

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062922\
 Data File : VN073235.D
 Acq On : 29 Jun 2022 11:45
 Operator : JC\MD
 Sample : N3376-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220615003-01-VOADL

Quant Time: Jun 30 06:58:59 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)

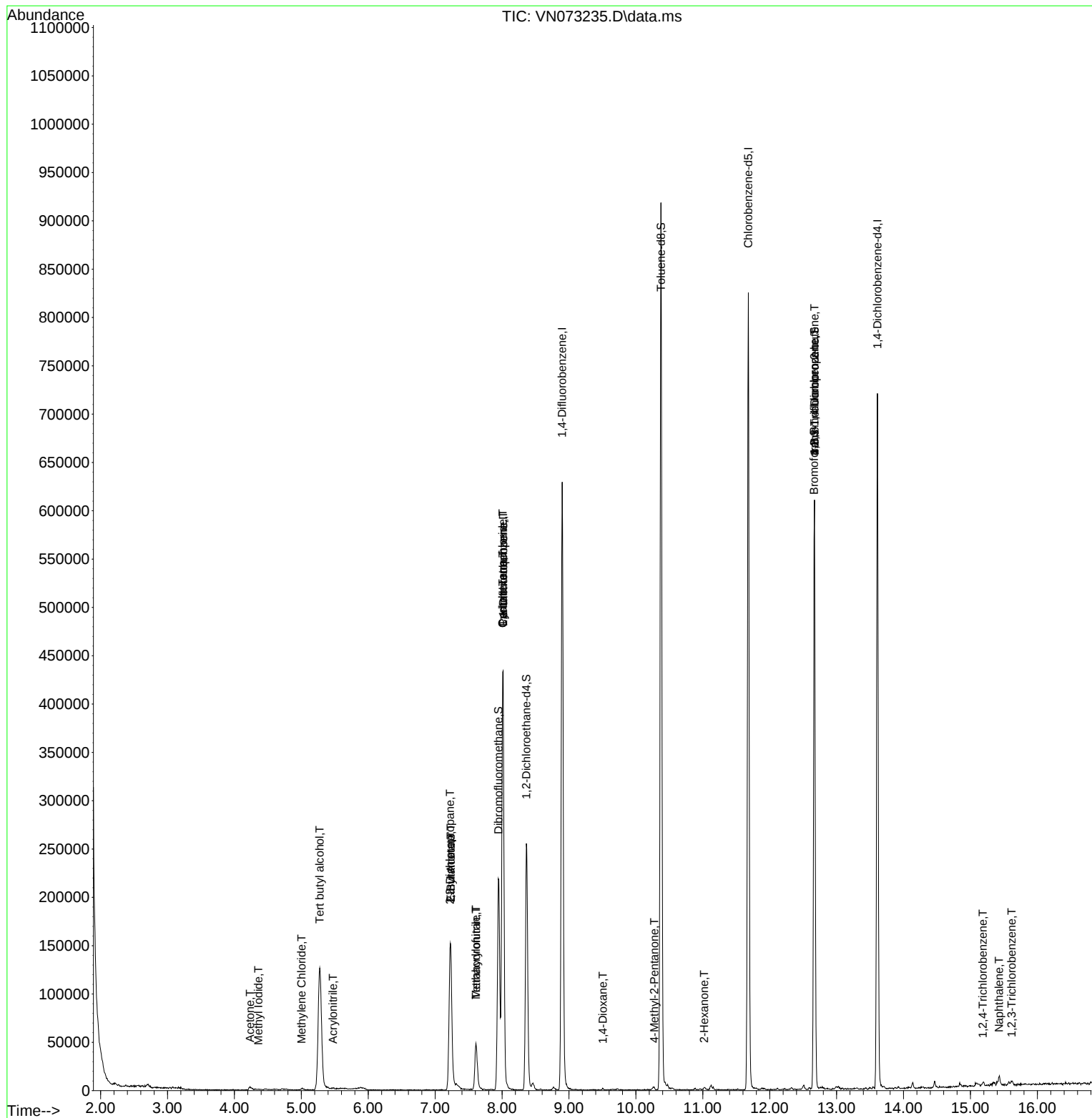
Internal Standards						
1) Pentafluorobenzene	8.016	168	333589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	553745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	458799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	183612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	215483	44.746	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.500%		
35) Dibromofluoromethane	7.945	113	164415	44.628	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.260%		
50) Toluene-d8	10.375	98	619970	47.381	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.760%		
62) 4-Bromofluorobenzene	12.669	95	209842	41.731	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.460%		
Target Compounds						Qvalue
10) Methyl Iodide	4.357	142	581	3.831	ug/l #	58
11) Tert butyl alcohol	5.275	59	237856	203.891	ug/l	99
15) Acrylonitrile	5.475	53	701	0.233	ug/l #	71
16) Acetone	4.234	43	4638	1.716	ug/l #	87
20) Methylene Chloride	5.004	84	1057	0.223	ug/l #	70
25) 2-Butanone	7.234	43	9825	2.283	ug/l #	75
26) 2,2-Dichloropropane	7.222	77	10895	1.475	ug/l #	53
29) Tetrahydrofuran	7.610	42	40038	13.587	ug/l	88
31) Cyclohexane	8.010	56	8336	1.057	ug/l #	15
36) 1,1-Dichloropropene	8.016	75	29003	5.116	ug/l #	50
37) Ethyl Acetate	7.234	43	9825	1.147	ug/l #	2
38) Carbon Tetrachloride	8.010	117	34188	5.832	ug/l #	15
41) Methacrylonitrile	7.610	41	23836	5.738	ug/l #	36
49) 1,4-Dioxane	9.504	88	728	6.728	ug/l #	87
51) 4-Methyl-2-Pentanone	10.275	43	2882	0.369	ug/l #	67
59) 2-Hexanone	11.022	43	2380	0.400	ug/l	77
71) Bromoform	12.663	173	1941	0.695	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	110256	22.965	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	110256	62.980	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.186	180	1360	0.388	ug/l	99
95) Naphthalene	15.427	128	8114	0.573	ug/l	97
96) 1,2,3-Trichlorobenzene	15.615	180	1621	0.448	ug/l	98

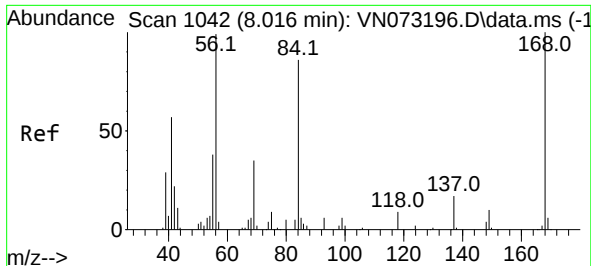
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062922\
Data File : VN073235.D
Acq On : 29 Jun 2022 11:45
Operator : JC\MD
Sample : N3376-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

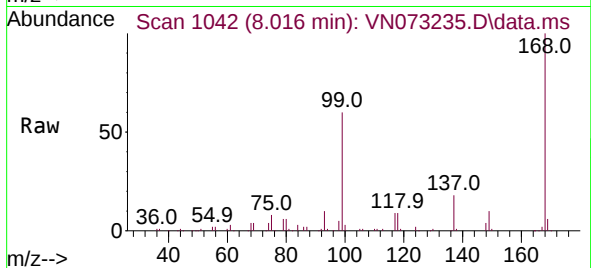
Quant Time: Jun 30 06:58:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration



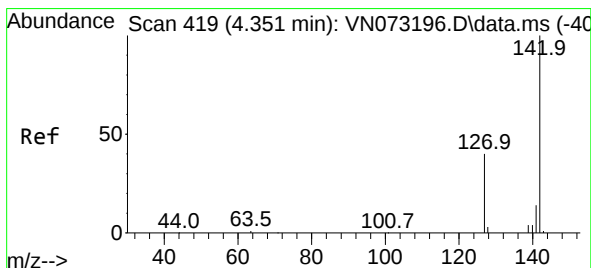
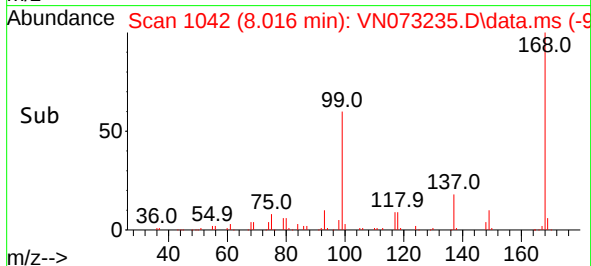
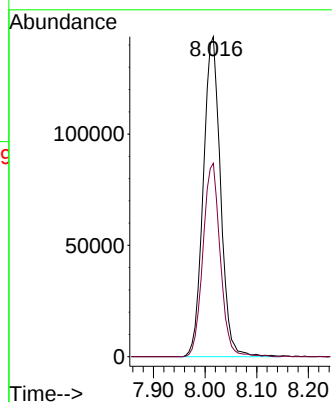


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

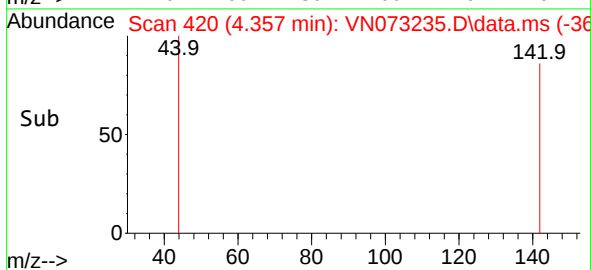
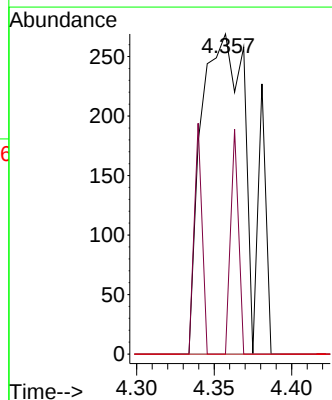
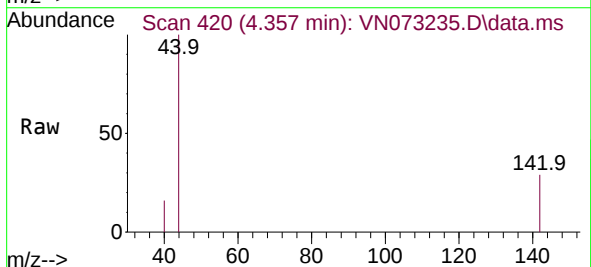


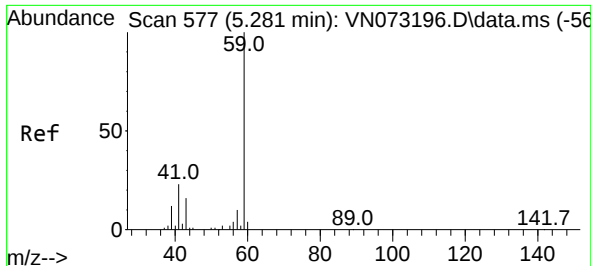
Tgt Ion:168 Resp: 333589
Ion Ratio Lower Upper
168 100
99 60.5 42.3 63.5



#10
Methyl Iodide
Concen: 3.831 ug/l
RT: 4.357 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Tgt Ion:142 Resp: 581
Ion Ratio Lower Upper
142 100
127 11.5 31.3 46.9#
141 0.0 11.2 16.8#

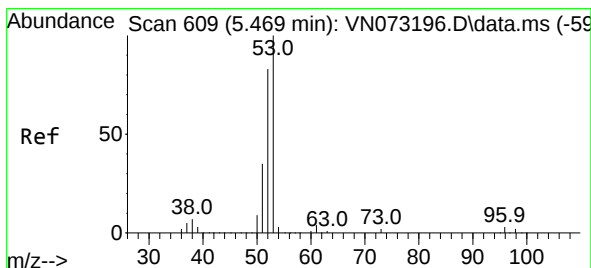
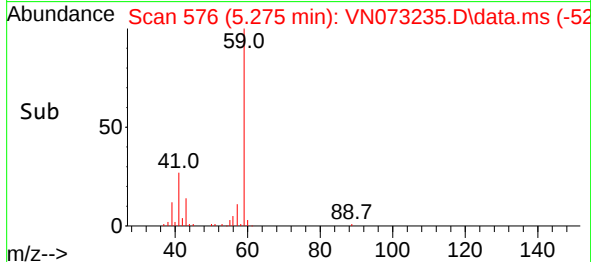
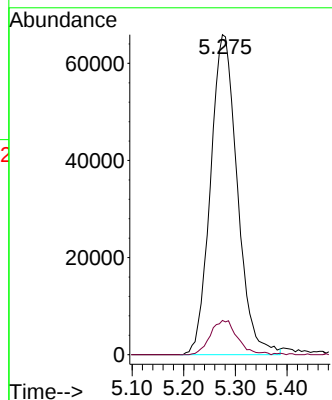
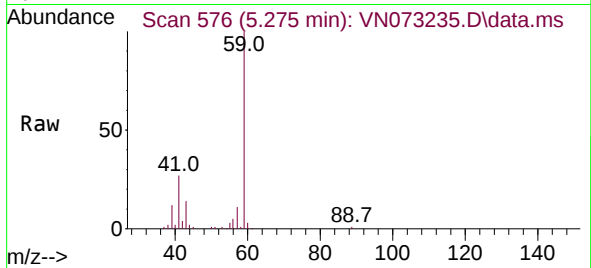




#11
Tert butyl alcohol
Concen: 203.891 ug/l
RT: 5.275 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

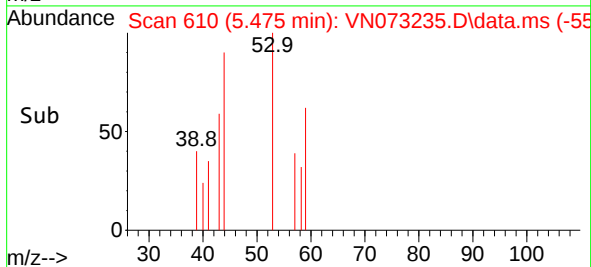
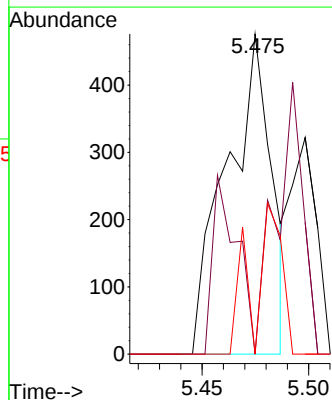
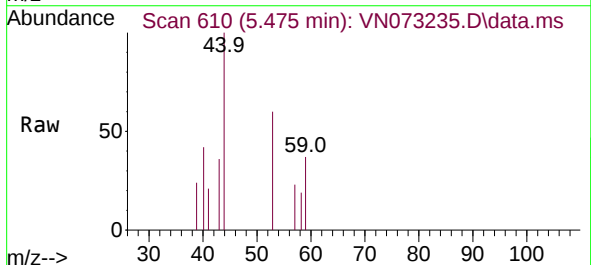
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

Tgt Ion: 59 Resp: 237856
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5



#15
Acrylonitrile
Concen: 0.233 ug/l
RT: 5.475 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Tgt Ion: 53 Resp: 701
Ion Ratio Lower Upper
53 100
52 50.2 66.4 99.6#
51 29.7 28.5 42.7

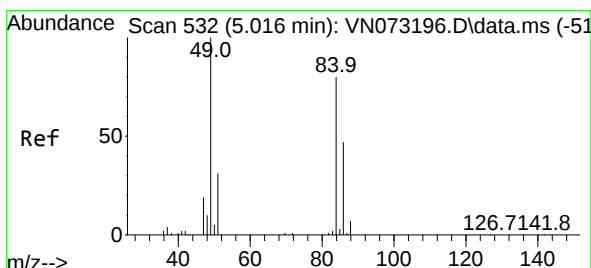
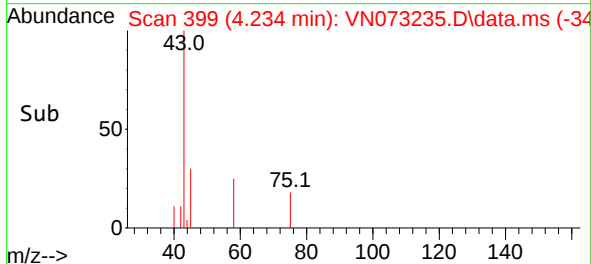
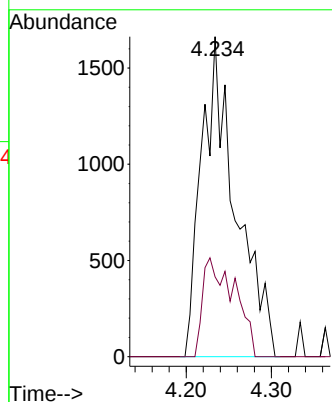
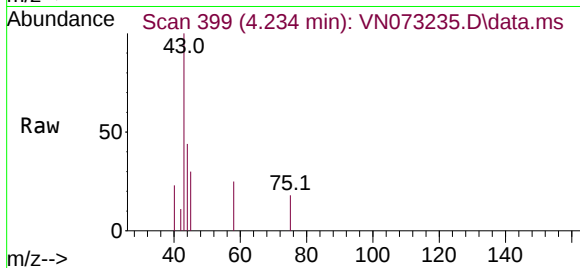




#16
Acetone
Concen: 1.716 ug/l
RT: 4.234 min Scan# 397
Delta R.T. 0.012 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

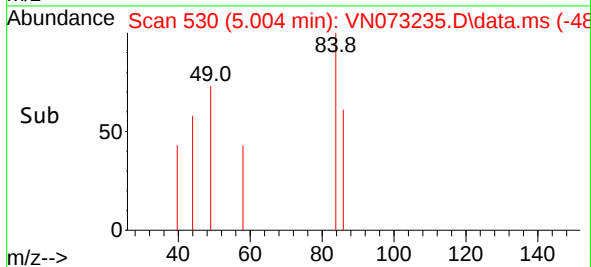
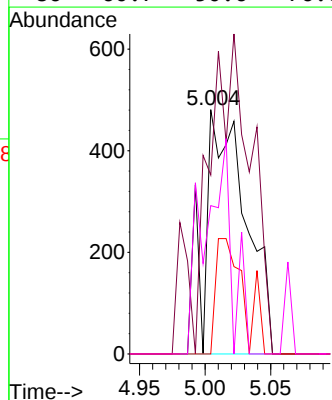
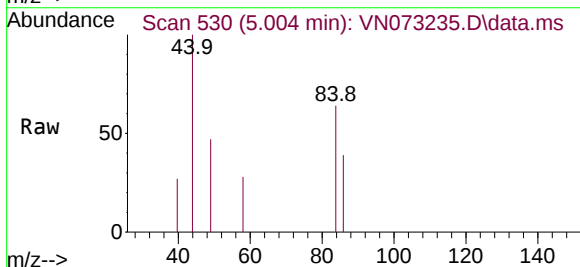
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

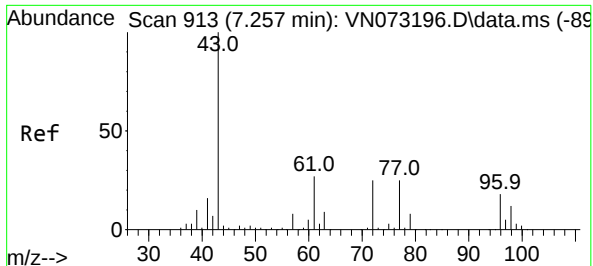
Tgt Ion: 43 Resp: 4638
Ion Ratio Lower Upper
43 100
58 25.0 26.0 39.0#



#20
Methylene Chloride
Concen: 0.223 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.012 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Tgt Ion: 84 Resp: 1057
Ion Ratio Lower Upper
84 100
49 73.2 88.3 132.5#
51 0.0 28.2 42.2#
86 60.7 50.6 76.0





#25

2-Butanone

Concen: 2.283 ug/l

RT: 7.234 min Scan# 90

Delta R.T. -0.023 min

Lab File: VN073235.D

Acq: 29 Jun 2022 11:45

Instrument :

MSVOA_N

ClientSampleId :

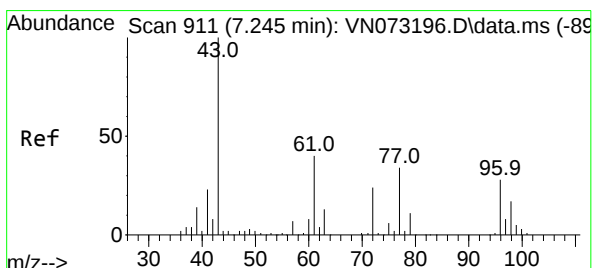
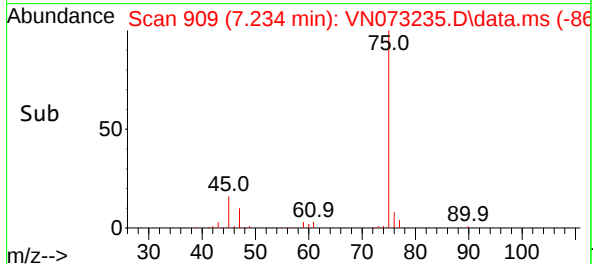
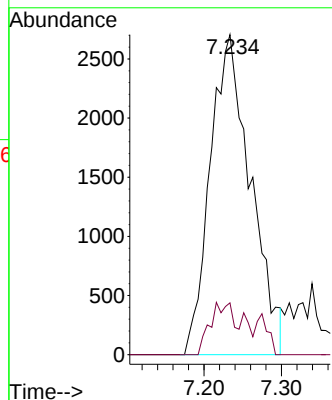
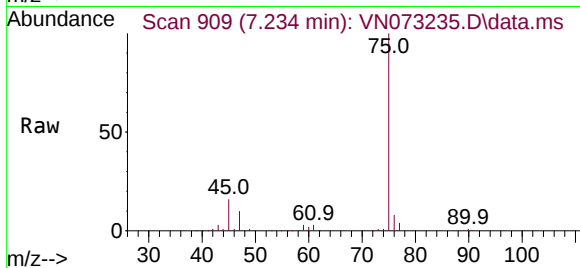
220615003-01-VOADL

Tgt Ion: 43 Resp: 9825

Ion Ratio Lower Upper

43 100

72 16.2 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 1.475 ug/l

RT: 7.222 min Scan# 907

Delta R.T. -0.023 min

Lab File: VN073235.D

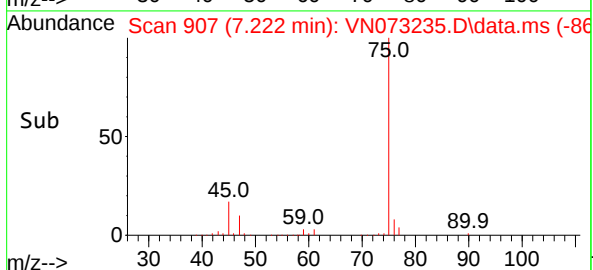
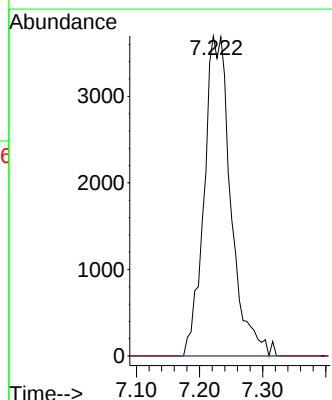
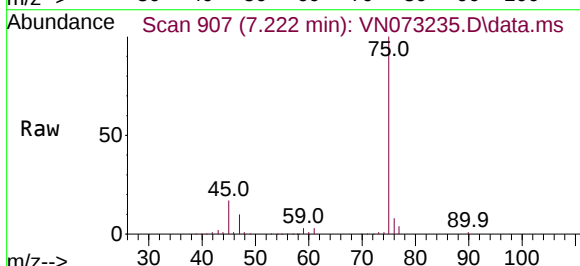
Acq: 29 Jun 2022 11:45

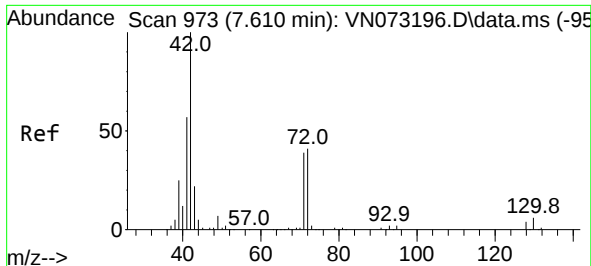
Tgt Ion: 77 Resp: 10895

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 13.587 ug/l

RT: 7.610 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN073235.D

Acq: 29 Jun 2022 11:45

Instrument :

MSVOA_N

ClientSampleId :

220615003-01-VOADL

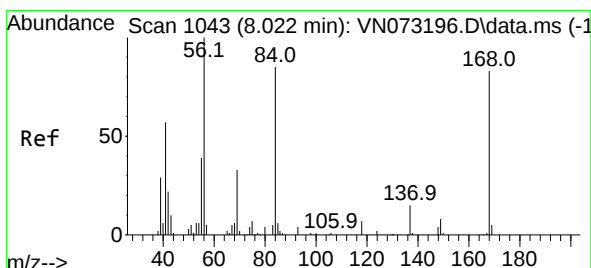
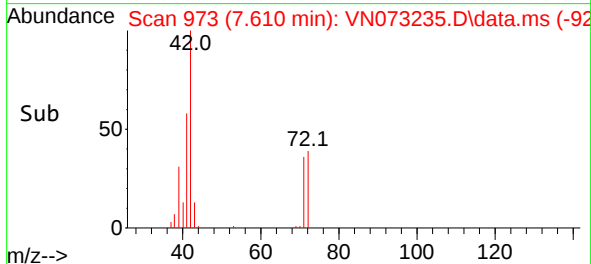
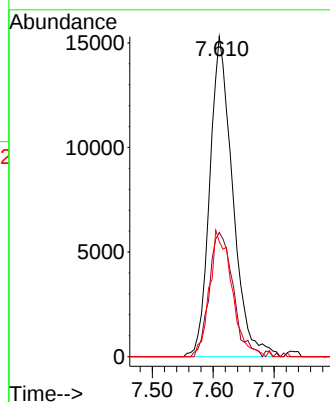
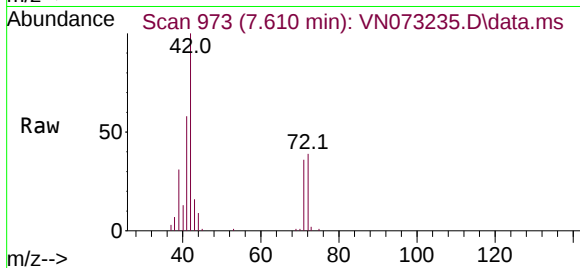
Tgt Ion: 42 Resp: 40038

Ion Ratio Lower Upper

42 100

72 40.5 39.7 59.5

71 38.4 36.6 55.0



#31

Cyclohexane

Concen: 1.057 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073235.D

Acq: 29 Jun 2022 11:45

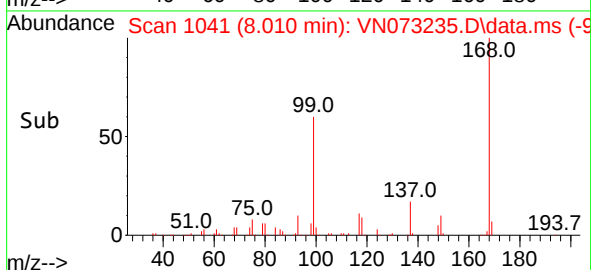
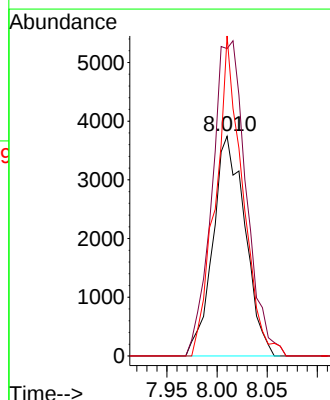
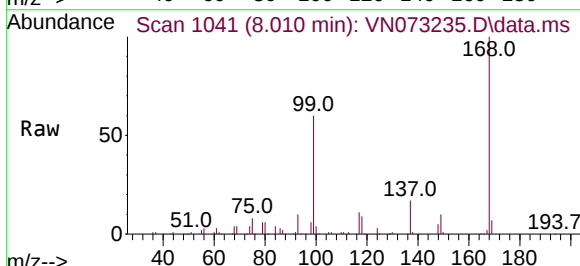
Tgt Ion: 56 Resp: 8336

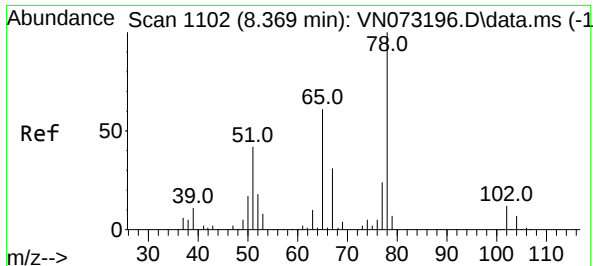
Ion Ratio Lower Upper

56 100

69 139.9 27.8 41.8#

84 145.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 44.746 ug/l

RT: 8.363 min Scan# 1102

Delta R.T. -0.006 min

Lab File: VN073235.D

Acq: 29 Jun 2022 11:45

Instrument :

MSVOA_N

ClientSampleId :

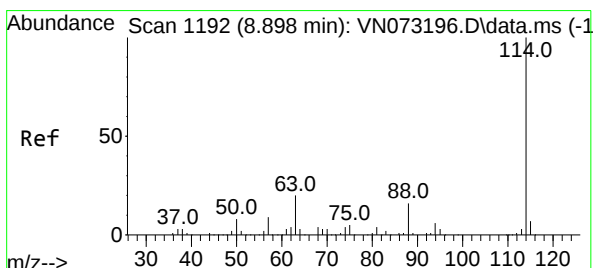
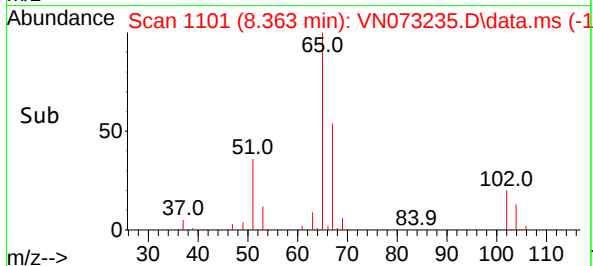
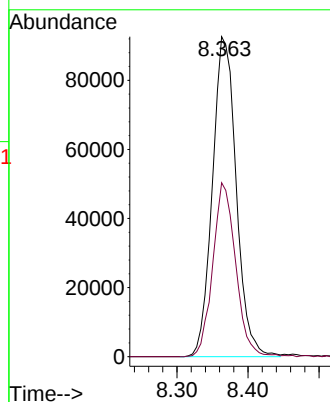
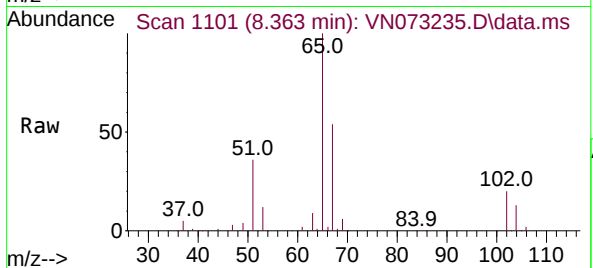
220615003-01-VOADL

Tgt Ion: 65 Resp: 215483

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: VN073235.D

Acq: 29 Jun 2022 11:45

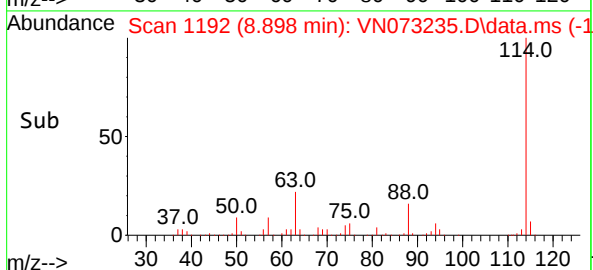
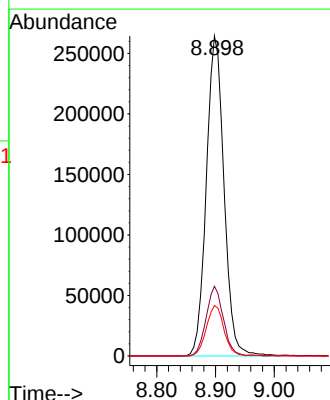
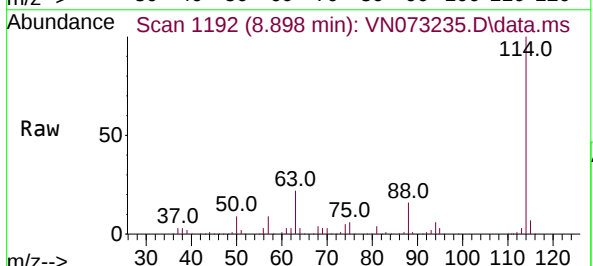
Tgt Ion: 114 Resp: 553745

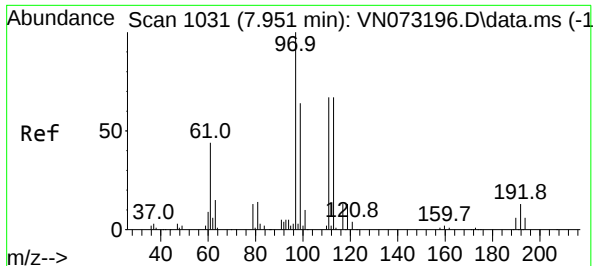
Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 44.628 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN073235.D

Acq: 29 Jun 2022 11:45

Instrument :

MSVOA_N

ClientSampleId :

220615003-01-VOADL

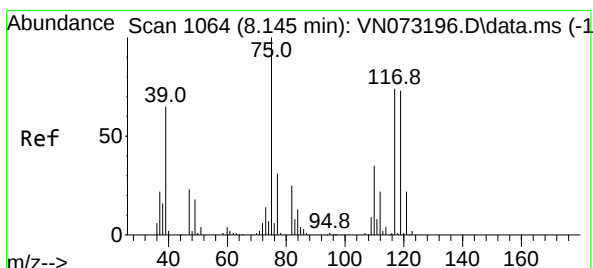
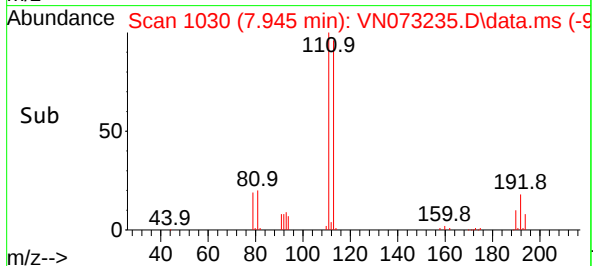
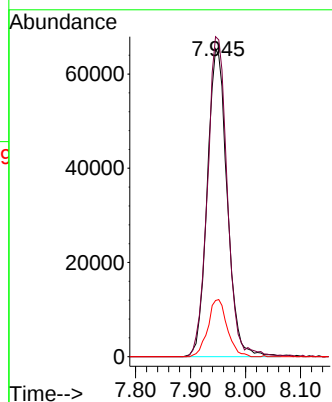
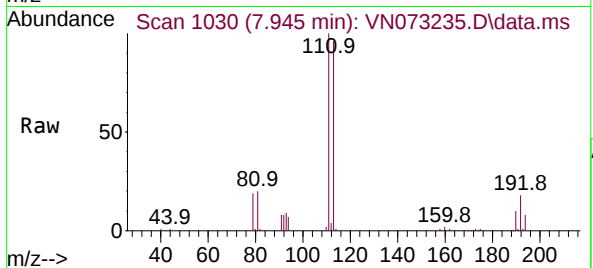
Tgt Ion:113 Resp: 164415

Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 18.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.116 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073235.D

Acq: 29 Jun 2022 11:45

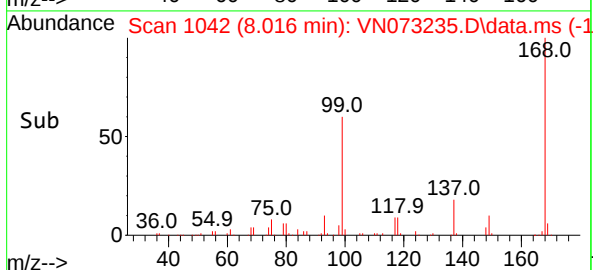
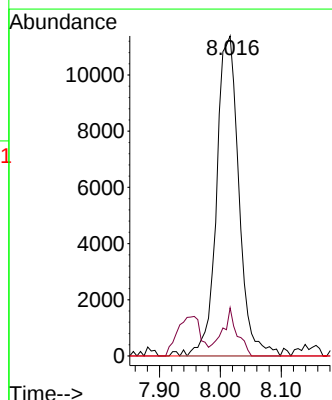
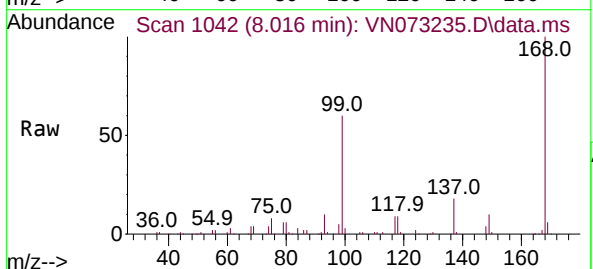
Tgt Ion: 75 Resp: 29003

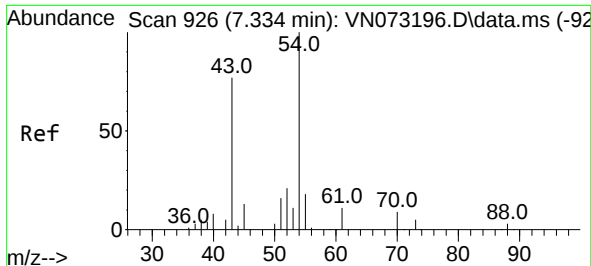
Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.8#

77 0.0 25.1 37.7#

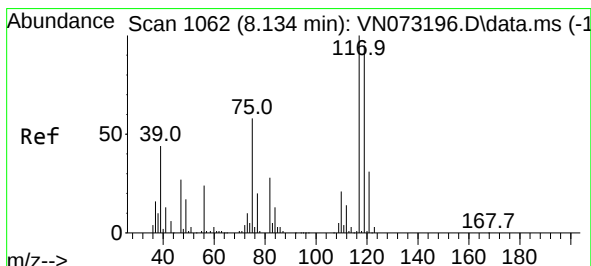
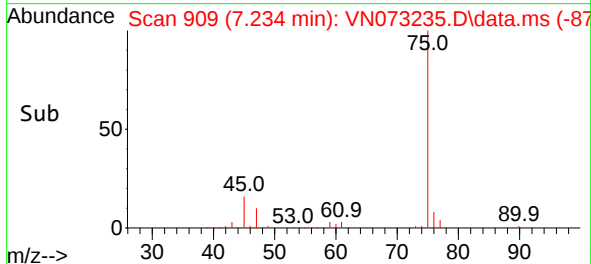
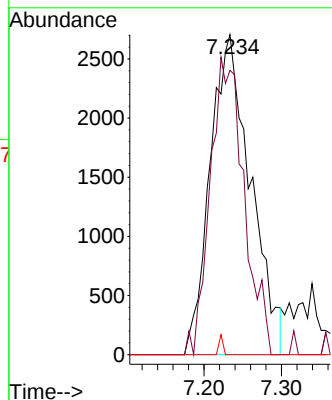
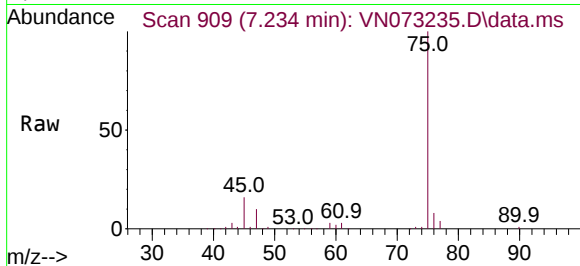




#37
Ethyl Acetate
Concen: 1.147 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.100 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

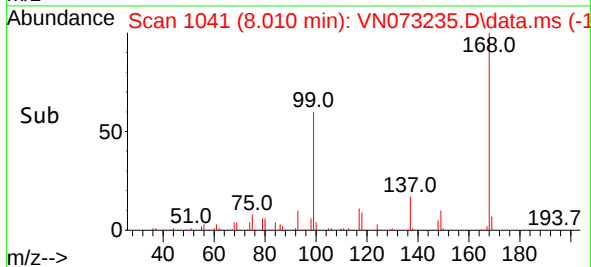
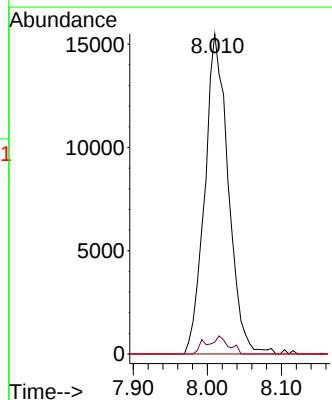
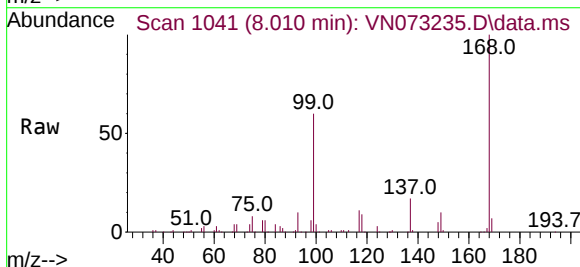
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

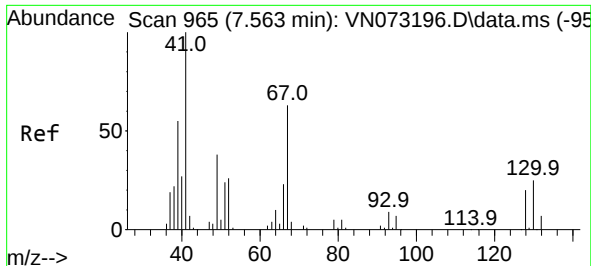
Tgt Ion: 43 Resp: 9825
Ion Ratio Lower Upper
43 100
61 77.5 11.8 17.6#
70 0.6 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.832 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.124 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Tgt Ion: 117 Resp: 34188
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.8#
121 0.0 24.6 37.0#

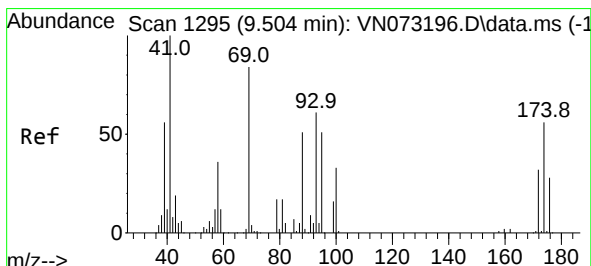
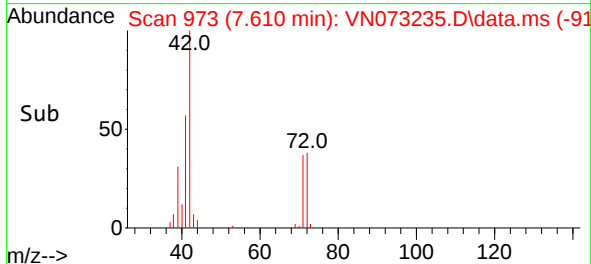
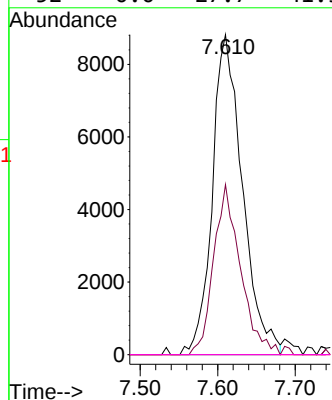
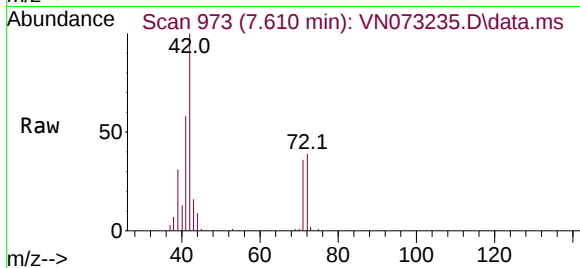




#41
Methacrylonitrile
Concen: 5.738 ug/l
RT: 7.610 min Scan# 91
Delta R.T. 0.047 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

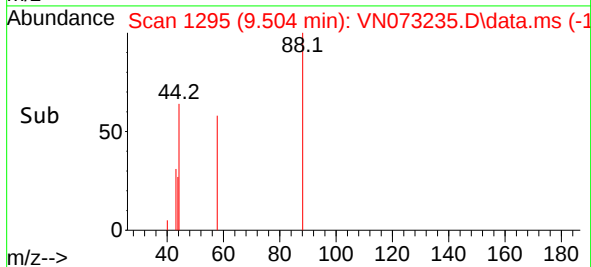
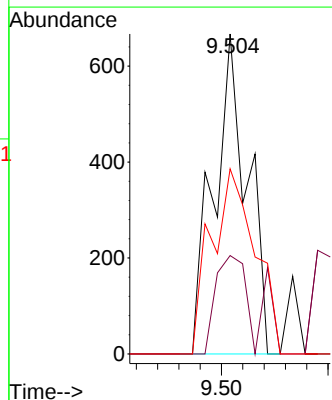
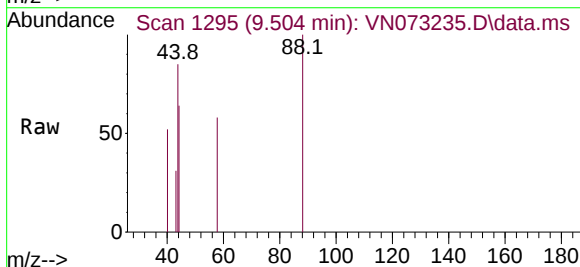
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

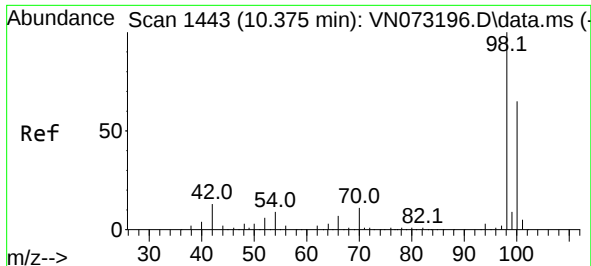
Tgt Ion:	41	Resp:	23836
Ion	Ratio	Lower	Upper
41	100		
39	47.4	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#49
1,4-Dioxane
Concen: 6.728 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Tgt Ion:	88	Resp:	728
Ion	Ratio	Lower	Upper
88	100		
43	36.0	20.2	30.4#
58	76.1	54.2	81.4

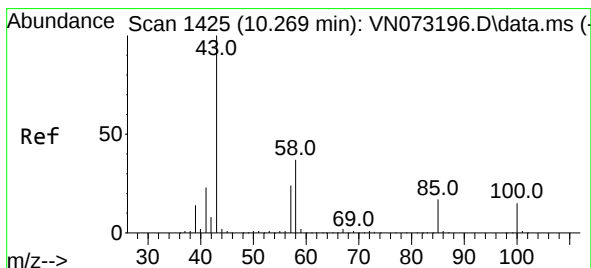
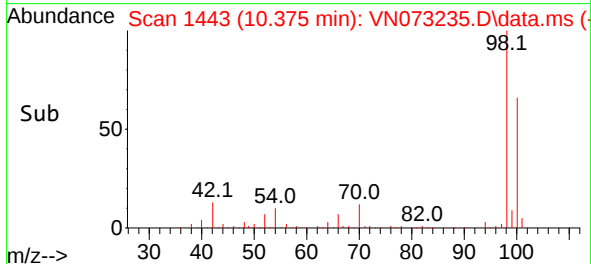
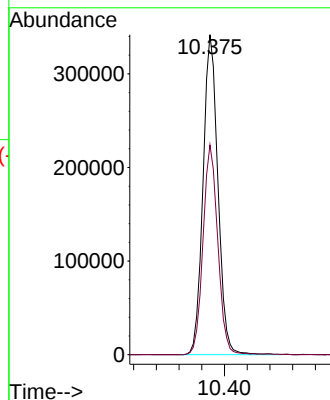
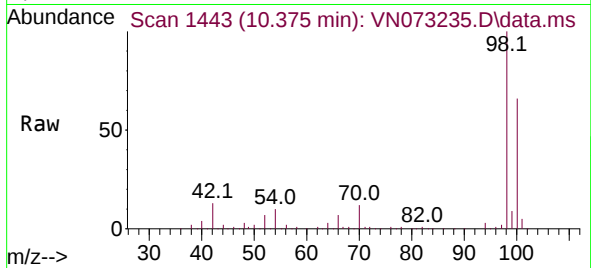




#50
Toluene-d8
Concen: 47.381 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

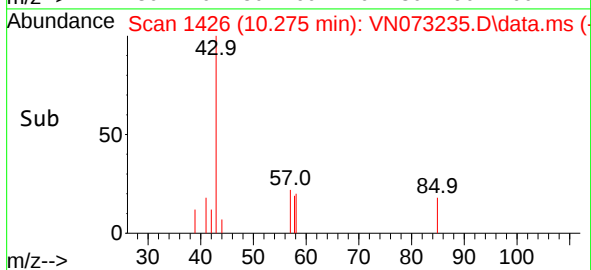
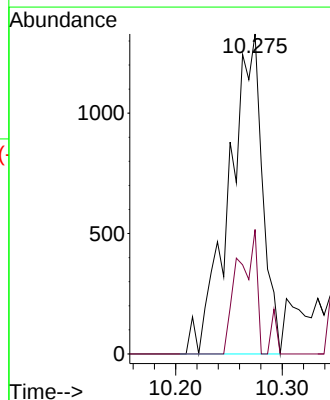
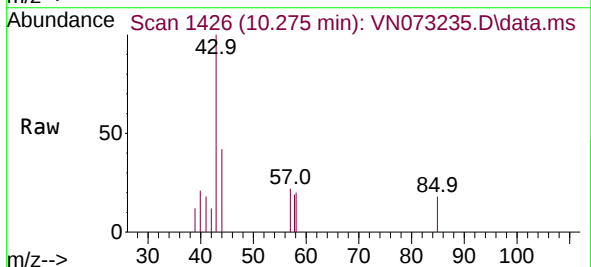
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

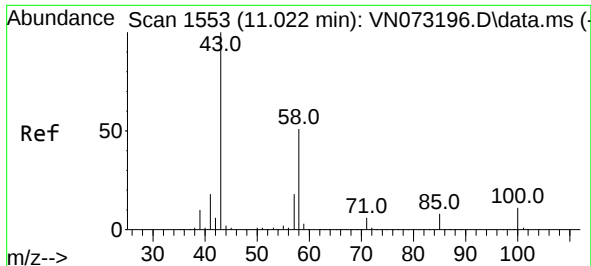
Tgt Ion: 98 Resp: 619970
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.369 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Tgt Ion: 43 Resp: 2882
Ion Ratio Lower Upper
43 100
58 21.9 34.1 51.1#

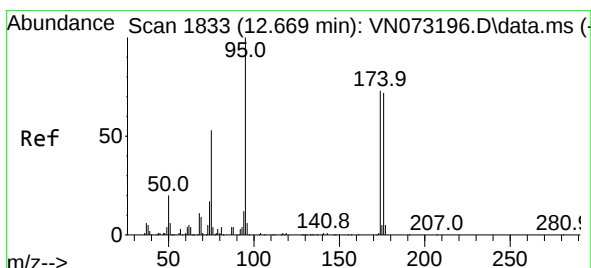
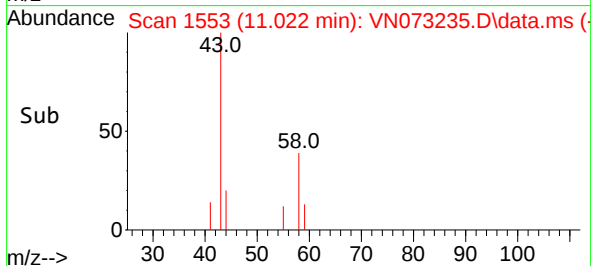
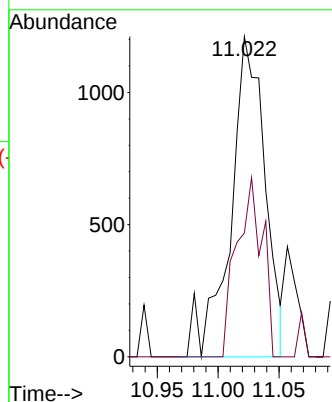
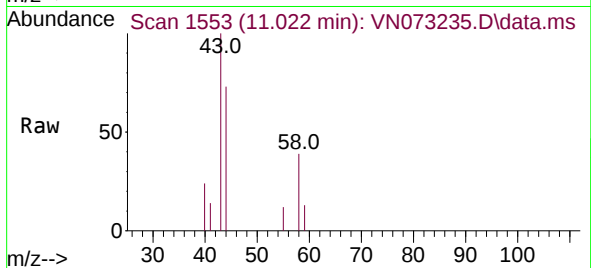




#59
2-Hexanone
Concen: 0.400 ug/l
RT: 11.022 min Scan# 1153
Delta R.T. -0.000 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

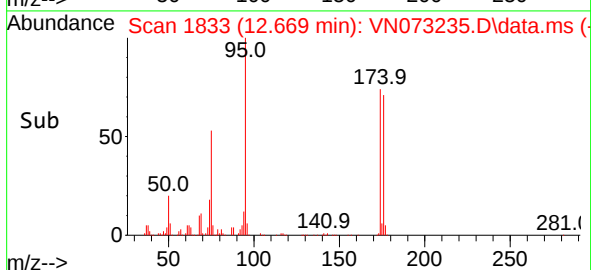
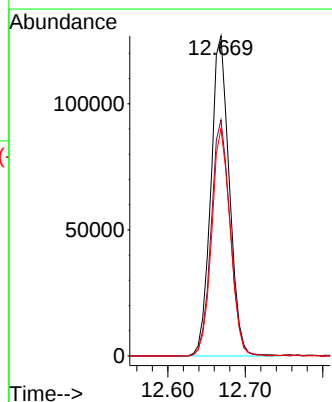
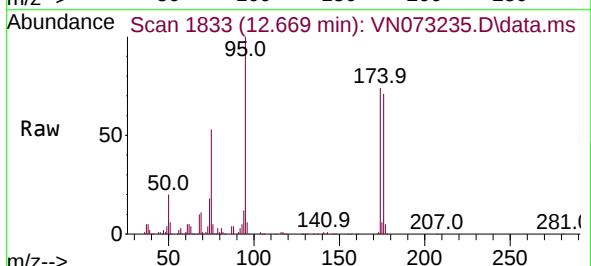
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

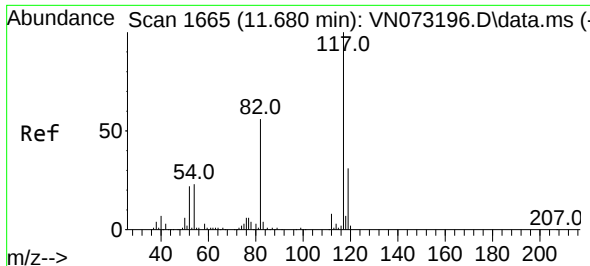
Tgt Ion: 43 Resp: 2380
Ion Ratio Lower Upper
43 100
58 42.1 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 41.731 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Tgt Ion: 95 Resp: 209842
Ion Ratio Lower Upper
95 100
174 75.6 0.0 167.6
176 71.3 0.0 163.4

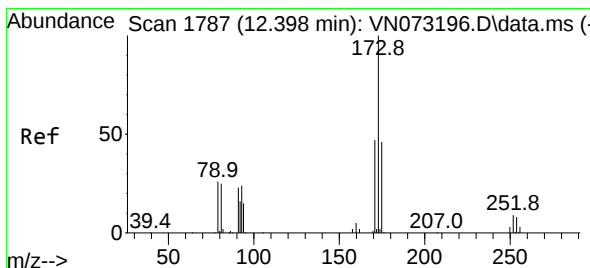
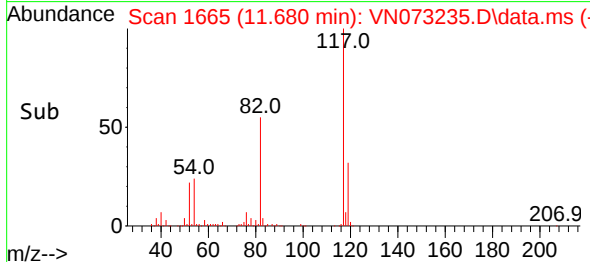
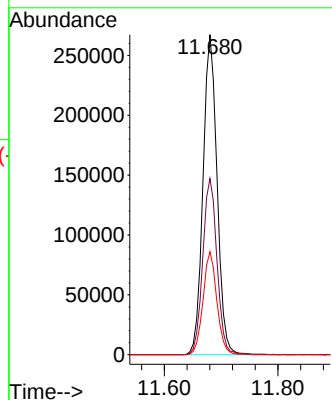
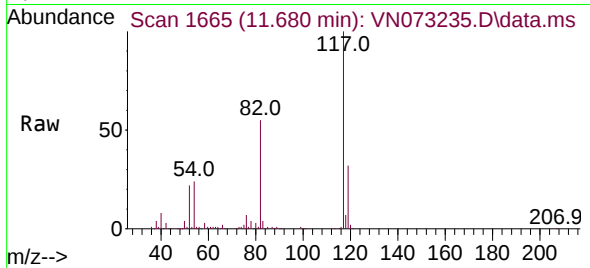




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

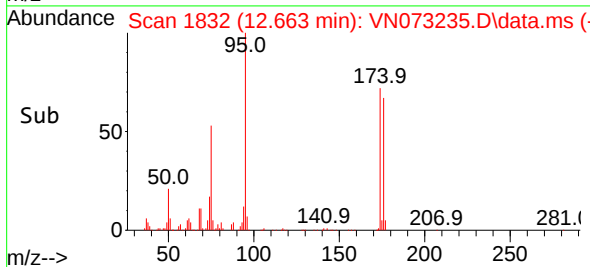
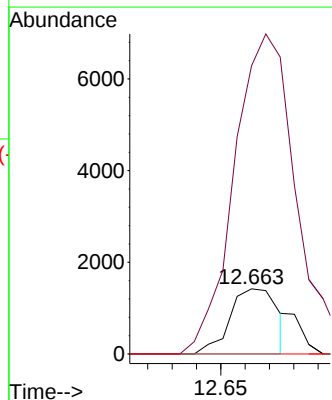
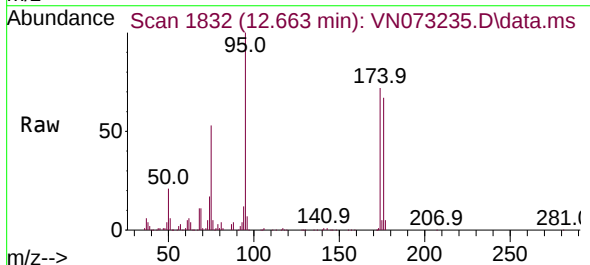
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

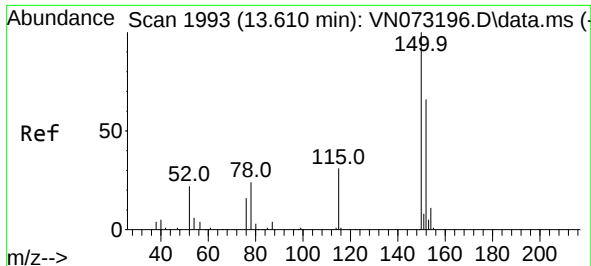
Tgt Ion:117 Resp: 458799
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 32.1 25.4 38.0



#71
Bromoform
Concen: 0.695 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Tgt Ion:173 Resp: 1941
Ion Ratio Lower Upper
173 100
175 501.2 24.6 73.6#
254 0.0 0.1 0.1#

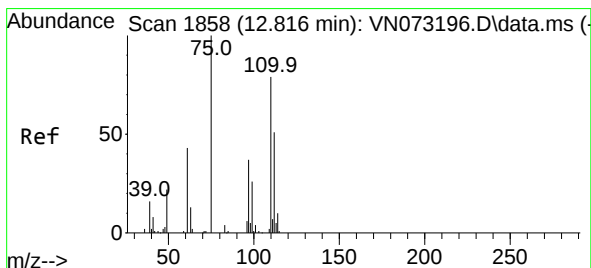
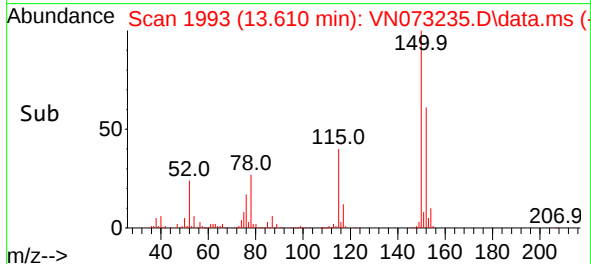
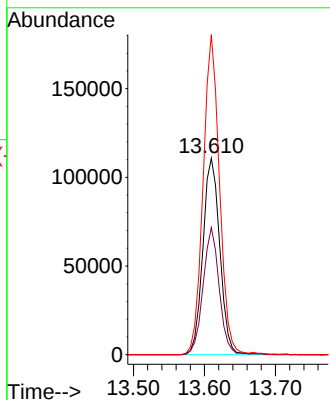
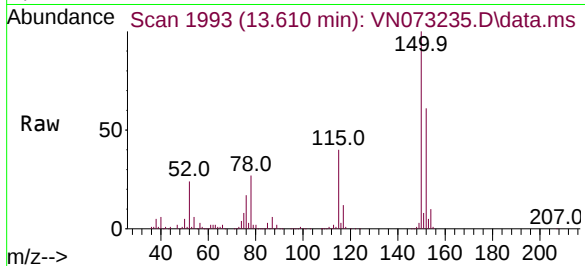




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073235.D
 Acq: 29 Jun 2022 11:45

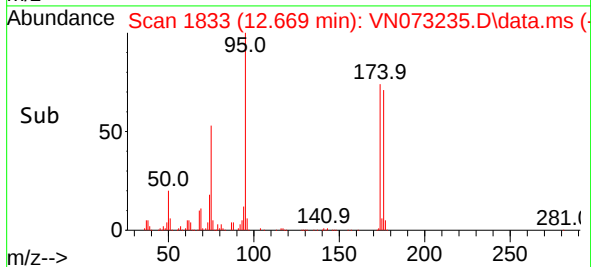
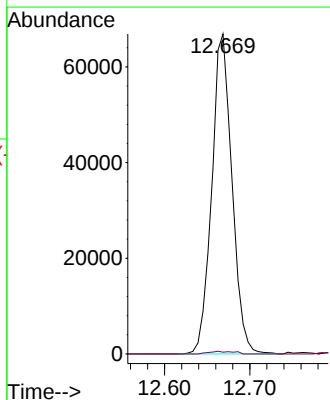
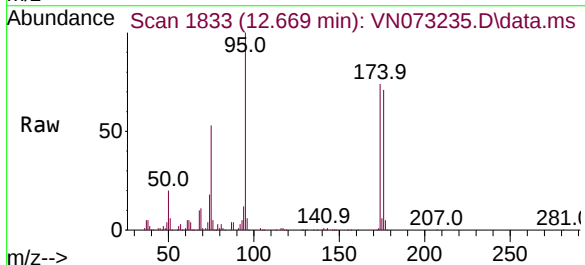
Instrument :
 MSVOA_N
 ClientSampleId :
 220615003-01-VOADL

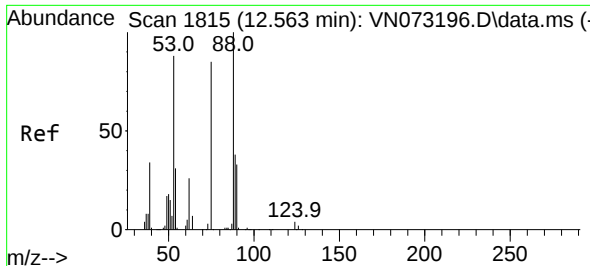
Tgt Ion:152 Resp: 183612
 Ion Ratio Lower Upper
 152 100
 115 61.9 28.9 86.7
 150 157.3 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.965 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.148 min
 Lab File: VN073235.D
 Acq: 29 Jun 2022 11:45

Tgt Ion: 75 Resp: 110256
 Ion Ratio Lower Upper
 75 100
 77 1.0 98.5 295.5#

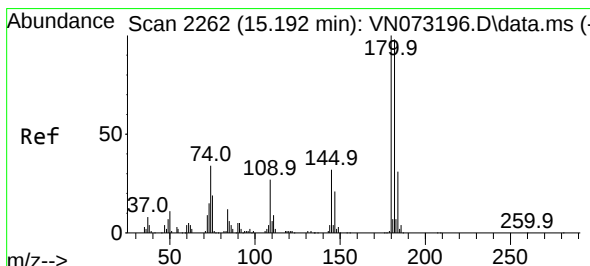
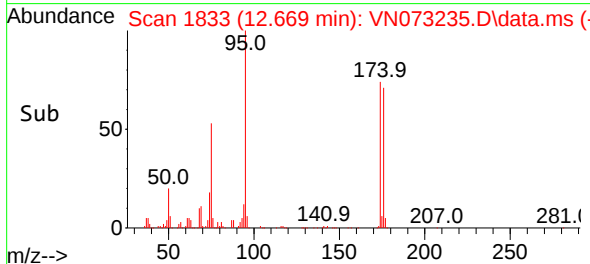
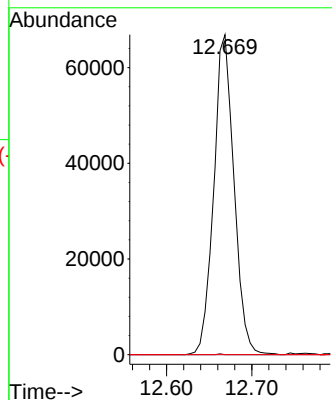
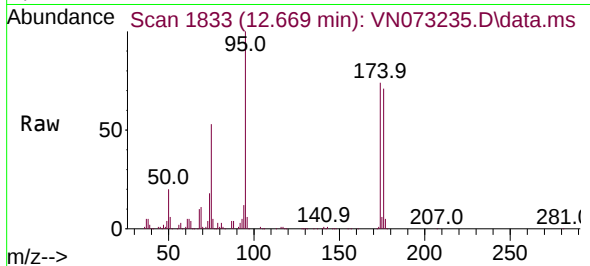




#81
trans-1,4-Dichloro-2-butene
Concen: 62.980 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.105 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

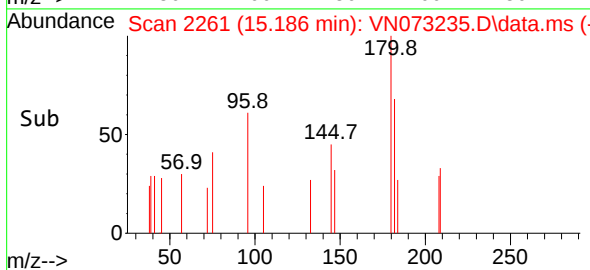
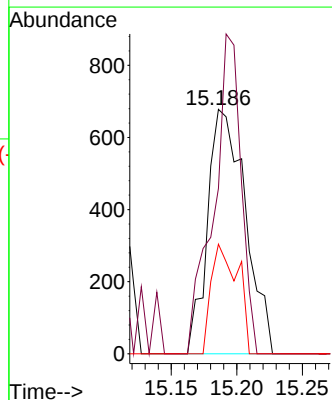
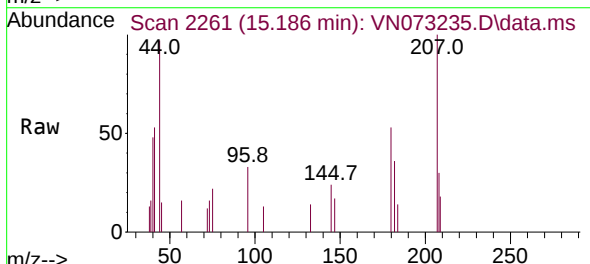
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

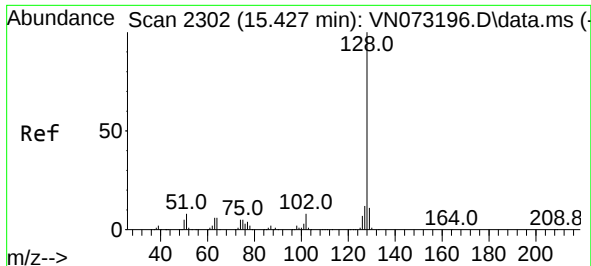
Tgt Ion: 75 Resp: 110256
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.388 ug/l
RT: 15.186 min Scan# 2261
Delta R.T. -0.006 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Tgt Ion:180 Resp: 1360
Ion Ratio Lower Upper
180 100
182 95.1 47.5 142.5
145 31.6 14.5 43.5

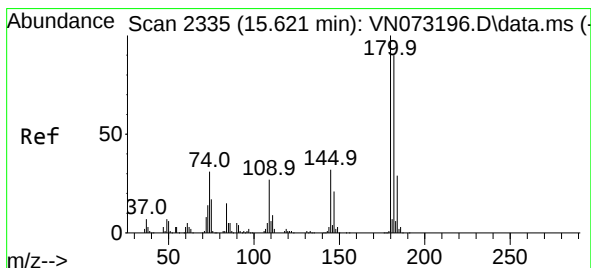
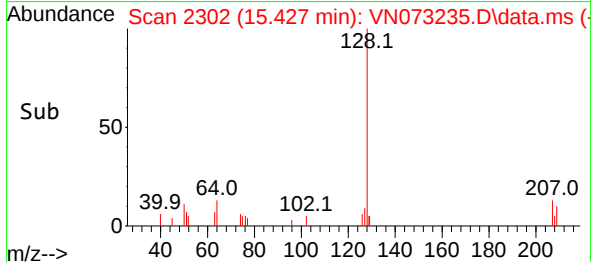
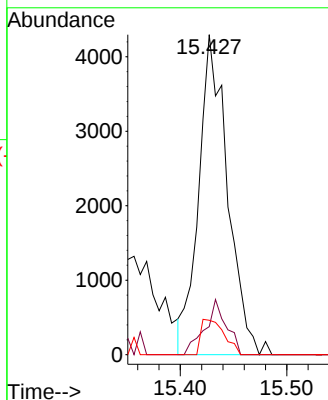
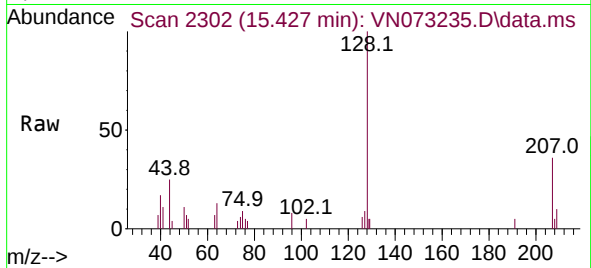




#95
Naphthalene
Concen: 0.573 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOADL

Tgt Ion:	128	Resp:	8114
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	8.8	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.448 ug/l
RT: 15.615 min Scan# 2334
Delta R.T. -0.006 min
Lab File: VN073235.D
Acq: 29 Jun 2022 11:45

Tgt Ion:	180	Resp:	1621
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.8	143.3
145	26.2	15.5	46.5

