

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074247.D
 Acq On : 01 Sep 2022 17:08
 Operator : JC\MD
 Sample : N4329-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 05:39:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

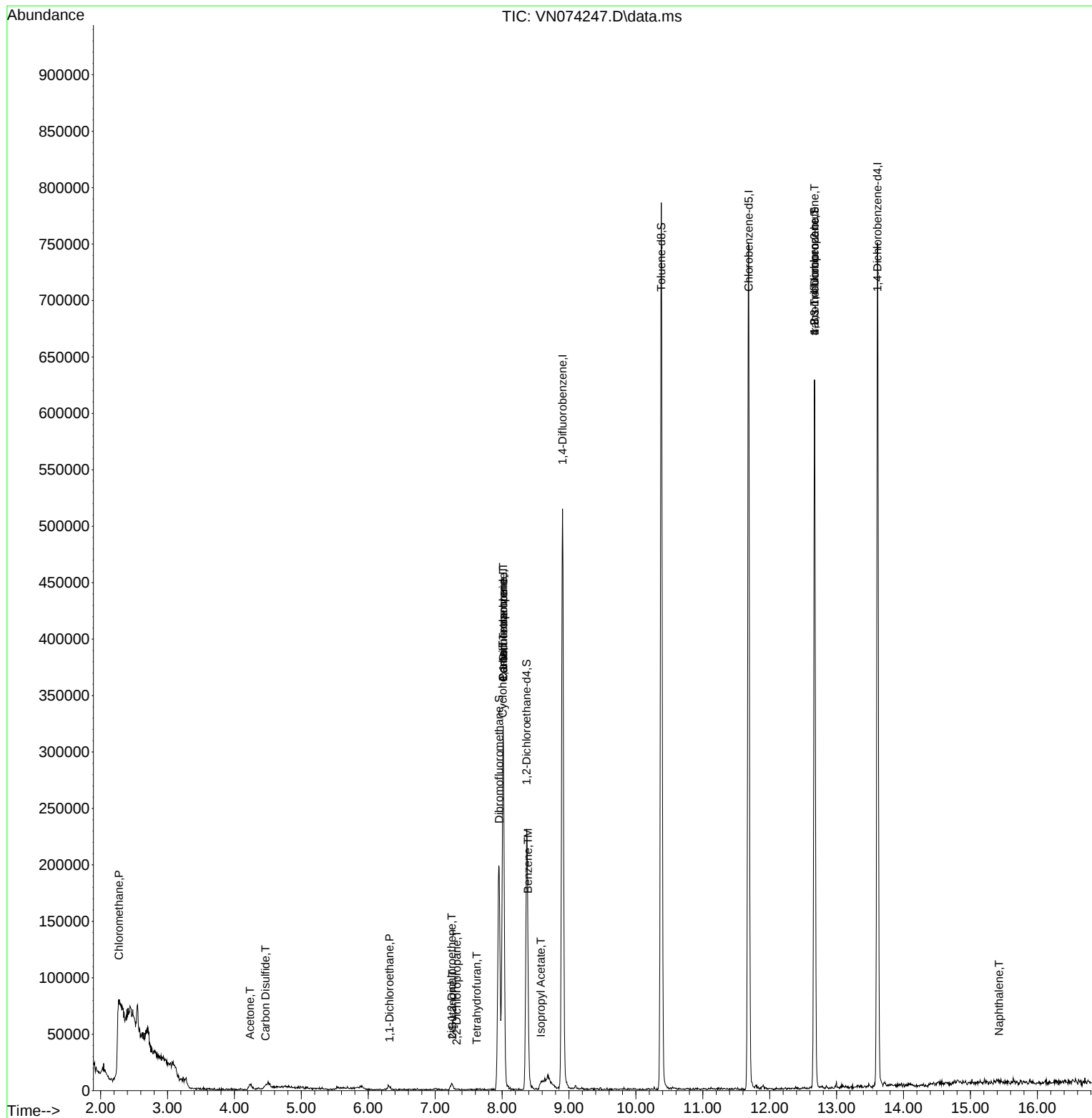
Internal Standards						
1) Pentafluorobenzene	8.016	168	231423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	425255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	409321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	185314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	173528	48.337	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.680%
35) Dibromofluoromethane	7.957	113	142371	51.449	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.900%
50) Toluene-d8	10.380	98	514118	47.177	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.360%
62) 4-Bromofluorobenzene	12.669	95	189967	57.322	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.640%
Target Compounds						
					Qvalue	
3) Chloromethane	2.275	50	5208	1.544	ug/l #	43
6) Chloroethane	3.204	64	749	Below Cal	#	42
11) Tert butyl alcohol	5.275	59	263	Below Cal	#	70
16) Acetone	4.234	43	9587	3.997	ug/l	97
17) Carbon Disulfide	4.463	76	6731	0.872	ug/l #	94
18) Methyl Acetate	4.763	43	1082	Below Cal	#	71
20) Methylene Chloride	5.022	84	373	Below Cal	#	60
24) 1,1-Dichloroethane	6.316	63	5099	0.838	ug/l #	82
25) 2-Butanone	7.257	43	1898	0.495	ug/l #	45
26) 2,2-Dichloropropane	7.322	77	62	0.284	ug/l #	53
27) cis-1,2-Dichloroethene	7.245	96	2592	0.741	ug/l	84
28) Bromochloromethane	7.316	49	65	Below Cal	#	8
29) Tetrahydrofuran	7.622	42	549	0.225	ug/l #	51
31) Cyclohexane	8.010	56	6935	1.169	ug/l #	52
36) 1,1-Dichloropropene	8.016	75	20302	4.522	ug/l #	49
38) Carbon Tetrachloride	8.016	117	24367	5.976	ug/l #	19
40) Benzene	8.386	78	2924	0.207	ug/l	94
43) Isopropyl Acetate	8.581	43	4217	0.418	ug/l #	53
76) 1,2,3-Trichloropropane	12.669	75	110648	23.941	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	110648	61.976	ug/l #	11
95) Naphthalene	15.427	128	2162	1.301	ug/l #	80

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

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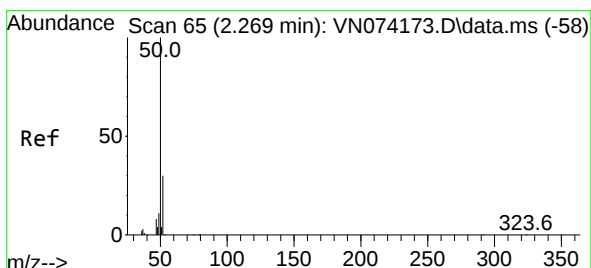
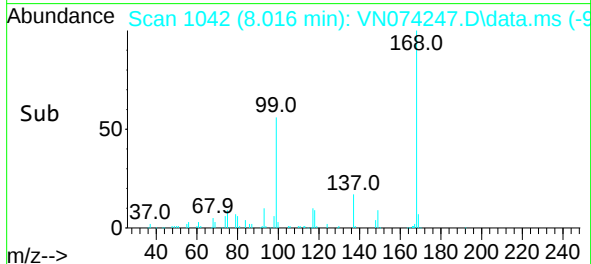
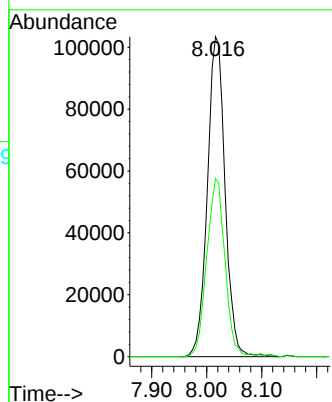
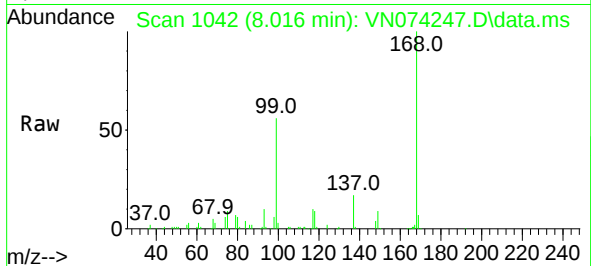




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

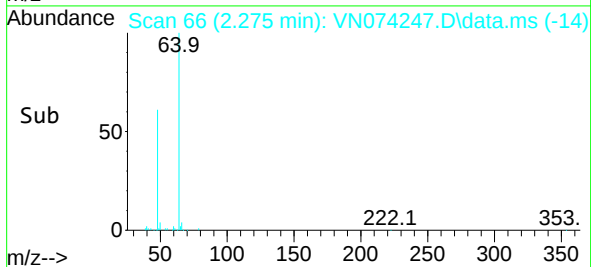
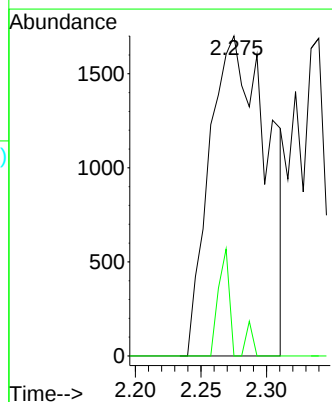
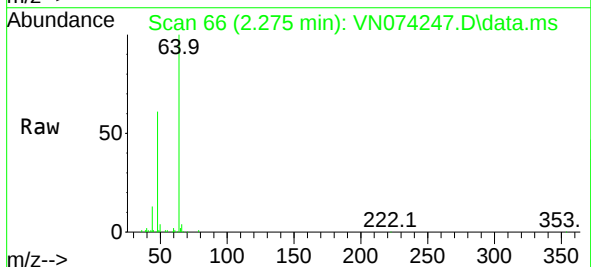
Instrument :
MSVOA_N
ClientSampleId :

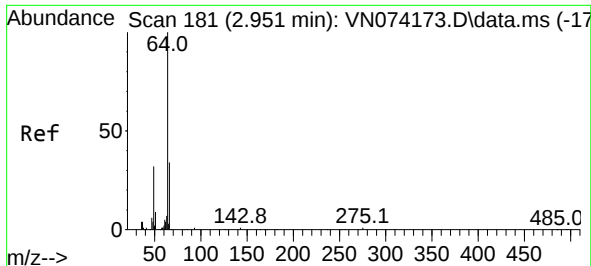
Tgt Ion:168 Resp: 231423
Ion Ratio Lower Upper
168 100
99 55.6 42.3 63.5



#3
Chloromethane
Concen: 1.544 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

Tgt Ion: 50 Resp: 5208
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

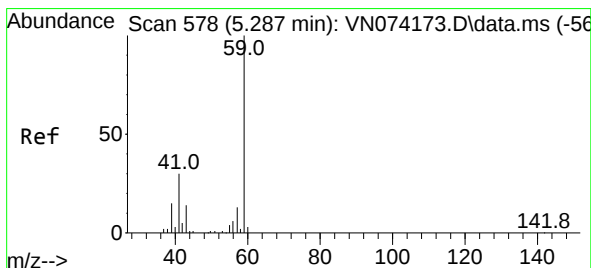
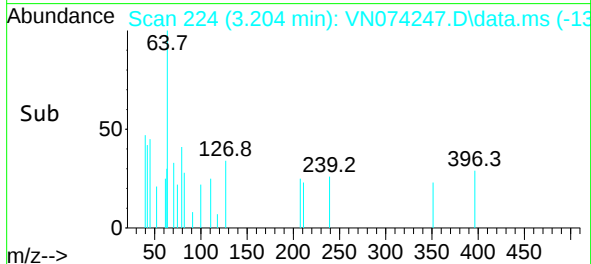
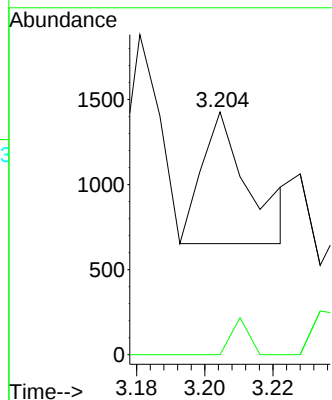
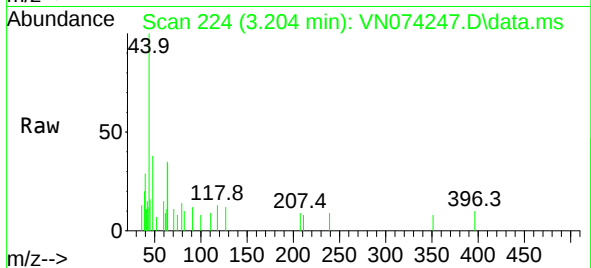




#6
Chloroethane
Concen: Below Cal
RT: 3.204 min Scan# 21
Delta R.T. 0.253 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

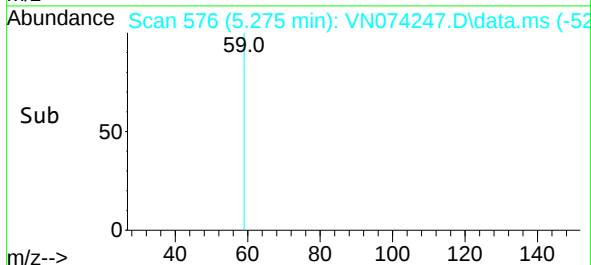
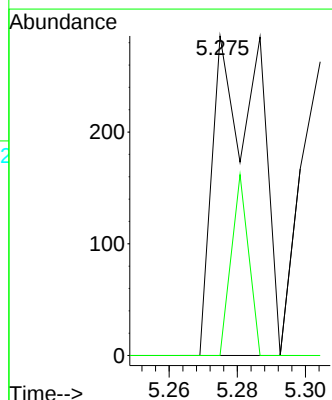
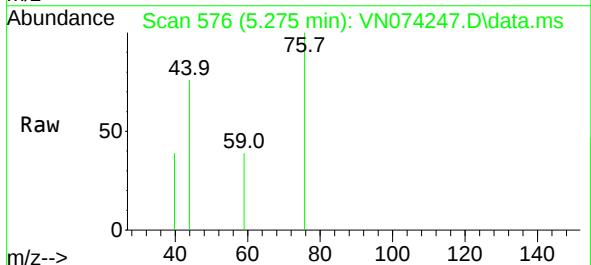
Instrument :
MSVOA_N
ClientSampleId :

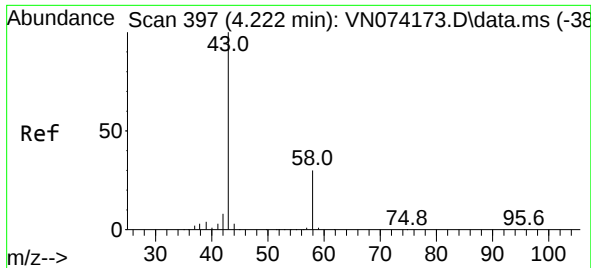
Tgt Ion: 64 Resp: 749
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.275 min Scan# 576
Delta R.T. -0.012 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 21.7 8.3 12.5#

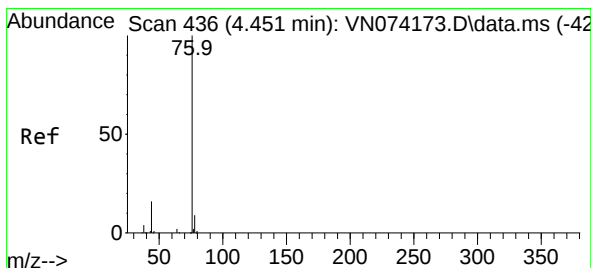
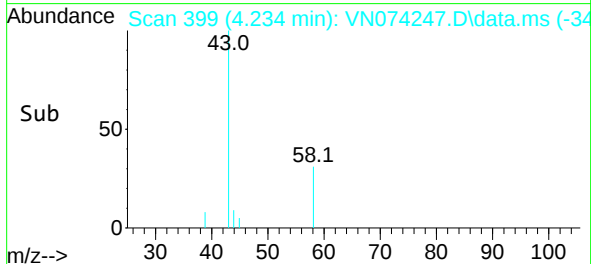
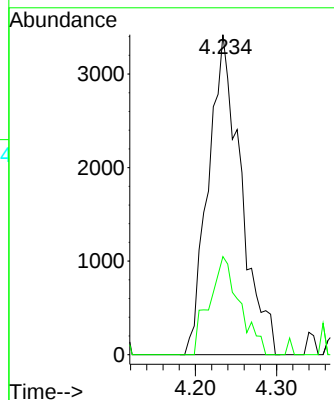
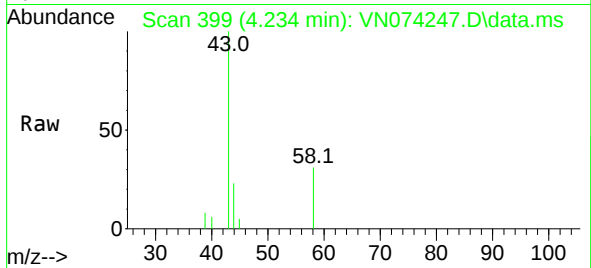




#16
Acetone
Concen: 3.997 ug/l
RT: 4.234 min Scan# 397
Delta R.T. 0.012 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

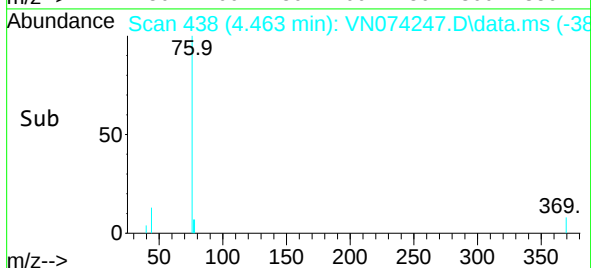
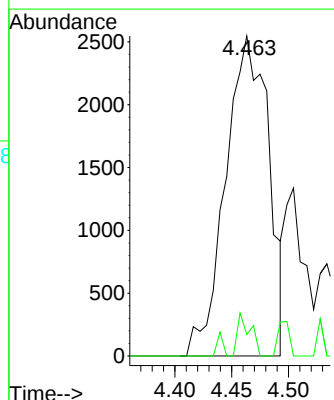
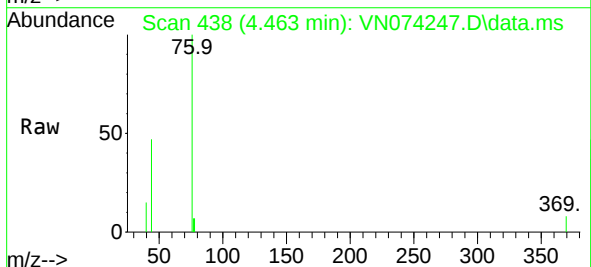
Instrument :
MSVOA_N
ClientSampleId :

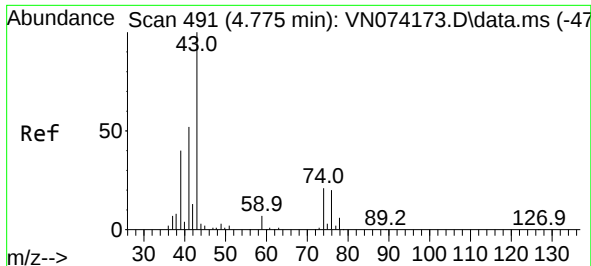
Tgt Ion: 43 Resp: 9587
Ion Ratio Lower Upper
43 100
58 30.6 26.0 39.0



#17
Carbon Disulfide
Concen: 0.872 ug/l
RT: 4.463 min Scan# 438
Delta R.T. 0.012 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

Tgt Ion: 76 Resp: 6731
Ion Ratio Lower Upper
76 100
78 6.7 7.2 10.8#

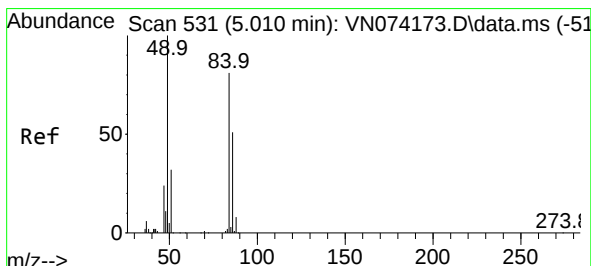
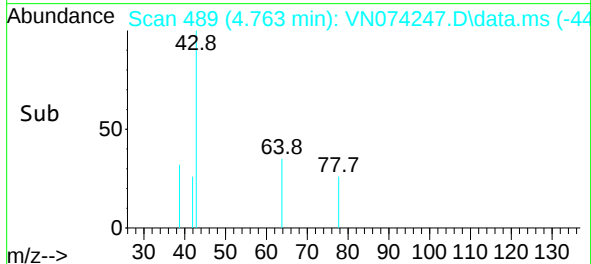
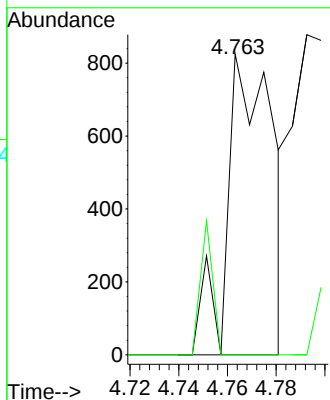
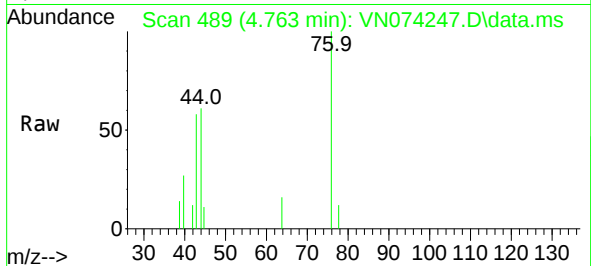




#18
Methyl Acetate
Concen: Below Cal
RT: 4.763 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

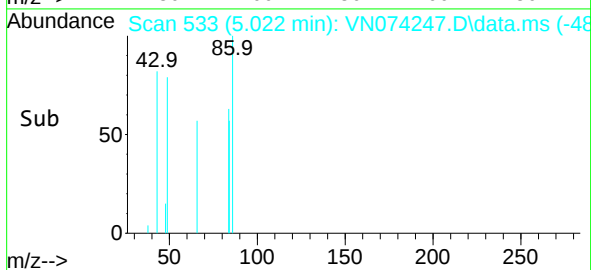
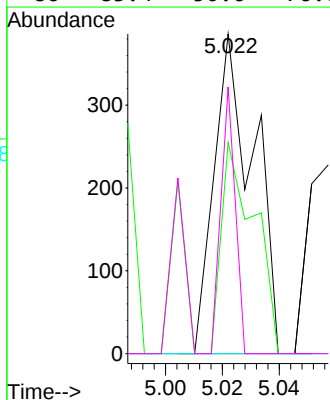
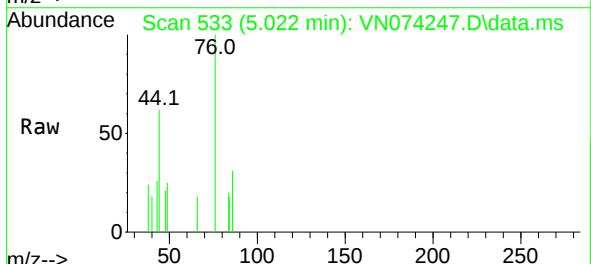
Instrument :
MSVOA_N
ClientSampleId :

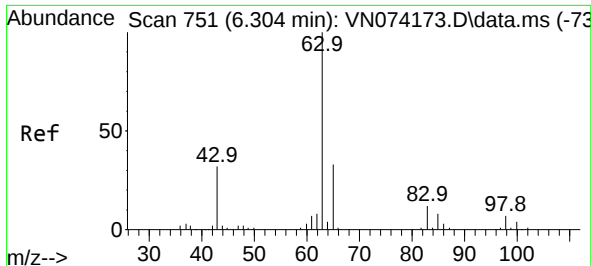
Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
74 12.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

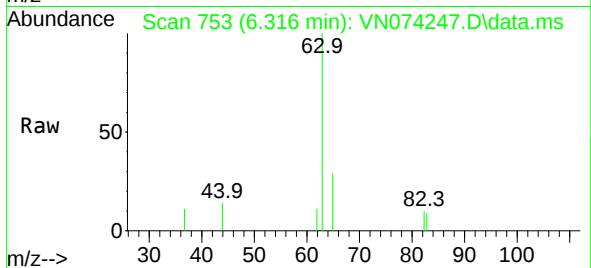
Tgt Ion: 84 Resp: 373
Ion Ratio Lower Upper
84 100
49 66.1 88.3 132.5#
51 0.0 28.2 42.2#
86 83.4 50.6 76.0#



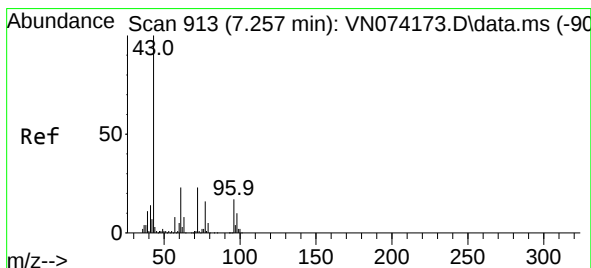
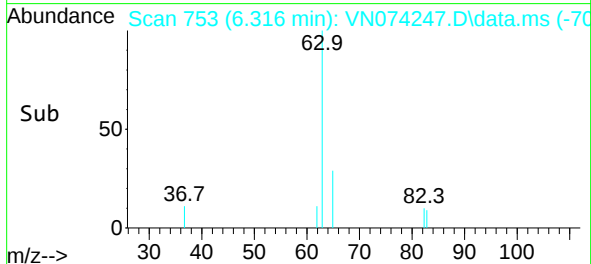
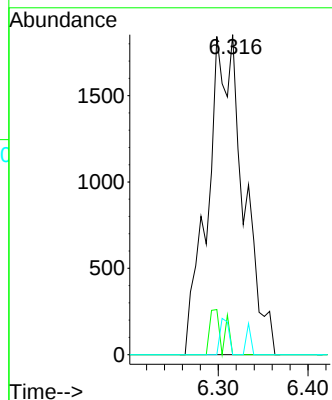


#24
 1,1-Dichloroethane
 Concen: 0.838 ug/l
 RT: 6.316 min Scan# 71
 Delta R.T. 0.012 min
 Lab File: VN074247.D
 Acq: 01 Sep 2022 17:08

Instrument :
 MSVOA_N
 ClientSampleId :

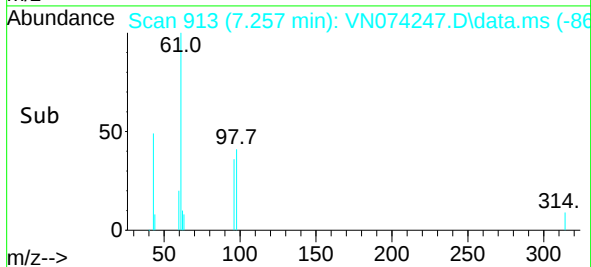
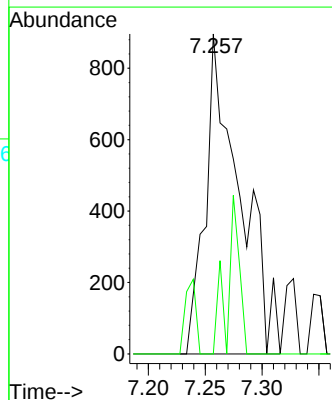
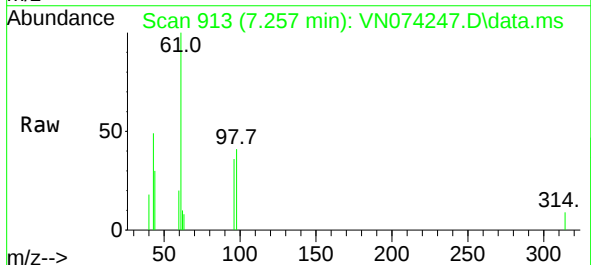


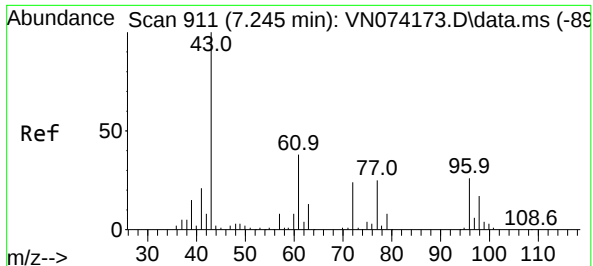
Tgt Ion: 63 Resp: 5099
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.4#
 100 0.0 2.3 6.8#



#25
 2-Butanone
 Concen: 0.495 ug/l
 RT: 7.257 min Scan# 913
 Delta R.T. 0.000 min
 Lab File: VN074247.D
 Acq: 01 Sep 2022 17:08

Tgt Ion: 43 Resp: 1898
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.284 ug/l

RT: 7.322 min Scan# 911

Delta R.T. 0.077 min

Lab File: VN074247.D

Acq: 01 Sep 2022 17:08

Instrument :

MSVOA_N

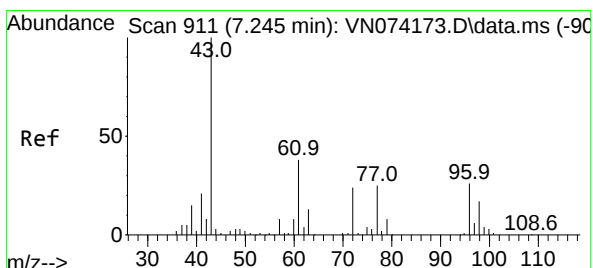
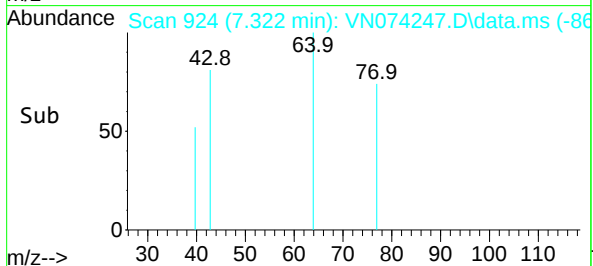
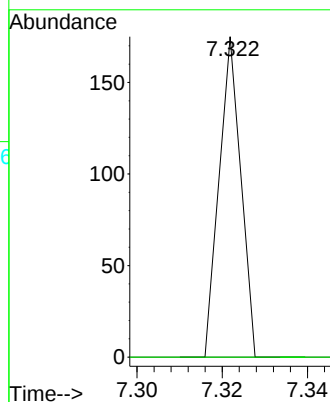
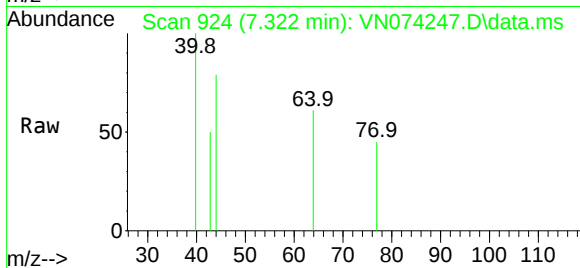
ClientSampleId :

Tgt Ion: 77 Resp: 62

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#27

cis-1,2-Dichloroethene

Concen: 0.741 ug/l

RT: 7.245 min Scan# 911

Delta R.T. 0.000 min

Lab File: VN074247.D

Acq: 01 Sep 2022 17:08

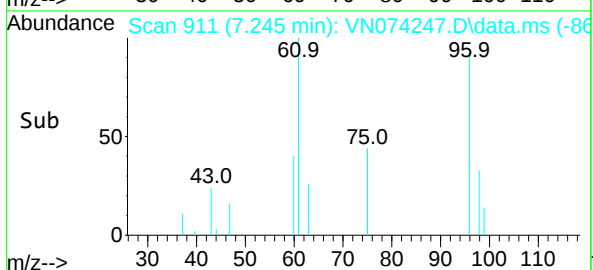
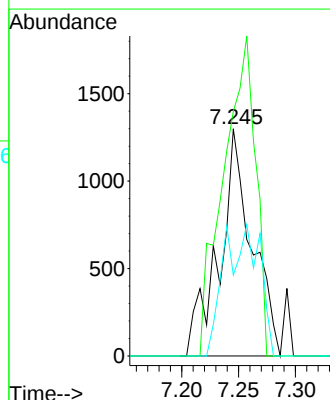
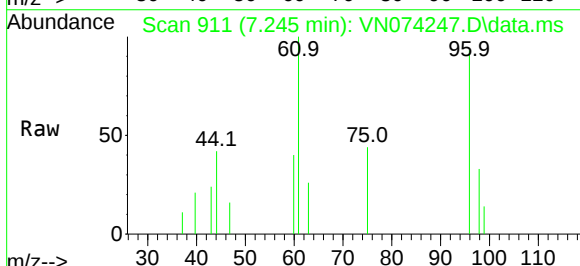
Tgt Ion: 96 Resp: 2592

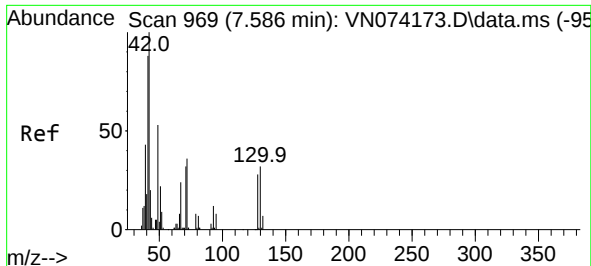
Ion Ratio Lower Upper

96 100

61 139.1 0.0 280.6

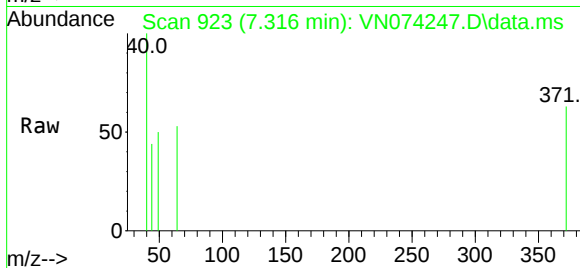
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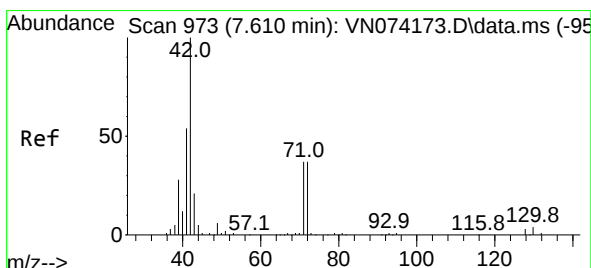
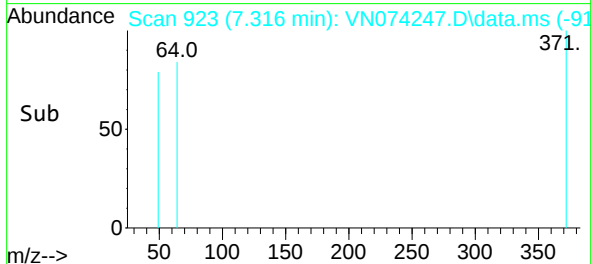
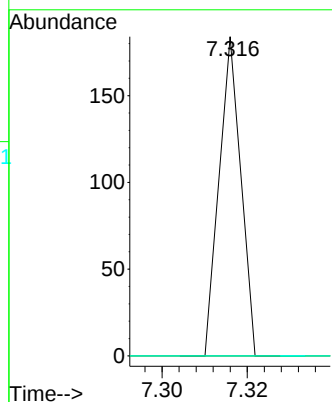


#28
Bromochloromethane
Concen: Below Cal
RT: 7.316 min Scan# 91
Delta R.T. -0.270 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

Instrument :
MSVOA_N
ClientSampleId :

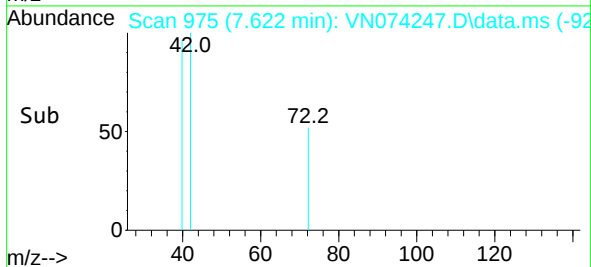
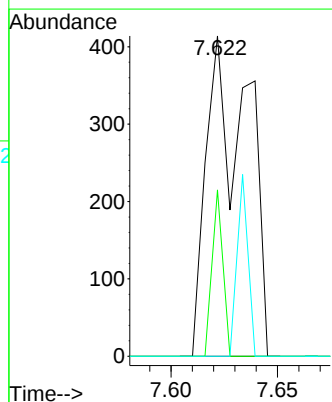
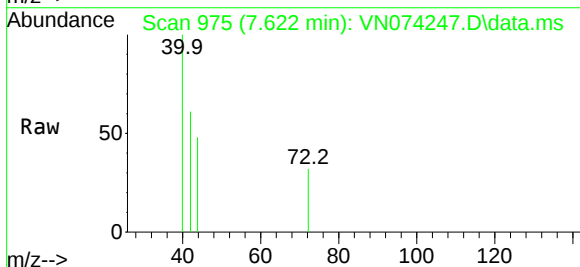


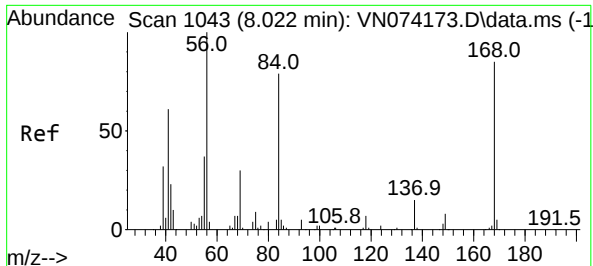
Tgt Ion: 49 Resp: 65
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#29
Tetrahydrofuran
Concen: 0.225 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

Tgt Ion: 42 Resp: 549
Ion Ratio Lower Upper
42 100
72 13.8 39.7 59.5#
71 15.1 36.6 55.0#





#31

Cyclohexane

Concen: 1.169 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

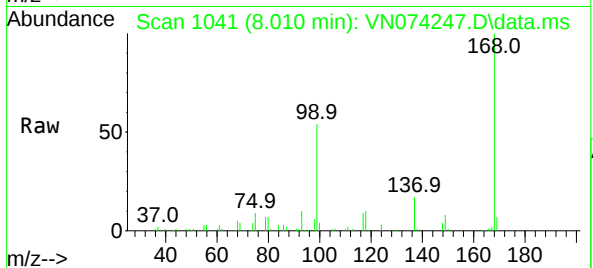
Lab File: VN074247.D

Acq: 01 Sep 2022 17:08

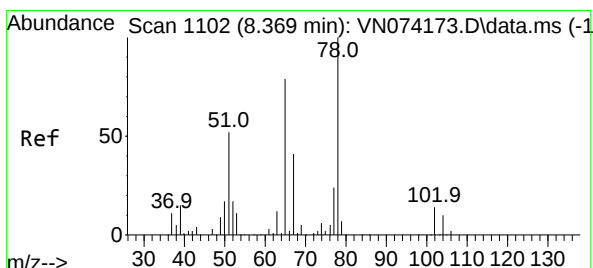
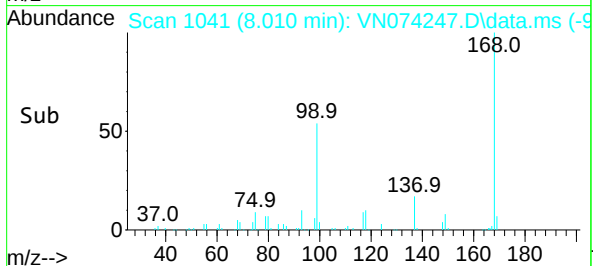
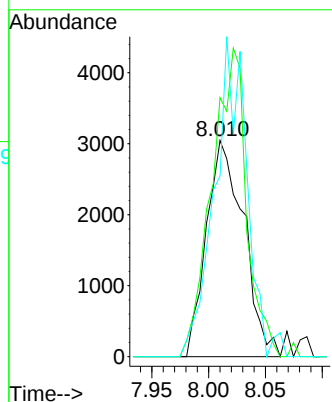
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	6935
Ion Ratio	Lower	Upper	
56	100		
69	119.8	27.8	41.8#
84	83.6	76.9	115.3



#33

1,2-Dichloroethane-d4

Concen: 48.337 ug/l

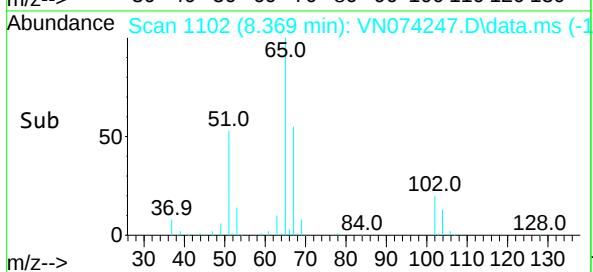
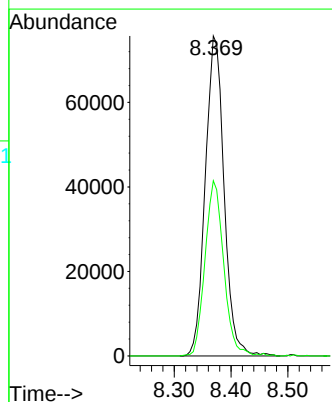
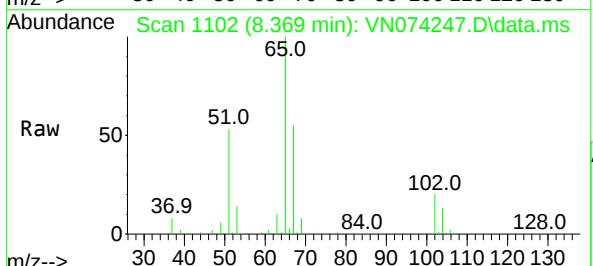
RT: 8.369 min Scan# 1102

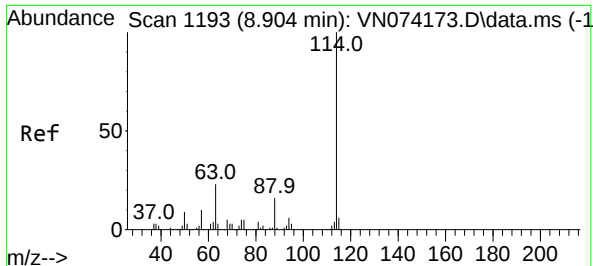
Delta R.T. 0.000 min

Lab File: VN074247.D

Acq: 01 Sep 2022 17:08

Tgt Ion:	65	Resp:	173528
Ion Ratio	Lower	Upper	
65	100		
67	54.5	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074247.D

Acq: 01 Sep 2022 17:08

Instrument :

MSVOA_N

ClientSampleId :

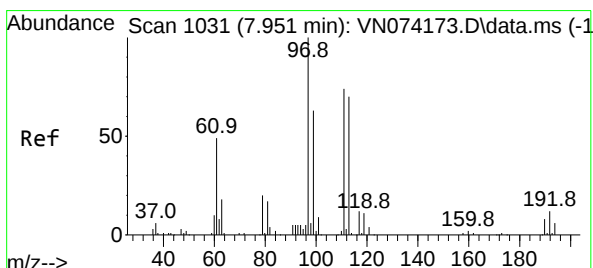
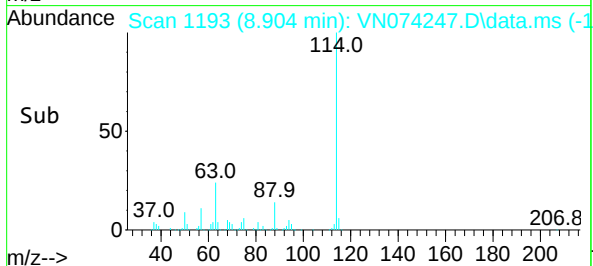
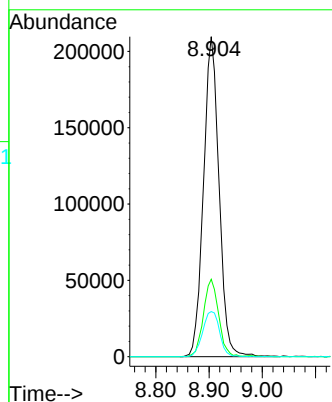
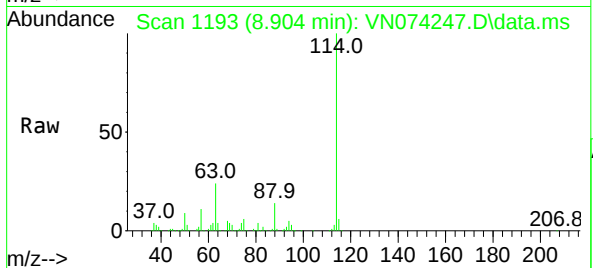
Tgt Ion:114 Resp: 425255

Ion Ratio Lower Upper

114 100

63 24.2 0.0 40.0

88 14.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.449 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN074247.D

Acq: 01 Sep 2022 17:08

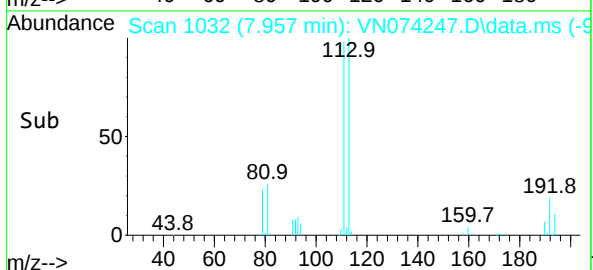
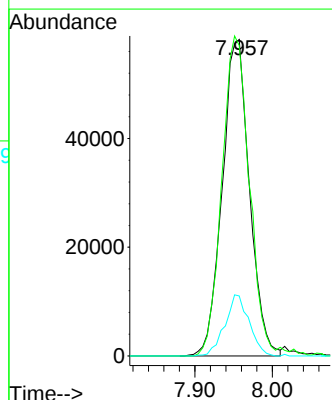
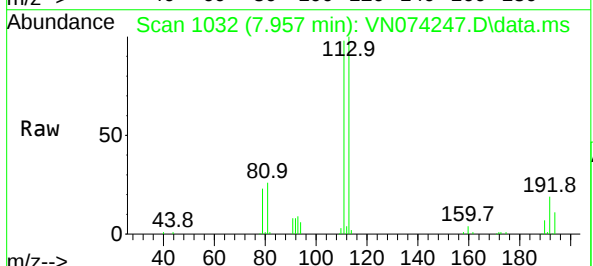
Tgt Ion:113 Resp: 142371

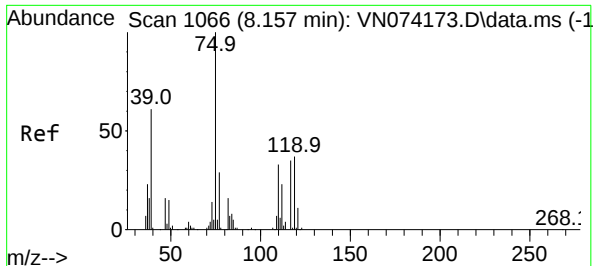
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 17.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.522 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

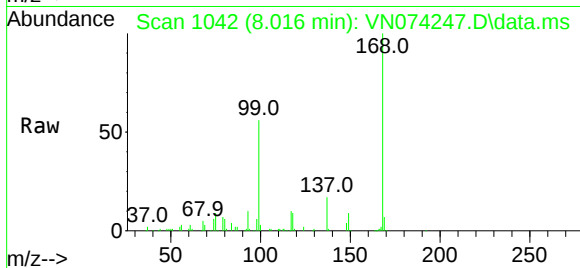
Lab File: VN074247.D

Acq: 01 Sep 2022 17:08

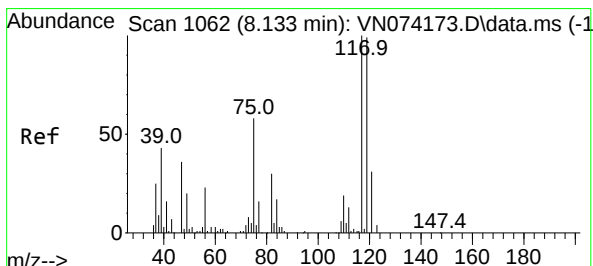
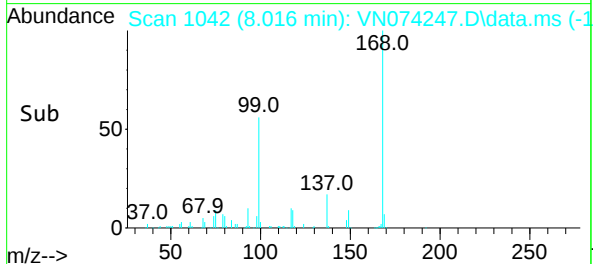
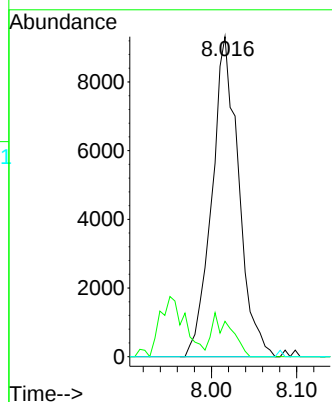
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	20302
Ion Ratio	Lower	Upper	
75	100		
110	9.8	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 5.976 ug/l

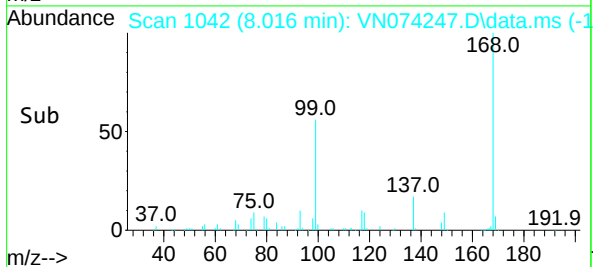
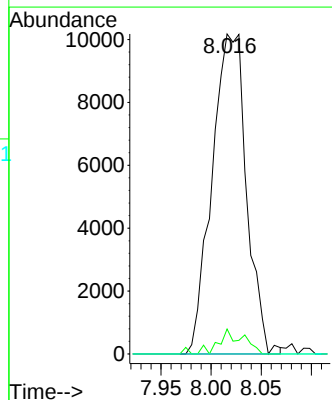
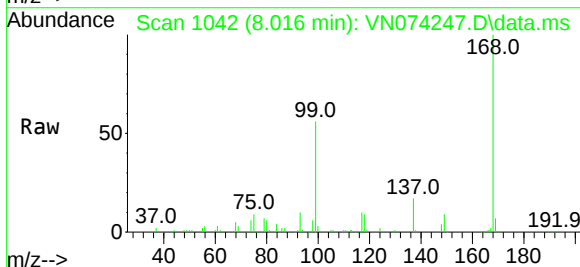
RT: 8.016 min Scan# 1042

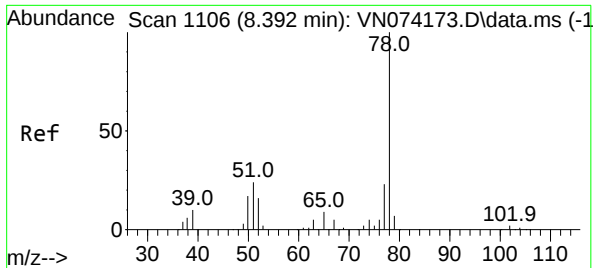
Delta R.T. -0.117 min

Lab File: VN074247.D

Acq: 01 Sep 2022 17:08

Tgt Ion:	117	Resp:	24367
Ion Ratio	Lower	Upper	
117	100		
119	7.8	75.8	113.8#
121	0.0	24.6	37.0#

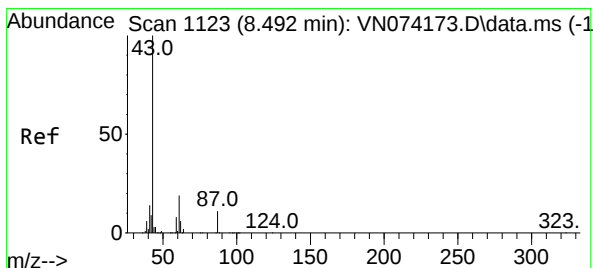
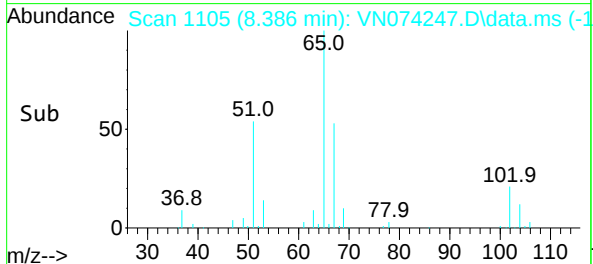
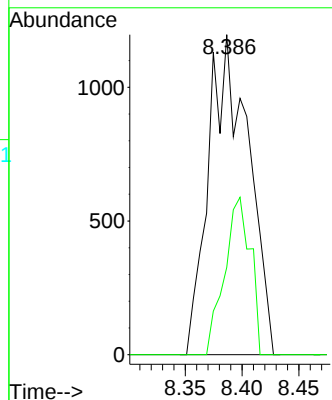
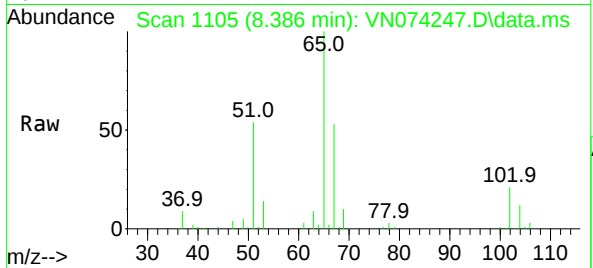




#40
Benzene
Concen: 0.207 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

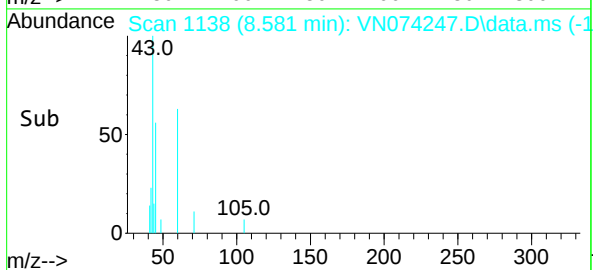
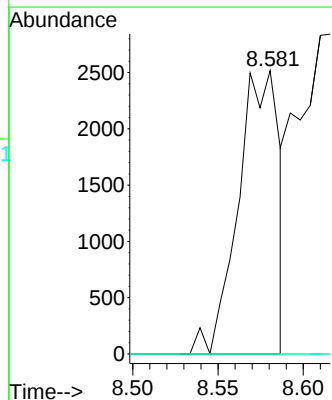
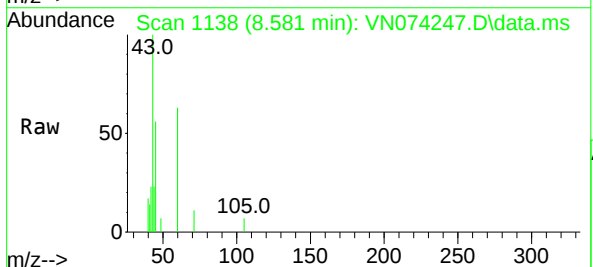
Instrument :
MSVOA_N
ClientSampleId :

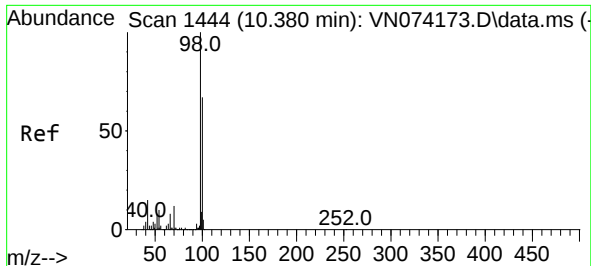
Tgt Ion: 78 Resp: 2924
Ion Ratio Lower Upper
78 100
77 27.3 19.4 29.0



#43
Isopropyl Acetate
Concen: 0.418 ug/l
RT: 8.581 min Scan# 1138
Delta R.T. 0.088 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

Tgt Ion: 43 Resp: 4217
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

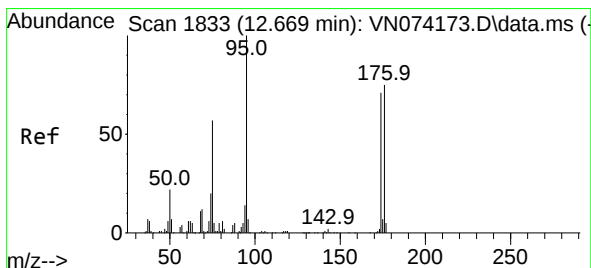
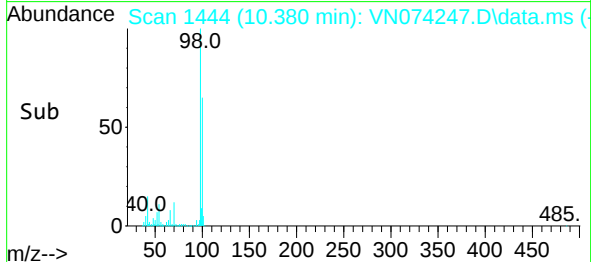
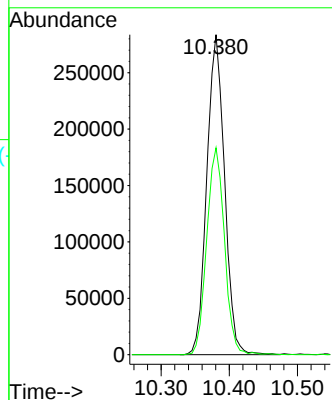
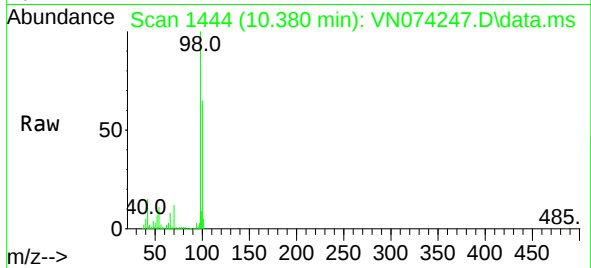




#50
Toluene-d8
Concen: 47.177 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

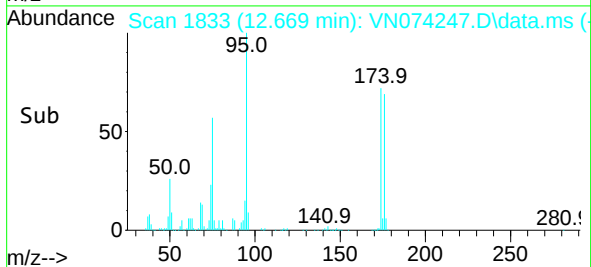
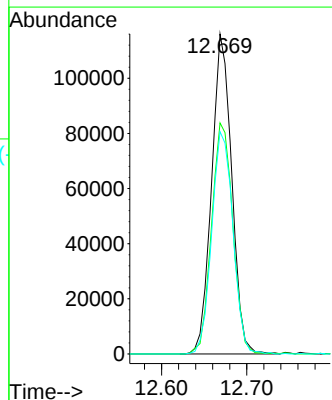
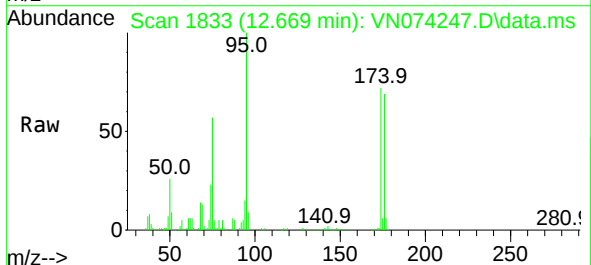
Instrument :
MSVOA_N
ClientSampleId :

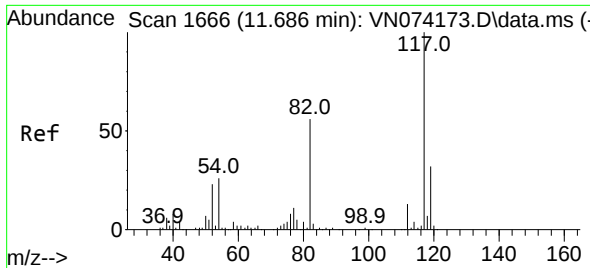
Tgt Ion: 98 Resp: 514118
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 57.322 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

Tgt Ion: 95 Resp: 189967
Ion Ratio Lower Upper
95 100
174 76.3 0.0 167.6
176 73.3 0.0 163.4

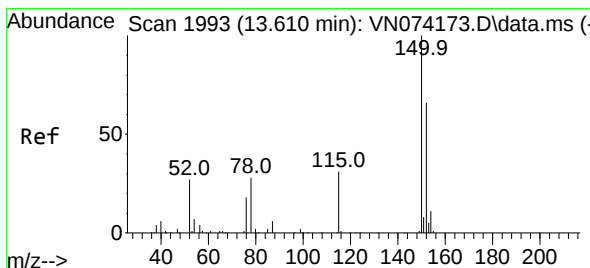
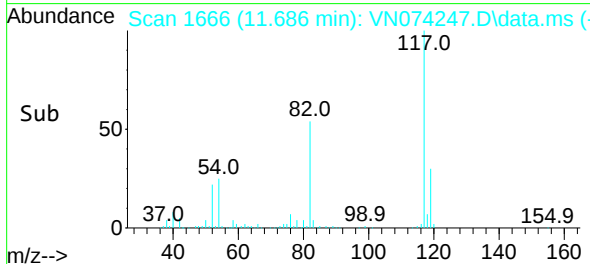
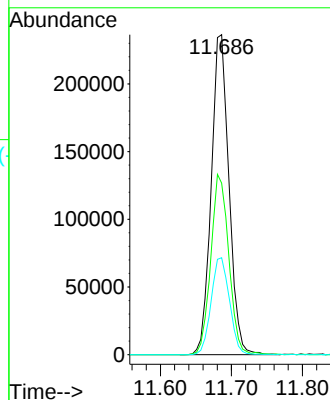
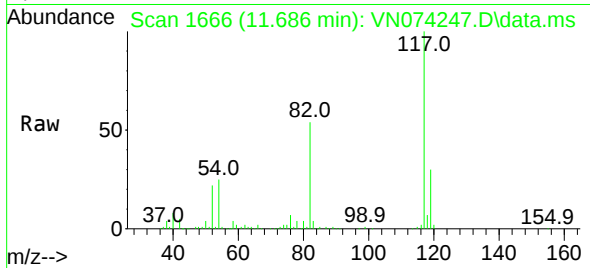




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

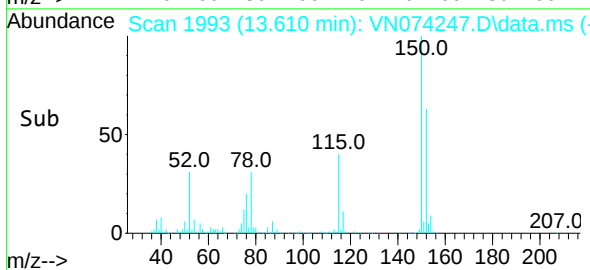
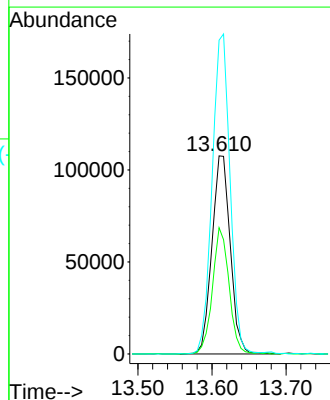
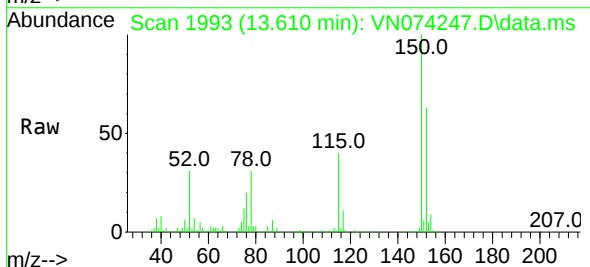
Instrument :
MSVOA_N
ClientSampleId :

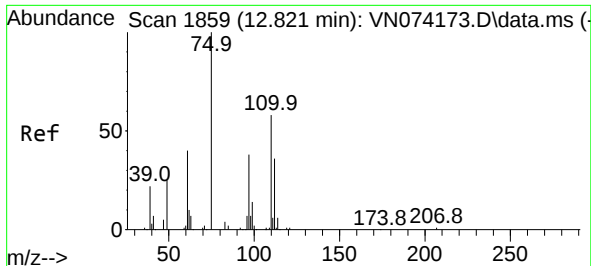
Tgt Ion:117 Resp: 409321
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 30.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

Tgt Ion:152 Resp: 185314
Ion Ratio Lower Upper
152 100
115 57.4 28.9 86.7
150 157.1 0.0 356.2

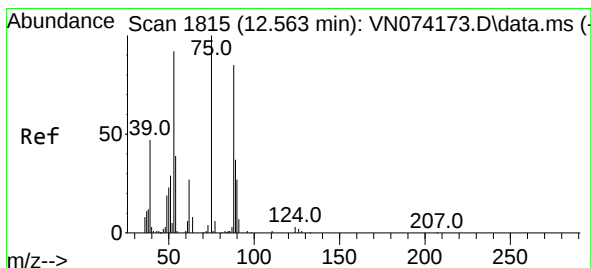
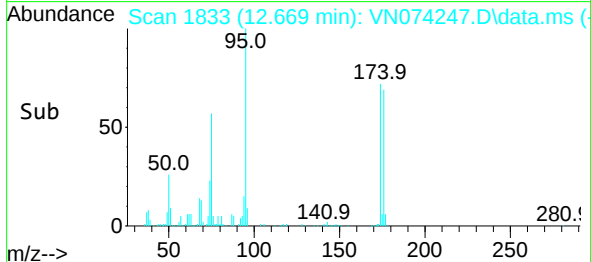
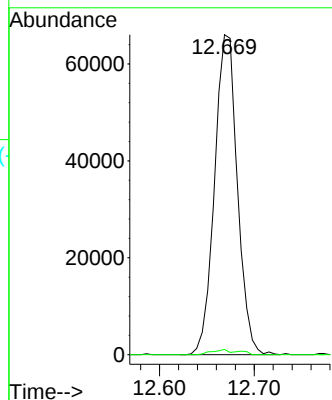
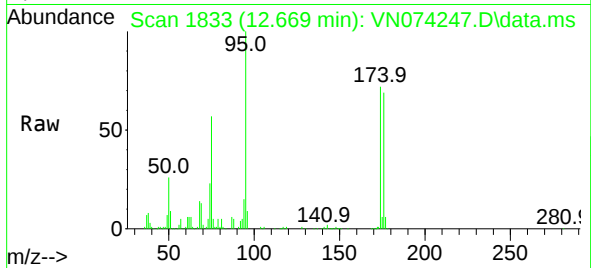




#76
1,2,3-Trichloropropane
Concen: 23.941 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

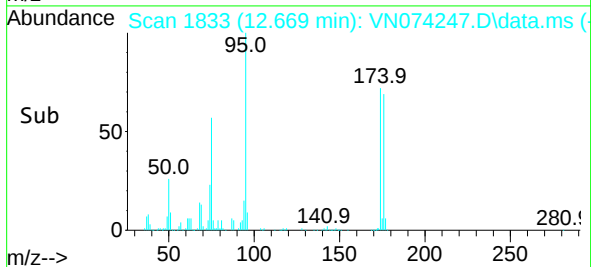
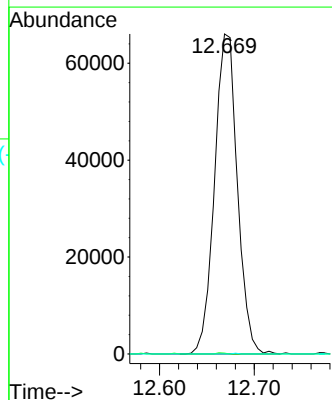
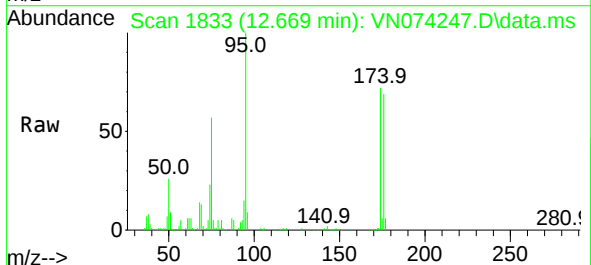
Instrument :
MSVOA_N
ClientSampleId :

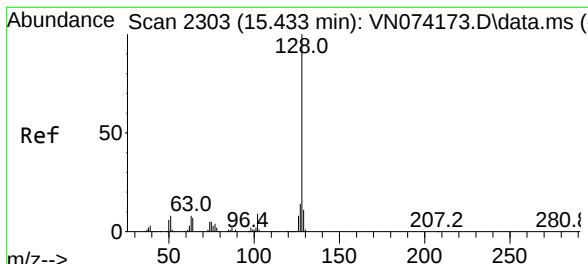
Tgt Ion: 75 Resp: 110648
Ion Ratio Lower Upper
75 100
77 1.8 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.976 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074247.D
Acq: 01 Sep 2022 17:08

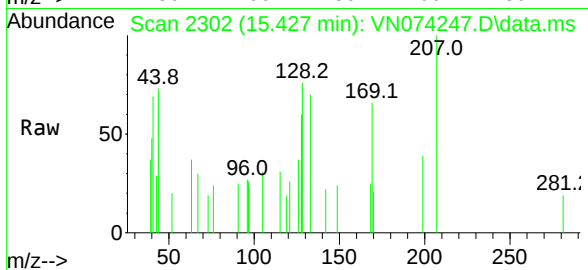
Tgt Ion: 75 Resp: 110648
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#





#95
 Naphthalene
 Concen: 1.301 ug/l
 RT: 15.427 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074247.D
 Acq: 01 Sep 2022 17:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	2162
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	9.1	8.6	13.0

