

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072182.D
 Acq On : 25 Apr 2022 16:16
 Operator : JC\MD
 Sample : PB144332ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332ZHE#01

Quant Time: Apr 26 05:39:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

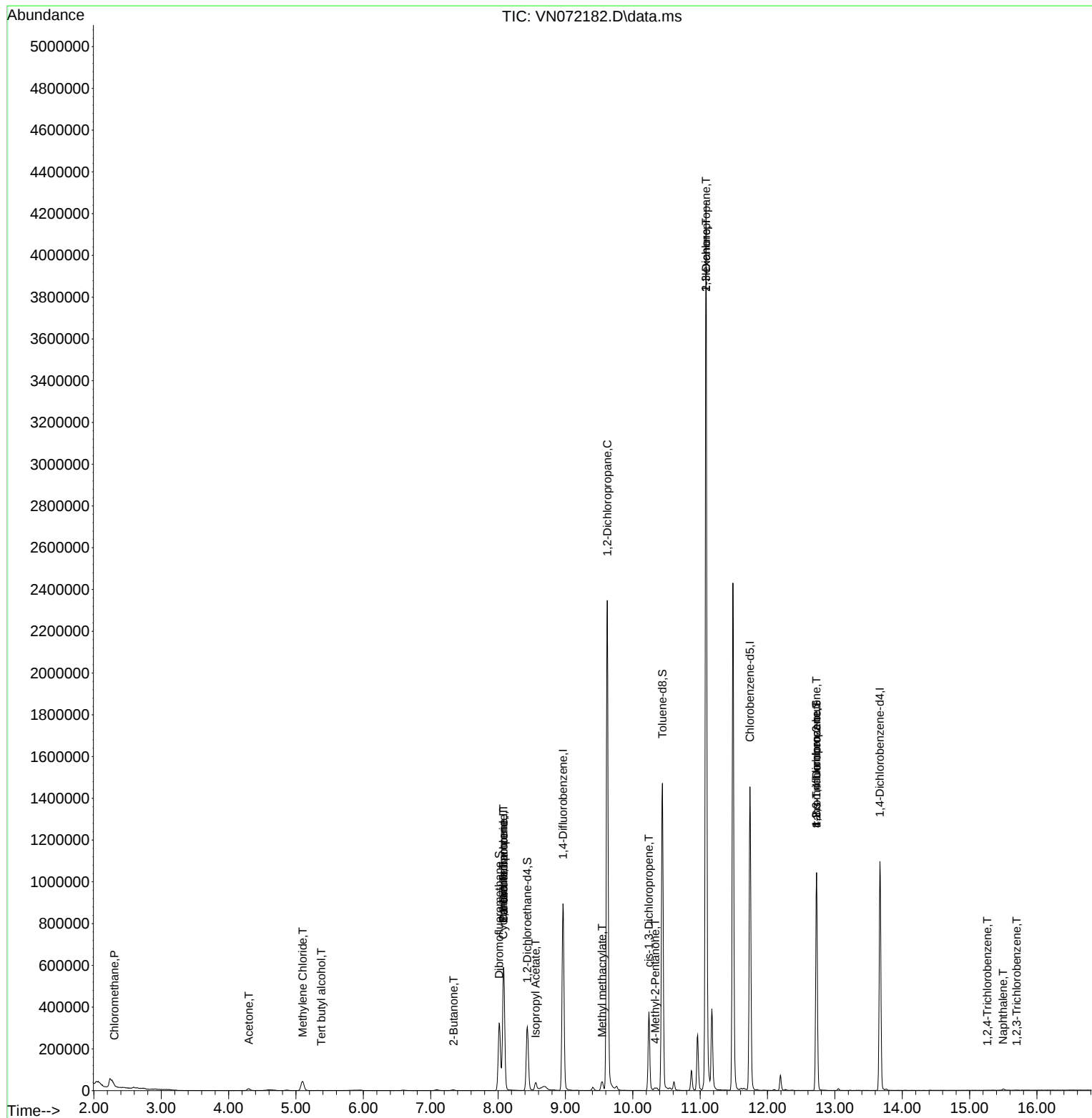
Internal Standards						
1) Pentafluorobenzene	8.080	168	508445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	867083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	937294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	344584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	256088	44.119	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	88.240%
35) Dibromofluoromethane	8.016	113	241748	47.380	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.760%
50) Toluene-d8	10.439	98	1114635	53.403	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.800%
62) 4-Bromofluorobenzene	12.727	95	378432	56.061	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1742	0.340	ug/l #	43
11) Tert butyl alcohol	5.375	59	197	0.209	ug/l #	72
16) Acetone	4.298	43	15368	6.195	ug/l	93
18) Methyl Acetate	4.863	43	4770	Below Cal		98
20) Methylene Chloride	5.098	84	39961	7.643	ug/l	92
25) 2-Butanone	7.339	43	5381	1.505	ug/l #	88
31) Cyclohexane	8.075	56	7279	0.922	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	31033	4.355	ug/l #	49
38) Carbon Tetrachloride	8.080	117	44190	6.328	ug/l #	16
43) Isopropyl Acetate	8.557	43	44878	3.460	ug/l #	92
45) 1,2-Dichloropropane	9.622	63	3467	0.617	ug/l #	44
48) Methyl methacrylate	9.545	41	10558	1.962	ug/l #	10
49) 1,4-Dioxane	9.610	88	62	Below Cal	#	25
51) 4-Methyl-2-Pentanone	10.333	43	7529	1.010	ug/l	96
54) cis-1,3-Dichloropropene	10.239	75	80765	9.280	ug/l #	56
57) 1,3-Dichloropropane	11.086	76	49974	5.104	ug/l #	43
59) 2-Hexanone	11.086	43	552694	105.259	ug/l #	51
76) 1,2,3-Trichloropropane	12.727	75	176525	22.114	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	176525	68.530	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	250	2.129	ug/l #	76
95) Naphthalene	15.498	128	7914	4.269	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.698	180	343	2.476	ug/l #	66

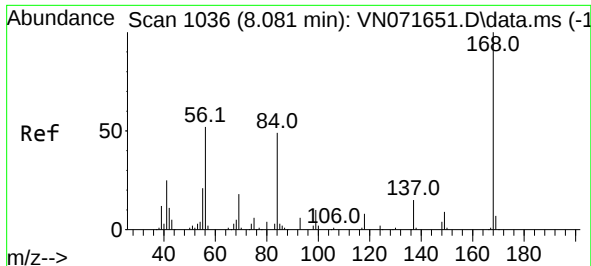
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
Data File : VN072182.D
Acq On : 25 Apr 2022 16:16
Operator : JC\MD
Sample : PB144332ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#01

Quant Time: Apr 26 05:39:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

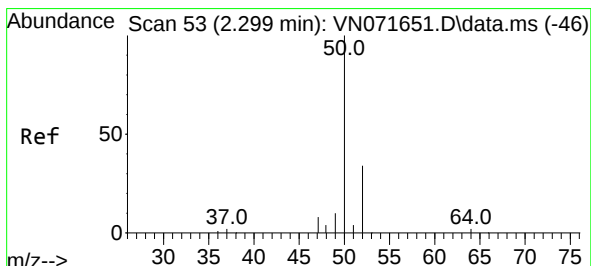
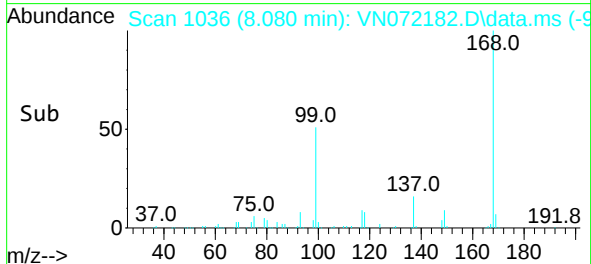
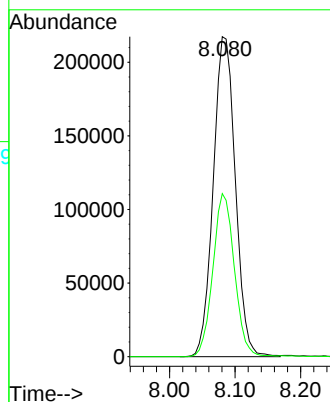
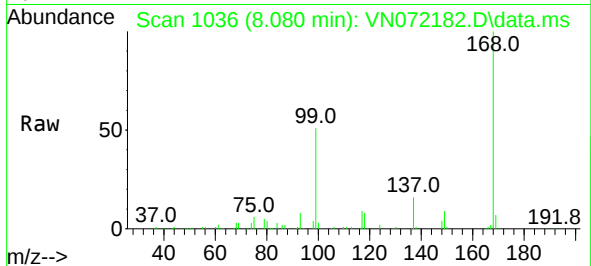




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

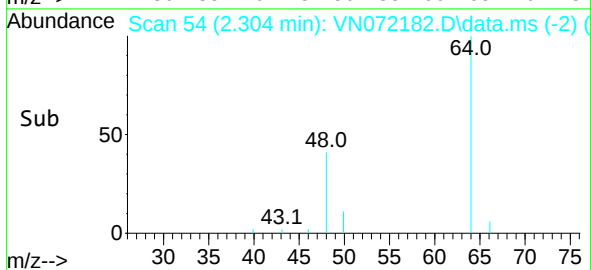
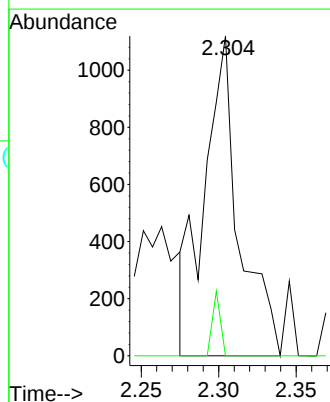
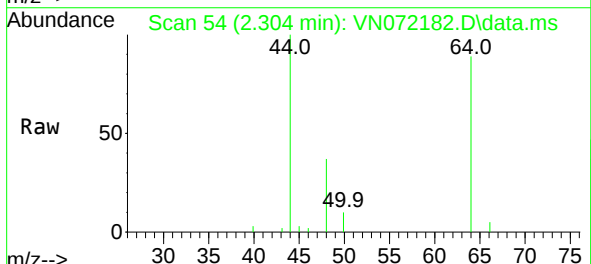
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#01

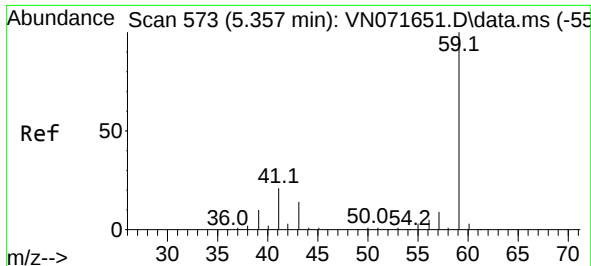
Tgt Ion:168 Resp: 508445
Ion Ratio Lower Upper
168 100
99 51.0 42.3 63.5



#3
Chloromethane
Concen: 0.340 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

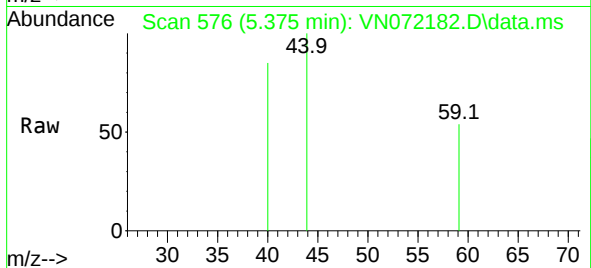
Tgt Ion: 50 Resp: 1742
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5



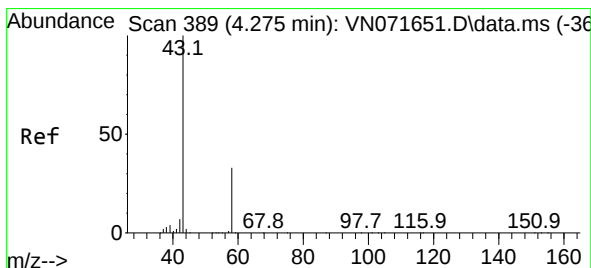
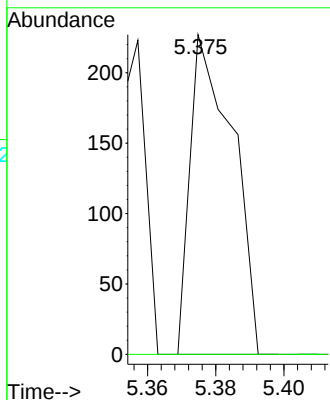
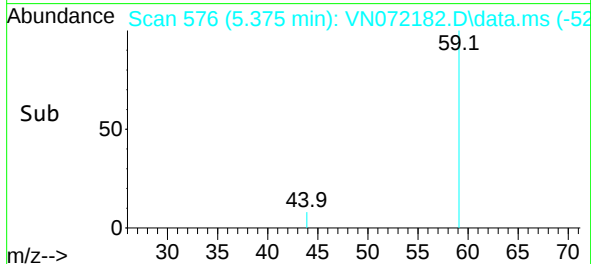


#11
Tert butyl alcohol
Concen: 0.209 ug/l
RT: 5.375 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

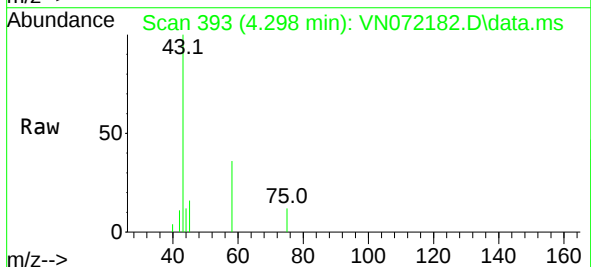
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#01



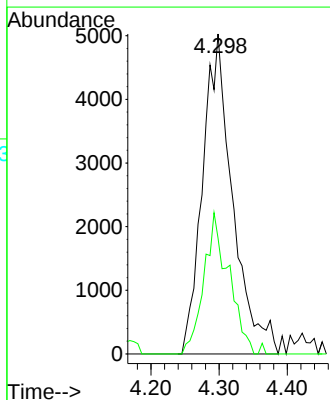
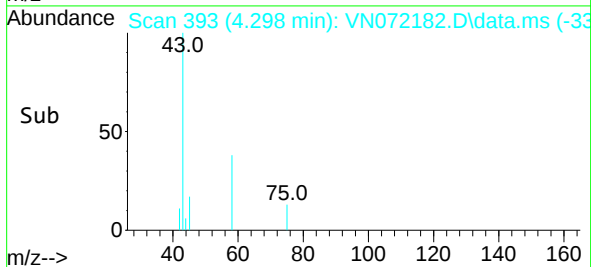
Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

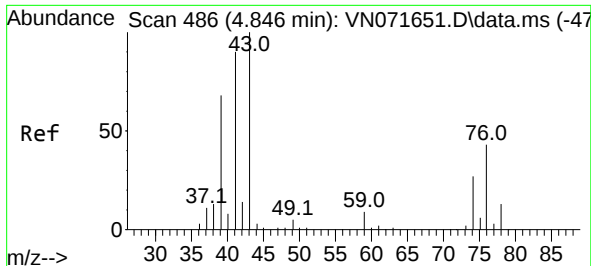


#16
Acetone
Concen: 6.195 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.023 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16



Tgt Ion: 43 Resp: 15368
Ion Ratio Lower Upper
43 100
58 36.2 26.0 39.0

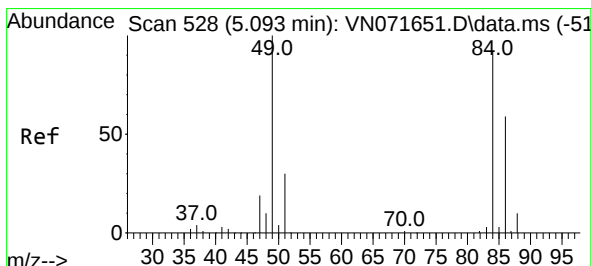
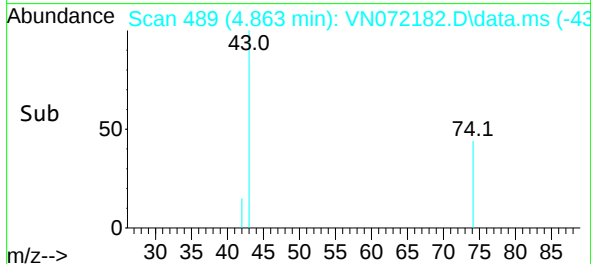
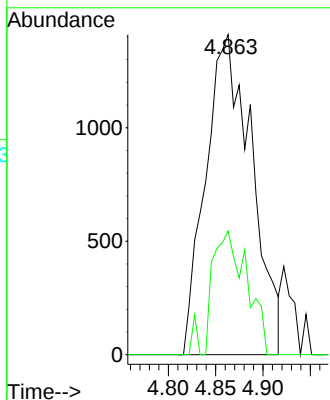
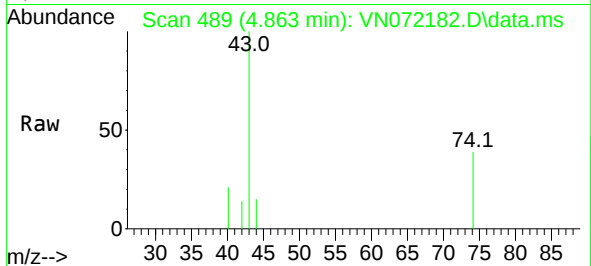




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

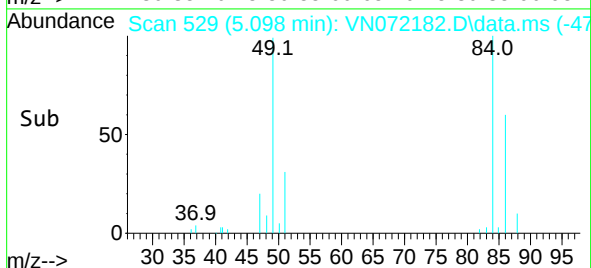
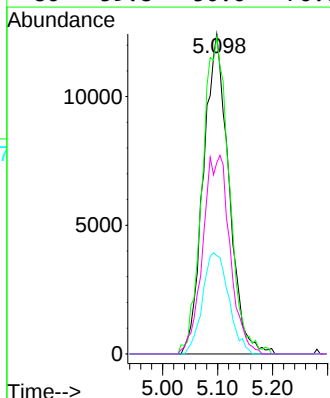
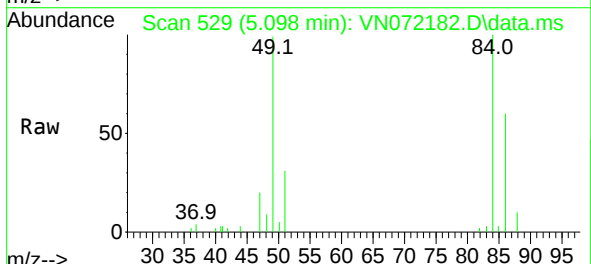
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#01

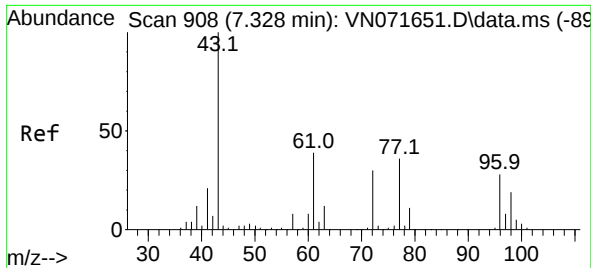
Tgt Ion: 43 Resp: 4770
Ion Ratio Lower Upper
43 100
74 28.2 21.6 32.4



#20
Methylene Chloride
Concen: 7.643 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

Tgt Ion: 84 Resp: 39961
Ion Ratio Lower Upper
84 100
49 99.0 88.3 132.5
51 30.7 28.2 42.2
86 59.8 50.6 76.0

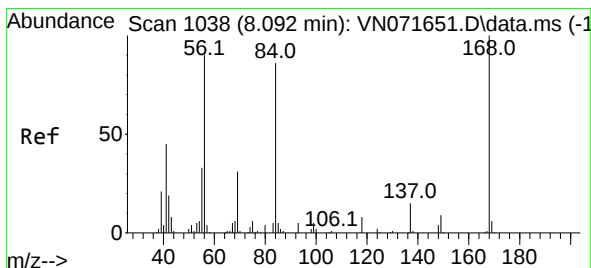
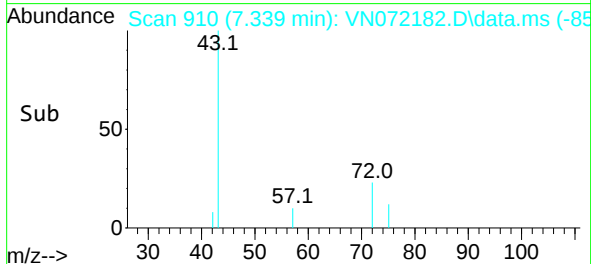
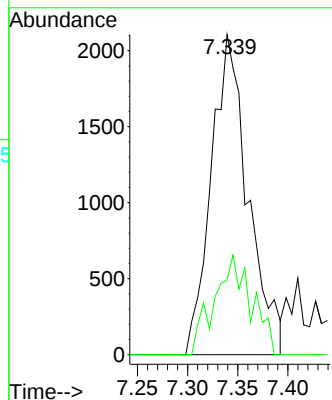
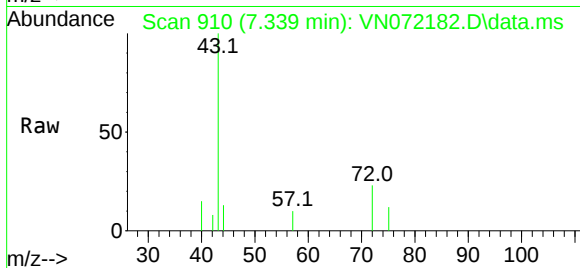




#25
2-Butanone
Concen: 1.505 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

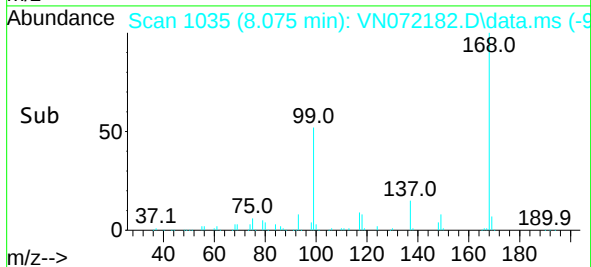
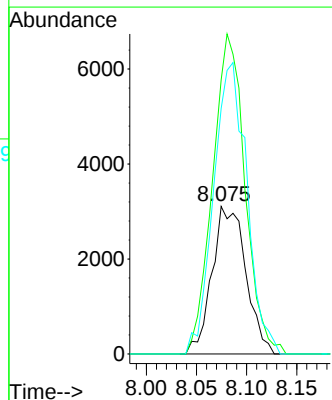
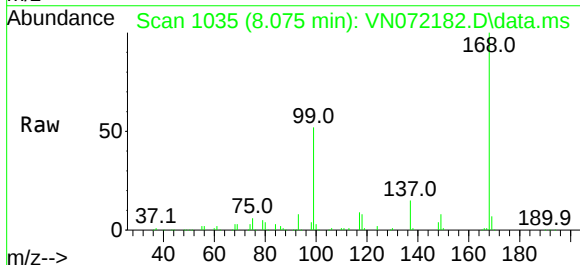
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#01

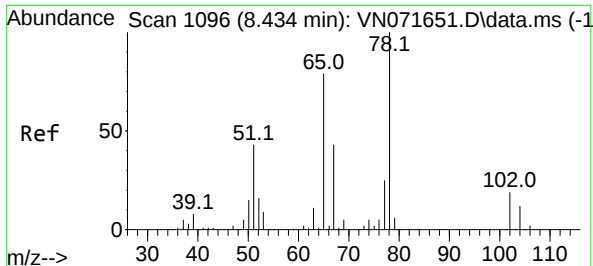
Tgt Ion: 43 Resp: 5381
Ion Ratio Lower Upper
43 100
72 23.4 23.7 35.5#



#31
Cyclohexane
Concen: 0.922 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.017 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

Tgt Ion: 56 Resp: 7279
Ion Ratio Lower Upper
56 100
69 185.8 27.8 41.8#
84 166.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 44.119 ug/l

RT: 8.433 min Scan# 1106

Delta R.T. -0.001 min

Lab File: VN072182.D

Acq: 25 Apr 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

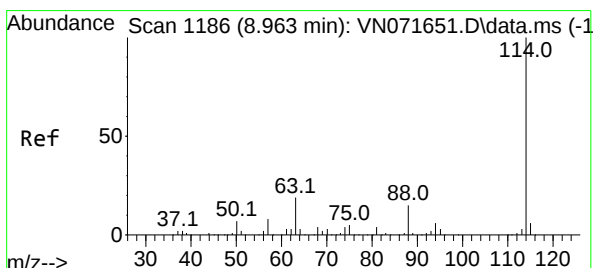
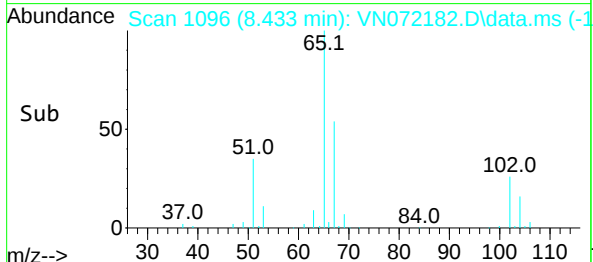
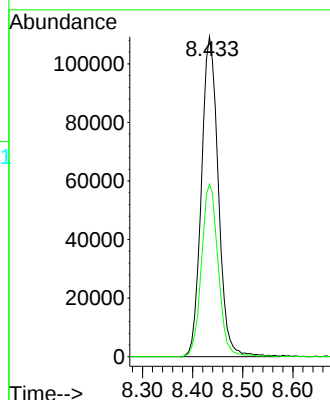
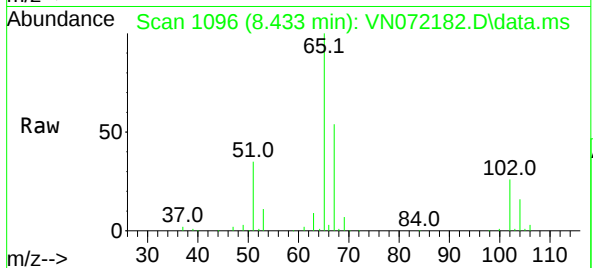
PB144332ZHE#01

Tgt Ion: 65 Resp: 256088

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072182.D

Acq: 25 Apr 2022 16:16

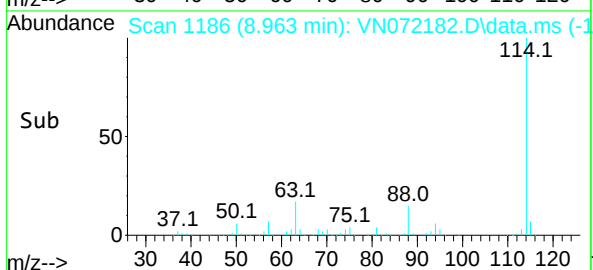
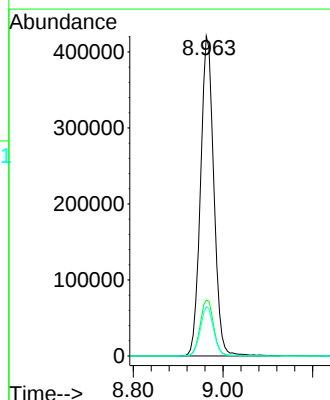
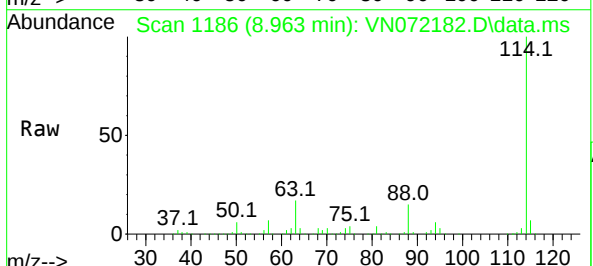
Tgt Ion: 114 Resp: 867083

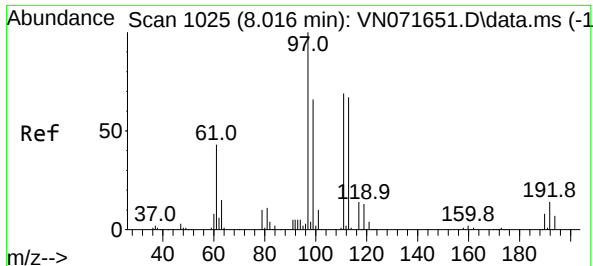
Ion Ratio Lower Upper

114 100

63 17.4 0.0 40.0

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.380 ug/l

RT: 8.016 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VN072182.D

Acq: 25 Apr 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#01

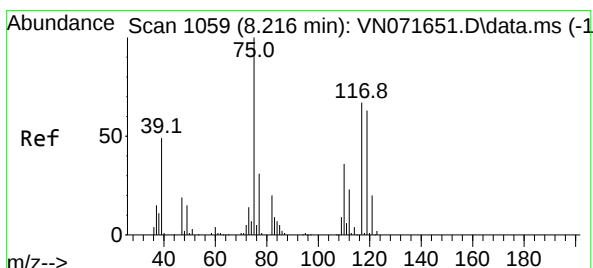
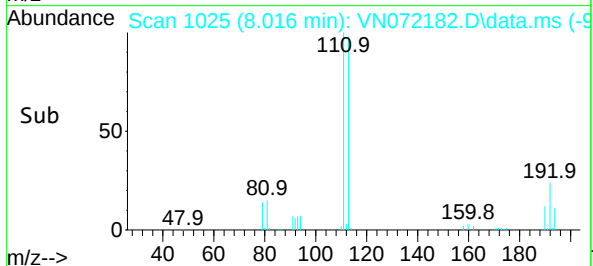
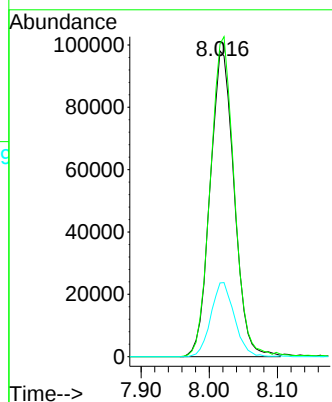
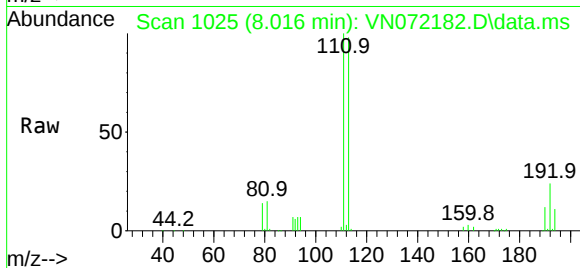
Tgt Ion:113 Resp: 241748

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

192 23.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.355 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

Lab File: VN072182.D

Acq: 25 Apr 2022 16:16

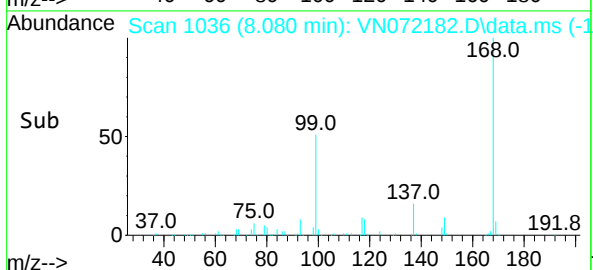
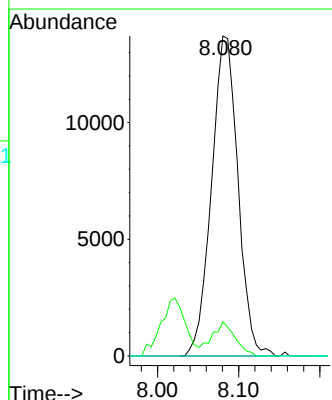
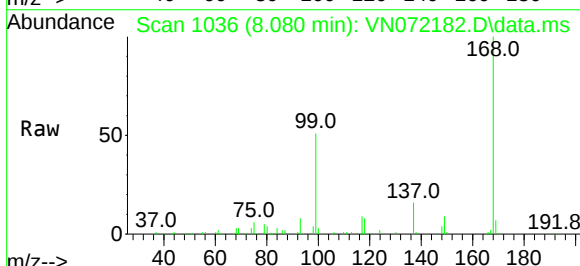
Tgt Ion: 75 Resp: 31033

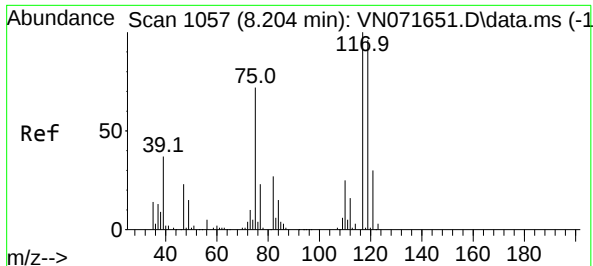
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

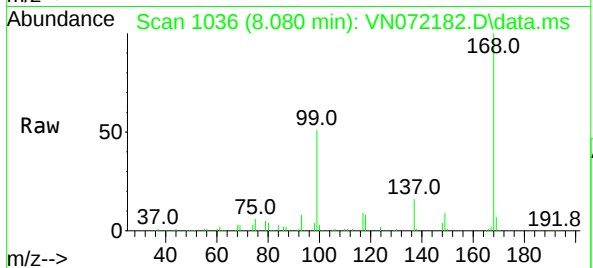
77 0.0 25.1 37.7#



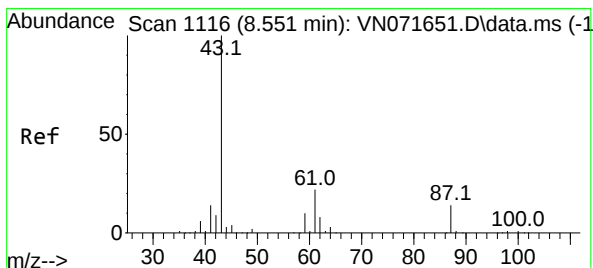
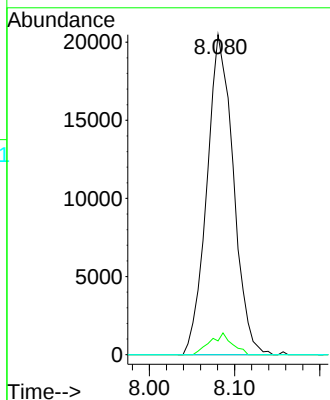
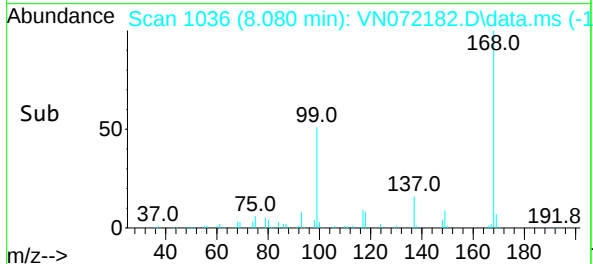


#38
Carbon Tetrachloride
Concen: 6.328 ug/l
RT: 8.080 min Scan# 1117
Delta R.T. -0.124 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

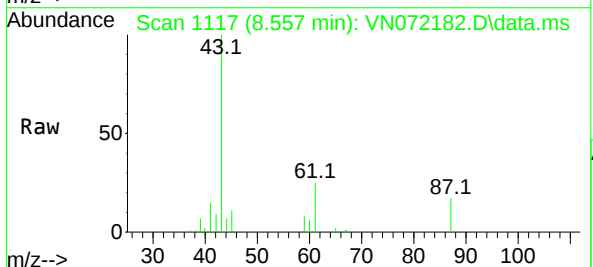
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#01



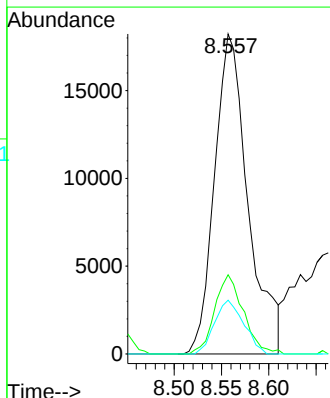
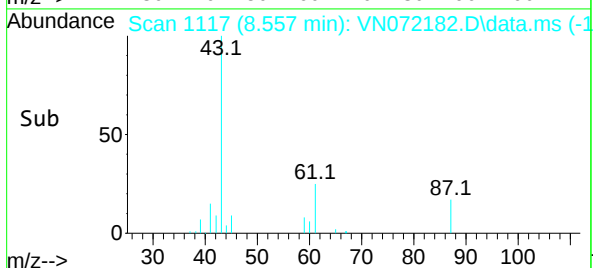
Tgt Ion: 117 Resp: 44190
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 24.6 37.0#

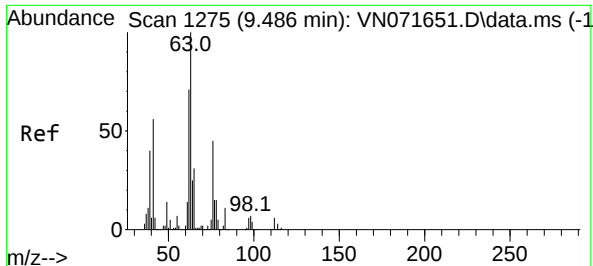


#43
Isopropyl Acetate
Concen: 3.460 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16



Tgt Ion: 43 Resp: 44878
Ion Ratio Lower Upper
43 100
61 21.3 21.9 32.9#
87 14.6 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.617 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN072182.D

Acq: 25 Apr 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

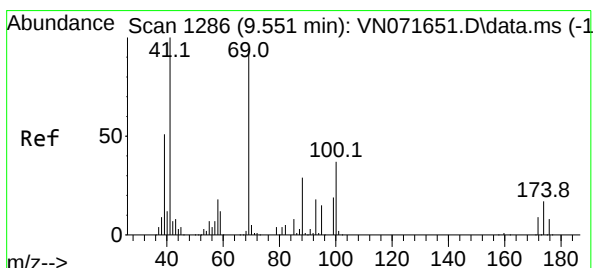
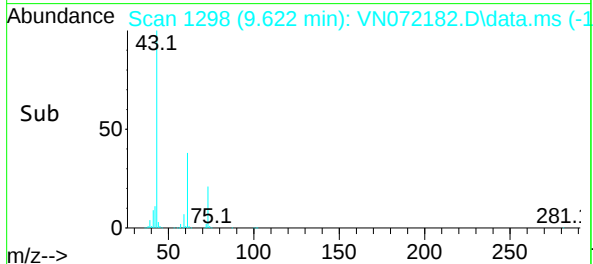
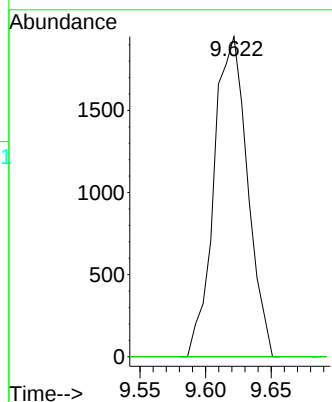
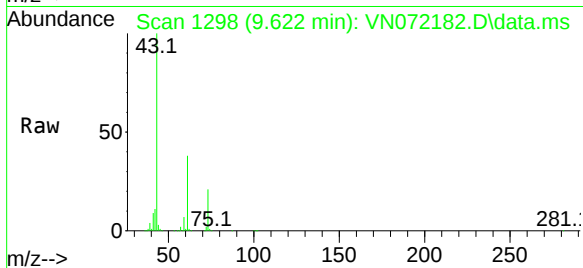
PB144332ZHE#01

Tgt Ion: 63 Resp: 3467

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.962 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.006 min

Lab File: VN072182.D

Acq: 25 Apr 2022 16:16

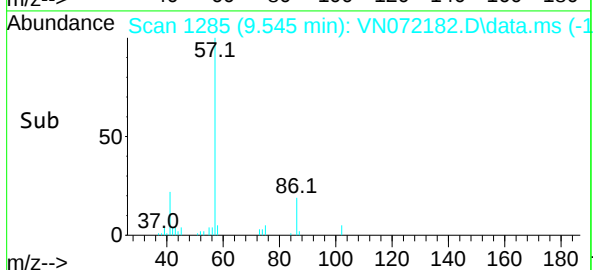
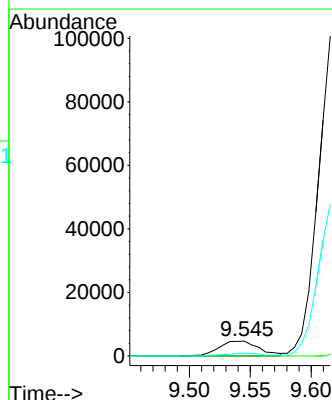
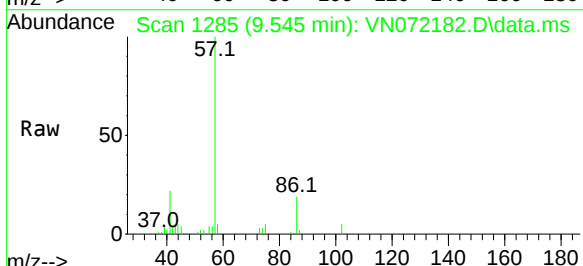
Tgt Ion: 41 Resp: 10558

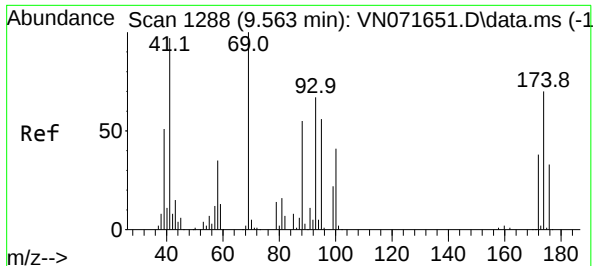
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.610 min Scan# 1296

Delta R.T. 0.047 min

Lab File: VN072182.D

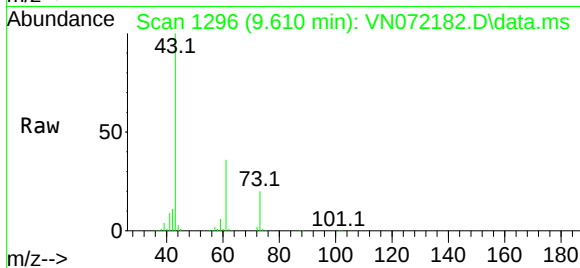
Acq: 25 Apr 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#01



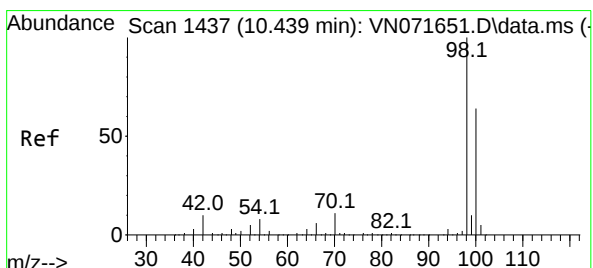
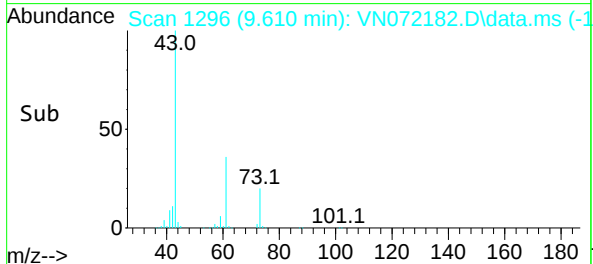
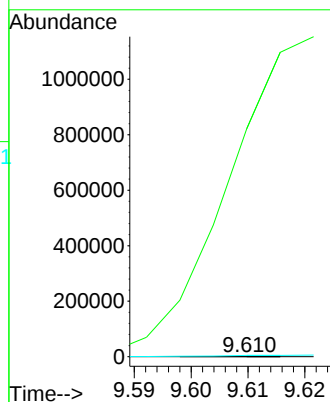
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 53.403 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072182.D

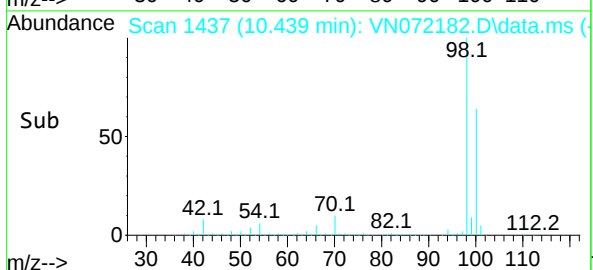
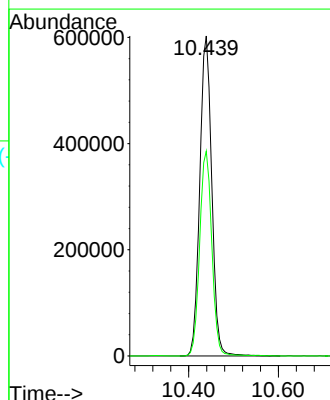
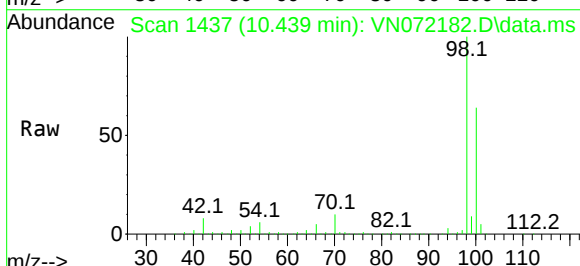
Acq: 25 Apr 2022 16:16

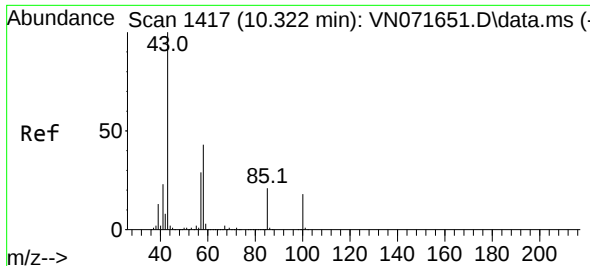
Tgt Ion: 98 Resp: 1114635

Ion Ratio Lower Upper

98 100

100 64.8 52.6 78.8

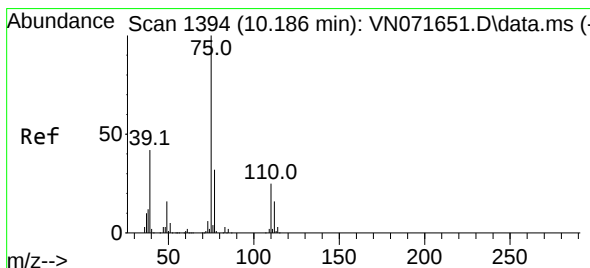
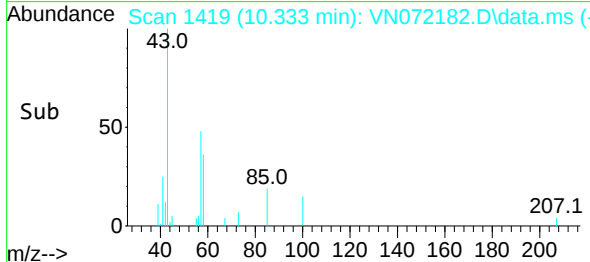
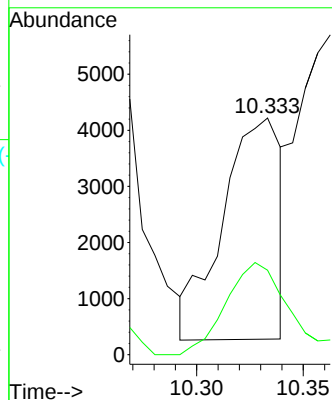
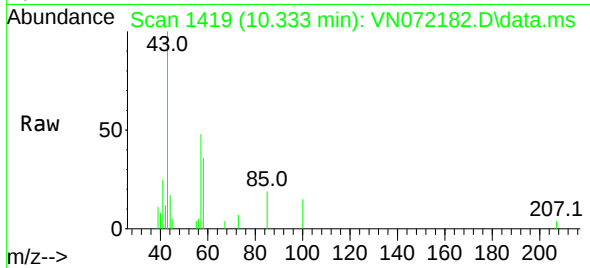




#51
4-Methyl-2-Pentanone
Concen: 1.010 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.011 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

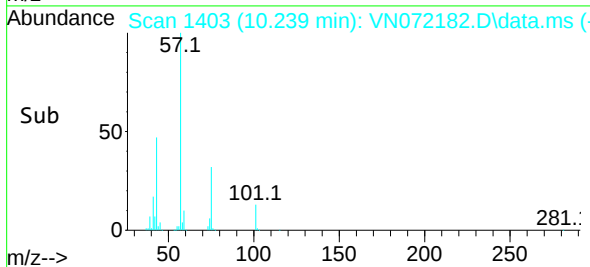
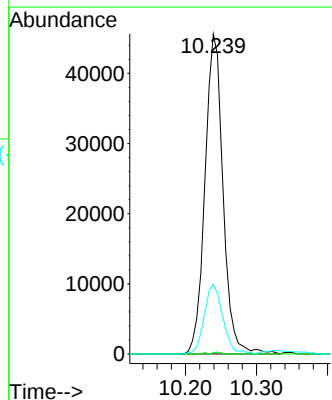
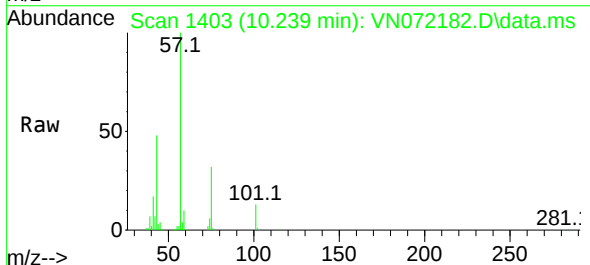
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#01

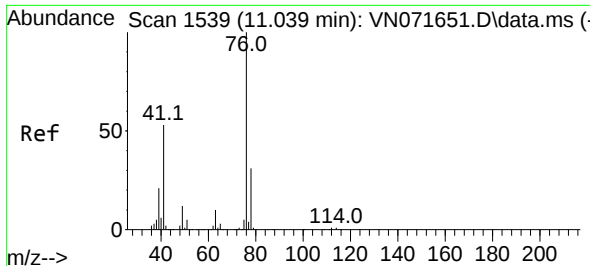
Tgt Ion: 43 Resp: 7529
Ion Ratio Lower Upper
43 100
58 45.0 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 9.280 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

Tgt Ion: 75 Resp: 80765
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 21.7 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.104 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072182.D

Acq: 25 Apr 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

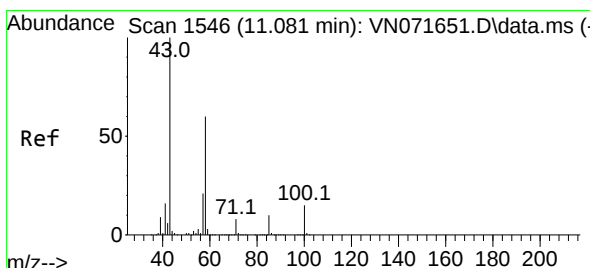
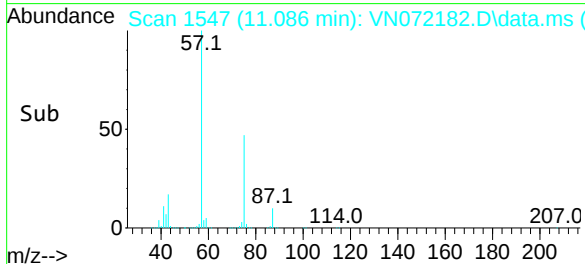
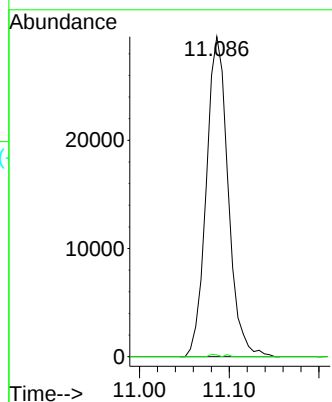
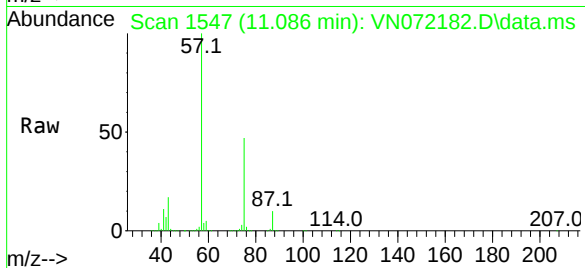
PB144332ZHE#01

Tgt Ion: 76 Resp: 49974

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 105.259 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072182.D

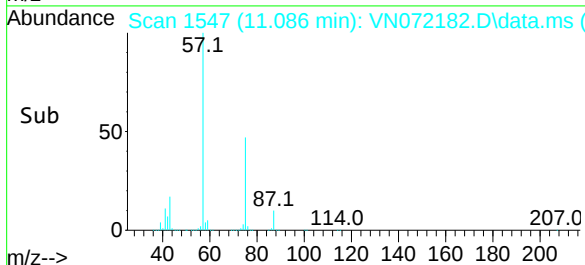
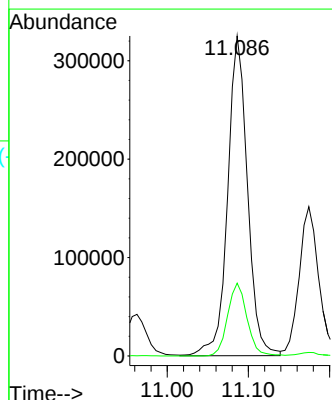
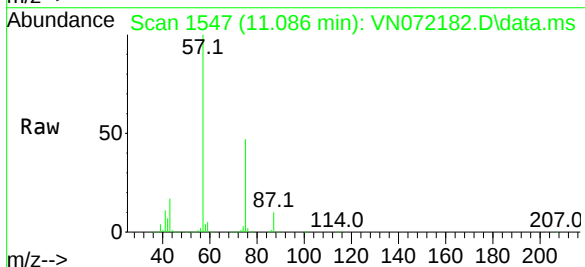
Acq: 25 Apr 2022 16:16

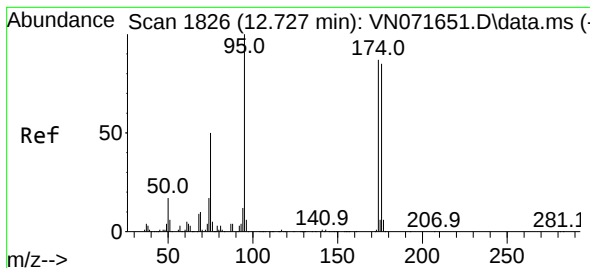
Tgt Ion: 43 Resp: 552694

Ion Ratio Lower Upper

43 100

58 22.2 29.7 89.1#

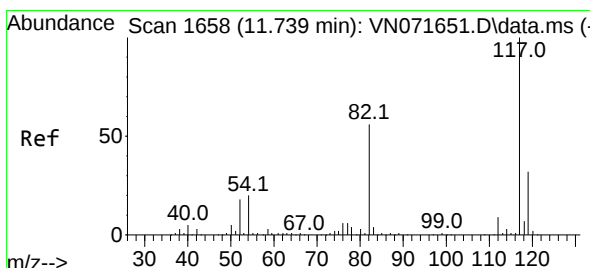
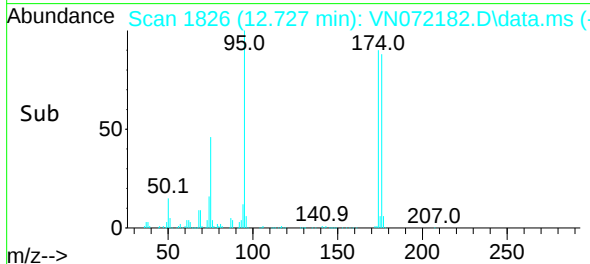
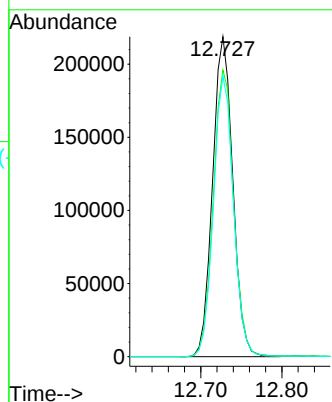
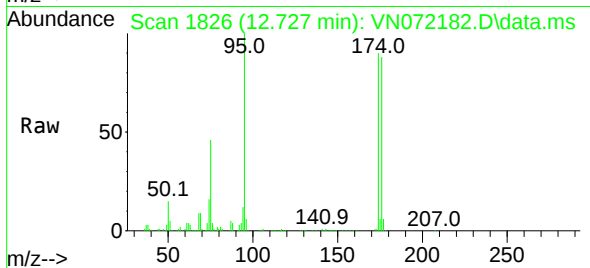




#62
4-Bromofluorobenzene
Concen: 56.061 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

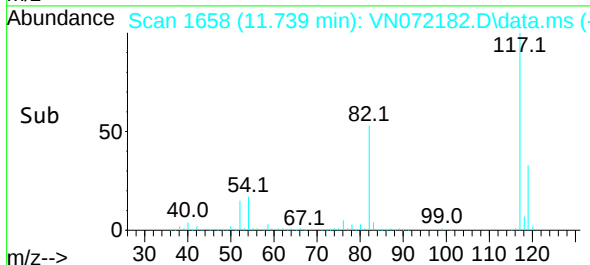
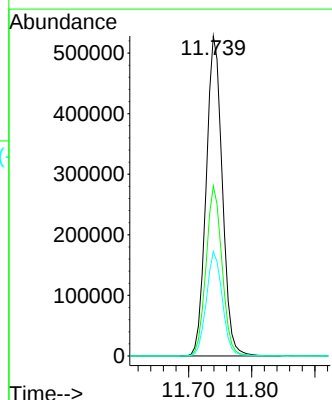
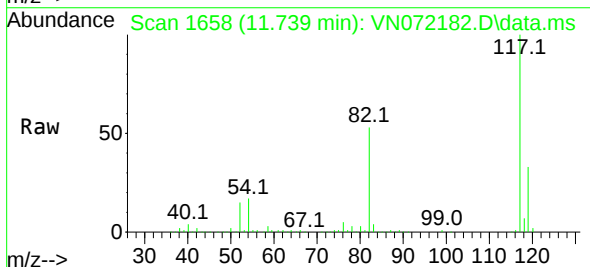
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#01

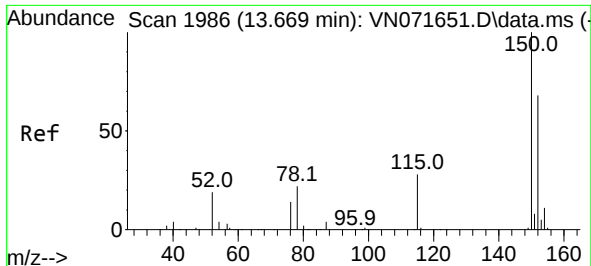
Tgt Ion: 95 Resp: 378432
Ion Ratio Lower Upper
95 100
174 90.1 0.0 167.6
176 86.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

Tgt Ion: 117 Resp: 937294
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.2
119 32.7 25.4 38.0

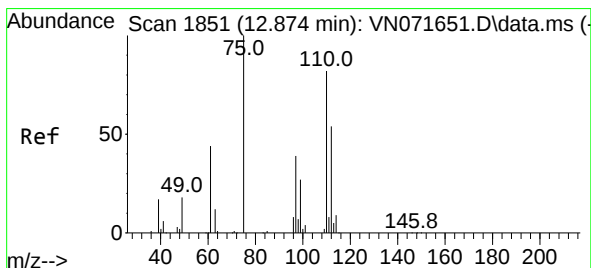
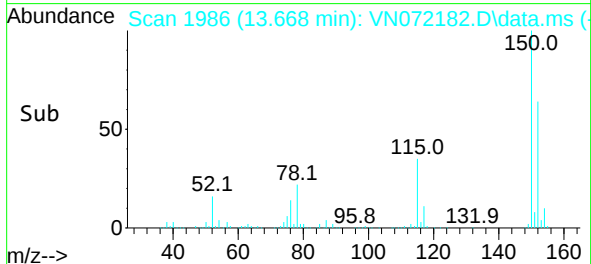
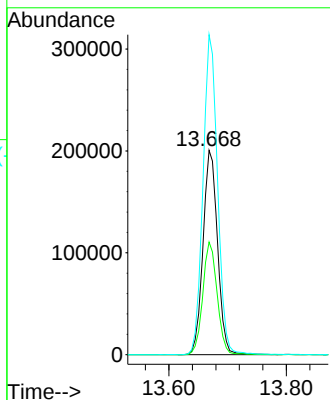
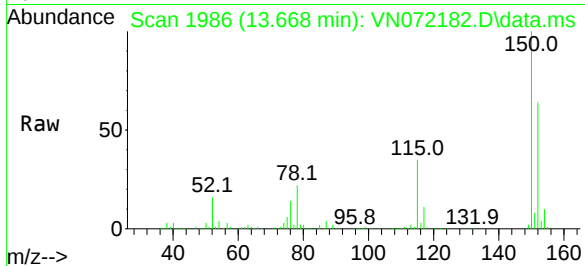




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

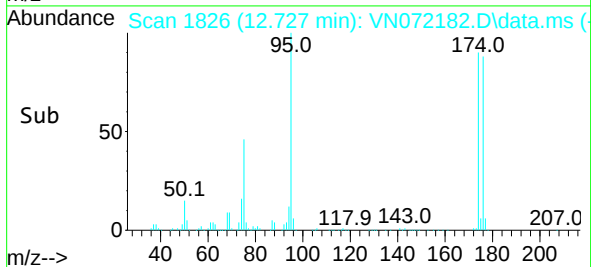
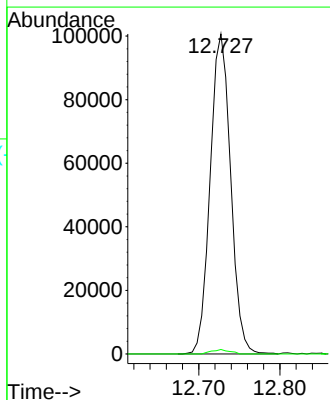
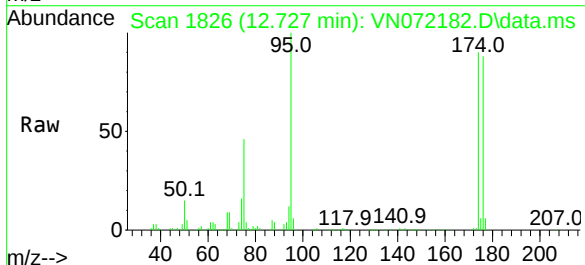
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#01

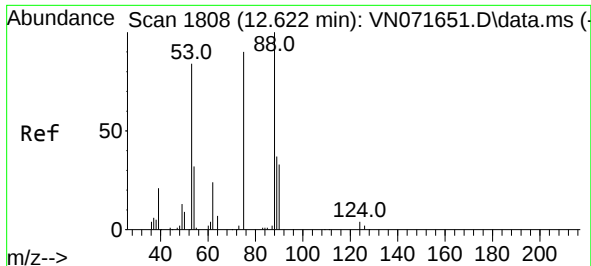
Tgt Ion:152 Resp: 344584
Ion Ratio Lower Upper
152 100
115 54.6 28.9 86.7
150 156.8 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 22.114 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

Tgt Ion: 75 Resp: 176525
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

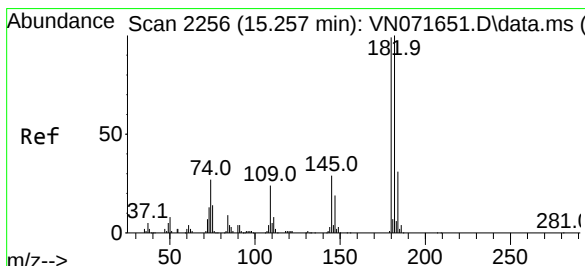
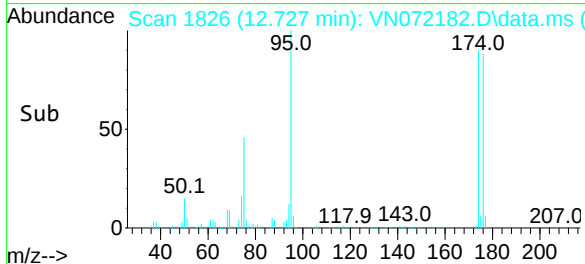
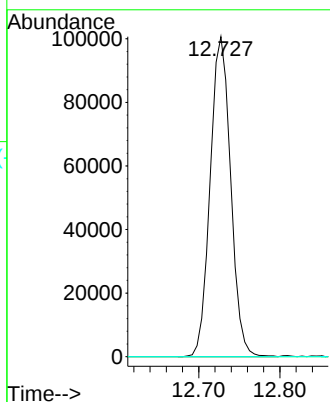
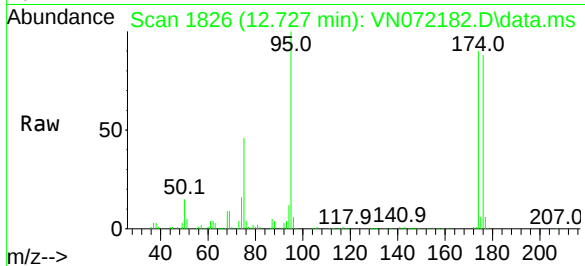




#81
trans-1,4-Dichloro-2-butene
Concen: 68.530 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

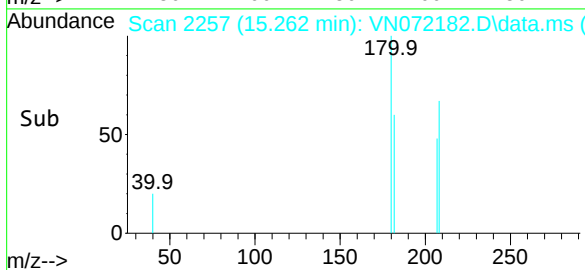
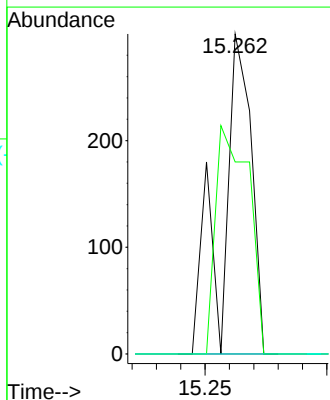
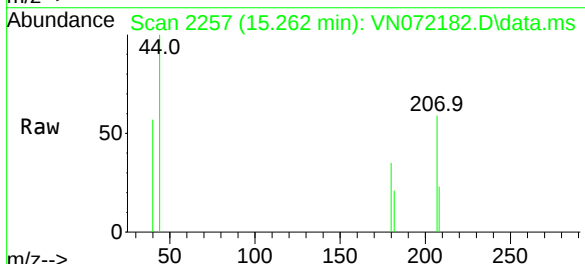
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#01

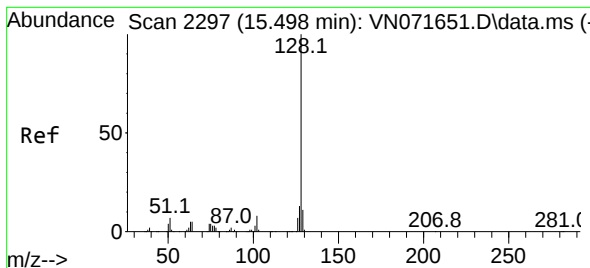
Tgt Ion: 75 Resp: 176525
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.129 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN072182.D
Acq: 25 Apr 2022 16:16

Tgt Ion:180 Resp: 250
Ion Ratio Lower Upper
180 100
182 81.2 47.5 142.5
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.269 ug/l

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN072182.D

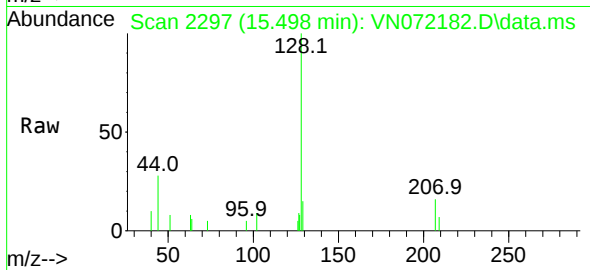
Acq: 25 Apr 2022 16:16

Instrument :

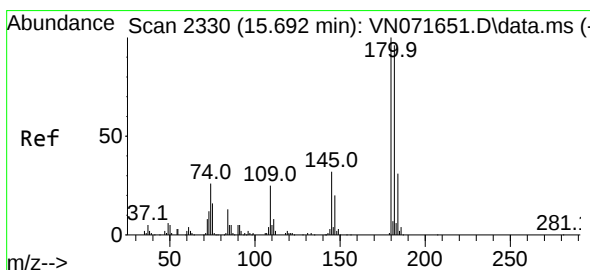
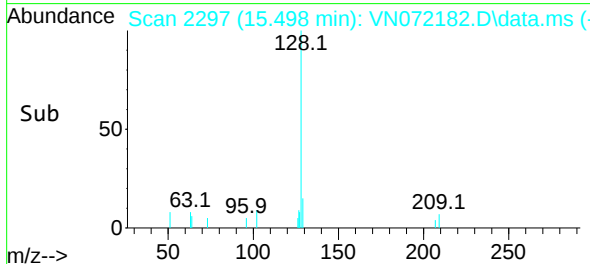
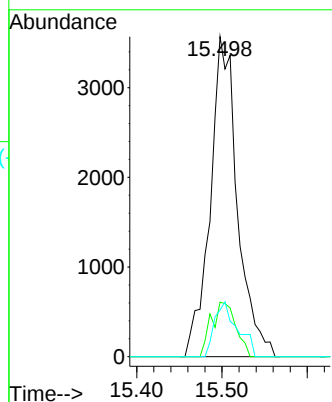
MSVOA_N

ClientSampleId :

PB144332ZHE#01



Tgt Ion:	128	Resp:	7914
Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.3	15.5
129	14.4	8.6	13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.476 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. 0.006 min

Lab File: VN072182.D

Acq: 25 Apr 2022 16:16

Tgt Ion:	180	Resp:	343
Ion	Ratio	Lower	Upper
180	100		
182	69.7	47.8	143.3
145	0.0	15.5	46.5

