

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072857.D
 Acq On : 15 Jun 2022 02:18
 Operator : JC\MD
 Sample : PB145494ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#09

Quant Time: Jun 15 04:38:01 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)

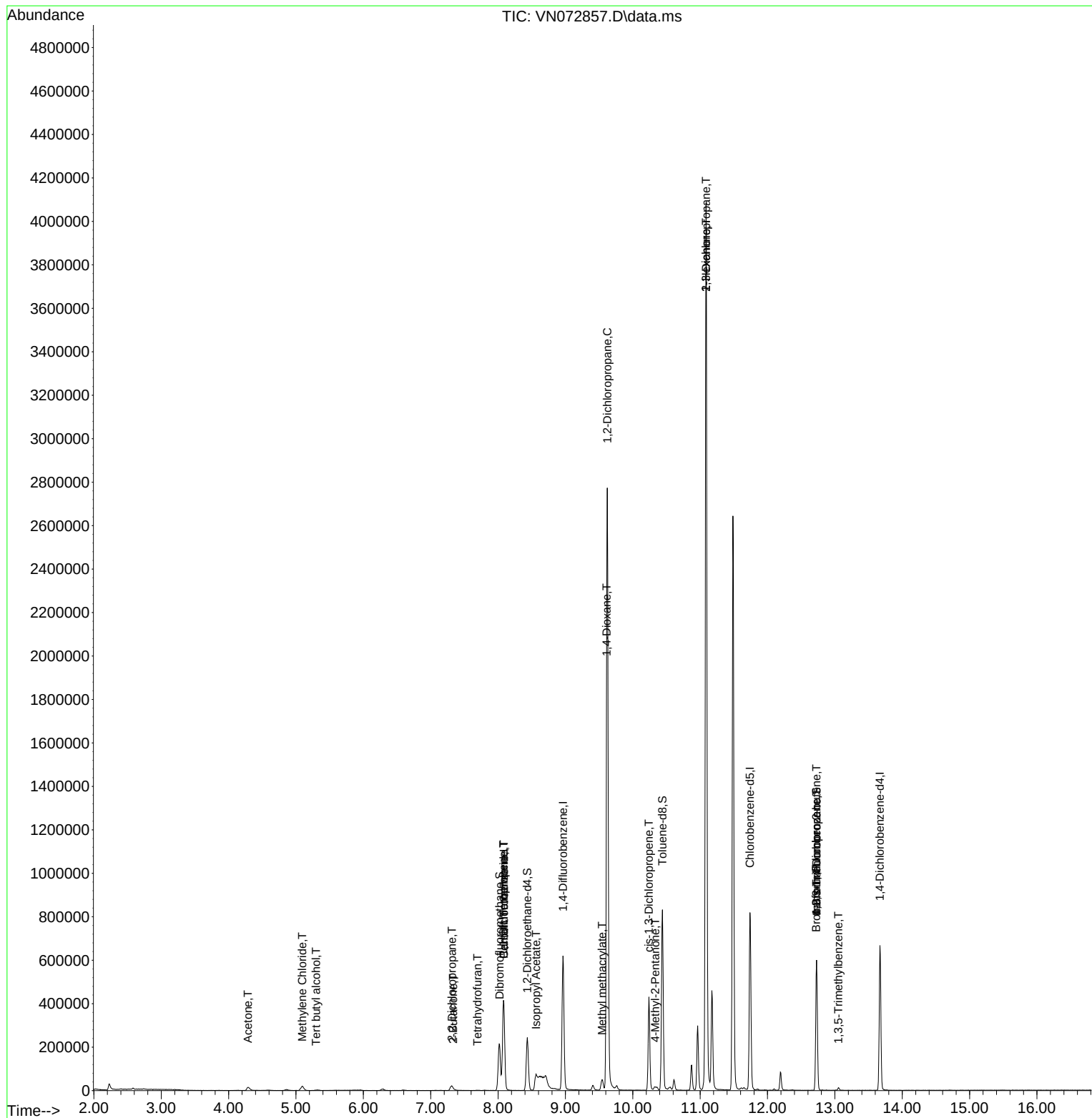
Internal Standards						
1) Pentafluorobenzene	8.086	168	305687	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	523018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	462545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	171871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	200571	42.365	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.720%		
35) Dibromofluoromethane	8.022	113	159948	49.395	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.780%		
50) Toluene-d8	10.439	98	554935	43.425	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	86.860%		
62) 4-Bromofluorobenzene	12.727	95	213982	49.882	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.760%		
Target Compounds						
3) Chloromethane	2.298	50	628	Below Cal		Qvalue 100
6) Chloroethane	2.981	64	255	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	1898	0.331	ug/l #	72
16) Acetone	4.287	43	29726	11.234	ug/l	94
17) Carbon Disulfide	4.528	76	205	Below Cal	#	75
18) Methyl Acetate	4.857	43	9311	Below Cal	#	89
20) Methylene Chloride	5.092	84	14461	2.578	ug/l	91
25) 2-Butanone	7.333	43	7647	1.824	ug/l	90
26) 2,2-Dichloropropane	7.316	77	1446	0.292	ug/l #	53
29) Tetrahydrofuran	7.692	42	1323	0.494	ug/l #	37
31) Cyclohexane	8.080	56	7973	Below Cal	#	1
36) 1,1-Dichloropropene	8.080	75	27114	6.270	ug/l #	48
38) Carbon Tetrachloride	8.086	117	32827	7.604	ug/l #	16
43) Isopropyl Acetate	8.563	43	90386	8.408	ug/l #	73
45) 1,2-Dichloropropane	9.622	63	3238	0.851	ug/l #	44
48) Methyl methacrylate	9.545	41	15144	2.955	ug/l #	10
49) 1,4-Dioxane	9.610	88	88	0.847	ug/l #	25
51) 4-Methyl-2-Pentanone	10.333	43	12094	1.641	ug/l	88
54) cis-1,3-Dichloropropene	10.239	75	70620	12.881	ug/l #	71
57) 1,3-Dichloropropane	11.086	76	43812	6.649	ug/l #	42
59) 2-Hexanone	11.086	43	686265	124.054	ug/l #	44
71) Bromoform	12.721	173	1579	0.626	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	112941	22.782	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	5880	0.468	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	112941	70.849	ug/l #	10

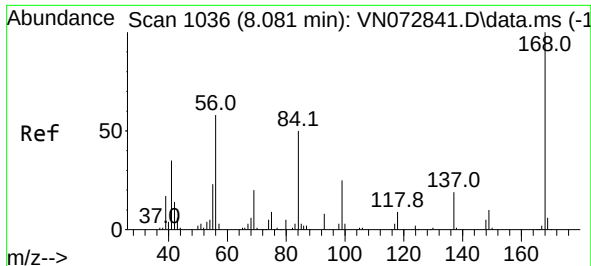
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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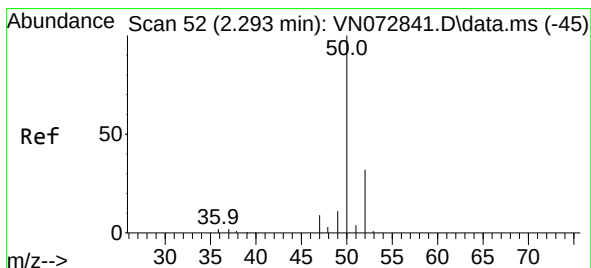
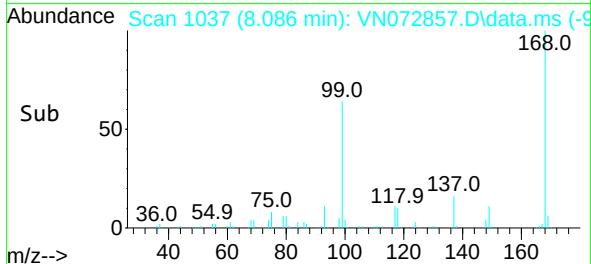
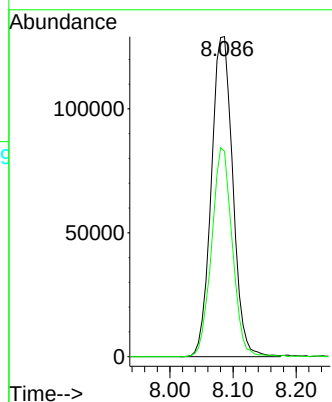
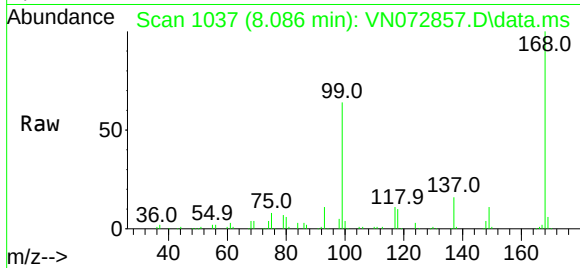




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

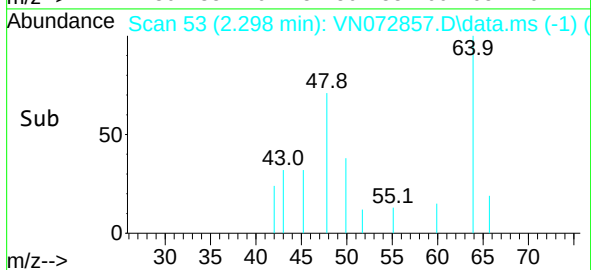
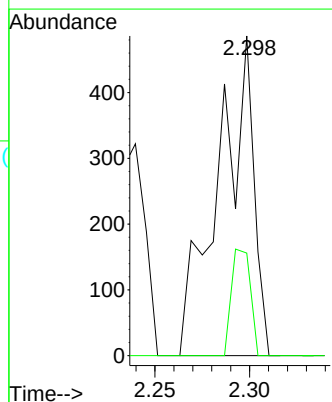
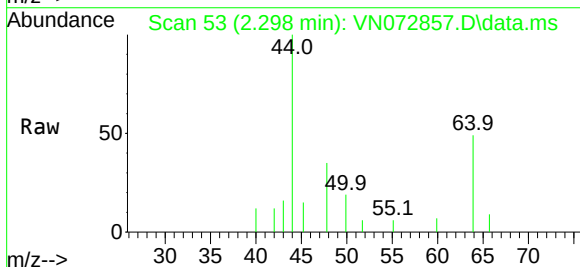
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

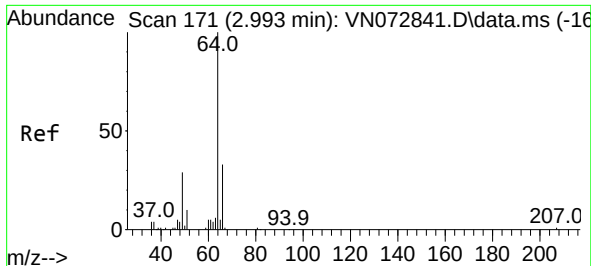
Tgt Ion:168 Resp: 305687
Ion Ratio Lower Upper
168 100
99 64.2 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 53
Delta R.T. 0.005 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion: 50 Resp: 628
Ion Ratio Lower Upper
50 100
52 32.1 25.7 38.5

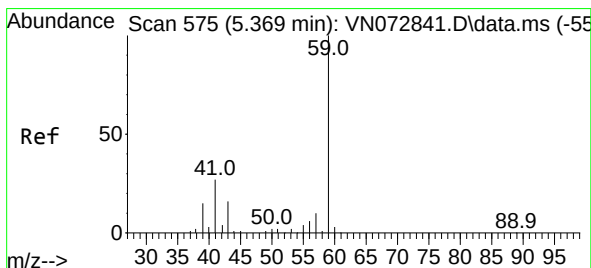
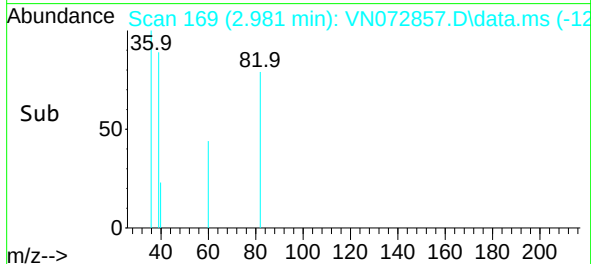
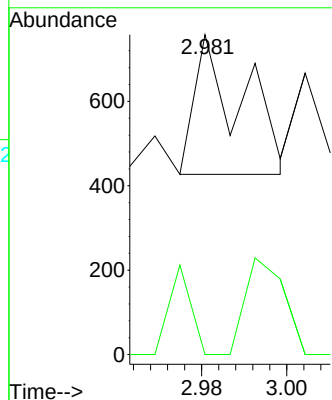
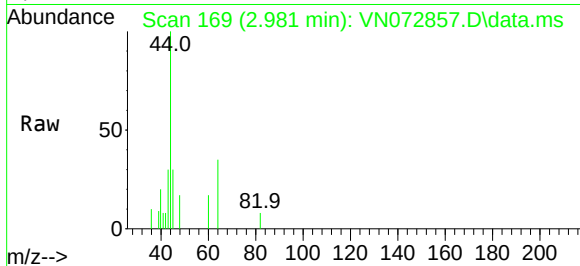




#6
Chloroethane
Concen: Below Cal
RT: 2.981 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

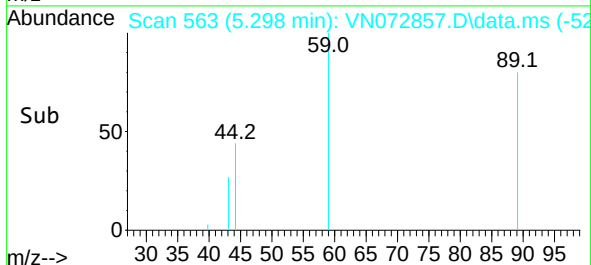
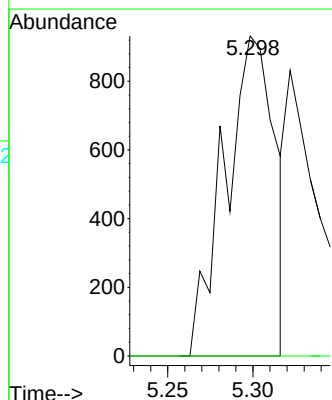
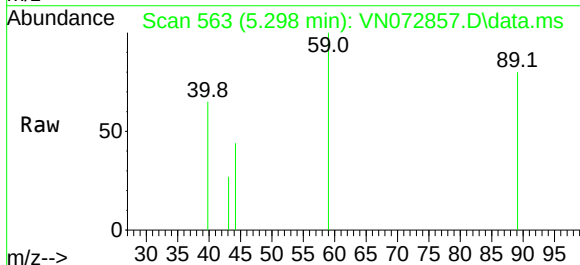
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

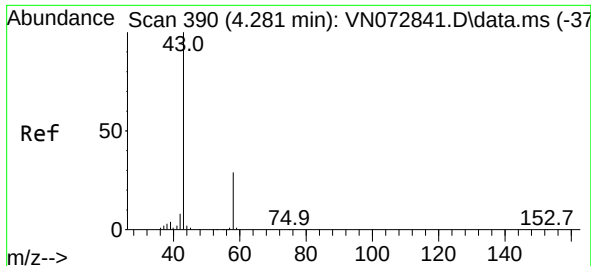
Tgt Ion: 64 Resp: 255
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.331 ug/l
RT: 5.298 min Scan# 563
Delta R.T. -0.071 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion: 59 Resp: 1898
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

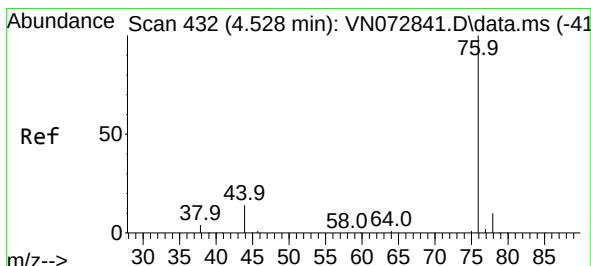
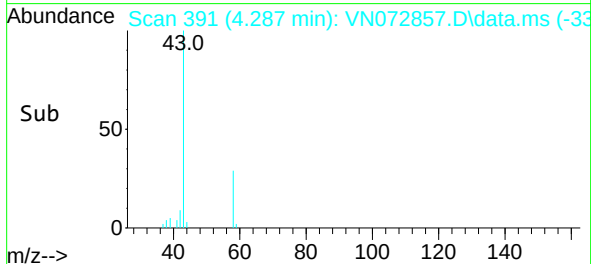
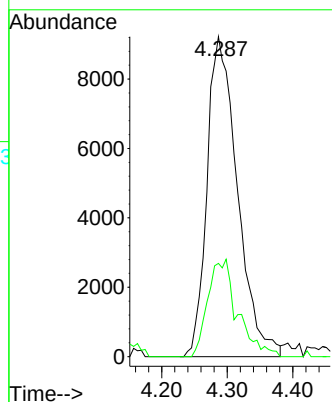
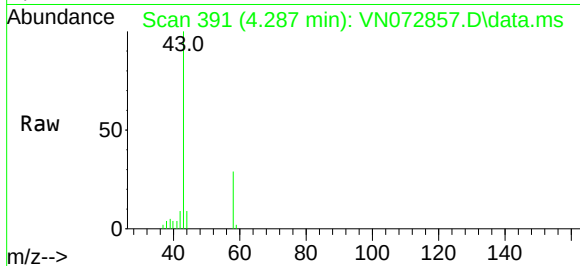




#16
Acetone
Concen: 11.234 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

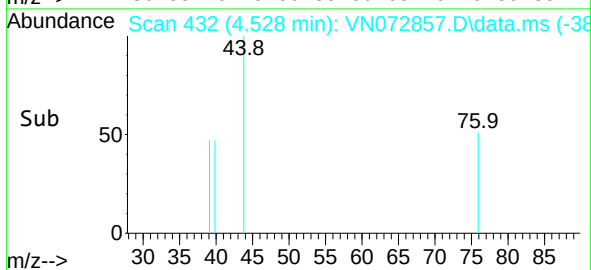
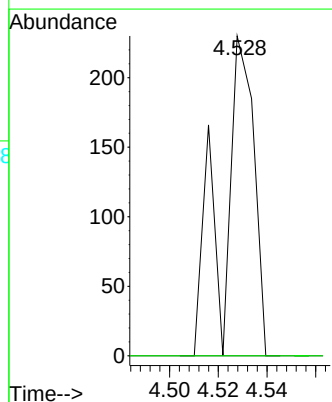
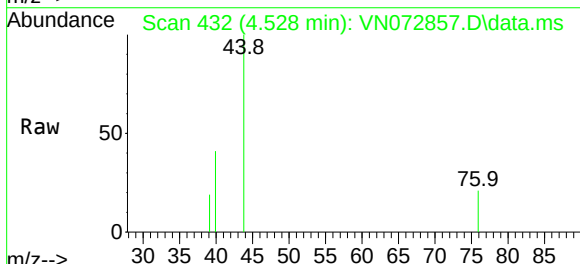
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

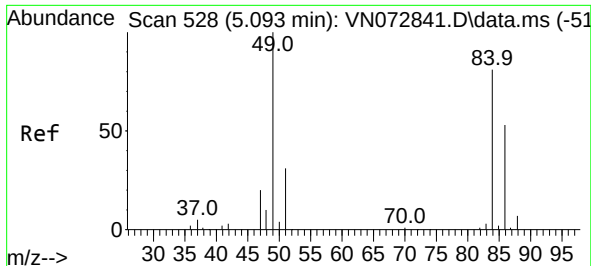
Tgt Ion: 43 Resp: 29726
Ion Ratio Lower Upper
43 100
58 29.1 26.0 39.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.528 min Scan# 432
Delta R.T. -0.000 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

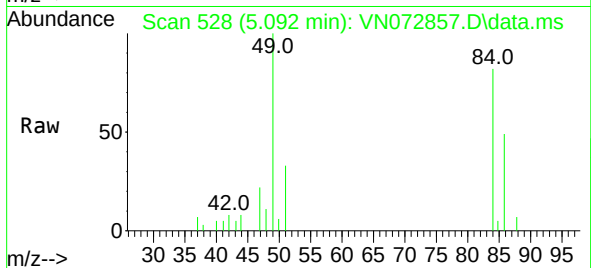
Tgt Ion: 76 Resp: 205
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



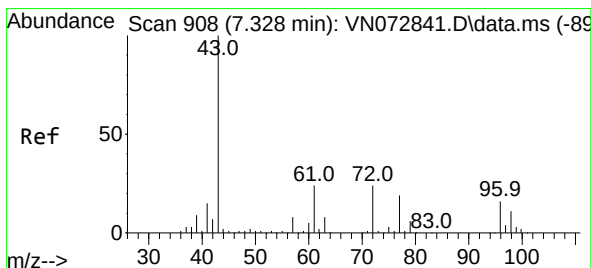
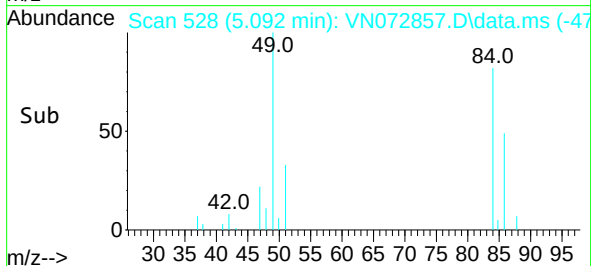
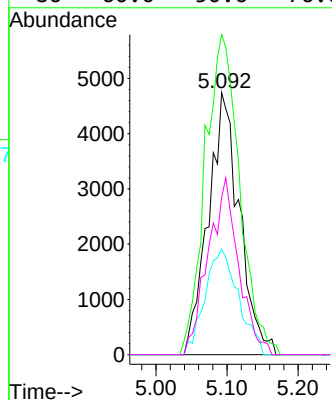


#20
Methylene Chloride
Concen: 2.578 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

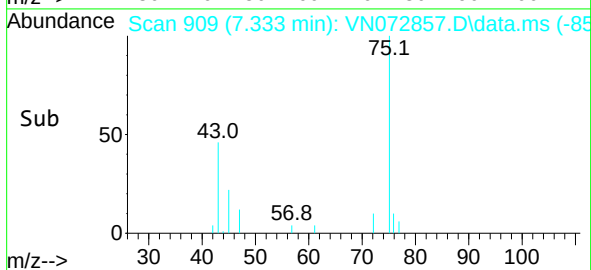
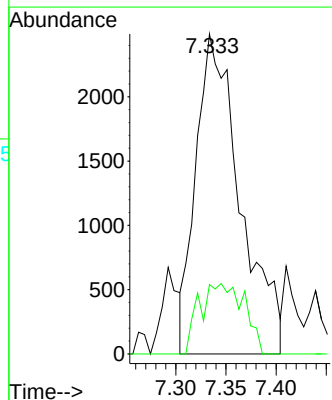
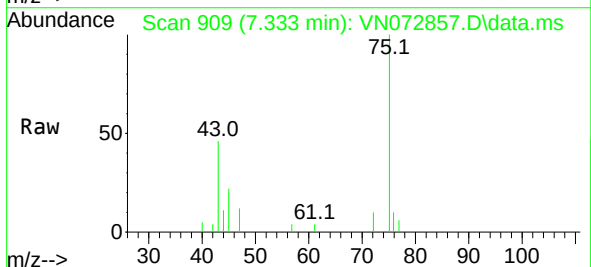


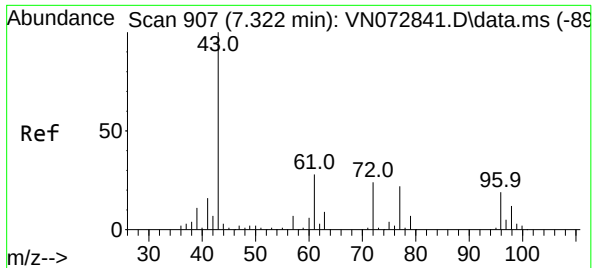
Tgt Ion: 84	Resp: 14461
Ion Ratio	Lower Upper
84 100	
49 122.1	88.3 132.5
51 40.3	28.2 42.2
86 60.0	50.6 76.0



#25
2-Butanone
Concen: 1.824 ug/l
RT: 7.333 min Scan# 909
Delta R.T. 0.005 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion: 43	Resp: 7647		
Ion Ratio	Lower	Upper	
43 100			
72 24.4	23.7	35.5	

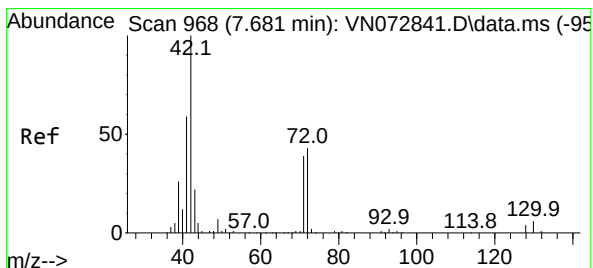
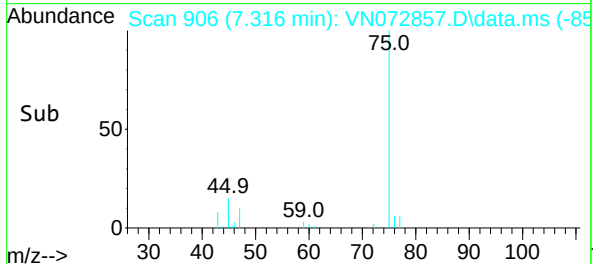
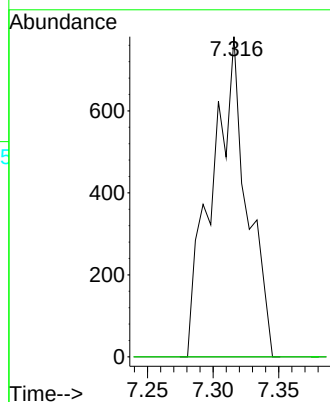
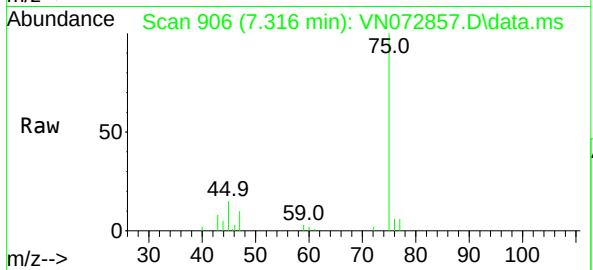




#26
2,2-Dichloropropane
Concen: 0.292 ug/l
RT: 7.316 min Scan# 90
Delta R.T. -0.006 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

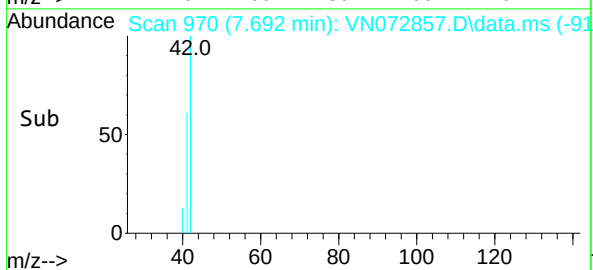
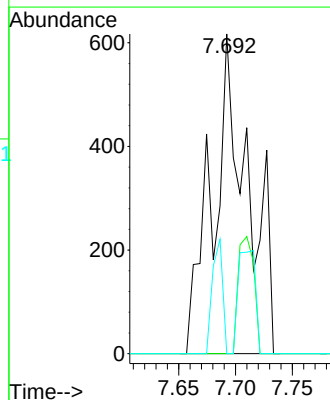
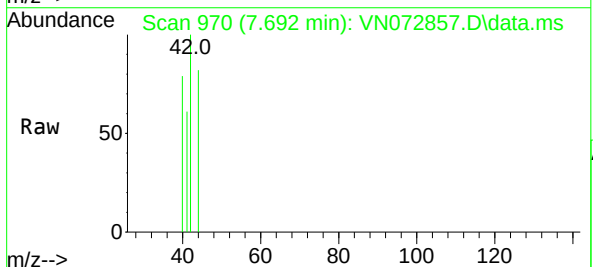
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MSVOA_N
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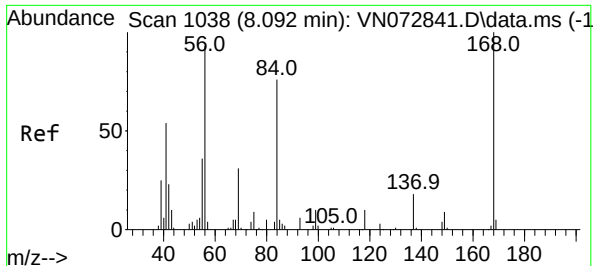
Tgt Ion: 77 Resp: 1446
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.494 ug/l
RT: 7.692 min Scan# 970
Delta R.T. 0.011 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion: 42 Resp: 1323
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 10.4 36.6 55.0#





#31

Cyclohexane

Concen: Below Cal

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN072857.D

Acq: 15 Jun 2022 02:18

Instrument :

MSVOA_N

ClientSampleId :

PB145494ZHE#09

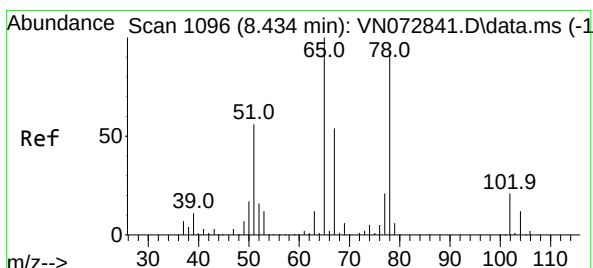
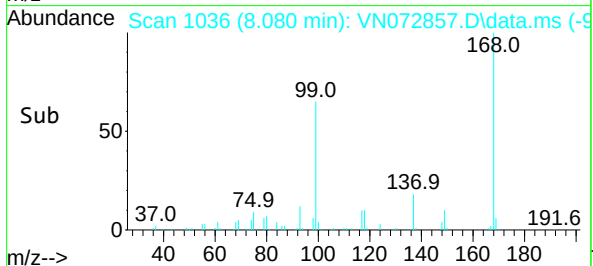
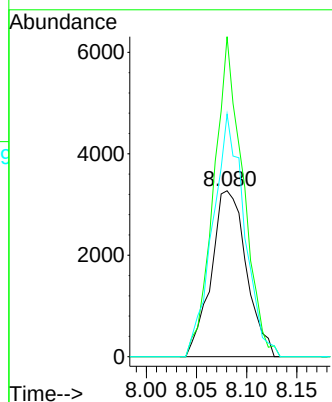
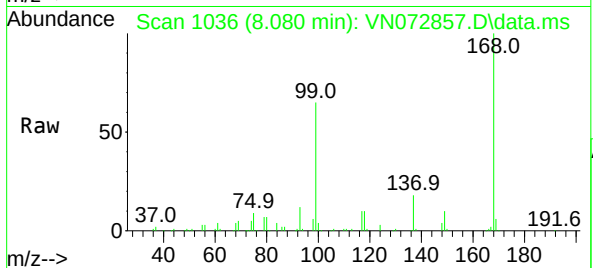
Tgt Ion: 56 Resp: 7973

Ion Ratio Lower Upper

56 100

69 192.8 27.8 41.8#

84 146.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 42.365 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072857.D

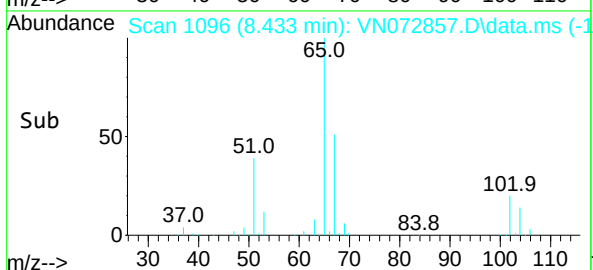
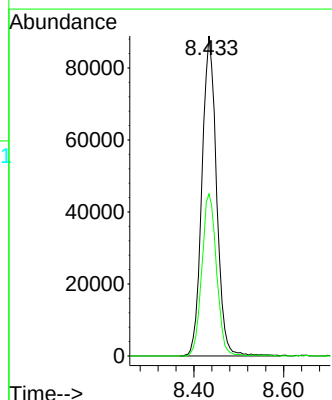
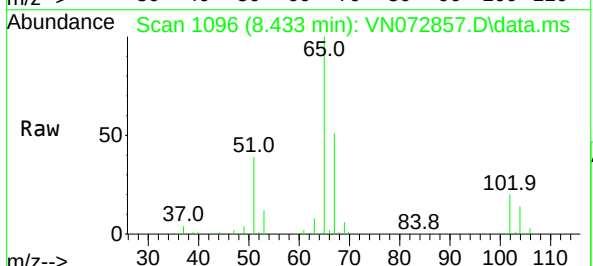
Acq: 15 Jun 2022 02:18

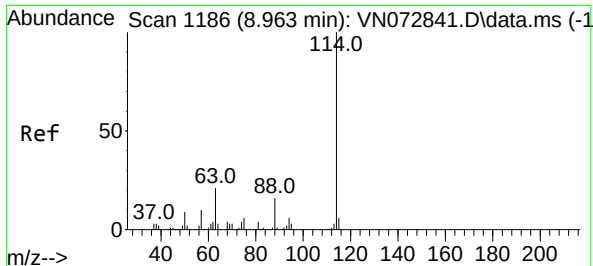
Tgt Ion: 65 Resp: 200571

Ion Ratio Lower Upper

65 100

67 50.8 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: VN072857.D

Acq: 15 Jun 2022 02:18

Instrument :

MSVOA_N

ClientSampleId :

PB145494ZHE#09

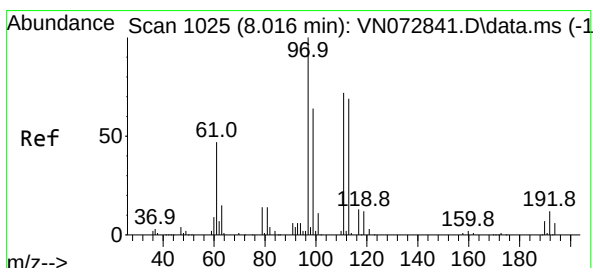
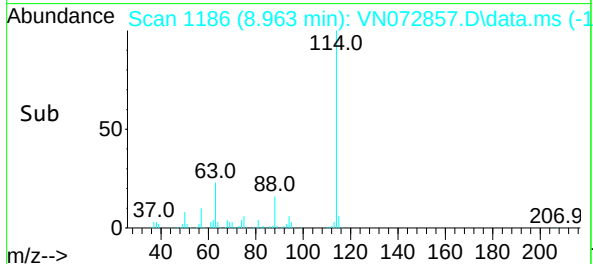
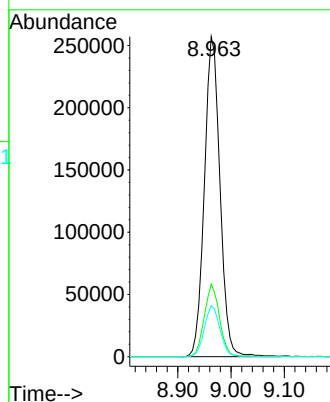
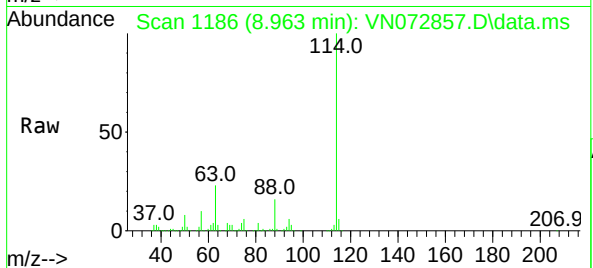
Tgt Ion:114 Resp: 523018

Ion Ratio Lower Upper

114 100

63 22.7 0.0 40.0

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.395 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072857.D

Acq: 15 Jun 2022 02:18

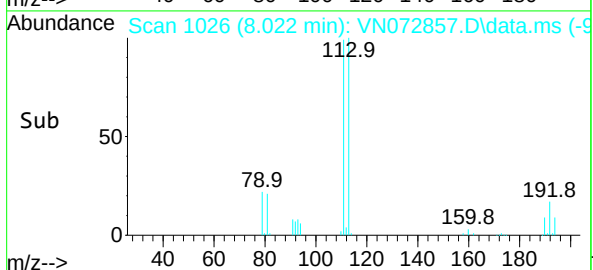
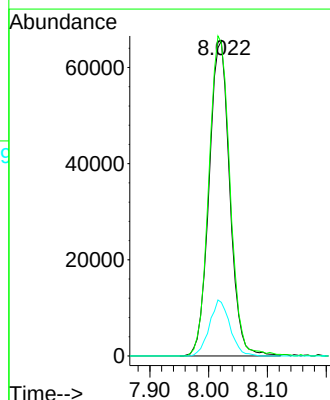
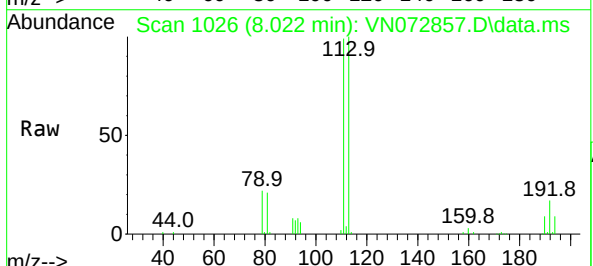
Tgt Ion:113 Resp: 159948

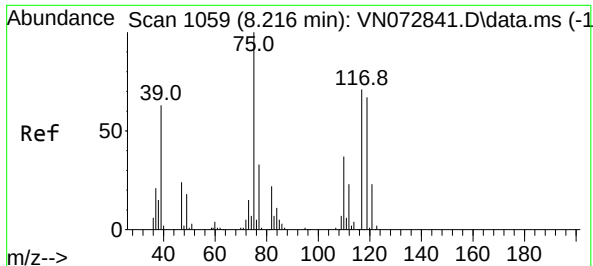
Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.0

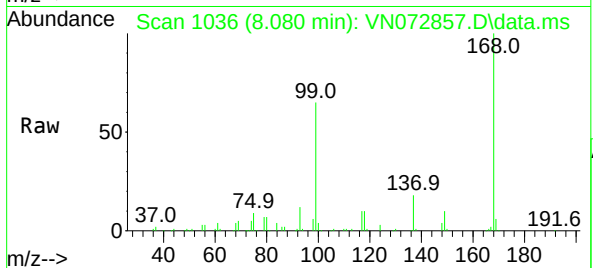
192 17.6 17.0 25.6



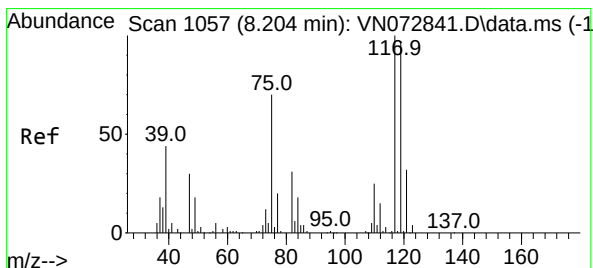
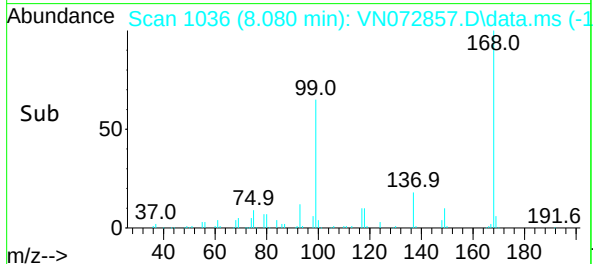
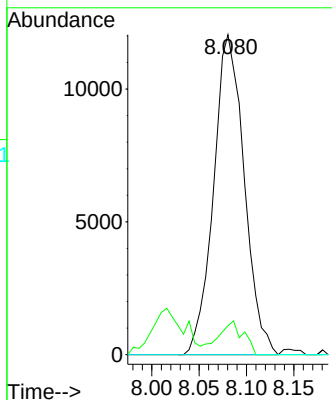


#36
1,1-Dichloropropene
Concen: 6.270 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

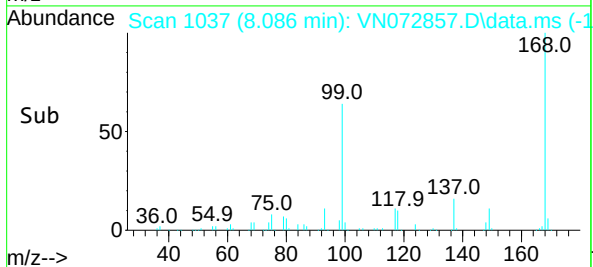
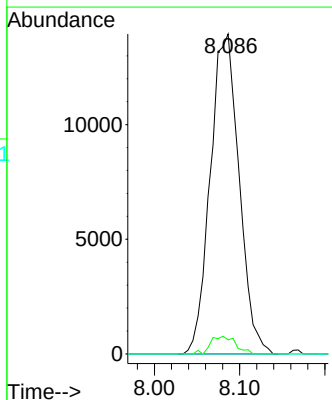
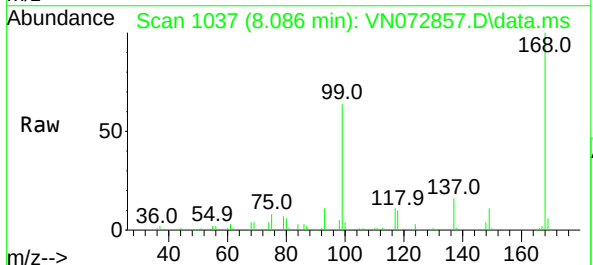


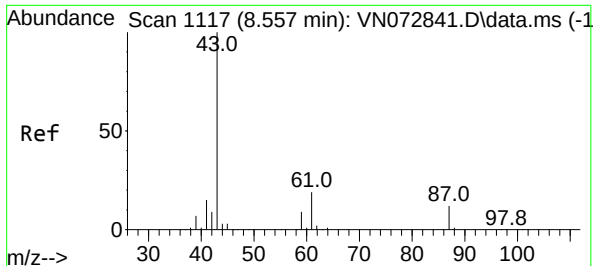
Tgt Ion: 75 Resp: 27114
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 7.604 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion: 117 Resp: 32827
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.8#
121 0.0 24.6 37.0#

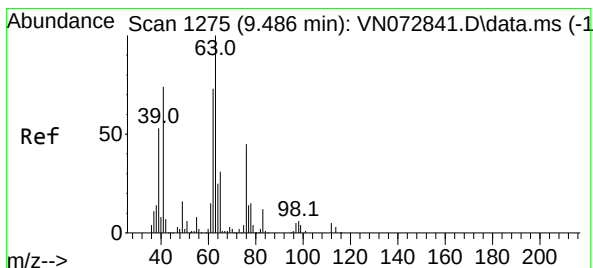
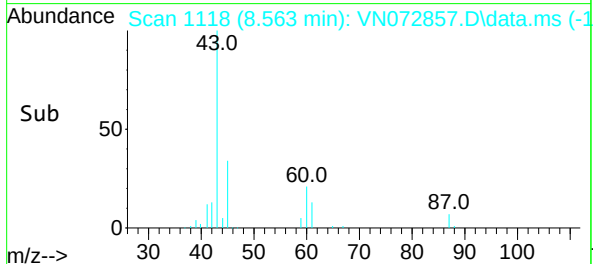
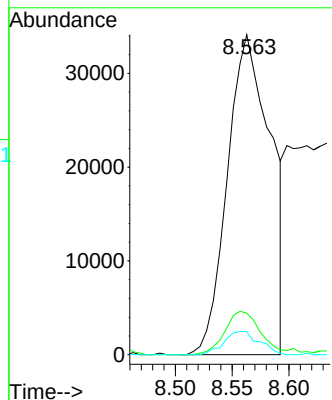
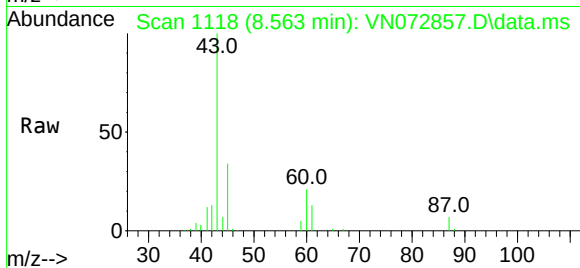




#43
Isopropyl Acetate
Concen: 8.408 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

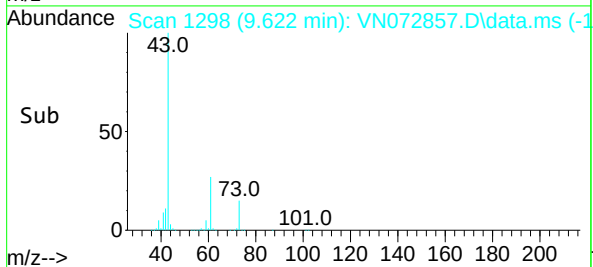
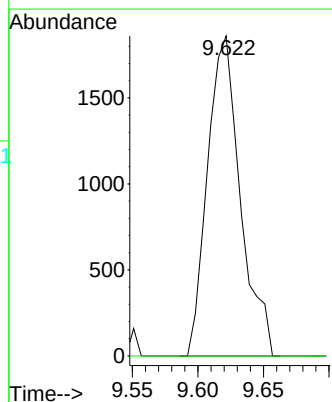
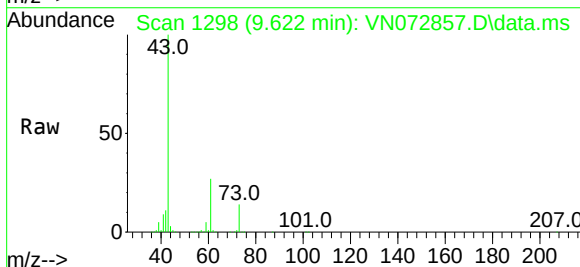
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

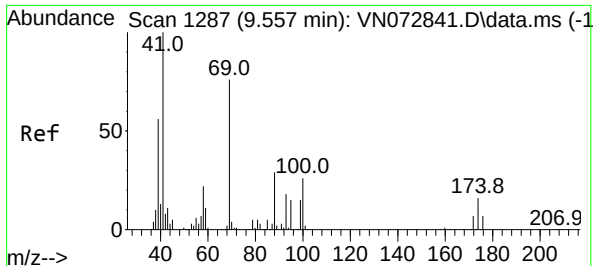
Tgt Ion: 43 Resp: 90386
Ion Ratio Lower Upper
43 100
61 11.8 21.9 32.9#
87 5.9 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.851 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion: 63 Resp: 3238
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

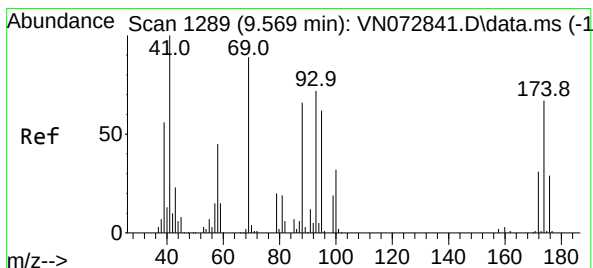
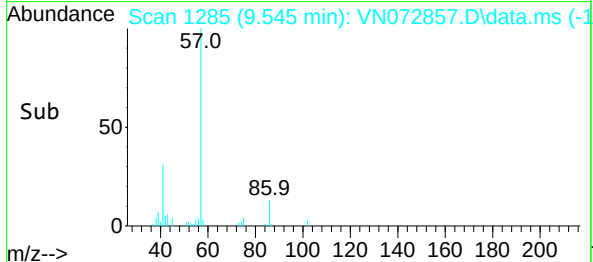
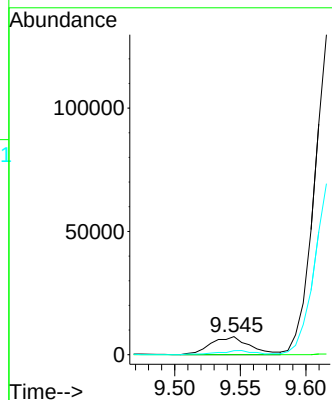
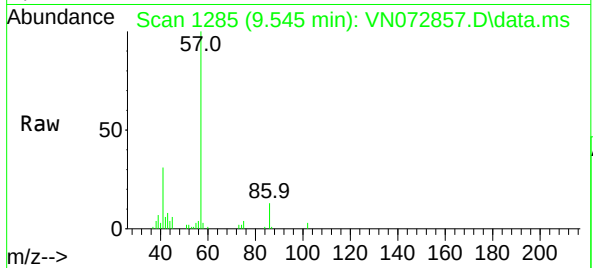




#48
Methyl methacrylate
Concen: 2.955 ug/l
RT: 9.545 min Scan# 1285
Delta R.T. -0.012 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

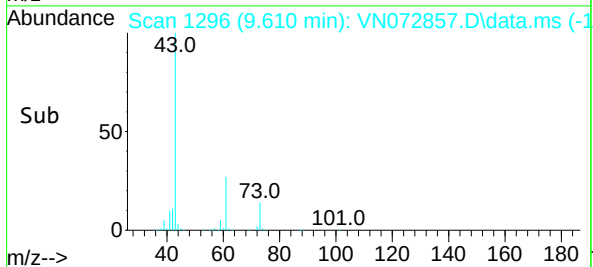
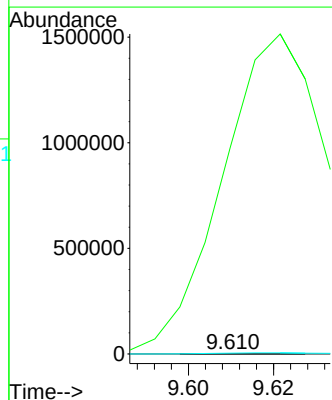
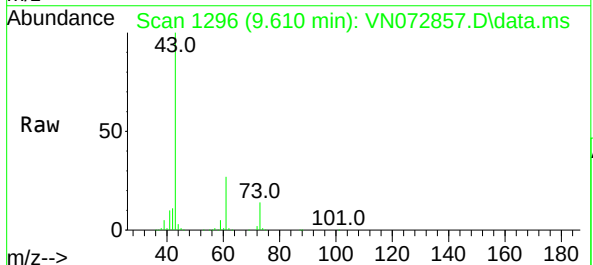
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

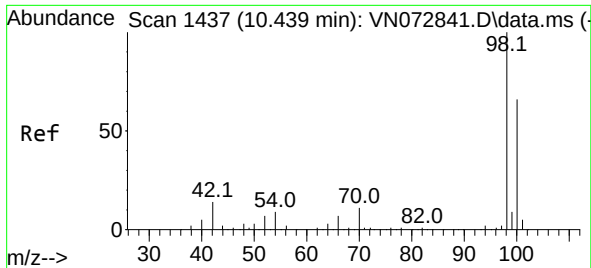
Tgt Ion: 41 Resp: 15144
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.847 ug/l
RT: 9.610 min Scan# 1296
Delta R.T. 0.041 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion: 88 Resp: 88
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

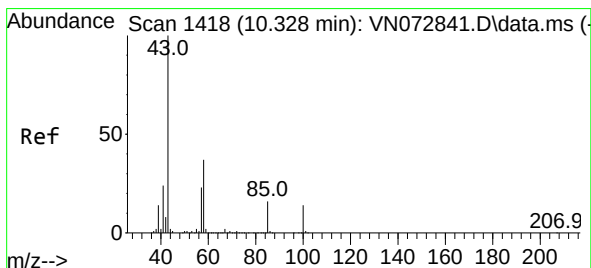
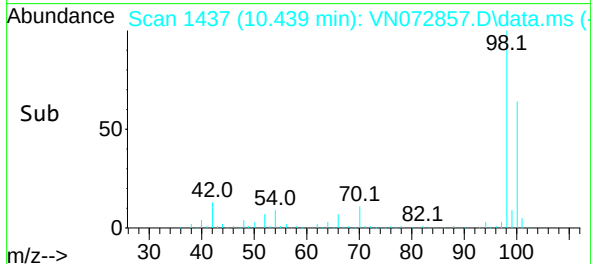
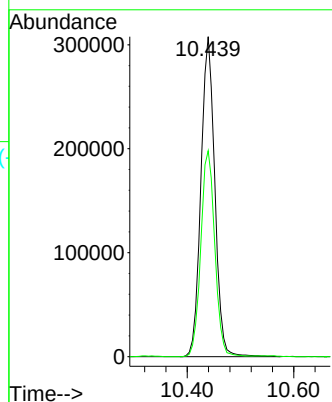
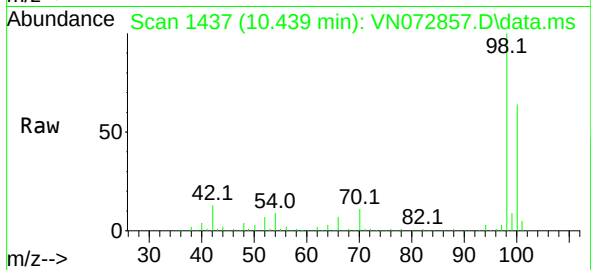




#50
Toluene-d8
Concen: 43.425 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

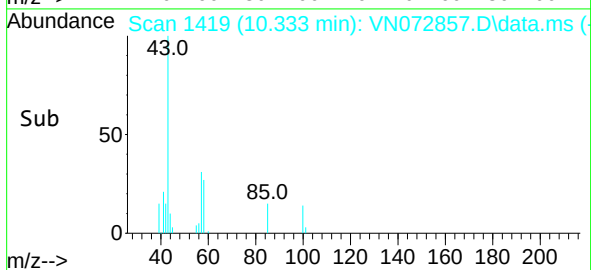
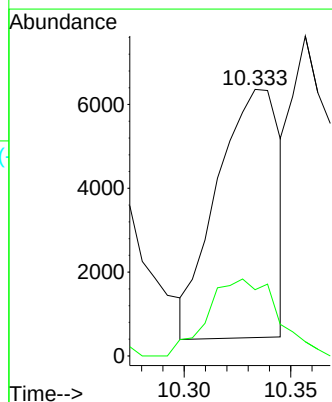
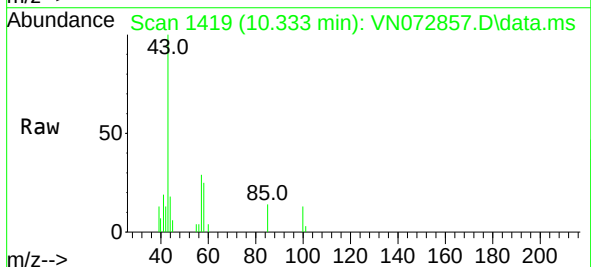
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

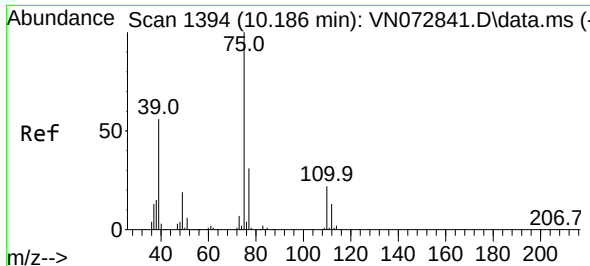
Tgt Ion: 98 Resp: 554935
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.641 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.005 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion: 43 Resp: 12094
Ion Ratio Lower Upper
43 100
58 34.6 34.1 51.1

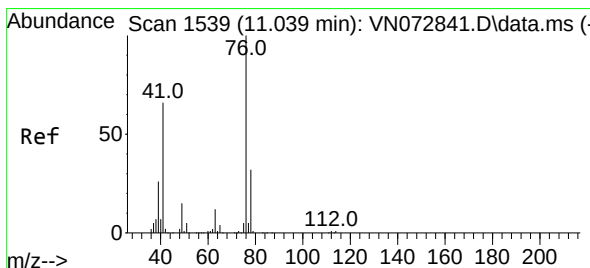
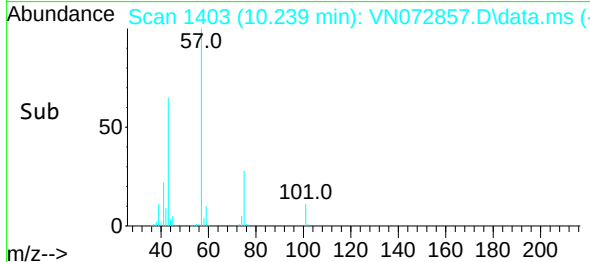
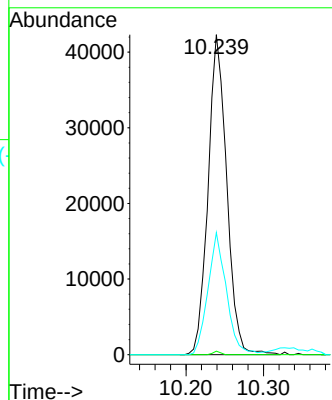
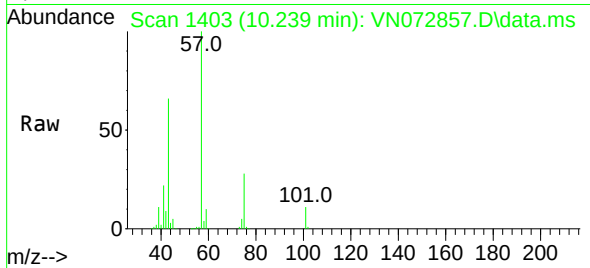




#54
 cis-1,3-Dichloropropene
 Concen: 12.881 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072857.D
 Acq: 15 Jun 2022 02:18

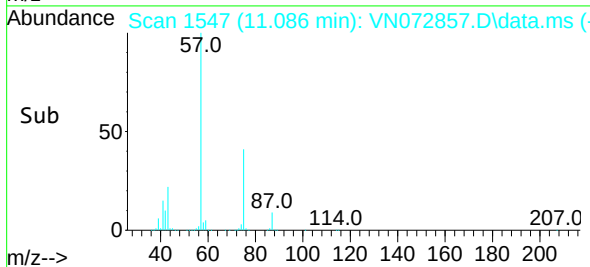
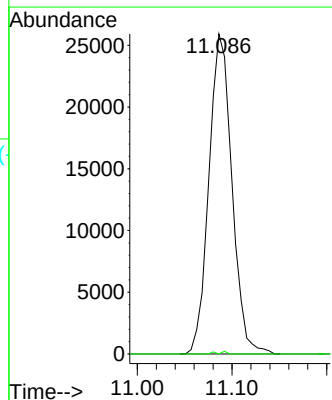
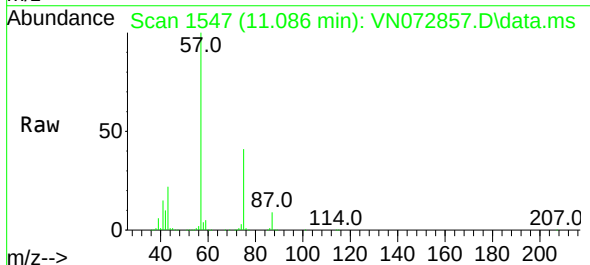
Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#09

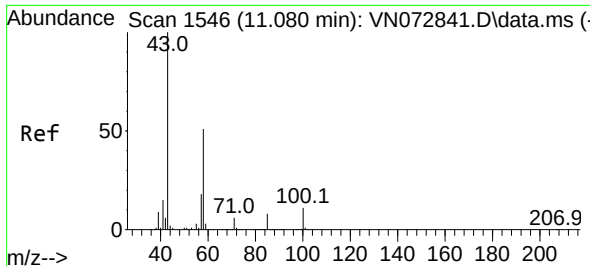
Tgt Ion: 75 Resp: 70620
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.2 37.8#
 39 38.2 35.7 53.5



#57
 1,3-Dichloropropane
 Concen: 6.649 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072857.D
 Acq: 15 Jun 2022 02:18

Tgt Ion: 76 Resp: 43812
 Ion Ratio Lower Upper
 76 100
 78 0.1 26.2 39.2#

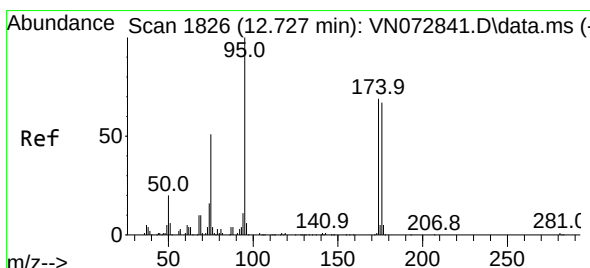
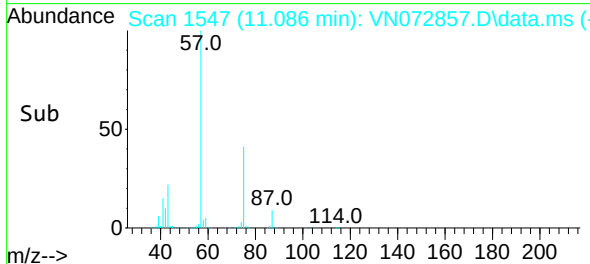
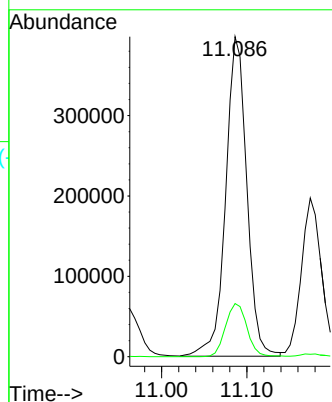
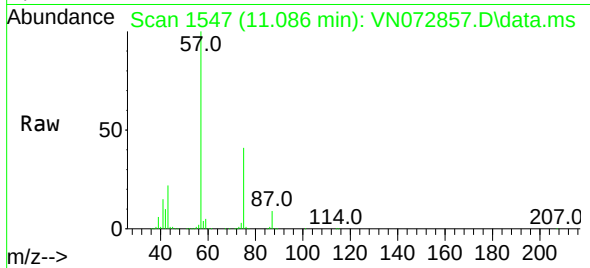




#59
2-Hexanone
Concen: 124.054 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

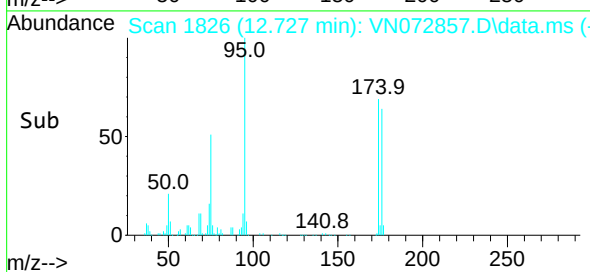
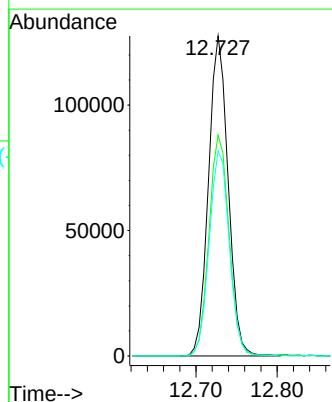
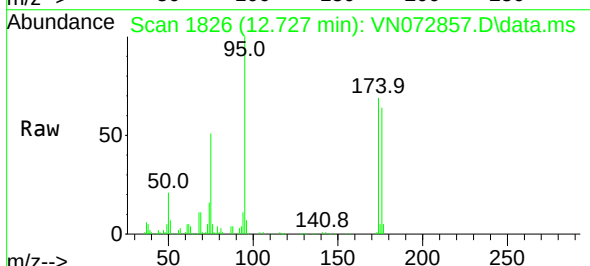
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

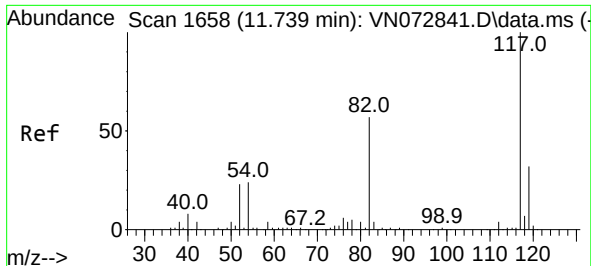
Tgt Ion: 43 Resp: 686265
Ion Ratio Lower Upper
43 100
58 17.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 49.882 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion: 95 Resp: 213982
Ion Ratio Lower Upper
95 100
174 70.6 0.0 167.6
176 65.8 0.0 163.4

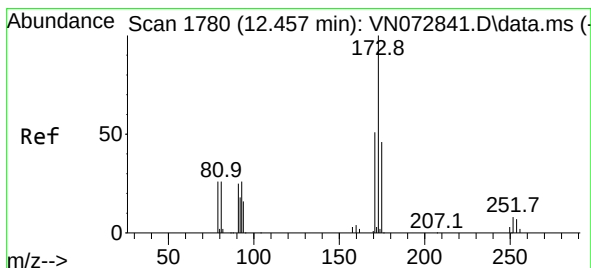
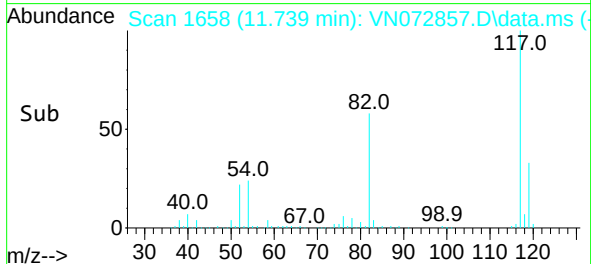
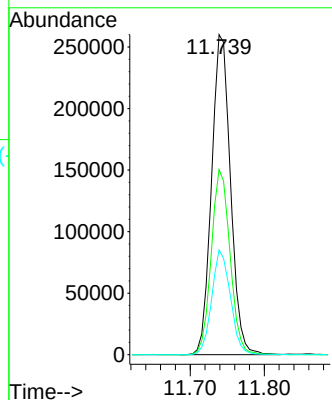
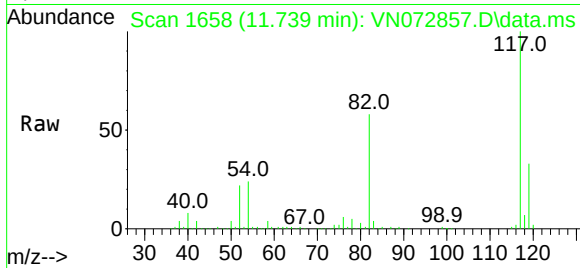




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

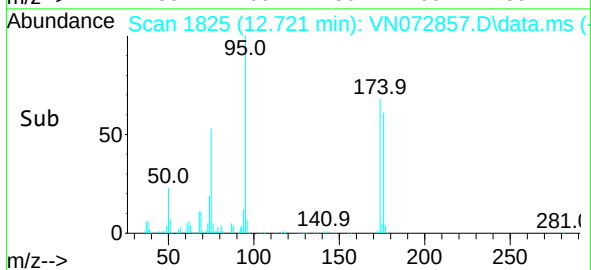
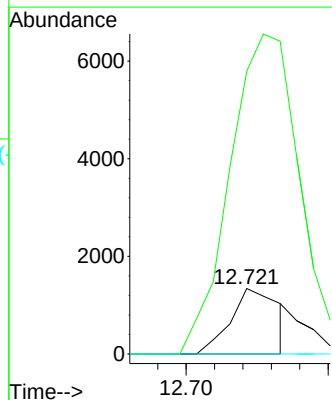
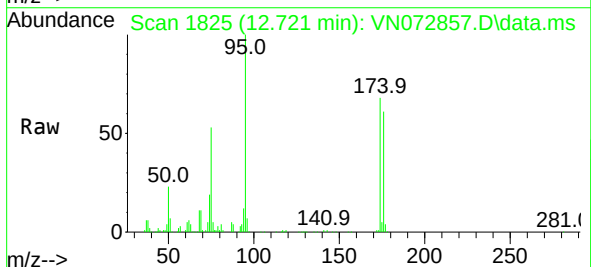
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

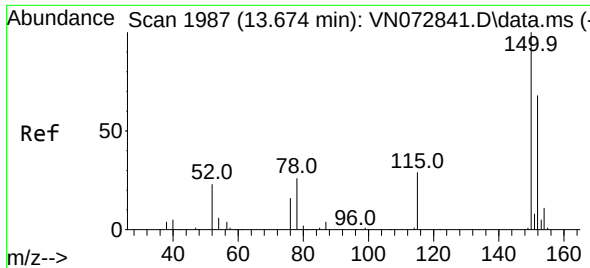
Tgt Ion:117 Resp: 462545
Ion Ratio Lower Upper
117 100
82 57.9 44.2 66.2
119 32.8 25.4 38.0



#71
Bromoform
Concen: 0.626 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion:173 Resp: 1579
Ion Ratio Lower Upper
173 100
175 555.2 24.6 73.6#
254 0.0 0.1 0.1#

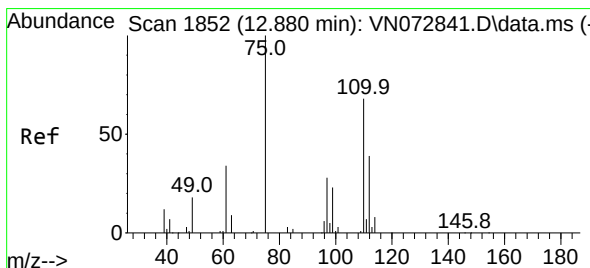
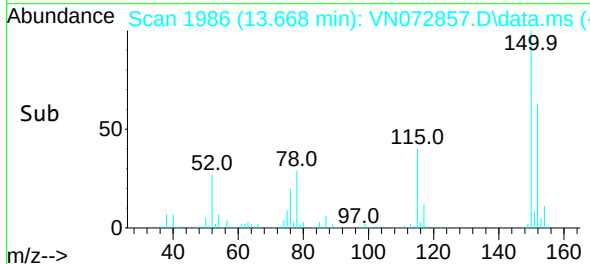
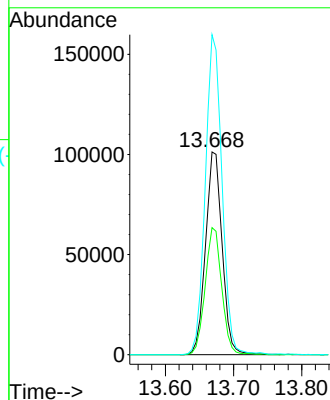
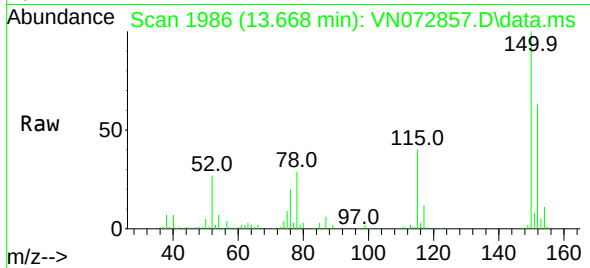




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1987
 Delta R.T. -0.006 min
 Lab File: VN072857.D
 Acq: 15 Jun 2022 02:18

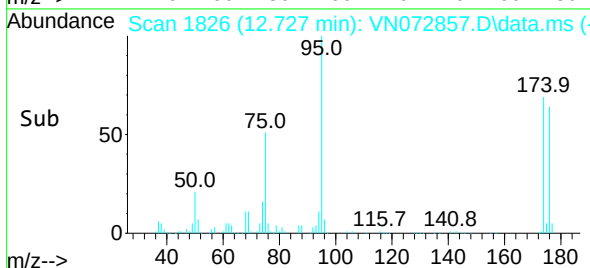
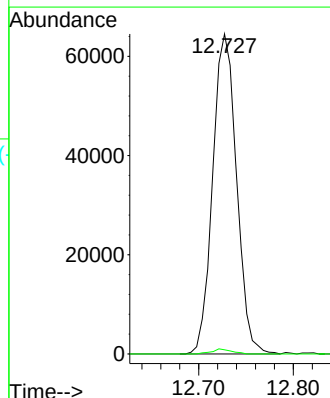
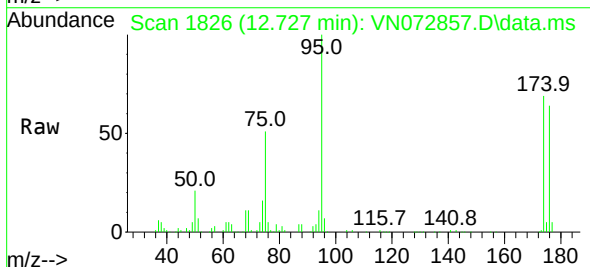
Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#09

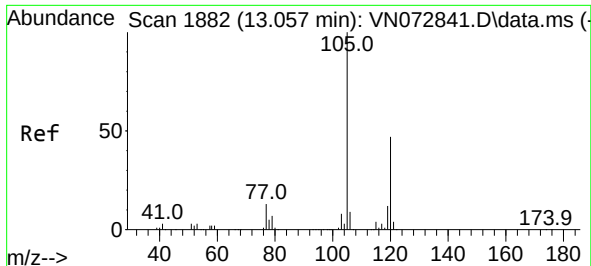
Tgt Ion:152 Resp: 171871
 Ion Ratio Lower Upper
 152 100
 115 62.6 28.9 86.7
 150 158.4 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.782 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.153 min
 Lab File: VN072857.D
 Acq: 15 Jun 2022 02:18

Tgt Ion: 75 Resp: 112941
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

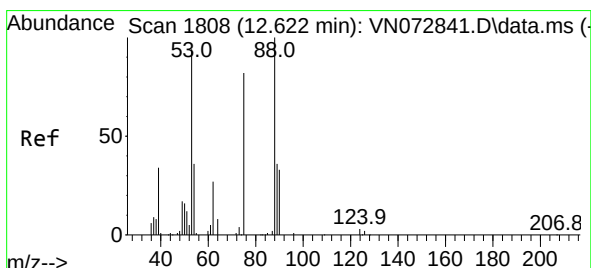
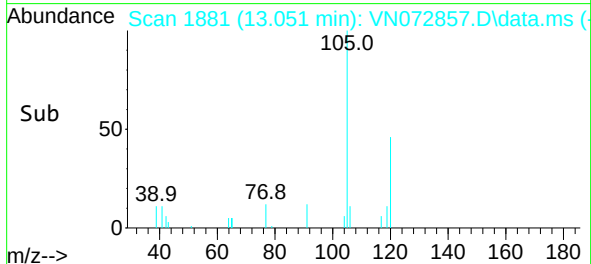
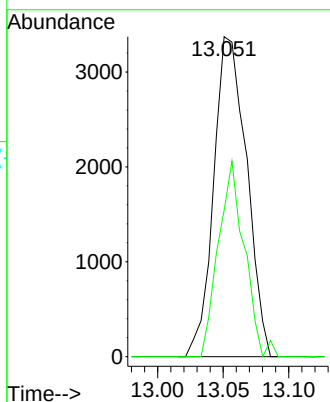
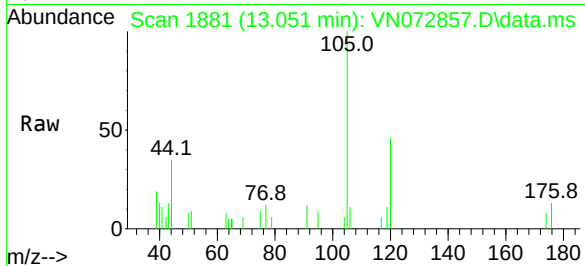




#80
1,3,5-Trimethylbenzene
Concen: 0.468 ug/l
RT: 13.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#09

Tgt Ion:105 Resp: 5880
Ion Ratio Lower Upper
105 100
120 48.4 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 70.849 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072857.D
Acq: 15 Jun 2022 02:18

Tgt Ion: 75 Resp: 112941
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

