

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061322\
 Data File : VN072815.D
 Acq On : 13 Jun 2022 23:46
 Operator : JC\MD
 Sample : PB145459ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145459ZHE#06

Quant Time: Jun 14 05:23:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061322W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 13 17:28:28 2022
 Response via : Initial Calibration

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

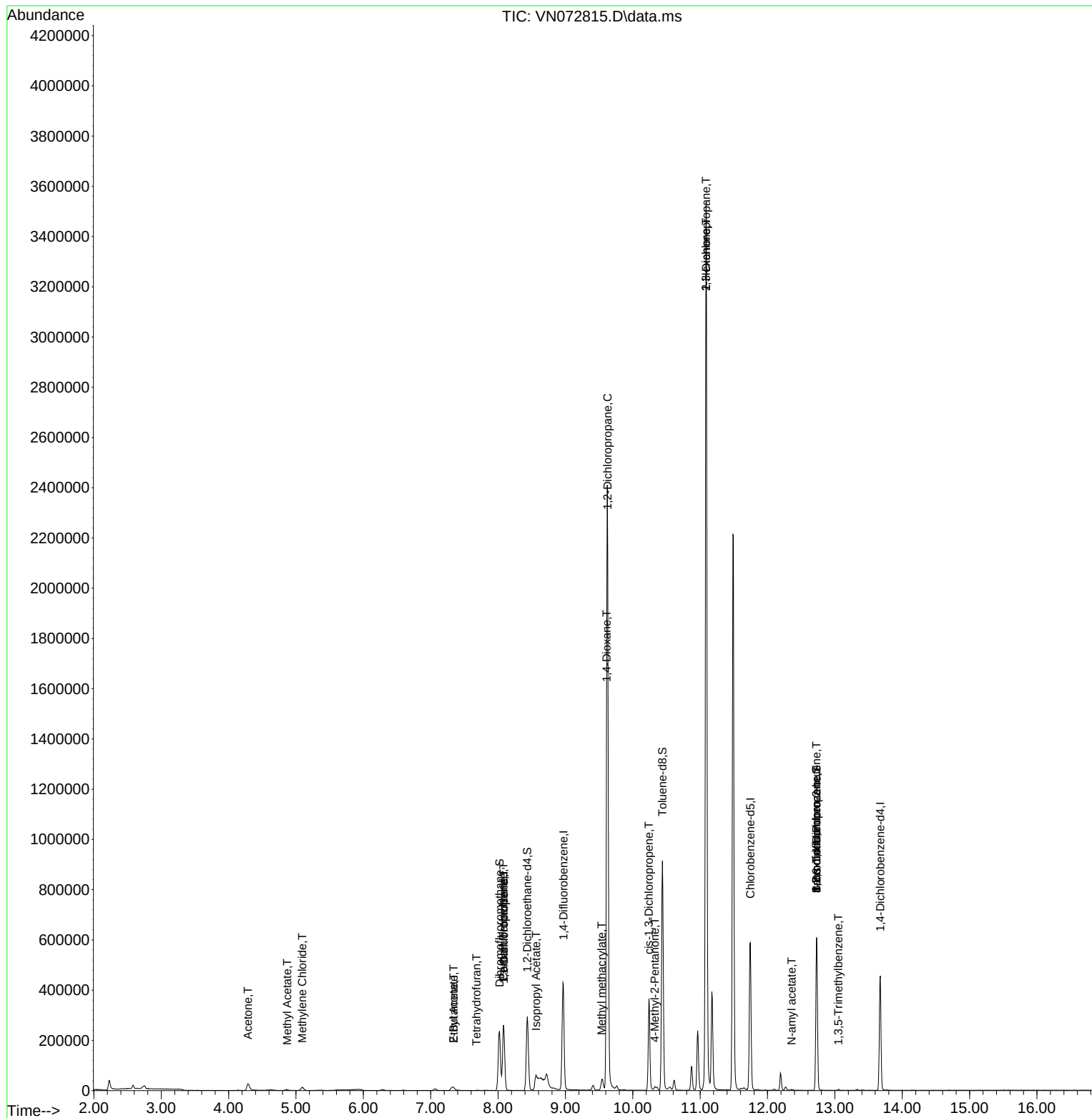
Internal Standards						
1) Pentafluorobenzene	8.080	168	161277	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.969	114	337832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	309312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	103540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	246477	54.584	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 109.160%		
35) Dibromofluoromethane	8.022	113	169710	50.440	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 100.880%		
50) Toluene-d8	10.439	98	579052	42.854	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 85.700%		
62) 4-Bromofluorobenzene	12.727	95	201817	42.265	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 84.540%		
Target Compounds						
						Qvalue
3) Chloromethane	2.304	50	561	Below Cal	#	43
6) Chloroethane	2.969	64	253	Below Cal	#	42
16) Acetone	4.287	43	50126	24.445	ug/l	99
17) Carbon Disulfide	4.528	76	61	Below Cal	#	75
18) Methyl Acetate	4.869	43	8032	1.490	ug/l	# 75
20) Methylene Chloride	5.092	84	9260	1.951	ug/l	# 83
25) 2-Butanone	7.339	43	18420	5.727	ug/l	98
29) Tetrahydrofuran	7.680	42	1459	0.732	ug/l	# 39
31) Cyclohexane	8.086	56	5393	Below Cal	#	21
36) 1,1-Dichloropropene	8.086	75	18653	3.979	ug/l	# 46
37) Ethyl Acetate	7.339	43	18420	2.572	ug/l	# 67
38) Carbon Tetrachloride	8.080	117	20691	4.211	ug/l	# 15
43) Isopropyl Acetate	8.563	43	103576	9.341	ug/l	# 66
45) 1,2-Dichloropropane	9.627	63	2826	0.723	ug/l	# 44
48) Methyl methacrylate	9.539	41	13114	2.549	ug/l	# 10
49) 1,4-Dioxane	9.610	88	145	1.649	ug/l	# 25
51) 4-Methyl-2-Pentanone	10.327	43	10349	1.407	ug/l	# 81
54) cis-1,3-Dichloropropene	10.239	75	57846	9.429	ug/l	# 76
57) 1,3-Dichloropropane	11.086	76	34561	5.152	ug/l	# 42
59) 2-Hexanone	11.086	43	586810	107.706	ug/l	# 44
71) Bromoform	12.727	173	1274	0.563	ug/l	# 28
74) N-amyl acetate	12.357	43	2915	0.576	ug/l	# 39
76) 1,2,3-Trichloropropane	12.727	75	122344	34.428	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.051	105	1982	0.232	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.727	75	122344	104.932	ug/l	# 10

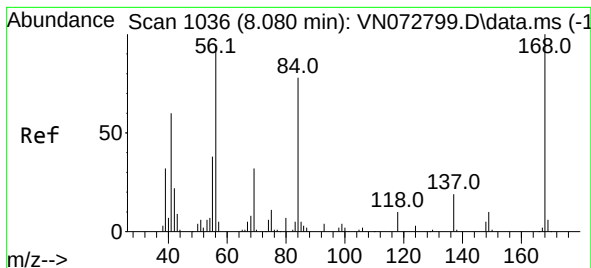
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.080 min Scan# 10

Delta R.T. 0.000 min

Lab File: VN072815.D

Acq: 13 Jun 2022 23:46

Instrument :

MSVOA_N

ClientSampleId :

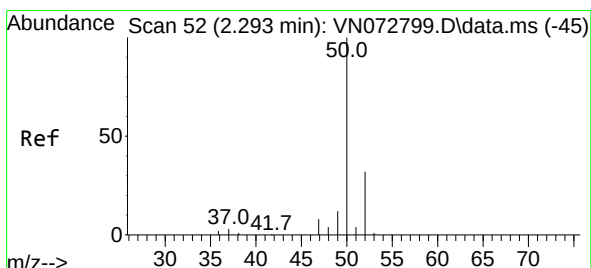
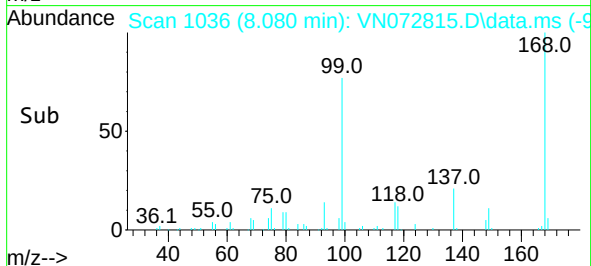
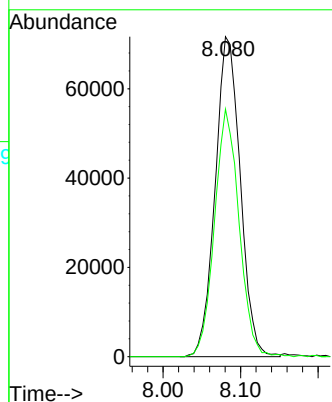
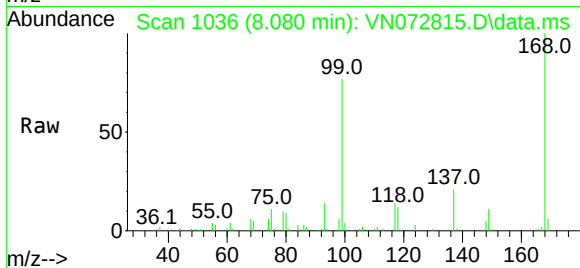
PB145459ZHE#06

Tgt Ion:168 Resp: 161277

Ion Ratio Lower Upper

168 100

99 77.4 42.3 63.5#



#3

Chloromethane

Concen: Below Cal

RT: 2.304 min Scan# 54

Delta R.T. 0.011 min

Lab File: VN072815.D

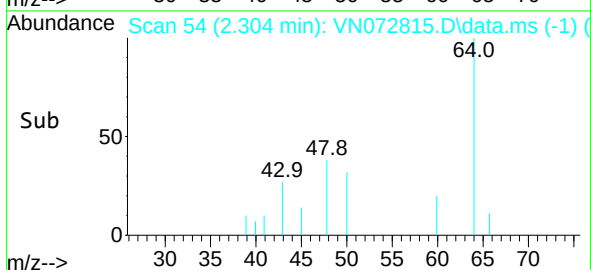
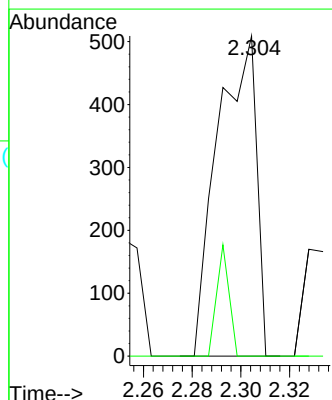
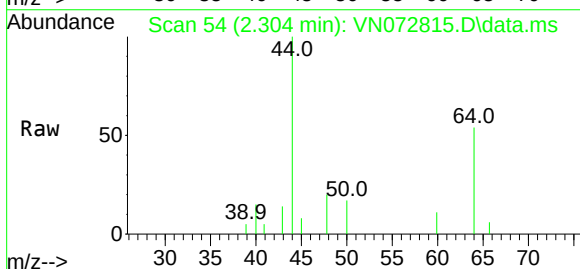
Acq: 13 Jun 2022 23:46

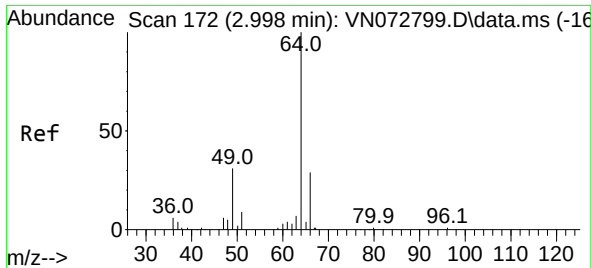
Tgt Ion: 50 Resp: 561

Ion Ratio Lower Upper

50 100

52 0.0 25.7 38.5#

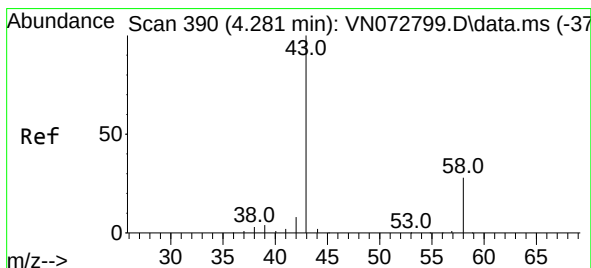
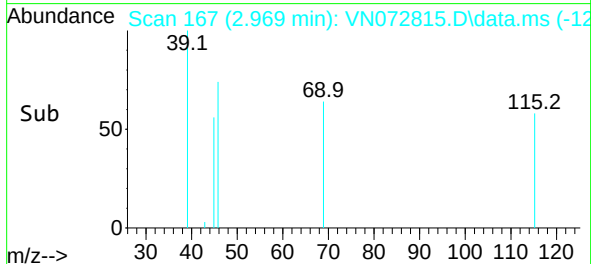
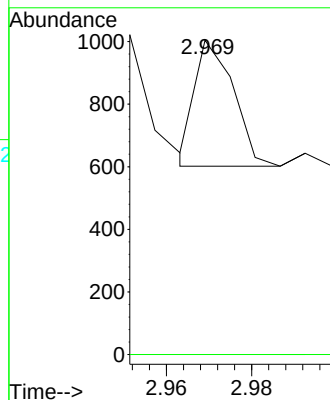
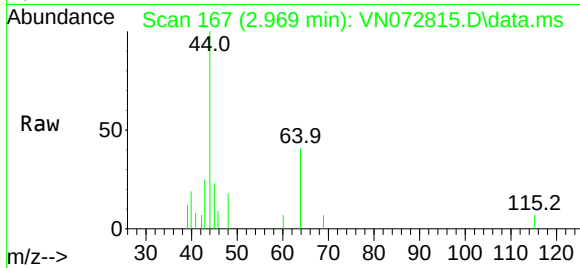




#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

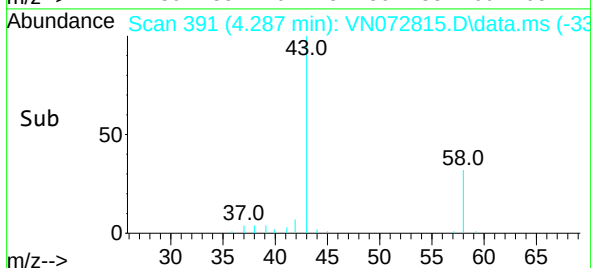
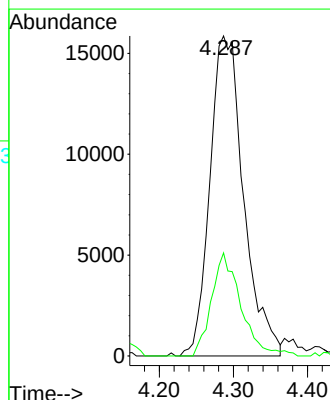
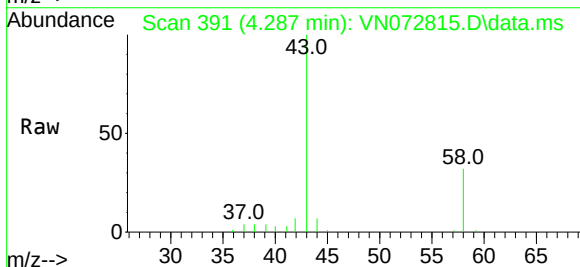
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#06

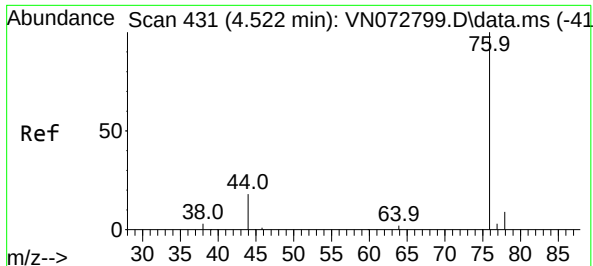
Tgt Ion: 64 Resp: 253
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 24.445 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

Tgt Ion: 43 Resp: 50126
Ion Ratio Lower Upper
43 100
58 32.2 26.0 39.0

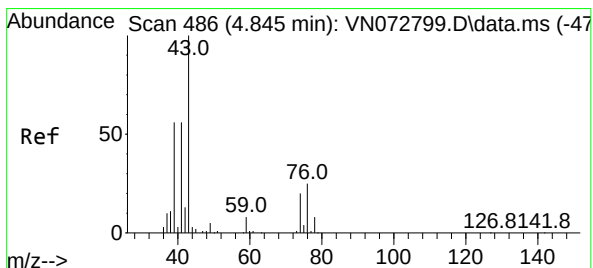
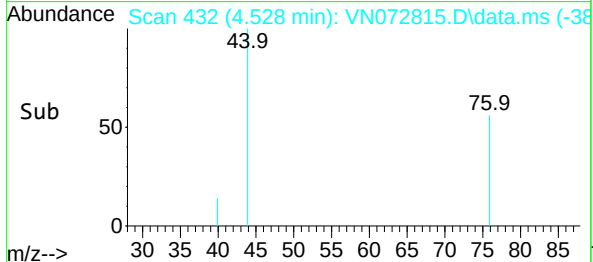
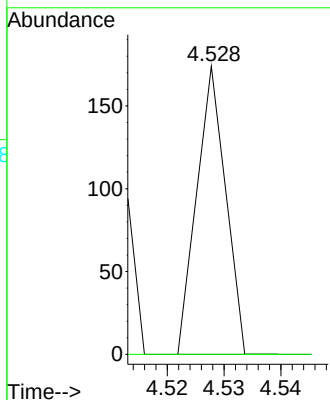
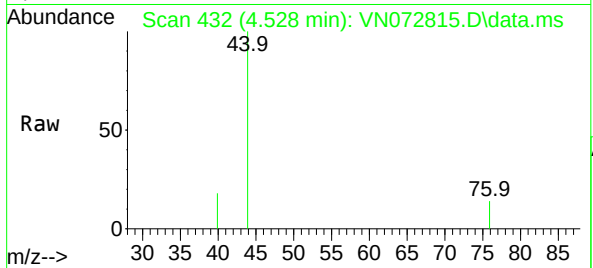




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.528 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

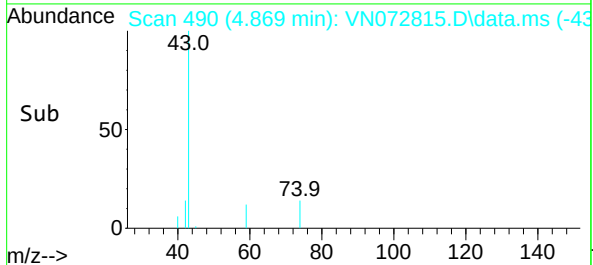
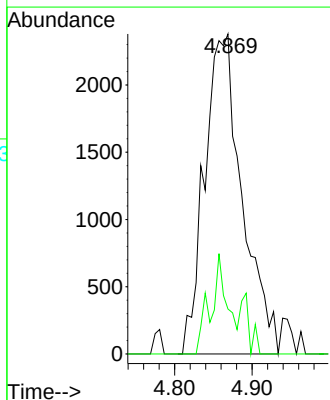
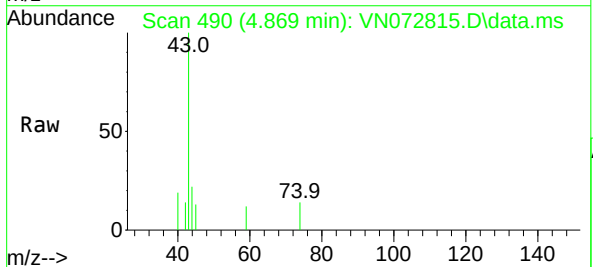
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#06

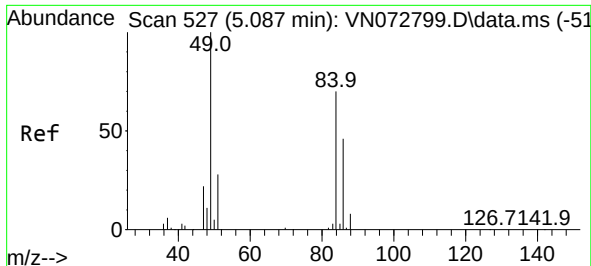
Tgt Ion: 76 Resp: 61
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.490 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.024 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

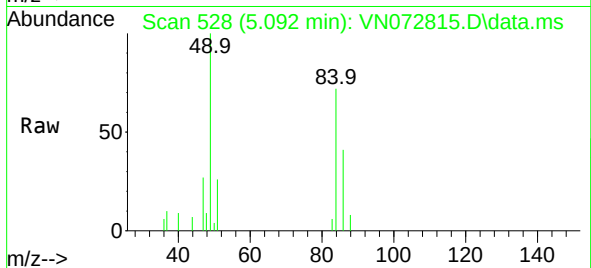
Tgt Ion: 43 Resp: 8032
Ion Ratio Lower Upper
43 100
74 14.1 21.6 32.4#



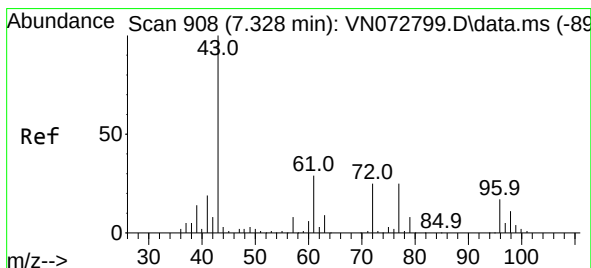
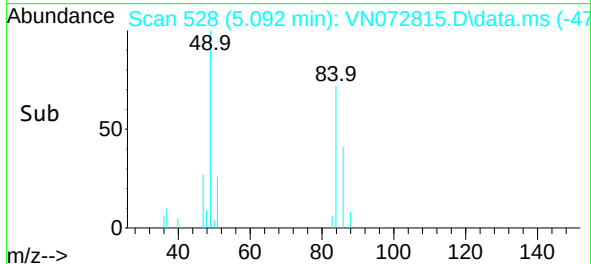
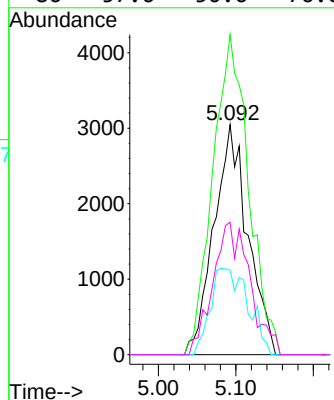


#20
Methylene Chloride
Concen: 1.951 ug/l
RT: 5.092 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#06

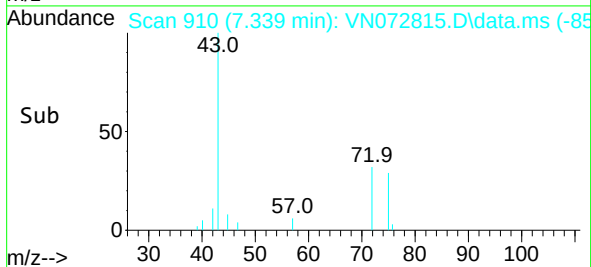
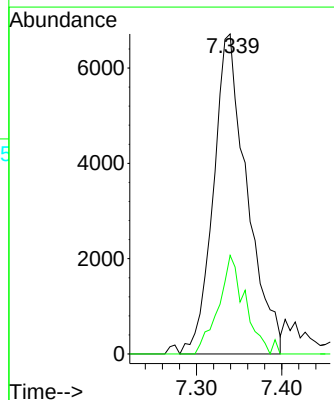
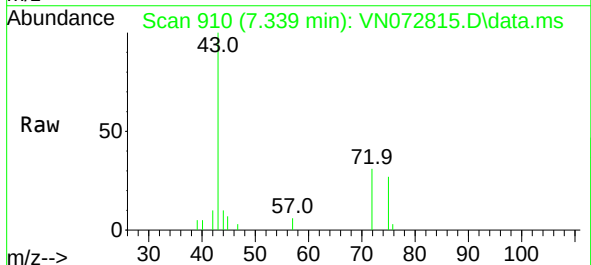


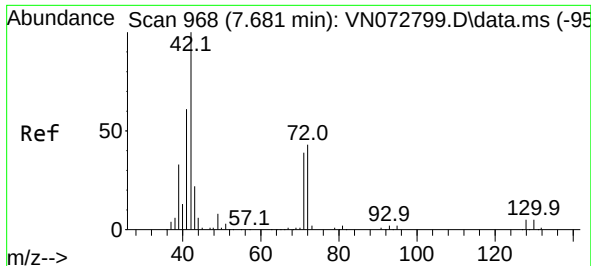
Tgt Ion: 84 Resp: 9260
Ion Ratio Lower Upper
84 100
49 139.0 88.3 132.5#
51 36.8 28.2 42.2
86 57.6 50.6 76.0



#25
2-Butanone
Concen: 5.727 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

Tgt Ion: 43 Resp: 18420
Ion Ratio Lower Upper
43 100
72 30.8 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.732 ug/l

RT: 7.680 min Scan# 91

Delta R.T. -0.001 min

Lab File: VN072815.D

Acq: 13 Jun 2022 23:46

Instrument :

MSVOA_N

ClientSampleId :

PB145459ZHE#06

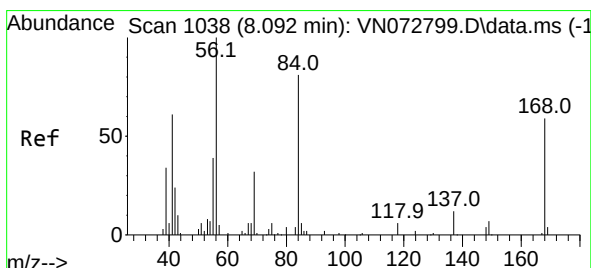
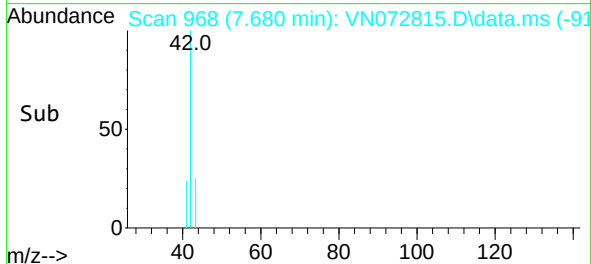
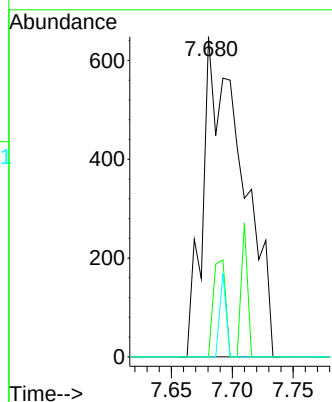
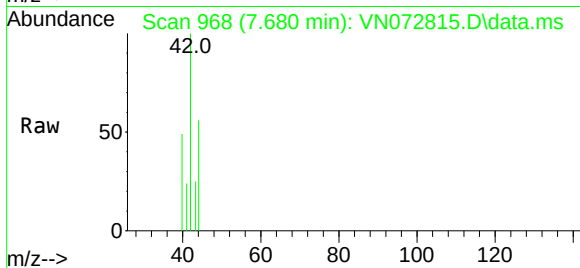
Tgt Ion: 42 Resp: 1459

Ion Ratio Lower Upper

42 100

72 9.3 39.7 59.5#

71 4.1 36.6 55.0#



#31

Cyclohexane

Concen: Below Cal

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN072815.D

Acq: 13 Jun 2022 23:46

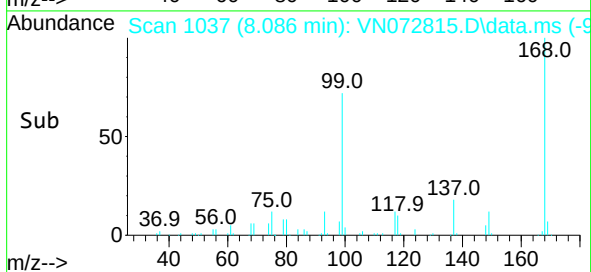
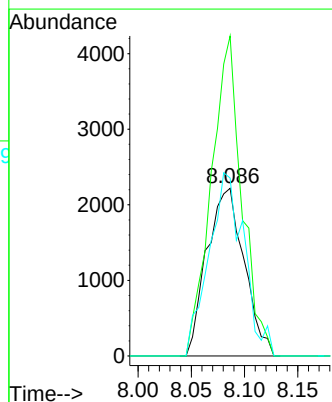
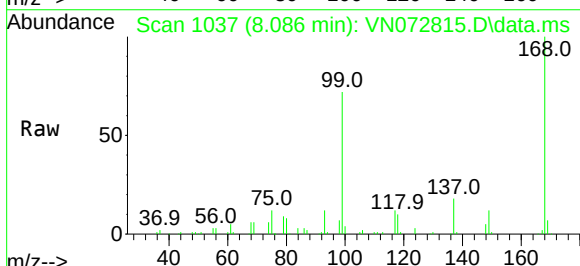
Tgt Ion: 56 Resp: 5393

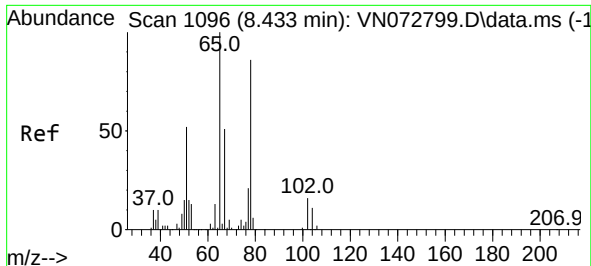
Ion Ratio Lower Upper

56 100

69 190.9 27.8 41.8#

84 106.1 76.9 115.3

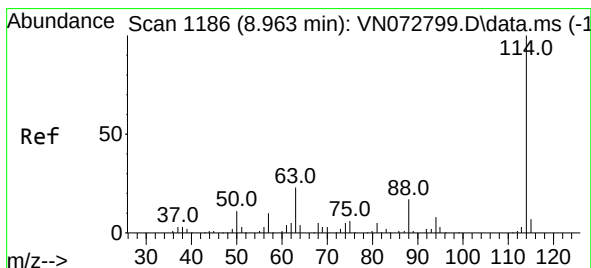
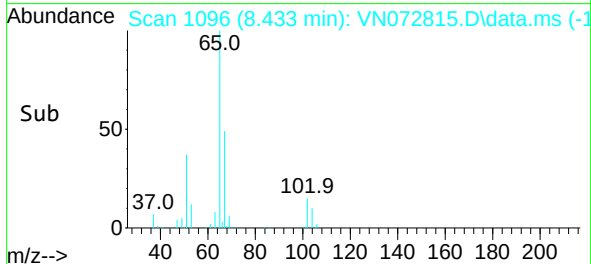
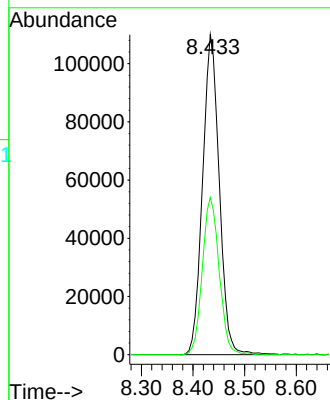
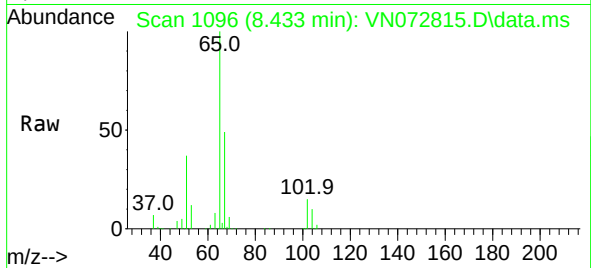




#33
 1,2-Dichloroethane-d4
 Concen: 54.584 ug/l
 RT: 8.433 min Scan# 1107
 Delta R.T. 0.000 min
 Lab File: VN072815.D
 Acq: 13 Jun 2022 23:46

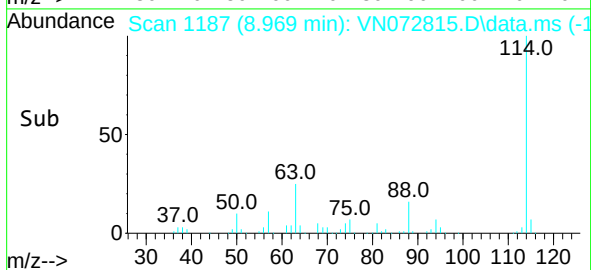
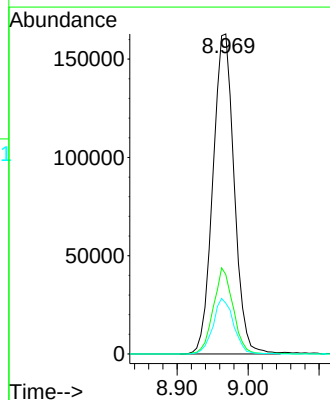
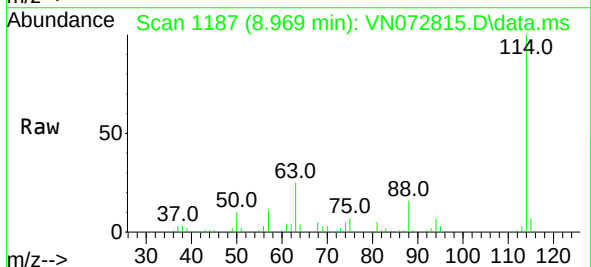
Instrument :
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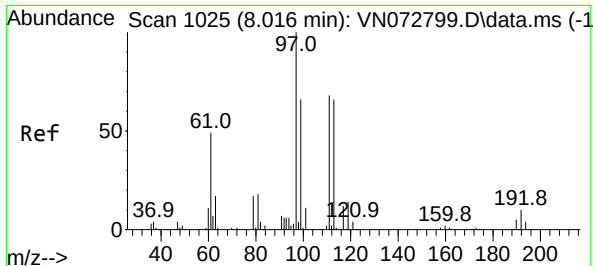
Tgt Ion: 65 Resp: 246477
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.969 min Scan# 1187
 Delta R.T. 0.006 min
 Lab File: VN072815.D
 Acq: 13 Jun 2022 23:46

Tgt Ion: 114 Resp: 337832
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 40.0
 88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.440 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072815.D

Acq: 13 Jun 2022 23:46

Instrument :

MSVOA_N

ClientSampleId :

PB145459ZHE#06

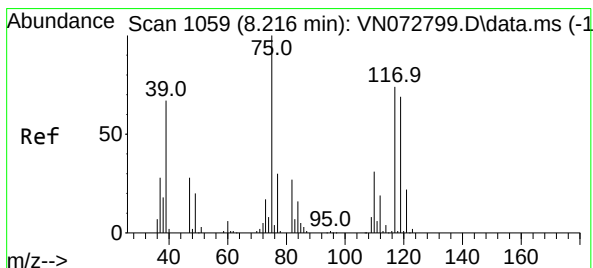
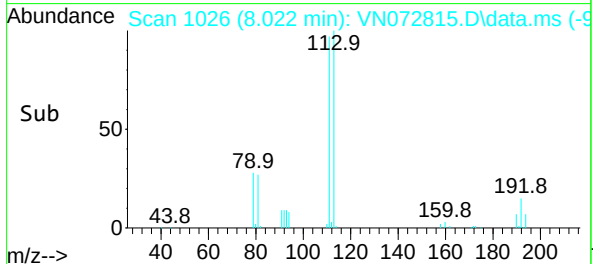
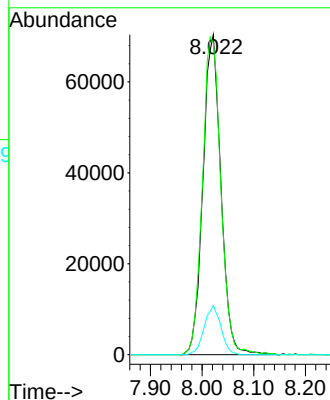
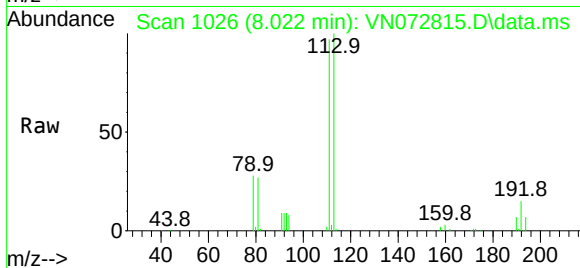
Tgt Ion:113 Resp: 169710

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

192 14.3 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 3.979 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072815.D

Acq: 13 Jun 2022 23:46

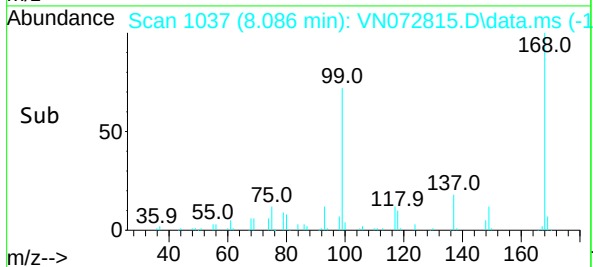
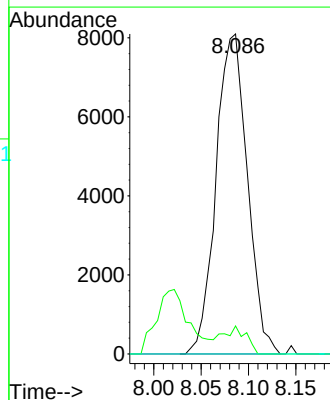
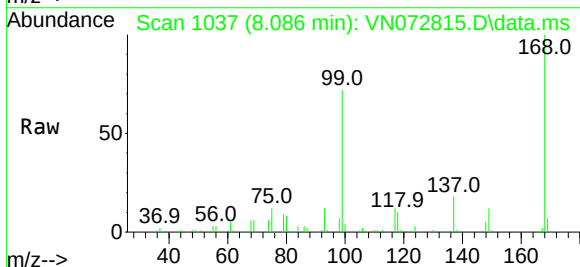
Tgt Ion: 75 Resp: 18653

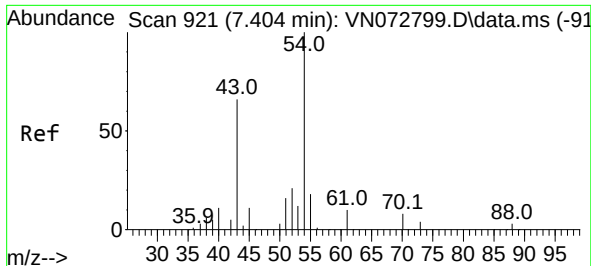
Ion Ratio Lower Upper

75 100

110 6.4 18.3 54.8#

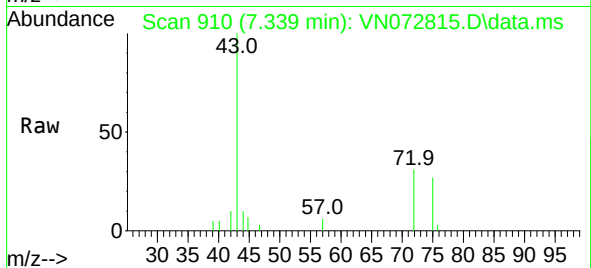
77 0.0 25.1 37.7#



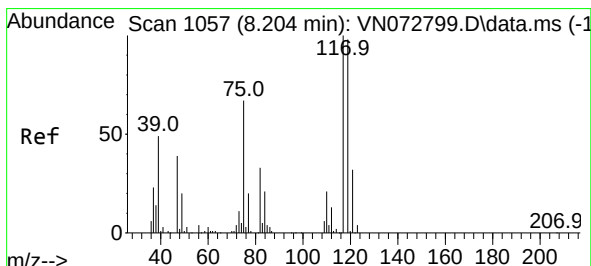
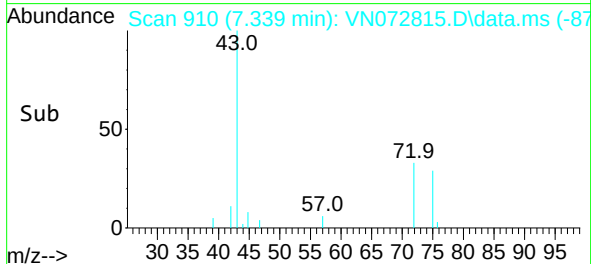
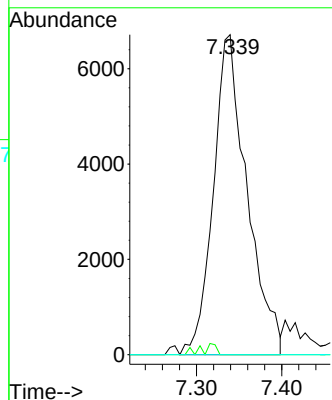


#37
Ethyl Acetate
Concen: 2.572 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#06

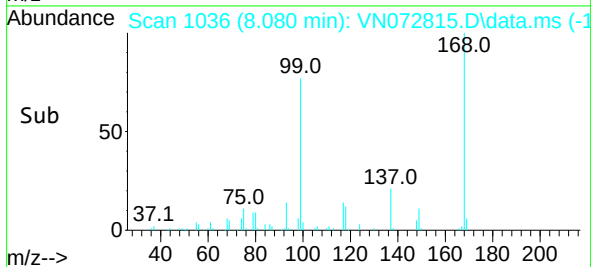
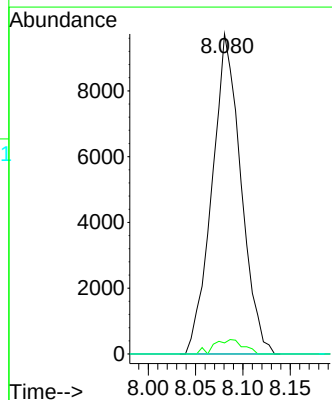
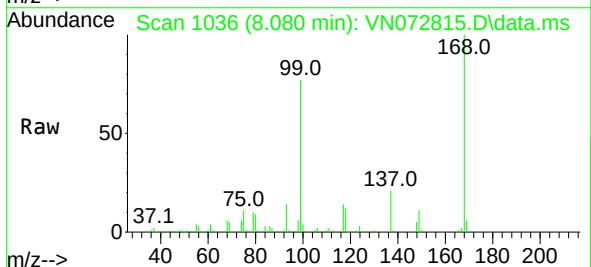


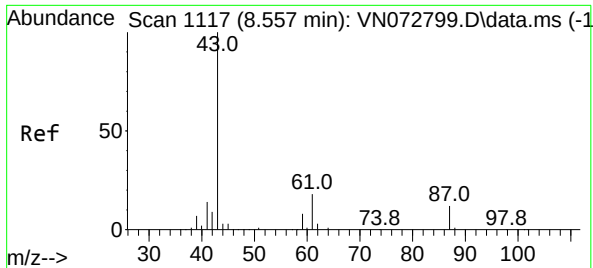
Tgt Ion: 43 Resp: 18420
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 4.211 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

Tgt Ion: 117 Resp: 20691
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.8#
121 0.0 24.6 37.0#

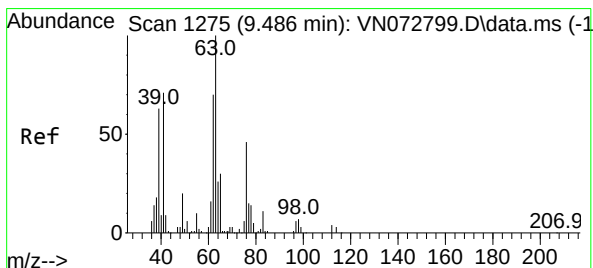
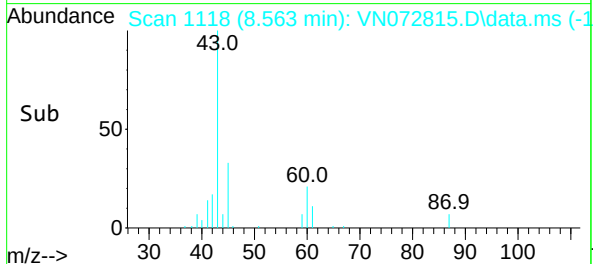
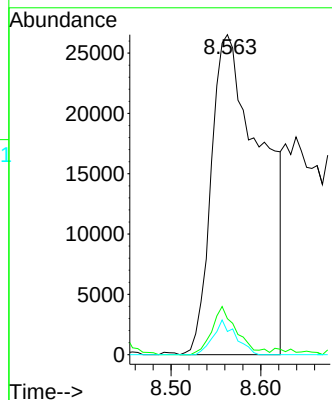
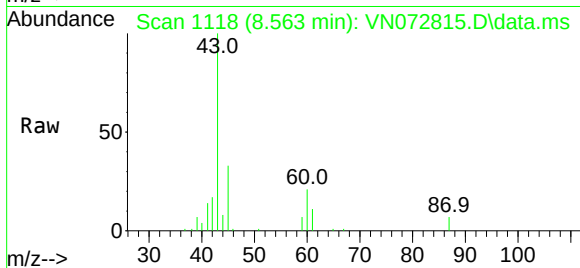




#43
Isopropyl Acetate
Concen: 9.341 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

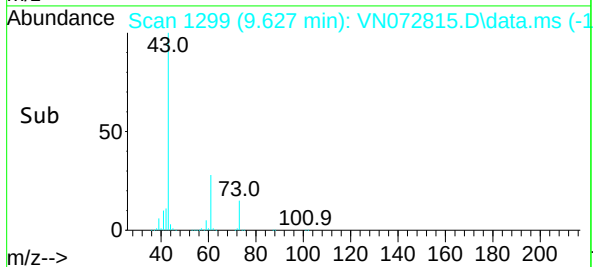
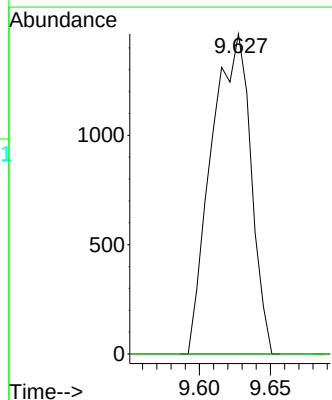
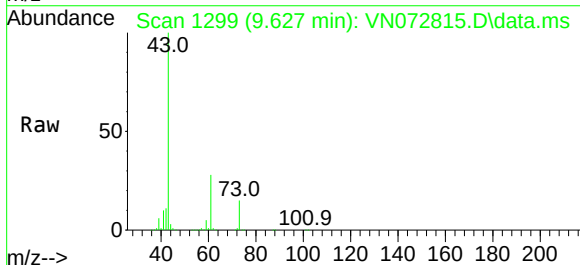
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#06

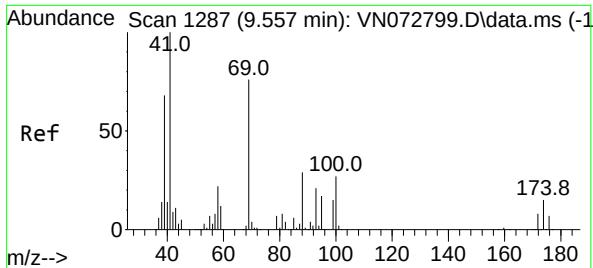
Tgt Ion: 43 Resp: 103576
Ion Ratio Lower Upper
43 100
61 7.3 21.9 32.9#
87 4.8 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.723 ug/l
RT: 9.627 min Scan# 1299
Delta R.T. 0.141 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

Tgt Ion: 63 Resp: 2826
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

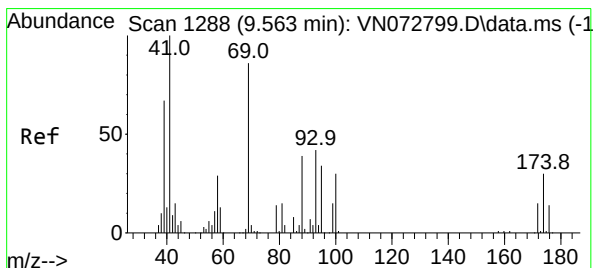
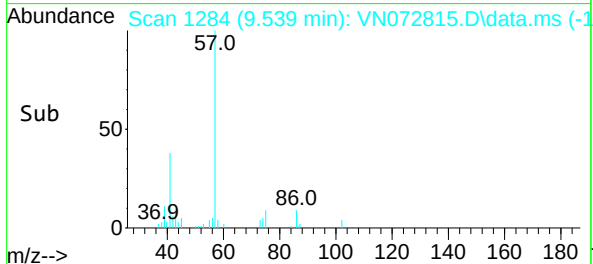
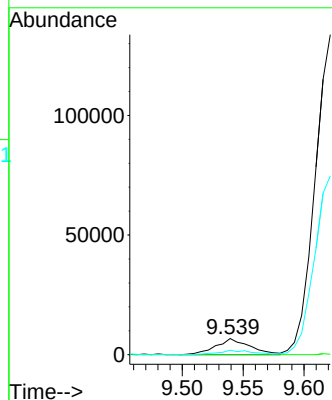
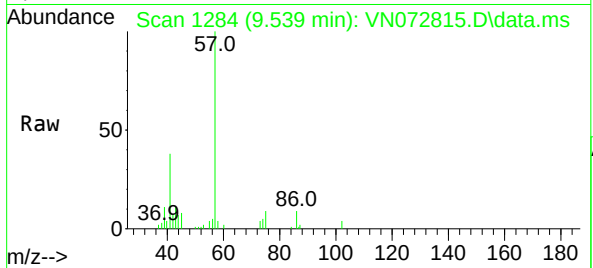




#48
Methyl methacrylate
Concen: 2.549 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

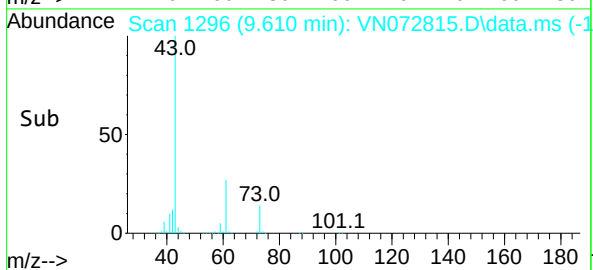
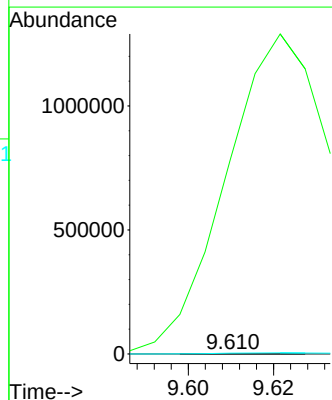
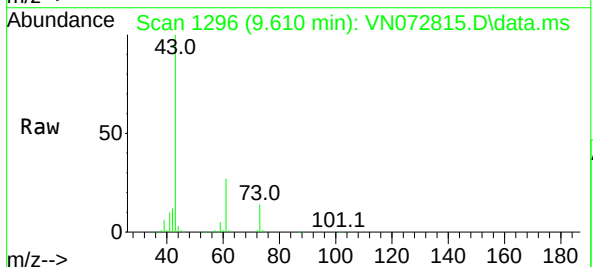
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#06

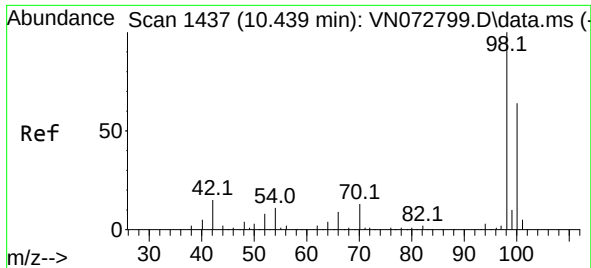
Tgt Ion: 41 Resp: 13114
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 1.649 ug/l
RT: 9.610 min Scan# 1296
Delta R.T. 0.047 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

Tgt Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

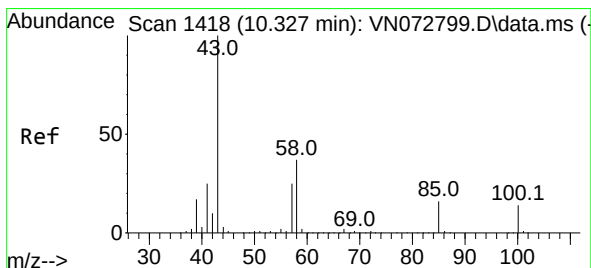
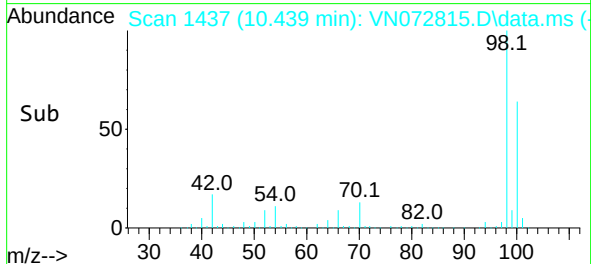
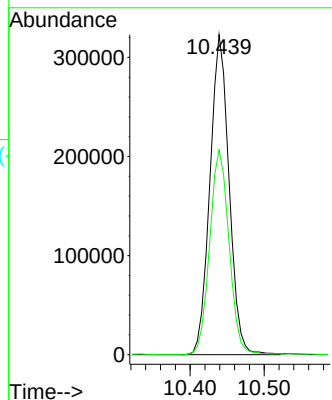
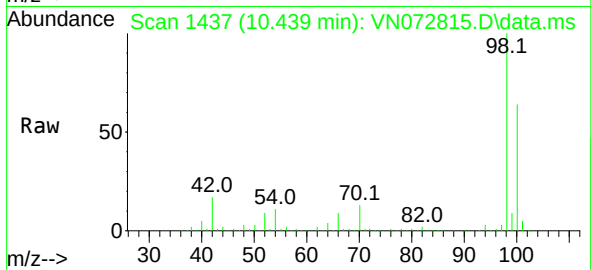




#50
Toluene-d8
Concen: 42.854 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

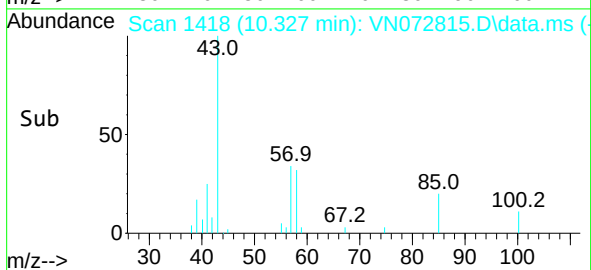
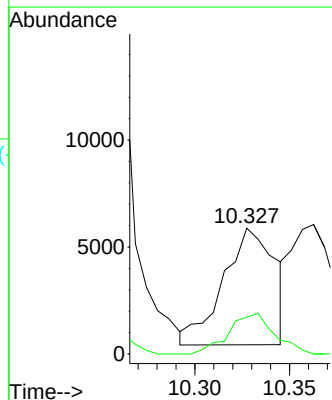
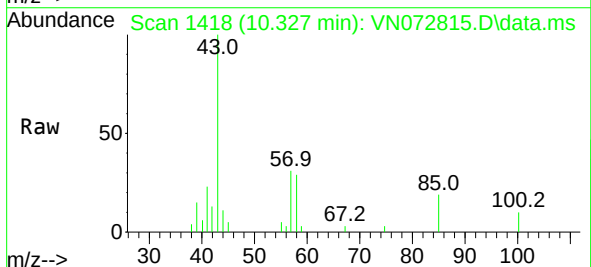
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#06

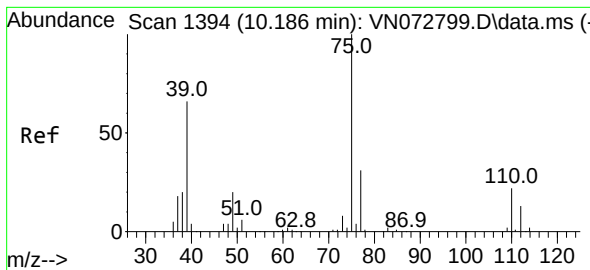
Tgt Ion: 98 Resp: 579052
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.407 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

Tgt Ion: 43 Resp: 10349
Ion Ratio Lower Upper
43 100
58 30.8 34.1 51.1#

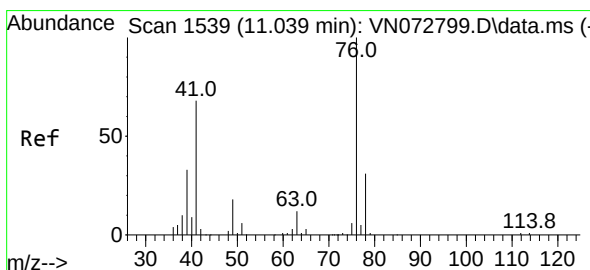
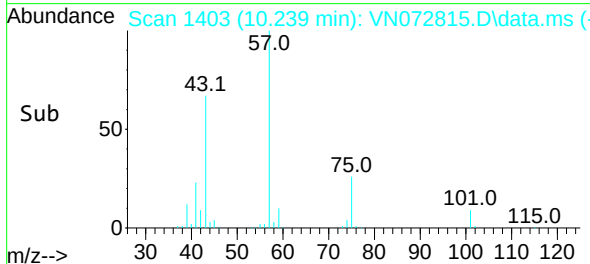
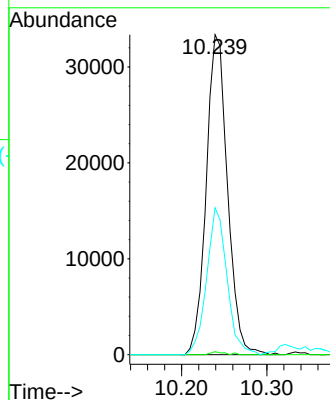
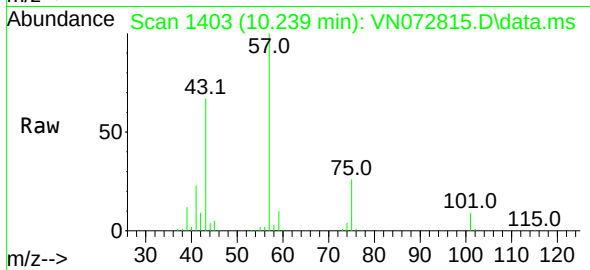




#54
 cis-1,3-Dichloropropene
 Concen: 9.429 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072815.D
 Acq: 13 Jun 2022 23:46

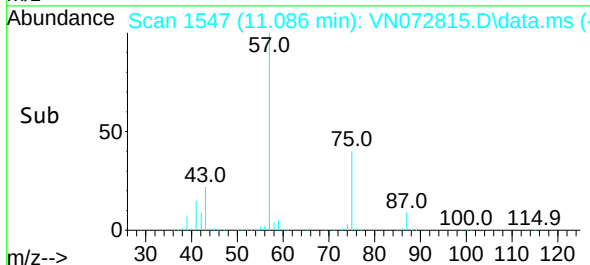
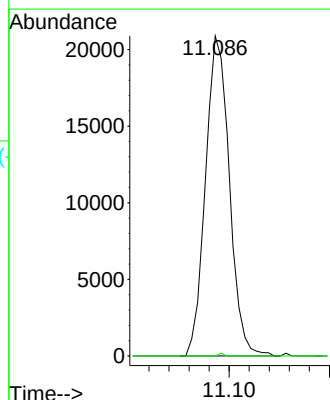
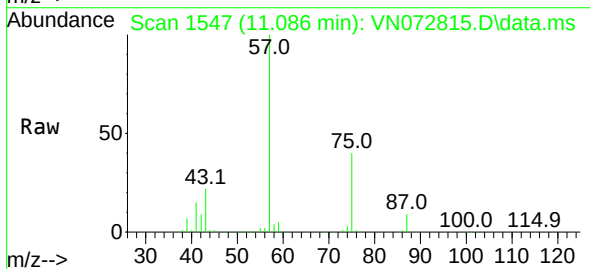
Instrument :
 MSVOA_N
 ClientSampleId :
 PB145459ZHE#06

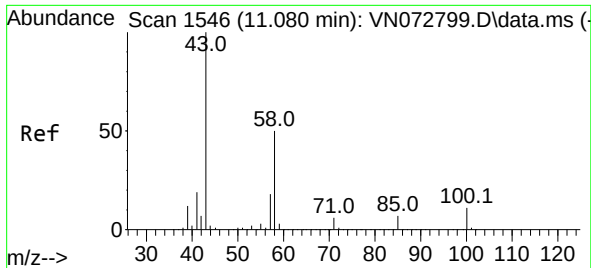
Tgt Ion: 75 Resp: 57846
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.2 37.8#
 39 45.9 35.7 53.5



#57
 1,3-Dichloropropane
 Concen: 5.152 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072815.D
 Acq: 13 Jun 2022 23:46

Tgt Ion: 76 Resp: 34561
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.2 39.2#

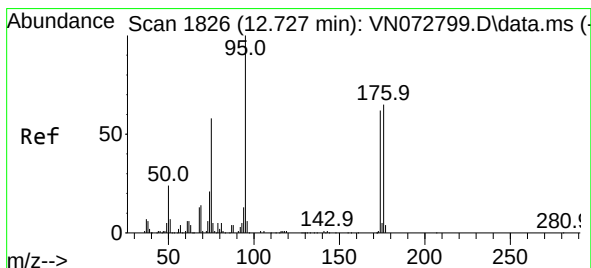
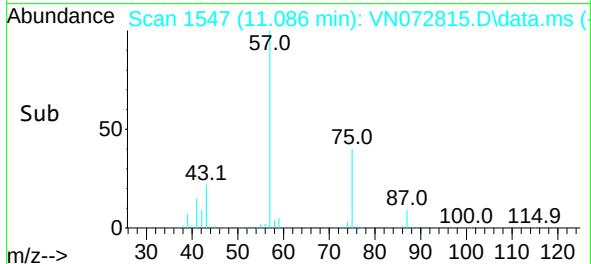
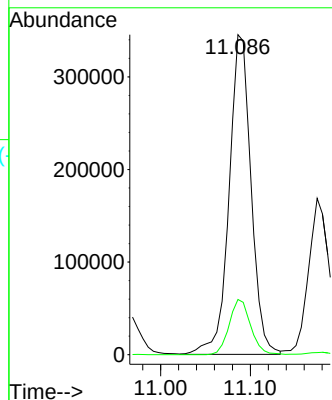
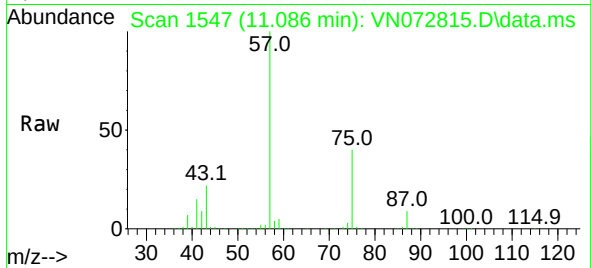




#59
2-Hexanone
Concen: 107.706 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

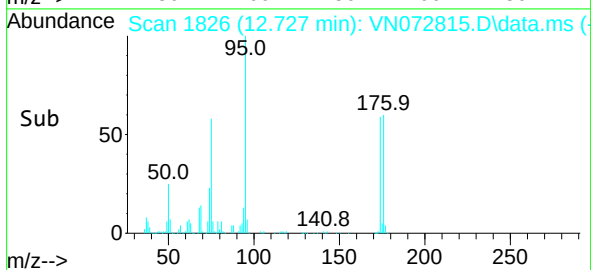
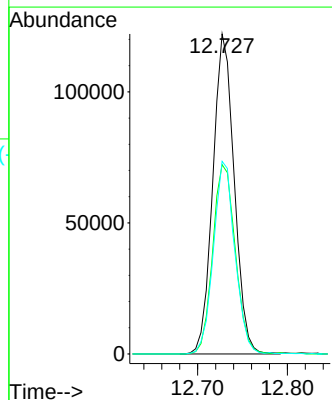
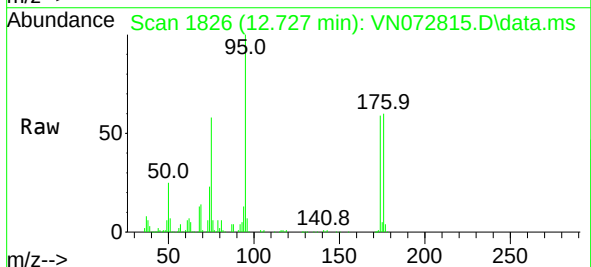
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#06

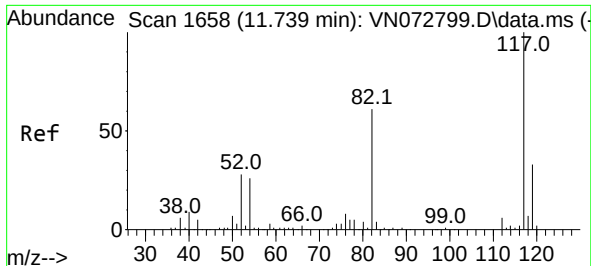
Tgt Ion: 43 Resp: 586810
Ion Ratio Lower Upper
43 100
58 16.9 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 42.265 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

Tgt Ion: 95 Resp: 201817
Ion Ratio Lower Upper
95 100
174 62.5 0.0 167.6
176 60.6 0.0 163.4

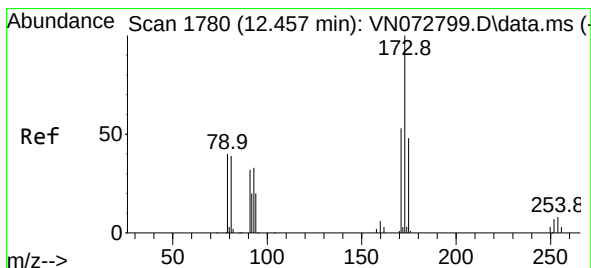
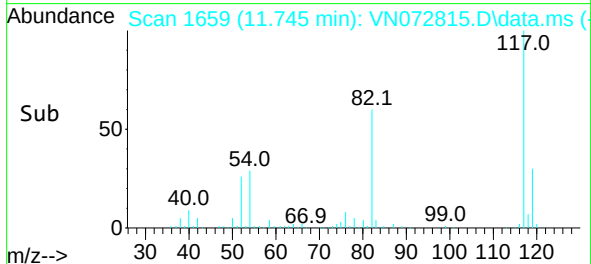
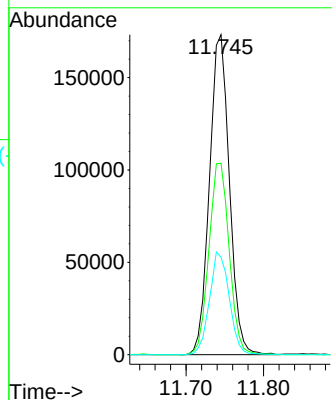
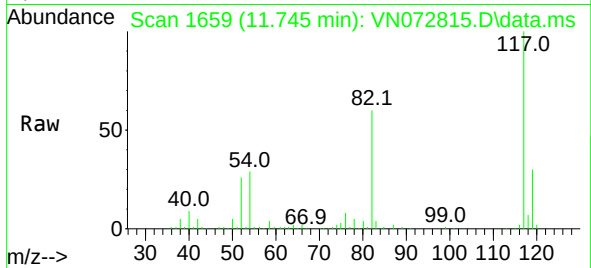




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

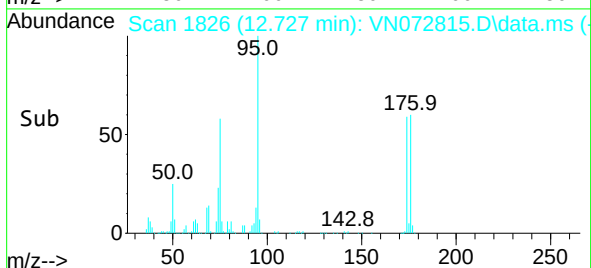
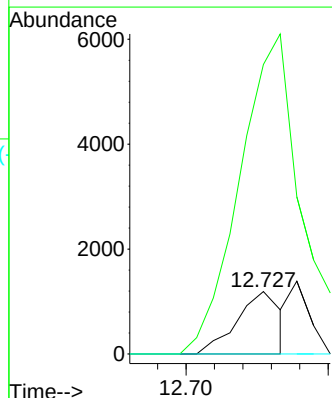
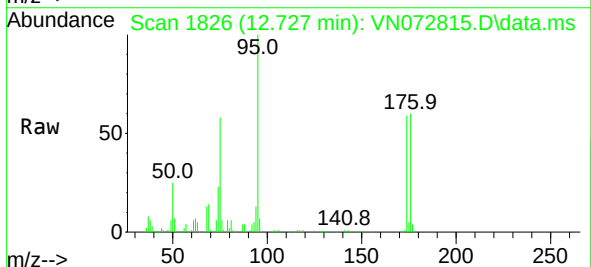
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#06

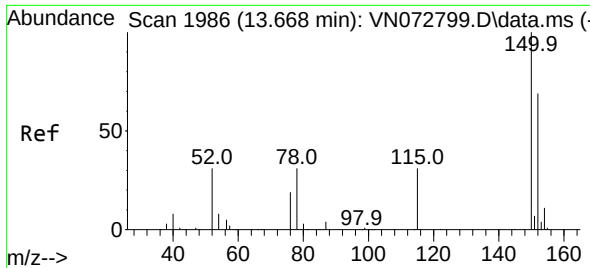
Tgt Ion:117 Resp: 309312
Ion Ratio Lower Upper
117 100
82 59.8 44.2 66.2
119 30.4 25.4 38.0



#71
Bromoform
Concen: 0.563 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

Tgt Ion:173 Resp: 1274
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

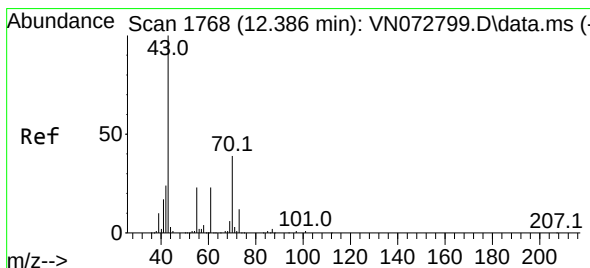
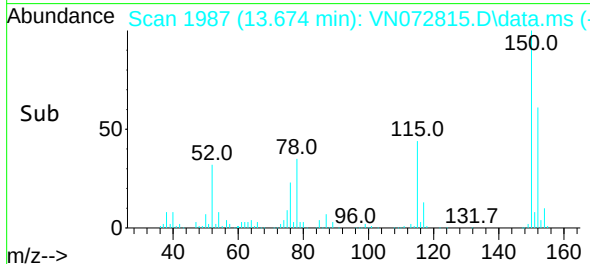
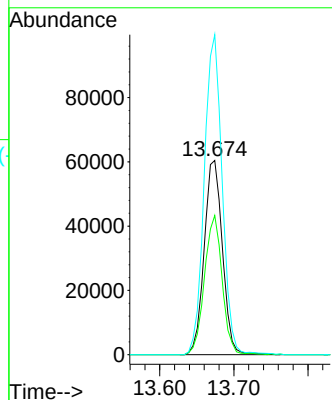
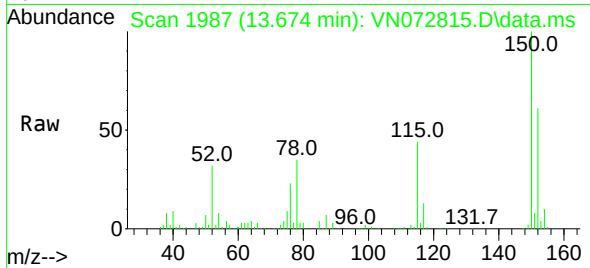




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN072815.D
 Acq: 13 Jun 2022 23:46

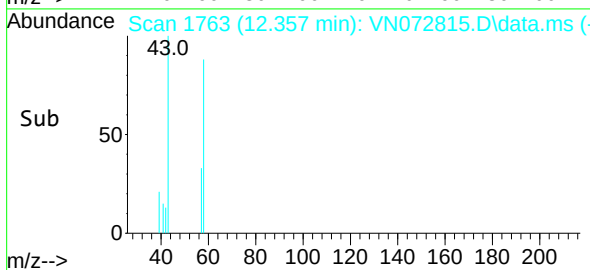
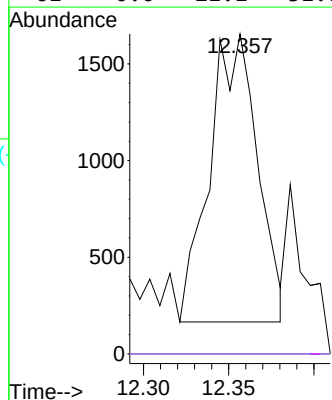
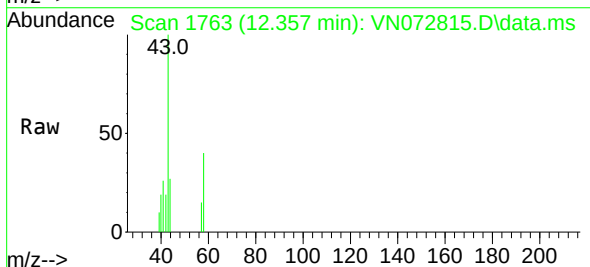
Instrument :
 MSVOA_N
 ClientSampleId :
 PB145459ZHE#06

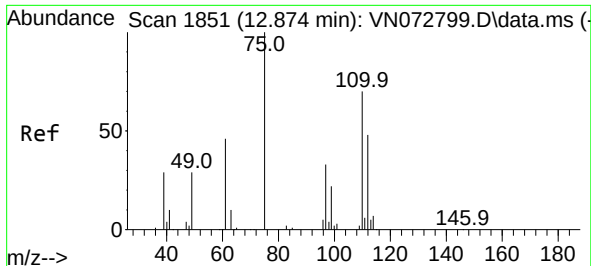
Tgt Ion:152 Resp: 103540
 Ion Ratio Lower Upper
 152 100
 115 69.4 28.9 86.7
 150 161.4 0.0 356.2



#74
 N-ethyl acetate
 Concen: 0.576 ug/l
 RT: 12.357 min Scan# 1763
 Delta R.T. -0.029 min
 Lab File: VN072815.D
 Acq: 13 Jun 2022 23:46

Tgt Ion: 43 Resp: 2915
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 0.0 21.1 31.7#
 61 0.0 21.1 31.7#

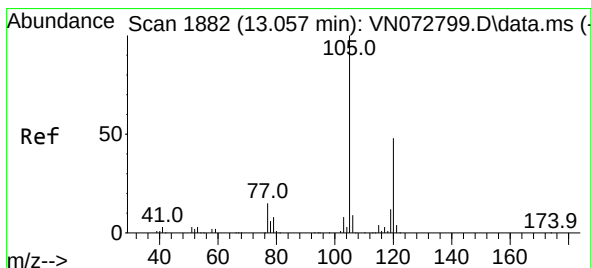
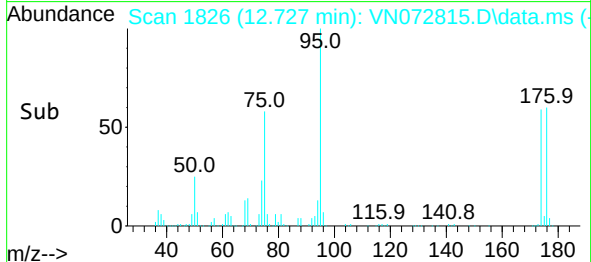
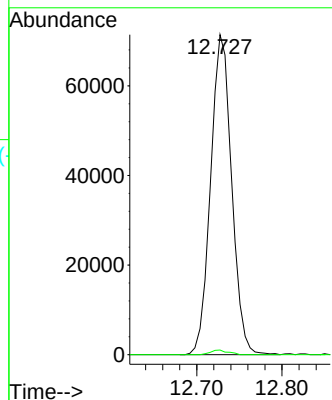
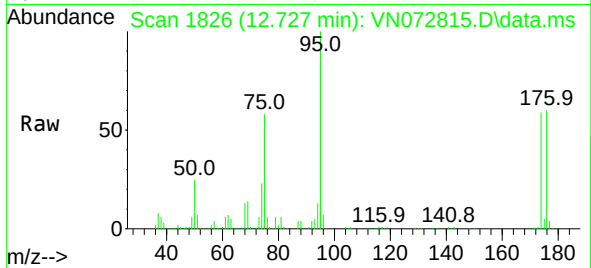




#76
1,2,3-Trichloropropane
Concen: 34.428 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

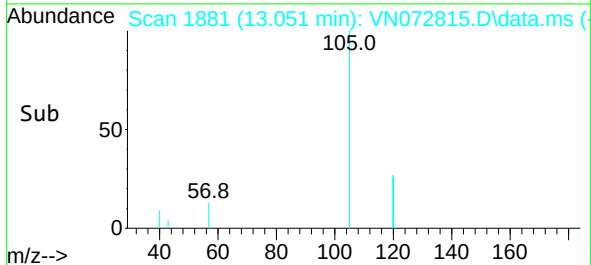
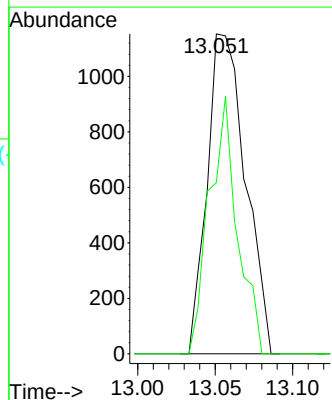
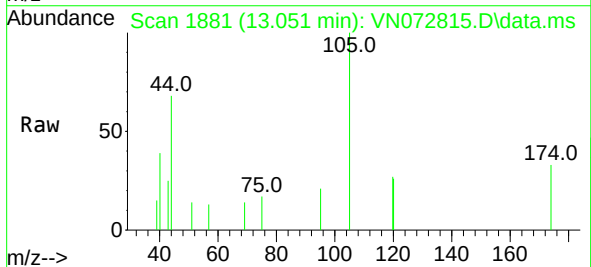
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#06

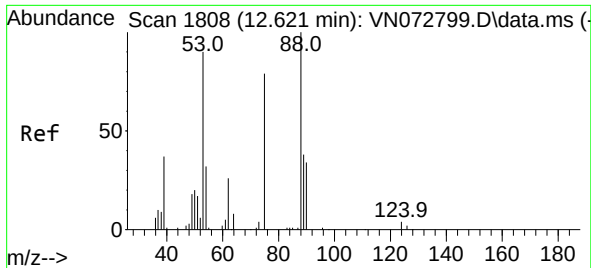
Tgt Ion: 75 Resp: 122344
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.232 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.006 min
Lab File: VN072815.D
Acq: 13 Jun 2022 23:46

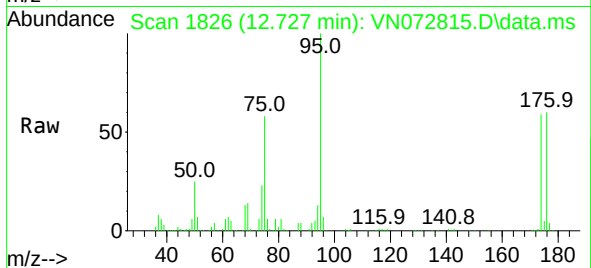
Tgt Ion: 105 Resp: 1982
Ion Ratio Lower Upper
105 100
120 58.7 24.9 74.7





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.932 ug/l
 RT: 12.727 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072815.D
 Acq: 13 Jun 2022 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145459ZHE#06



Tgt Ion: 75 Resp: 122344
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

