

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072858.D
 Acq On : 15 Jun 2022 02:42
 Operator : JC\MD
 Sample : PB145494ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#10

Quant Time: Jun 15 04:38:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 15 04:13:32 2022
 Response via : Initial Calibration

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

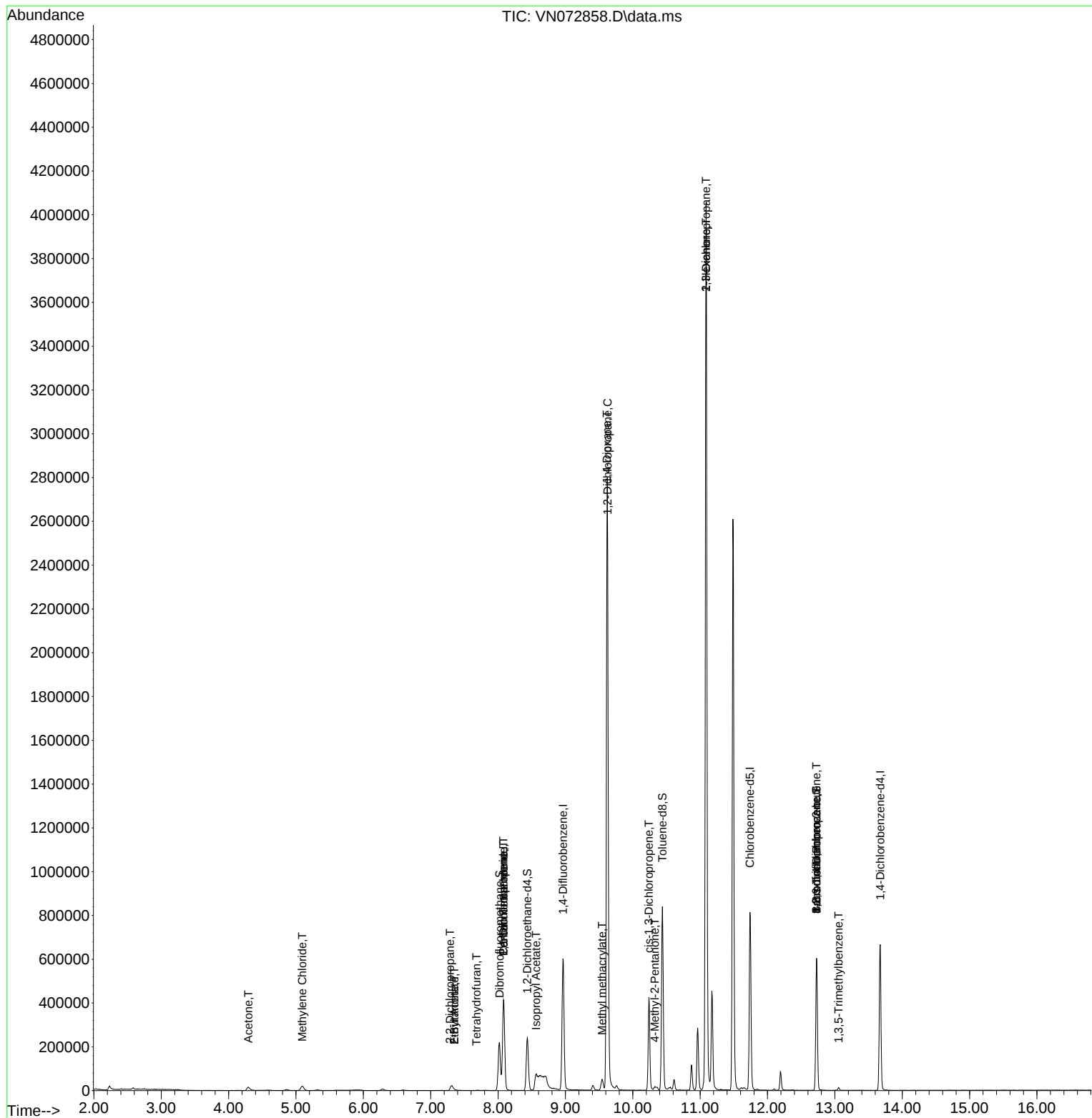
Internal Standards						
1) Pentafluorobenzene	8.081	168	298113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	518320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	463902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	179235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	198288	42.947	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	85.900%		
35) Dibromofluoromethane	8.022	113	161165	50.222	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.440%		
50) Toluene-d8	10.439	98	553392	43.697	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	87.400%		
62) 4-Bromofluorobenzene	12.727	95	214269	50.402	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.800%		
Target Compounds					Qvalue	
3) Chloromethane	2.293	50	426	Below Cal	#	43
6) Chloroethane	3.004	64	269	Below Cal	#	42
16) Acetone	4.293	43	31702	12.285	ug/l	96
17) Carbon Disulfide	4.522	76	111	Below Cal	#	75
18) Methyl Acetate	4.857	43	9741	Below Cal	#	73
20) Methylene Chloride	5.092	84	15657	3.069	ug/l	90
25) 2-Butanone	7.351	43	8069	1.973	ug/l	90
26) 2,2-Dichloropropane	7.286	77	1465	0.303	ug/l #	53
29) Tetrahydrofuran	7.681	42	566	0.217	ug/l #	49
31) Cyclohexane	8.086	56	7586	Below Cal	#	30
36) 1,1-Dichloropropene	8.081	75	26565	6.198	ug/l #	48
37) Ethyl Acetate	7.351	43	8069	1.116	ug/l #	67
38) Carbon Tetrachloride	8.081	117	32786	7.663	ug/l #	17
43) Isopropyl Acetate	8.563	43	101202	9.499	ug/l #	71
45) 1,2-Dichloropropane	9.627	63	3339	0.885	ug/l #	44
48) Methyl methacrylate	9.545	41	15494	3.051	ug/l #	10
49) 1,4-Dioxane	9.616	88	430	4.174	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	6529	0.894	ug/l #	69
54) cis-1,3-Dichloropropene	10.239	75	72618	13.366	ug/l #	66
57) 1,3-Dichloropropane	11.086	76	41654	6.379	ug/l #	42
59) 2-Hexanone	11.086	43	686152	125.158	ug/l #	43
71) Bromoform	12.727	173	1352	0.535	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	114218	22.093	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	5929	0.453	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.727	75	114218	68.706	ug/l #	10

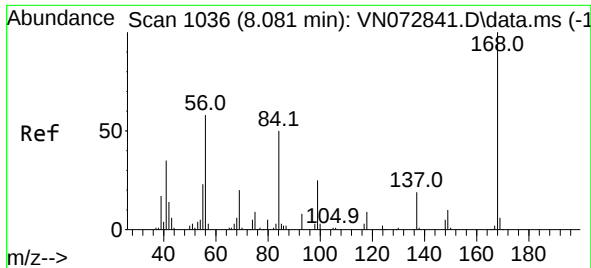
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
Data File : VN072858.D
Acq On : 15 Jun 2022 02:42
Operator : JC\MD
Sample : PB145494ZHE#10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#10

Quant Time: Jun 15 04:38:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 15 04:13:32 2022
Response via : Initial Calibration

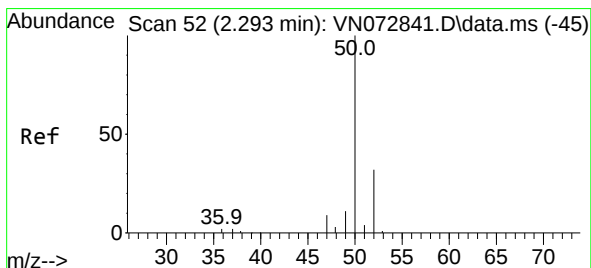
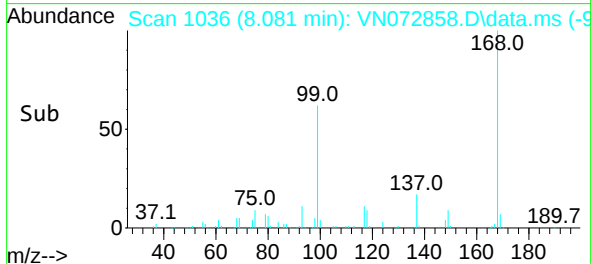
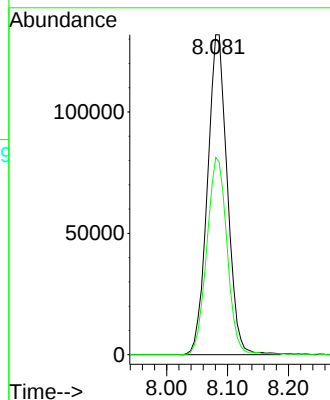
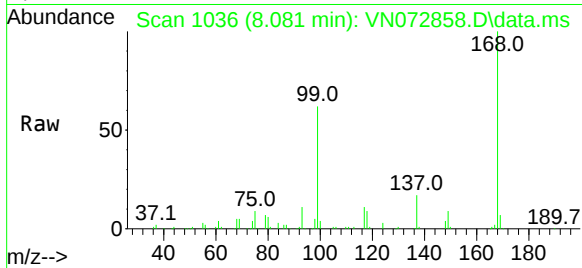




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

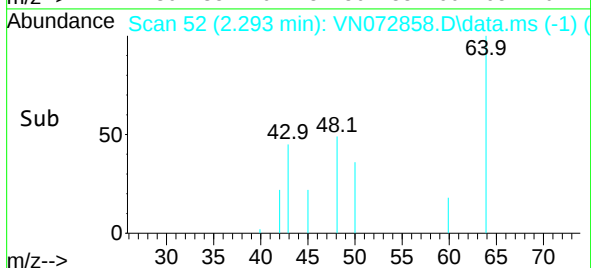
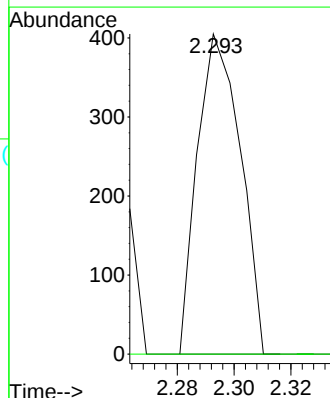
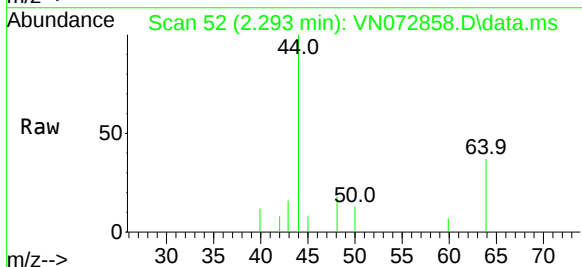
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#10

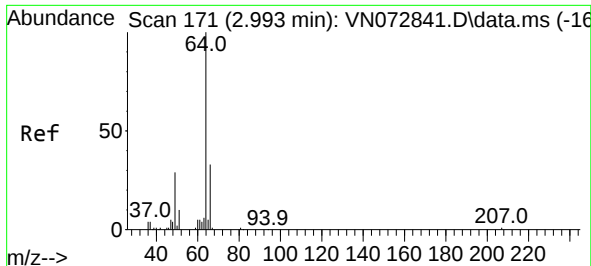
Tgt Ion:168 Resp: 298113
Ion Ratio Lower Upper
168 100
99 61.6 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

Tgt Ion: 50 Resp: 426
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

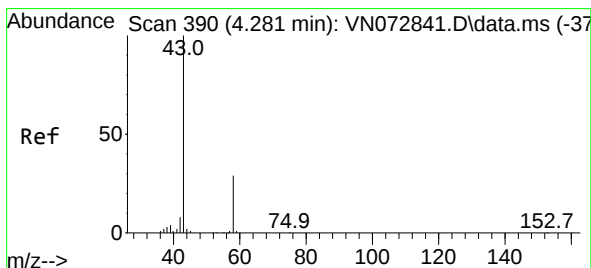
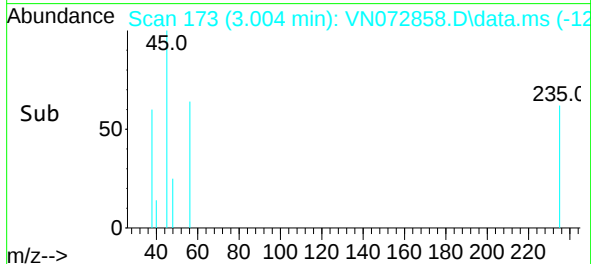
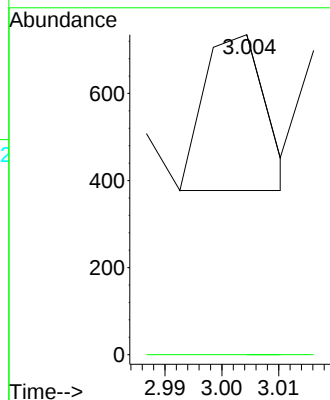
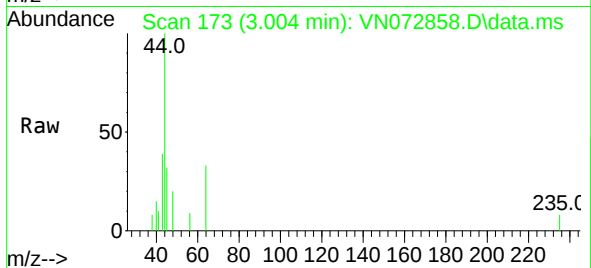




#6
Chloroethane
Concen: Below Cal
RT: 3.004 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

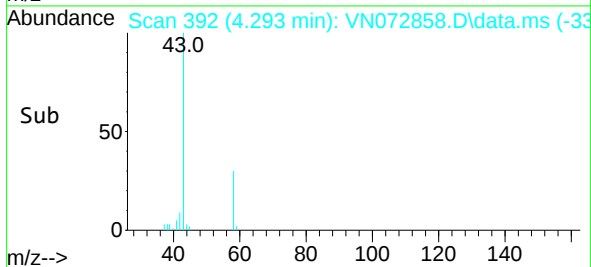
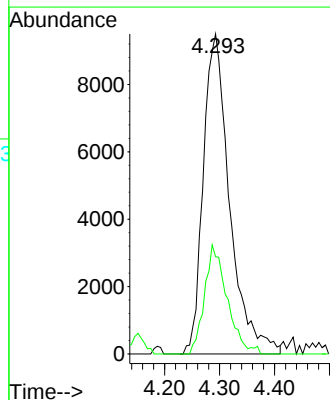
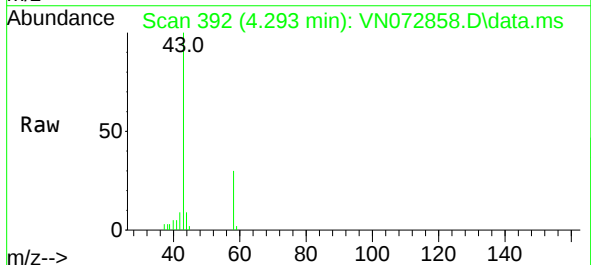
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#10

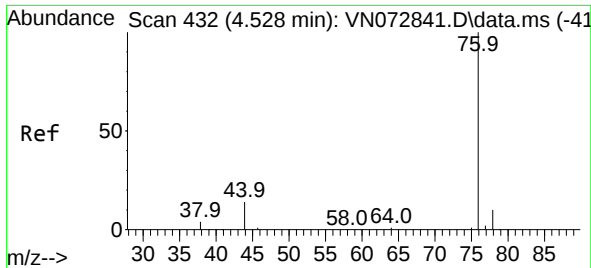
Tgt Ion: 64 Resp: 269
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 12.285 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

Tgt Ion: 43 Resp: 31702
Ion Ratio Lower Upper
43 100
58 30.4 26.0 39.0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.522 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN072858.D

Acq: 15 Jun 2022 02:42

Instrument :

MSVOA_N

ClientSampleId :

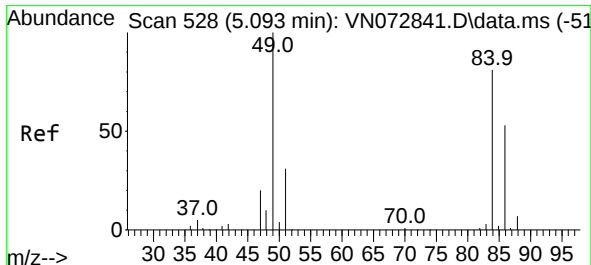
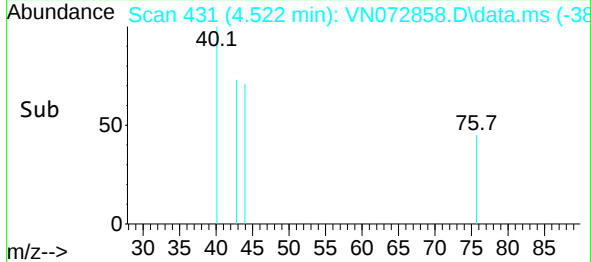
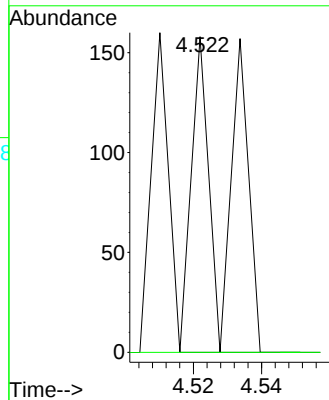
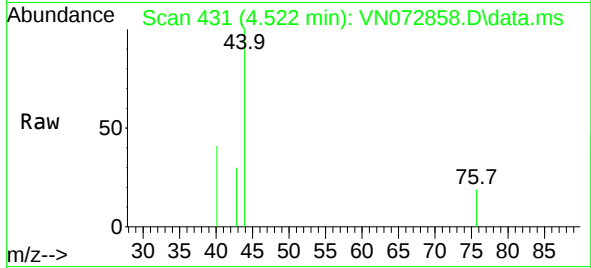
PB145494ZHE#10

Tgt Ion: 76 Resp: 111

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 3.069 ug/l

RT: 5.092 min Scan# 528

Delta R.T. -0.001 min

Lab File: VN072858.D

Acq: 15 Jun 2022 02:42

Tgt Ion: 84 Resp: 15657

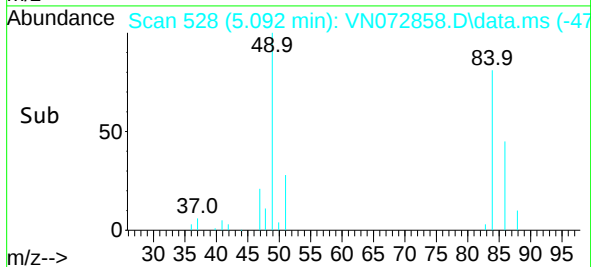
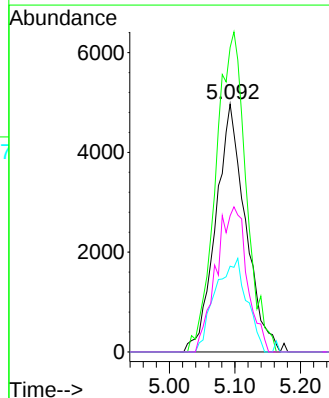
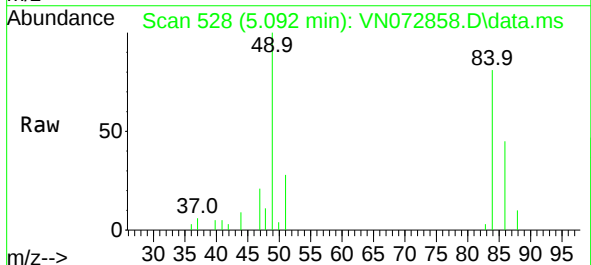
Ion Ratio Lower Upper

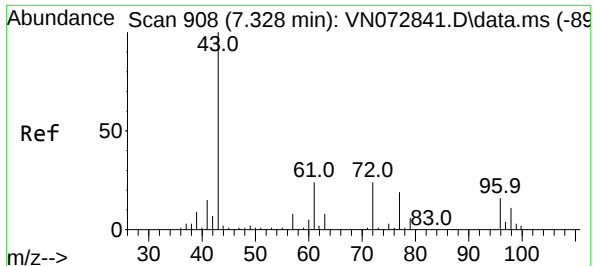
84 100

49 122.9 88.3 132.5

51 34.6 28.2 42.2

86 54.9 50.6 76.0





#25

2-Butanone

Concen: 1.973 ug/l

RT: 7.351 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN072858.D

Acq: 15 Jun 2022 02:42

Instrument :

MSVOA_N

ClientSampleId :

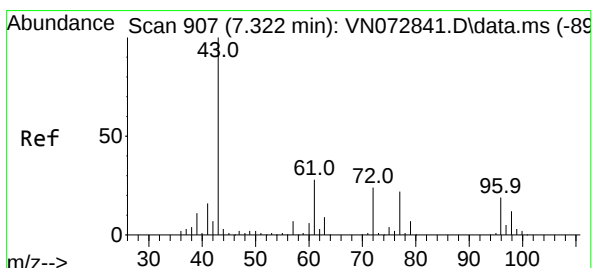
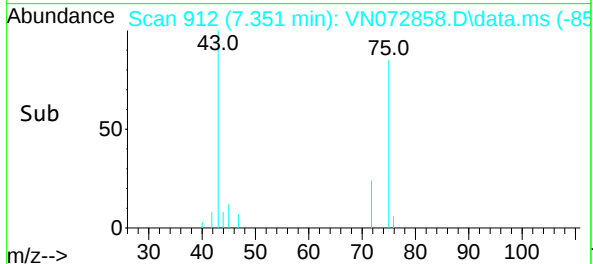
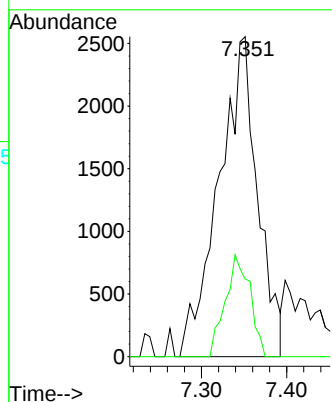
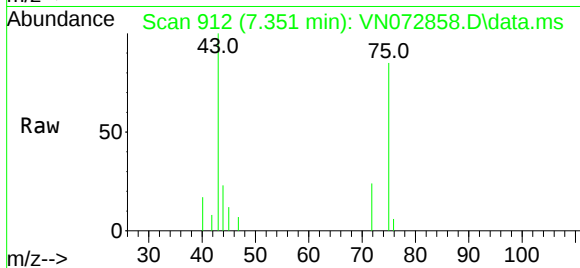
PB145494ZHE#10

Tgt Ion: 43 Resp: 8069

Ion Ratio Lower Upper

43 100

72 24.2 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.303 ug/l

RT: 7.286 min Scan# 901

Delta R.T. -0.036 min

Lab File: VN072858.D

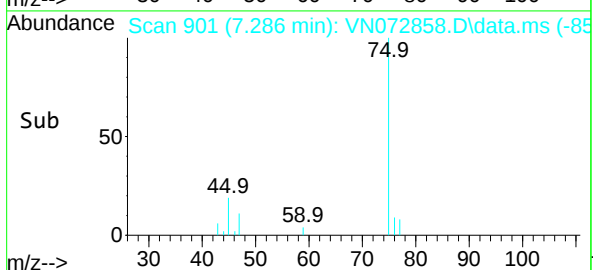
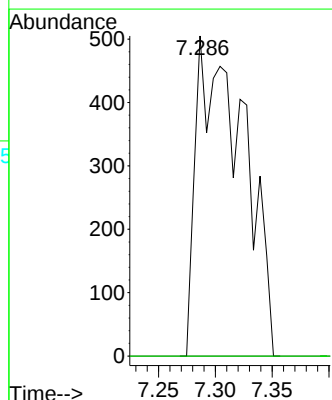
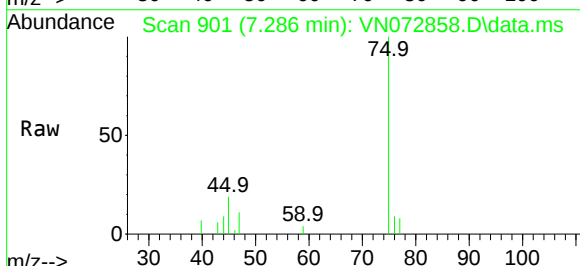
Acq: 15 Jun 2022 02:42

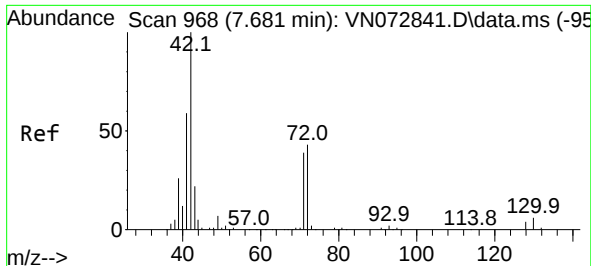
Tgt Ion: 77 Resp: 1465

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.217 ug/l

RT: 7.681 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN072858.D

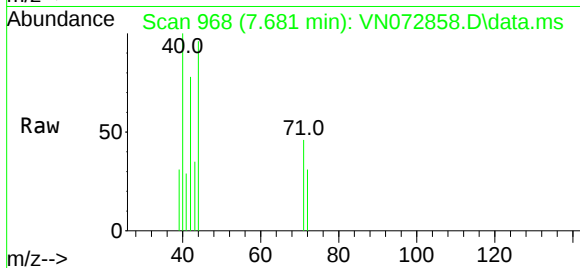
Acq: 15 Jun 2022 02:42

Instrument :

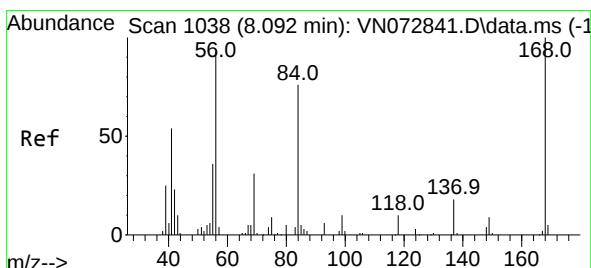
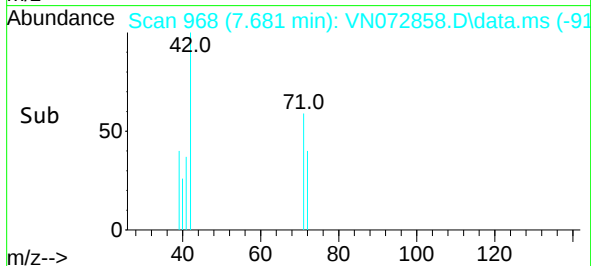
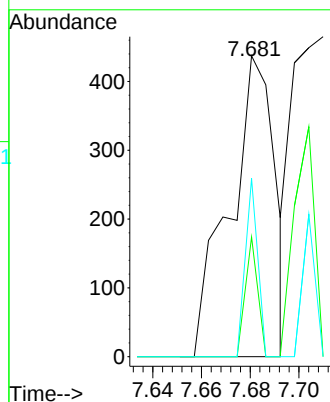
MSVOA_N

ClientSampleId :

PB145494ZHE#10



Tgt Ion:	42	Resp:	566
Ion Ratio	Lower	Upper	
42	100		
72	10.8	39.7	59.5#
71	16.1	36.6	55.0#



#31

Cyclohexane

Concen: Below Cal

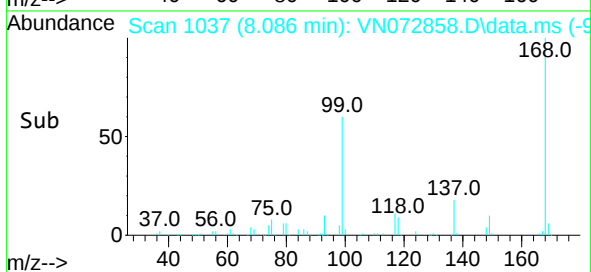
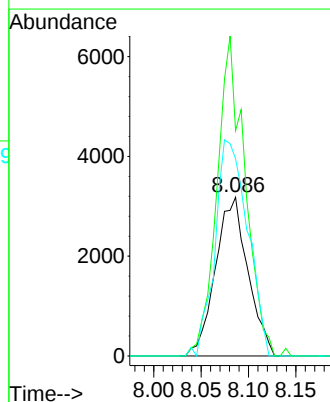
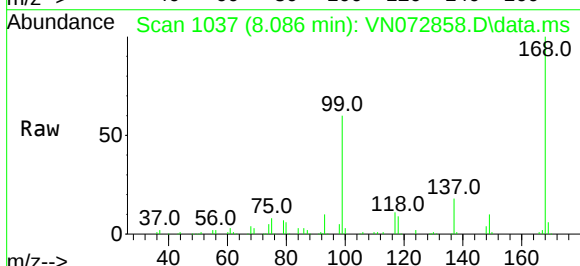
RT: 8.086 min Scan# 1037

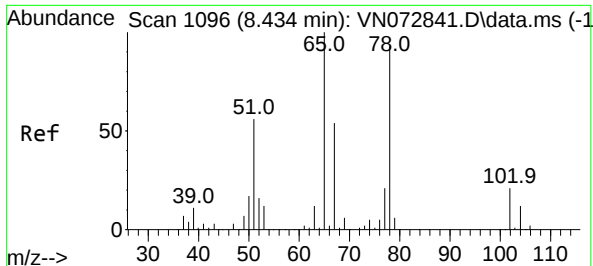
Delta R.T. -0.006 min

Lab File: VN072858.D

Acq: 15 Jun 2022 02:42

Tgt Ion:	56	Resp:	7586
Ion Ratio	Lower	Upper	
56	100		
69	141.9	27.8	41.8#
84	124.3	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 42.947 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. -0.001 min

Lab File: VN072858.D

Acq: 15 Jun 2022 02:42

Instrument :

MSVOA_N

ClientSampleId :

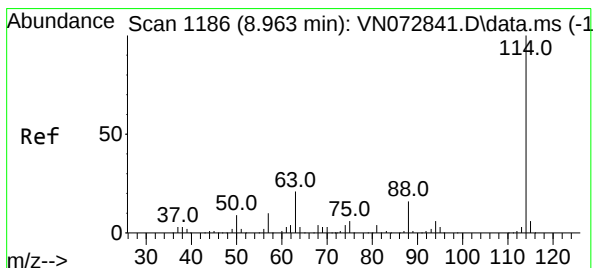
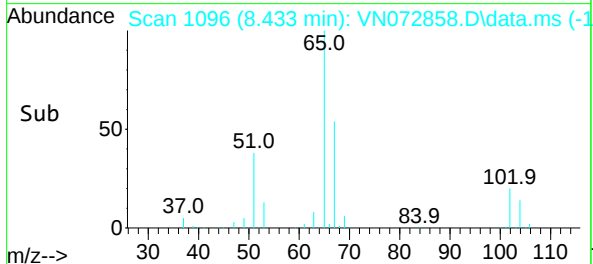
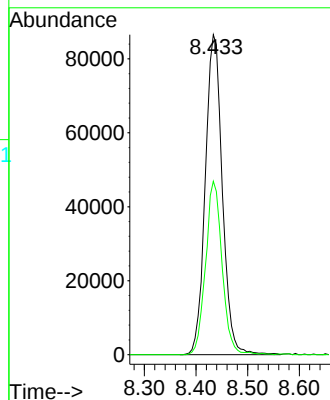
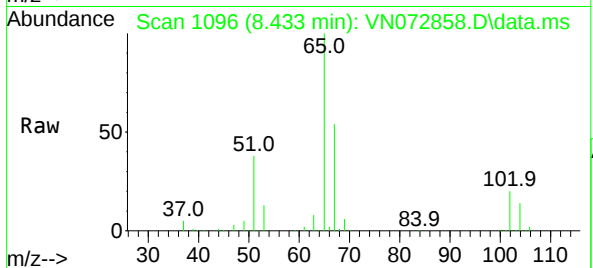
PB145494ZHE#10

Tgt Ion: 65 Resp: 198288

Ion Ratio Lower Upper

65 100

67 52.3 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: VN072858.D

Acq: 15 Jun 2022 02:42

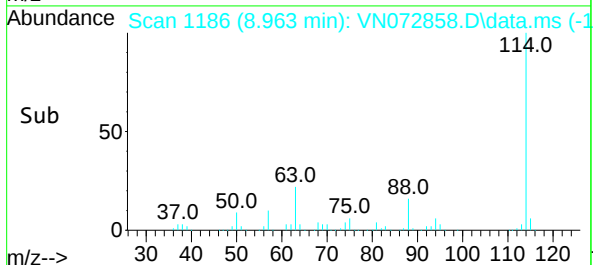
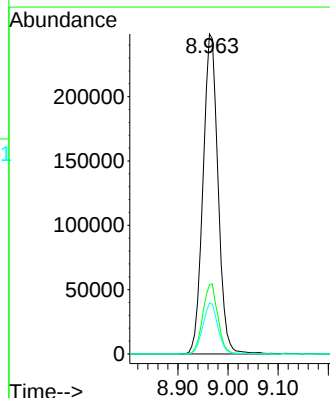
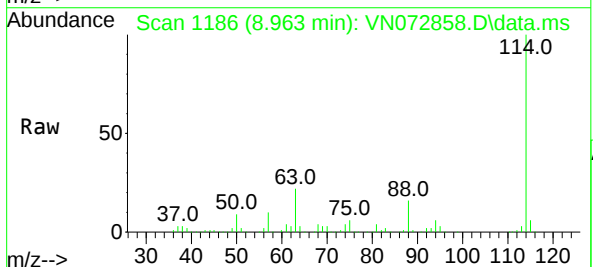
Tgt Ion: 114 Resp: 518320

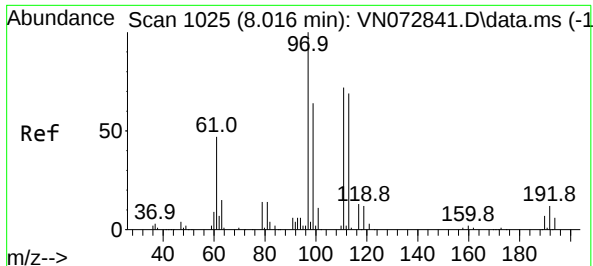
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.222 ug/l

RT: 8.022 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VN072858.D

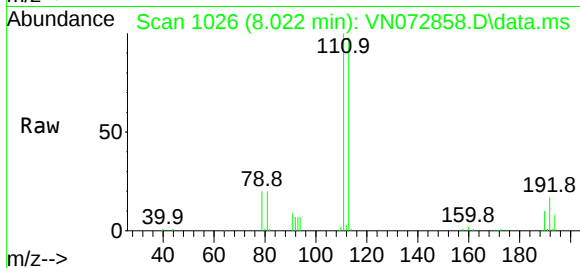
Acq: 15 Jun 2022 02:42

Instrument :

MSVOA_N

ClientSampleId :

PB145494ZHE#10



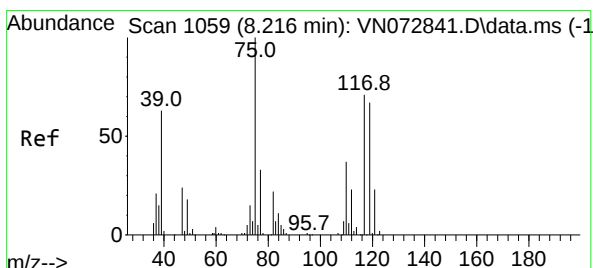
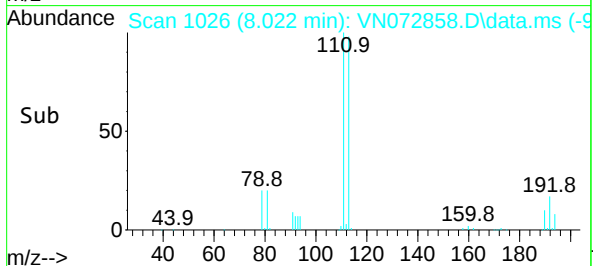
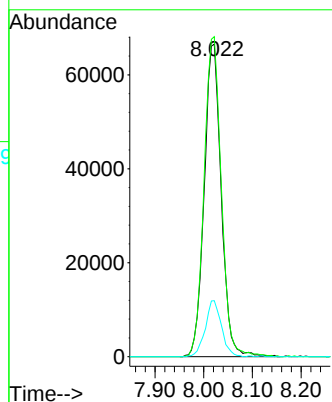
Tgt Ion:113 Resp: 161165

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 17.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 6.198 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072858.D

Acq: 15 Jun 2022 02:42

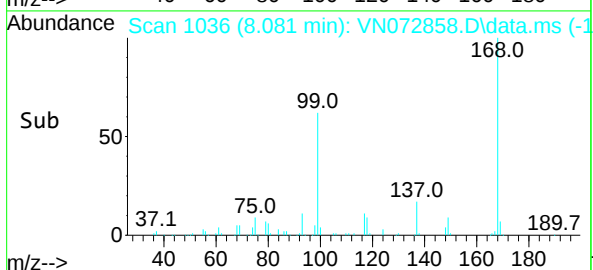
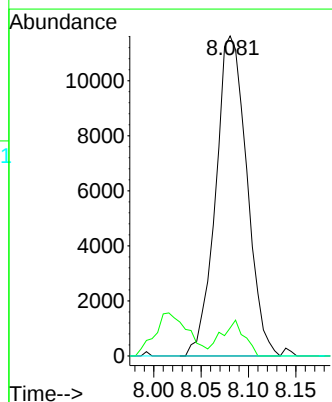
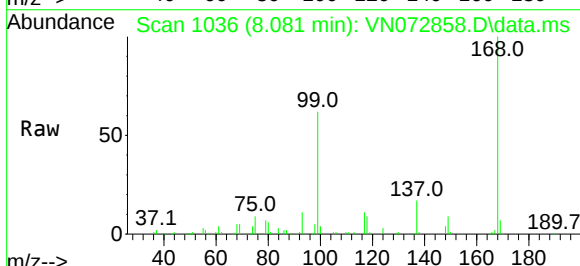
Tgt Ion: 75 Resp: 26565

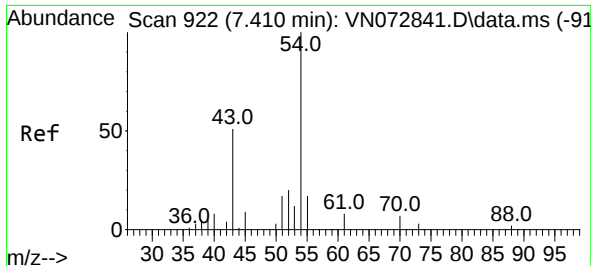
Ion Ratio Lower Upper

75 100

110 8.2 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.116 ug/l

RT: 7.351 min Scan# 91

Delta R.T. -0.059 min

Lab File: VN072858.D

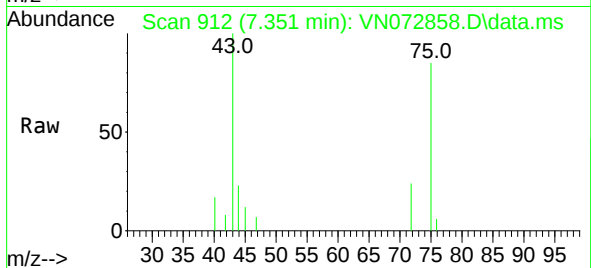
Acq: 15 Jun 2022 02:42

Instrument :

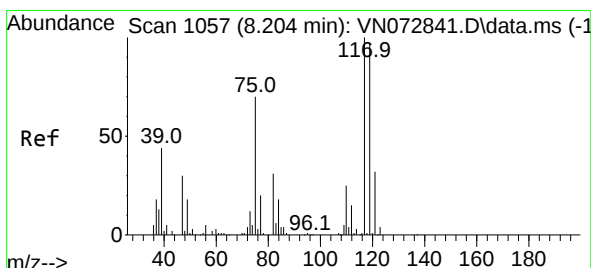
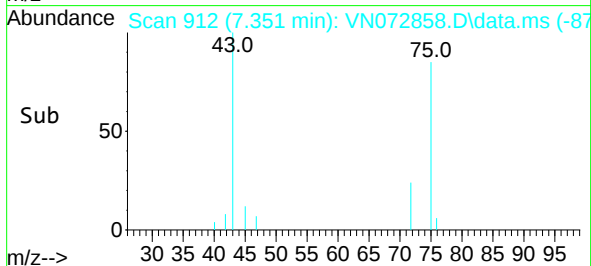
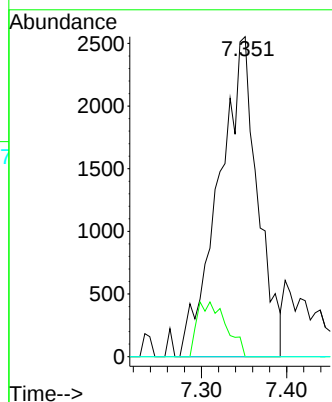
MSVOA_N

ClientSampleId :

PB145494ZHE#10



Tgt Ion:	43	Resp:	8069
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	9.3	13.9#



#38

Carbon Tetrachloride

Concen: 7.663 ug/l

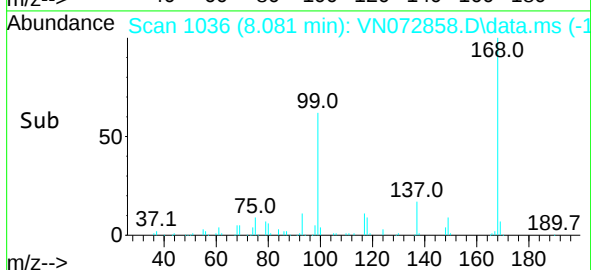
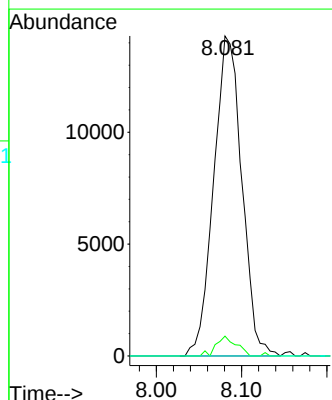
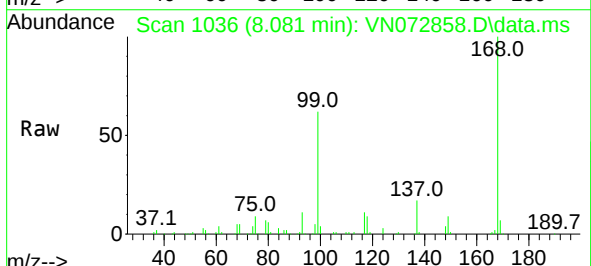
RT: 8.081 min Scan# 1036

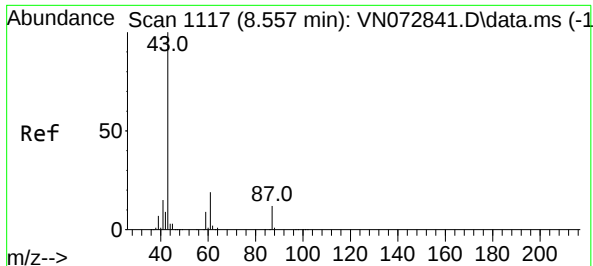
Delta R.T. -0.123 min

Lab File: VN072858.D

Acq: 15 Jun 2022 02:42

Tgt Ion:	117	Resp:	32786
Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.8	113.8#
121	0.0	24.6	37.0#

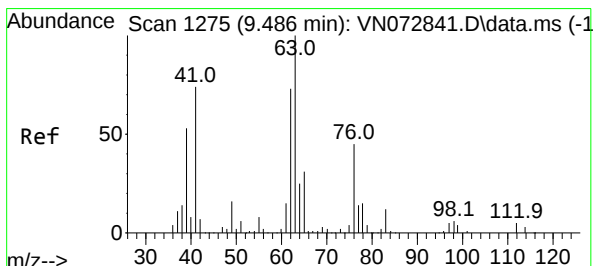
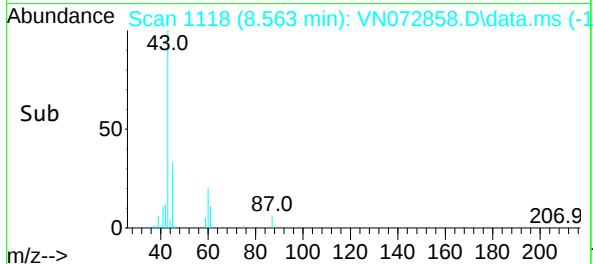
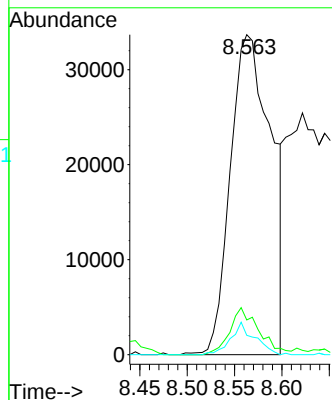
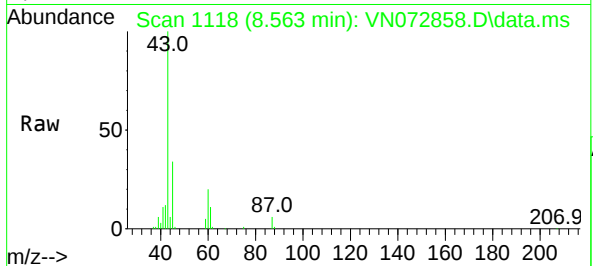




#43
Isopropyl Acetate
Concen: 9.499 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

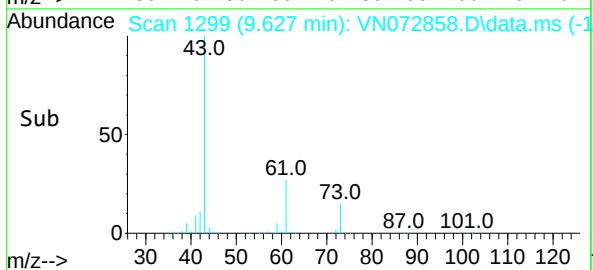
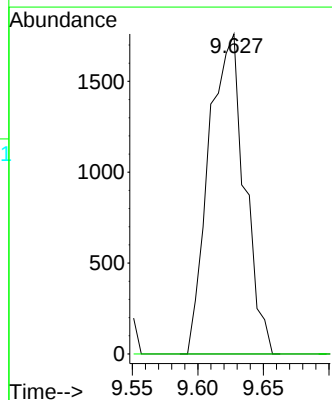
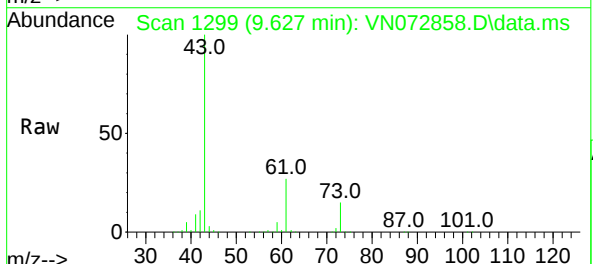
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#10

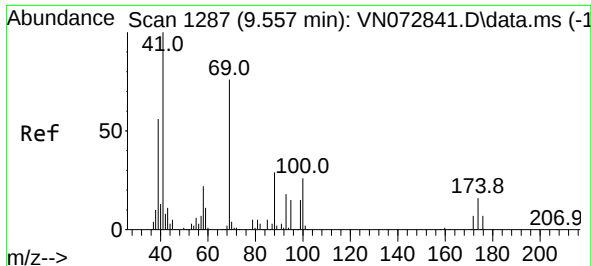
Tgt Ion: 43 Resp: 101202
Ion Ratio Lower Upper
43 100
61 10.5 21.9 32.9#
87 5.9 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.885 ug/l
RT: 9.627 min Scan# 1299
Delta R.T. 0.141 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

Tgt Ion: 63 Resp: 3339
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

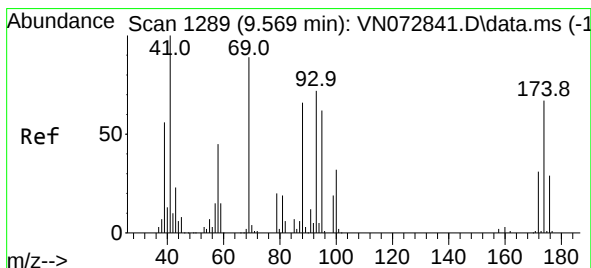
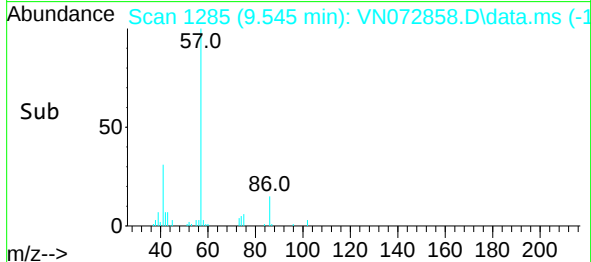
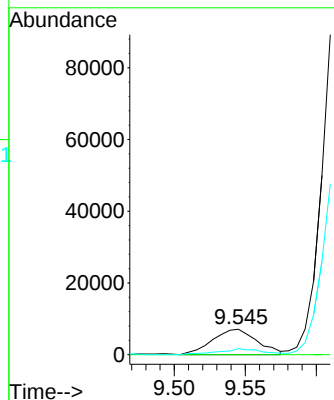
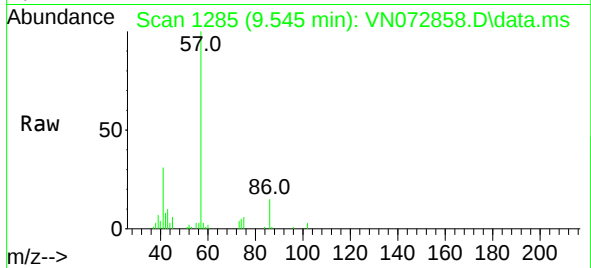




#48
Methyl methacrylate
Concen: 3.051 ug/l
RT: 9.545 min Scan# 1285
Delta R.T. -0.012 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

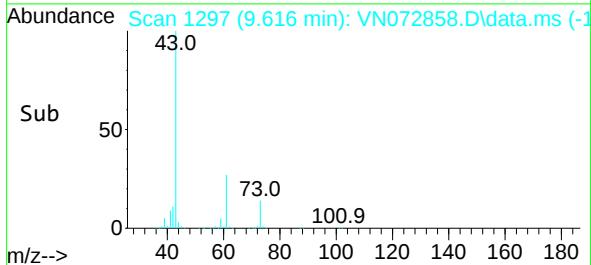
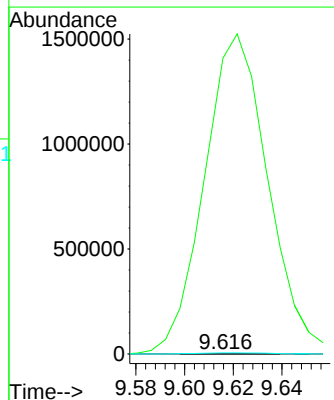
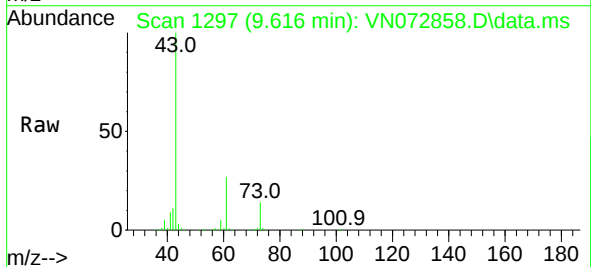
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#10

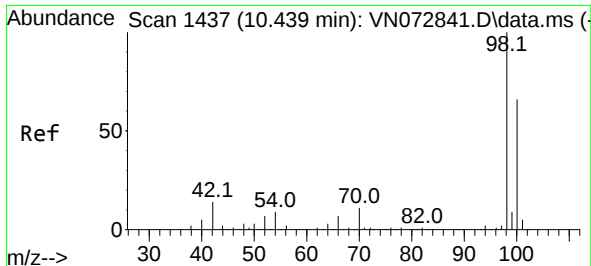
Tgt Ion: 41 Resp: 15494
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 4.174 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.047 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

Tgt Ion: 88 Resp: 430
Ion Ratio Lower Upper
88 100
43 655774.0 20.2 30.4#
58 2568.8 54.2 81.4#

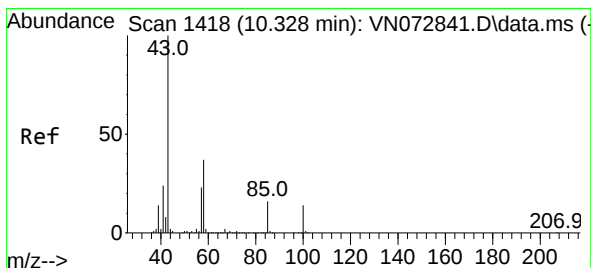
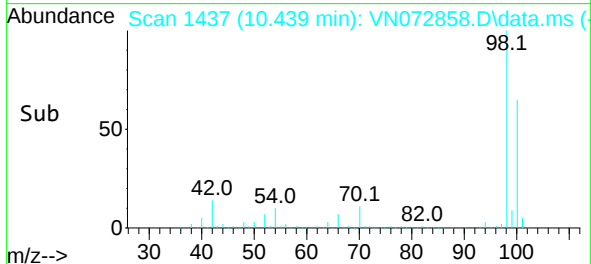
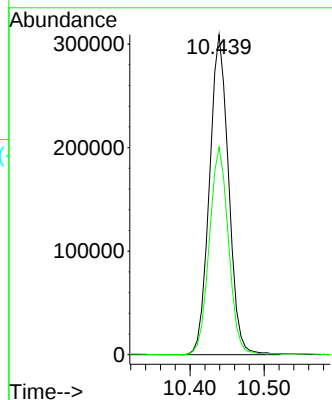
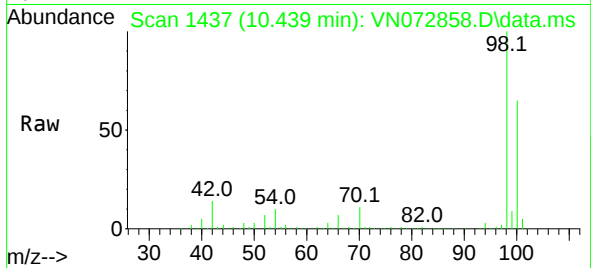




#50
Toluene-d8
Concen: 43.697 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

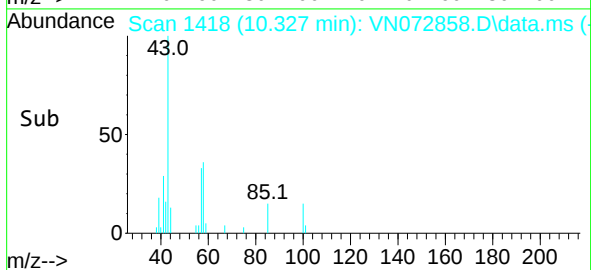
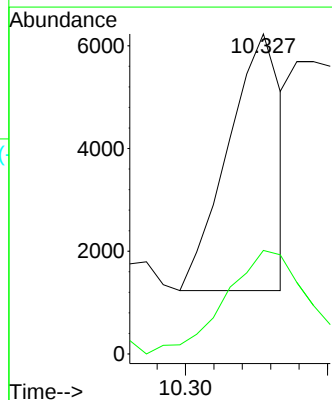
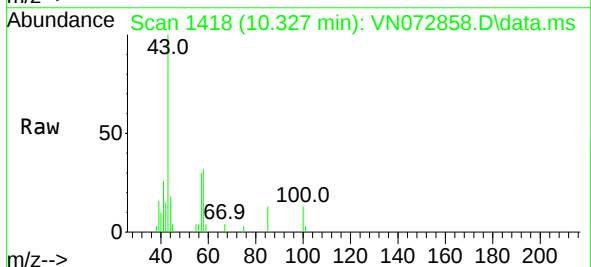
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#10

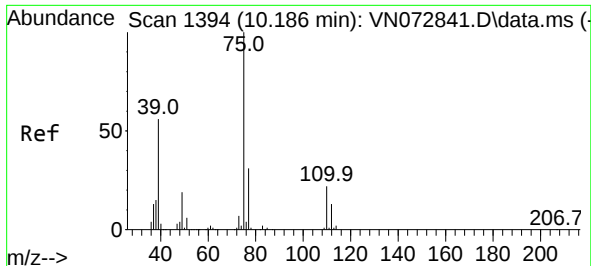
Tgt Ion: 98 Resp: 553392
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.894 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

Tgt Ion: 43 Resp: 6529
Ion Ratio Lower Upper
43 100
58 62.1 34.1 51.1#

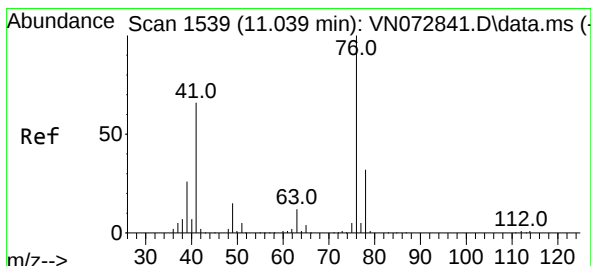
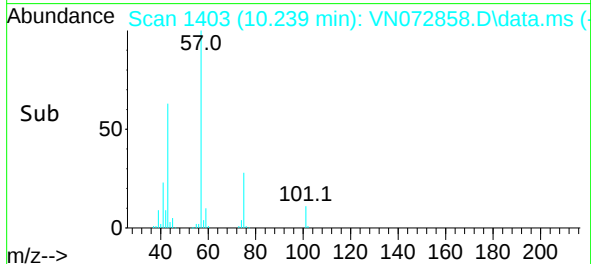
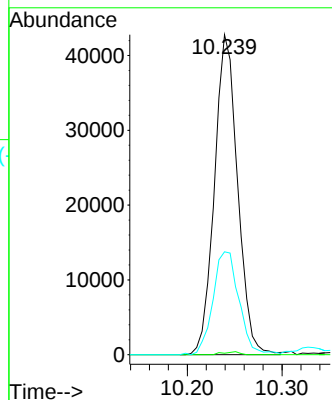
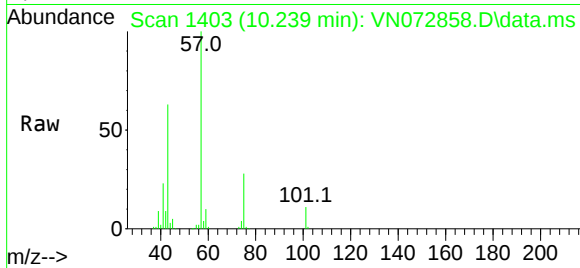




#54
 cis-1,3-Dichloropropene
 Concen: 13.366 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072858.D
 Acq: 15 Jun 2022 02:42

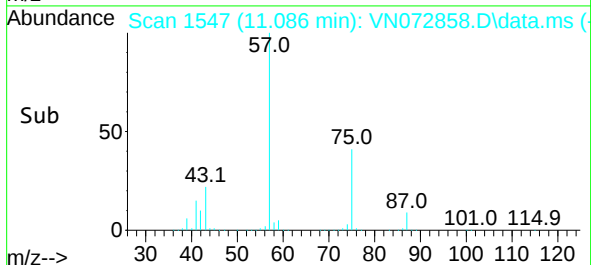
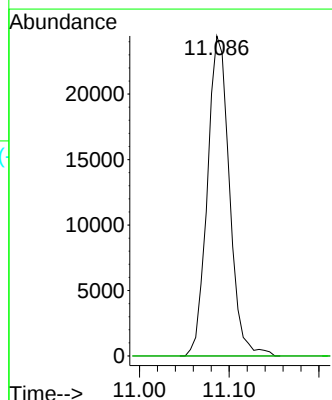
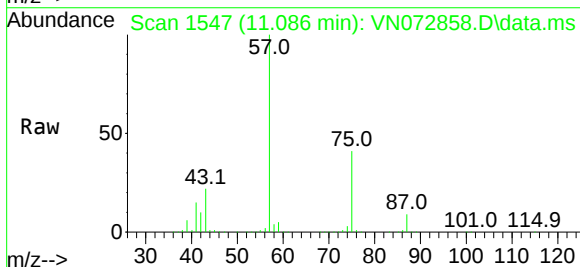
Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#10

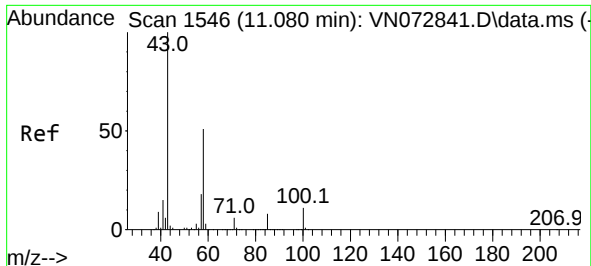
Tgt Ion: 75 Resp: 72618
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 32.2 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 6.379 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072858.D
 Acq: 15 Jun 2022 02:42

Tgt Ion: 76 Resp: 41654
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

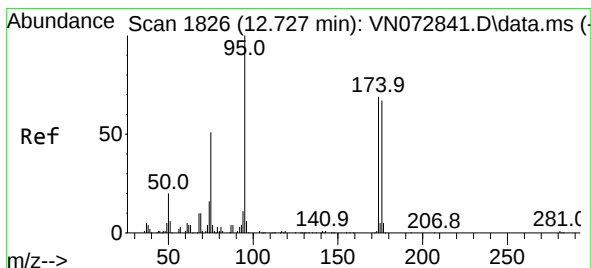
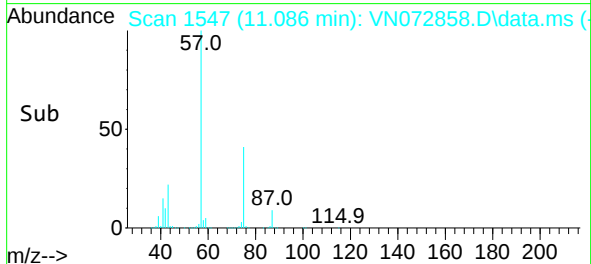
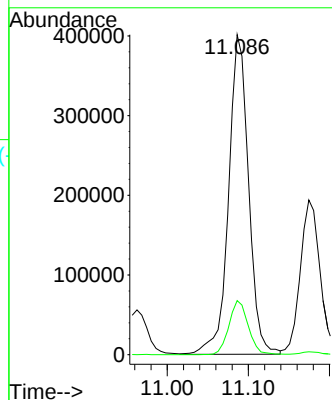
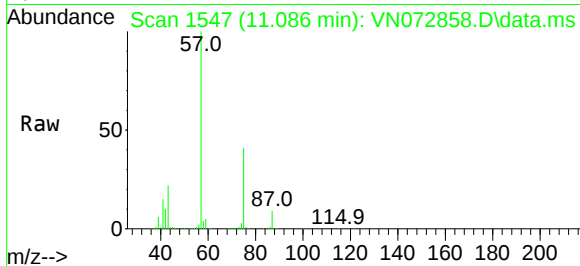




#59
2-Hexanone
Concen: 125.158 ug/l
RT: 11.086 min Scan# 1546
Delta R.T. 0.006 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

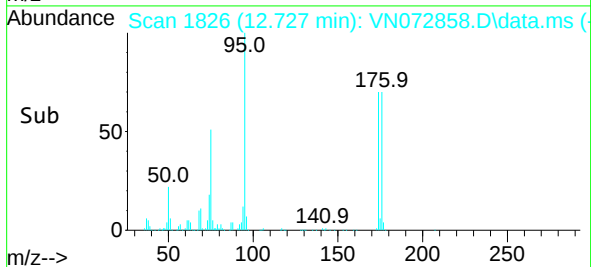
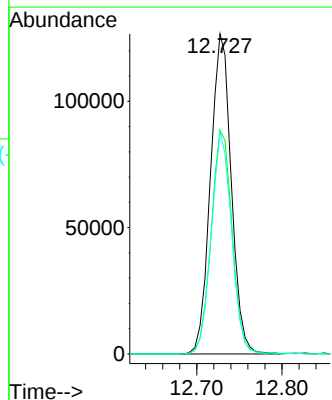
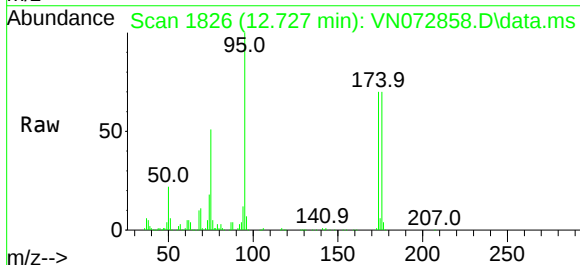
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#10

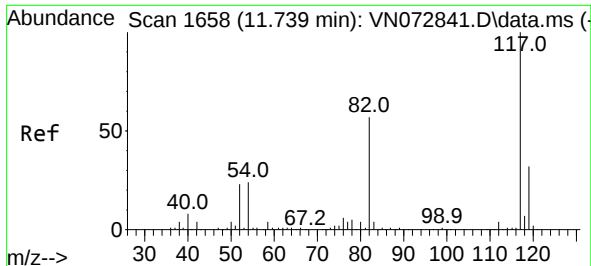
Tgt Ion: 43 Resp: 686152
Ion Ratio Lower Upper
43 100
58 16.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 50.402 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

Tgt Ion: 95 Resp: 214269
Ion Ratio Lower Upper
95 100
174 70.4 0.0 167.6
176 67.9 0.0 163.4

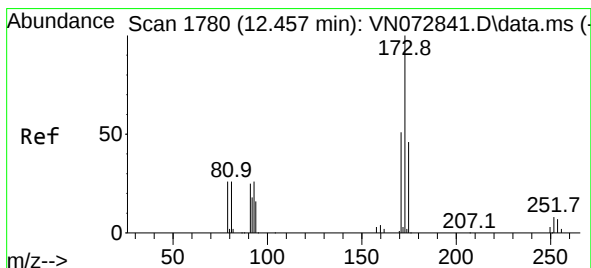
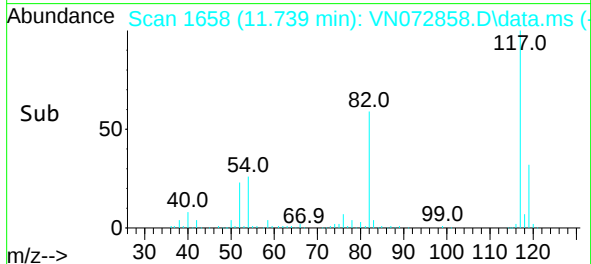
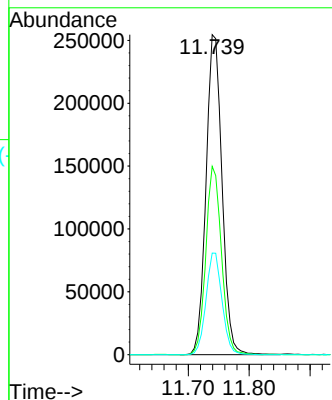
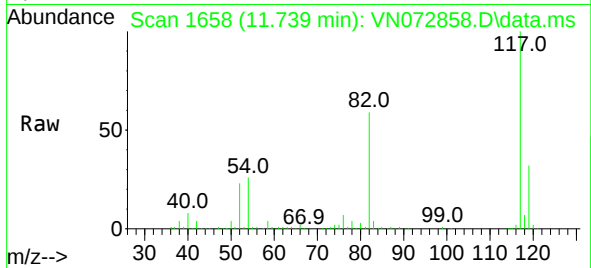




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

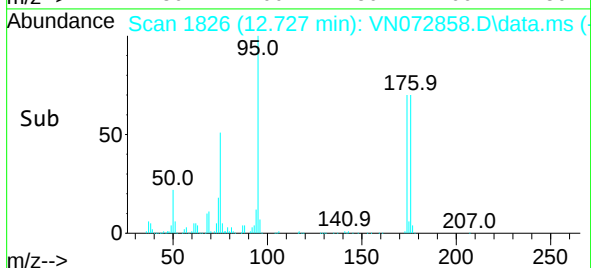
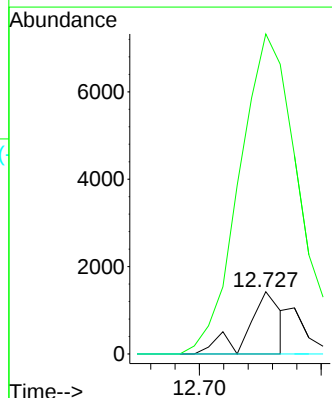
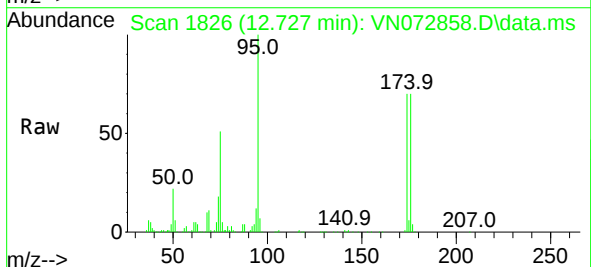
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#10

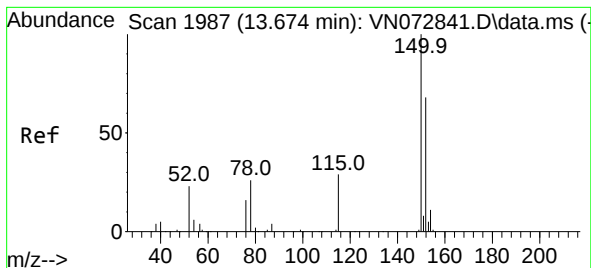
Tgt Ion:117 Resp: 463902
Ion Ratio Lower Upper
117 100
82 58.9 44.2 66.2
119 31.8 25.4 38.0



#71
Bromoform
Concen: 0.535 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

Tgt Ion:173 Resp: 1352
Ion Ratio Lower Upper
173 100
175 679.7 24.6 73.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.674 min Scan# 1987

Delta R.T. 0.000 min

Lab File: VN072858.D

Acq: 15 Jun 2022 02:42

Instrument :

MSVOA_N

ClientSampleId :

PB145494ZHE#10

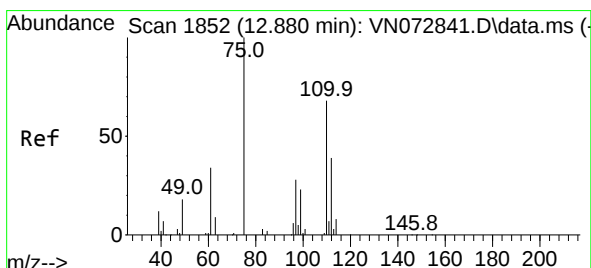
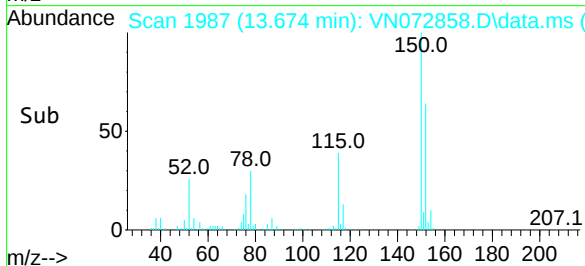
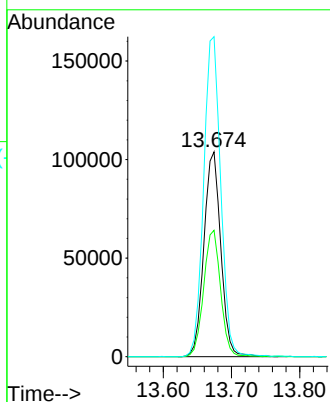
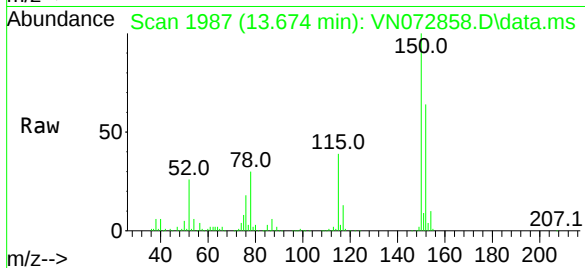
Tgt Ion:152 Resp: 179235

Ion Ratio Lower Upper

152 100

115 61.7 28.9 86.7

150 157.8 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 22.093 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.153 min

Lab File: VN072858.D

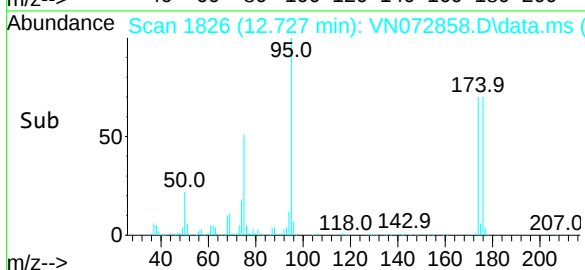
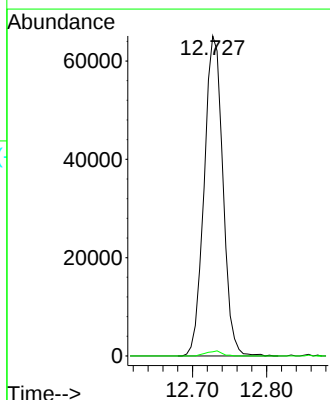
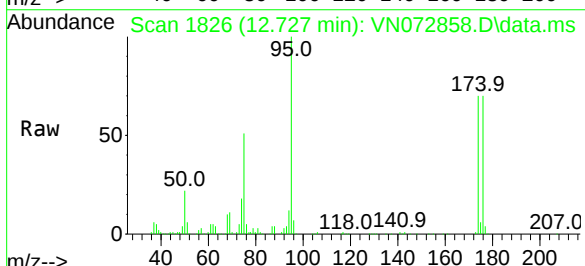
Acq: 15 Jun 2022 02:42

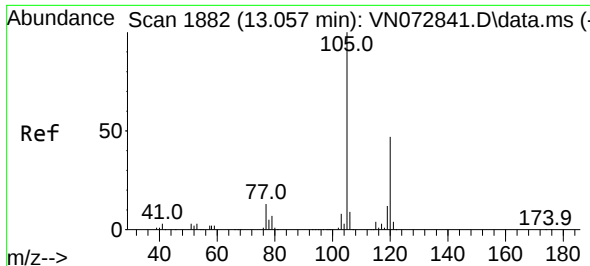
Tgt Ion: 75 Resp: 114218

Ion Ratio Lower Upper

75 100

77 1.3 98.5 295.5#

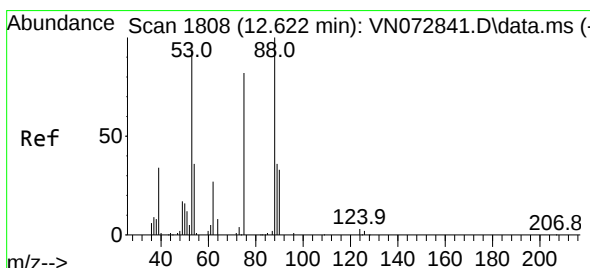
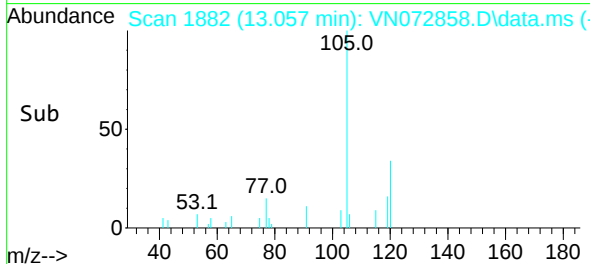
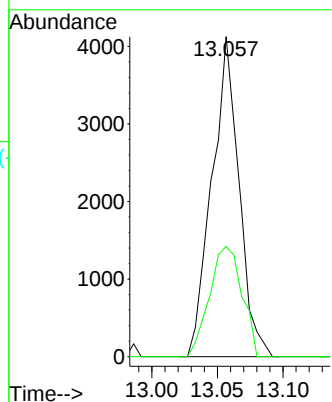
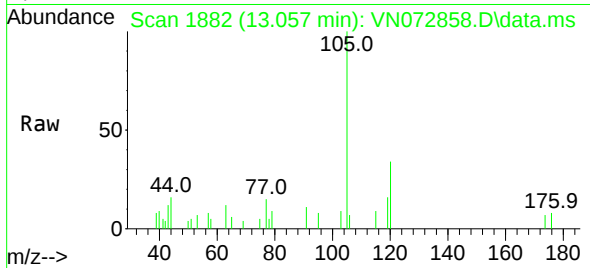




#80
1,3,5-Trimethylbenzene
Concen: 0.453 ug/l
RT: 13.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#10

Tgt Ion:105 Resp: 5929
Ion Ratio Lower Upper
105 100
120 41.2 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 68.706 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072858.D
Acq: 15 Jun 2022 02:42

Tgt Ion: 75 Resp: 114218
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

