

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013123\
 Data File : VN076475.D
 Acq On : 31 Jan 2023 09:51
 Operator : JC\MD
 Sample : VN0131MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131MBL01

Quant Time: Feb 01 00:43:07 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)

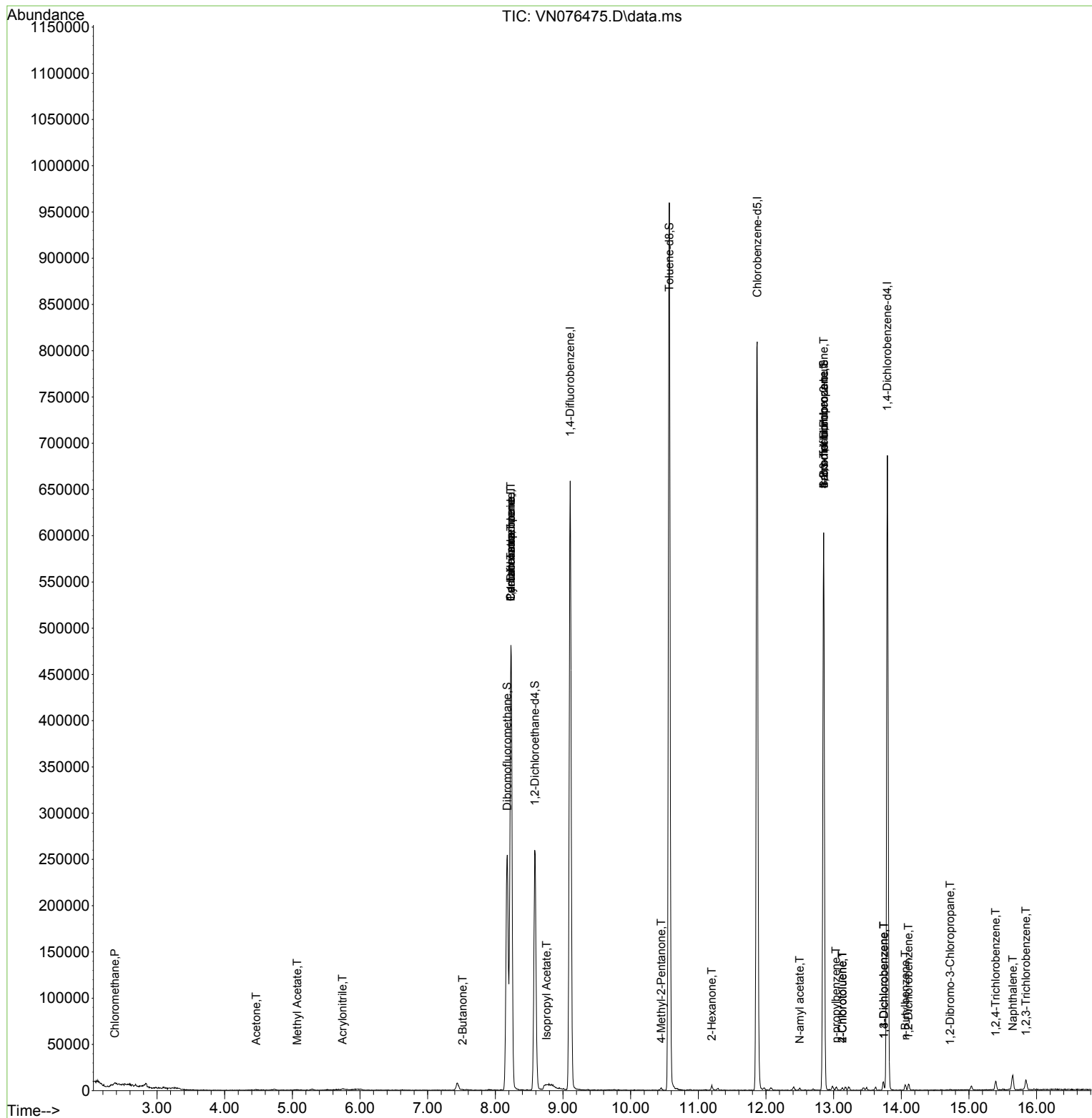
Internal Standards						
1) Pentafluorobenzene	8.229	168	358104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	584552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	498552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	219327	54.700	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 109.400%		
35) Dibromofluoromethane	8.177	113	185491	50.727	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 101.460%		
50) Toluene-d8	10.570	98	672592	49.806	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 99.620%		
62) 4-Bromofluorobenzene	12.853	95	200573	45.497	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 91.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	866	0.228	ug/l #	77
15) Acrylonitrile	5.741	53	1389	0.910	ug/l #	75
16) Acetone	4.465	43	1040	0.736	ug/l #	41
18) Methyl Acetate	5.071	43	1511	0.347	ug/l #	54
20) Methylene Chloride	5.294	84	561	Below Cal	#	77
25) 2-Butanone	7.518	43	863	0.440	ug/l #	40
31) Cyclohexane	8.229	56	7506	1.219	ug/l #	49
36) 1,1-Dichloropropene	8.229	75	27924	5.374	ug/l #	48
38) Carbon Tetrachloride	8.229	117	38028	6.563	ug/l #	16
43) Isopropyl Acetate	8.759	43	6980	1.030	ug/l #	51
51) 4-Methyl-2-Pentanone	10.453	43	1735	0.436	ug/l #	83
59) 2-Hexanone	11.200	43	3529	1.224	ug/l	83
71) Bromoform	12.853	173	1303	0.460	ug/l #	1
74) N-amyl acetate	12.500	43	1600	0.390	ug/l #	81
76) 1,2,3-Trichloropropane	12.853	75	107020	31.532	ug/l #	1
77) Bromobenzene	12.982	156	1026	Below Cal		72
78) n-propylbenzene	13.035	91	3786	0.235	ug/l	95
79) 2-Chlorotoluene	13.129	91	2121	0.215	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.853	75	107020	96.638	ug/l #	11
82) 4-Chlorotoluene	13.129	91	2121	0.215	ug/l	92
87) 1,3-Dichlorobenzene	13.741	146	3259	0.485	ug/l	100
88) 1,4-Dichlorobenzene	13.741	146	3259	0.610	ug/l	99
89) n-Butylbenzene	14.059	91	4021	0.418	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	3526	0.527	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.723	75	213	0.299	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	3984	2.505	ug/l	94
95) Naphthalene	15.647	128	16084	3.457	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	4501	2.581	ug/l	96

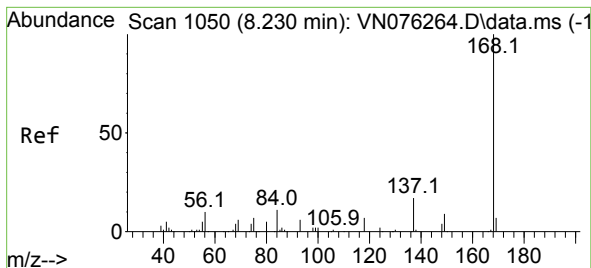
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN076475.D

Acq: 31 Jan 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

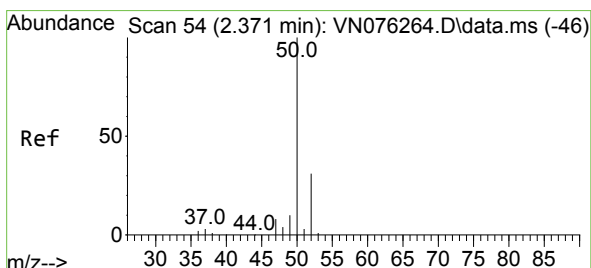
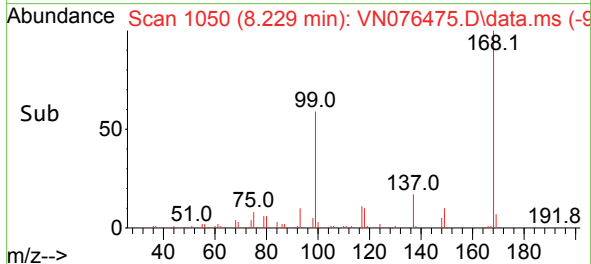
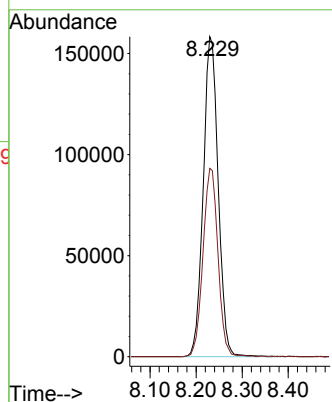
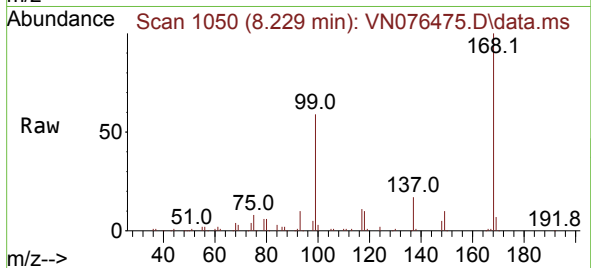
VN0131MBL01

Tgt Ion:168 Resp: 358104

Ion Ratio Lower Upper

168 100

99 58.9 41.6 62.4



#3

Chloromethane

Concen: 0.228 ug/l

RT: 2.377 min Scan# 55

Delta R.T. 0.006 min

Lab File: VN076475.D

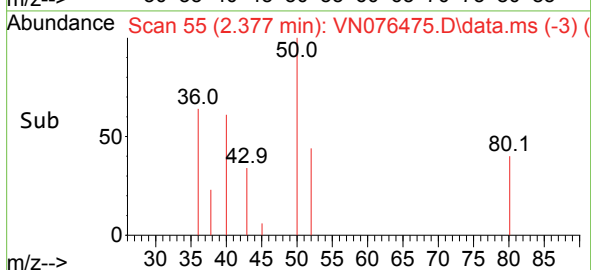
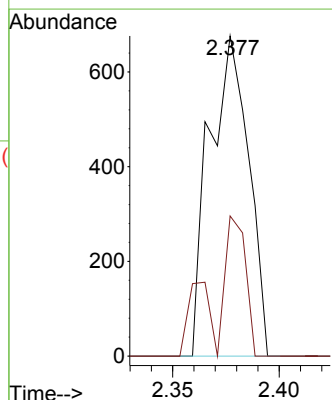
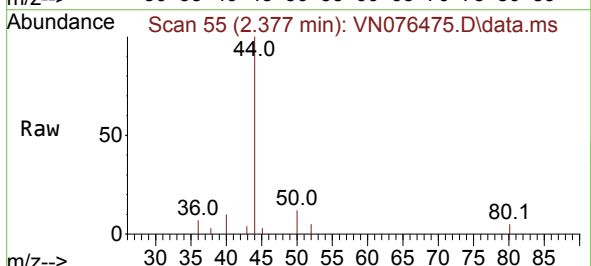
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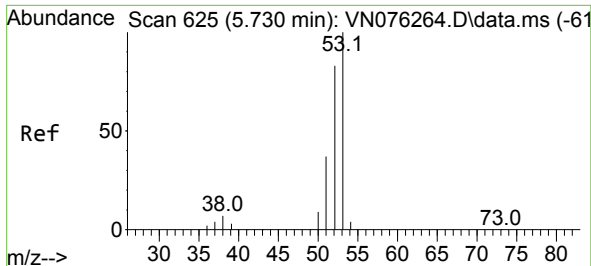
Tgt Ion: 50 Resp: 866

Ion Ratio Lower Upper

50 100

52 43.8 24.8 37.2#

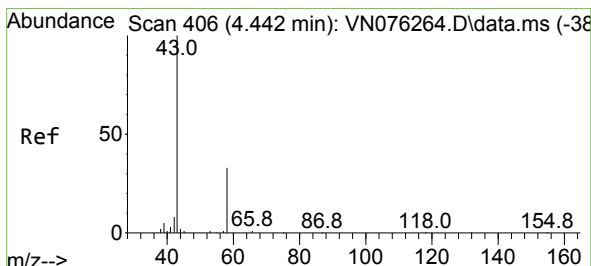
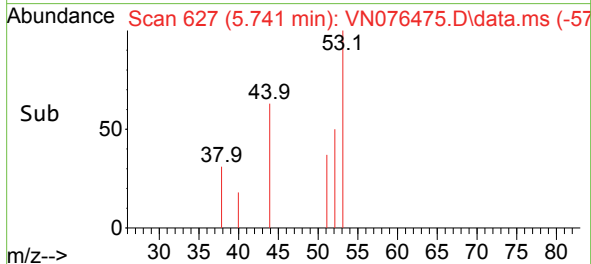
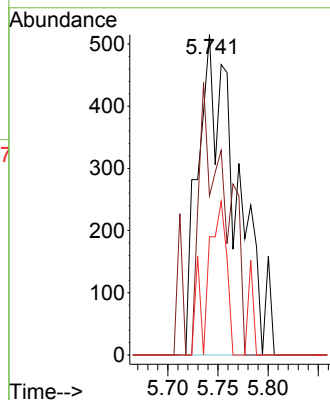
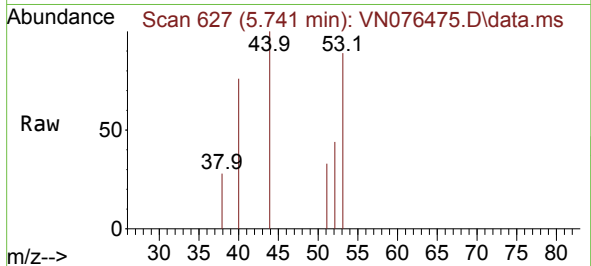




#15
 Acrylonitrile
 Concen: 0.910 ug/l
 RT: 5.741 min Scan# 61
 Delta R.T. 0.011 min
 Lab File: VN076475.D
 Acq: 31 Jan 2023 09:51

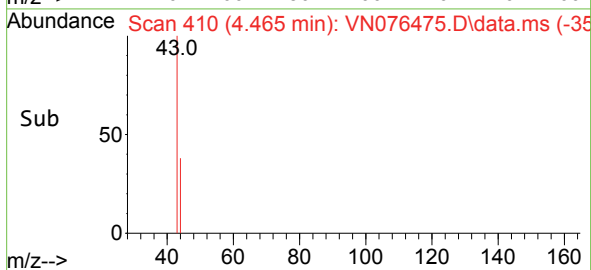
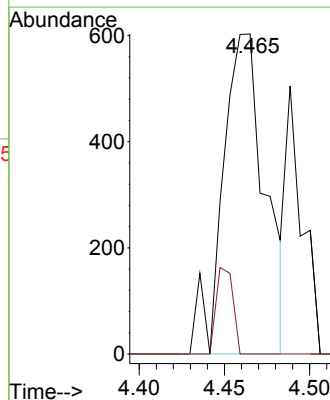
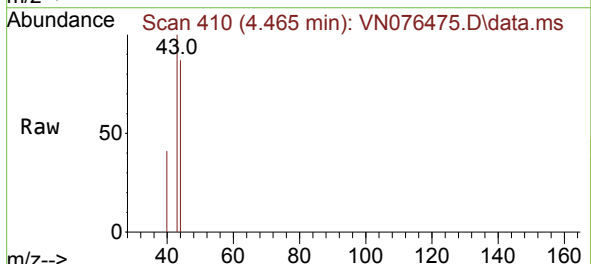
Instrument :
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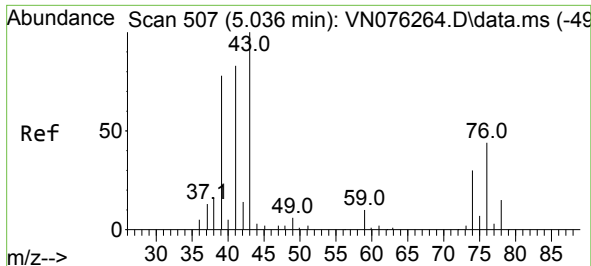
Tgt Ion: 53 Resp: 1389
 Ion Ratio Lower Upper
 53 100
 52 57.4 64.7 97.1#
 51 23.9 29.2 43.8#



#16
 Acetone
 Concen: 0.736 ug/l
 RT: 4.465 min Scan# 410
 Delta R.T. 0.023 min
 Lab File: VN076475.D
 Acq: 31 Jan 2023 09:51

Tgt Ion: 43 Resp: 1040
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.7 40.1#

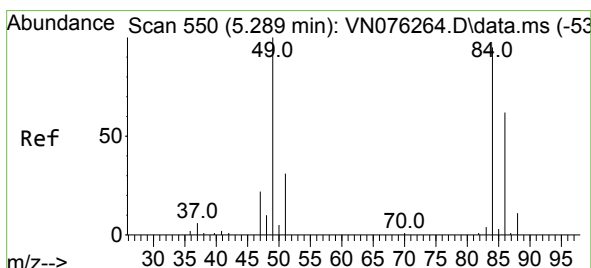
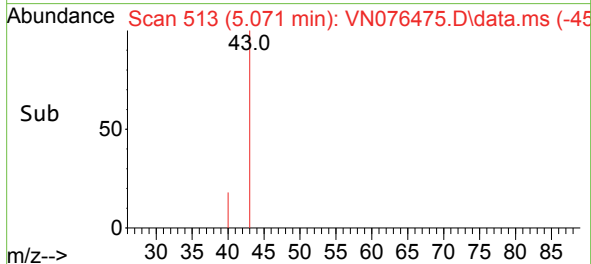
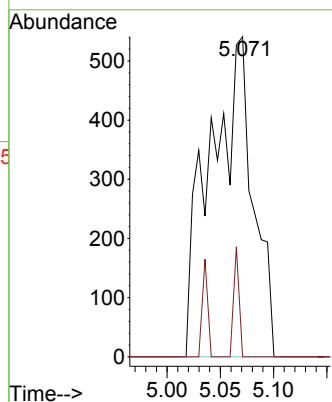
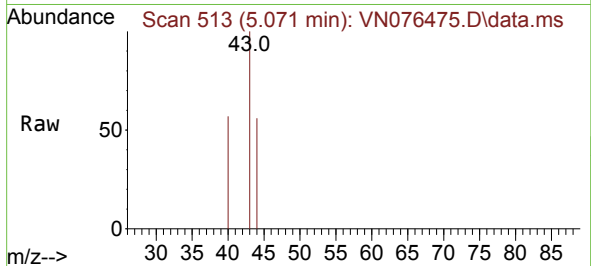




#18
Methyl Acetate
Concen: 0.347 ug/l
RT: 5.071 min Scan# 513
Delta R.T. 0.035 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

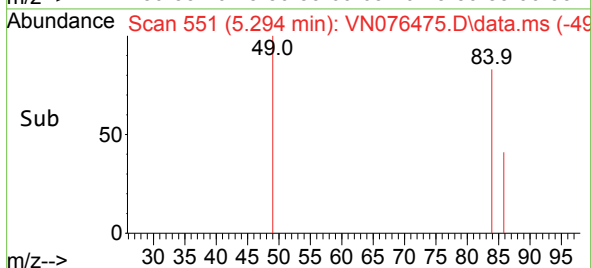
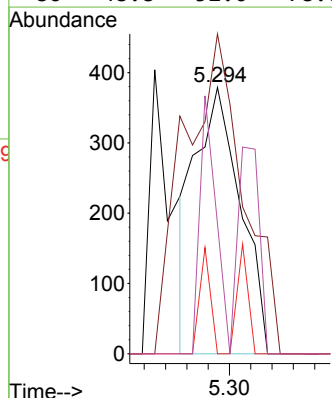
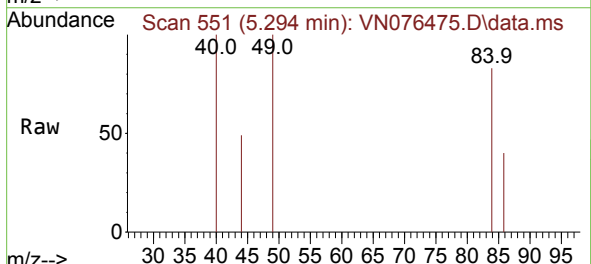
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

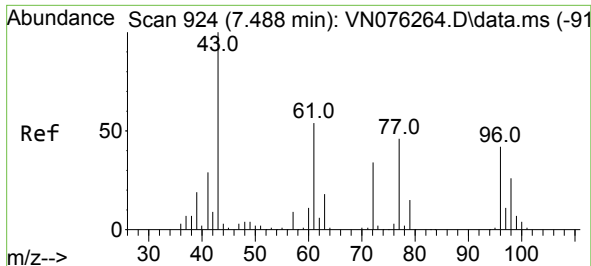
Tgt Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
74 4.4 23.3 34.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

Tgt Ion: 84 Resp: 561
Ion Ratio Lower Upper
84 100
49 120.1 84.5 126.7
51 0.0 26.0 39.0#
86 48.8 52.0 78.0#

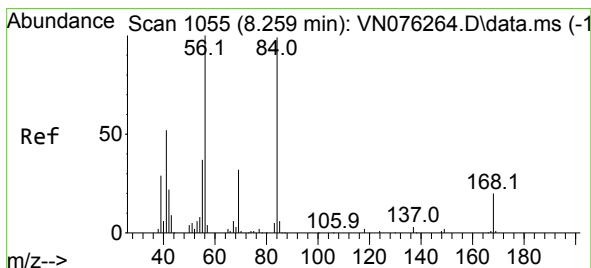
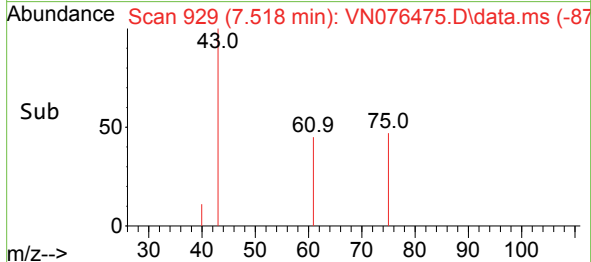
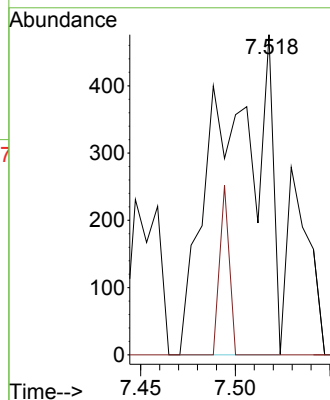
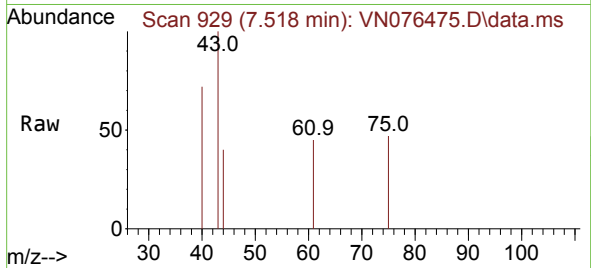




#25
2-Butanone
Concen: 0.440 ug/l
RT: 7.518 min Scan# 91
Delta R.T. 0.030 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

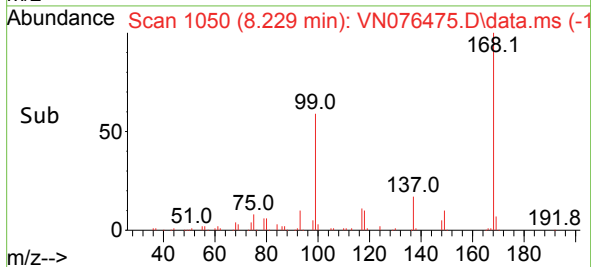
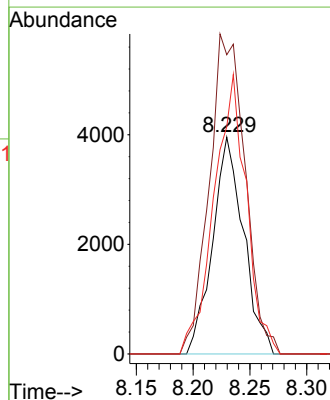
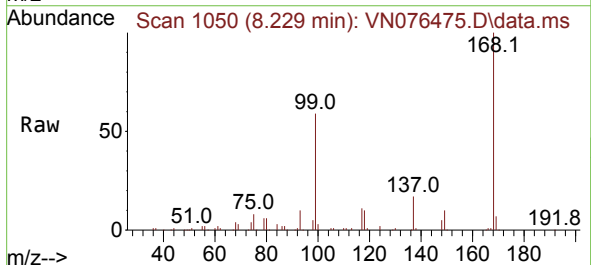
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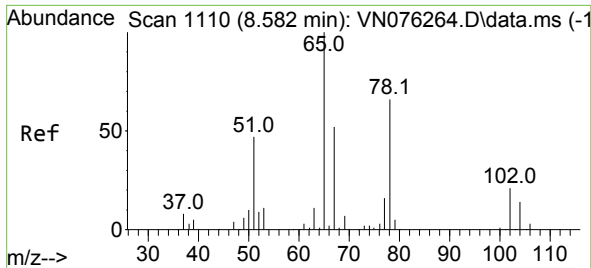
Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

Tgt Ion: 56 Resp: 7506
Ion Ratio Lower Upper
56 100
69 138.0 25.8 38.8#
84 104.8 79.0 118.4

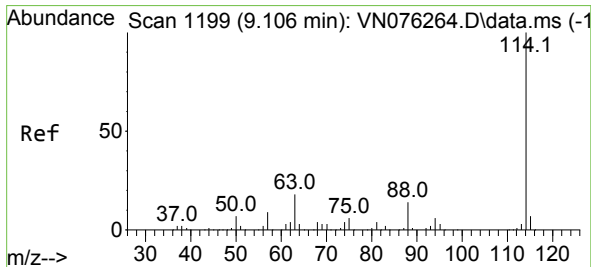
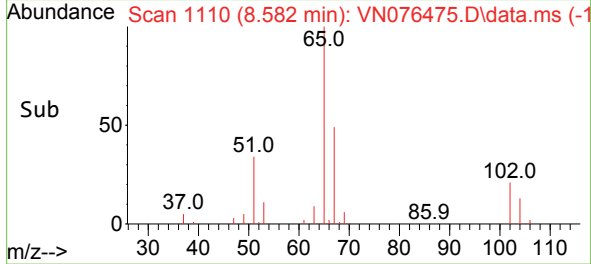
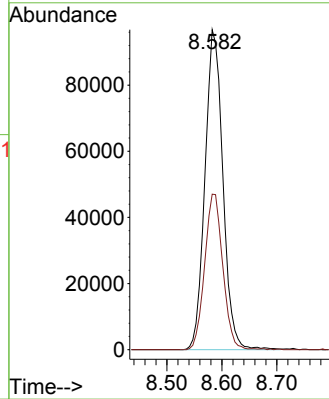
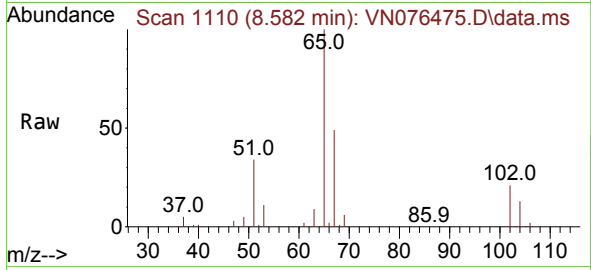




#33
 1,2-Dichloroethane-d4
 Concen: 54.700 ug/l
 RT: 8.582 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN076475.D
 Acq: 31 Jan 2023 09:51

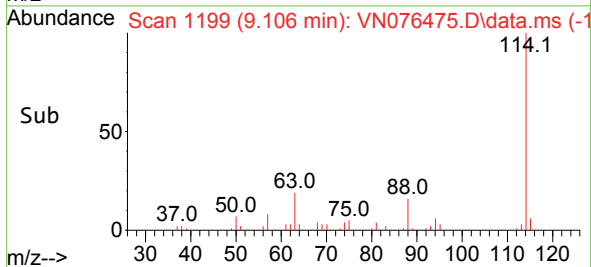
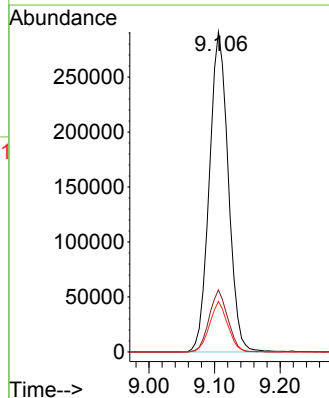
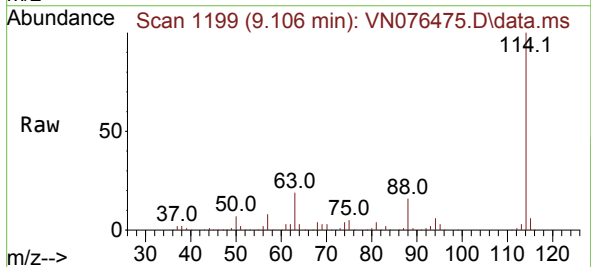
Instrument :
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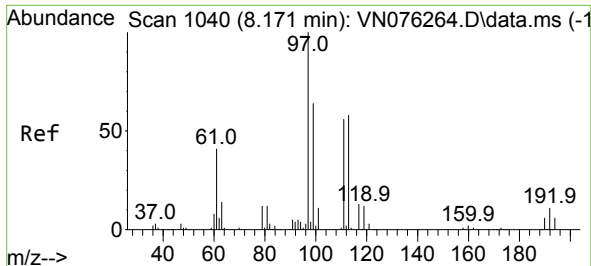
Tgt Ion: 65 Resp: 219327
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN076475.D
 Acq: 31 Jan 2023 09:51

Tgt Ion: 114 Resp: 584552
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 35.8
 88 15.8 0.0 28.0





#35

Dibromofluoromethane

Concen: 50.727 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076475.D

Acq: 31 Jan 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VN0131MBL01

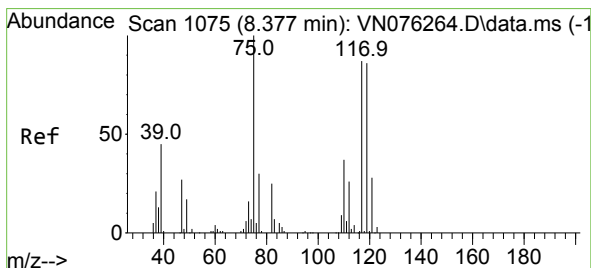
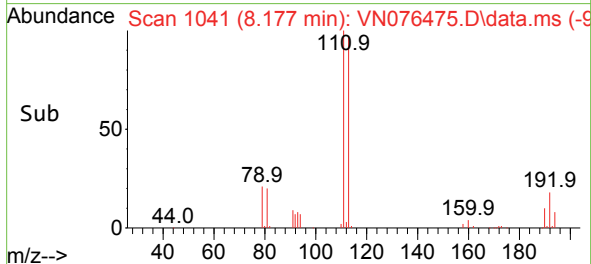
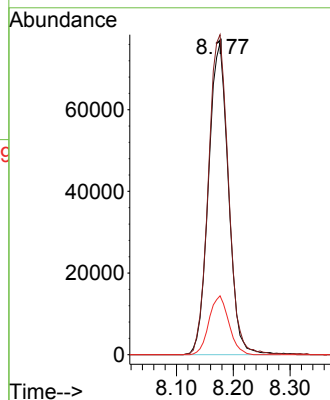
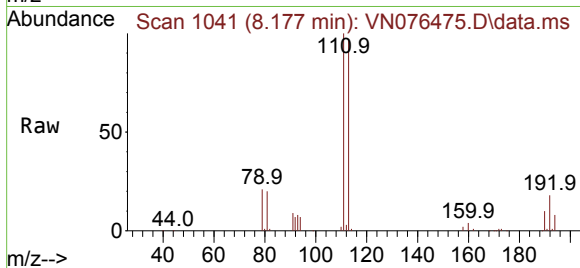
Tgt Ion:113 Resp: 185491

Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

192 18.8 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.374 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN076475.D

Acq: 31 Jan 2023 09:51

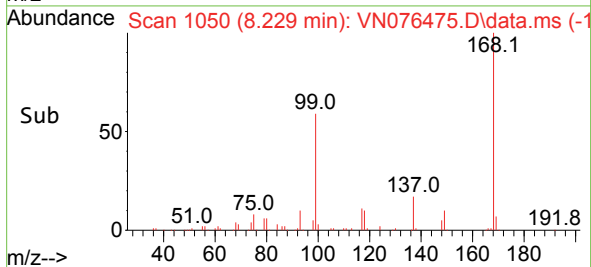
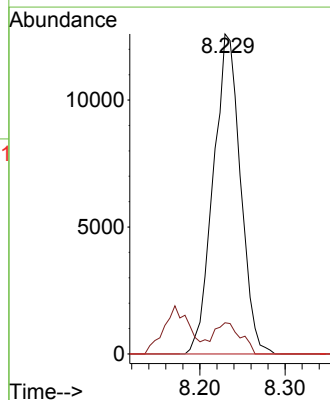
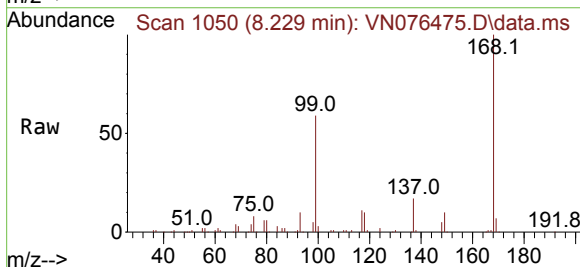
Tgt Ion: 75 Resp: 27924

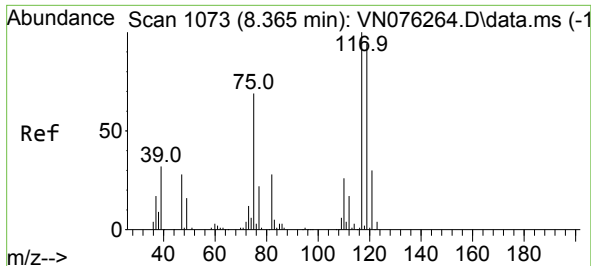
Ion Ratio Lower Upper

75 100

110 8.9 18.8 56.3#

77 0.0 25.0 37.4#

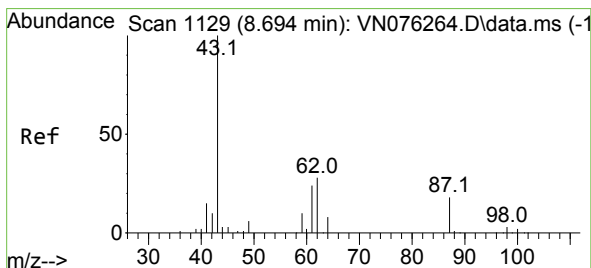
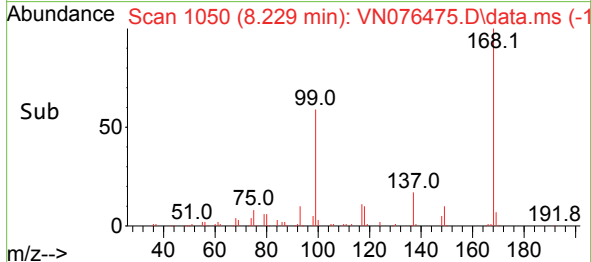
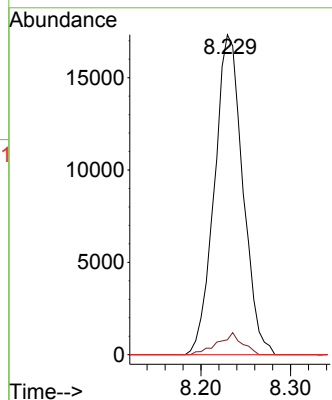
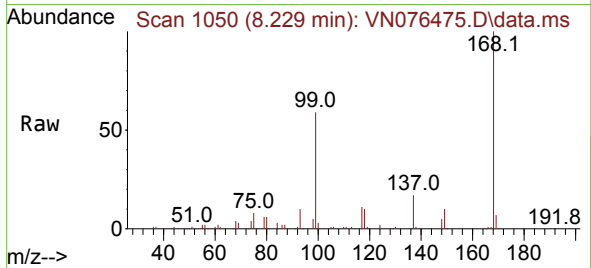




#38
Carbon Tetrachloride
Concen: 6.563 ug/l
RT: 8.229 min Scan# 1140
Delta R.T. -0.136 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

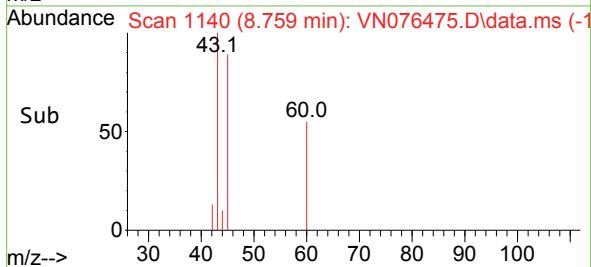
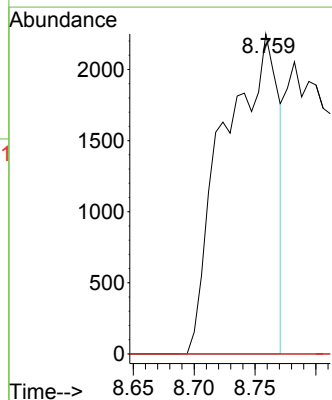
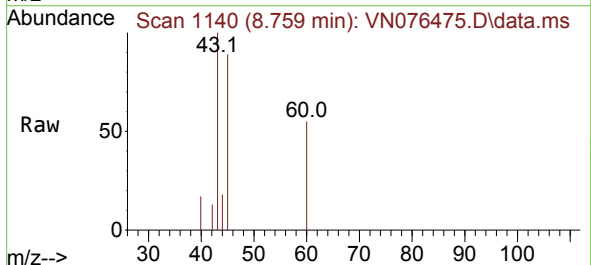
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MSVOA_N
ClientSampleId :
VN0131MBL01

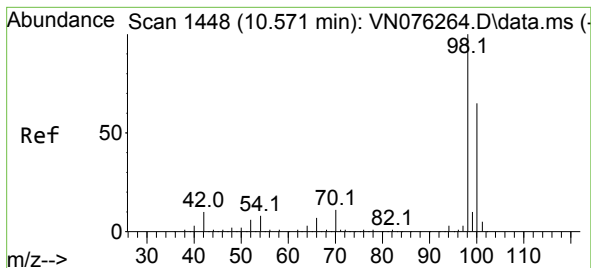
Tgt Ion:117 Resp: 38028
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.0#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.030 ug/l
RT: 8.759 min Scan# 1140
Delta R.T. 0.065 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

Tgt Ion: 43 Resp: 6980
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#





#50

Toluene-d8

Concen: 49.806 ug/l

RT: 10.570 min Scan# 1448

Delta R.T. -0.001 min

Lab File: VN076475.D

Acq: 31 Jan 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

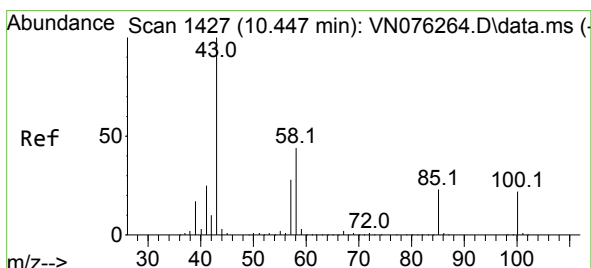
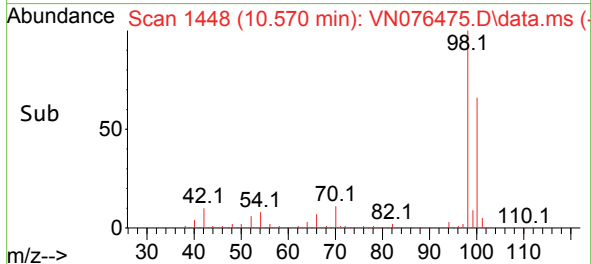
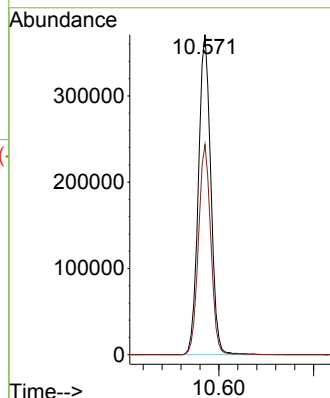
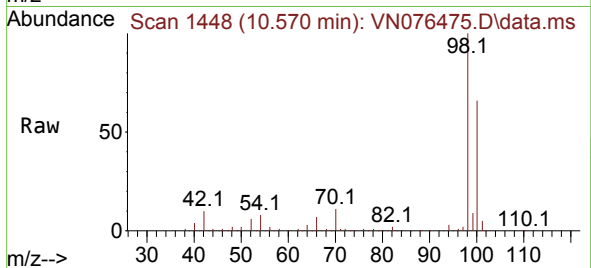
VN0131MBL01

Tgt Ion: 98 Resp: 672592

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 0.436 ug/l

RT: 10.453 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VN076475.D

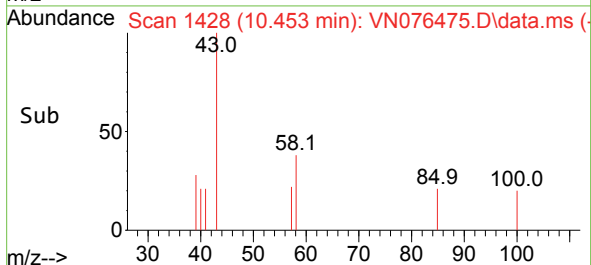
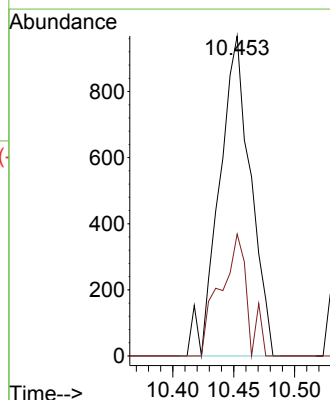
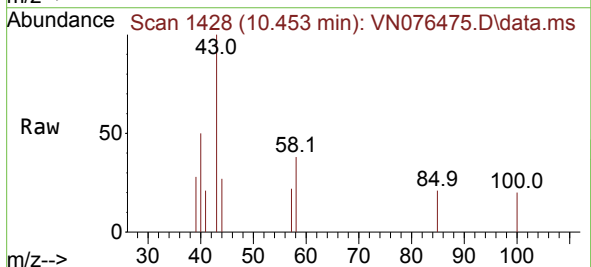
Acq: 31 Jan 2023 09:51

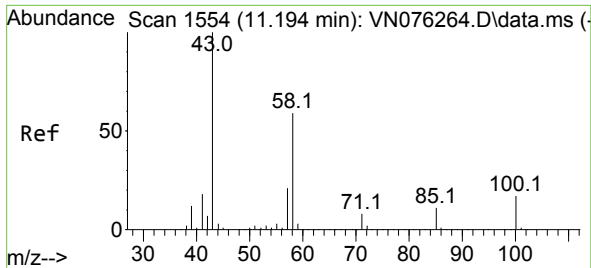
Tgt Ion: 43 Resp: 1735

Ion Ratio Lower Upper

43 100

58 33.2 35.1 52.7#

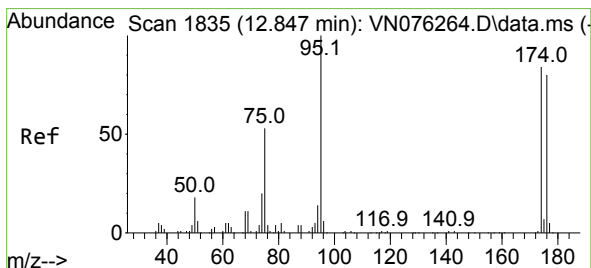
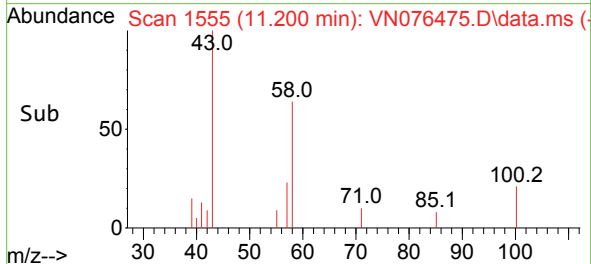
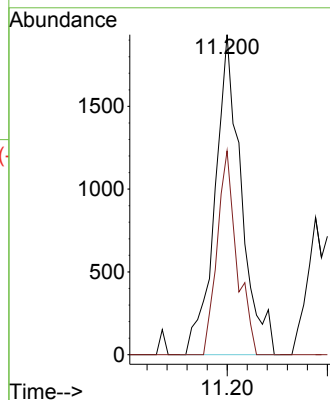
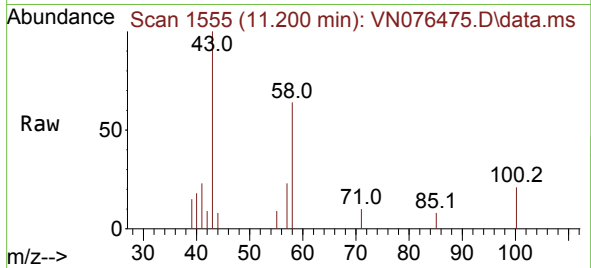




#59
2-Hexanone
Concen: 1.224 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

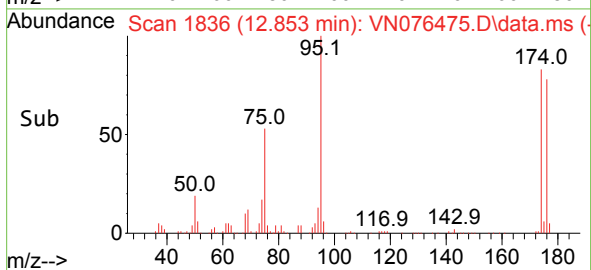
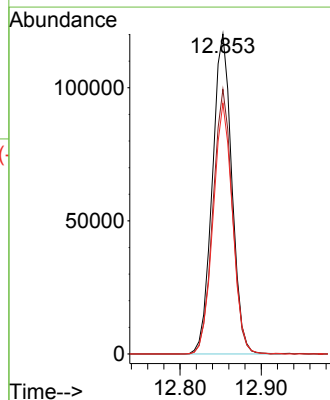
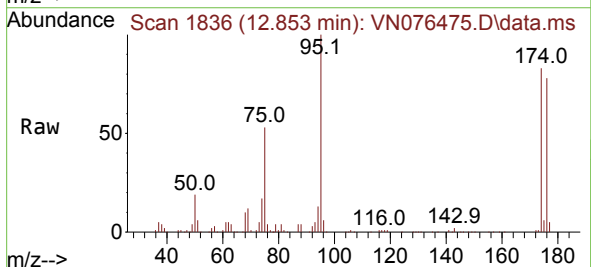
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

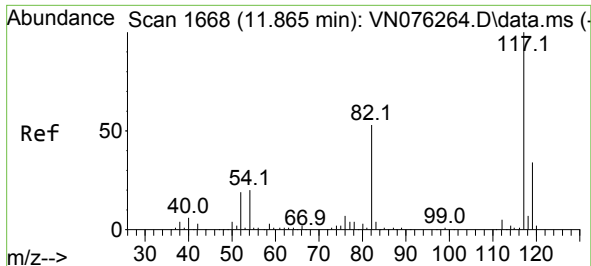
Tgt Ion: 43 Resp: 3529
Ion Ratio Lower Upper
43 100
58 47.7 30.1 90.3



#62
4-Bromofluorobenzene
Concen: 45.497 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

Tgt Ion: 95 Resp: 200573
Ion Ratio Lower Upper
95 100
174 82.2 0.0 174.6
176 78.1 0.0 167.8

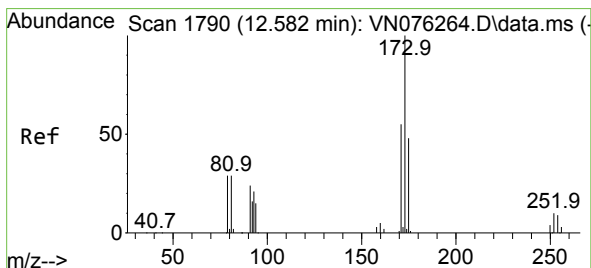
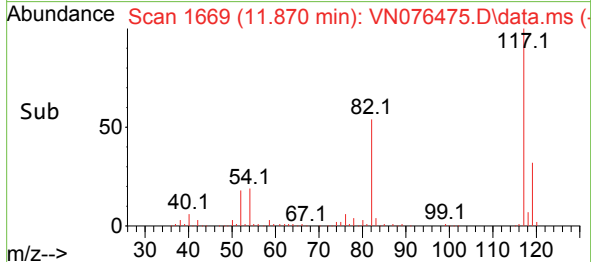
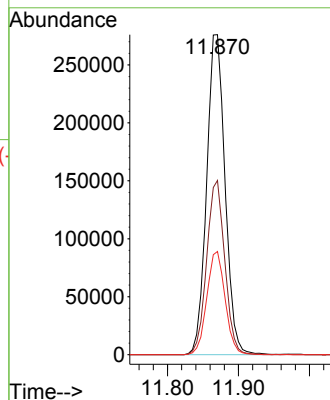
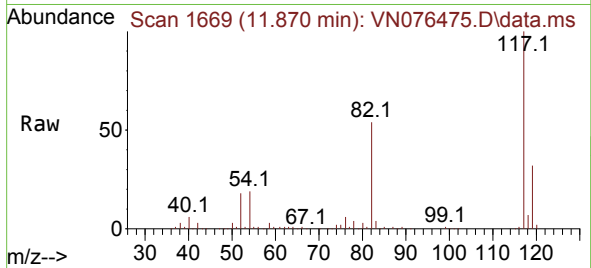




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

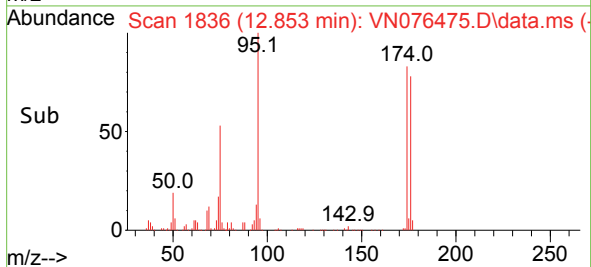
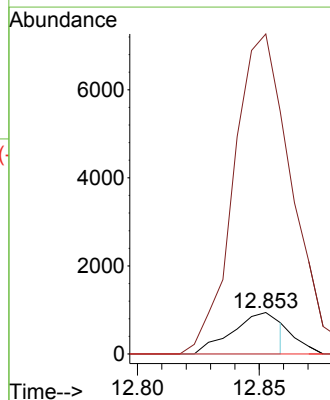
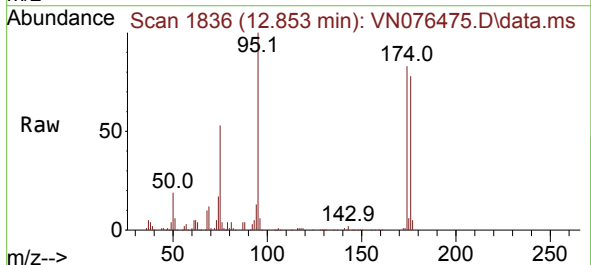
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

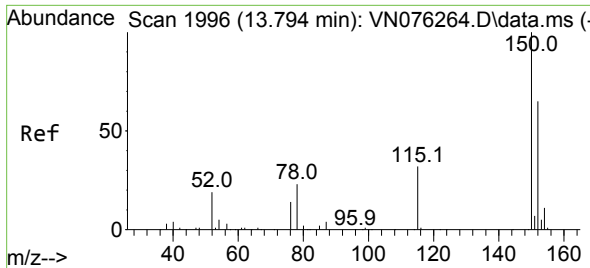
Tgt Ion:117 Resp: 498552
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.2
119 32.3 26.9 40.3



#71
Bromoform
Concen: 0.460 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

Tgt Ion:173 Resp: 1303
Ion Ratio Lower Upper
173 100
175 743.2 24.1 72.4#
254 0.0 0.0 0.0

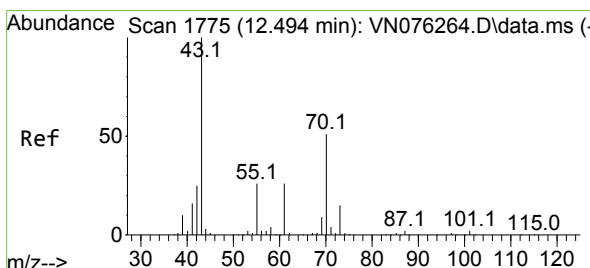
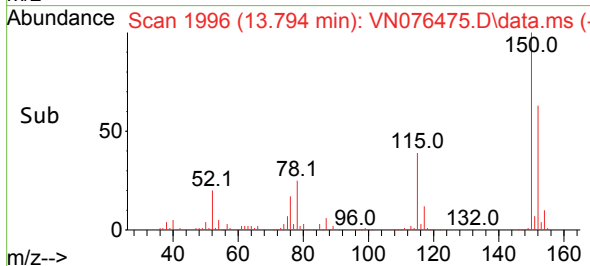
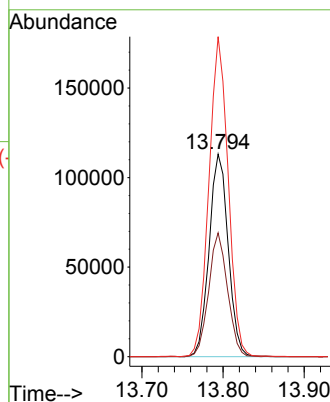
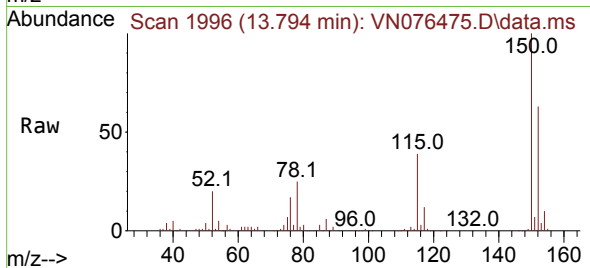




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

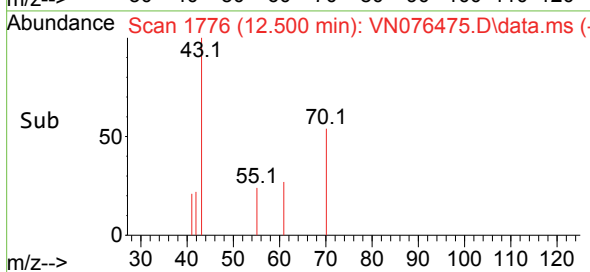
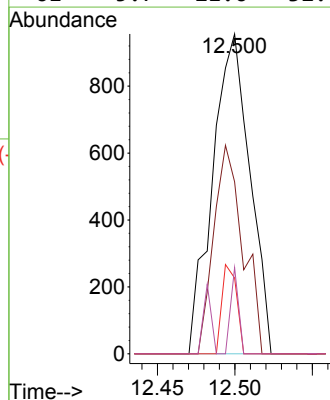
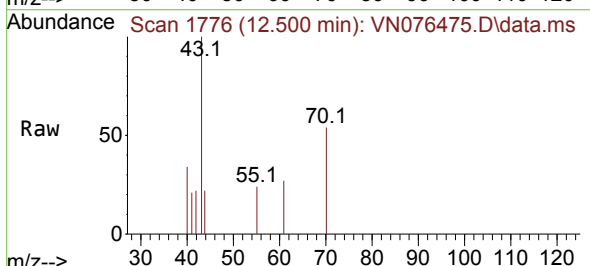
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

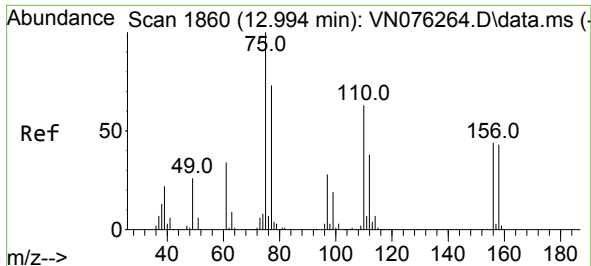
Tgt Ion:152 Resp: 184257
Ion Ratio Lower Upper
152 100
115 60.5 29.6 88.9
150 159.4 0.0 351.4



#74
N-ethyl acetate
Concen: 0.390 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

Tgt Ion: 43 Resp: 1600
Ion Ratio Lower Upper
43 100
70 51.0 41.2 61.8
55 10.9 21.0 31.6#
61 5.7 21.6 32.4#

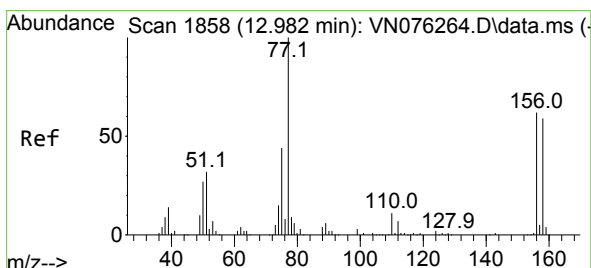
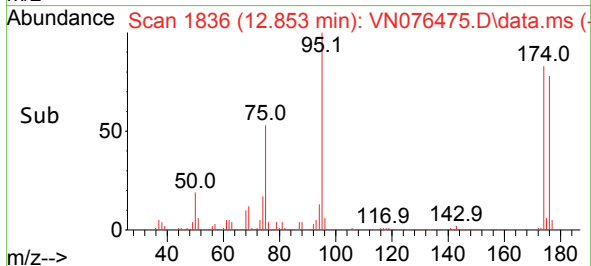
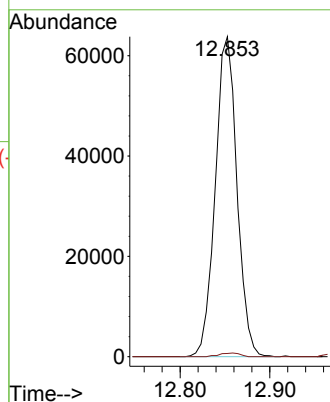
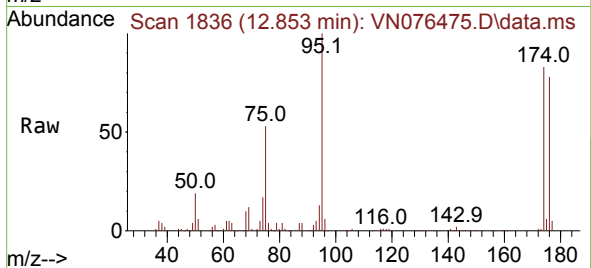




#76
1,2,3-Trichloropropane
Concen: 31.532 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

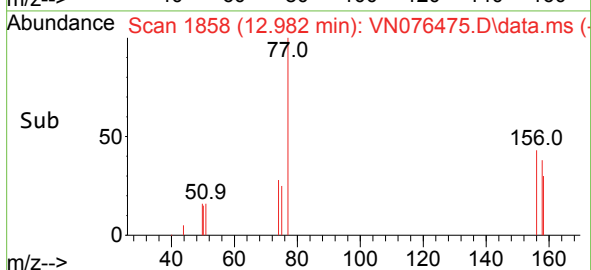
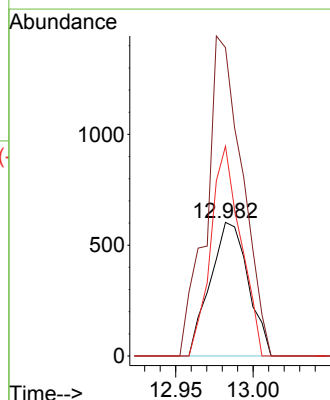
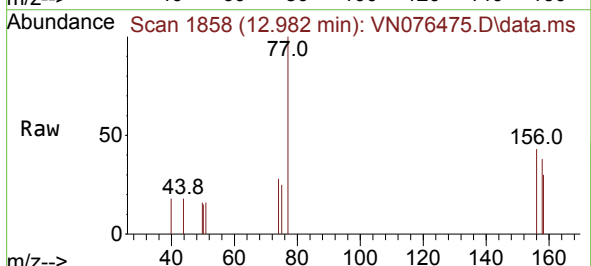
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

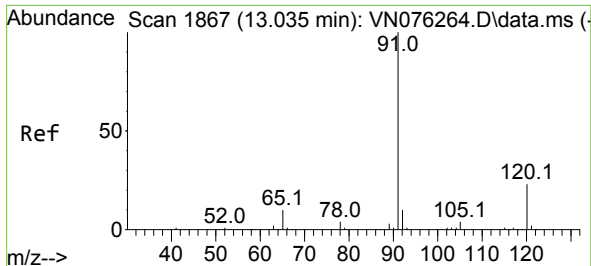
Tgt Ion: 75 Resp: 107020
Ion Ratio Lower Upper
75 100
77 1.1 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

Tgt Ion:156 Resp: 1026
Ion Ratio Lower Upper
156 100
77 227.4 93.4 280.2
158 124.1 48.4 145.2

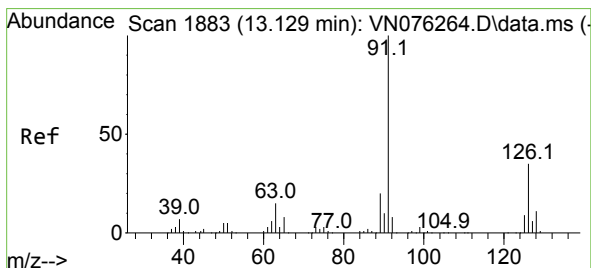
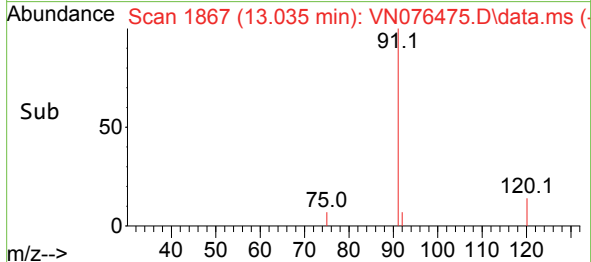
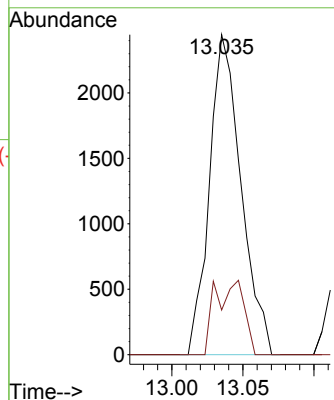
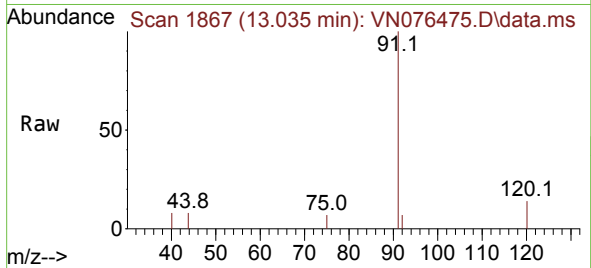




#78
n-propylbenzene
Concen: 0.235 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

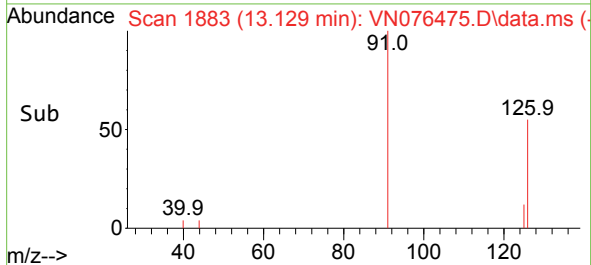
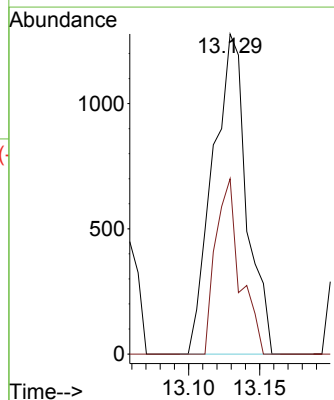
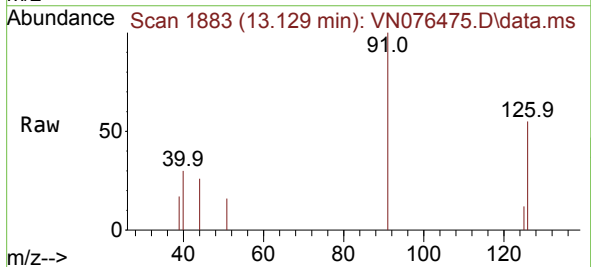
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

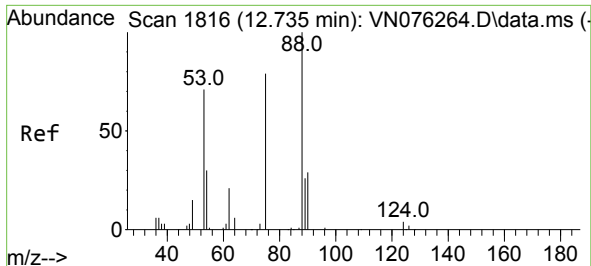
Tgt Ion: 91 Resp: 3786
Ion Ratio Lower Upper
91 100
120 21.1 11.9 35.5



#79
2-Chlorotoluene
Concen: 0.215 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

Tgt Ion: 91 Resp: 2121
Ion Ratio Lower Upper
91 100
126 39.6 17.4 52.2

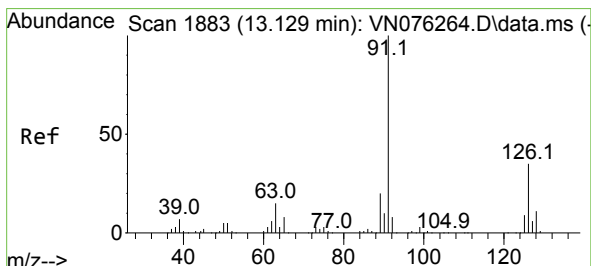
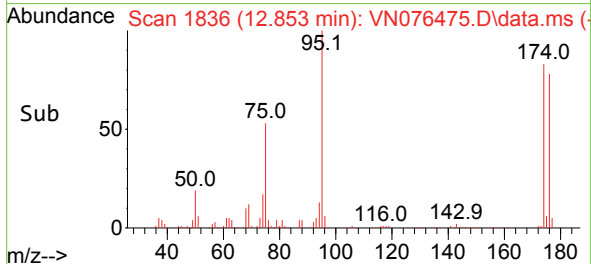
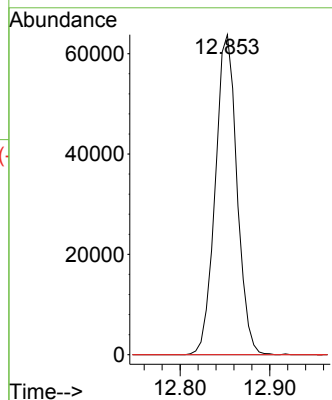
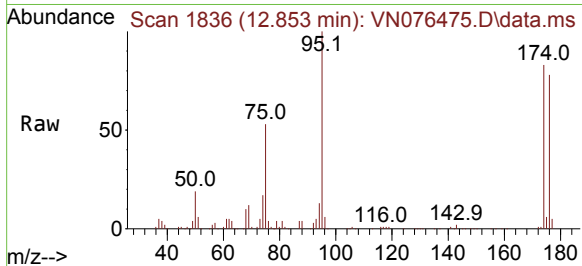




#81
trans-1,4-Dichloro-2-butene
Concen: 96.638 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

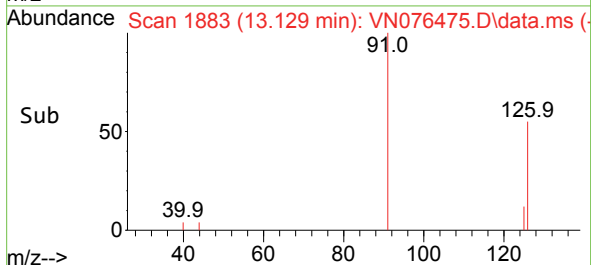
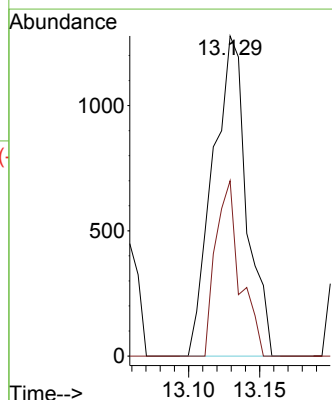
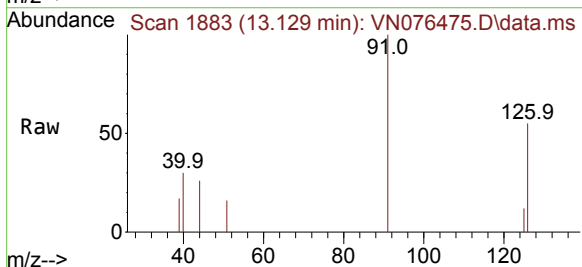
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

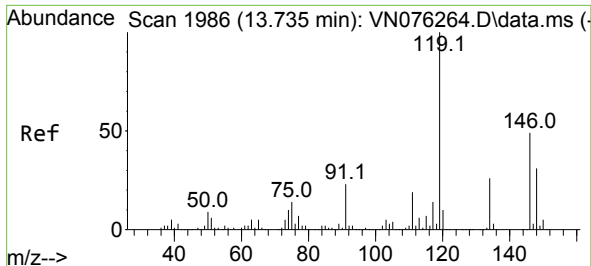
Tgt Ion: 75 Resp: 107020
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#82
4-Chlorotoluene
Concen: 0.215 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

Tgt Ion: 91 Resp: 2121
Ion Ratio Lower Upper
91 100
126 39.6 17.4 52.2

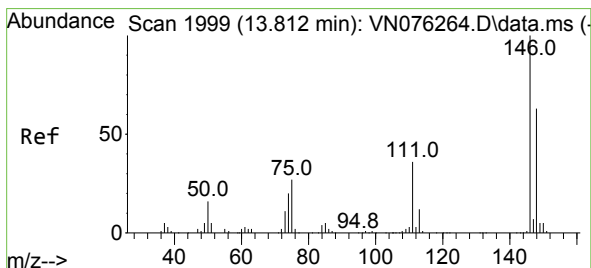
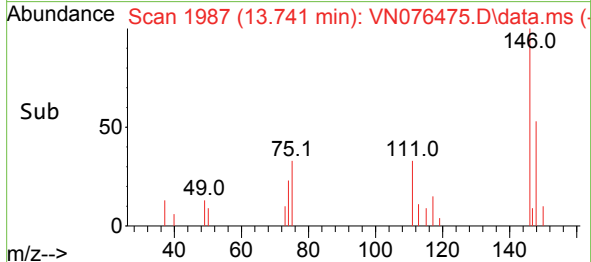
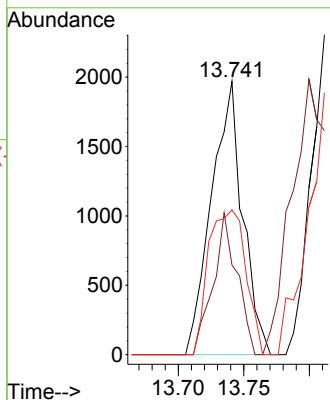
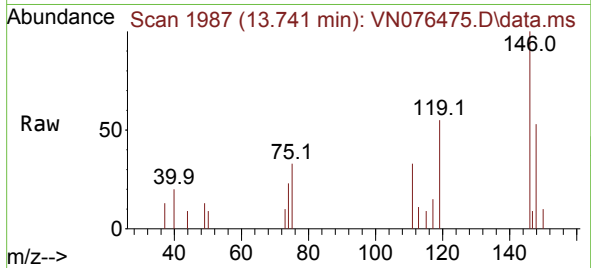




#87
 1,3-Dichlorobenzene
 Concen: 0.485 ug/l
 RT: 13.741 min Scan# 1987
 Delta R.T. 0.006 min
 Lab File: VN076475.D
 Acq: 31 Jan 2023 09:51

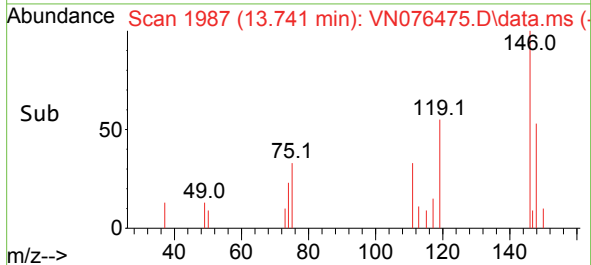
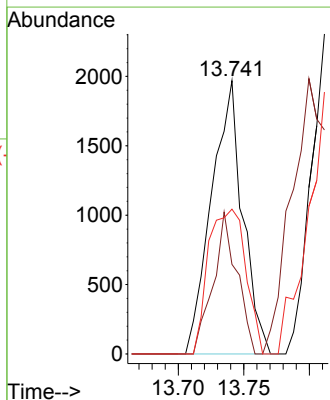
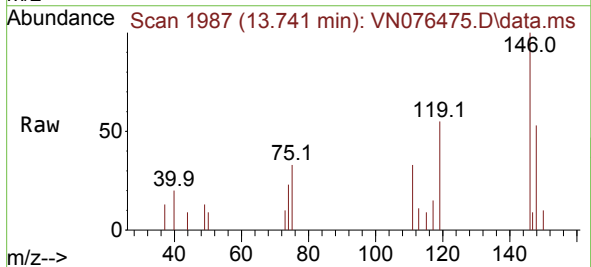
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131MBL01

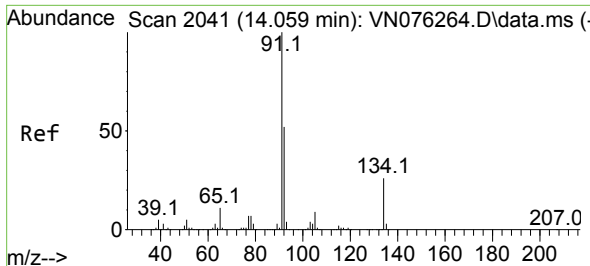
Tgt Ion:146 Resp: 3259
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.9 59.7
 148 63.3 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 0.610 ug/l
 RT: 13.741 min Scan# 1987
 Delta R.T. -0.071 min
 Lab File: VN076475.D
 Acq: 31 Jan 2023 09:51

Tgt Ion:146 Resp: 3259
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.1 57.5
 148 63.3 31.9 95.9

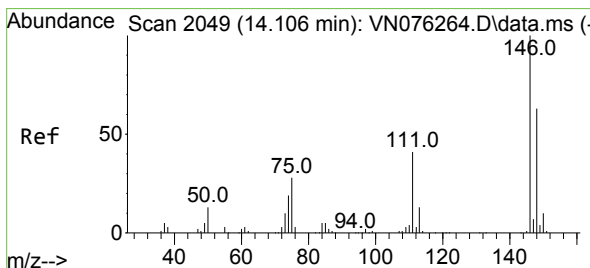
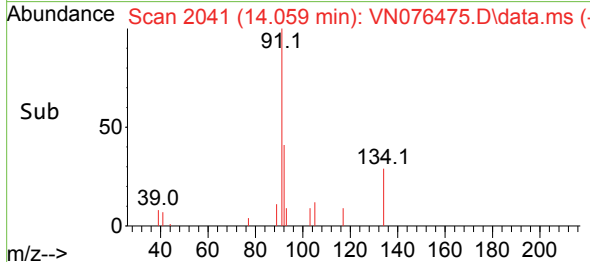
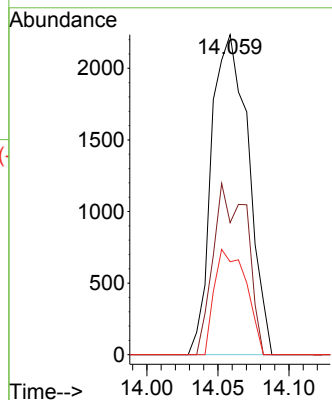
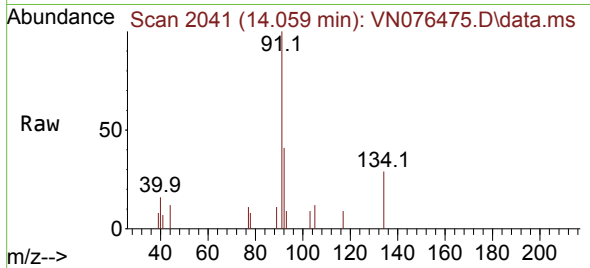




#89
n-Butylbenzene
Concen: 0.418 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

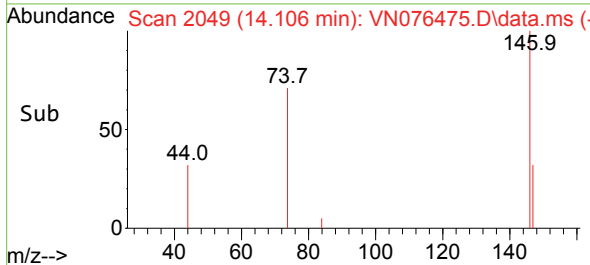
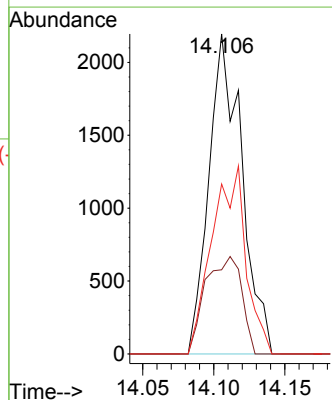
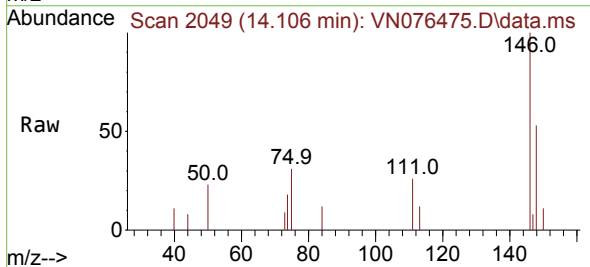
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MSVOA_N
ClientSampleId :
VN0131MBL01

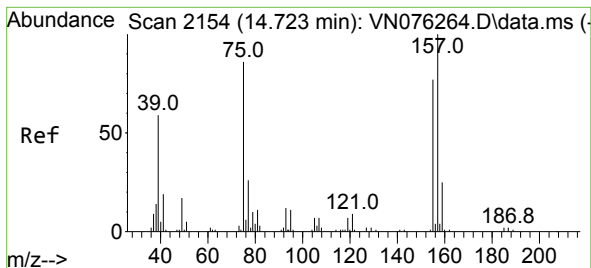
Tgt Ion: 91 Resp: 4021
Ion Ratio Lower Upper
91 100
92 48.7 26.3 78.9
134 28.4 13.2 39.5



#91
1,2-Dichlorobenzene
Concen: 0.527 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN076475.D
Acq: 31 Jan 2023 09:51

Tgt Ion: 146 Resp: 3526
Ion Ratio Lower Upper
146 100
111 33.4 20.3 60.8
148 60.7 31.8 95.4

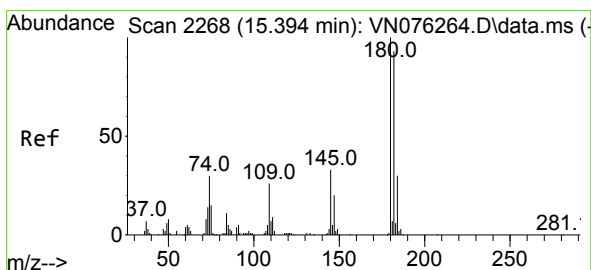
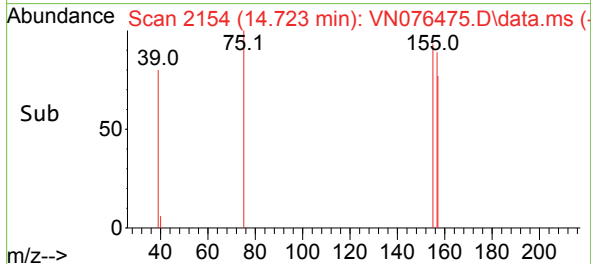
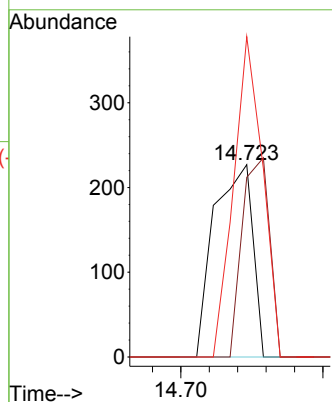
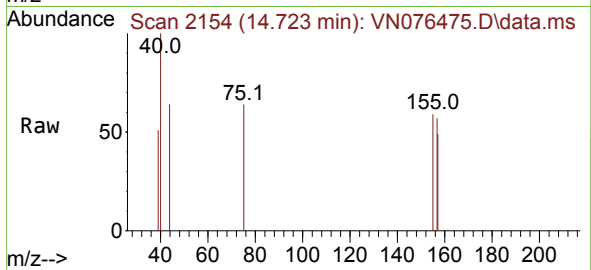




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.299 ug/l
 RT: 14.723 min Scan# 2154
 Delta R.T. 0.000 min
 Lab File: VN076475.D
 Acq: 31 Jan 2023 09:51

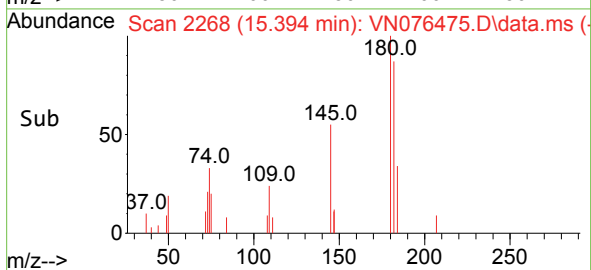
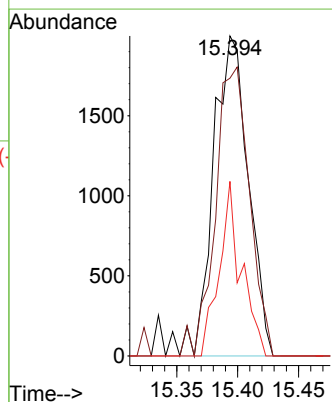
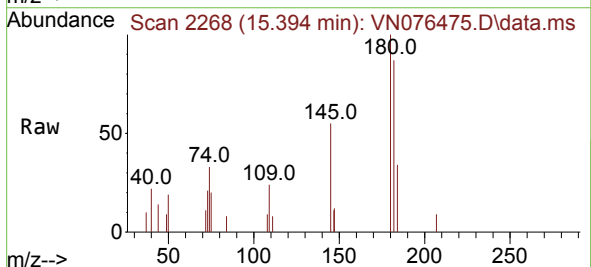
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131MBL01

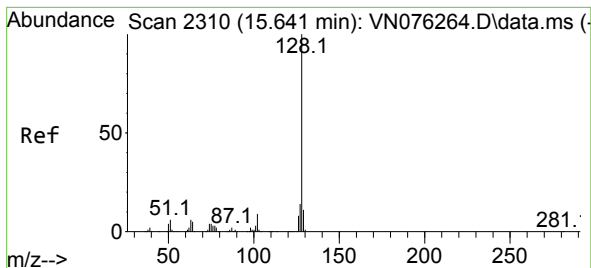
Tgt Ion: 75 Resp: 213
 Ion Ratio Lower Upper
 75 100
 155 74.2 45.0 135.0
 157 125.8 58.3 174.9



#93
 1,2,4-Trichlorobenzene
 Concen: 2.505 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076475.D
 Acq: 31 Jan 2023 09:51

Tgt Ion: 180 Resp: 3984
 Ion Ratio Lower Upper
 180 100
 182 88.7 47.0 141.2
 145 34.5 15.2 45.5





#95

Naphthalene

Concen: 3.457 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076475.D

Acq: 31 Jan 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VN0131MBL01

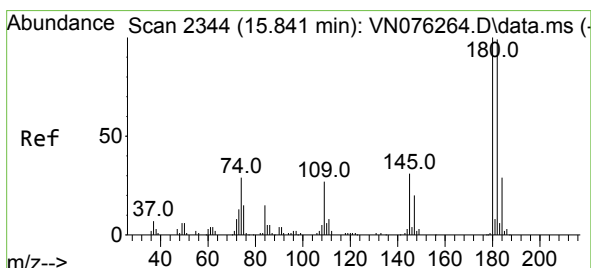
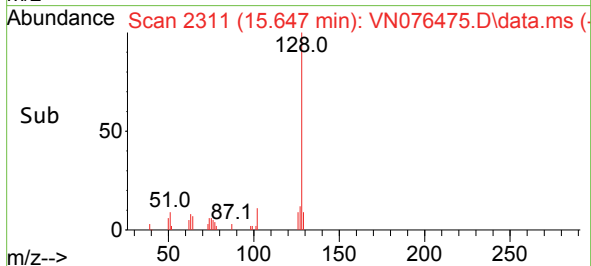
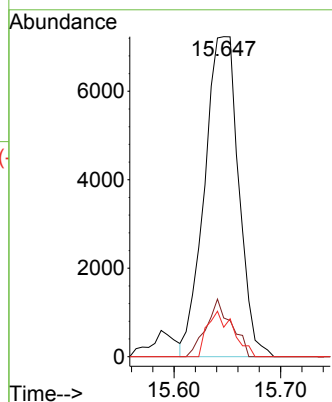
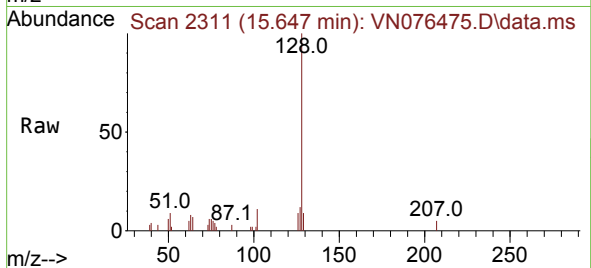
Tgt Ion:128 Resp: 16084

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.581 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076475.D

Acq: 31 Jan 2023 09:51

Tgt Ion:180 Resp: 4501

Ion Ratio Lower Upper

180 100

182 97.4 47.5 142.5

145 37.0 15.9 47.6

