

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062922\
 Data File : VN073231.D
 Acq On : 29 Jun 2022 09:07
 Operator : JC\MD
 Sample : VN0629MBL01
 Misc : 5.00G/5.00mL/100uL/5.0mL/MSVOA_N/MeOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629MBL01

Quant Time: Jun 29 15:39:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

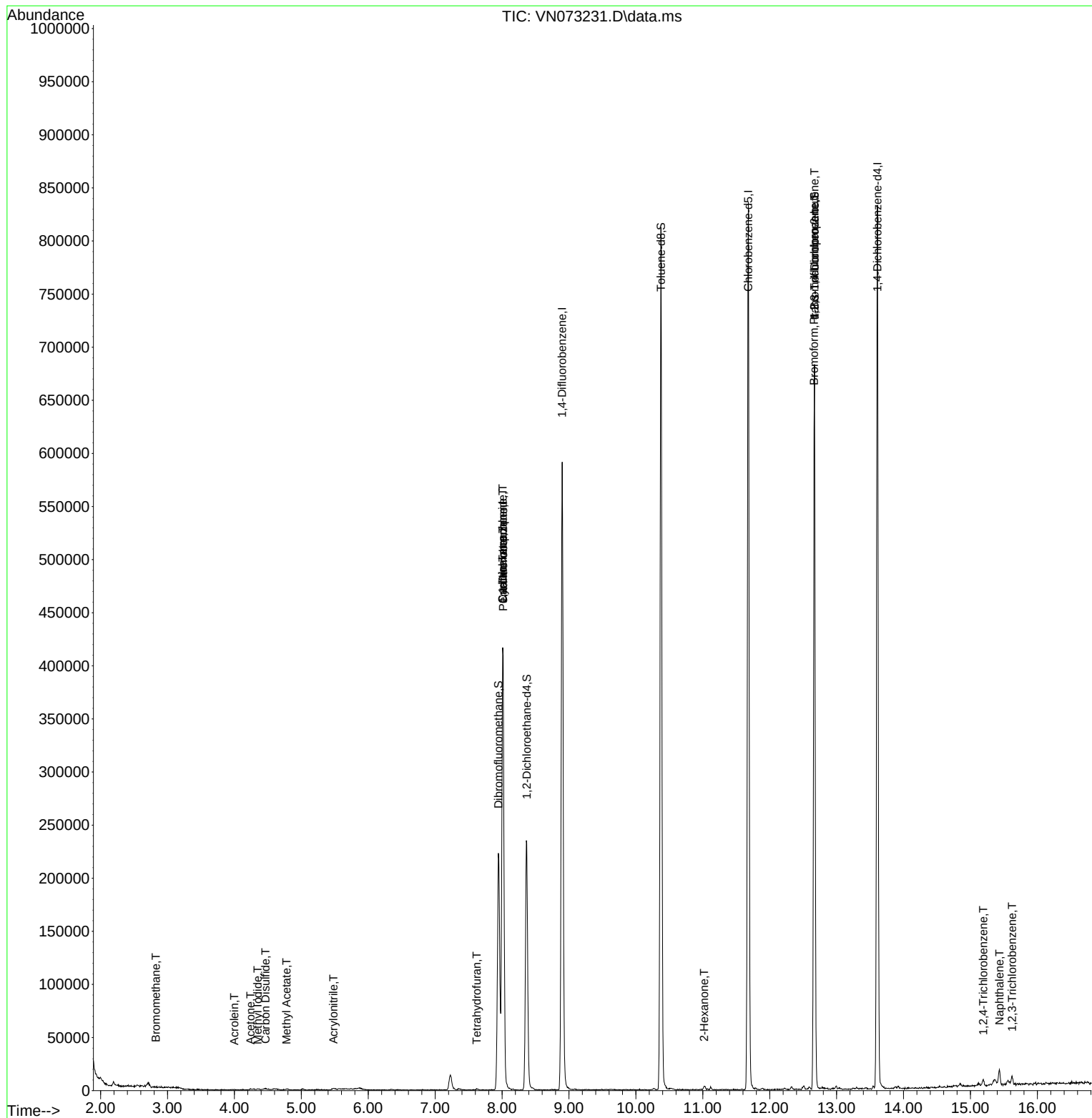
Internal Standards						
1) Pentafluorobenzene	8.016	168	312341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	516462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	475345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	219561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	197385	43.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.560%		
35) Dibromofluoromethane	7.945	113	165428	48.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.280%		
50) Toluene-d8	10.374	98	542552	44.457	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.920%		
62) 4-Bromofluorobenzene	12.668	95	233856	49.864	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.720%		
Target Compounds						Qvalue
5) Bromomethane	2.828	94	623	0.350	ug/l #	41
10) Methyl Iodide	4.345	142	680	3.854	ug/l #	65
13) Acrolein	3.998	56	371	0.537	ug/l #	59
15) Acrylonitrile	5.481	53	1387	0.493	ug/l #	72
16) Acetone	4.240	43	1650	0.652	ug/l #	55
17) Carbon Disulfide	4.463	76	1960	0.206	ug/l #	75
18) Methyl Acetate	4.781	43	2132	0.301	ug/l #	62
29) Tetrahydrofuran	7.622	42	865	0.314	ug/l #	58
31) Cyclohexane	8.010	56	7699	1.043	ug/l #	19
36) 1,1-Dichloropropene	8.010	75	25239	4.774	ug/l #	49
38) Carbon Tetrachloride	8.010	117	33025	6.040	ug/l #	16
59) 2-Hexanone	11.021	43	3218	0.580	ug/l	69
71) Bromoform	12.663	173	1838	0.635	ug/l #	1
76) 1,2,3-Trichloropropane	12.668	75	122418	21.323	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	122418	58.478	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.192	180	2001	0.477	ug/l	88
95) Naphthalene	15.433	128	12949	0.765	ug/l	97
96) 1,2,3-Trichlorobenzene	15.621	180	2659	0.615	ug/l	93

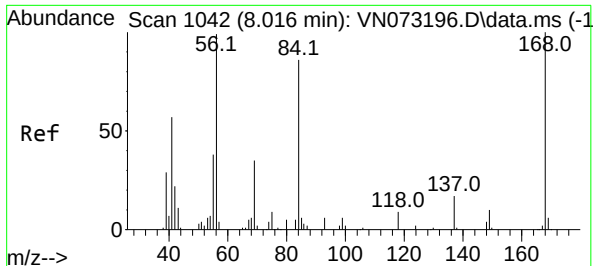
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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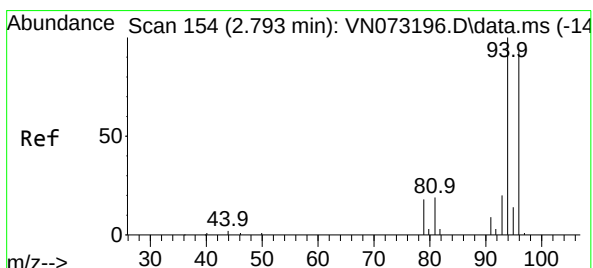
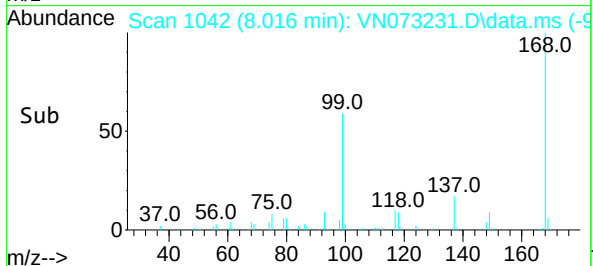
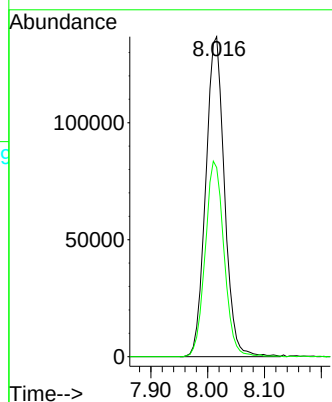
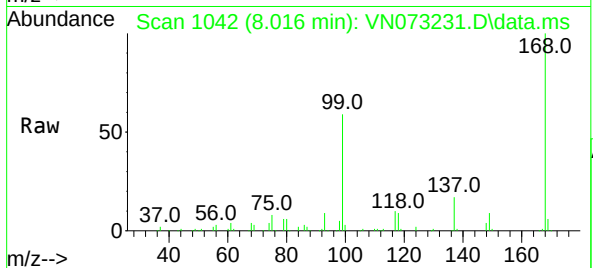




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

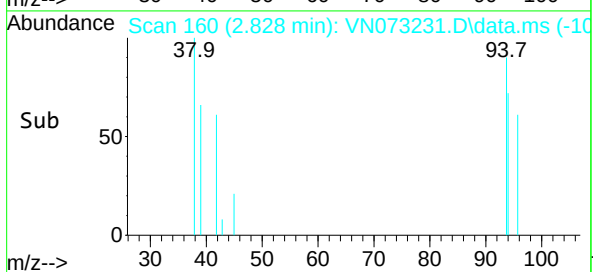
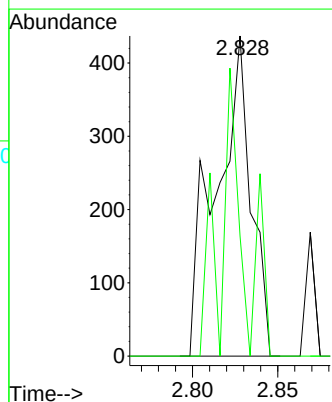
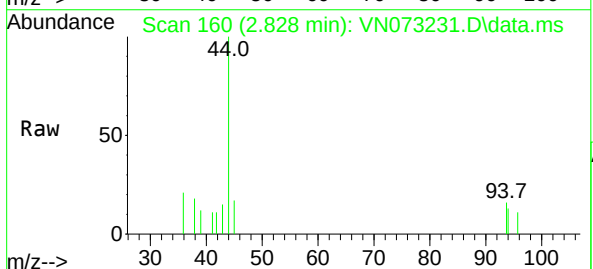
Instrument :
MSVOA_N
ClientSampleId :
VN0629MBL01

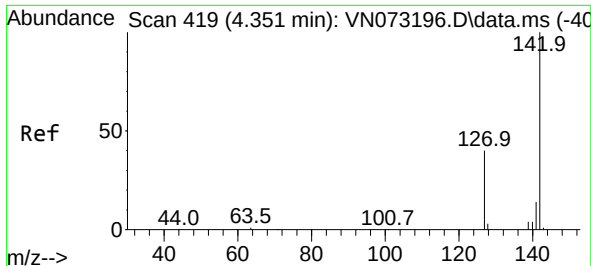
Tgt Ion:168 Resp: 312341
Ion Ratio Lower Upper
168 100
99 59.1 42.3 63.5



#5
Bromomethane
Concen: 0.350 ug/l
RT: 2.828 min Scan# 160
Delta R.T. 0.035 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

Tgt Ion: 94 Resp: 623
Ion Ratio Lower Upper
94 100
96 37.5 76.0 114.0#

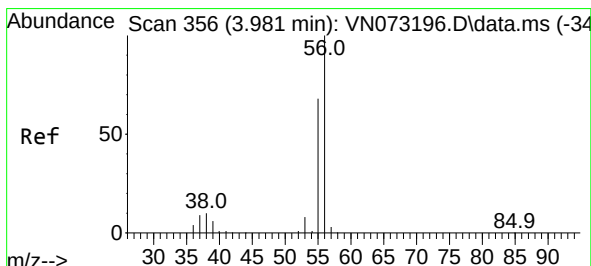
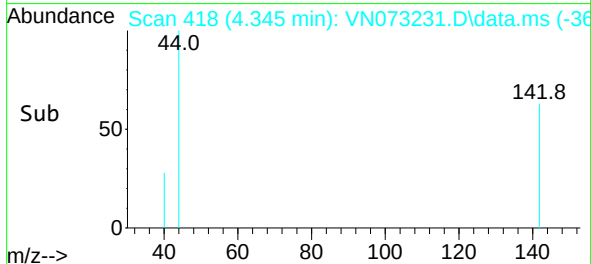
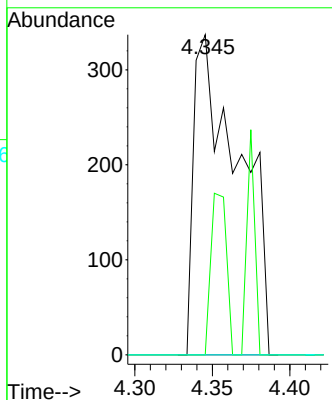
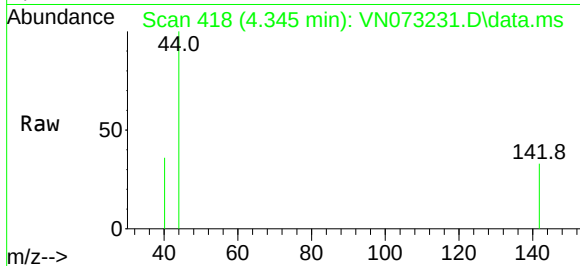




#10
Methyl Iodide
Concen: 3.854 ug/l
RT: 4.345 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

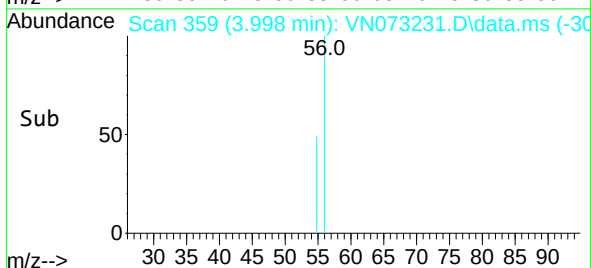
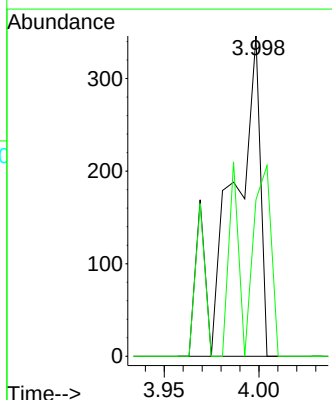
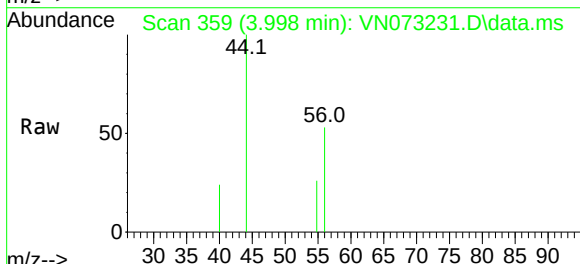
Instrument :
MSVOA_N
ClientSampleId :
VN0629MBL01

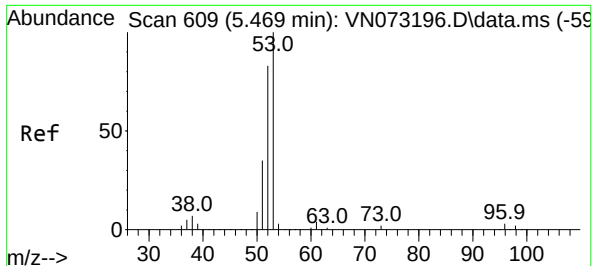
Tgt Ion:142 Resp: 680
Ion Ratio Lower Upper
142 100
127 17.5 31.3 46.9#
141 0.0 11.2 16.8#



#13
Acrolein
Concen: 0.537 ug/l
RT: 3.998 min Scan# 359
Delta R.T. 0.017 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

Tgt Ion: 56 Resp: 371
Ion Ratio Lower Upper
56 100
55 35.6 54.8 82.2#

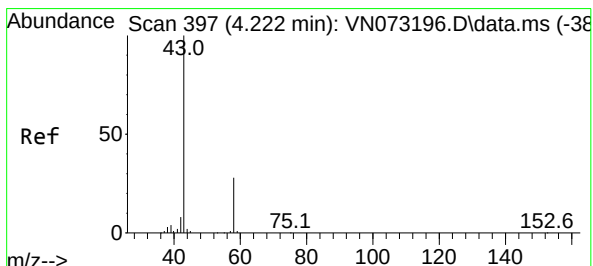
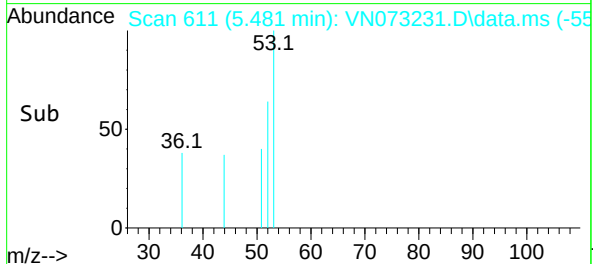
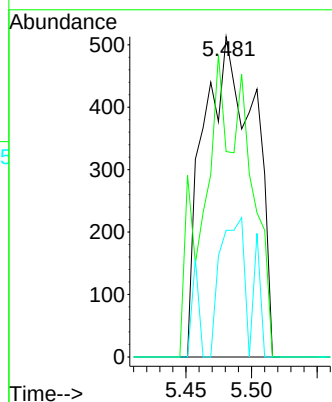
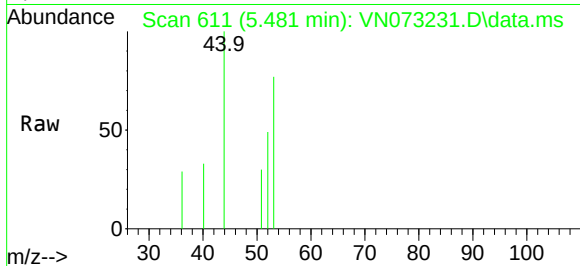




#15
Acrylonitrile
Concen: 0.493 ug/l
RT: 5.481 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

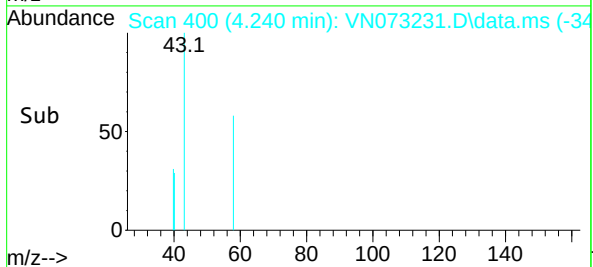
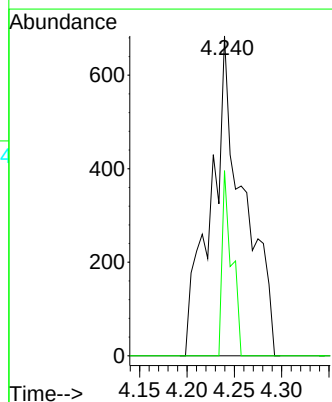
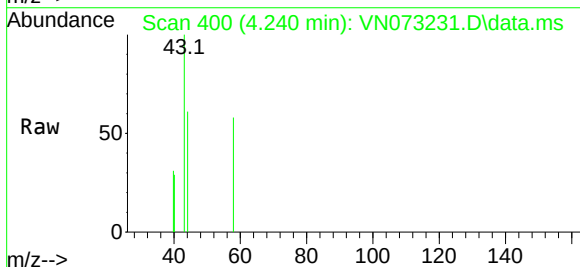
Instrument :
MSVOA_N
ClientSampleId :
VN0629MBL01

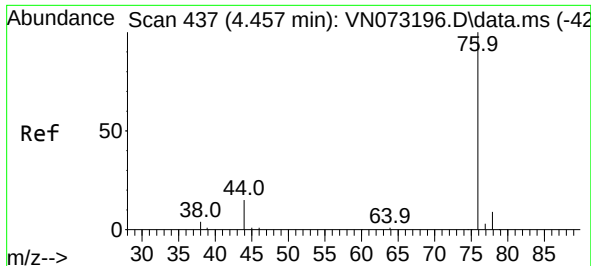
Tgt Ion: 53 Resp: 1387
Ion Ratio Lower Upper
53 100
52 53.5 66.4 99.6#
51 25.2 28.5 42.7#



#16
Acetone
Concen: 0.652 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

Tgt Ion: 43 Resp: 1650
Ion Ratio Lower Upper
43 100
58 57.9 26.0 39.0#

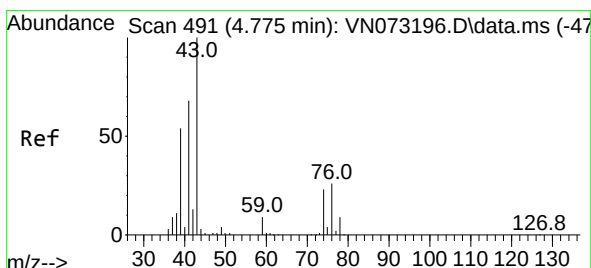
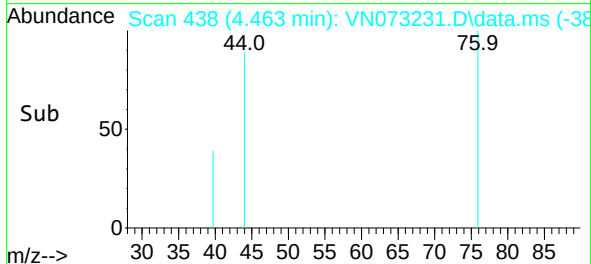
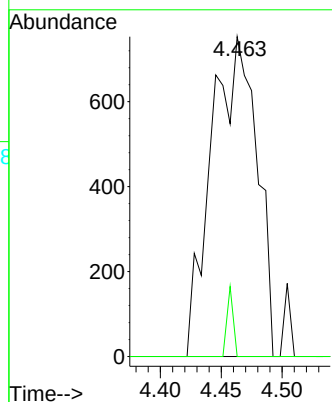
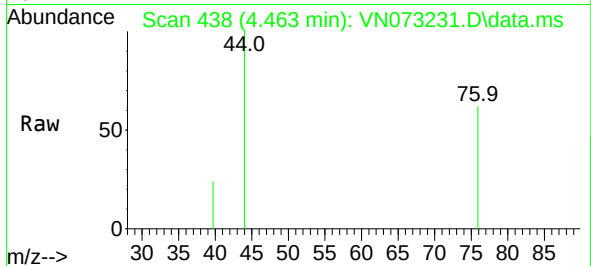




#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 4.463 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

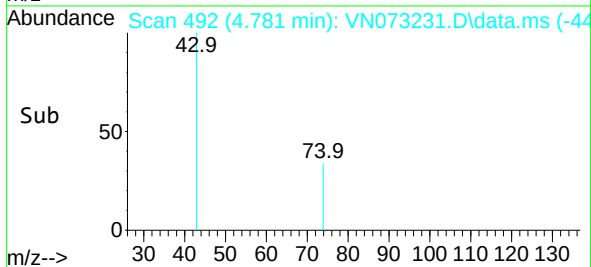
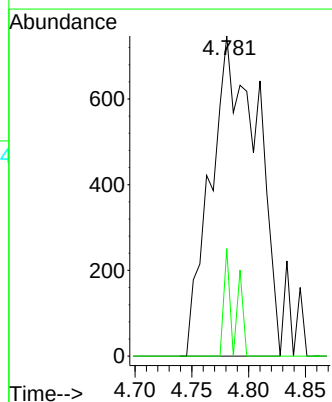
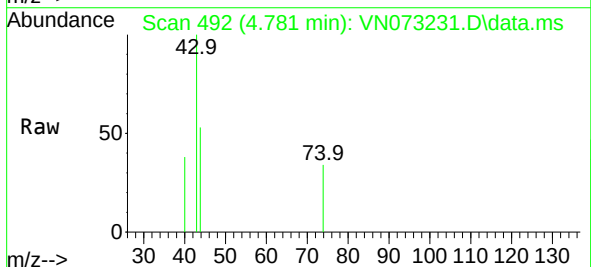
Instrument :
MSVOA_N
ClientSampleId :
VN0629MBL01

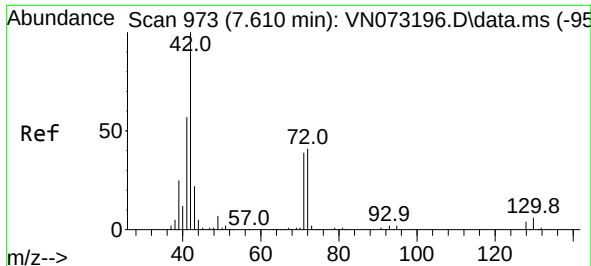
Tgt Ion: 76 Resp: 1960
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.301 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
74 7.5 21.6 32.4#





#29

Tetrahydrofuran

Concen: 0.314 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073231.D

Acq: 29 Jun 2022 09:07

Instrument :

MSVOA_N

ClientSampleId :

VN0629MBL01

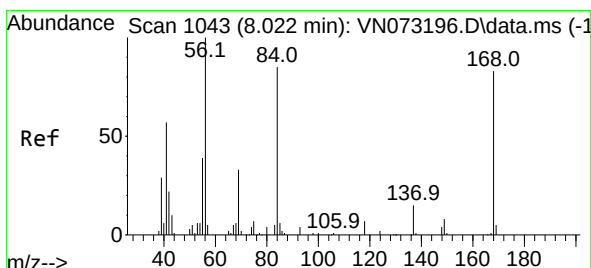
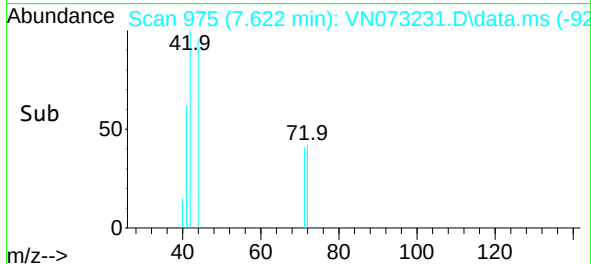
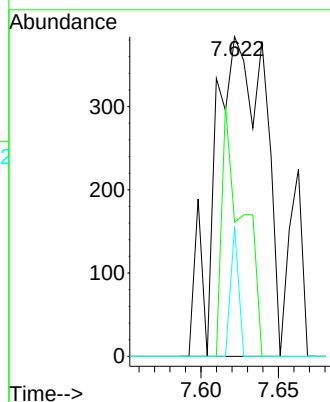
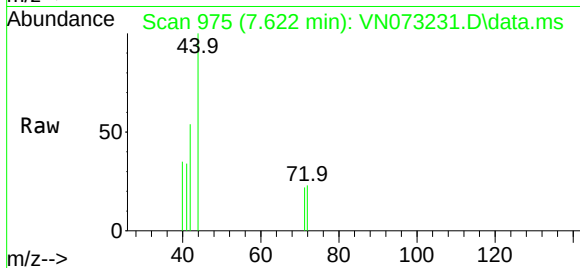
Tgt Ion: 42 Resp: 865

Ion Ratio Lower Upper

42 100

72 32.7 39.7 59.5#

71 6.4 36.6 55.0#



#31

Cyclohexane

Concen: 1.043 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073231.D

Acq: 29 Jun 2022 09:07

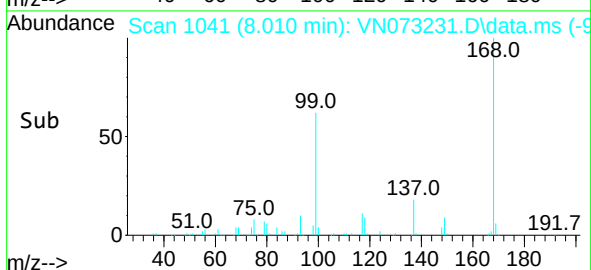
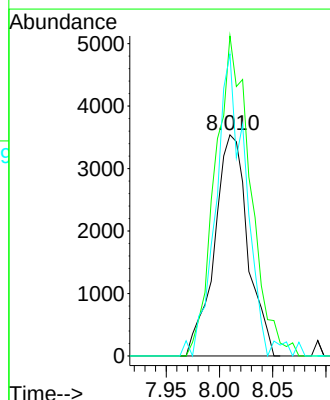
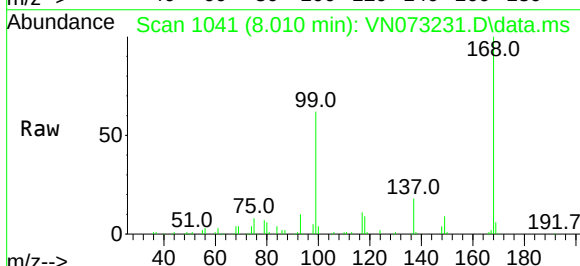
Tgt Ion: 56 Resp: 7699

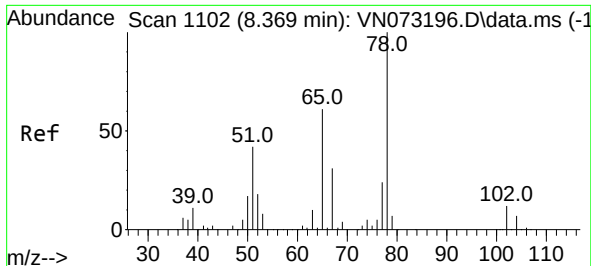
Ion Ratio Lower Upper

56 100

69 144.8 27.8 41.8#

84 136.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 43.776 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073231.D

Acq: 29 Jun 2022 09:07

Instrument :

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ClientSampleId :

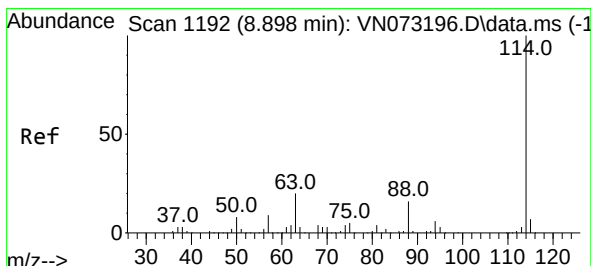
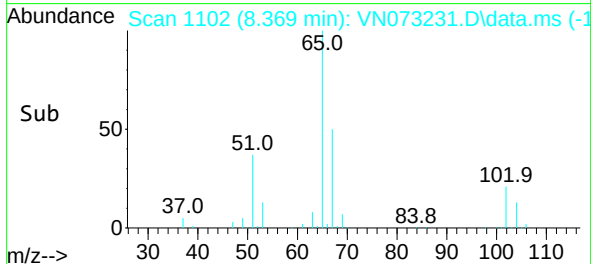
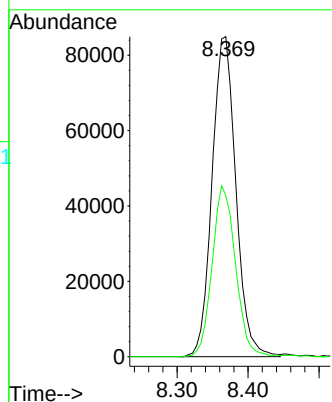
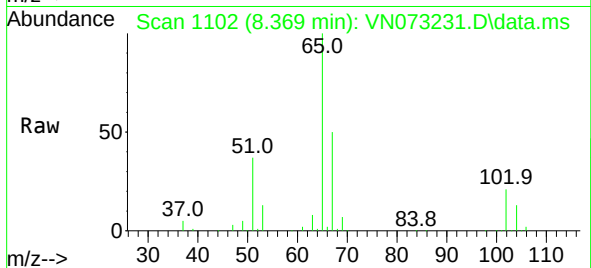
VN0629MBL01

Tgt Ion: 65 Resp: 197385

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN073231.D

Acq: 29 Jun 2022 09:07

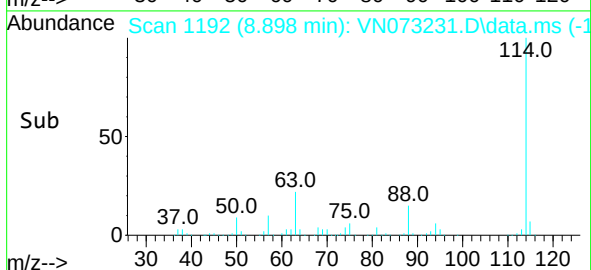
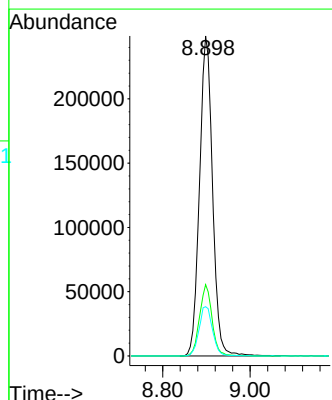
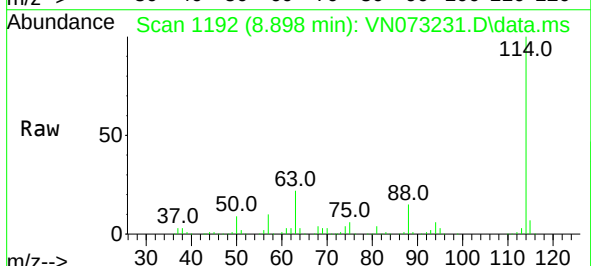
Tgt Ion: 114 Resp: 516462

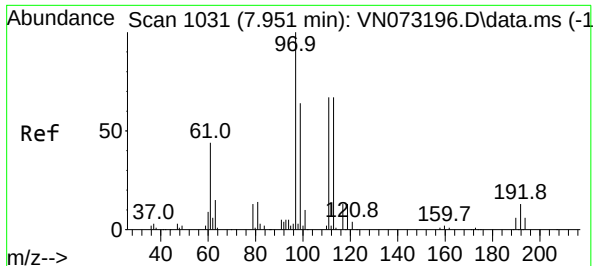
Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.0

88 15.4 0.0 32.6

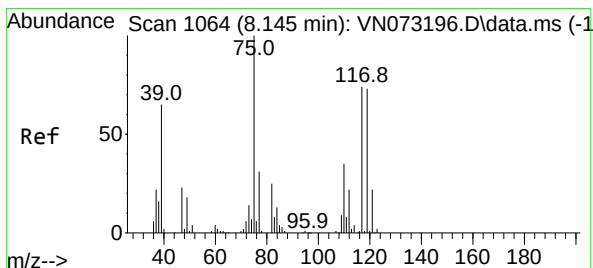
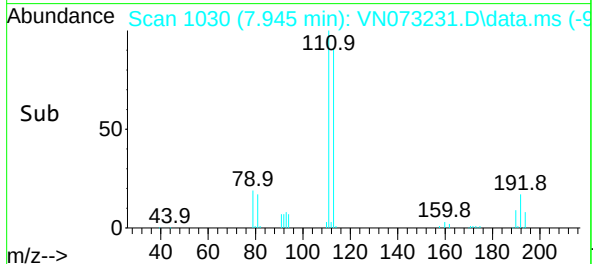
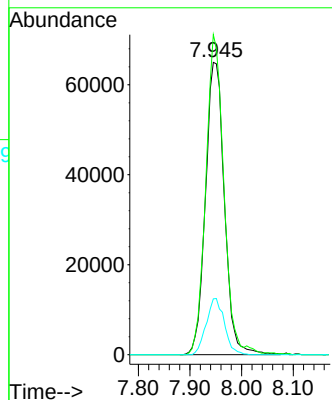
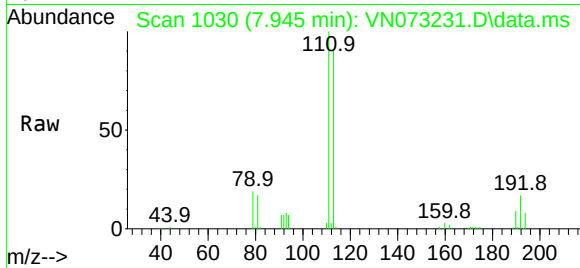




#35
Dibromofluoromethane
Concen: 48.144 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

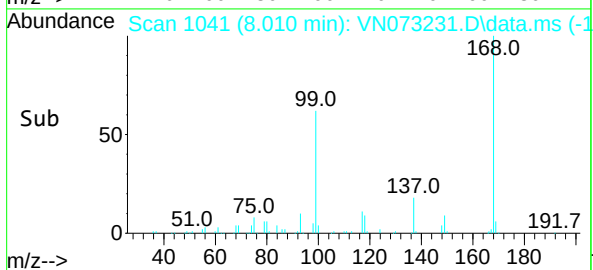
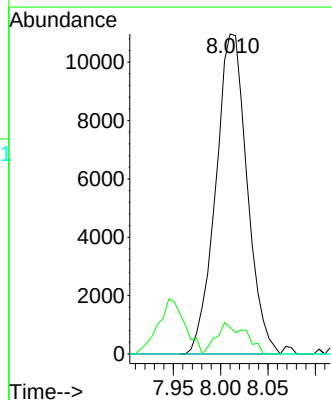
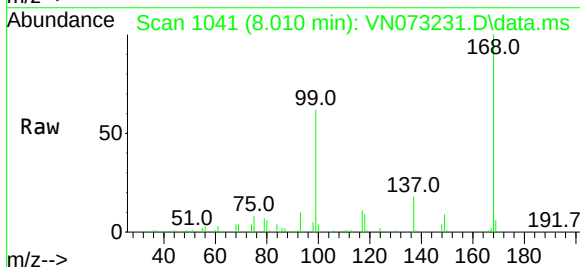
Instrument :
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VN0629MBL01

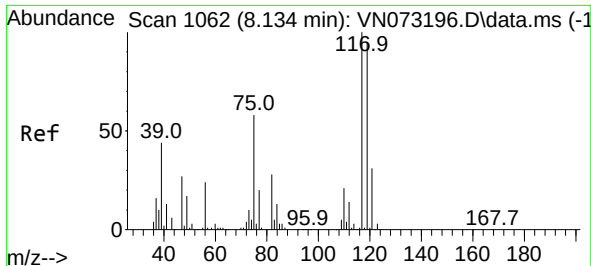
Tgt Ion:113 Resp: 165428
Ion Ratio Lower Upper
113 100
111 104.7 81.4 122.0
192 18.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.774 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.135 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

Tgt Ion: 75 Resp: 25239
Ion Ratio Lower Upper
75 100
110 9.0 18.3 54.8#
77 0.0 25.1 37.7#

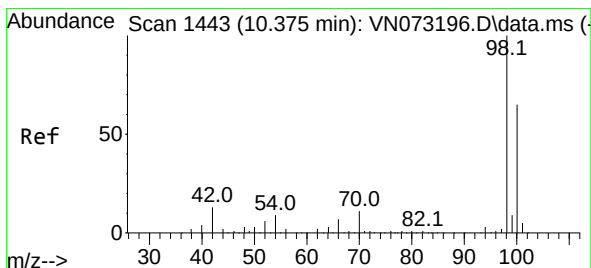
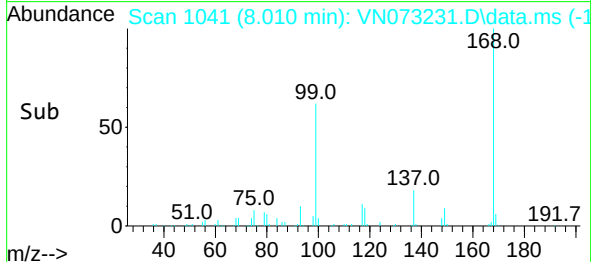
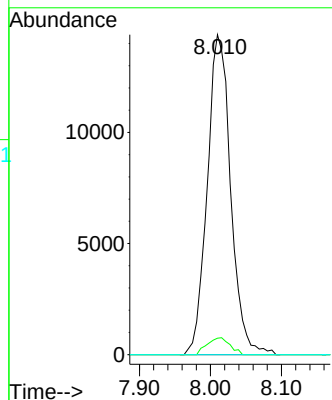
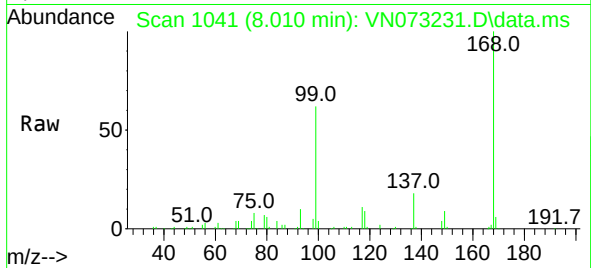




#38
Carbon Tetrachloride
Concen: 6.040 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.124 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

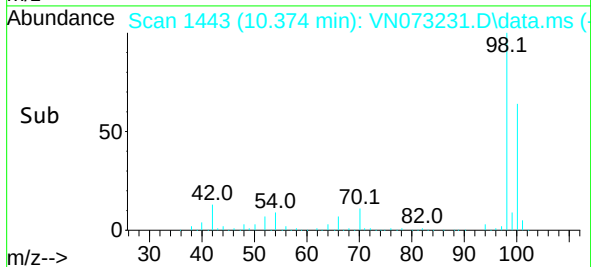
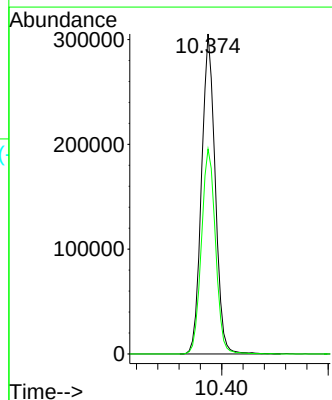
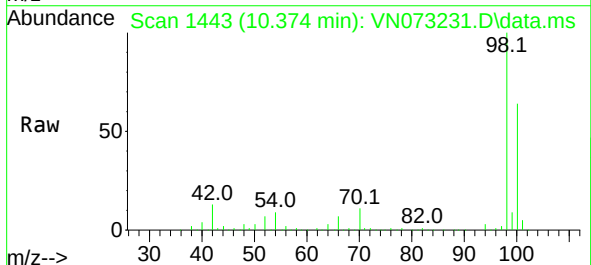
Instrument :
MSVOA_N
ClientSampleId :
VN0629MBL01

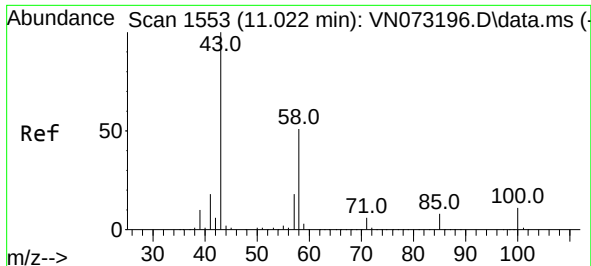
Tgt Ion:117 Resp: 33025
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.457 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.001 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

Tgt Ion: 98 Resp: 542552
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

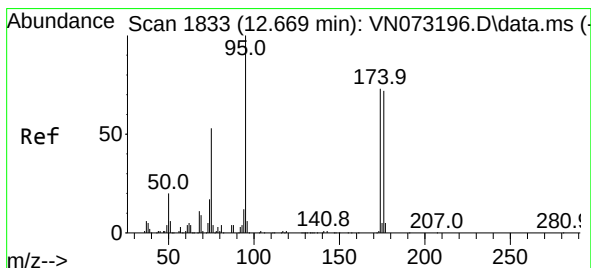
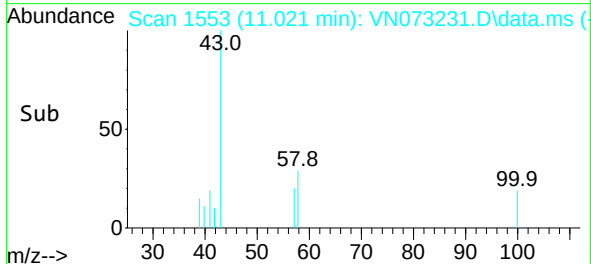
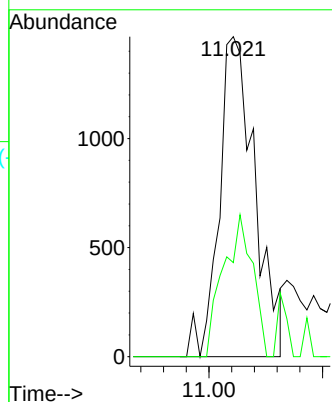
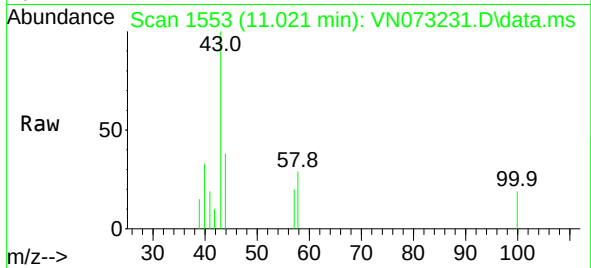




#59
2-Hexanone
Concen: 0.580 ug/l
RT: 11.021 min Scan# 11021
Delta R.T. -0.001 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

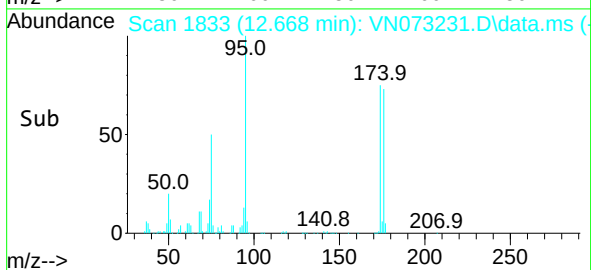
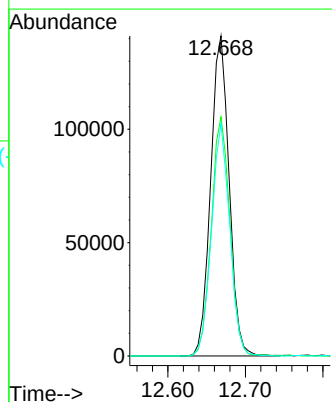
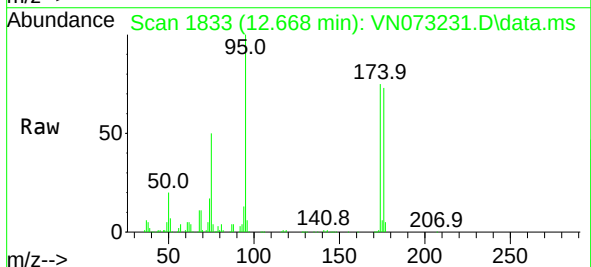
Instrument :
MSVOA_N
ClientSampleId :
VN0629MBL01

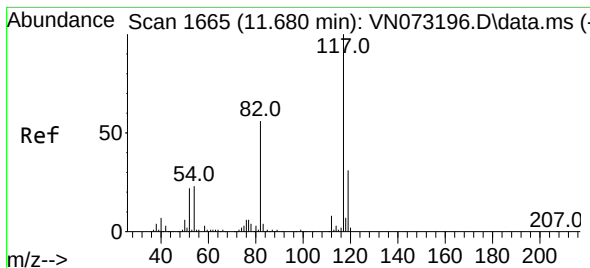
Tgt Ion: 43 Resp: 3218
Ion Ratio Lower Upper
43 100
58 36.1 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 49.864 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

Tgt Ion: 95 Resp: 233856
Ion Ratio Lower Upper
95 100
174 75.2 0.0 167.6
176 71.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073231.D

Acq: 29 Jun 2022 09:07

Instrument :

MSVOA_N

ClientSampleId :

VN0629MBL01

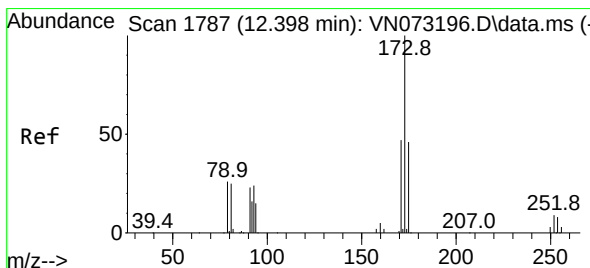
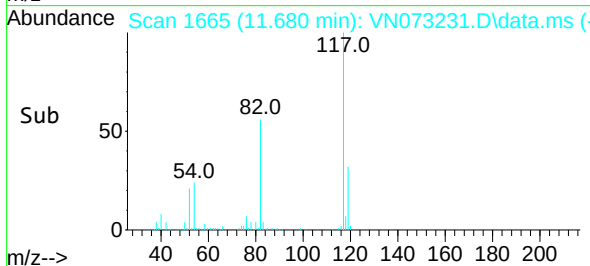
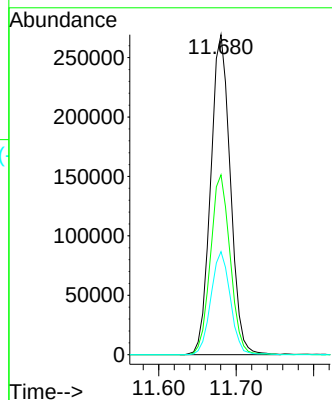
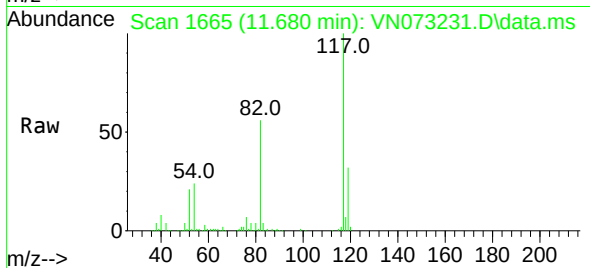
Tgt Ion:117 Resp: 475345

Ion Ratio Lower Upper

117 100

82 56.2 44.2 66.2

119 32.2 25.4 38.0



#71

Bromoform

Concen: 0.635 ug/l

RT: 12.663 min Scan# 1832

Delta R.T. 0.265 min

Lab File: VN073231.D

Acq: 29 Jun 2022 09:07

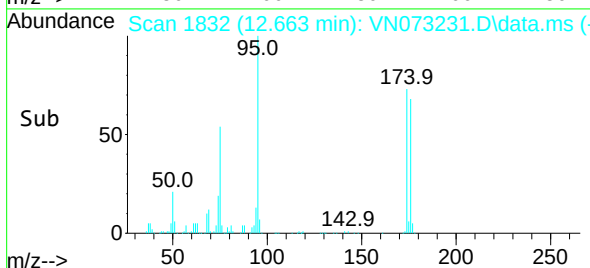
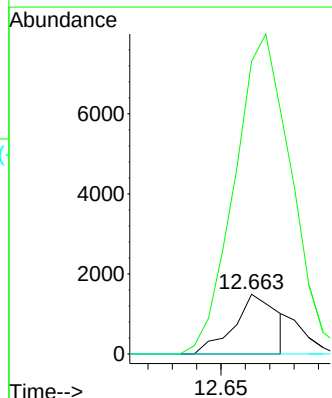
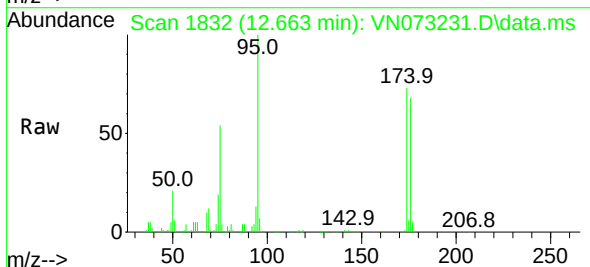
Tgt Ion:173 Resp: 1838

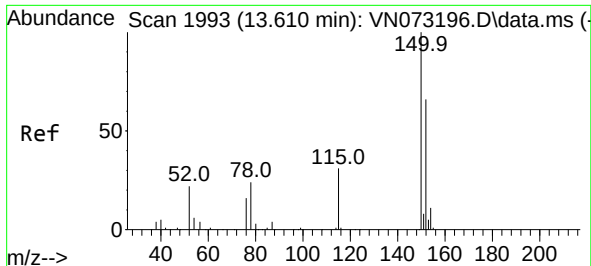
Ion Ratio Lower Upper

173 100

175 572.6 24.6 73.6#

254 0.0 0.1 0.1#

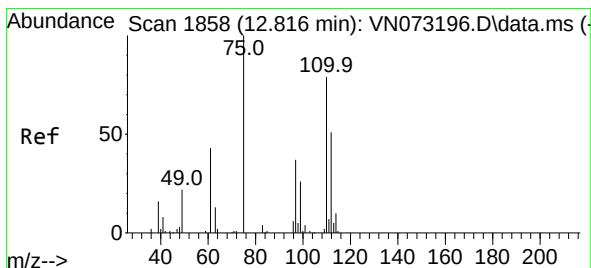
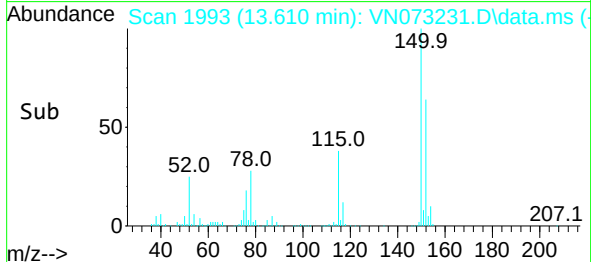
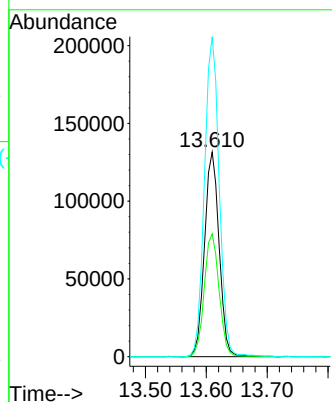
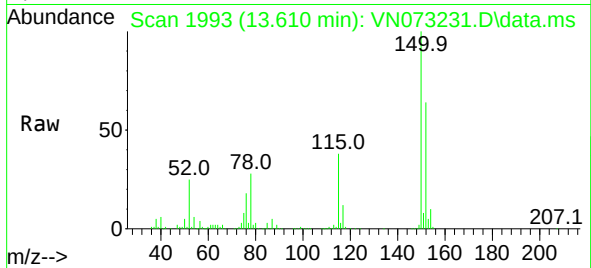




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073231.D
 Acq: 29 Jun 2022 09:07

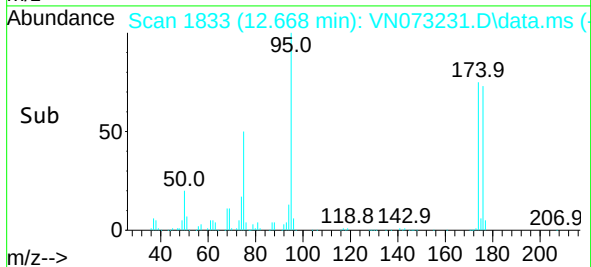
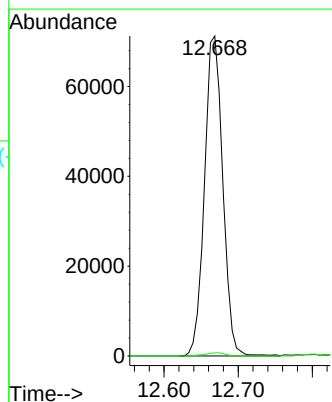
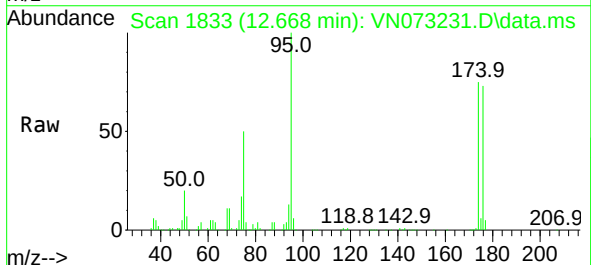
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629MBL01

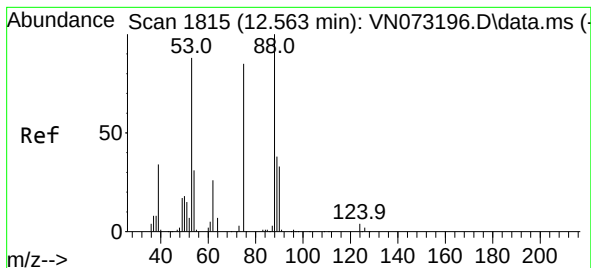
Tgt Ion:152 Resp: 219561
 Ion Ratio Lower Upper
 152 100
 115 61.2 28.9 86.7
 150 157.9 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.323 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.148 min
 Lab File: VN073231.D
 Acq: 29 Jun 2022 09:07

Tgt Ion: 75 Resp: 122418
 Ion Ratio Lower Upper
 75 100
 77 1.0 98.5 295.5#

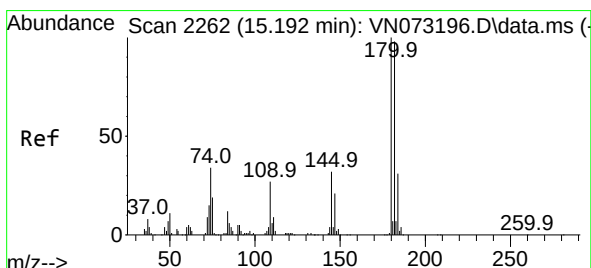
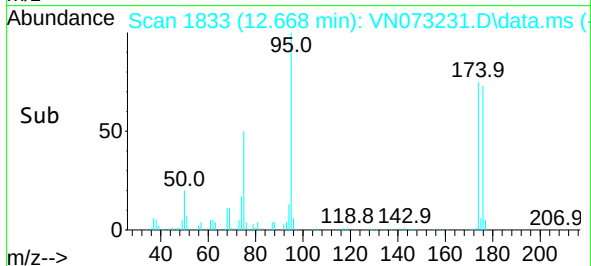
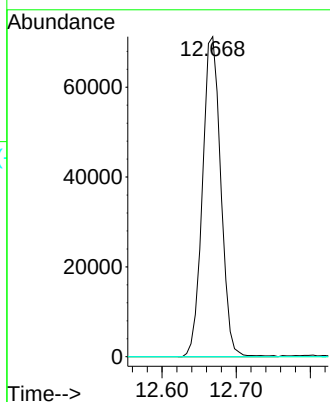
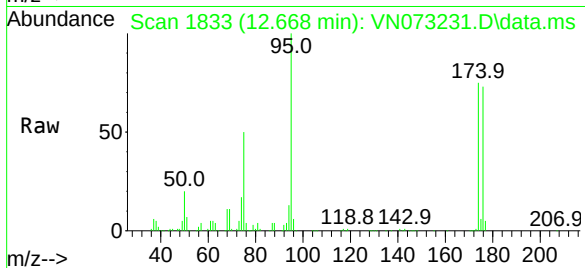




#81
trans-1,4-Dichloro-2-butene
Concen: 58.478 ug/l
RT: 12.668 min Scan# 1815
Delta R.T. 0.105 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

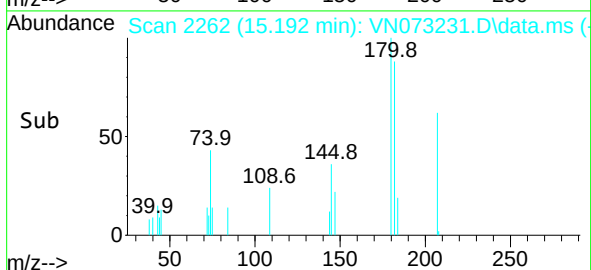
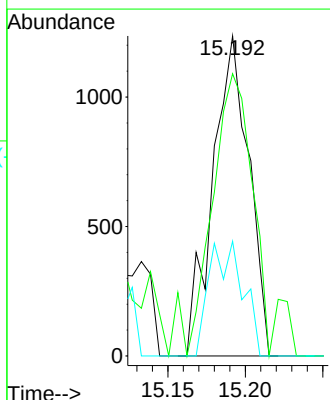
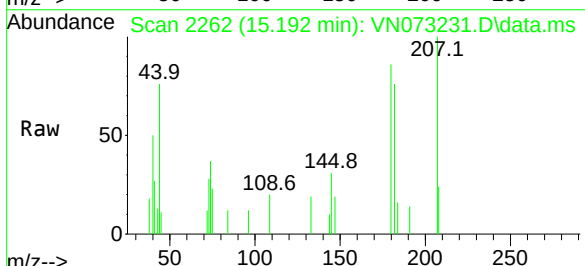
Instrument :
MSVOA_N
ClientSampleId :
VN0629MBL01

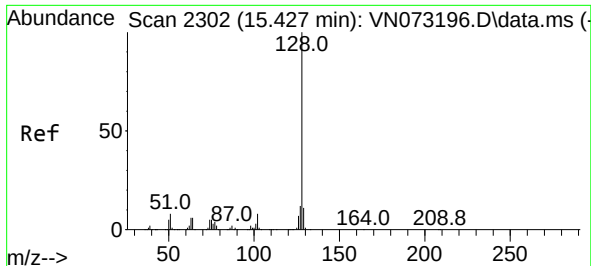
Tgt Ion: 75 Resp: 122418
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.477 ug/l
RT: 15.192 min Scan# 2262
Delta R.T. -0.000 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

Tgt Ion: 180 Resp: 2001
Ion Ratio Lower Upper
180 100
182 107.5 47.5 142.5
145 33.2 14.5 43.5

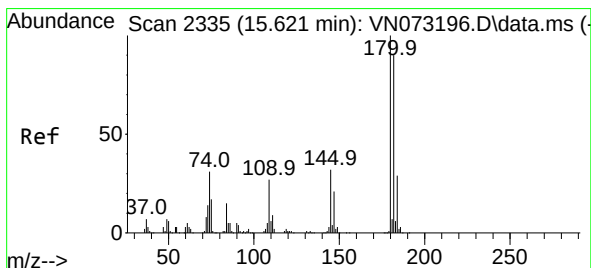
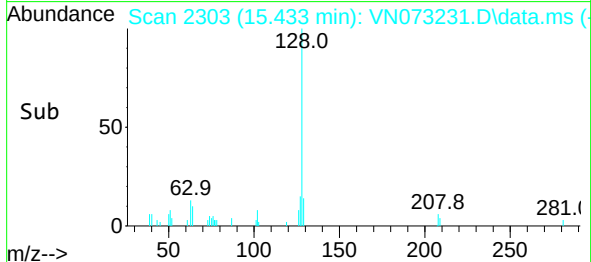
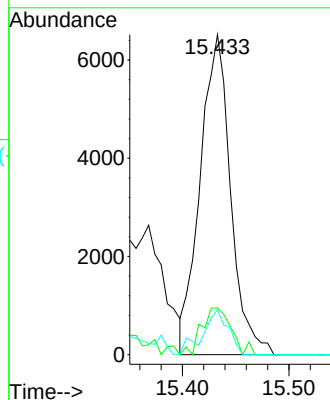
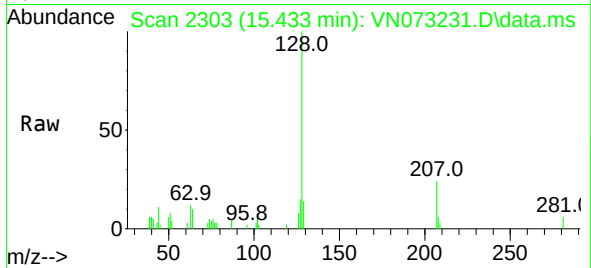




#95
Naphthalene
Concen: 0.765 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

Instrument :
MSVOA_N
ClientSampleId :
VN0629MBL01

Tgt Ion:128 Resp: 12949
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 11.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.615 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VN073231.D
Acq: 29 Jun 2022 09:07

Tgt Ion:180 Resp: 2659
Ion Ratio Lower Upper
180 100
182 89.8 47.8 143.3
145 36.4 15.5 46.5

