

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092722\
 Data File : VN074632.D
 Acq On : 27 Sep 2022 17:16
 Operator : JC\MD
 Sample : N4810-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 28 08:05:54 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)

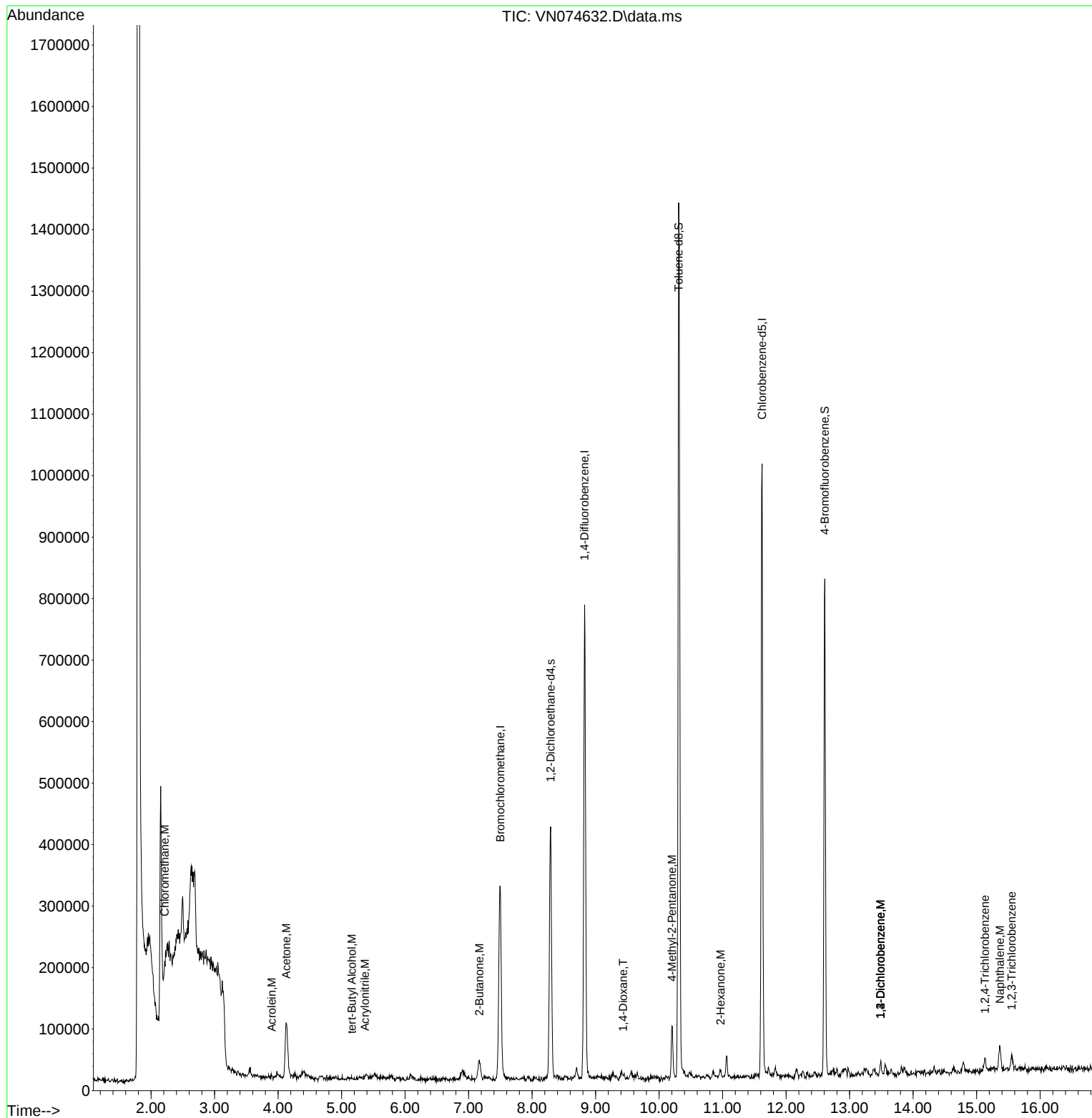
Internal Standards						
1) Bromochloromethane	7.498	128	109336	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.827	114	660230	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.621	117	540813	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.292	65	318817	30.925	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.100%	
60) 4-Bromofluorobenzene	12.610	95	255419	24.314	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 81.033%	
63) Toluene-d8	10.310	98	961633	31.524	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 105.067%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.216	50	6188	0.656	ug/l	97
13) Acrolein	3.898	56	2434	1.883	ug/l	84
14) Acrylonitrile	5.369	53	1982	0.308	ug/l	88
15) Acetone	4.128	58	29496	17.448	ug/l	92
23) tert-Butyl Alcohol	5.163	59	1299	0.490	ug/l #	95
30) 2-Butanone	7.169	43	49220	5.232	ug/l #	97
45) 1,4-Dioxane	9.433	88	161	0.638	ug/l #	1
58) 4-Methyl-2-Pentanone	10.204	43	63683	3.794	ug/l	98
59) 2-Hexanone	10.968	43	7085	0.545	ug/l #	83
83) 1,3-Dichlorobenzene	13.486	146	4158	0.230	ug/l	87
84) 1,4-Dichlorobenzene	13.486	146	4158	0.231	ug/l	90
87) 1,2-Dichlorobenzene	13.486	146	4158	0.224	ug/l	86
89) 1,2,4-Trichlorobenzene	15.133	180	4105	0.531	ug/l #	82
91) Naphthalene	15.368	128	37543	1.158	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.551	180	5996	0.774	ug/l	81

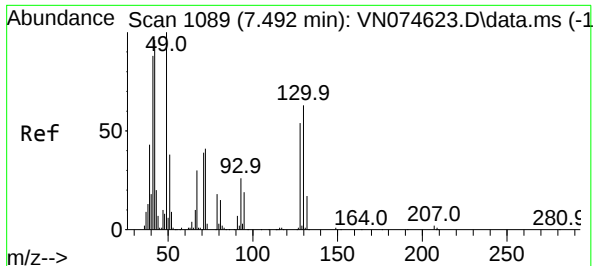
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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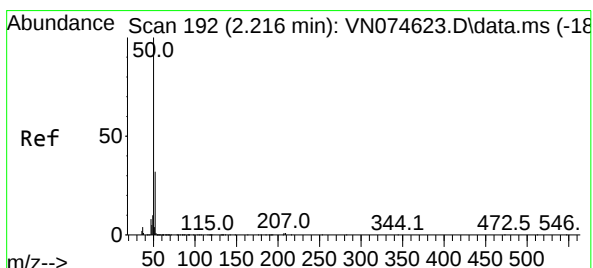
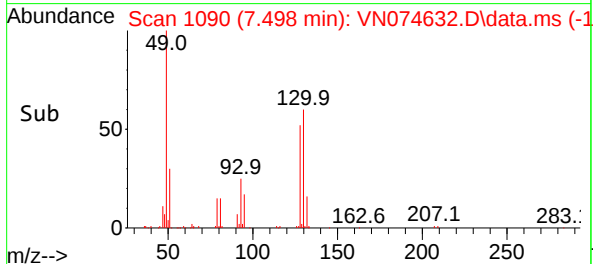
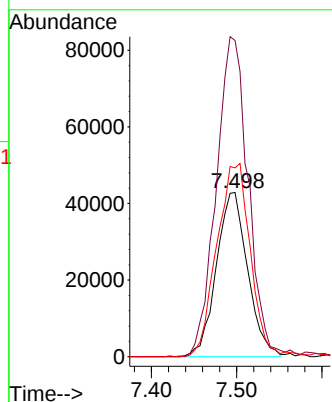
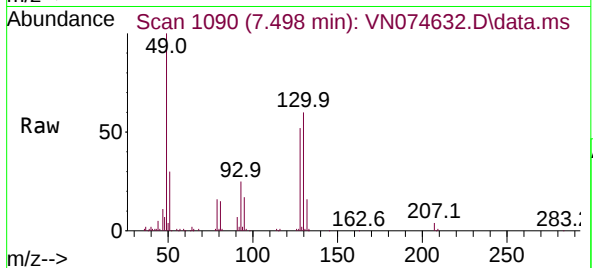




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.498 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

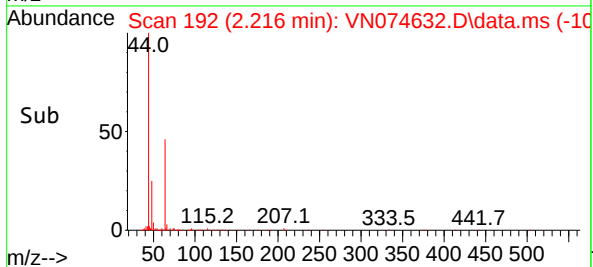
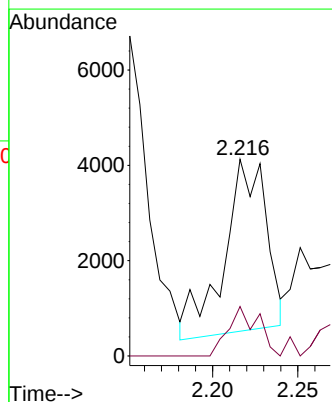
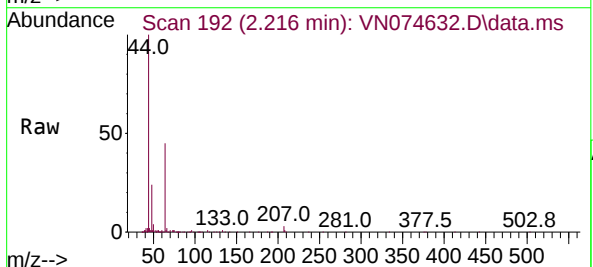
Instrument :
MSVOA_N
ClientSampleId :

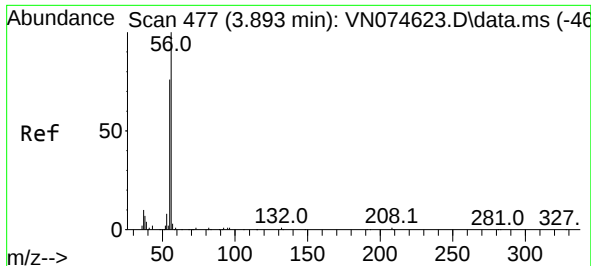
Tgt Ion:128 Resp: 109336
Ion Ratio Lower Upper
128 100
49 198.4 0.0 492.0
130 125.3 0.0 313.3



#3
Chloromethane
Concen: 0.656 ug/l
RT: 2.216 min Scan# 192
Delta R.T. -0.000 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

Tgt Ion: 50 Resp: 6188
Ion Ratio Lower Upper
50 100
52 30.4 25.5 38.3

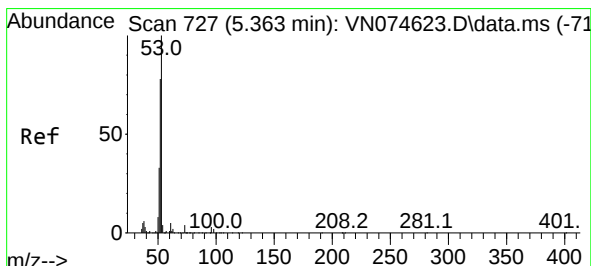
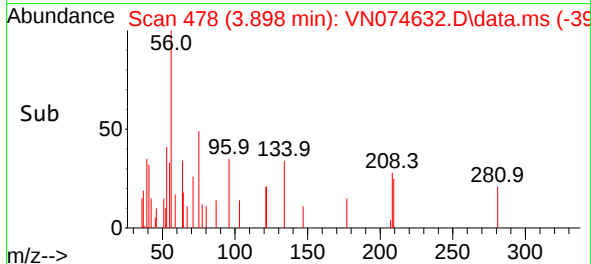
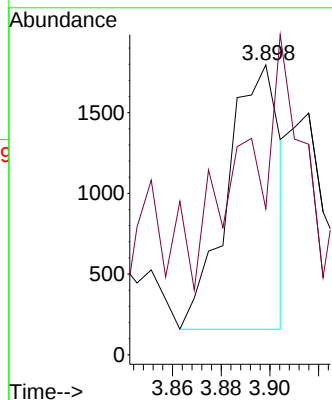
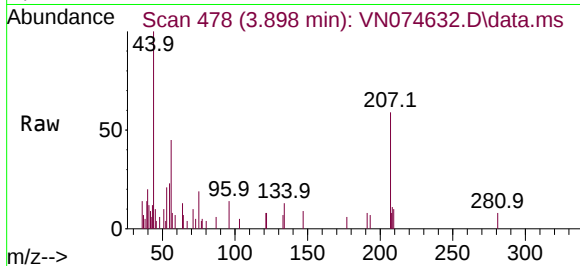




#13
Acrolein
Concen: 1.883 ug/l
RT: 3.898 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

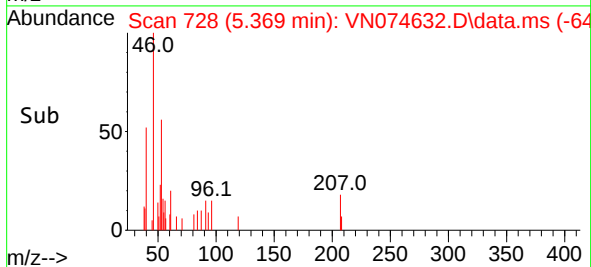
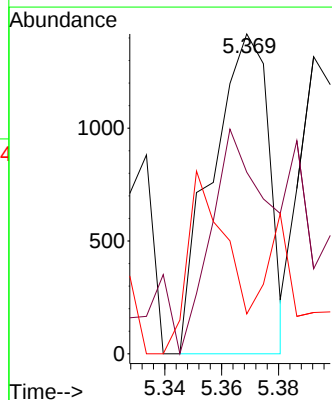
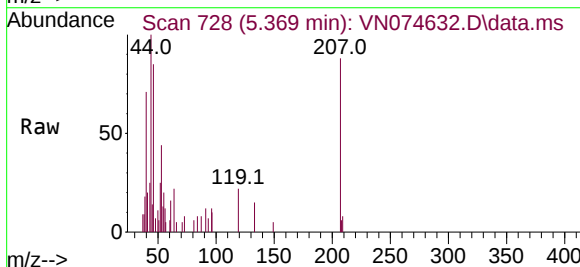
Instrument :
MSVOA_N
ClientSampleId :

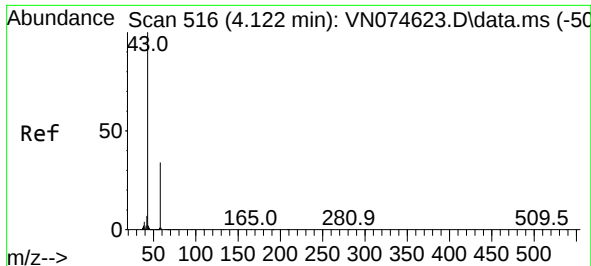
Tgt Ion: 56 Resp: 2434
Ion Ratio Lower Upper
56 100
55 83.2 56.2 84.2



#14
Acrylonitrile
Concen: 0.308 ug/l
RT: 5.369 min Scan# 728
Delta R.T. 0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

Tgt Ion: 53 Resp: 1982
Ion Ratio Lower Upper
53 100
52 70.6 40.8 122.4
51 39.6 17.0 51.0

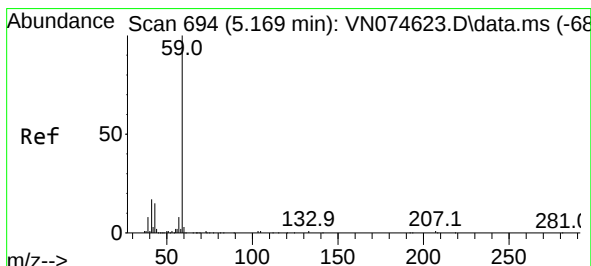
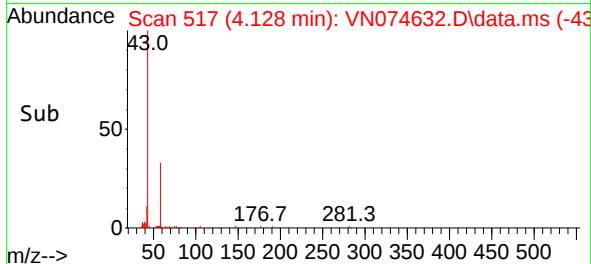
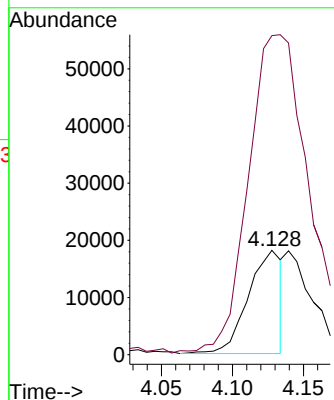
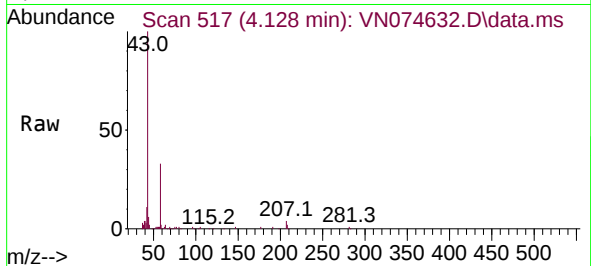




#15
Acetone
Concen: 17.448 ug/l
RT: 4.128 min Scan# 516
Delta R.T. 0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

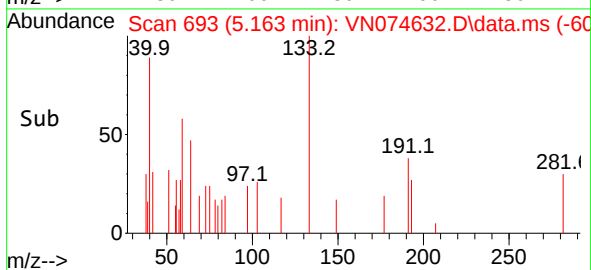
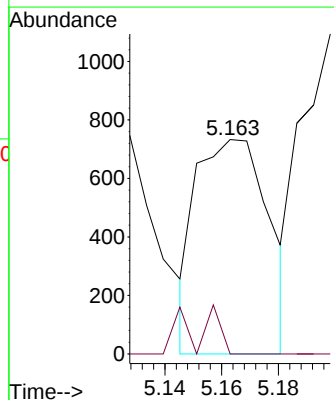
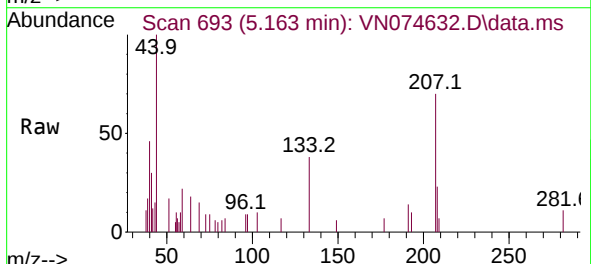
Instrument :
MSVOA_N
ClientSampleId :

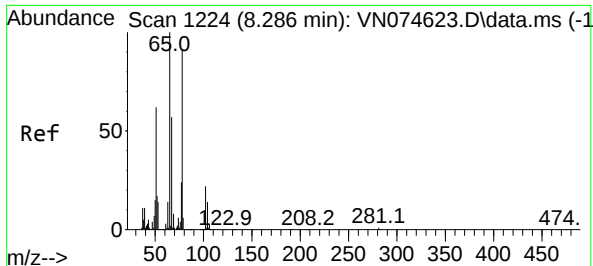
Tgt Ion: 58 Resp: 29496
Ion Ratio Lower Upper
58 100
43 305.2 232.2 348.4



#23
tert-Butyl Alcohol
Concen: 0.490 ug/l
RT: 5.163 min Scan# 693
Delta R.T. -0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

Tgt Ion: 59 Resp: 1299
Ion Ratio Lower Upper
59 100
52 4.5 0.2 0.4#





#27

1,2-Dichloroethane-d4

Concen: 30.925 ug/l

RT: 8.292 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074632.D

Acq: 27 Sep 2022 17:16

Instrument :

MSVOA_N

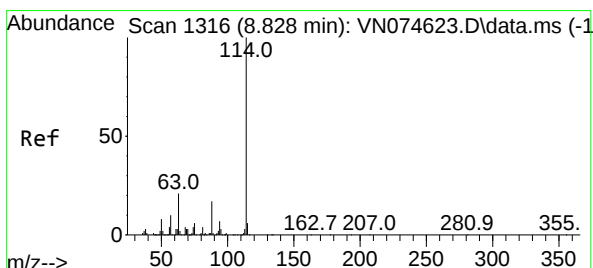
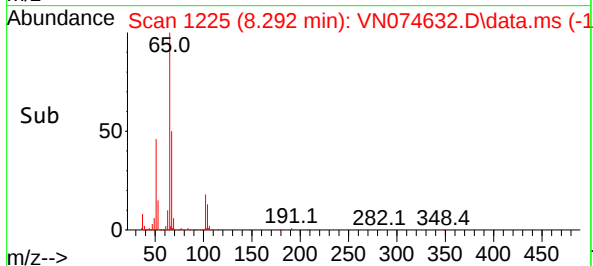
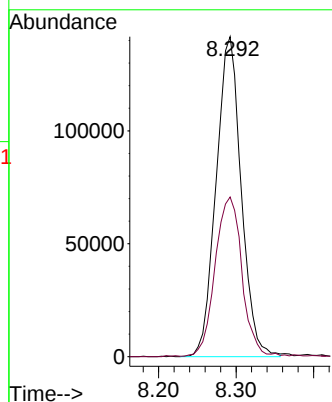
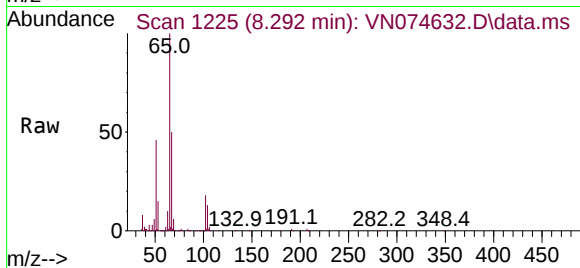
ClientSampleId :

Tgt Ion: 65 Resp: 318817

Ion Ratio Lower Upper

65 100

67 53.3 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: VN074632.D

Acq: 27 Sep 2022 17:16

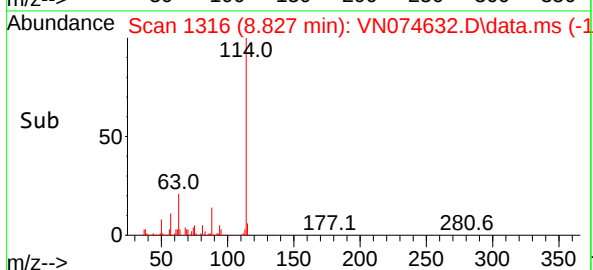
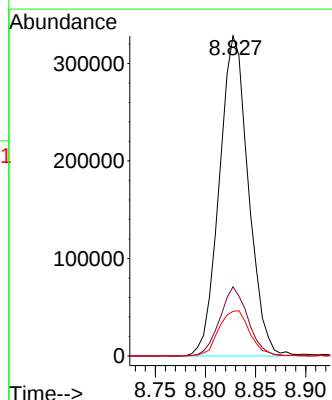
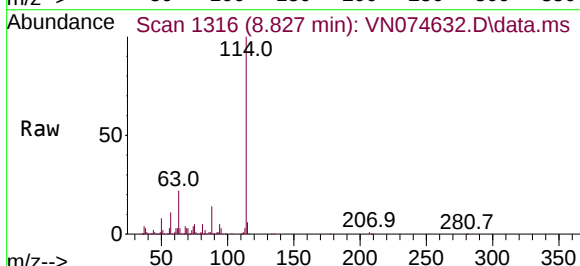
Tgt Ion:114 Resp: 660230

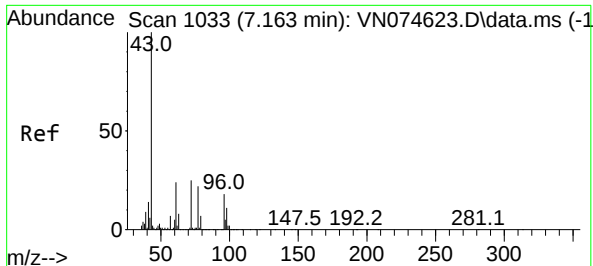
Ion Ratio Lower Upper

114 100

63 20.9 16.6 25.0

88 15.0 12.2 18.4





#30

2-Butanone

Concen: 5.232 ug/l

RT: 7.169 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN074632.D

Acq: 27 Sep 2022 17:16

Instrument :

MSVOA_N

ClientSampleId :

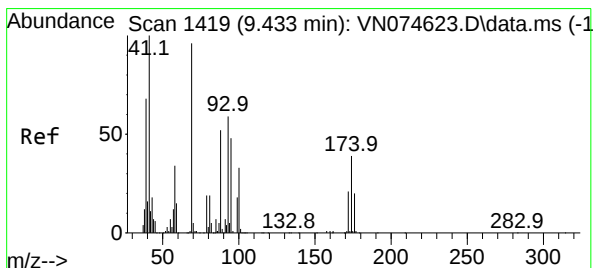
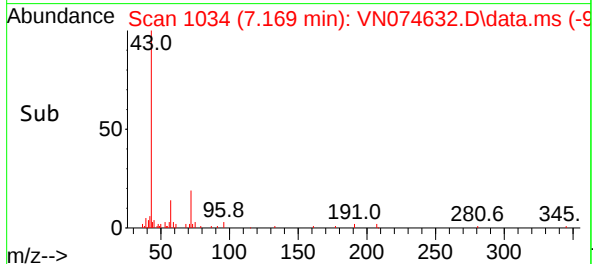
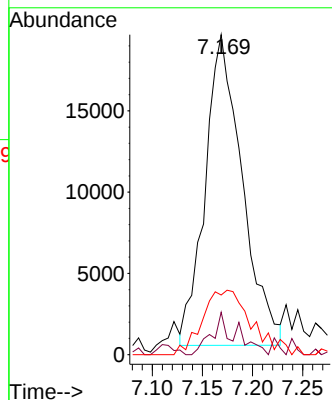
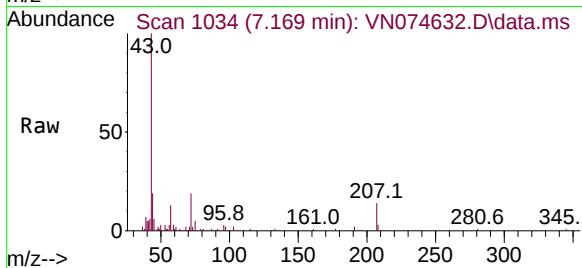
Tgt Ion: 43 Resp: 49220

Ion Ratio Lower Upper

43 100

57 3.2 6.3 9.5#

72 26.1 21.0 31.4



#45

1,4-Dioxane

Concen: 0.638 ug/l

RT: 9.433 min Scan# 1419

Delta R.T. -0.000 min

Lab File: VN074632.D

Acq: 27 Sep 2022 17:16

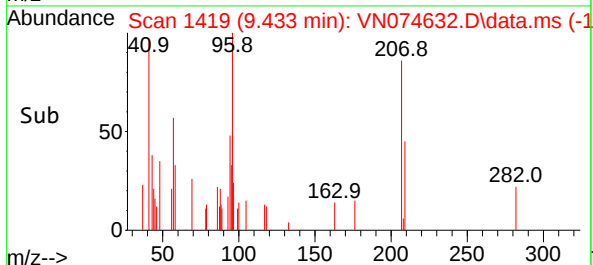
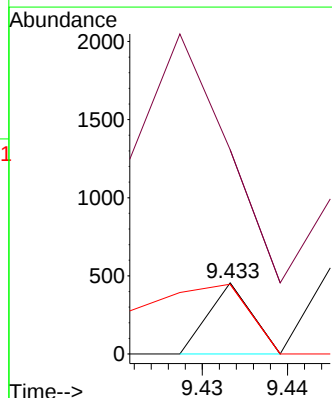
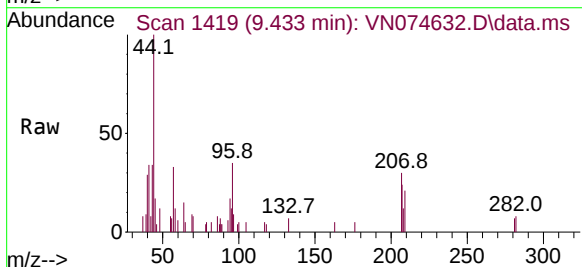
Tgt Ion: 88 Resp: 161

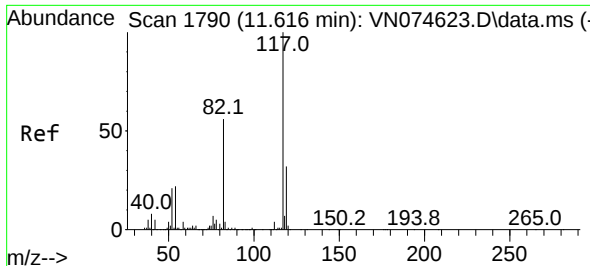
Ion Ratio Lower Upper

88 100

43 536.0 25.7 38.5#

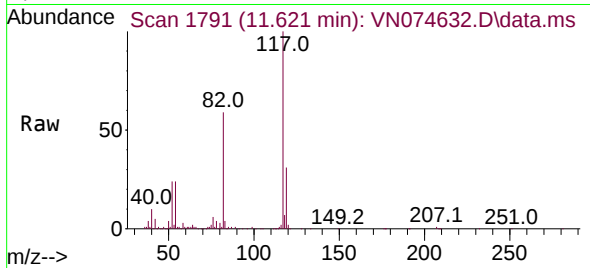
58 184.5 53.4 80.2#



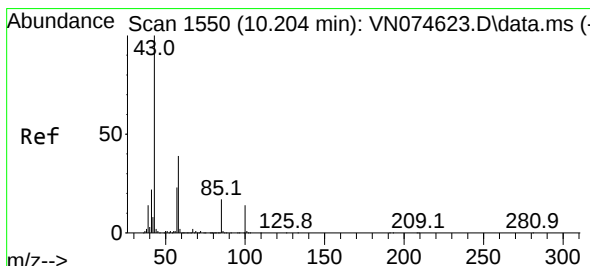
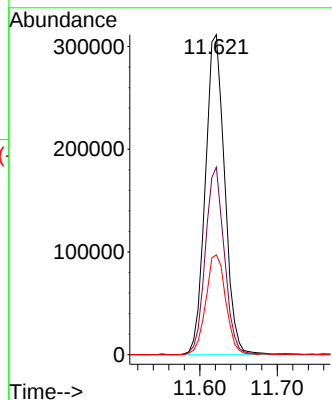
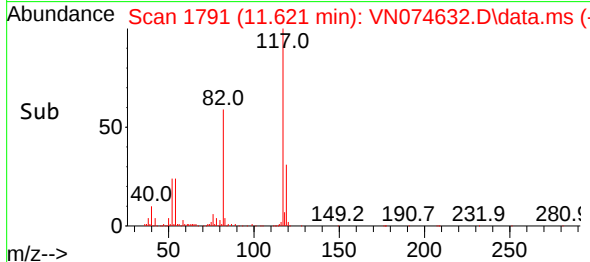


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.621 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

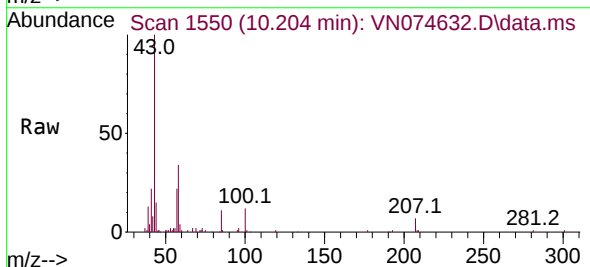
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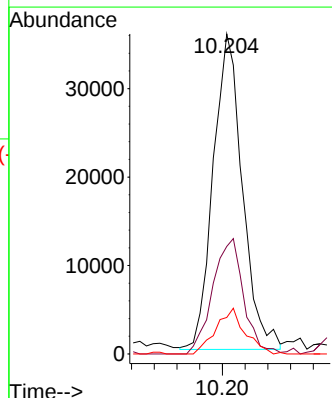
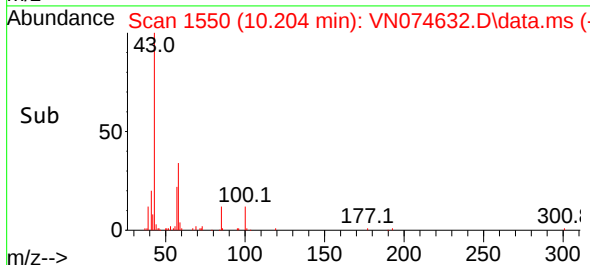
Tgt Ion:117 Resp: 540813
Ion Ratio Lower Upper
117 100
82 57.5 44.6 67.0
119 32.2 25.6 38.4

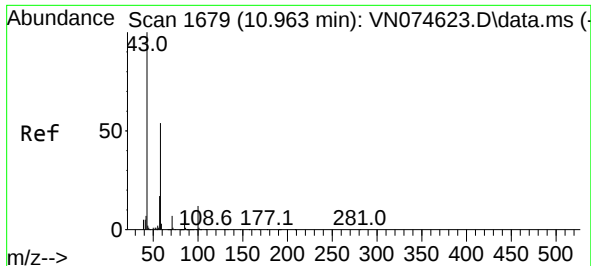


#58
4-Methyl-2-Pentanone
Concen: 3.794 ug/l
RT: 10.204 min Scan# 1550
Delta R.T. -0.000 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16



Tgt Ion: 43 Resp: 63683
Ion Ratio Lower Upper
43 100
58 38.2 30.8 46.2
85 14.3 13.3 19.9

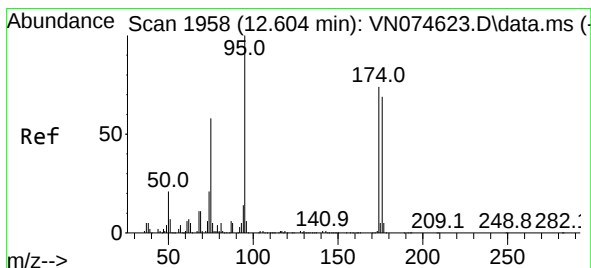
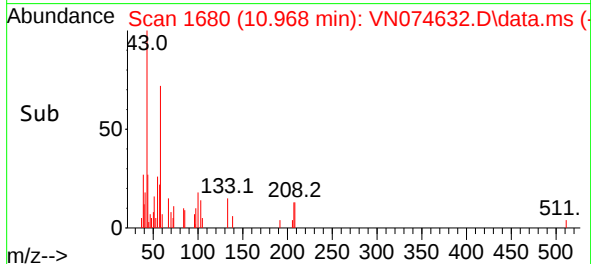
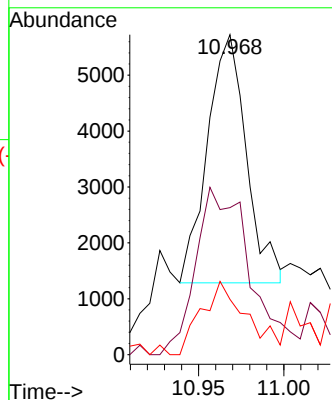
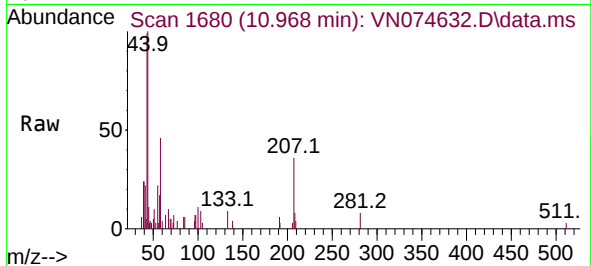




#59
2-Hexanone
Concen: 0.545 ug/l
RT: 10.968 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

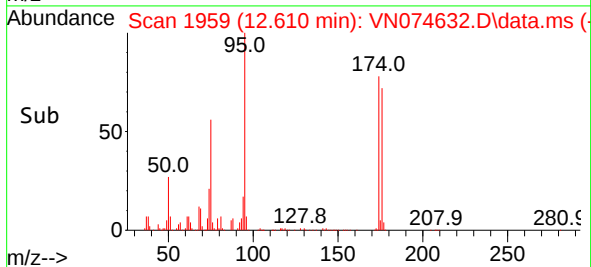
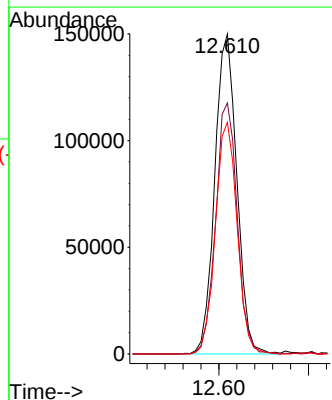
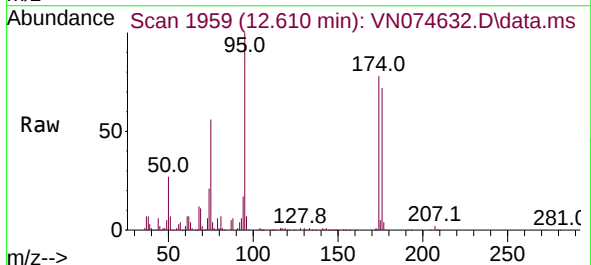
Instrument :
MSVOA_N
ClientSampleId :

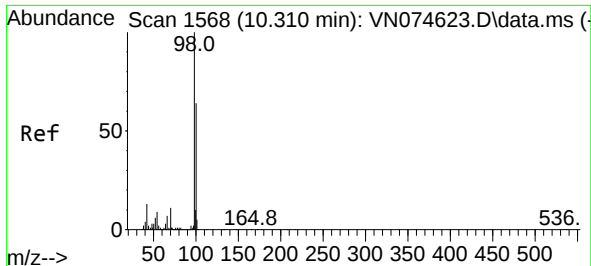
Tgt Ion: 43 Resp: 7085
Ion Ratio Lower Upper
43 100
58 46.7 43.6 65.4
57 34.3 14.3 21.5#



#60
4-Bromofluorobenzene
Concen: 24.314 ug/l
RT: 12.610 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

Tgt Ion: 95 Resp: 255419
Ion Ratio Lower Upper
95 100
174 76.5 57.8 86.8
176 71.5 57.0 85.4

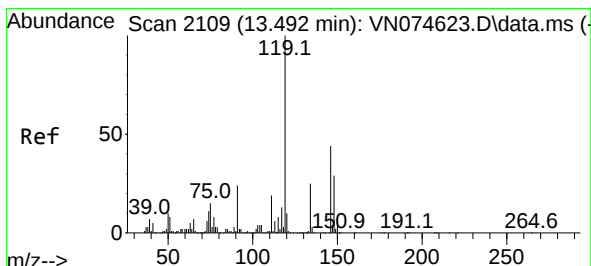
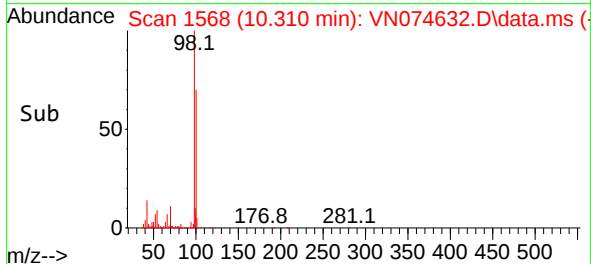
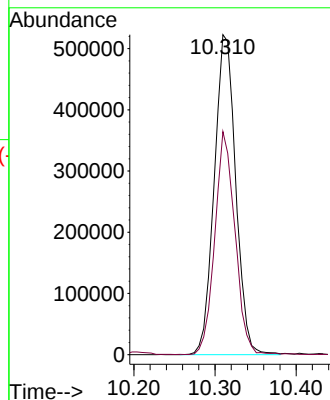
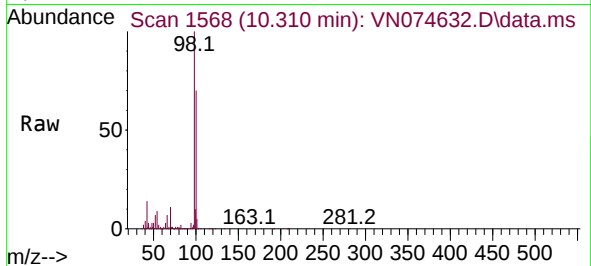




#63
Toluene-d8
Concen: 31.524 ug/l
RT: 10.310 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

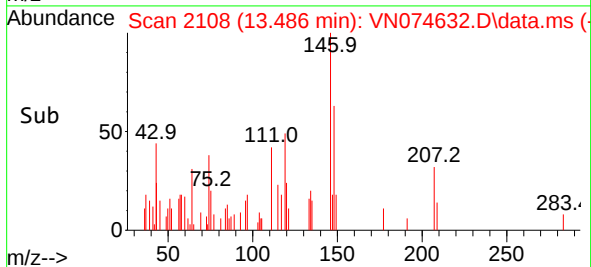
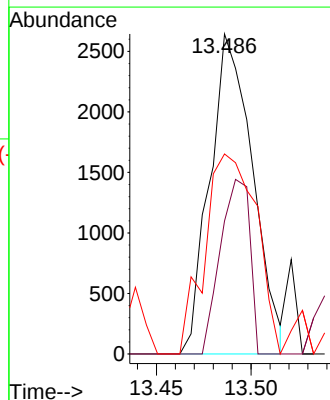
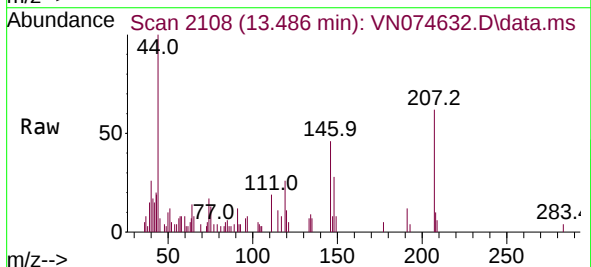
Instrument :
MSVOA_N
ClientSampleId :

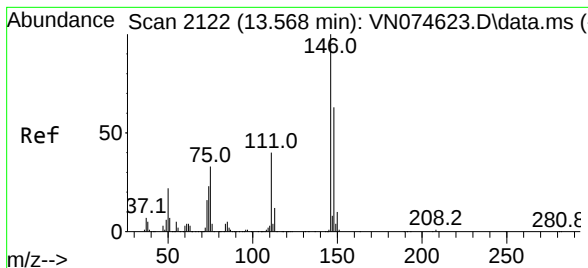
Tgt Ion: 98 Resp: 961633
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#83
1,3-Dichlorobenzene
Concen: 0.230 ug/l
RT: 13.486 min Scan# 2108
Delta R.T. -0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

Tgt Ion:146 Resp: 4158
Ion Ratio Lower Upper
146 100
111 37.5 20.5 61.5
148 75.4 31.0 93.0





#84

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 13.486 min Scan# 2108

Delta R.T. -0.083 min

Lab File: VN074632.D

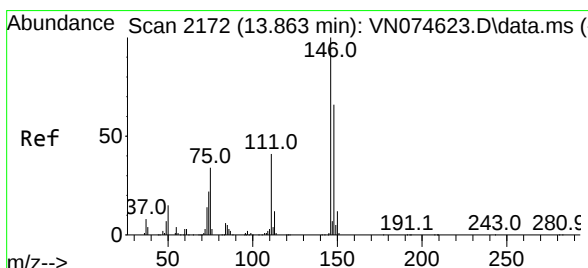
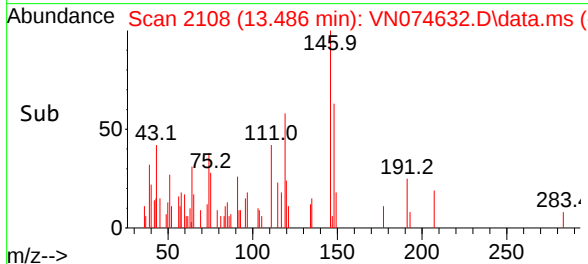
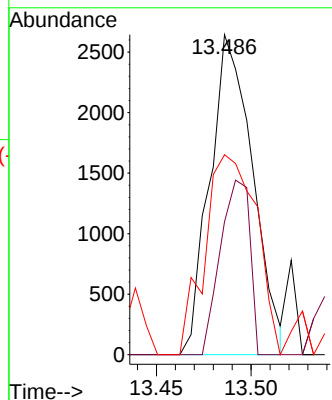
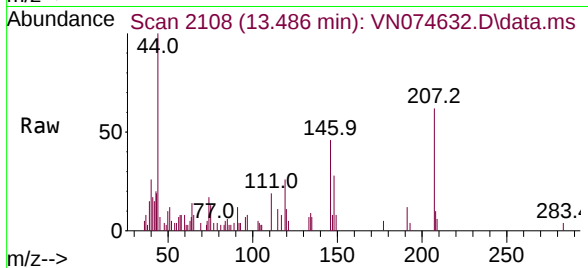
Acq: 27 Sep 2022 17:16

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:146	Resp:	4158
Ion Ratio	Lower	Upper
146	100	
111	37.5	19.1 57.5
148	75.4	31.7 95.1



#87

1,2-Dichlorobenzene

Concen: 0.224 ug/l

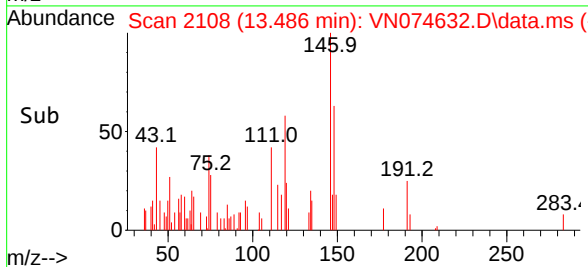
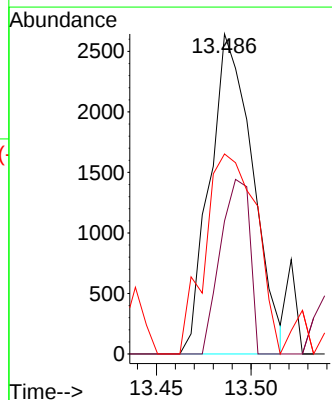
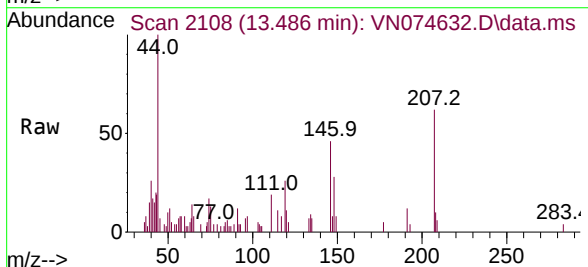
RT: 13.486 min Scan# 2108

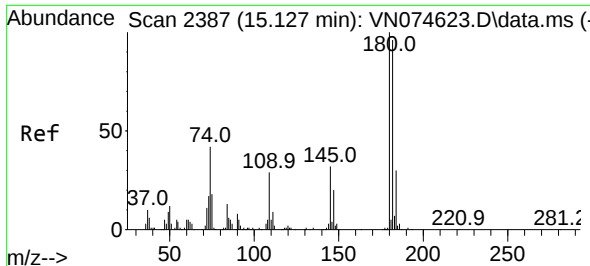
Delta R.T. -0.377 min

Lab File: VN074632.D

Acq: 27 Sep 2022 17:16

Tgt Ion:146	Resp:	4158
Ion Ratio	Lower	Upper
146	100	
111	37.5	21.4 64.2
148	75.4	30.6 92.0

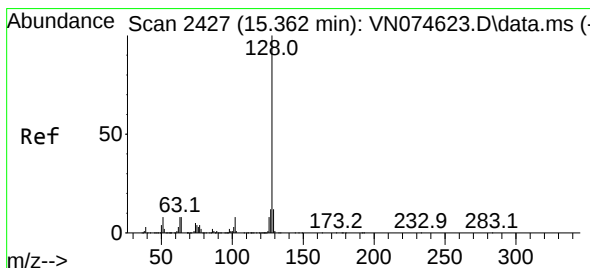
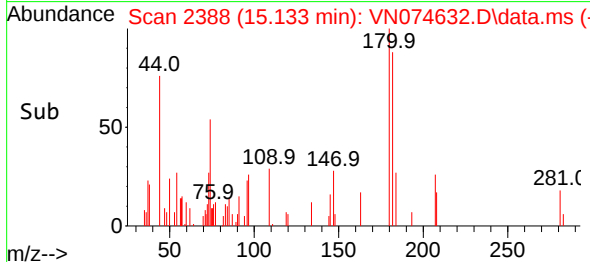
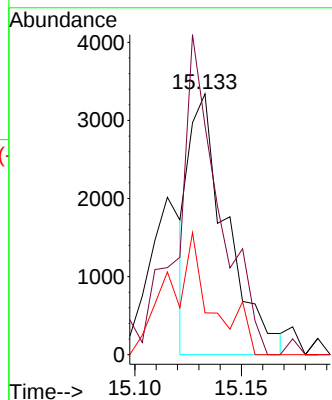
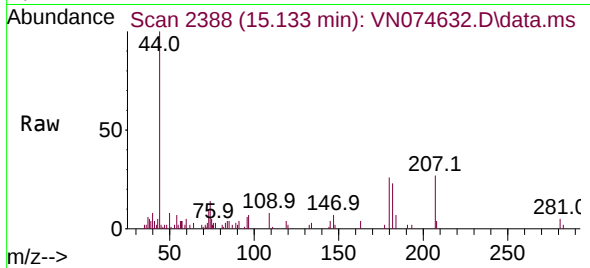




#89
1,2,4-Trichlorobenzene
Concen: 0.531 ug/l
RT: 15.133 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

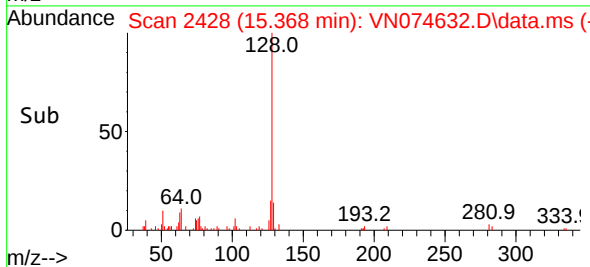
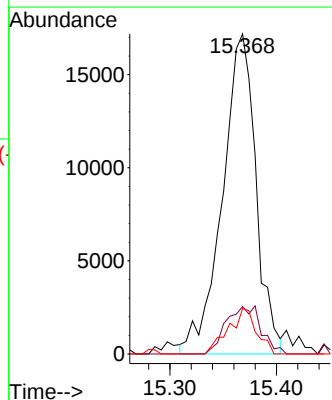
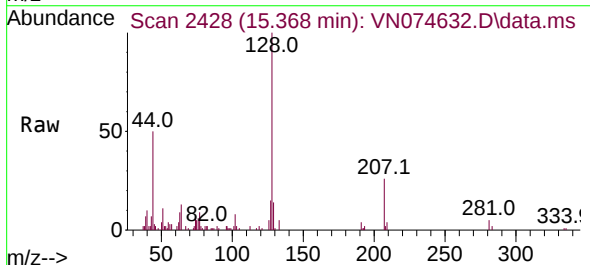
Instrument :
MSVOA_N
ClientSampleId :

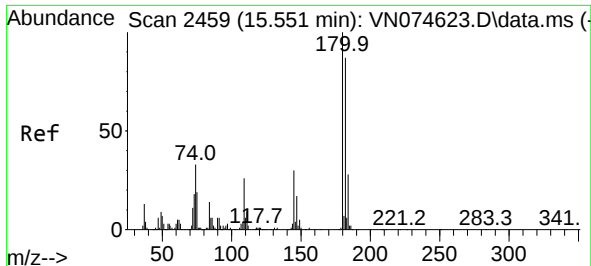
Tgt Ion:180 Resp: 4105
Ion Ratio Lower Upper
180 100
182 112.4 74.9 112.3#
145 25.4 26.3 39.5#



#91
Naphthalene
Concen: 1.158 ug/l
RT: 15.368 min Scan# 2428
Delta R.T. 0.006 min
Lab File: VN074632.D
Acq: 27 Sep 2022 17:16

Tgt Ion:128 Resp: 37543
Ion Ratio Lower Upper
128 100
127 10.7 10.7 16.1#
129 12.0 8.9 13.3





#92

1,2,3-Trichlorobenzene

Concen: 0.774 ug/l

RT: 15.551 min Scan# 24

Delta R.T. -0.000 min

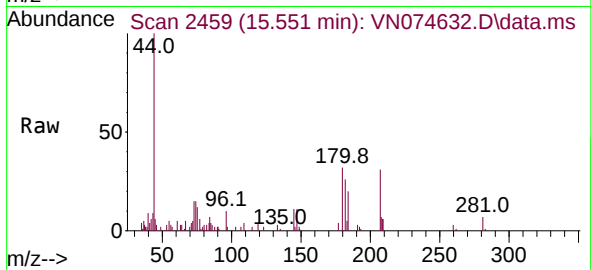
Lab File: VN074632.D

Acq: 27 Sep 2022 17:16

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 5996

Ion Ratio Lower Upper

180 100

182 114.1 0.0 185.4

145 39.0 0.0 68.6

