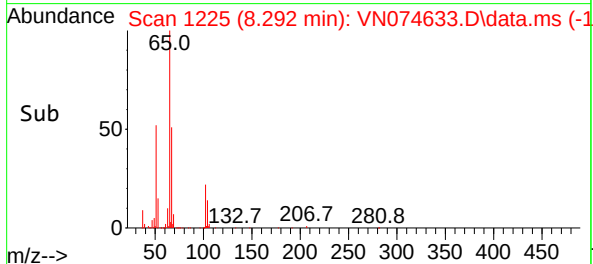
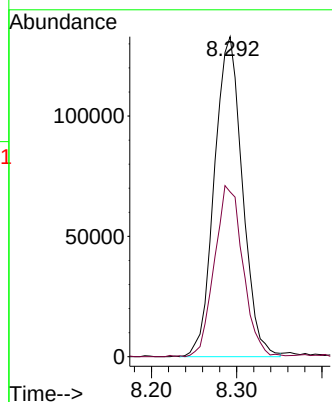
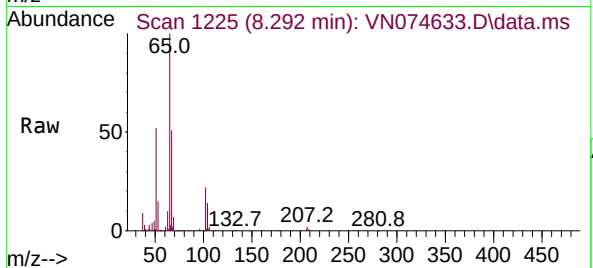




#27
1,2-Dichloroethane-d4
Concen: 30.692 ug/l
RT: 8.292 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

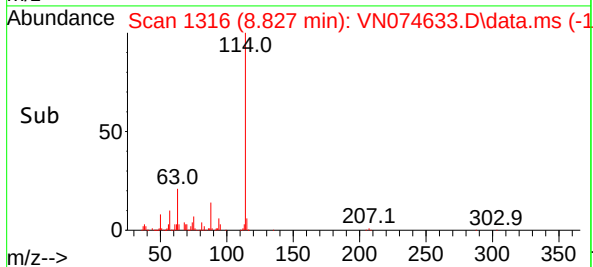
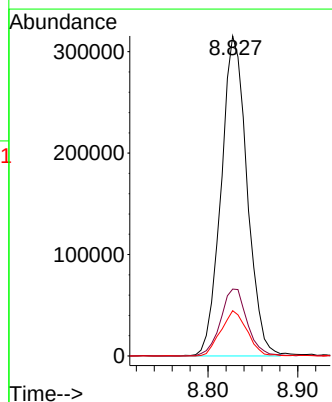
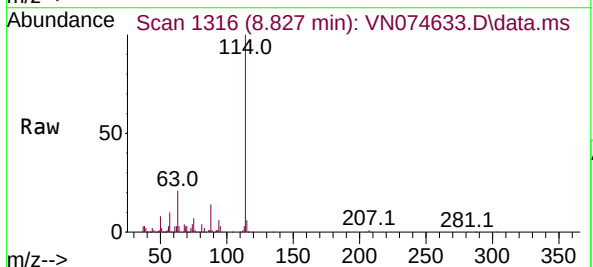
Instrument :
MSVOA_N
ClientSampleId :

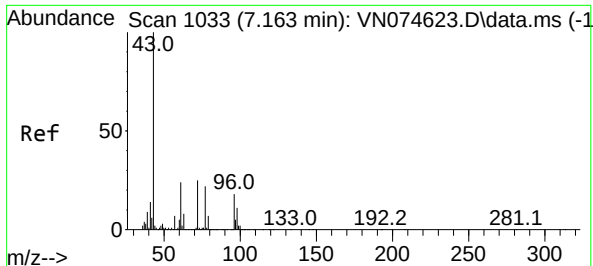
Tgt Ion: 65 Resp: 304090
Ion Ratio Lower Upper
65 100
67 54.0 45.2 67.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.827 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

Tgt Ion: 114 Resp: 633870
Ion Ratio Lower Upper
114 100
63 21.5 16.6 25.0
88 14.2 12.2 18.4





#30

2-Butanone

Concen: 0.226 ug/l

RT: 7.175 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN074633.D

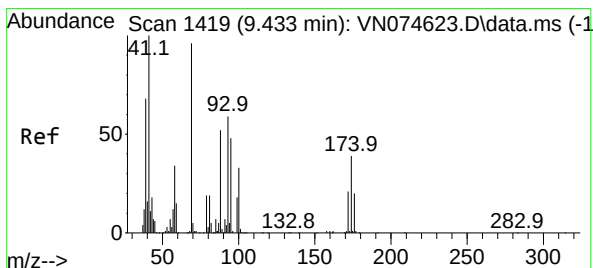
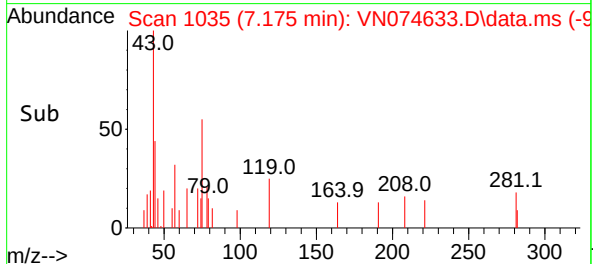
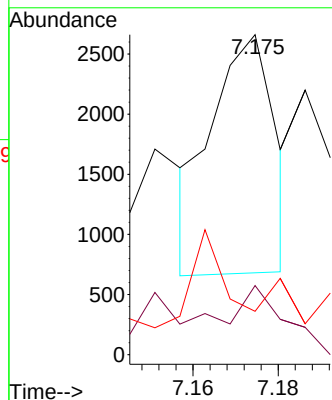
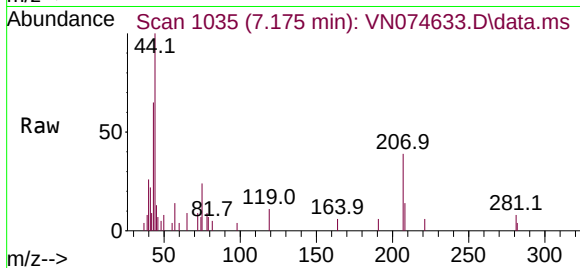
Acq: 27 Sep 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 2044
Ion Ratio	Lower Upper
43 100	
57 18.9	6.3 9.5#
72 15.4	21.0 31.4#



#45

1,4-Dioxane

Concen: 1.671 ug/l

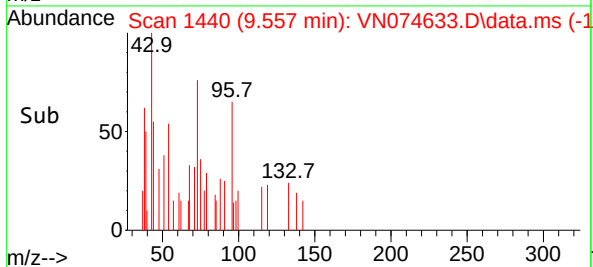
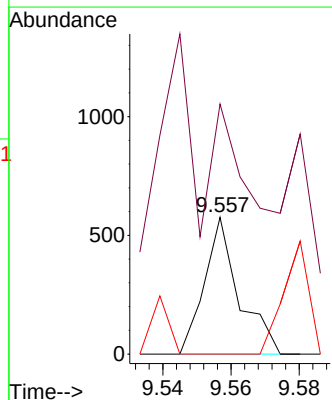
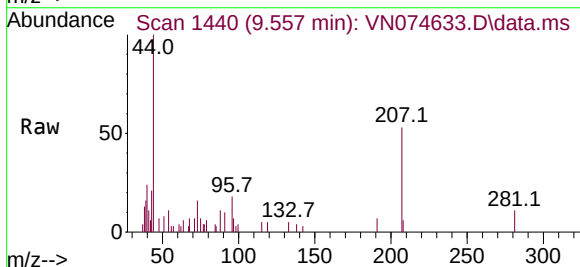
RT: 9.557 min Scan# 1440

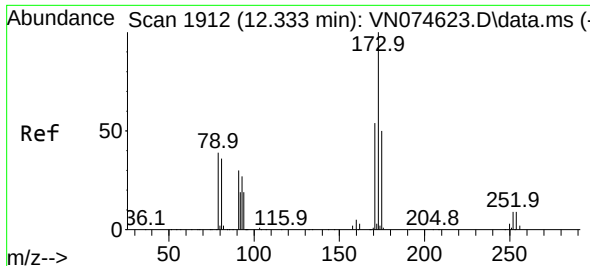
Delta R.T. 0.123 min

Lab File: VN074633.D

Acq: 27 Sep 2022 17:41

Tgt Ion: 88	Resp: 405
Ion Ratio	Lower Upper
88 100	
43 89.6	25.7 38.5#
58 0.0	53.4 80.2#

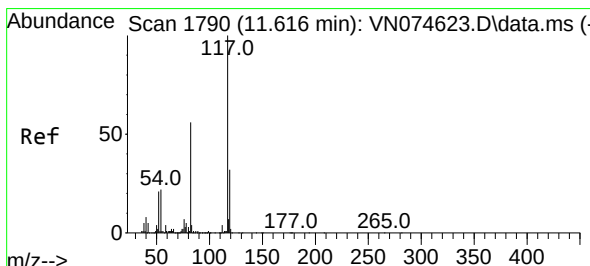
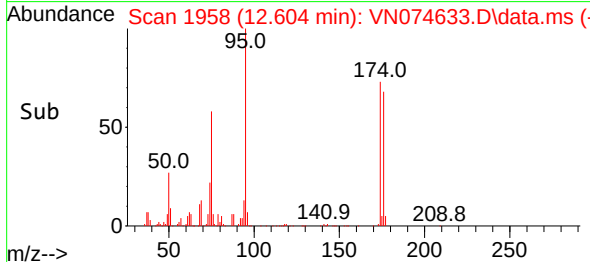
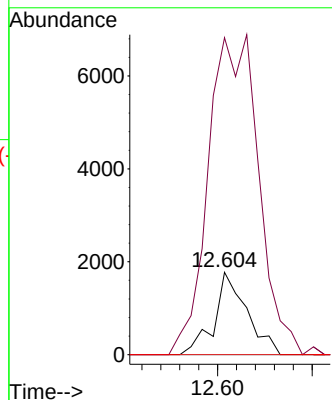
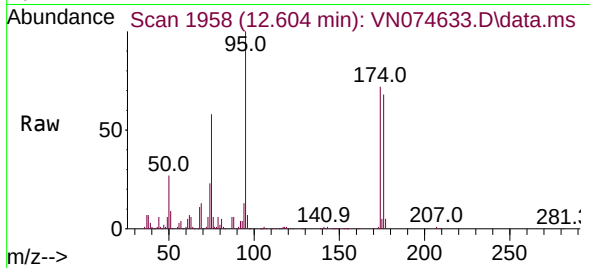




#56
Bromoform
Concen: 0.263 ug/l
RT: 12.604 min Scan# 1958
Delta R.T. 0.270 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

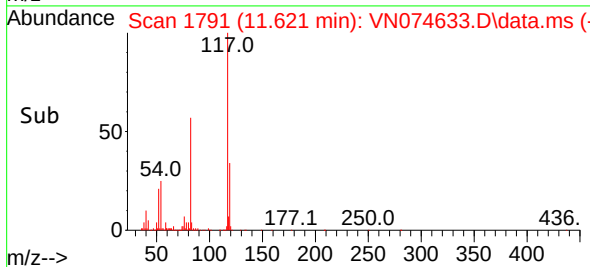
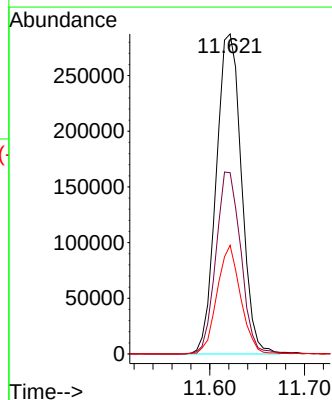
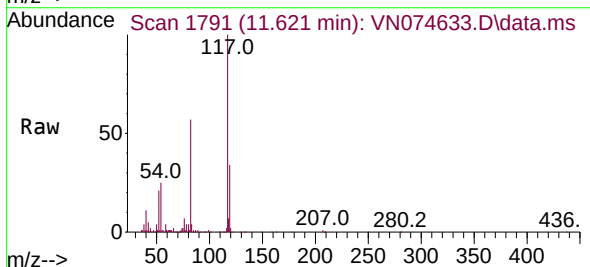
Instrument :
MSVOA_N
ClientSampleId :

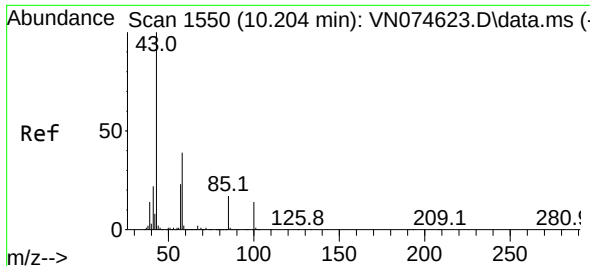
Tgt Ion:173 Resp: 2115
Ion Ratio Lower Upper
173 100
175 366.2 39.1 58.7#
254 0.0 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.621 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

Tgt Ion:117 Resp: 532586
Ion Ratio Lower Upper
117 100
82 56.0 44.6 67.0
119 31.7 25.6 38.4

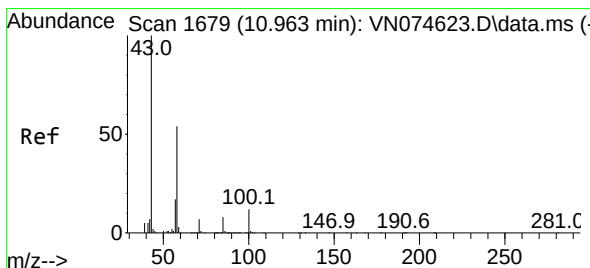
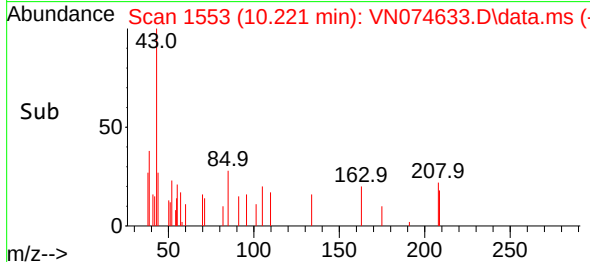
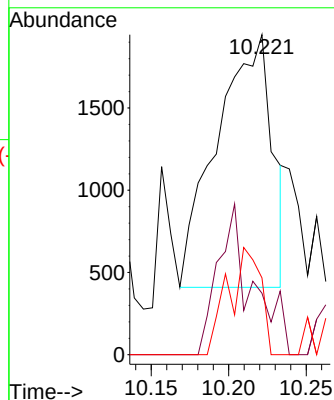
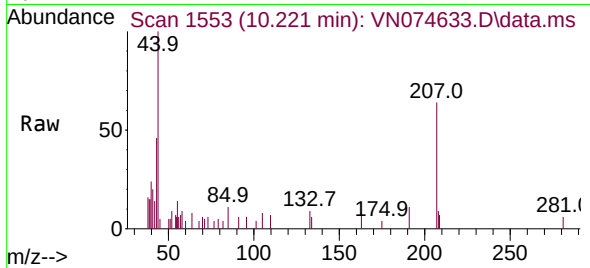




#58
4-Methyl-2-Pentanone
Concen: 0.231 ug/l
RT: 10.221 min Scan# 1553
Delta R.T. 0.017 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

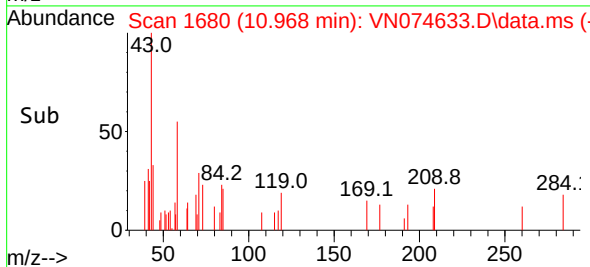
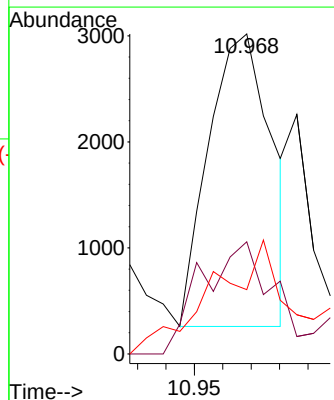
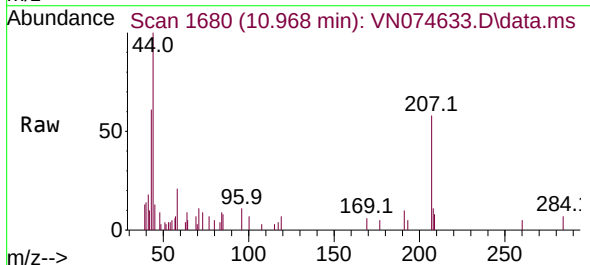
Instrument :
MSVOA_N
ClientSampleId :

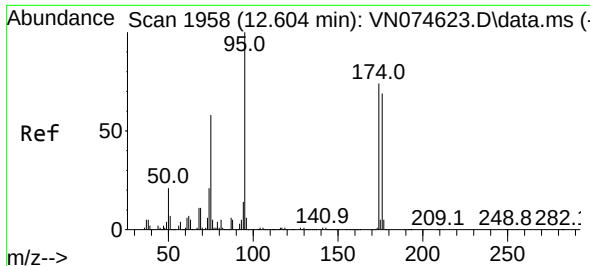
Tgt Ion: 43 Resp: 3814
Ion Ratio Lower Upper
43 100
58 7.8 30.8 46.2#
85 15.7 13.3 19.9



#59
2-Hexanone
Concen: 0.331 ug/l
RT: 10.968 min Scan# 1680
Delta R.T. 0.006 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

Tgt Ion: 43 Resp: 4242
Ion Ratio Lower Upper
43 100
58 28.1 43.6 65.4#
57 19.0 14.3 21.5

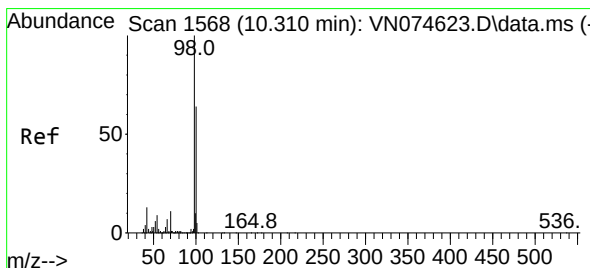
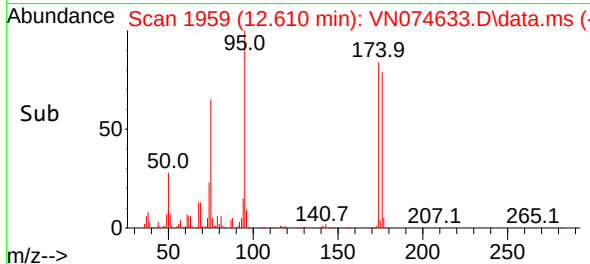
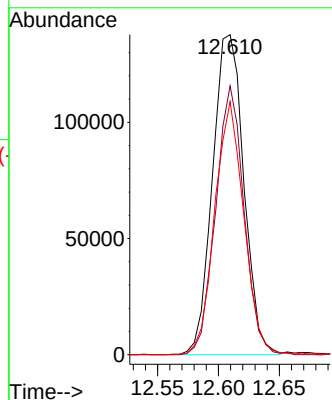
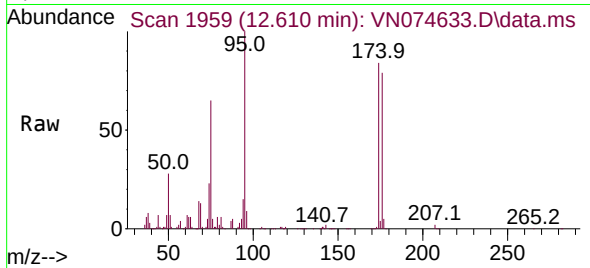




#60
4-Bromofluorobenzene
Concen: 23.717 ug/l
RT: 12.610 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

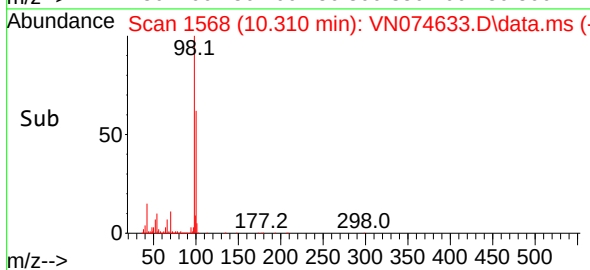
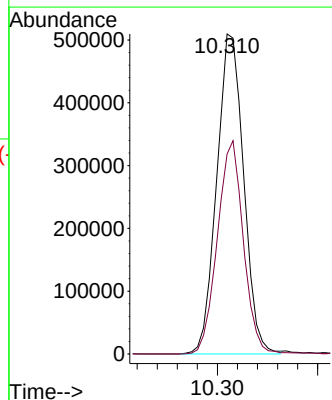
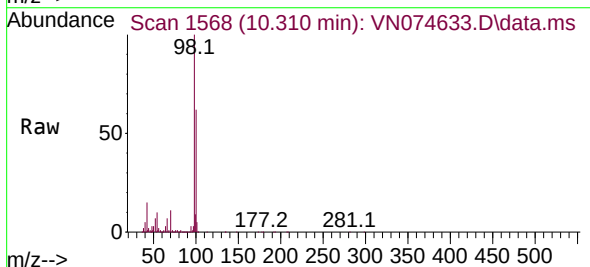
Instrument :
MSVOA_N
ClientSampleId :

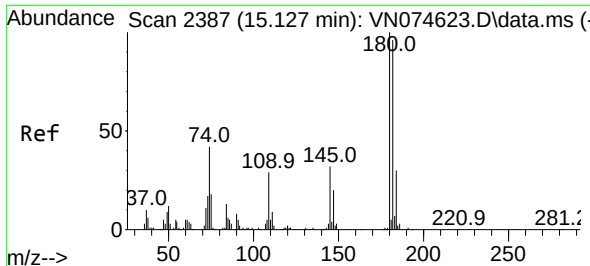
Tgt Ion: 95 Resp: 245358
Ion Ratio Lower Upper
95 100
174 76.1 57.8 86.8
176 73.5 57.0 85.4



#63
Toluene-d8
Concen: 31.549 ug/l
RT: 10.310 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

Tgt Ion: 98 Resp: 947746
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1

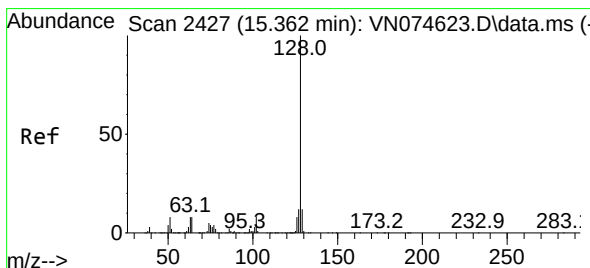
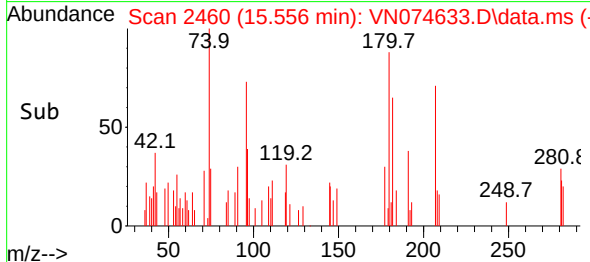
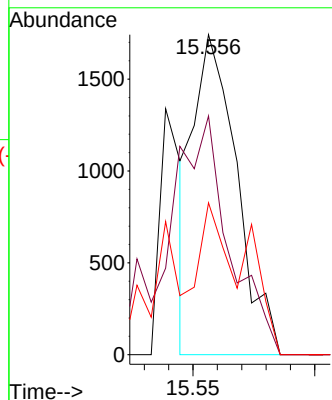
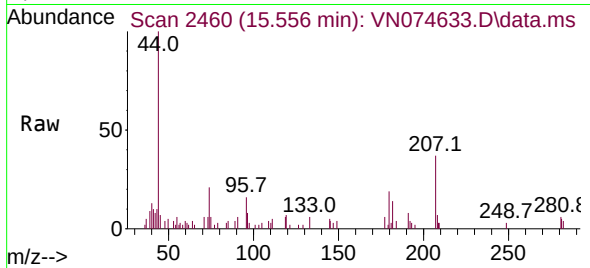




#89
1,2,4-Trichlorobenzene
Concen: 0.283 ug/l
RT: 15.556 min Scan# 2460
Delta R.T. 0.429 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

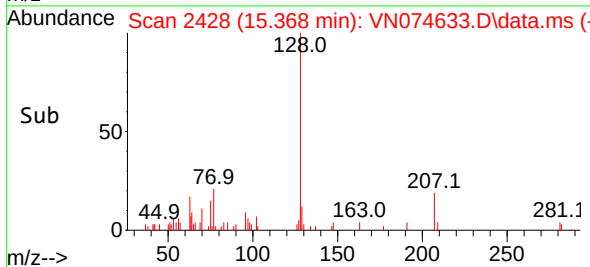
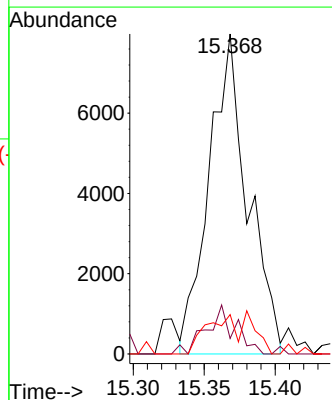
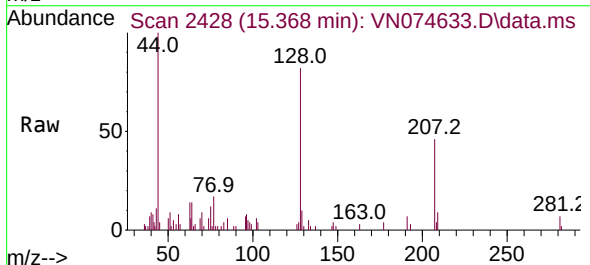
Instrument :
MSVOA_N
ClientSampleId :

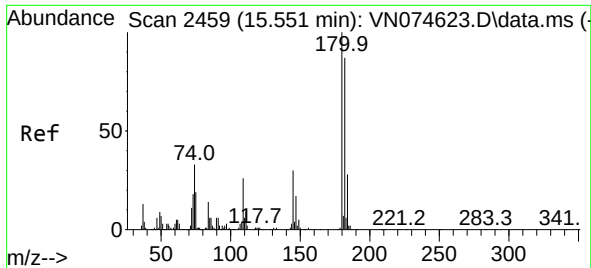
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	74.9	112.3
145	35.1	26.3	39.5



#91
Naphthalene
Concen: 0.475 ug/l
RT: 15.368 min Scan# 2428
Delta R.T. 0.006 min
Lab File: VN074633.D
Acq: 27 Sep 2022 17:41

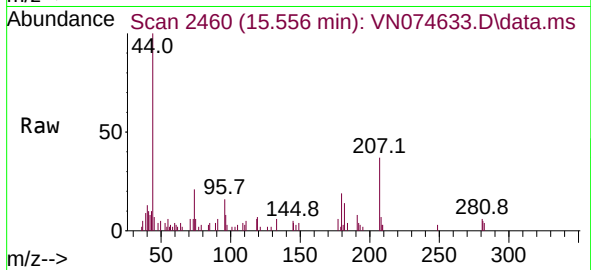
Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.8	10.7	16.1#
129	3.0	8.9	13.3#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.282 ug/l
 RT: 15.556 min Scan# 24
 Delta R.T. 0.006 min
 Lab File: VN074633.D
 Acq: 27 Sep 2022 17:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2153
Ion Ratio	Lower	Upper	
180	100		
182	91.9	0.0	185.4
145	35.1	0.0	68.6

