

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012623\
 Data File : VN076416.D
 Acq On : 26 Jan 2023 13:37
 Operator : JC\MD
 Sample : PB150465ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150465ZHE#01

Quant Time: Jan 27 00:34:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

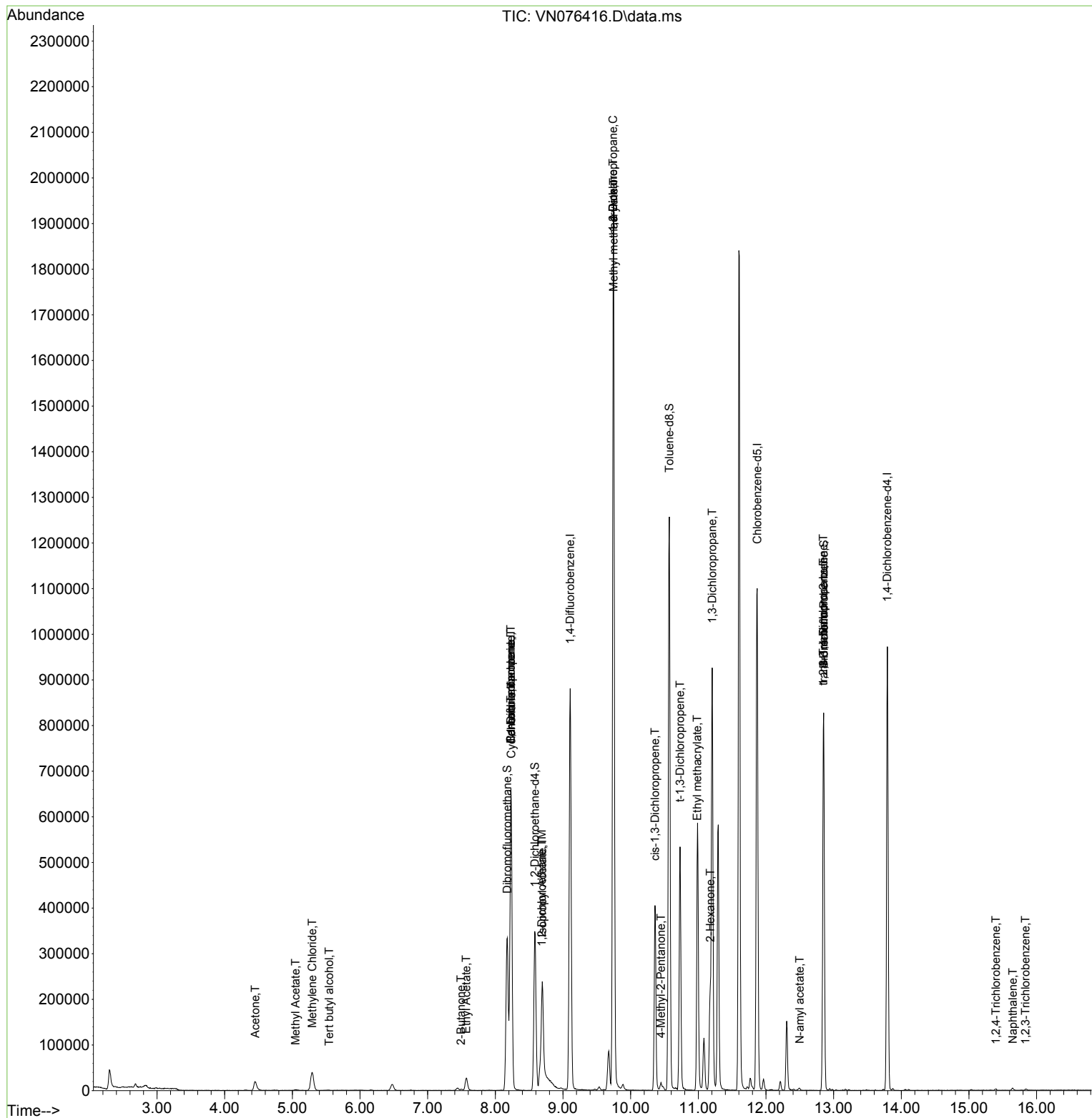
Internal Standards						
1) Pentafluorobenzene	8.229	168	474973	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	789383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	666245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	260534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	297407	55.922	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	111.840%		
35) Dibromofluoromethane	8.177	113	245832	49.785	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.560%		
50) Toluene-d8	10.570	98	879718	48.240	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.480%		
62) 4-Bromofluorobenzene	12.853	95	276095	46.377	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.760%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.541	59	533	0.749	ug/l	# 72
16) Acetone	4.453	43	37793	22.101	ug/l	# 87
18) Methyl Acetate	5.047	43	3194	0.553	ug/l	96
20) Methylene Chloride	5.294	84	33434	6.099	ug/l	97
25) 2-Butanone	7.494	43	3603	1.384	ug/l	98
31) Cyclohexane	8.235	56	10908	1.335	ug/l	# 47
36) 1,1-Dichloropropene	8.229	75	37828	5.391	ug/l	# 50
37) Ethyl Acetate	7.571	43	41479	7.401	ug/l	99
38) Carbon Tetrachloride	8.229	117	50657	6.474	ug/l	# 18
42) 1,2-Dichloroethane	8.688	62	1850	0.258	ug/l	# 73
43) Isopropyl Acetate	8.694	43	353381	38.597	ug/l	# 74
45) 1,2-Dichloropropane	9.741	63	2664	0.530	ug/l	# 42
48) Methyl methacrylate	9.747	41	177073	40.853	ug/l	# 34
49) 1,4-Dioxane	9.741	88	121	1.323	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	15355	2.857	ug/l	# 72
53) t-1,3-Dichloropropene	10.729	75	1669	0.238	ug/l	# 52
54) cis-1,3-Dichloropropene	10.359	75	77459	9.602	ug/l	# 63
56) Ethyl methacrylate	10.982	69	1944	0.281	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	10316	1.184	ug/l	# 42
59) 2-Hexanone	11.176	43	157593	40.462	ug/l	# 21
71) Bromoform	12.853	173	1608	0.425	ug/l	# 1
74) N-amyl acetate	12.500	43	2708	0.467	ug/l	# 43
76) 1,2,3-Trichloropropane	12.847	75	150497	31.355	ug/l	# 1
77) Bromobenzene	12.988	156	317	Below Cal		91
81) trans-1,4-Dichloro-2-b...	12.847	75	150497	96.111	ug/l	# 11
93) 1,2,4-Trichlorobenzene	15.400	180	1341	1.591	ug/l	# 79
95) Naphthalene	15.647	128	5121	2.203	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.835	180	1148	1.411	ug/l	83

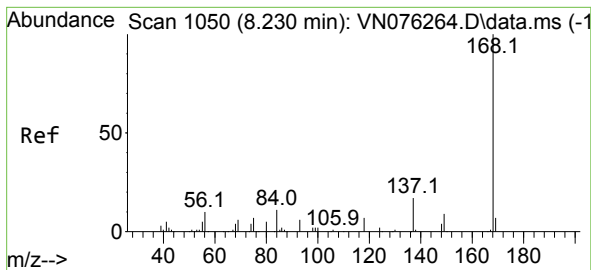
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.001 min

Lab File: VN076416.D

Acq: 26 Jan 2023 13:37

Instrument :

MSVOA_N

ClientSampleId :

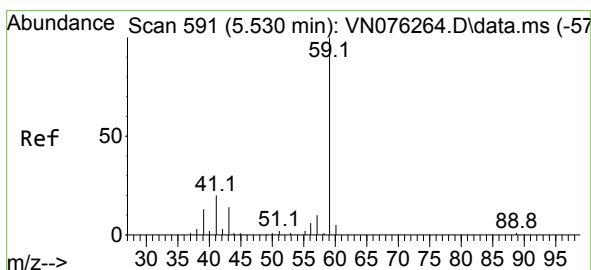
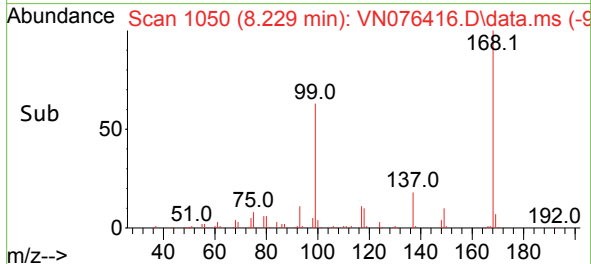
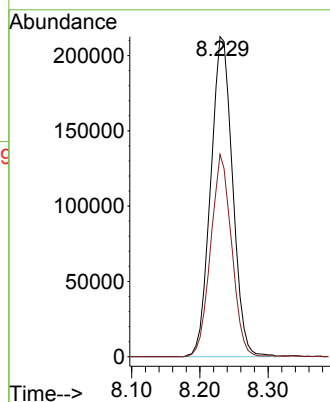
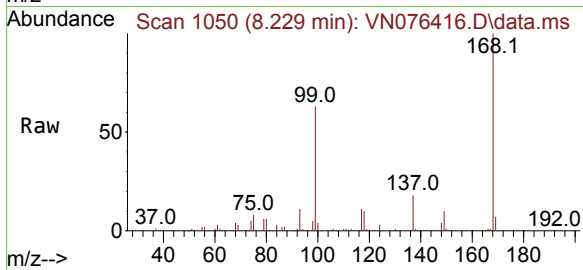
PB150465ZHE#01

Tgt Ion:168 Resp: 474973

Ion Ratio Lower Upper

168 100

99 63.2 41.6 62.4#



#11

Tert butyl alcohol

Concen: 0.749 ug/l

RT: 5.541 min Scan# 593

Delta R.T. 0.011 min

Lab File: VN076416.D

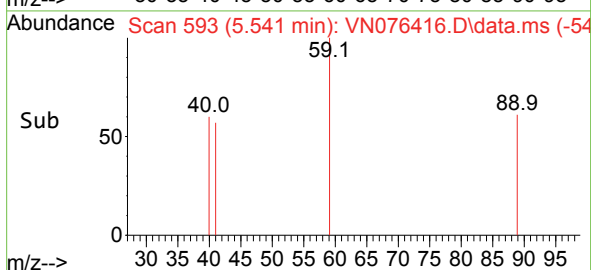
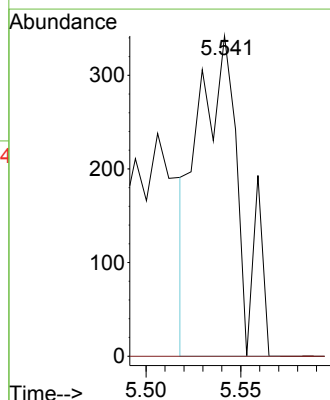
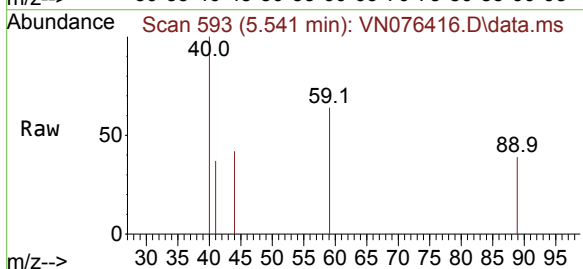
Acq: 26 Jan 2023 13:37

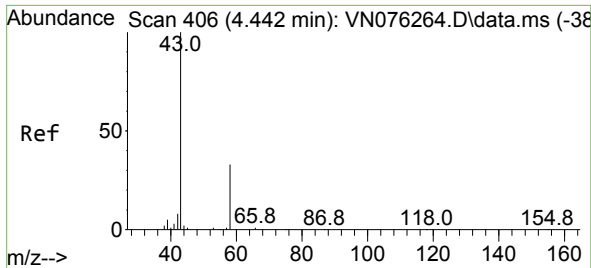
Tgt Ion: 59 Resp: 533

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

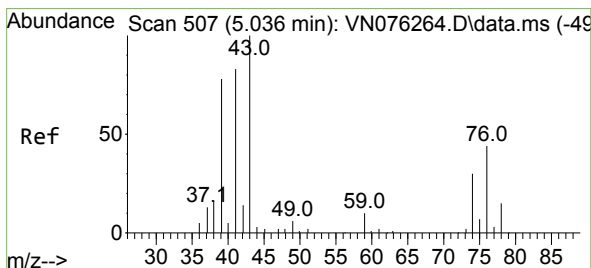
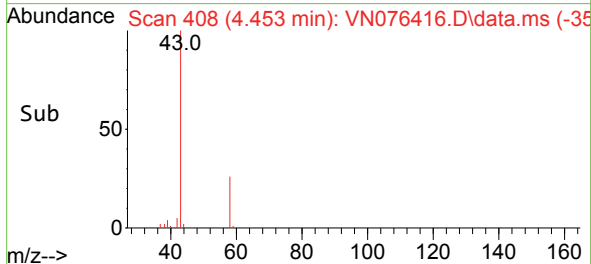
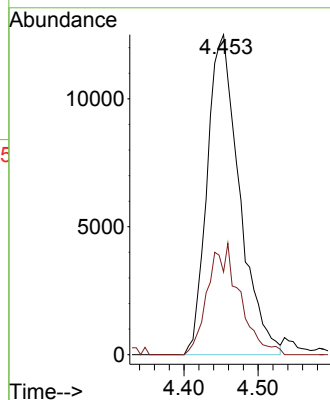
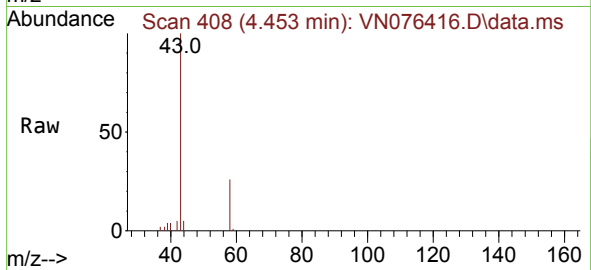




#16
Acetone
Concen: 22.101 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

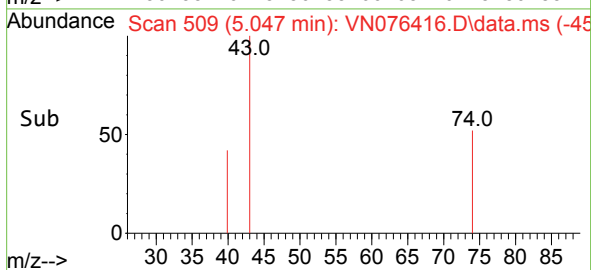
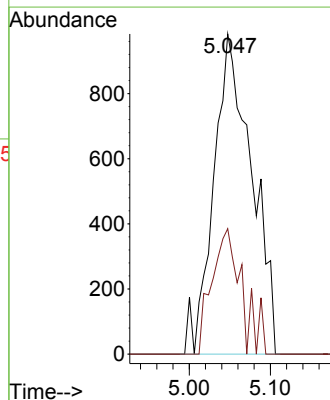
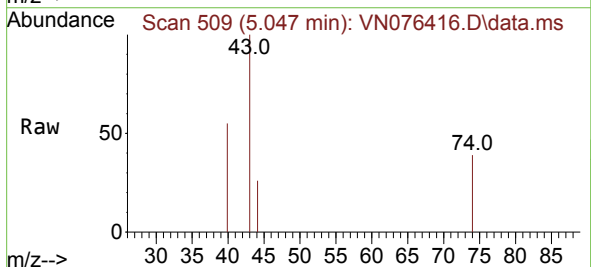
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

Tgt Ion: 43 Resp: 37793
Ion Ratio Lower Upper
43 100
58 25.8 26.7 40.1#



#18
Methyl Acetate
Concen: 0.553 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion: 43 Resp: 3194
Ion Ratio Lower Upper
43 100
74 26.9 23.3 34.9

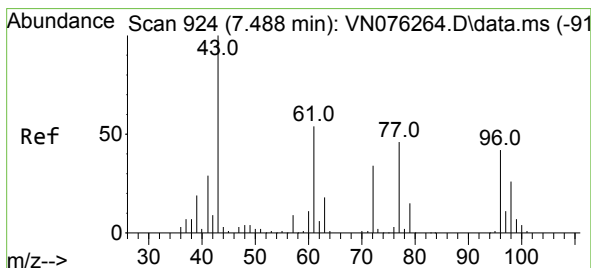
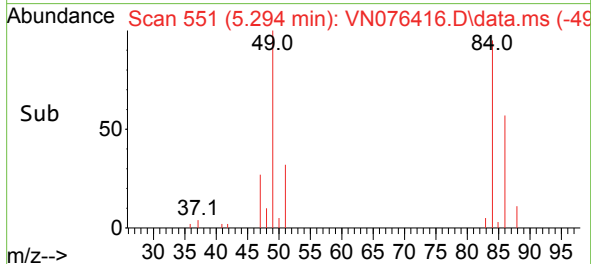
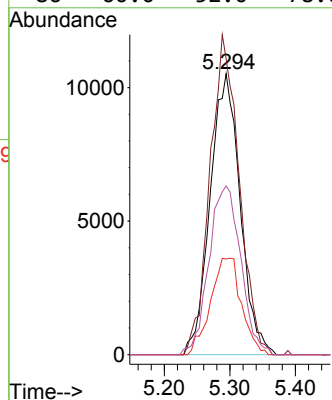
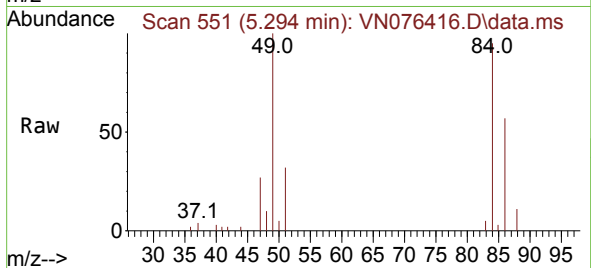




#20
Methylene Chloride
Concen: 6.099 ug/l
RT: 5.294 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

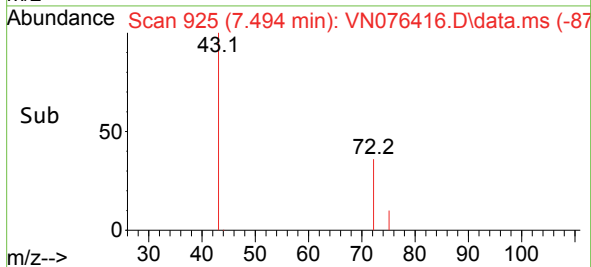
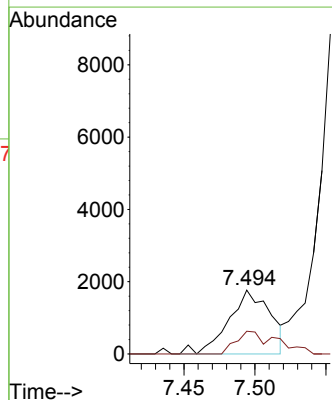
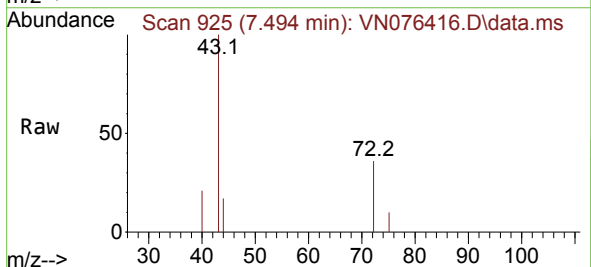
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

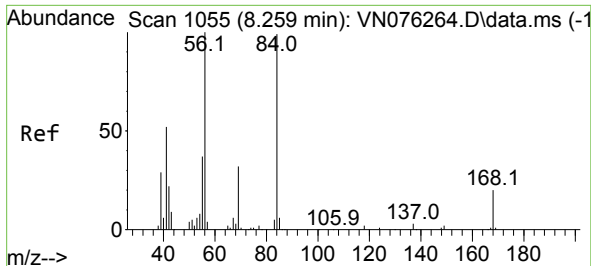
Tgt Ion: 84	Resp: 33434
Ion Ratio	Lower Upper
84 100	
49 105.3	84.5 126.7
51 34.1	26.0 39.0
86 60.0	52.0 78.0



#25
2-Butanone
Concen: 1.384 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

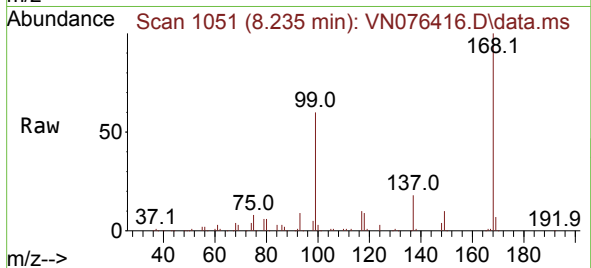
Tgt Ion: 43	Resp:	3603	
Ion	Ratio	Lower	Upper
43	100		
72	35.6	27.4	41.2



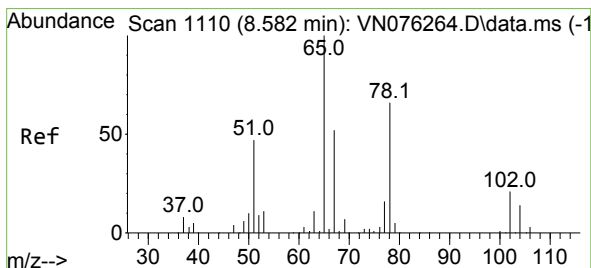
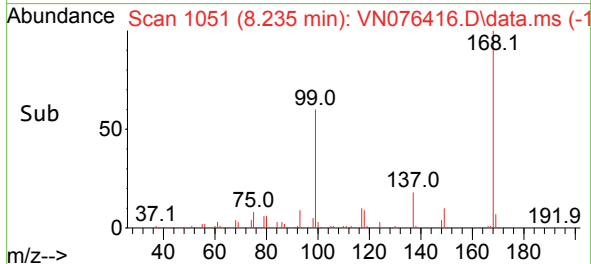
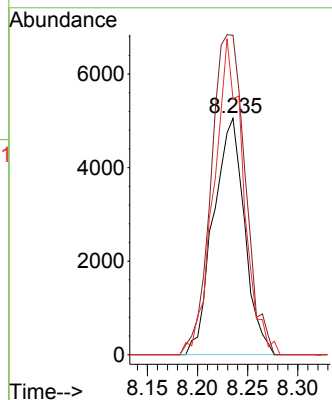


#31
Cyclohexane
Concen: 1.335 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

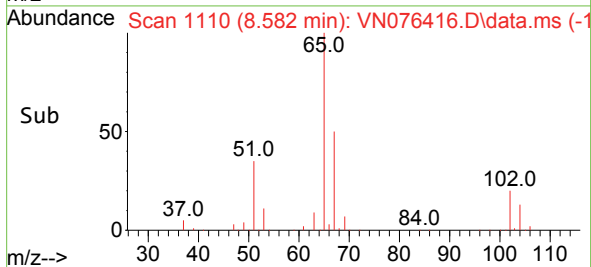
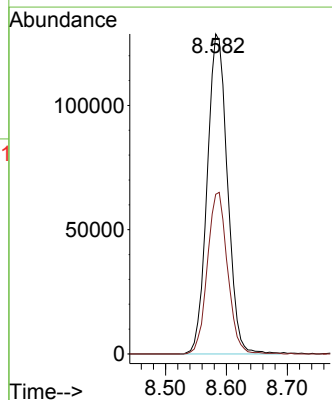
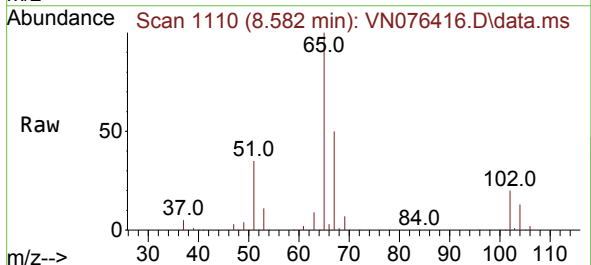


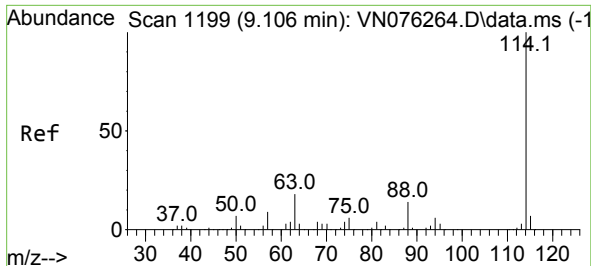
Tgt Ion: 56 Resp: 10908
Ion Ratio Lower Upper
56 100
69 135.1 25.8 38.8#
84 108.2 79.0 118.4



#33
1,2-Dichloroethane-d4
Concen: 55.922 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion: 65 Resp: 297407
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.6

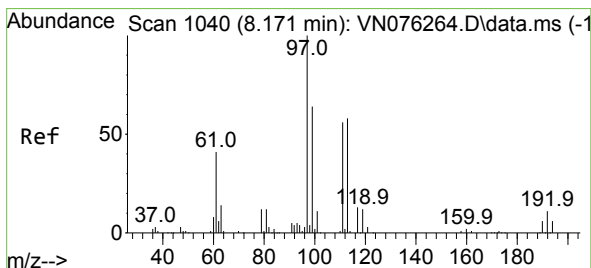
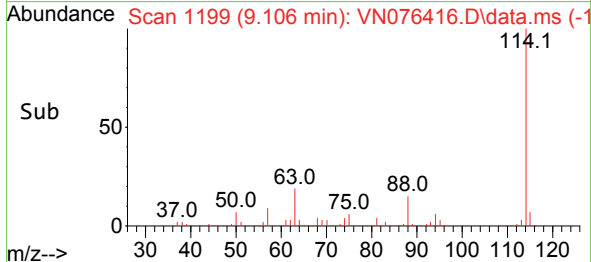
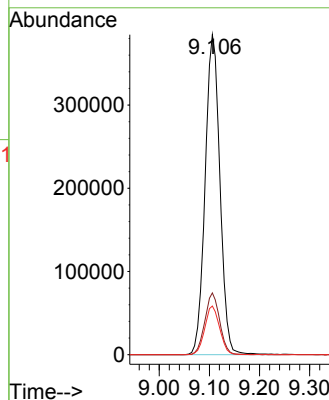
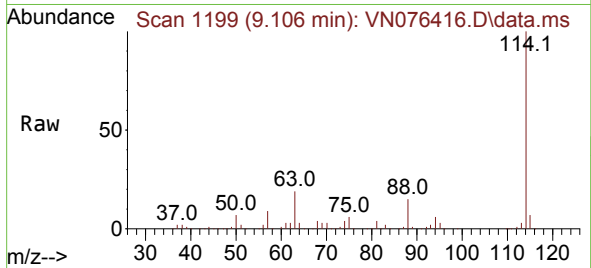




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

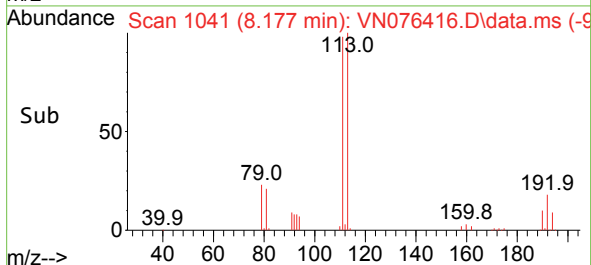
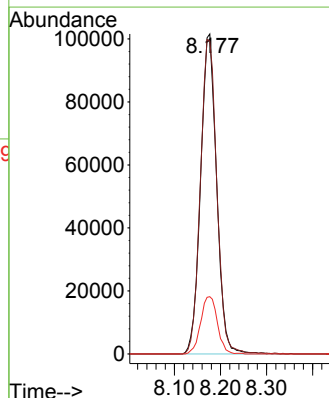
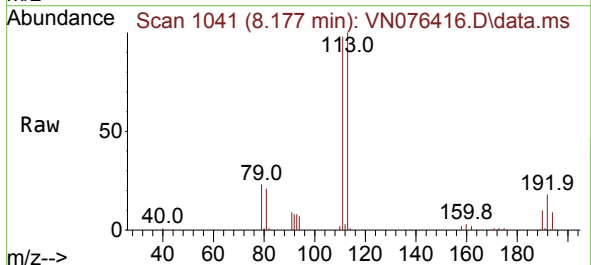
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

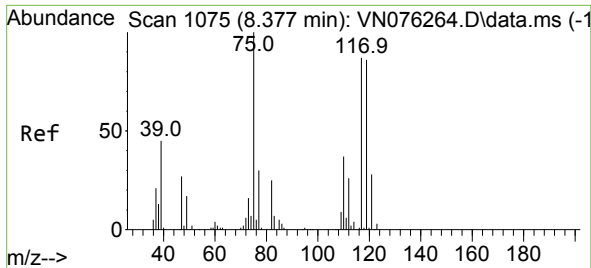
Tgt Ion:114 Resp: 789383
Ion Ratio Lower Upper
114 100
63 19.3 0.0 35.8
88 15.2 0.0 28.0



#35
Dibromofluoromethane
Concen: 49.785 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

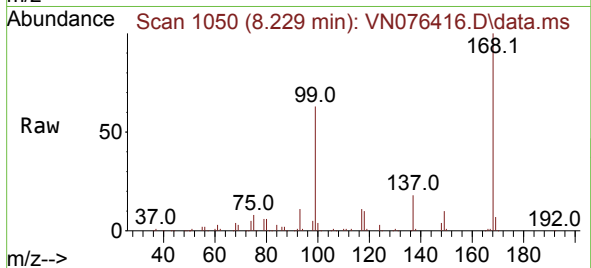
Tgt Ion:113 Resp: 245832
Ion Ratio Lower Upper
113 100
111 100.7 82.7 124.1
192 18.7 15.6 23.4



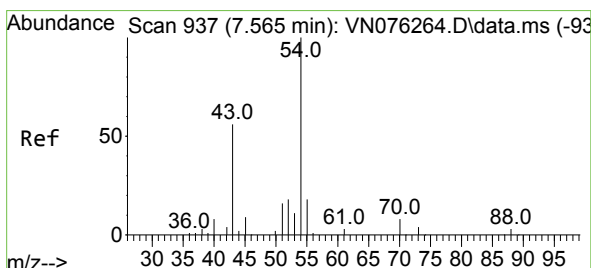
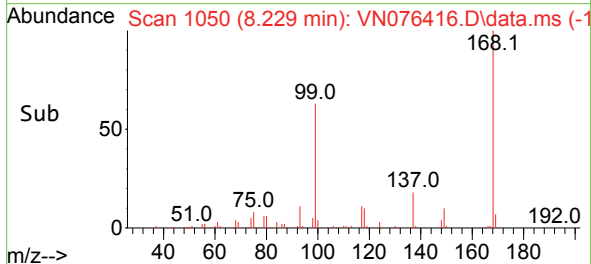
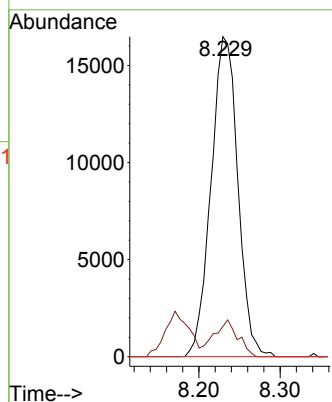


#36
1,1-Dichloropropene
Concen: 5.391 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.148 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

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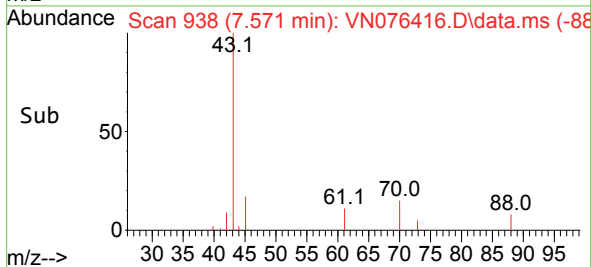
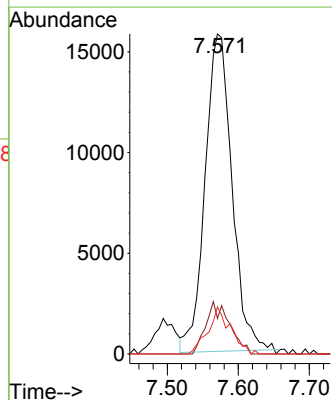
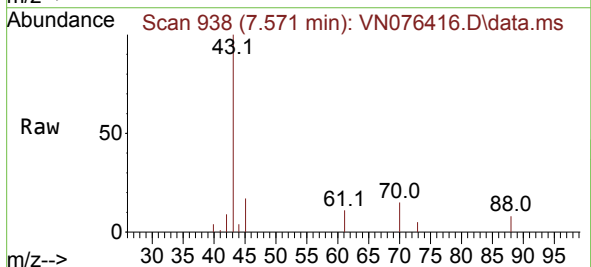


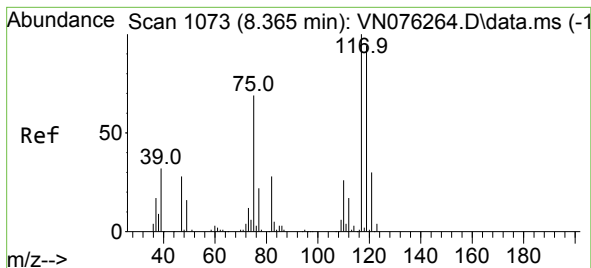
Tgt Ion: 75 Resp: 37828
Ion Ratio Lower Upper
75 100
110 10.4 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 7.401 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion: 43 Resp: 41479
Ion Ratio Lower Upper
43 100
61 14.5 11.1 16.7
70 12.5 10.0 15.0





#38

Carbon Tetrachloride

Concen: 6.474 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.136 min

Lab File: VN076416.D

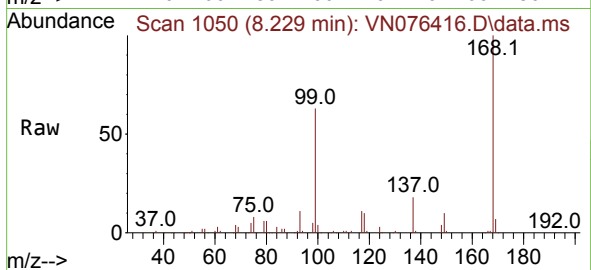
Acq: 26 Jan 2023 13:37

Instrument :

MSVOA_N

ClientSampleId :

PB150465ZHE#01



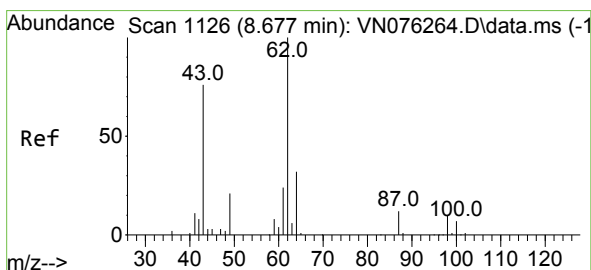
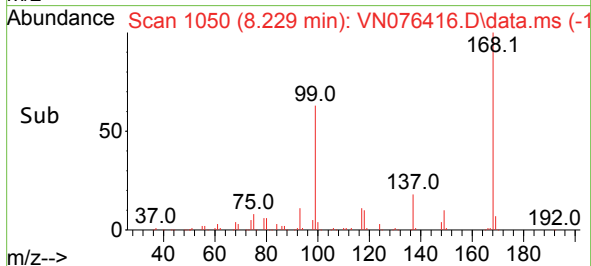
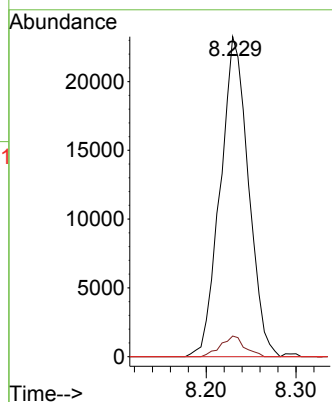
Tgt Ion:117 Resp: 50657

Ion Ratio Lower Upper

117 100

119 6.4 75.4 113.0#

121 0.0 24.2 36.2#



#42

1,2-Dichloroethane

Concen: 0.258 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.011 min

Lab File: VN076416.D

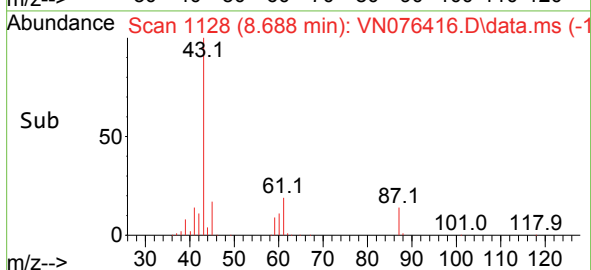
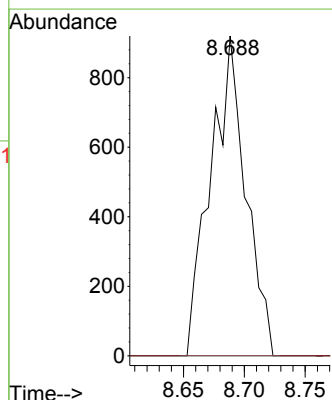
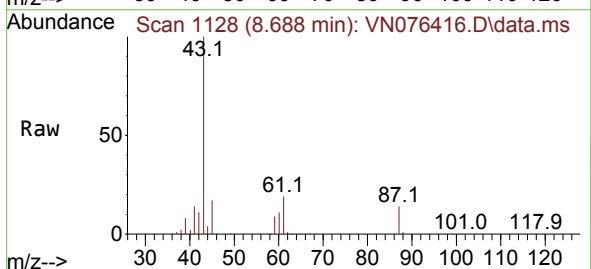
Acq: 26 Jan 2023 13:37

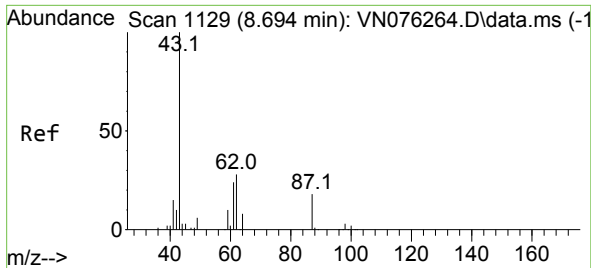
Tgt Ion: 62 Resp: 1850

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

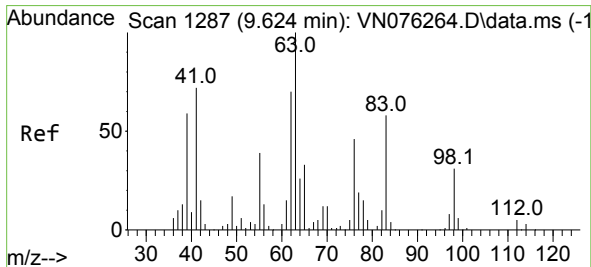
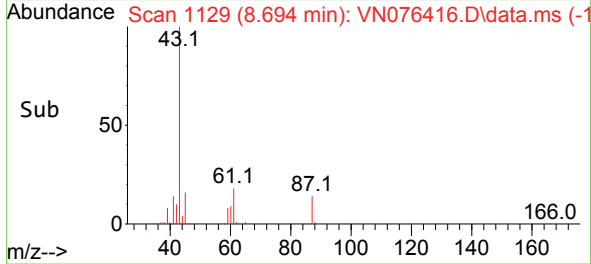
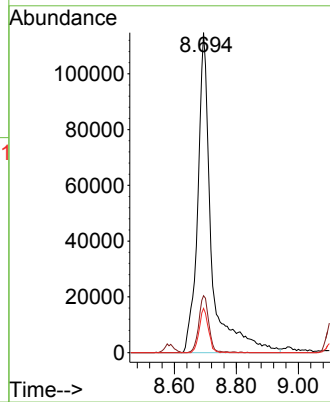
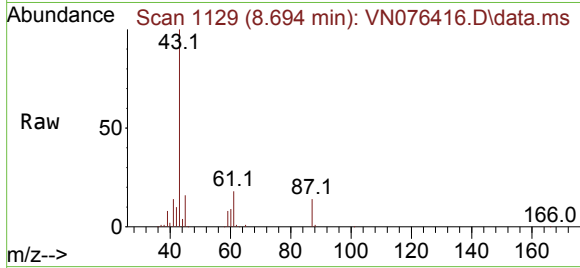




#43
Isopropyl Acetate
Concen: 38.597 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

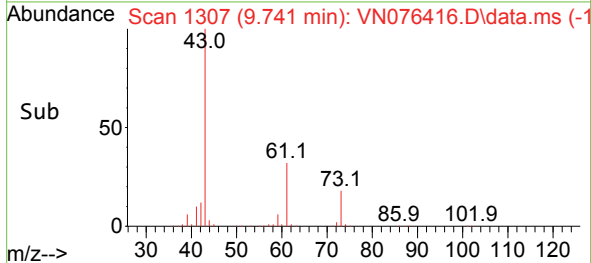
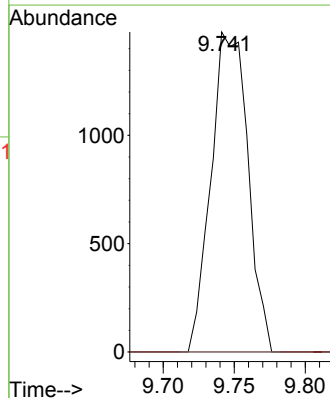
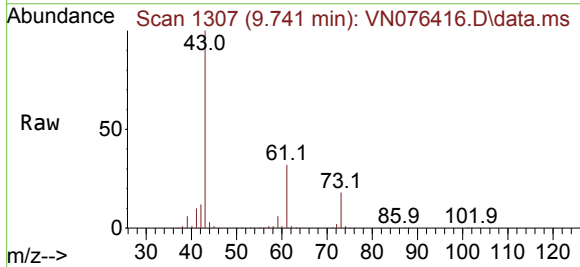
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

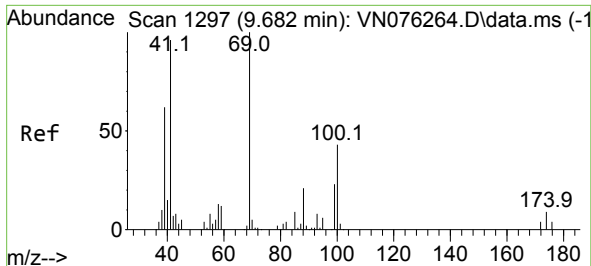
Tgt Ion: 43 Resp: 353381
Ion Ratio Lower Upper
43 100
61 12.8 23.5 35.3#
87 9.1 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.530 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion: 63 Resp: 2664
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

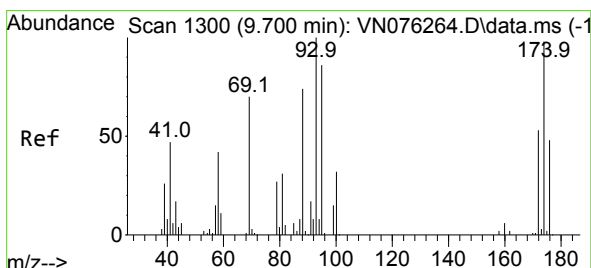
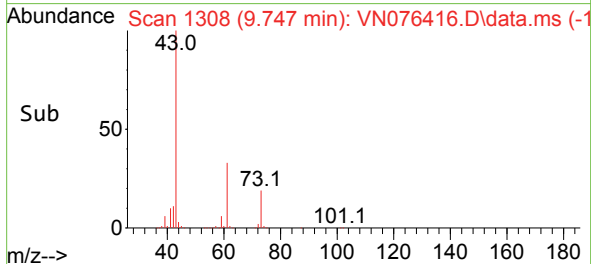
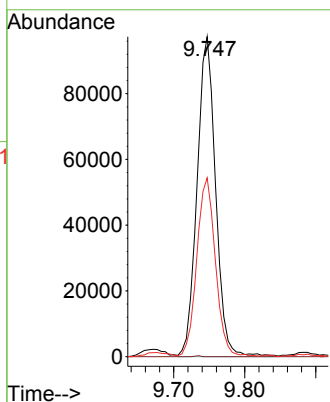
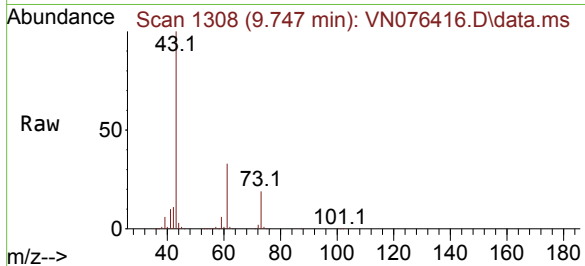




#48
Methyl methacrylate
Concen: 40.853 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

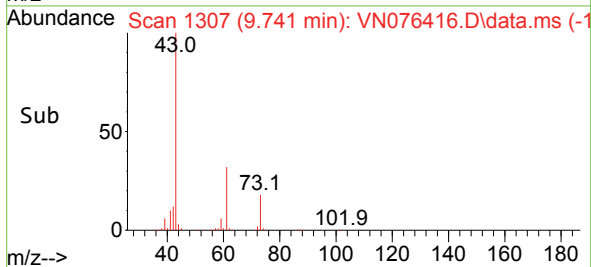
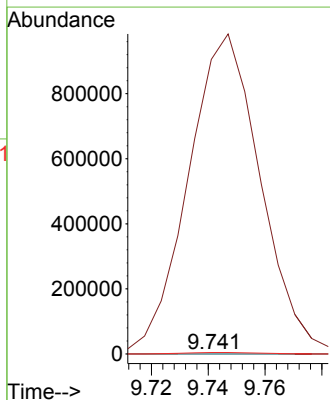
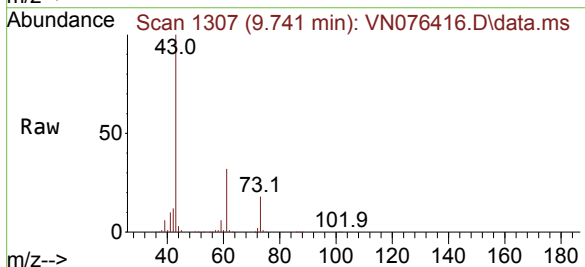
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

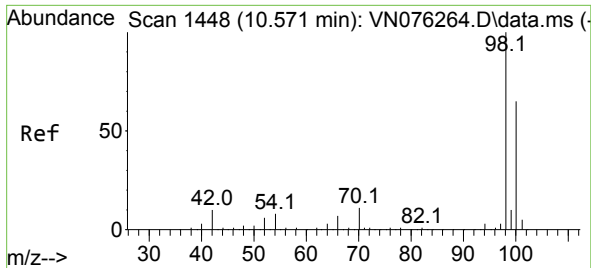
Tgt Ion: 41 Resp: 177073
Ion Ratio Lower Upper
41 100
69 0.1 80.8 121.2#
39 56.2 54.4 81.6



#49
1,4-Dioxane
Concen: 1.323 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 1454918.2 18.1 27.1#
58 7067.8 46.5 69.7#

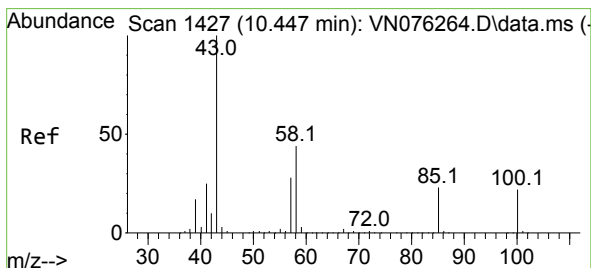
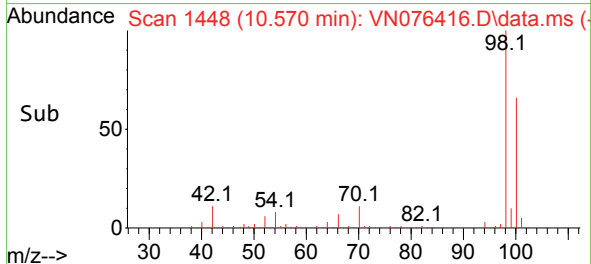
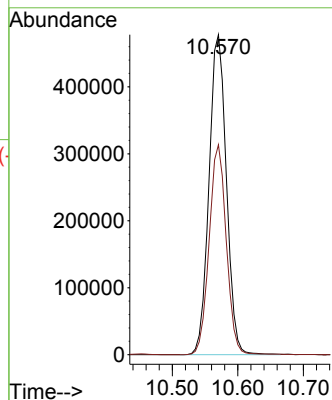
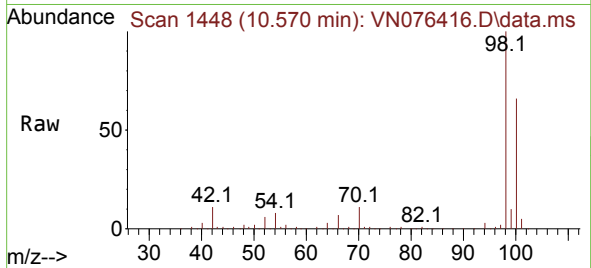




#50
Toluene-d8
Concen: 48.240 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

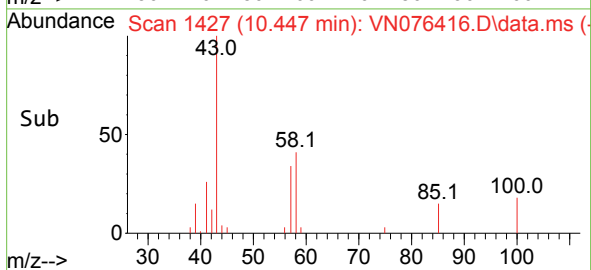
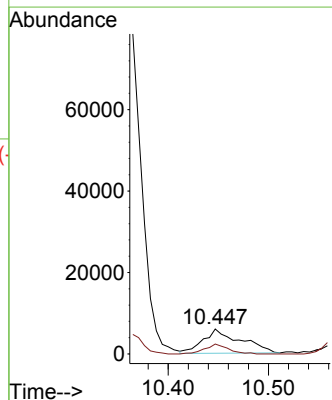
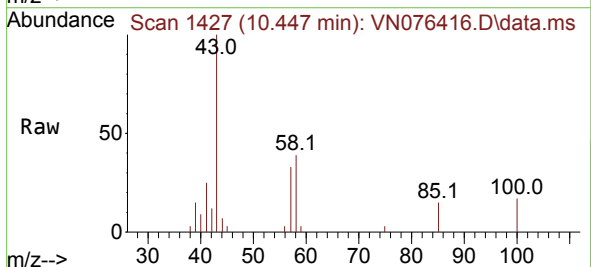
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

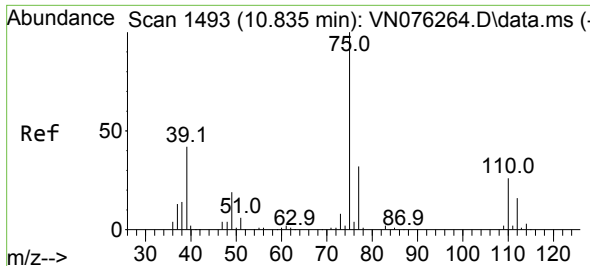
Tgt Ion: 98 Resp: 879718
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 2.857 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion: 43 Resp: 15355
Ion Ratio Lower Upper
43 100
58 25.8 35.1 52.7#

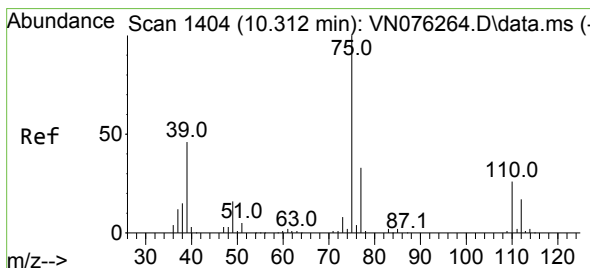
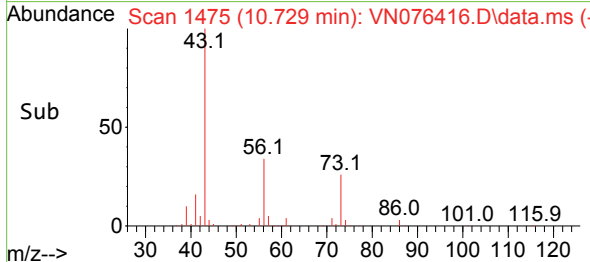
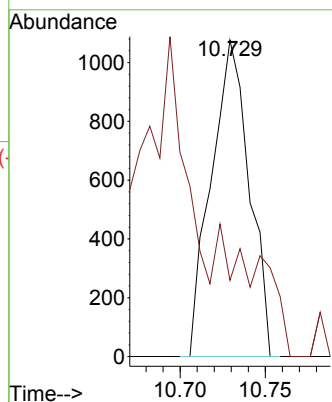
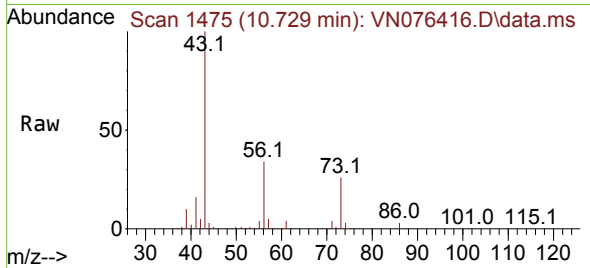




#53
 t-1,3-Dichloropropene
 Concen: 0.238 ug/l
 RT: 10.729 min Scan# 1411
 Delta R.T. -0.106 min
 Lab File: VN076416.D
 Acq: 26 Jan 2023 13:37

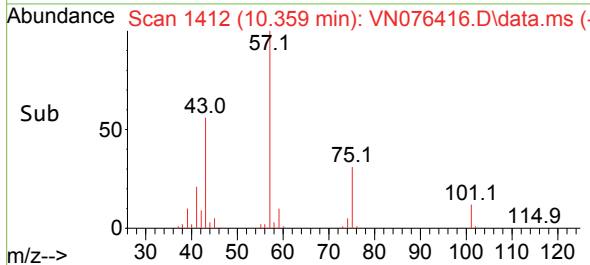
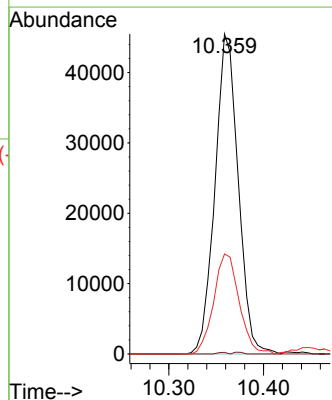
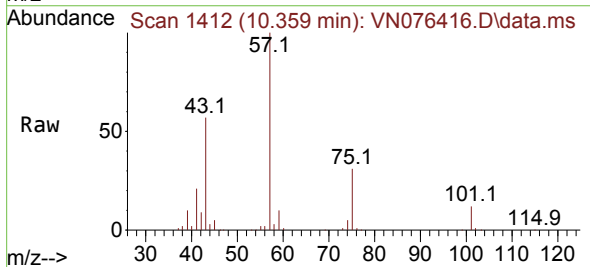
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150465ZHE#01

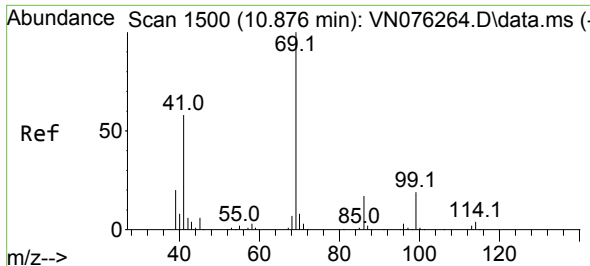
Tgt Ion: 75 Resp: 1669
 Ion Ratio Lower Upper
 75 100
 77 5.1 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 9.602 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076416.D
 Acq: 26 Jan 2023 13:37

Tgt Ion: 75 Resp: 77459
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.5 39.7#
 39 31.2 37.1 55.7#

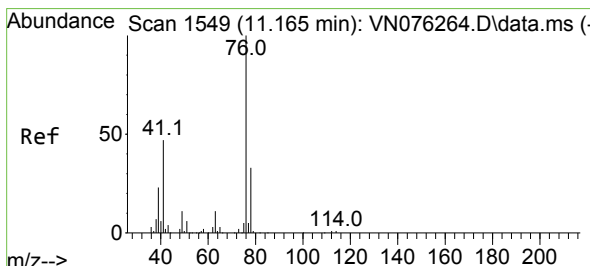
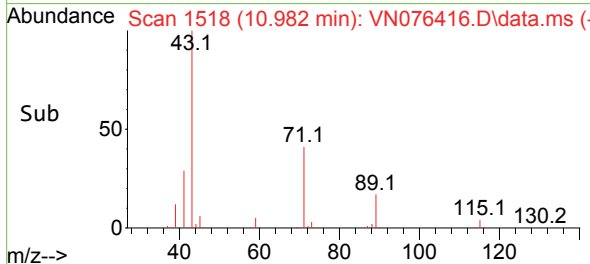
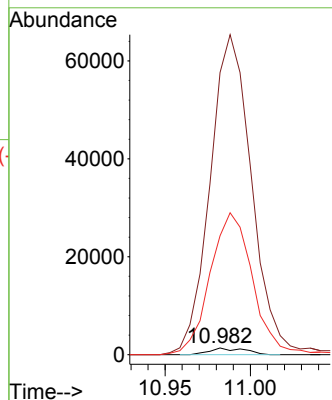
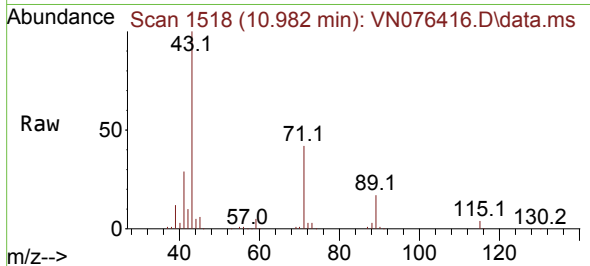




#56
Ethyl methacrylate
Concen: 0.281 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.106 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

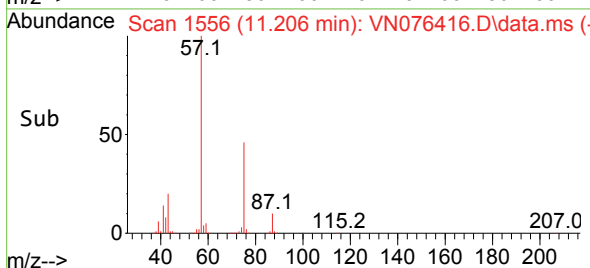
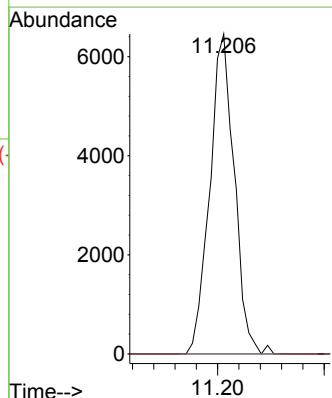
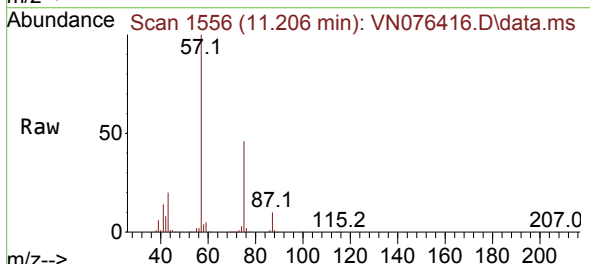
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

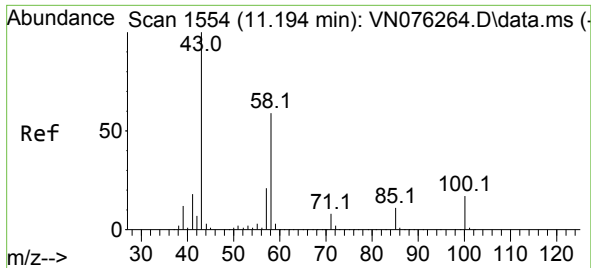
Tgt Ion: 69 Resp: 1944
Ion Ratio Lower Upper
69 100
41 5747.4 45.3 67.9#
39 2596.2 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.184 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion: 76 Resp: 10316
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

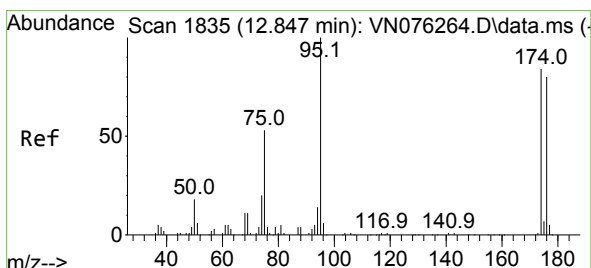
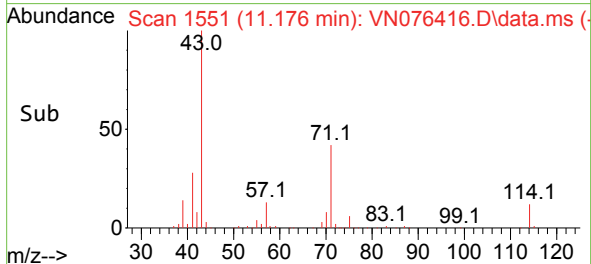
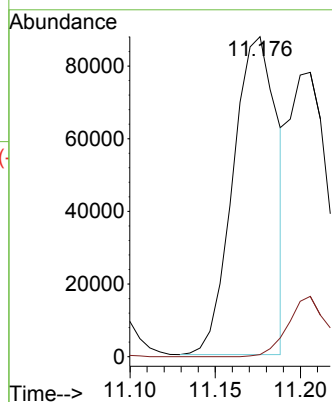
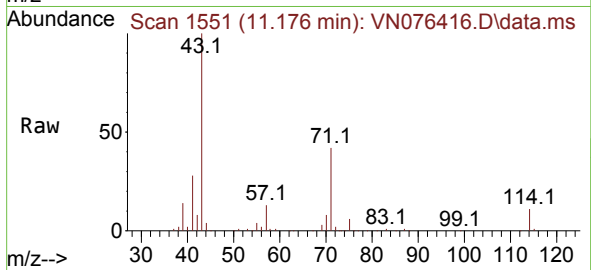




#59
2-Hexanone
Concen: 40.462 ug/l
RT: 11.176 min Scan# 11551
Delta R.T. -0.018 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

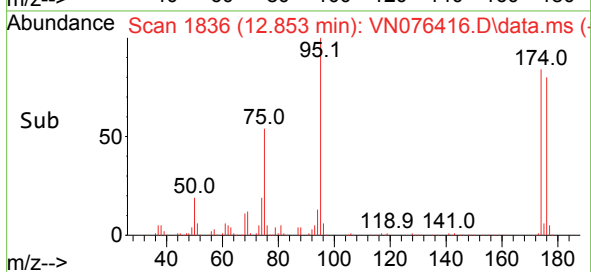
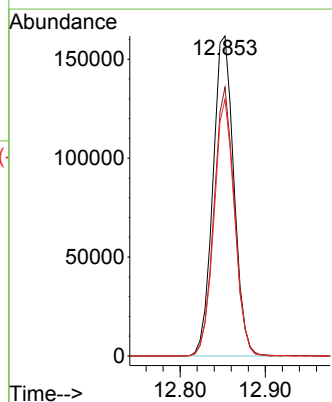
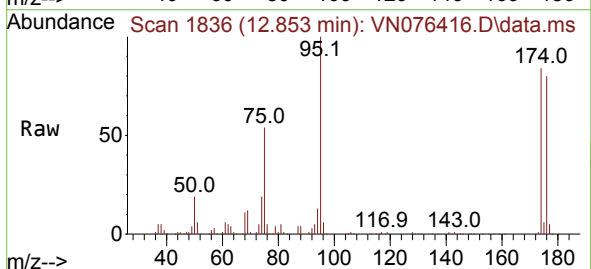
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

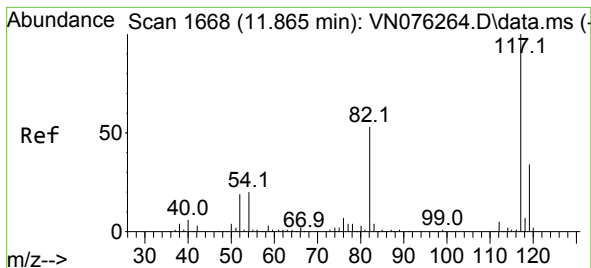
Tgt Ion: 43 Resp: 157593
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 46.377 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion: 95 Resp: 276095
Ion Ratio Lower Upper
95 100
174 82.1 0.0 174.6
176 78.7 0.0 167.8

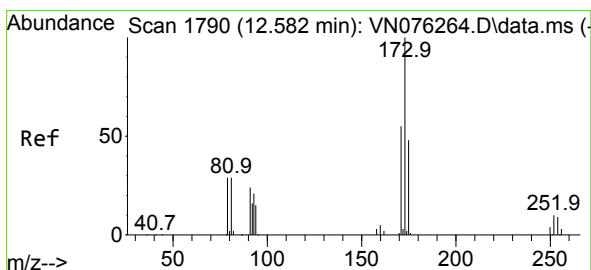
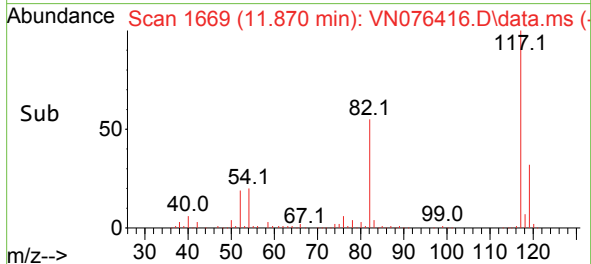
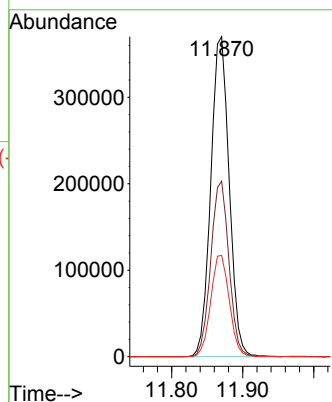
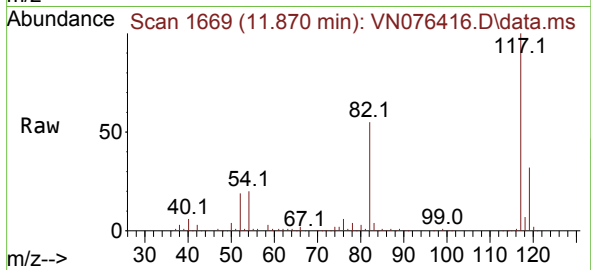




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

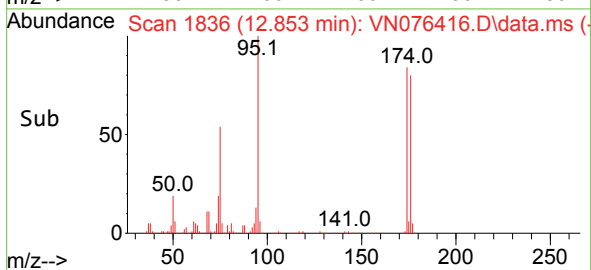
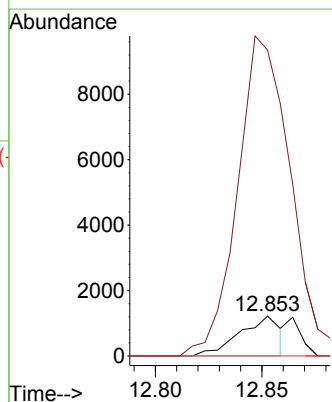
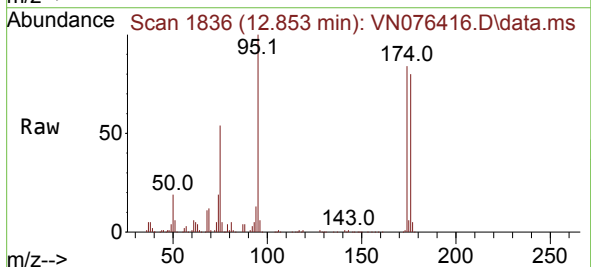
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

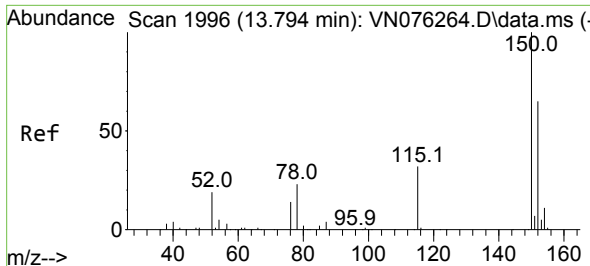
Tgt Ion:117 Resp: 666245
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.2
119 31.7 26.9 40.3



#71
Bromoform
Concen: 0.425 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion:173 Resp: 1608
Ion Ratio Lower Upper
173 100
175 845.7 24.1 72.4#
254 0.0 0.0 0.0

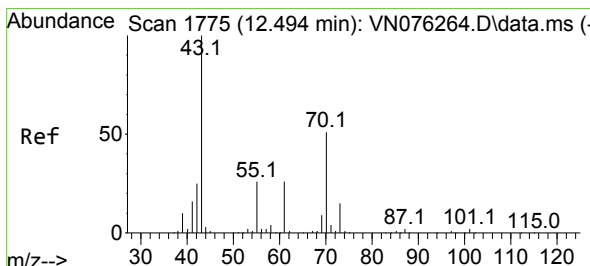
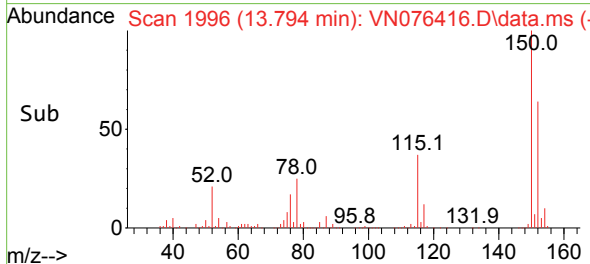
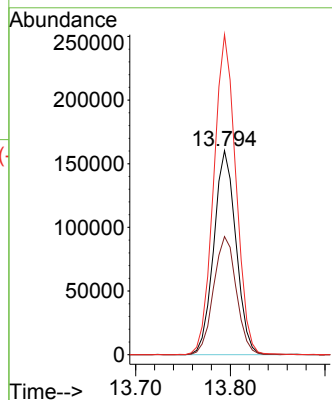
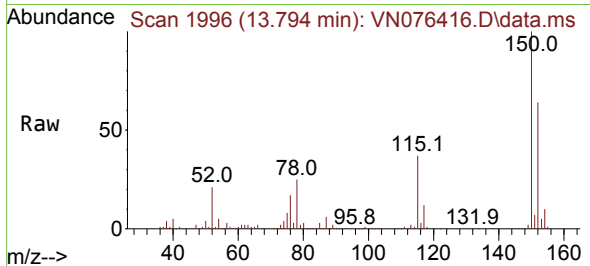




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

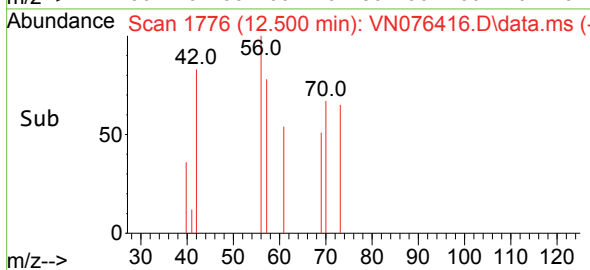
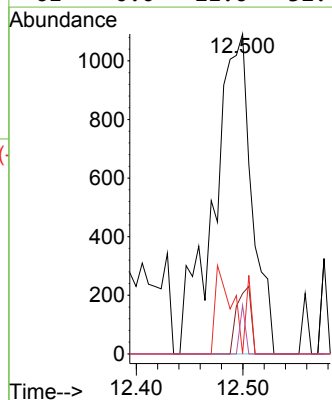
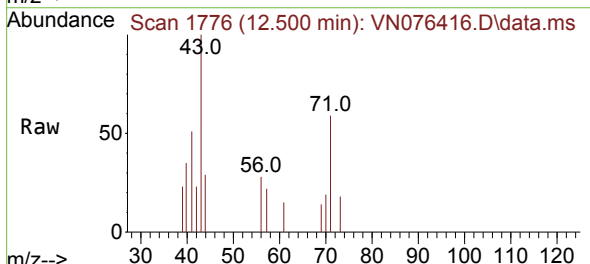
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

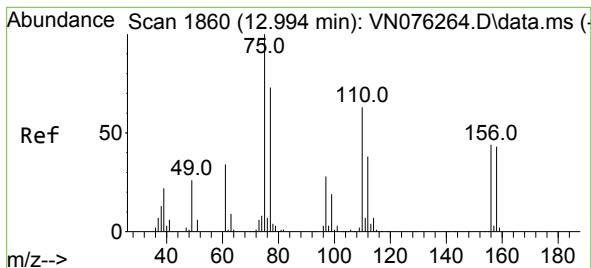
Tgt Ion:152 Resp: 260534
Ion Ratio Lower Upper
152 100
115 59.4 29.6 88.9
150 157.3 0.0 351.4



#74
N-ethyl acetate
Concen: 0.467 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion: 43 Resp: 2708
Ion Ratio Lower Upper
43 100
70 7.8 41.2 61.8#
55 0.0 21.0 31.6#
61 0.0 21.6 32.4#





#76

1,2,3-Trichloropropane

Concen: 31.355 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN076416.D

Acq: 26 Jan 2023 13:37

Instrument :

MSVOA_N

ClientSampleId :

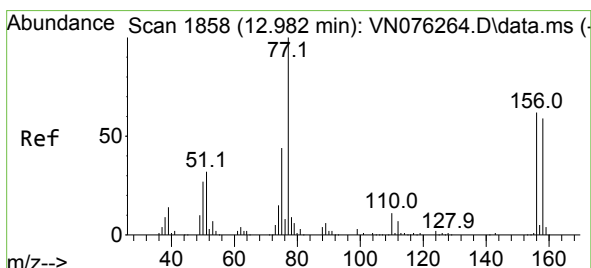
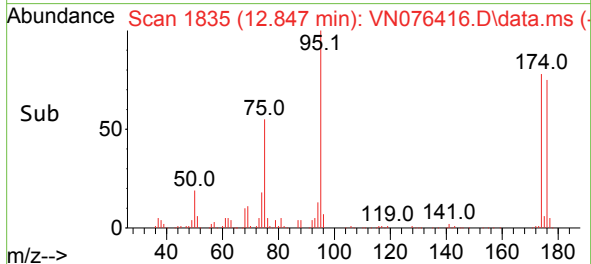
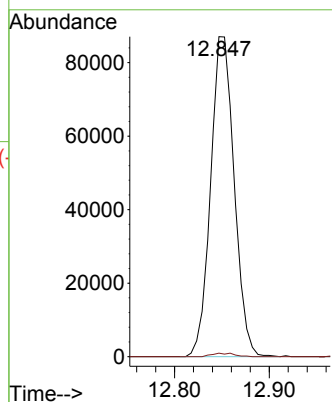
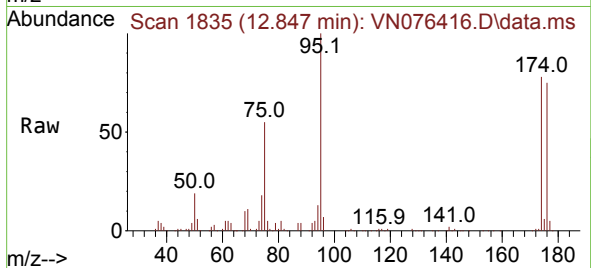
PB150465ZHE#01

Tgt Ion: 75 Resp: 150497

Ion Ratio Lower Upper

75 100

77 1.1 75.2 225.6#



#77

Bromobenzene

Concen: Below Cal

RT: 12.988 min Scan# 1859

Delta R.T. 0.006 min

Lab File: VN076416.D

Acq: 26 Jan 2023 13:37

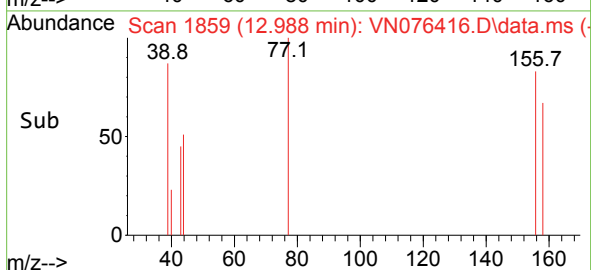
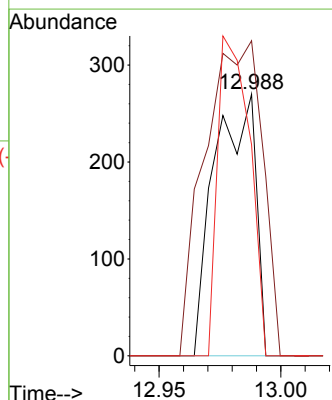
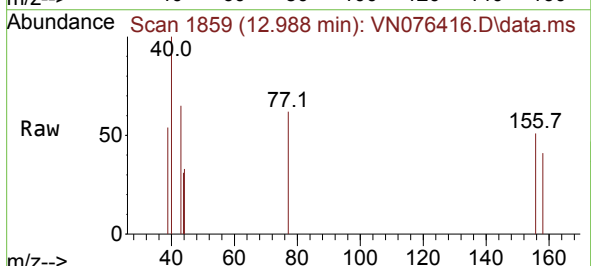
Tgt Ion:156 Resp: 317

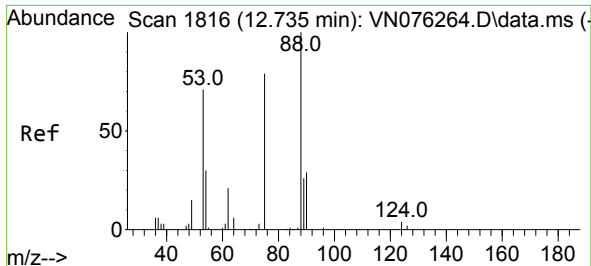
Ion Ratio Lower Upper

156 100

77 168.1 93.4 280.2

158 95.0 48.4 145.2

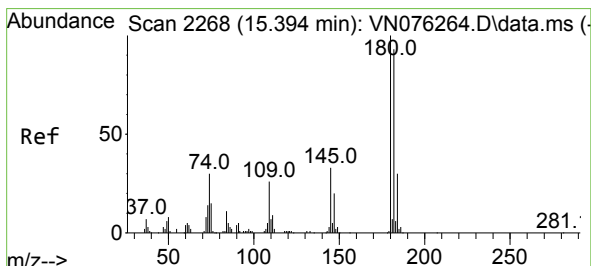
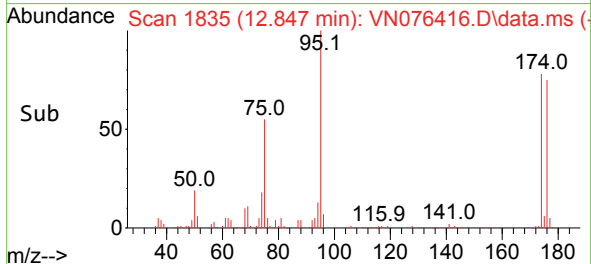
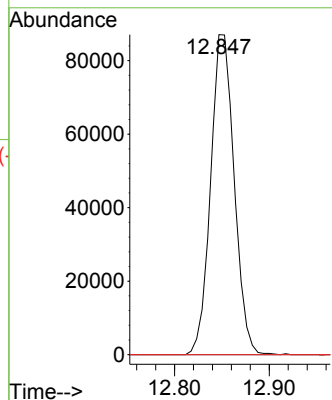
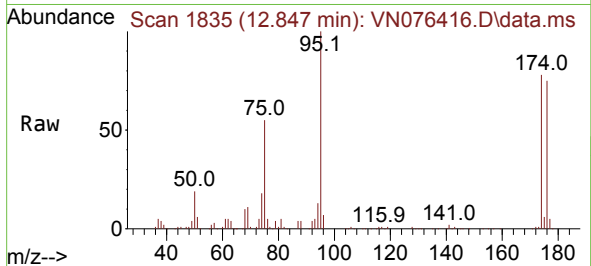




#81
trans-1,4-Dichloro-2-butene
Concen: 96.111 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

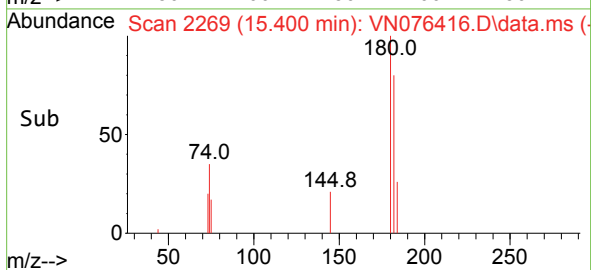
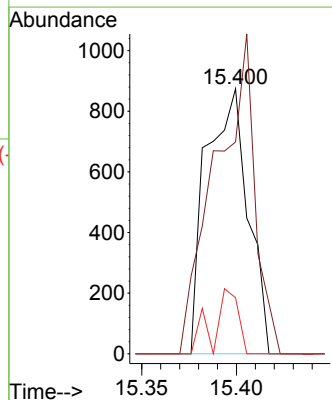
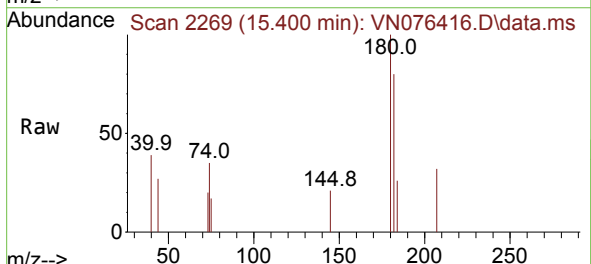
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#01

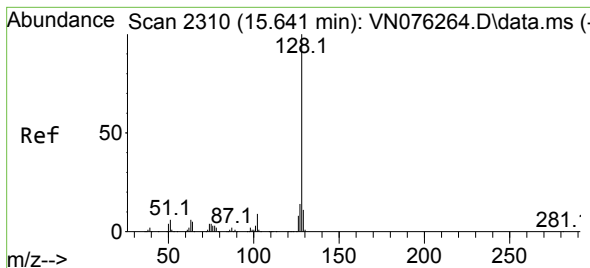
Tgt Ion: 75 Resp: 150497
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.591 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN076416.D
Acq: 26 Jan 2023 13:37

Tgt Ion: 180 Resp: 1341
Ion Ratio Lower Upper
180 100
182 112.3 47.0 141.2
145 14.5 15.2 45.5#





#95

Naphthalene

Concen: 2.203 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076416.D

Acq: 26 Jan 2023 13:37

Instrument :

MSVOA_N

ClientSampleId :

PB150465ZHE#01

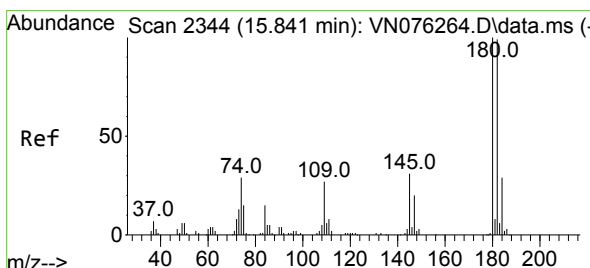
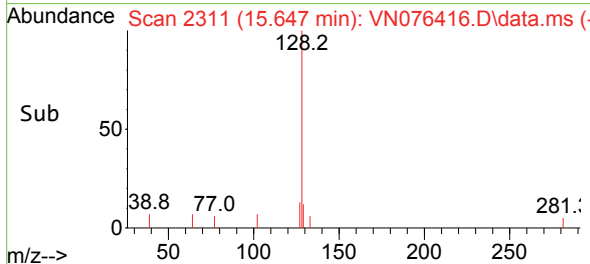
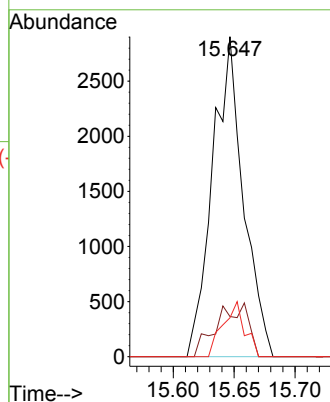
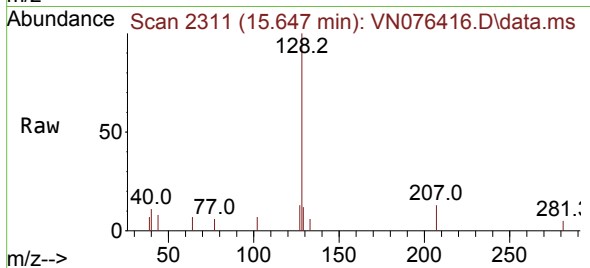
Tgt Ion:128 Resp: 5121

Ion Ratio Lower Upper

128 100

127 17.2 10.3 15.5#

129 12.2 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.411 ug/l

RT: 15.835 min Scan# 2343

Delta R.T. -0.006 min

Lab File: VN076416.D

Acq: 26 Jan 2023 13:37

Tgt Ion:180 Resp: 1148

Ion Ratio Lower Upper

180 100

182 108.3 47.5 142.5

145 16.5 15.9 47.6

