

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050922\
 Data File : VN072374.D
 Acq On : 09 May 2022 12:46
 Operator : JC\MD
 Sample : VN0509WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 06:43:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

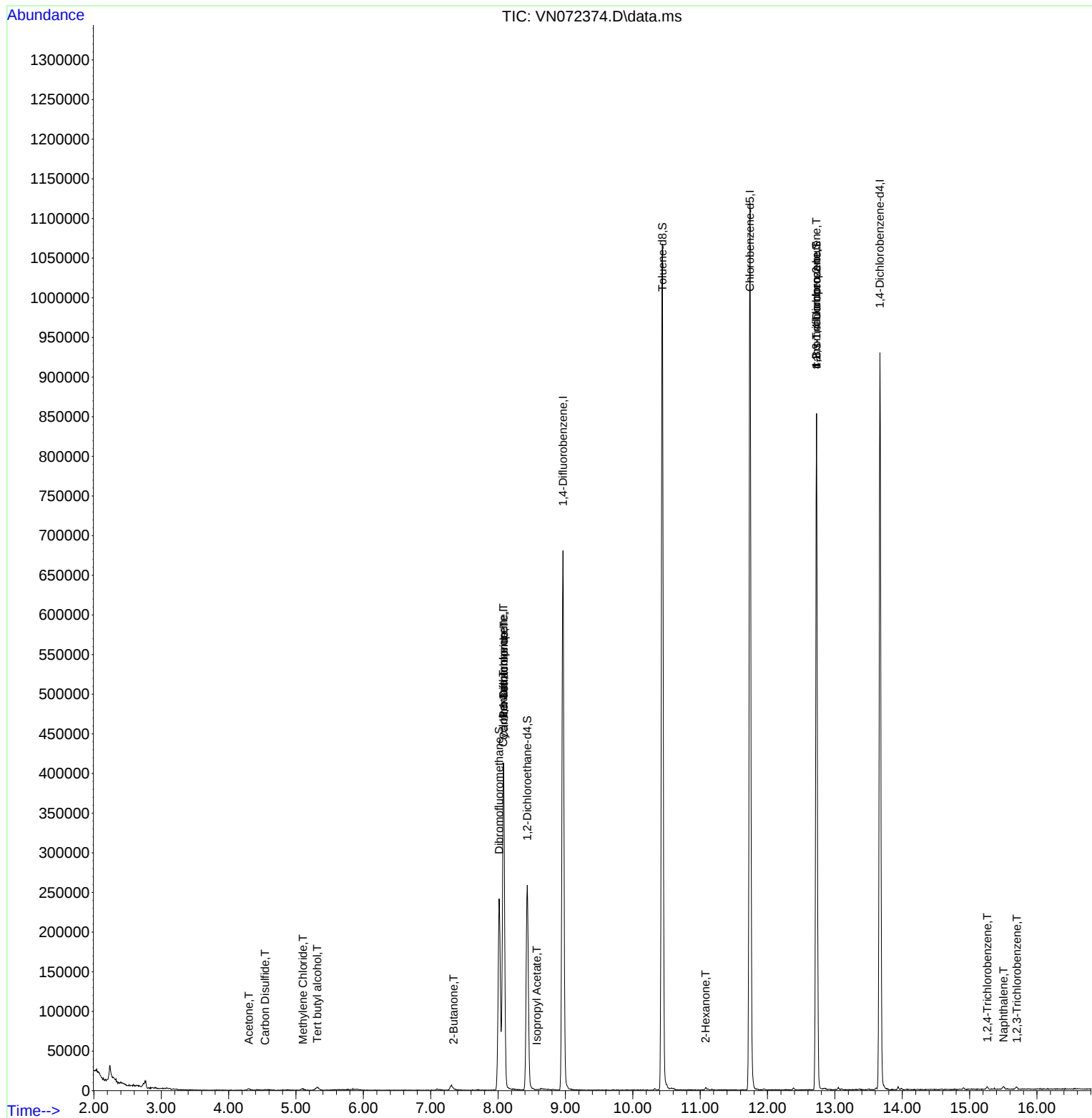
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	305328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	586328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	636703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	249977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	222707	47.511	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	95.020%	
35) Dibromofluoromethane	8.016	113	175535	46.774	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	93.540%	
50) Toluene-d8	10.439	98	741605	50.291	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	100.580%	
62) 4-Bromofluorobenzene	12.727	95	295407	60.354	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	120.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.310	50	1012	Below Cal	#	80
5) Bromomethane	2.863	94	807	Below Cal	#	45
6) Chloroethane	3.022	64	457	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	3608	4.684	ug/l #	72
16) Acetone	4.298	43	2492	1.233	ug/l #	75
17) Carbon Disulfide	4.540	76	683	0.462	ug/l #	75
20) Methylene Chloride	5.104	84	1604	0.414	ug/l #	73
25) 2-Butanone	7.339	43	2928	0.910	ug/l #	45
31) Cyclohexane	8.075	56	6540	1.044	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	25338	4.639	ug/l #	48
38) Carbon Tetrachloride	8.086	117	32775	5.602	ug/l #	16
43) Isopropyl Acetate	8.575	43	184	0.817	ug/l #	53
59) 2-Hexanone	11.080	43	2536	0.526	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.821	83	236	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	154638	27.531	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	154638	71.527	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	1494	2.789	ug/l	90
95) Naphthalene	15.504	128	5514	4.689	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.704	180	1345	3.005	ug/l	93

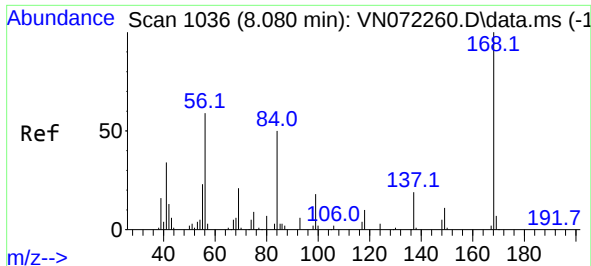
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 26 18:50:11 2022
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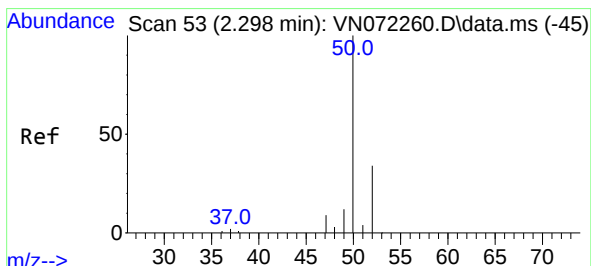
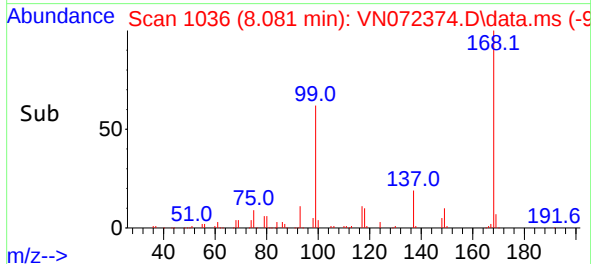
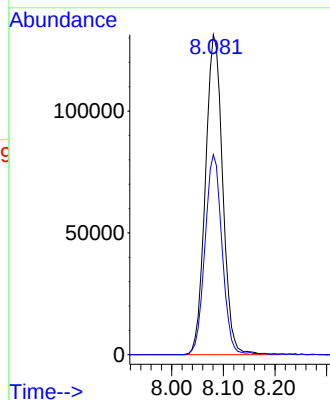
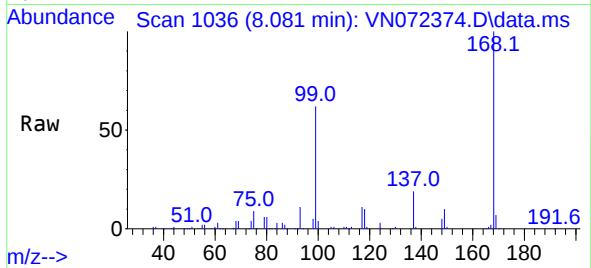




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

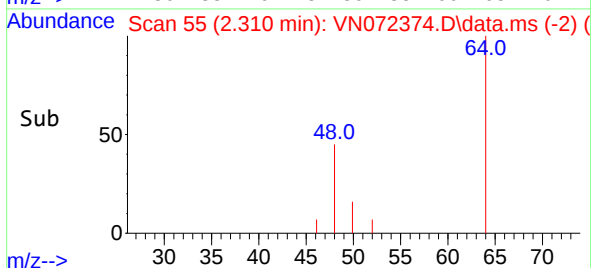
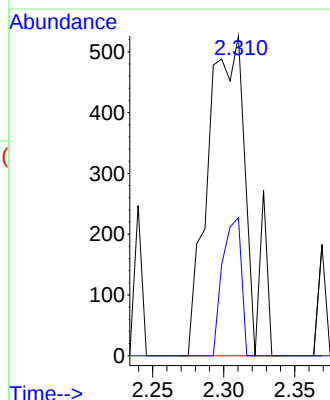
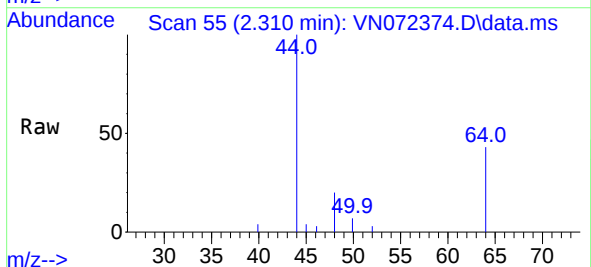
Instrument :
MSVOA_N
ClientSampleId :

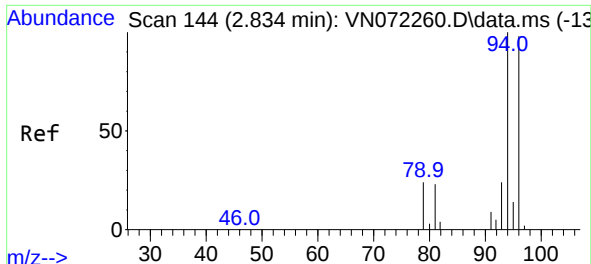
Tgt Ion:168 Resp: 305328
Ion Ratio Lower Upper
168 100
99 62.5 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.310 min Scan# 55
Delta R.T. 0.011 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

Tgt Ion: 50 Resp: 1012
Ion Ratio Lower Upper
50 100
52 43.2 25.7 38.5#

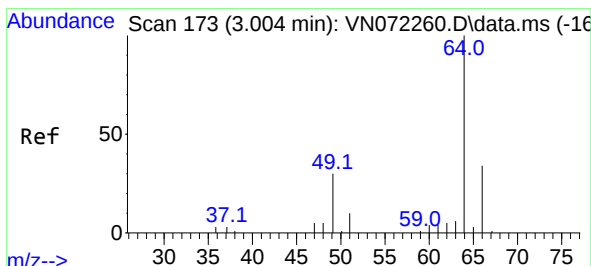
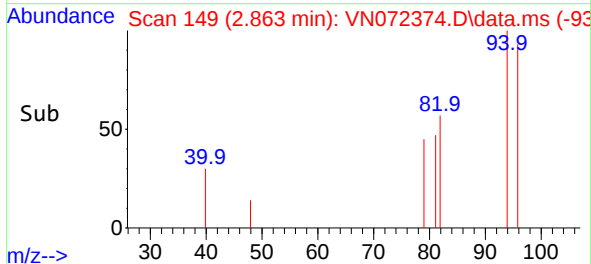
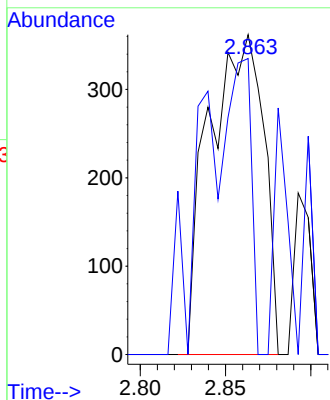
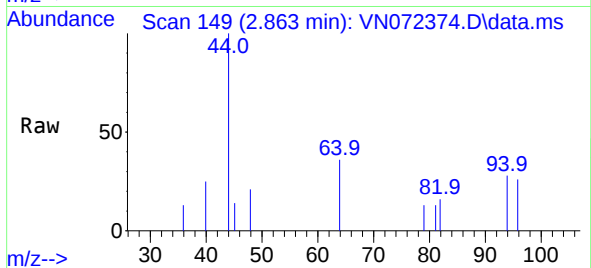




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 14
Delta R.T. 0.029 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

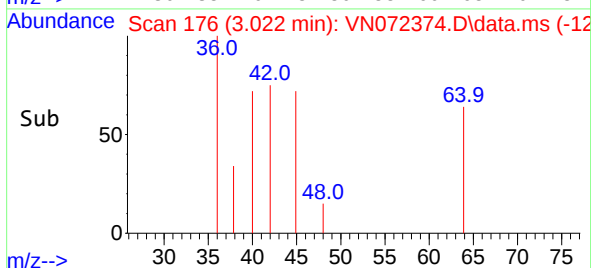
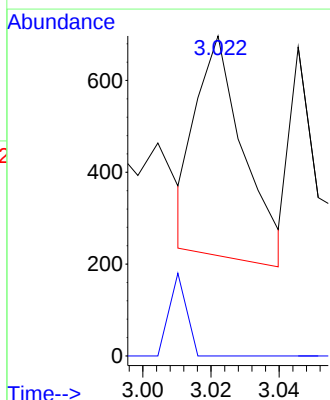
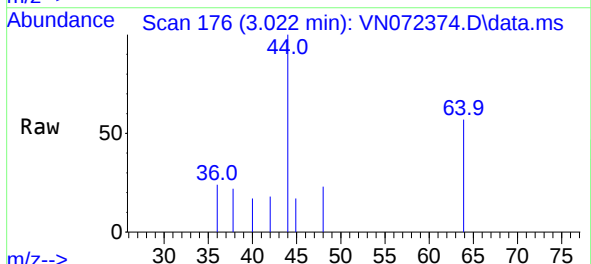
Instrument :
MSVOA_N
ClientSampleId :

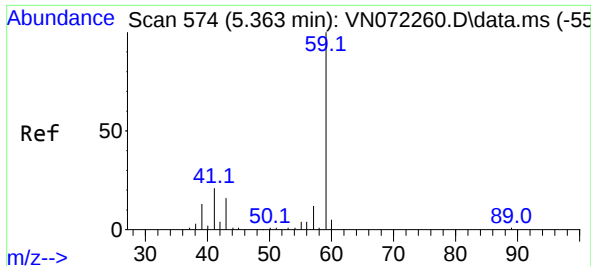
Tgt Ion: 94 Resp: 807
Ion Ratio Lower Upper
94 100
96 41.4 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 3.022 min Scan# 176
Delta R.T. 0.017 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

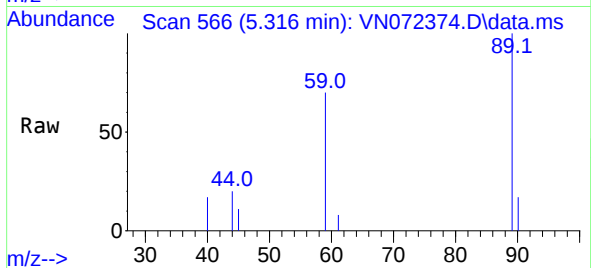
Tgt Ion: 64 Resp: 457
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



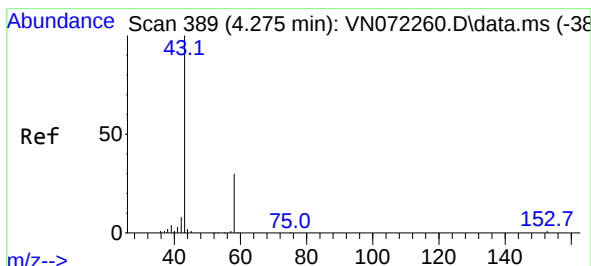
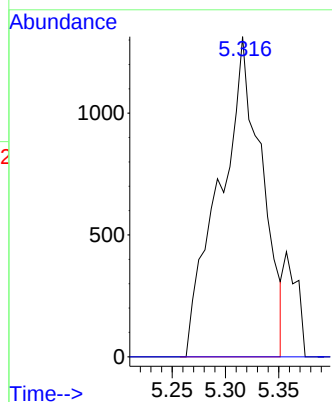
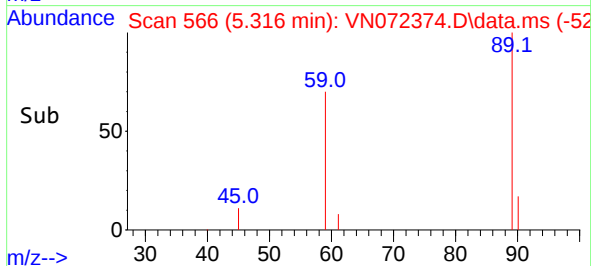


#11
Tert butyl alcohol
Concen: 4.684 ug/l
RT: 5.316 min Scan# 50
Delta R.T. -0.047 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

Instrument :
MSVOA_N
ClientSampleId :

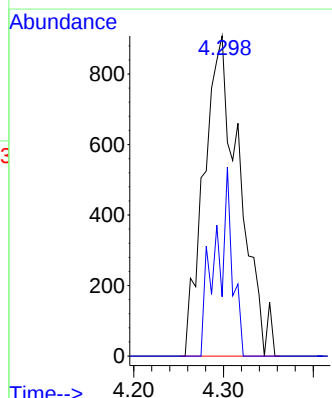
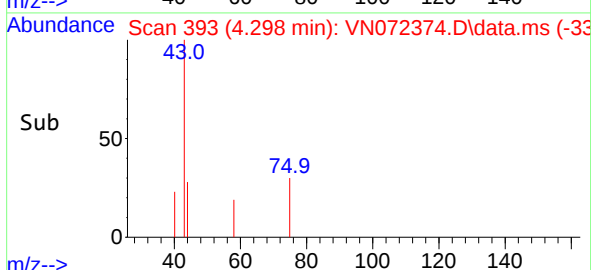
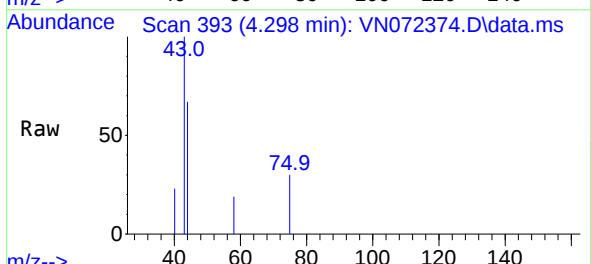


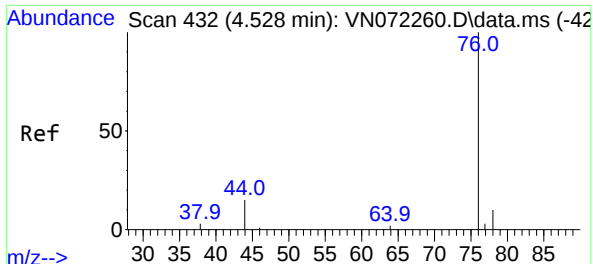
Tgt Ion: 59 Resp: 3608
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.233 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.017 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

Tgt Ion: 43 Resp: 2492
Ion Ratio Lower Upper
43 100
58 18.5 26.0 39.0#

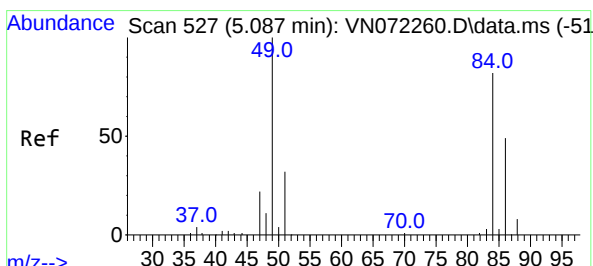
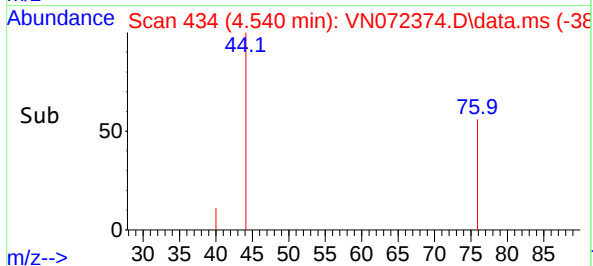
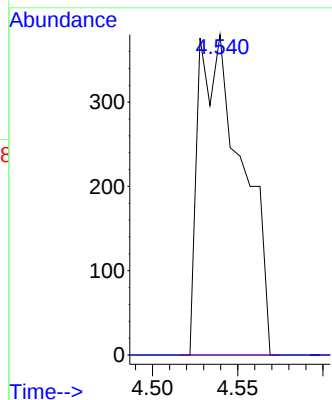
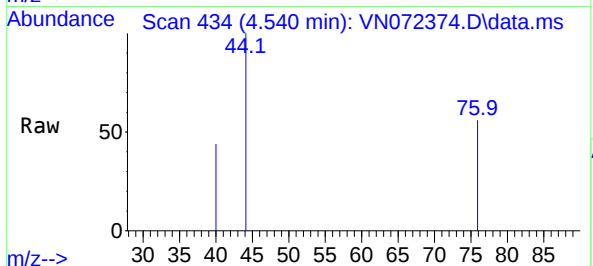




#17
Carbon Disulfide
Concen: 0.462 ug/l
RT: 4.540 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

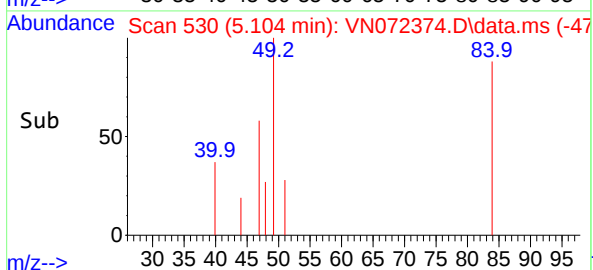
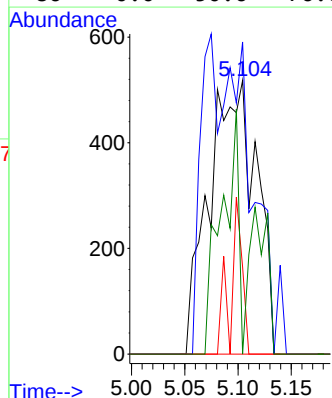
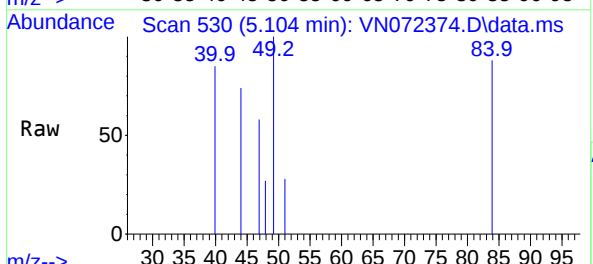
Instrument :
MSVOA_N
ClientSampleId :

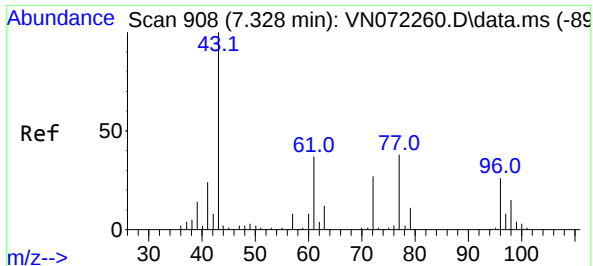
Tgt Ion: 76 Resp: 683
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.414 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.017 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

Tgt Ion: 84 Resp: 1604
Ion Ratio Lower Upper
84 100
49 114.1 88.3 132.5
51 31.9 28.2 42.2
86 0.0 50.6 76.0#

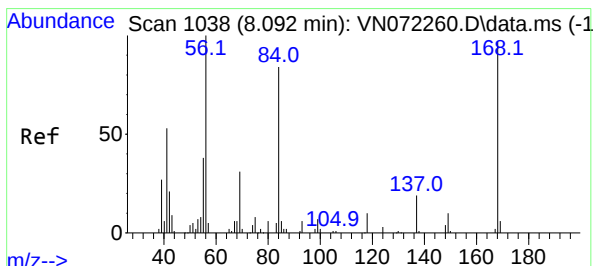
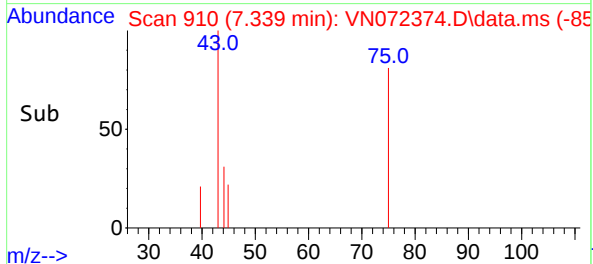
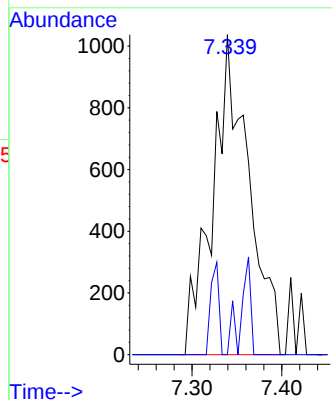
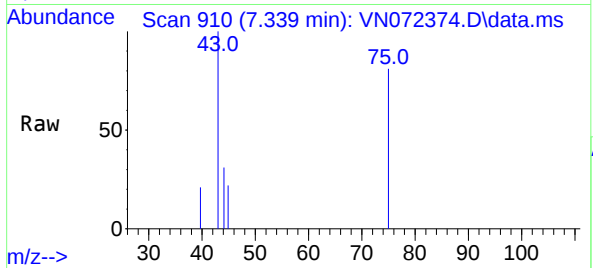




#25
2-Butanone
Concen: 0.910 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

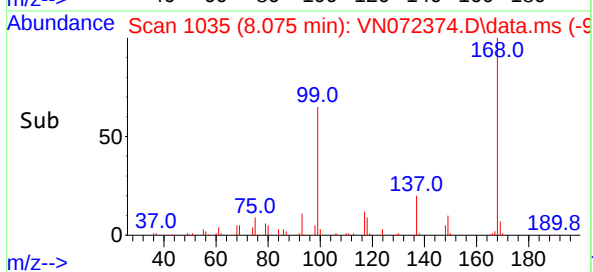
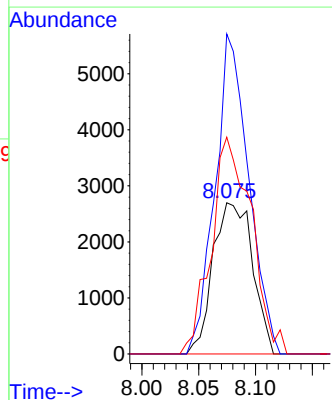
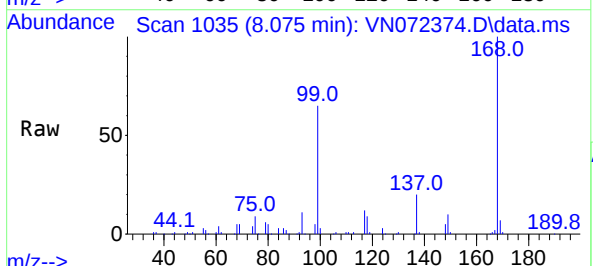
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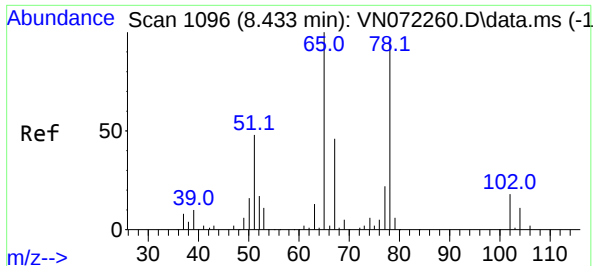
Tgt Ion: 43 Resp: 2928
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.044 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.017 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

Tgt Ion: 56 Resp: 6540
Ion Ratio Lower Upper
56 100
69 211.6 27.8 41.8#
84 143.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.511 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072374.D

Acq: 09 May 2022 12:46

Instrument :

MSVOA_N

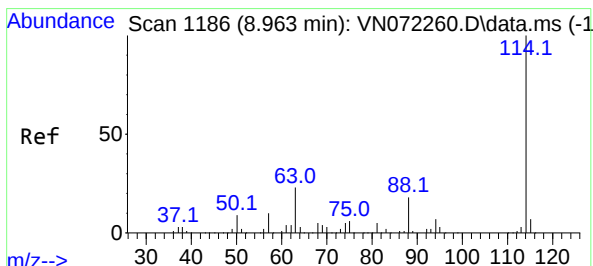
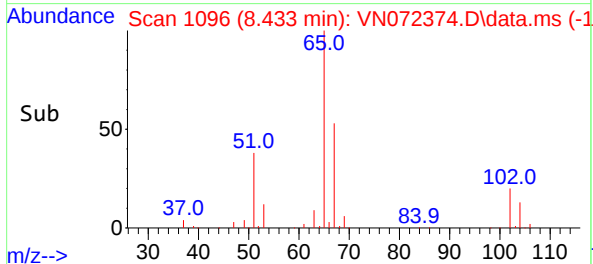
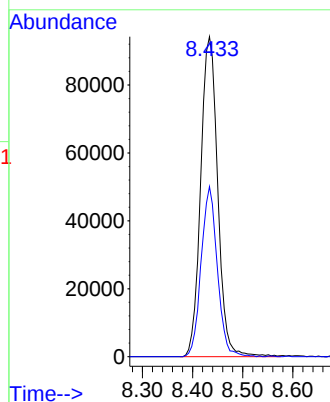
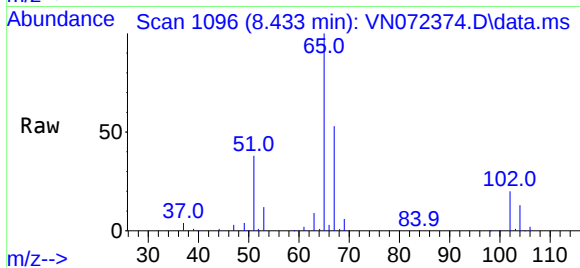
ClientSampleId :

Tgt Ion: 65 Resp: 222707

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072374.D

Acq: 09 May 2022 12:46

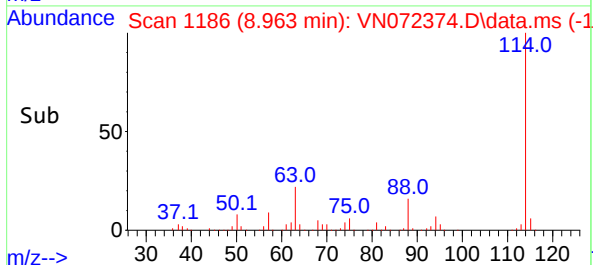
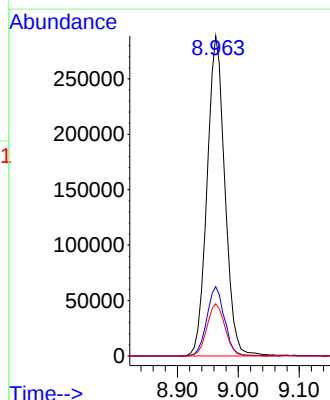
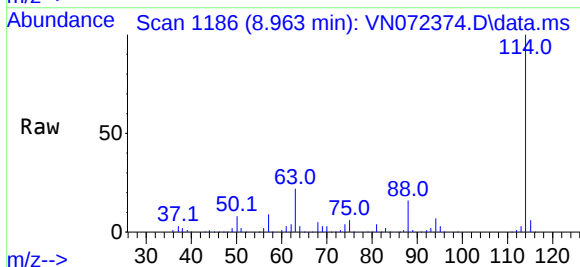
Tgt Ion: 114 Resp: 586328

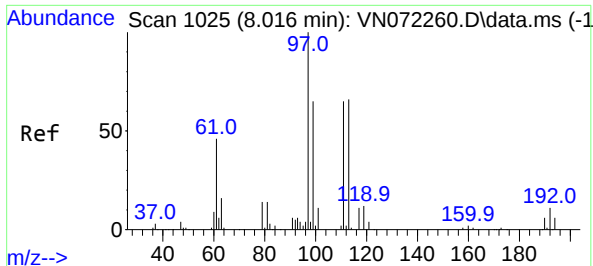
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

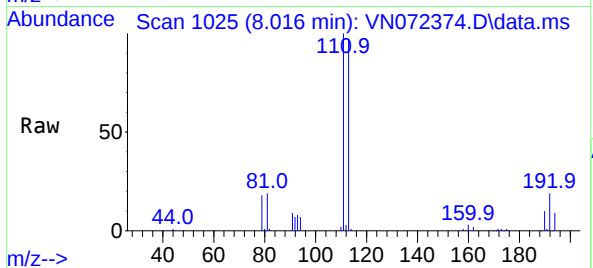
88 16.3 0.0 32.6



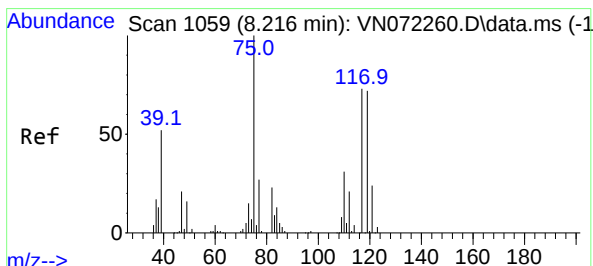
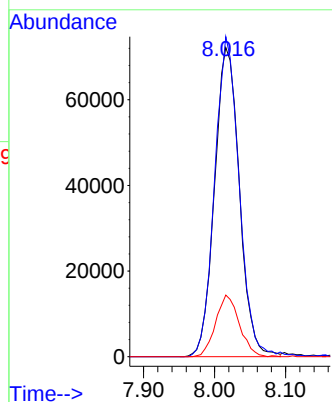
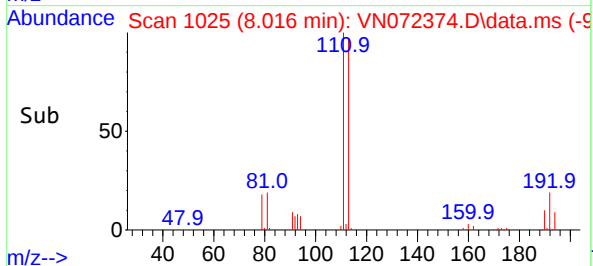


#35
Dibromofluoromethane
Concen: 46.774 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

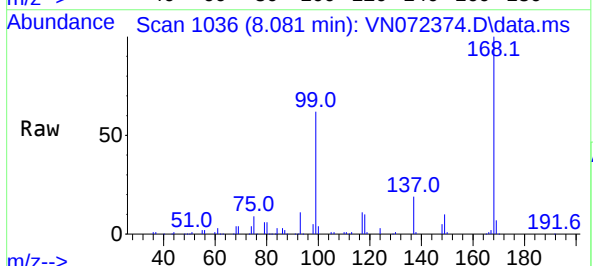
Instrument :
MSVOA_N
ClientSampleId :



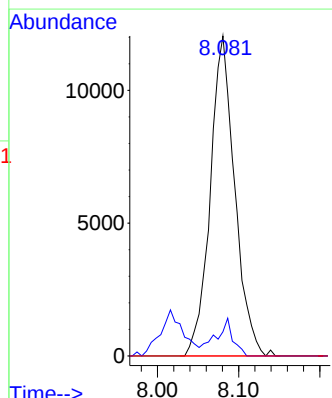
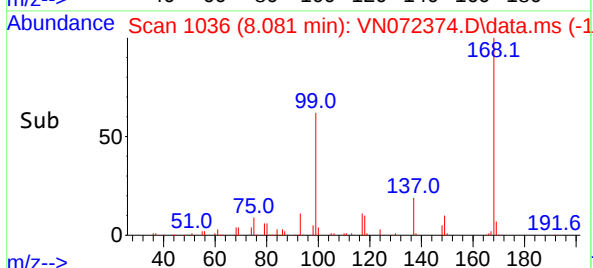
Tgt Ion:113 Resp: 175535
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 18.9 17.0 25.6

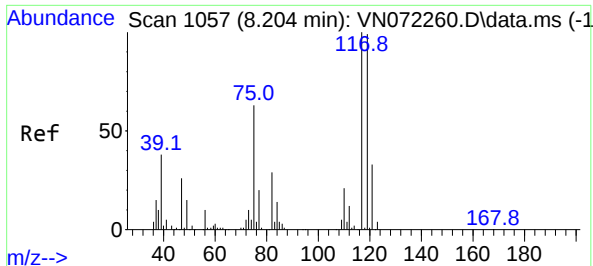


#36
1,1-Dichloropropene
Concen: 4.639 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46



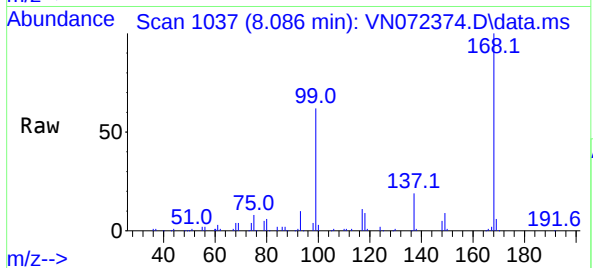
Tgt Ion: 75 Resp: 25338
Ion Ratio Lower Upper
75 100
110 8.3 18.3 54.8#
77 0.0 25.1 37.7#



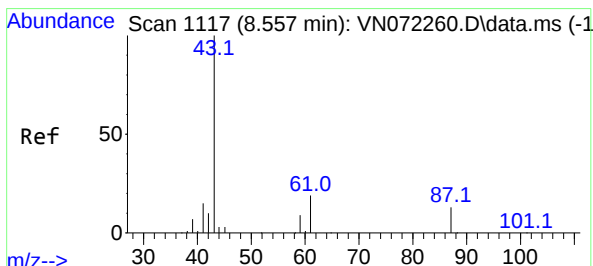
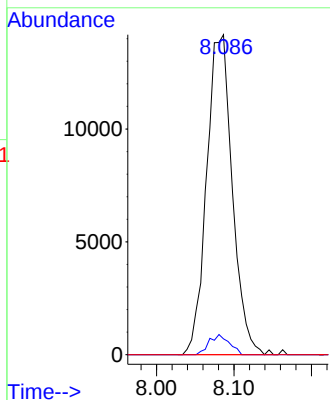
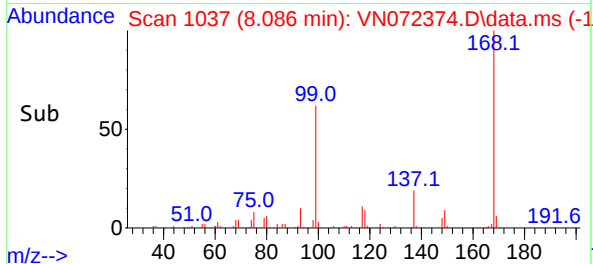


#38
Carbon Tetrachloride
Concen: 5.602 ug/l
RT: 8.086 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

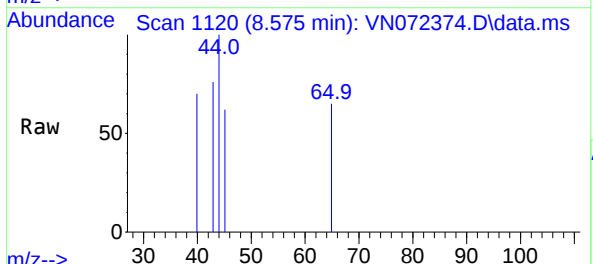
Instrument :
MSVOA_N
ClientSampleId :



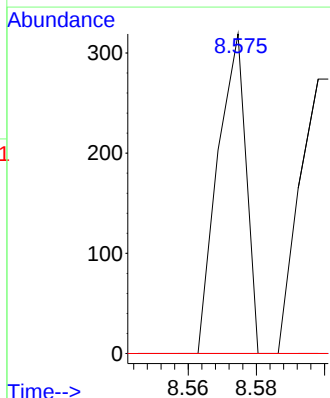
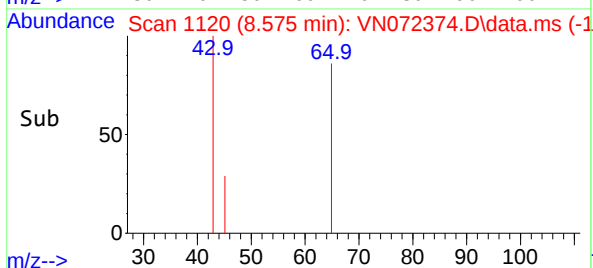
Tgt Ion:117 Resp: 32775
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#

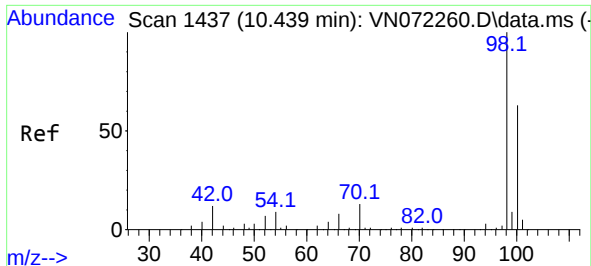


#43
Isopropyl Acetate
Concen: 0.817 ug/l
RT: 8.575 min Scan# 1120
Delta R.T. 0.018 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46



Tgt Ion: 43 Resp: 184
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

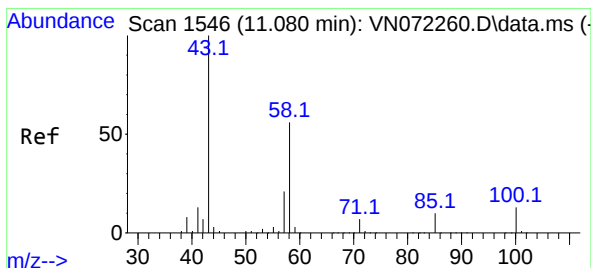
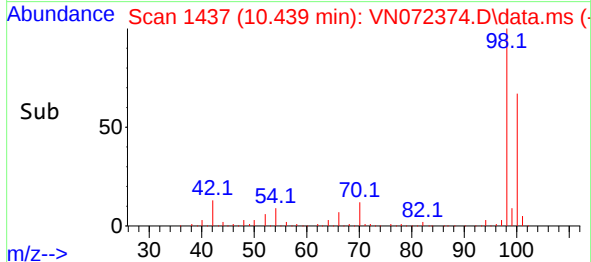
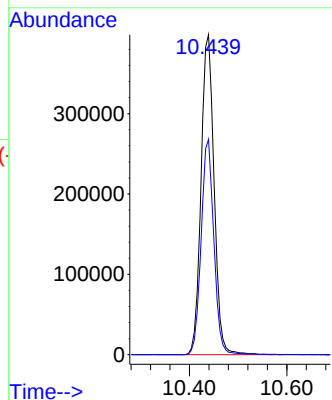
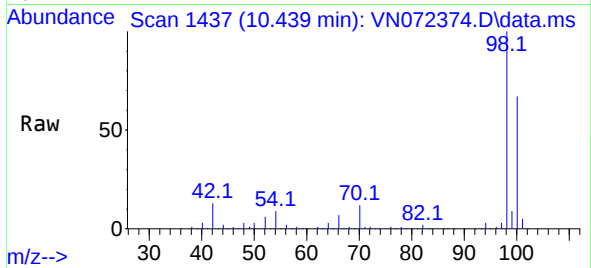




#50
Toluene-d8
Concen: 50.291 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

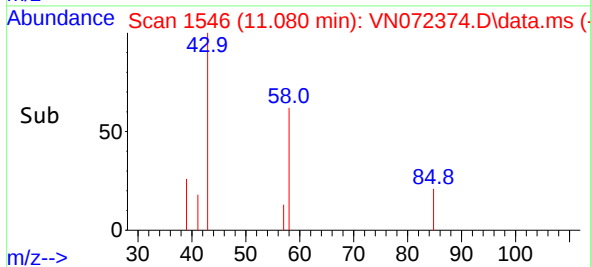
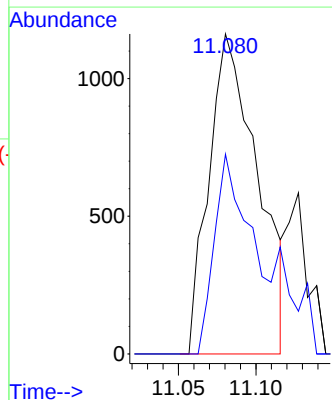
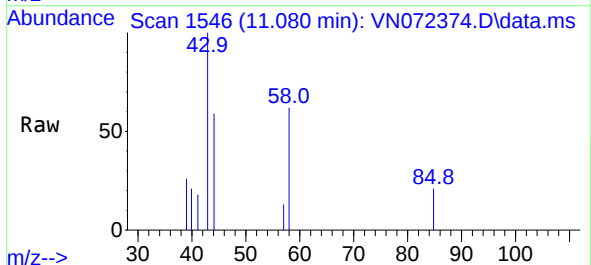
Instrument :
MSVOA_N
ClientSampleId :

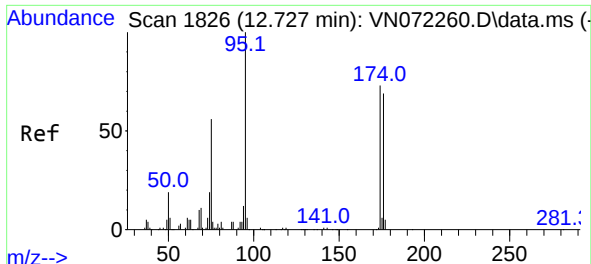
Tgt Ion: 98 Resp: 741605
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#59
2-Hexanone
Concen: 0.526 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. -0.001 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

Tgt Ion: 43 Resp: 2536
Ion Ratio Lower Upper
43 100
58 62.1 29.7 89.1

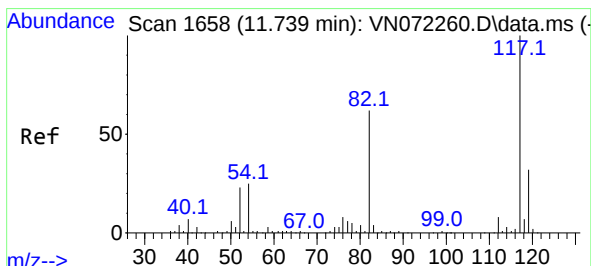
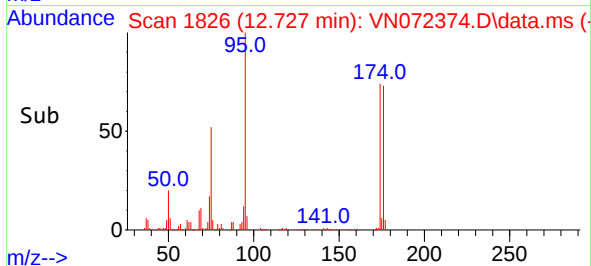
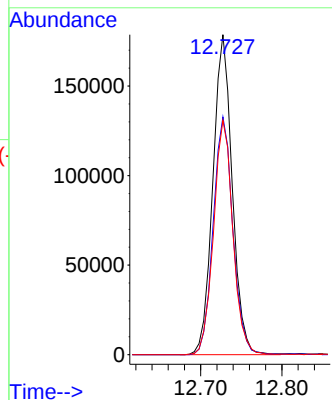
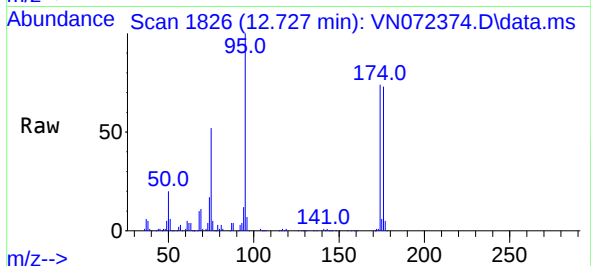




#62
4-Bromofluorobenzene
Concen: 60.354 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

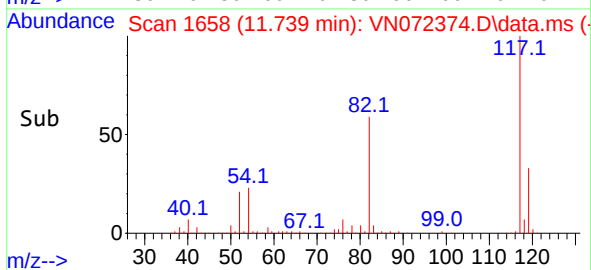
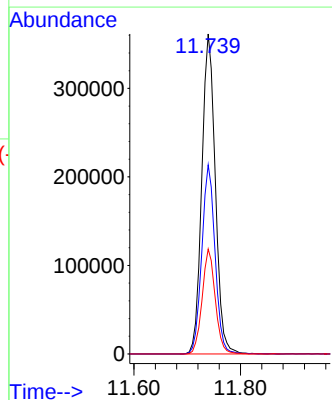
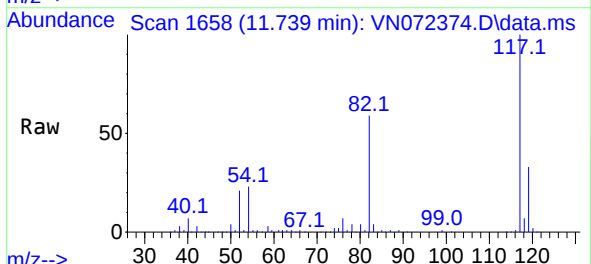
Instrument :
MSVOA_N
ClientSampleId :

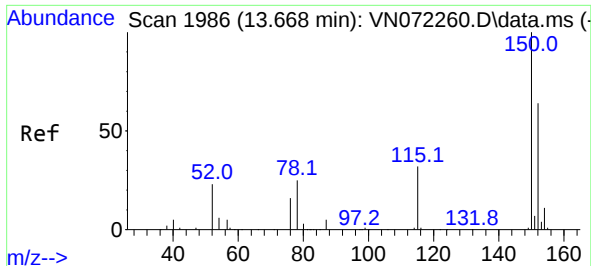
Tgt Ion: 95 Resp: 295407
Ion Ratio Lower Upper
95 100
174 75.7 0.0 167.6
176 73.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

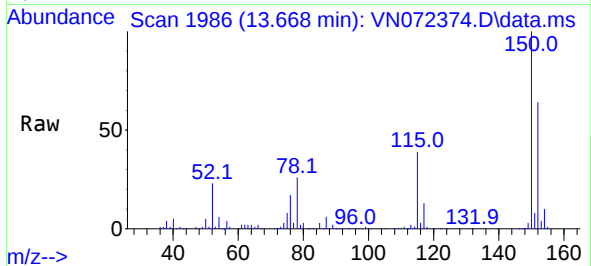
Tgt Ion: 117 Resp: 636703
Ion Ratio Lower Upper
117 100
82 59.1 44.2 66.2
119 32.8 25.4 38.0



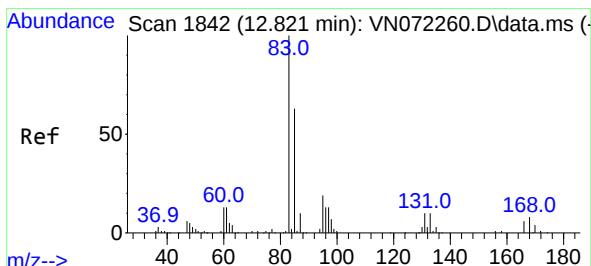
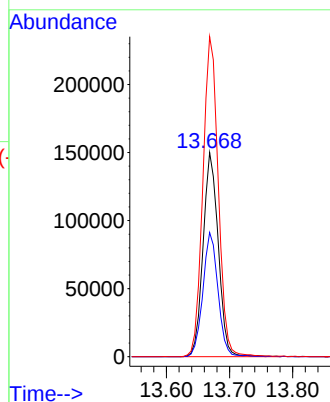
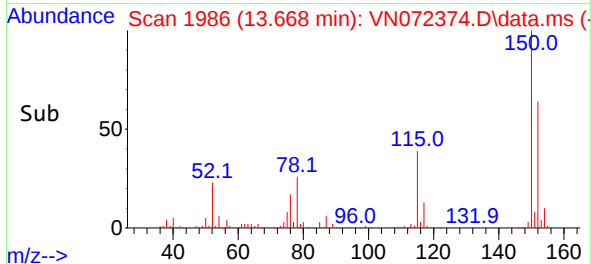


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

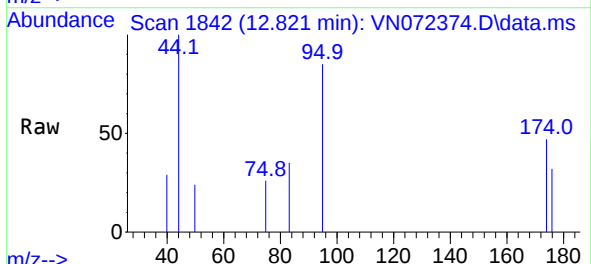
Instrument :
MSVOA_N
ClientSampleId :



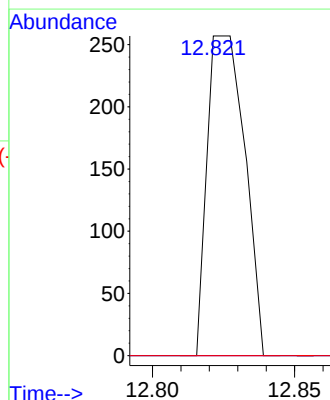
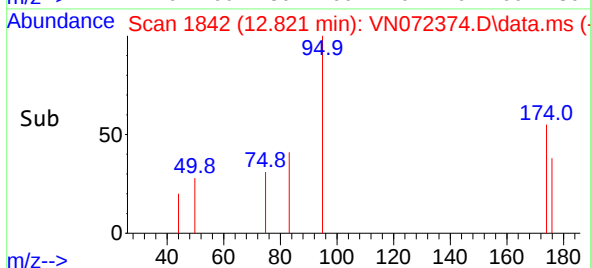
Tgt Ion:152 Resp: 249977
Ion Ratio Lower Upper
152 100
115 60.6 28.9 86.7
150 159.5 0.0 356.2

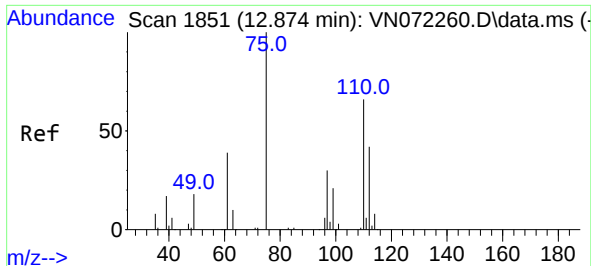


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.821 min Scan# 1842
Delta R.T. -0.001 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46



Tgt Ion: 83 Resp: 236
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#

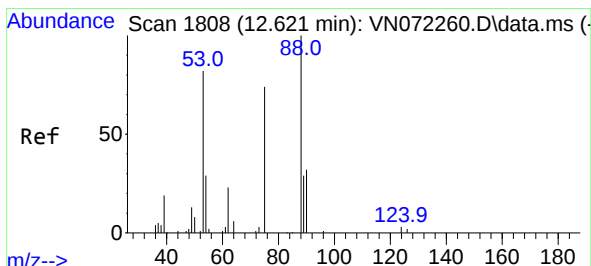
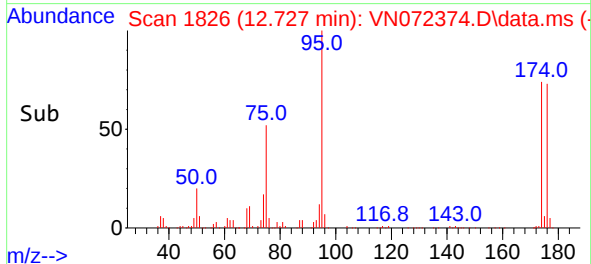
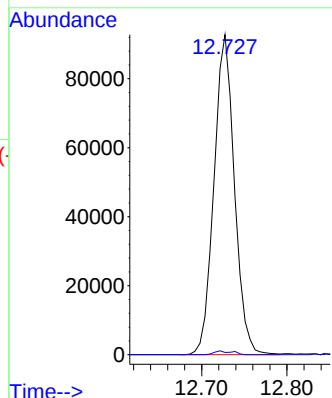
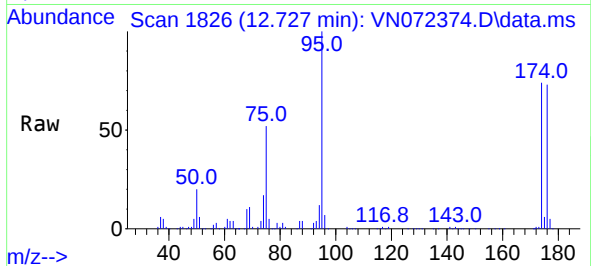




#76
1,2,3-Trichloropropane
Concen: 27.531 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

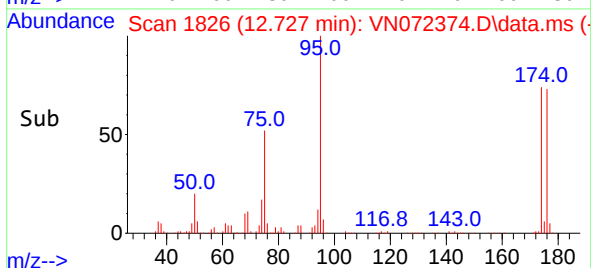
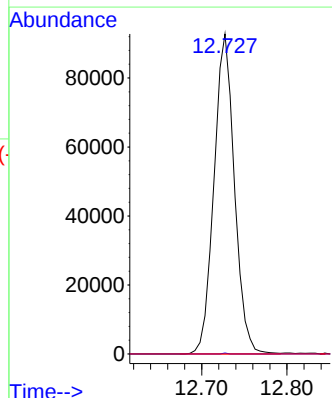
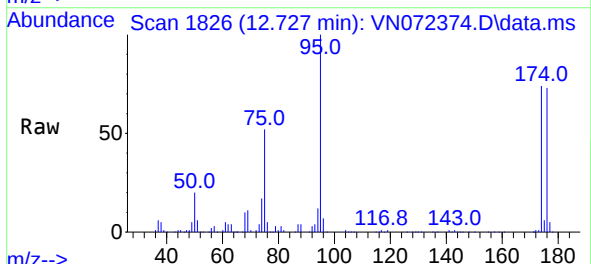
Instrument :
MSVOA_N
ClientSampleId :

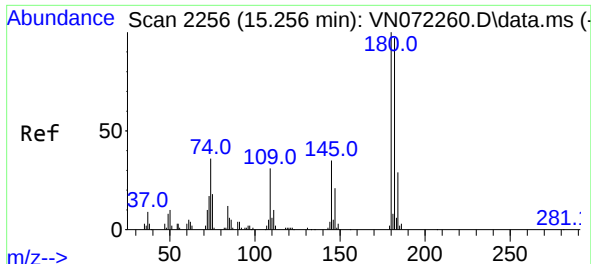
Tgt Ion: 75 Resp: 154638
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.527 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072374.D
Acq: 09 May 2022 12:46

Tgt Ion: 75 Resp: 154638
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 2.789 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.005 min

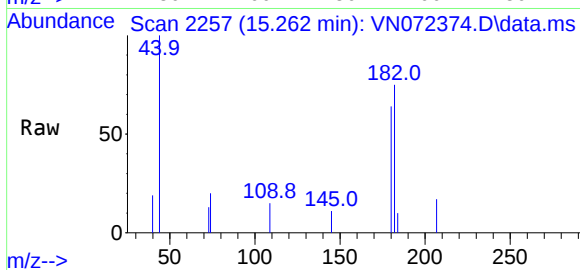
Lab File: VN072374.D

Acq: 09 May 2022 12:46

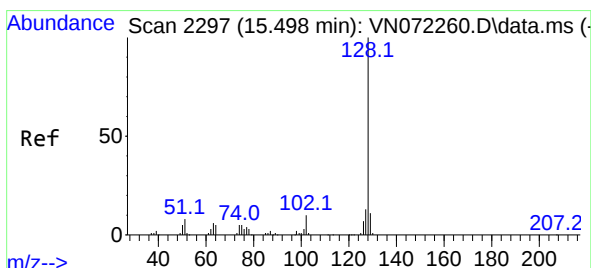
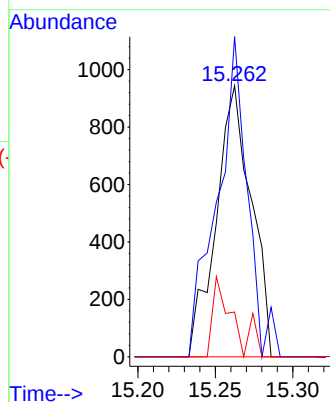
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	180	Resp:	1494
Ion	Ratio	Lower	Upper
180	100		
182	101.3	47.5	142.5
145	17.4	14.5	43.5



#95

Naphthalene

Concen: 4.689 ug/l

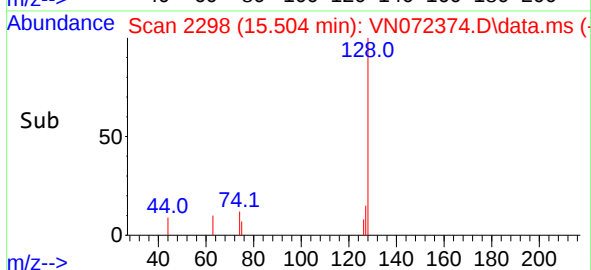
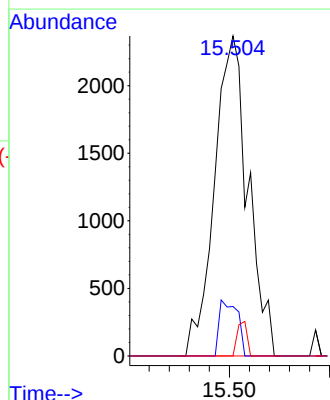
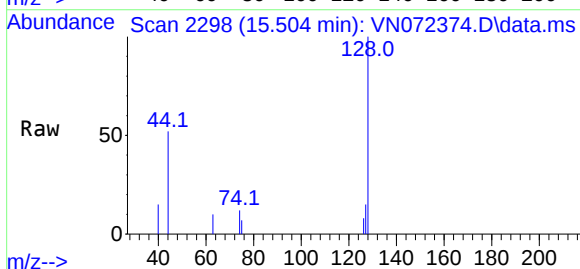
RT: 15.504 min Scan# 2298

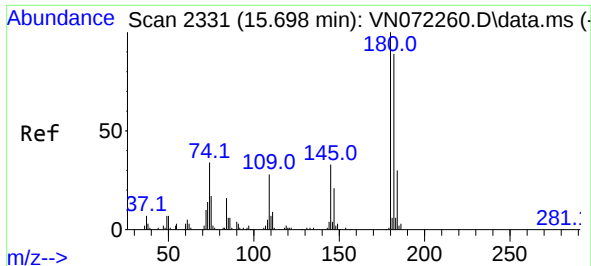
Delta R.T. 0.006 min

Lab File: VN072374.D

Acq: 09 May 2022 12:46

Tgt Ion:	128	Resp:	5514
Ion	Ratio	Lower	Upper
128	100		
127	9.4	10.3	15.5#
129	0.0	8.6	13.0#





#96

1,2,3-Trichlorobenzene

Concen: 3.005 ug/l

RT: 15.704 min Scan# 21

Delta R.T. 0.012 min

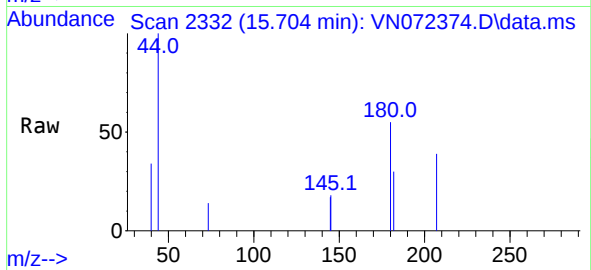
Lab File: VN072374.D

Acq: 09 May 2022 12:46

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 1345

Ion Ratio Lower Upper

180 100

182 90.9 47.8 143.3

145 23.6 15.5 46.5

