

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074269.D
 Acq On : 02 Sep 2022 02:55
 Operator : JC\MD
 Sample : N4354-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 05:44:54 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)

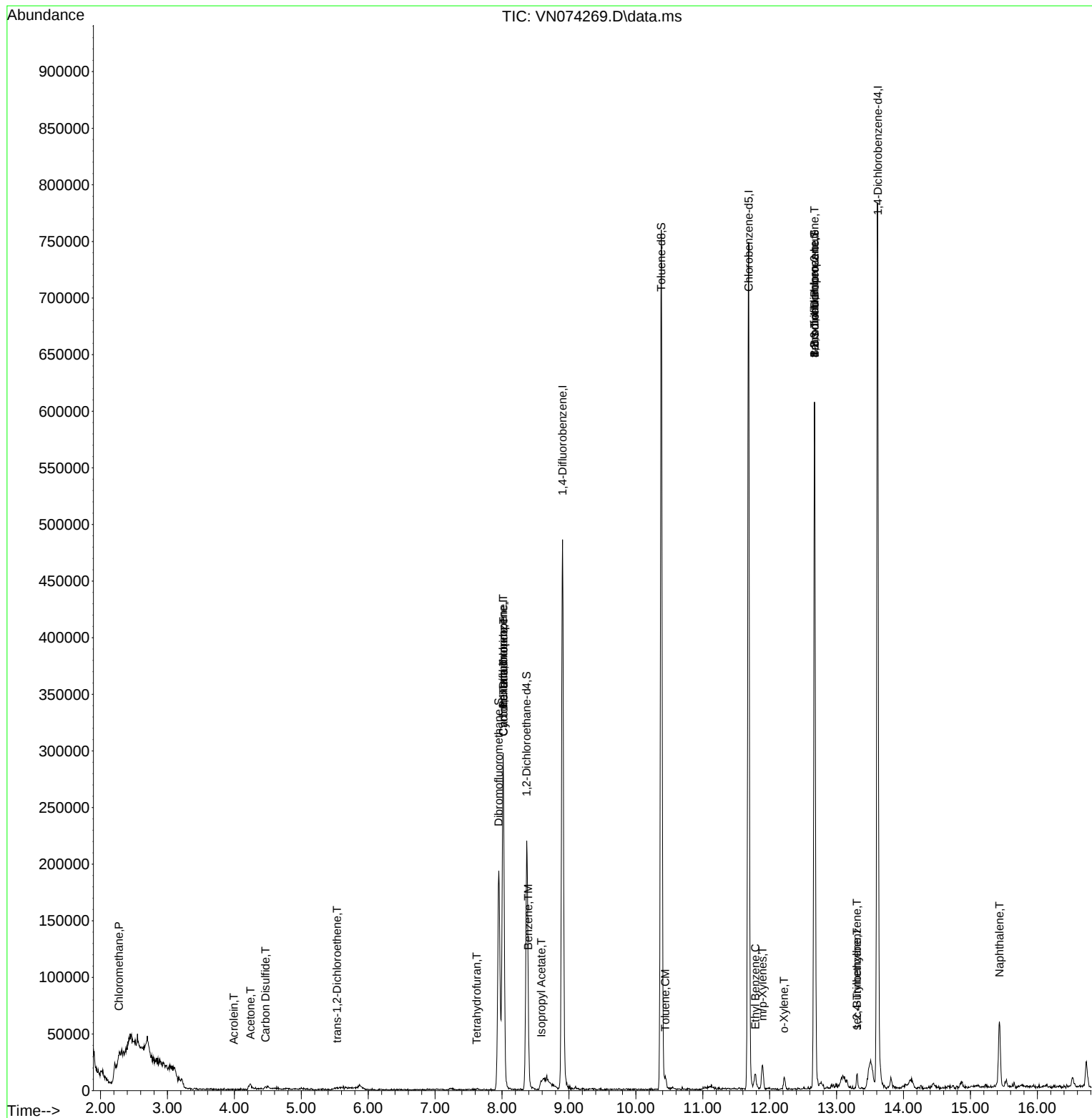
Internal Standards						
1) Pentafluorobenzene	8.016	168	217199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	405892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	394246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	183938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	163604	48.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.120%		
35) Dibromofluoromethane	7.951	113	135480	51.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.580%		
50) Toluene-d8	10.381	98	479775	46.126	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.260%		
62) 4-Bromofluorobenzene	12.669	95	185877	58.763	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.520%		
Target Compounds					Qvalue	
3) Chloromethane	2.275	50	1862	0.588	ug/l	91
6) Chloroethane	3.169	64	993	Below Cal	#	71
11) Tert butyl alcohol	5.281	59	229	Below Cal	#	72
13) Acrolein	3.993	56	270	0.363	ug/l #	16
16) Acetone	4.240	43	9845	4.373	ug/l #	76
17) Carbon Disulfide	4.463	76	4218	0.582	ug/l #	75
18) Methyl Acetate	4.781	43	1095	Below Cal	#	77
20) Methylene Chloride	5.010	84	206	Below Cal	#	56
21) trans-1,2-Dichloroethene	5.534	96	1113	0.379	ug/l #	19
29) Tetrahydrofuran	7.622	42	577	0.252	ug/l #	50
31) Cyclohexane	8.022	56	6811	1.223	ug/l #	52
36) 1,1-Dichloropropene	8.016	75	21152	4.936	ug/l #	47
38) Carbon Tetrachloride	8.022	117	20672	5.314	ug/l #	15
40) Benzene	8.392	78	3660	0.272	ug/l #	90
43) Isopropyl Acetate	8.587	43	6367	0.661	ug/l #	53
52) Toluene	10.439	92	3790	0.478	ug/l #	74
67) Ethyl Benzene	11.786	91	7972	0.501	ug/l #	84
68) m/p-Xylenes	11.892	106	6746	1.141	ug/l	99
69) o-Xylene	12.216	106	3241	0.550	ug/l	85
71) Bromoform	12.669	173	1834	0.687	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	107185	23.312	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	107185	60.485	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.304	105	6113	0.494	ug/l	88
85) sec-Butylbenzene	13.304	105	6113	0.398	ug/l #	56
95) Naphthalene	15.433	128	56663	5.117	ug/l	96

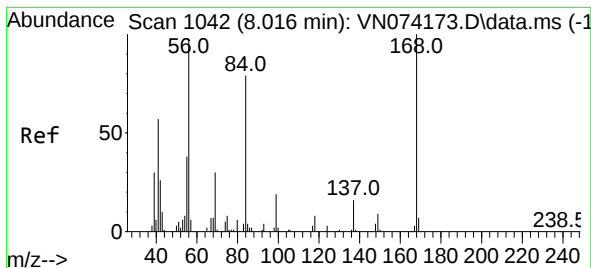
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
Data File : VN074269.D
Acq On : 02 Sep 2022 02:55
Operator : JC\MD
Sample : N4354-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 02 05:44:54 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

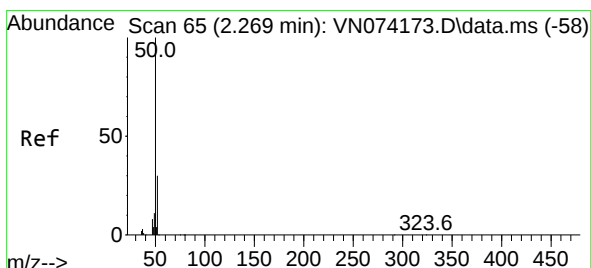
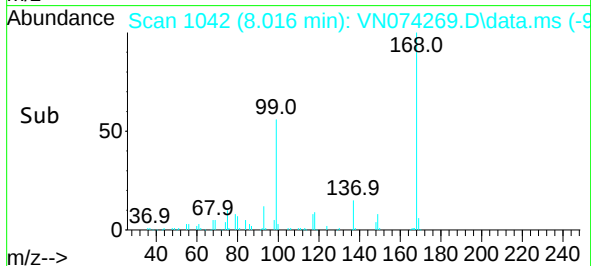
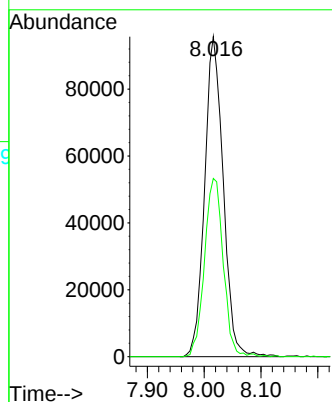
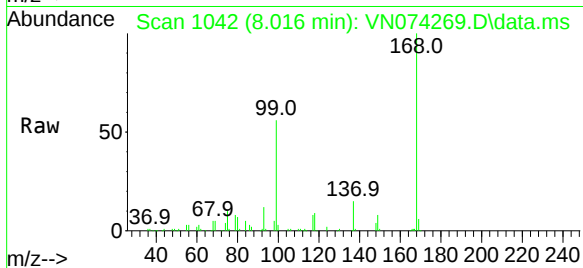




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

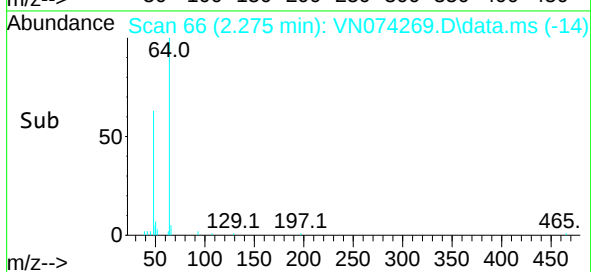
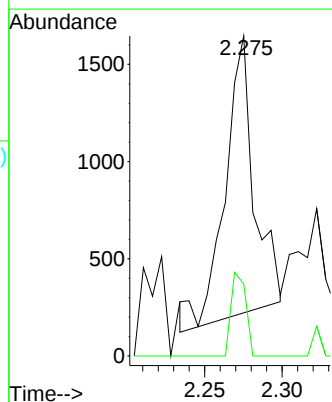
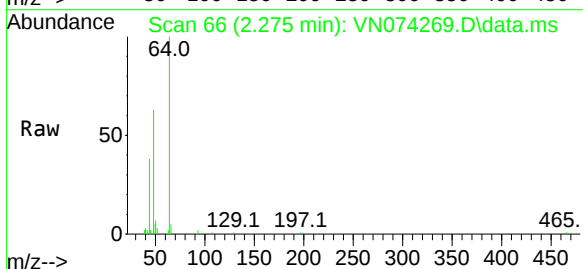
Instrument :
MSVOA_N
ClientSampleId :

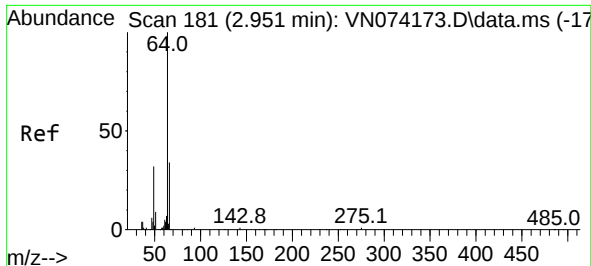
Tgt Ion:168 Resp: 217199
Ion Ratio Lower Upper
168 100
99 55.7 42.3 63.5



#3
Chloromethane
Concen: 0.588 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Tgt Ion: 50 Resp: 1862
Ion Ratio Lower Upper
50 100
52 27.1 25.7 38.5

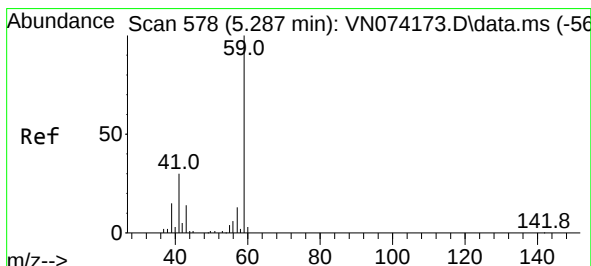
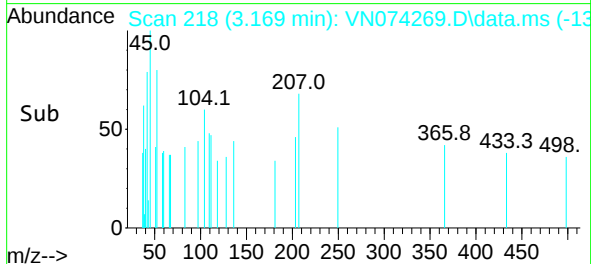
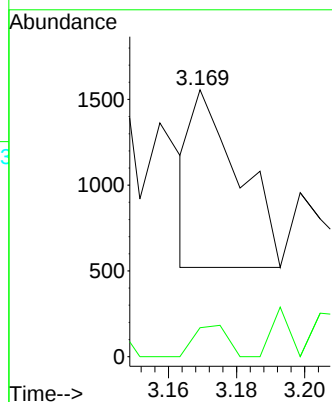
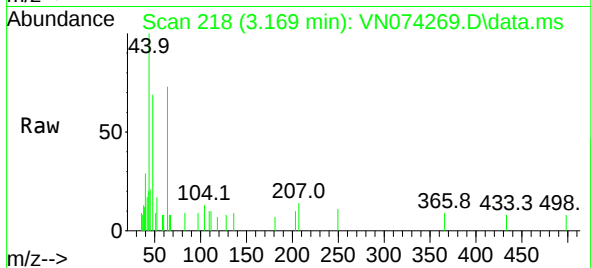




#6
Chloroethane
Concen: Below Cal
RT: 3.169 min Scan# 21
Delta R.T. 0.218 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

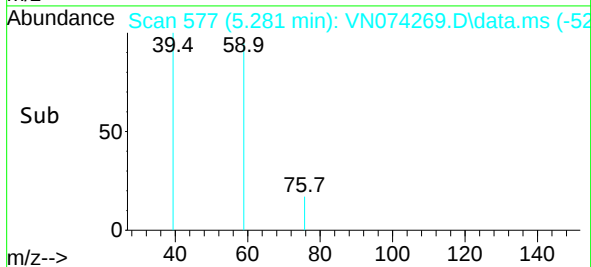
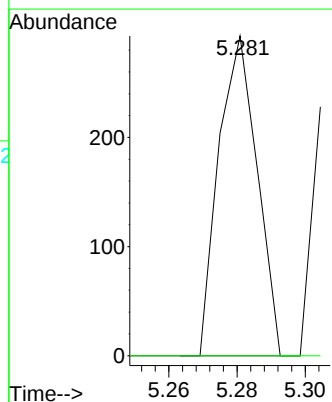
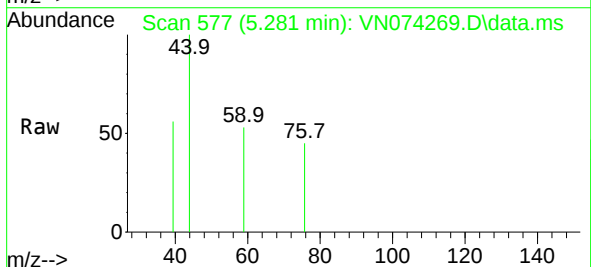
Instrument :
MSVOA_N
ClientSampleId :

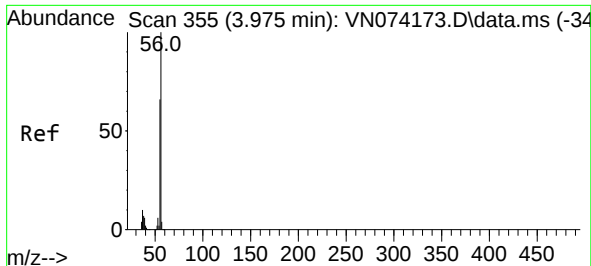
Tgt Ion: 64 Resp: 993
Ion Ratio Lower Upper
64 100
66 16.3 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.281 min Scan# 577
Delta R.T. -0.006 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

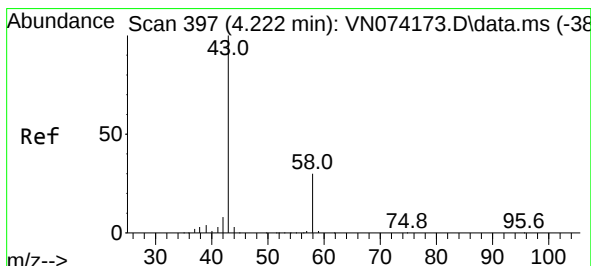
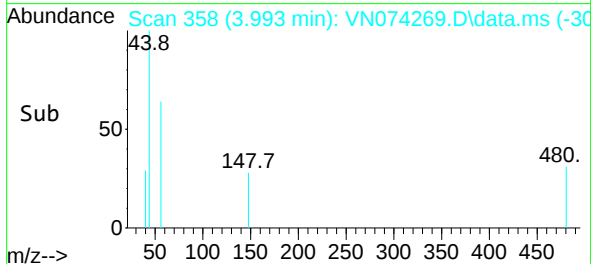
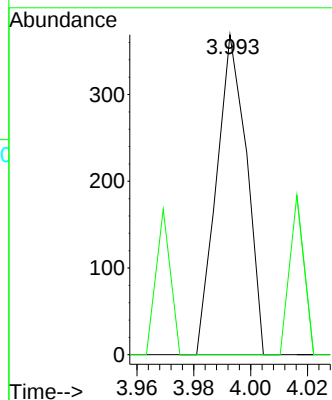
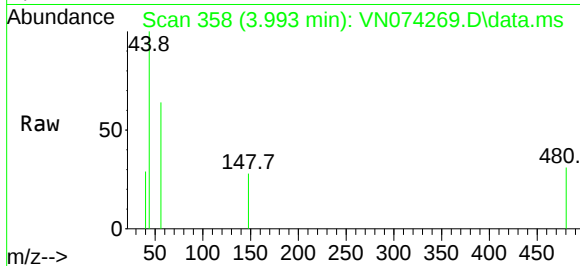




#13
Acrolein
Concen: 0.363 ug/l
RT: 3.993 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

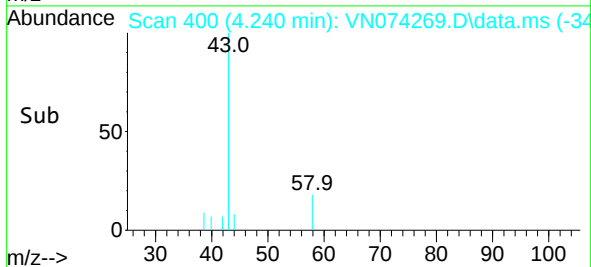
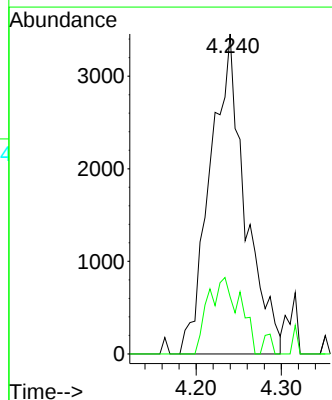
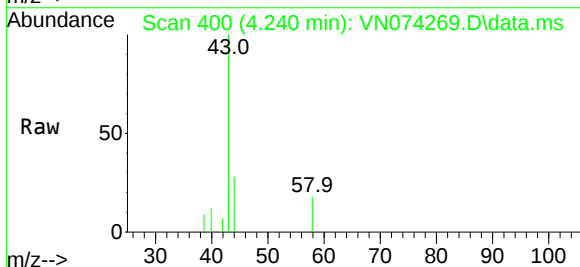
Instrument :
MSVOA_N
ClientSampleId :

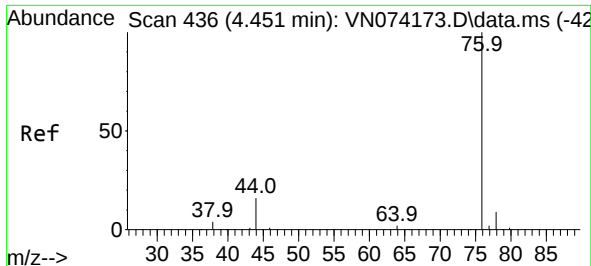
Tgt Ion: 56 Resp: 270
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 4.373 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Tgt Ion: 43 Resp: 9845
Ion Ratio Lower Upper
43 100
58 18.9 26.0 39.0#





#17

Carbon Disulfide

Concen: 0.582 ug/l

RT: 4.463 min Scan# 41

Delta R.T. 0.012 min

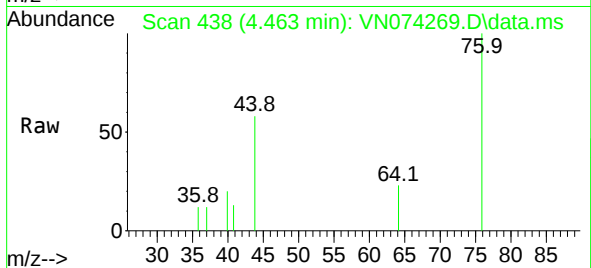
Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

Instrument :

MSVOA_N

ClientSampleId :

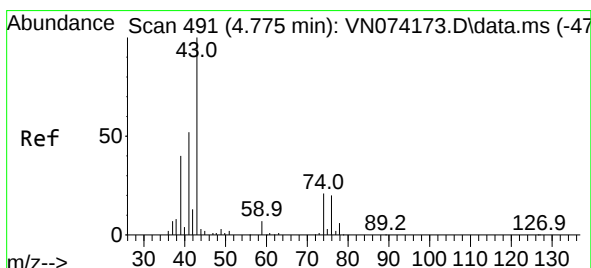
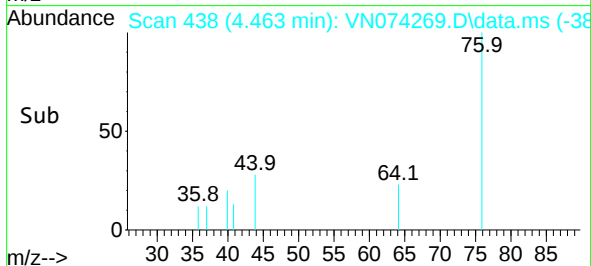
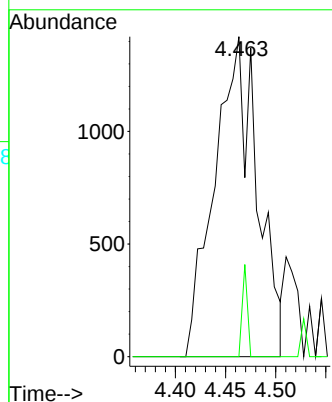


Tgt Ion: 76 Resp: 4218

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.781 min Scan# 492

Delta R.T. 0.006 min

Lab File: VN074269.D

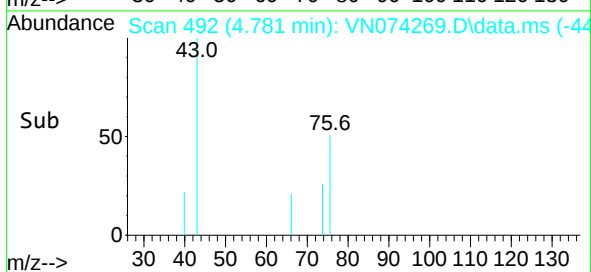
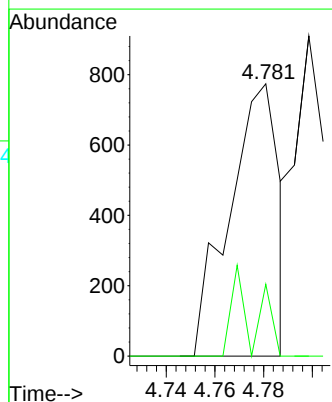
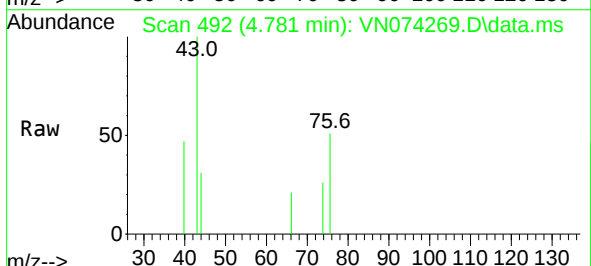
Acq: 02 Sep 2022 02:55

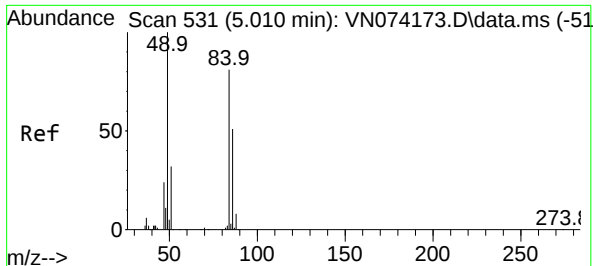
Tgt Ion: 43 Resp: 1095

Ion Ratio Lower Upper

43 100

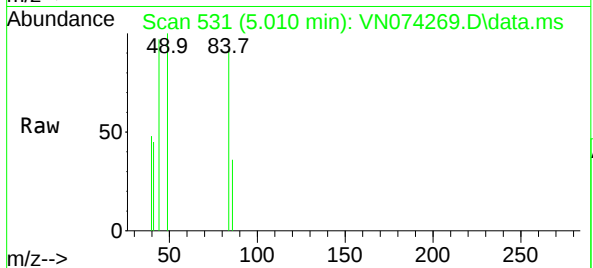
74 14.9 21.6 32.4#



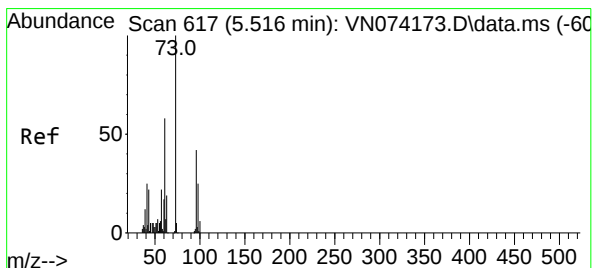
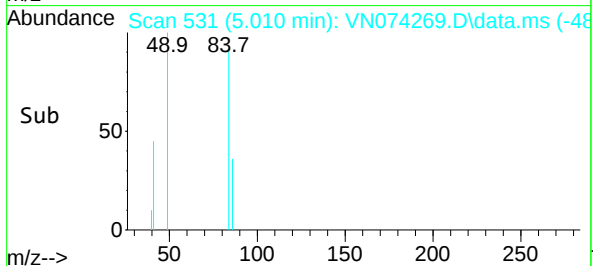
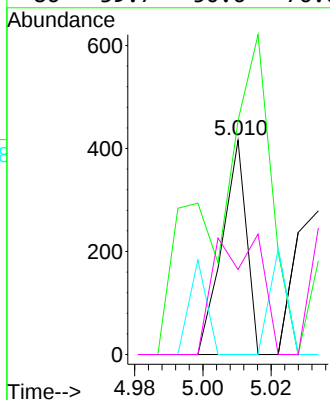


#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Instrument :
MSVOA_N
ClientSampleId :

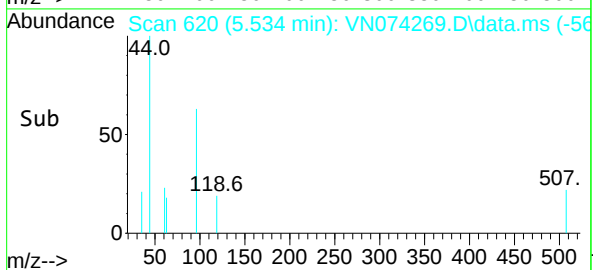
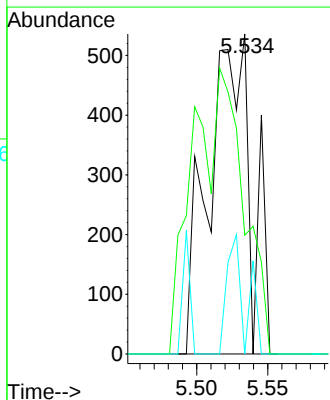
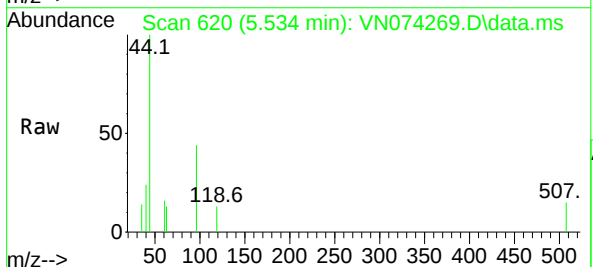


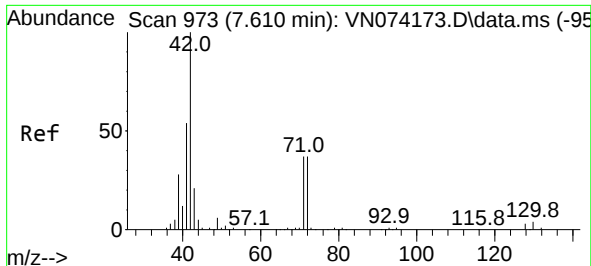
Tgt Ion:	84	Resp:	206
Ion	Ratio	Lower	Upper
84	100		
49	61.1	88.3	132.5#
51	0.0	28.2	42.2#
86	39.7	50.6	76.0#



#21
trans-1,2-Dichloroethene
Concen: 0.379 ug/l
RT: 5.534 min Scan# 620
Delta R.T. 0.018 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Tgt Ion:	96	Resp:	1113
Ion	Ratio	Lower	Upper
96	100		
61	37.1	105.8	158.8#
98	0.0	50.3	75.5#





#29

Tetrahydrofuran

Concen: 0.252 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

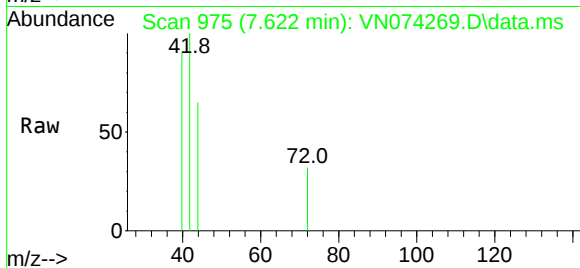
Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

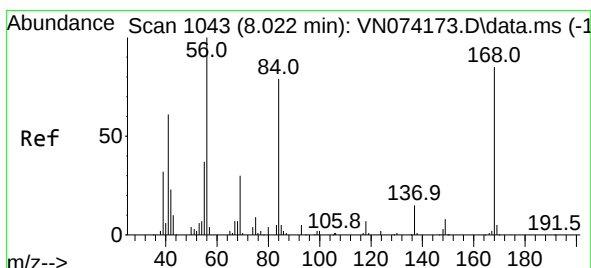
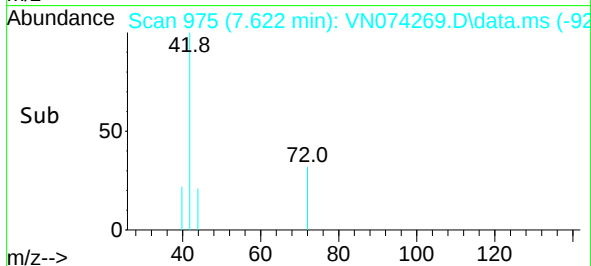
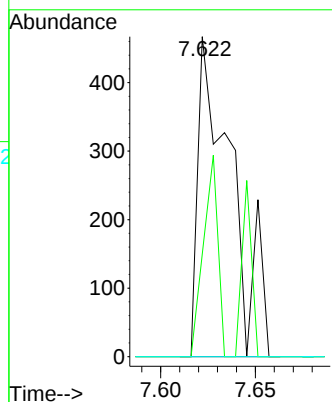
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	577
Ion	Ratio	Lower	Upper
42	100		
72	27.2	39.7	59.5#
71	0.0	36.6	55.0#



#31

Cyclohexane

Concen: 1.223 ug/l

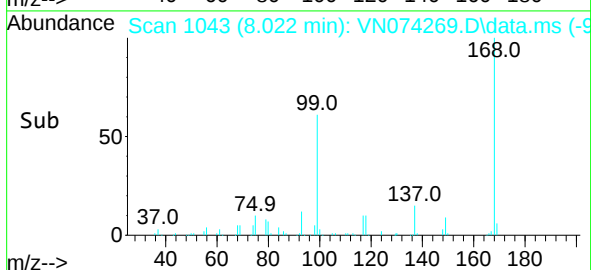
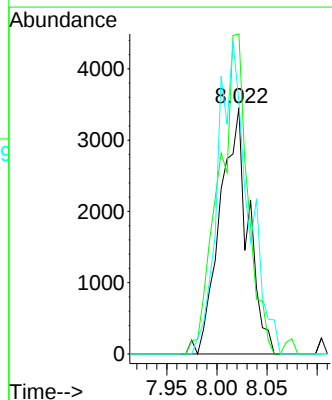
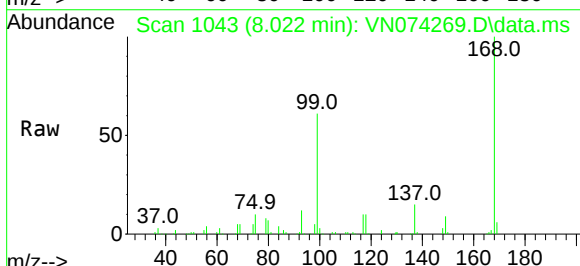
RT: 8.022 min Scan# 1043

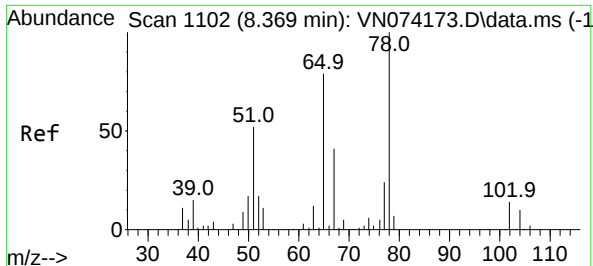
Delta R.T. 0.000 min

Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

Tgt Ion:	56	Resp:	6811
Ion	Ratio	Lower	Upper
56	100		
69	129.9	27.8	41.8#
84	102.5	76.9	115.3





#33

1,2-Dichloroethane-d4

Concen: 48.557 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

Instrument :

MSVOA_N

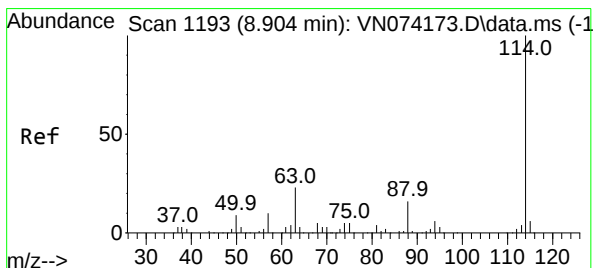
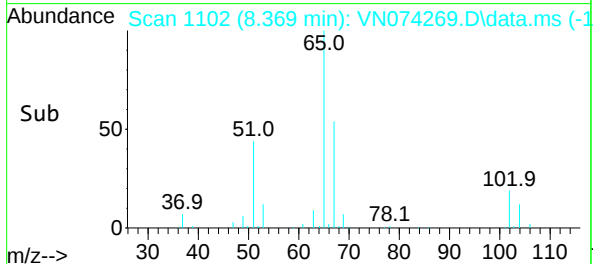
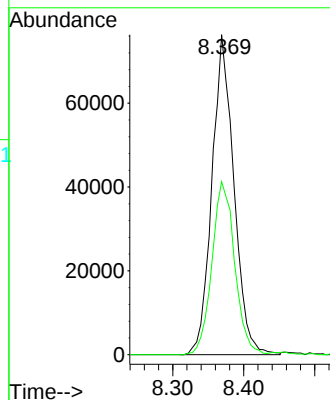
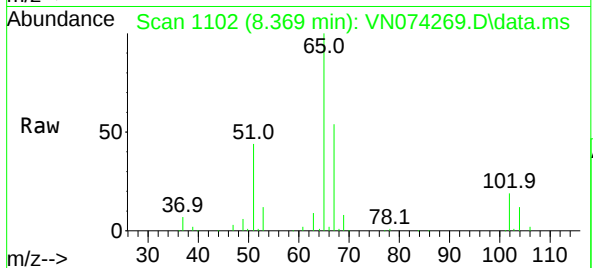
ClientSampleId :

Tgt Ion: 65 Resp: 163604

Ion Ratio Lower Upper

65 100

67 56.0 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: VN074269.D

Acq: 02 Sep 2022 02:55

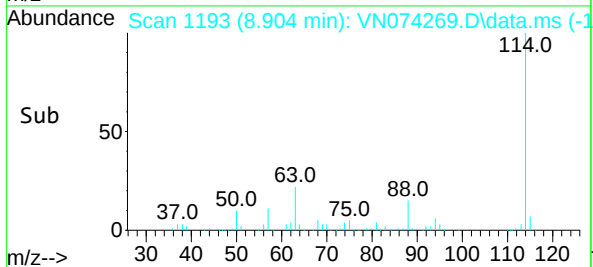
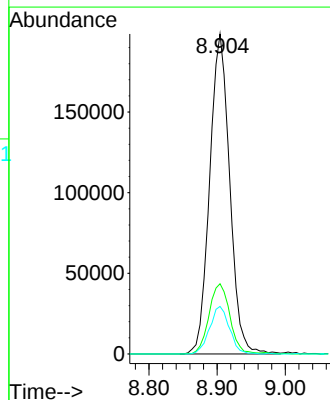
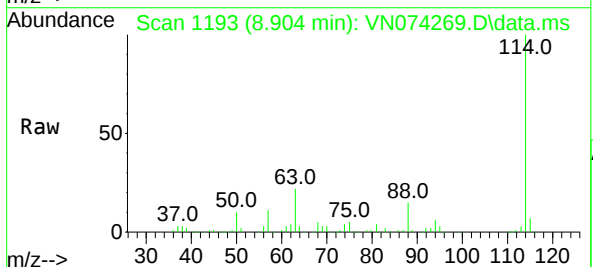
Tgt Ion: 114 Resp: 405892

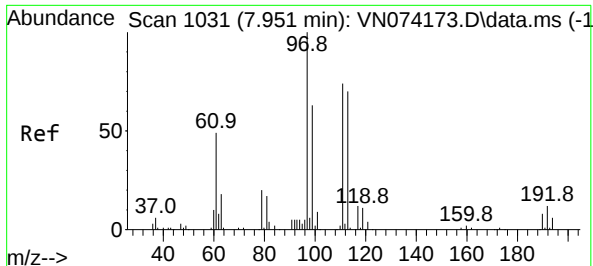
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 14.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.294 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

Instrument :

MSVOA_N

ClientSampleId :

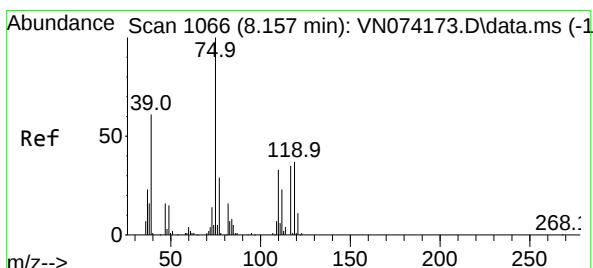
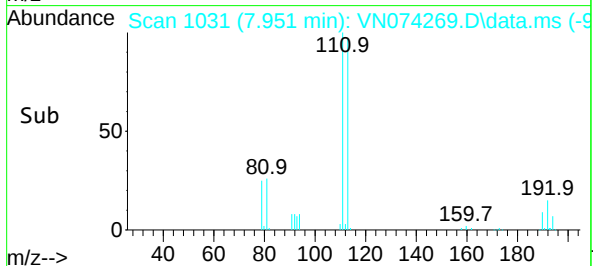
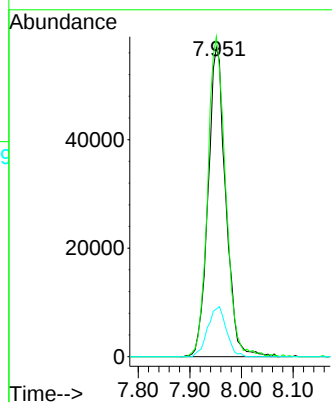
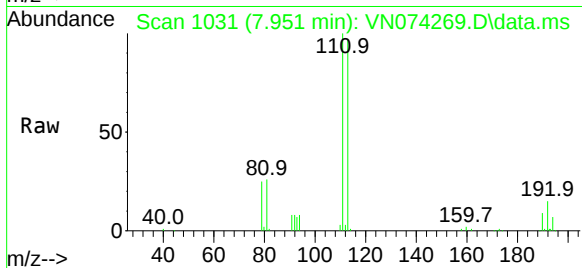
Tgt Ion:113 Resp: 135480

Ion Ratio Lower Upper

113 100

111 105.4 81.4 122.0

192 17.0 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 4.936 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

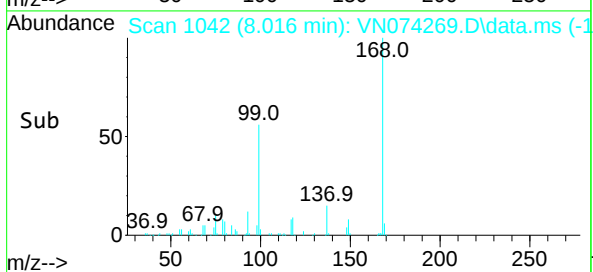
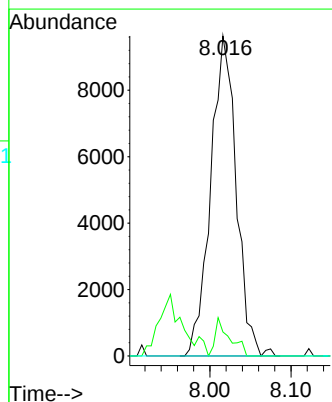
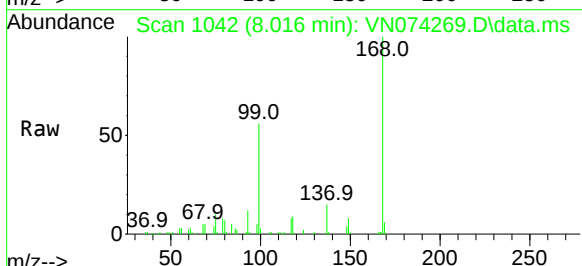
Tgt Ion: 75 Resp: 21152

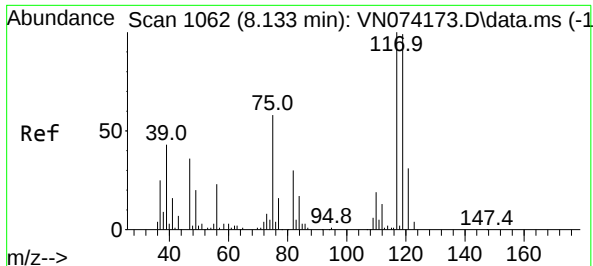
Ion Ratio Lower Upper

75 100

110 6.7 18.3 54.8#

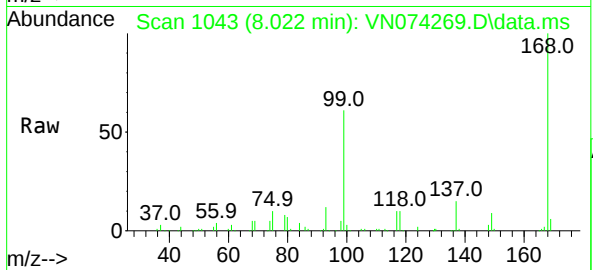
77 0.0 25.1 37.7#



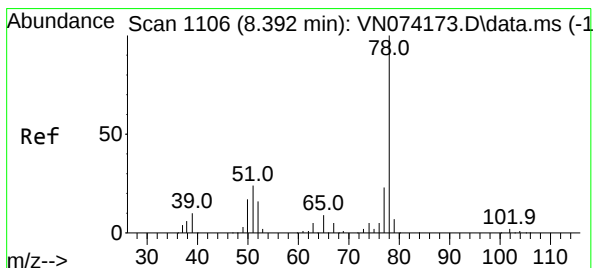
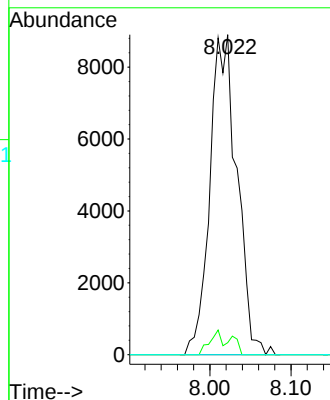
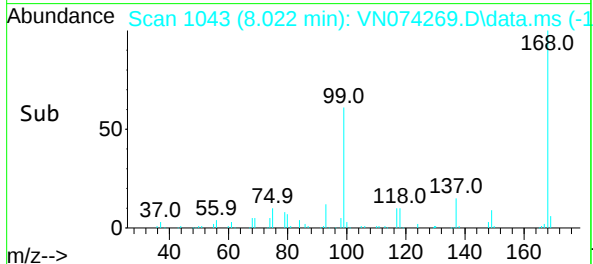


#38
Carbon Tetrachloride
Concen: 5.314 ug/l
RT: 8.022 min Scan# 1104
Delta R.T. -0.111 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Instrument :
MSVOA_N
ClientSampleId :

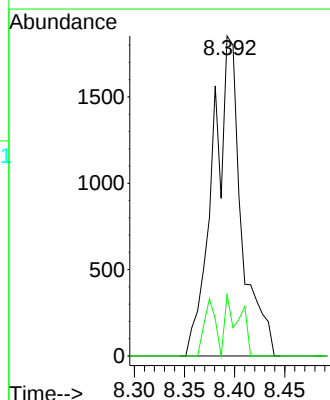
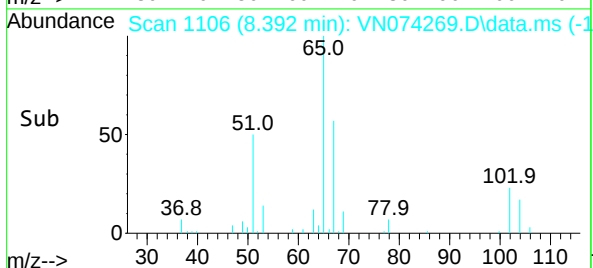
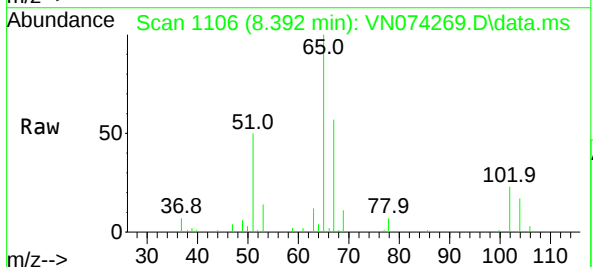


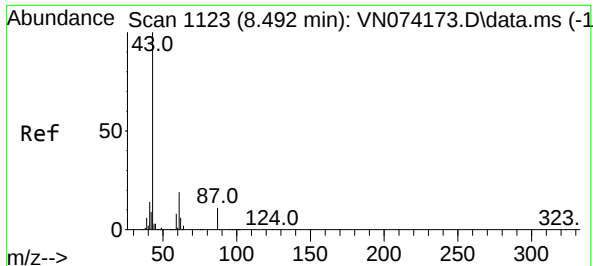
Tgt Ion:117 Resp: 20672
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.272 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Tgt Ion: 78 Resp: 3660
Ion Ratio Lower Upper
78 100
77 19.1 19.4 29.0#





#43

Isopropyl Acetate

Concen: 0.661 ug/l

RT: 8.587 min Scan# 1123

Delta R.T. 0.094 min

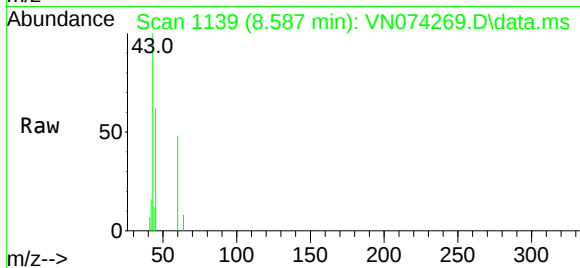
Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

Instrument :

MSVOA_N

ClientSampleId :



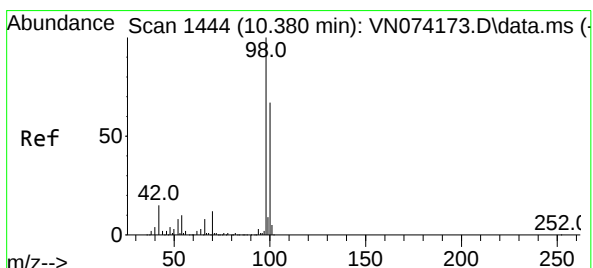
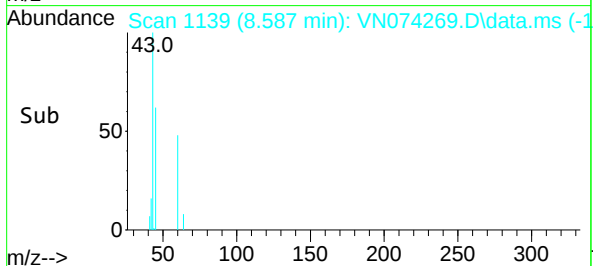
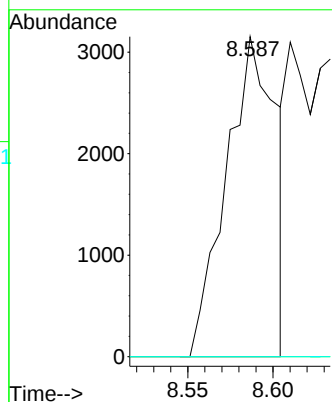
Tgt Ion: 43 Resp: 6367

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 46.126 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074269.D

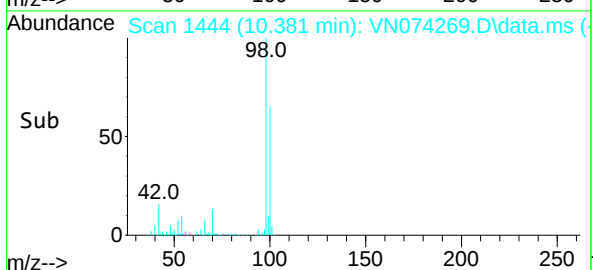
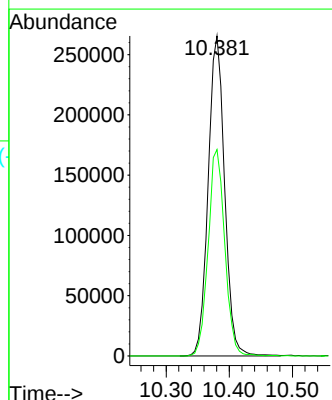
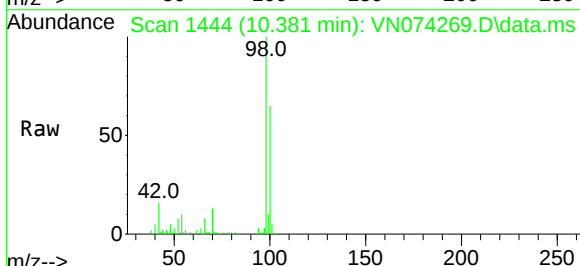
Acq: 02 Sep 2022 02:55

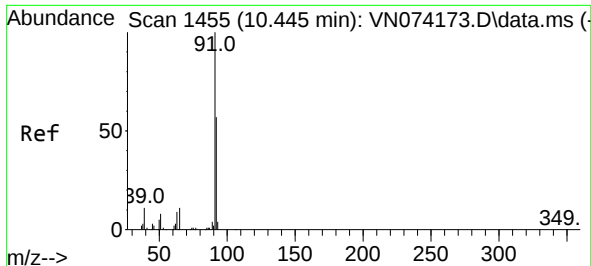
Tgt Ion: 98 Resp: 479775

Ion Ratio Lower Upper

98 100

100 65.2 52.6 78.8

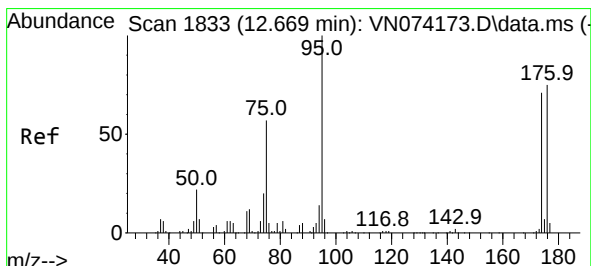
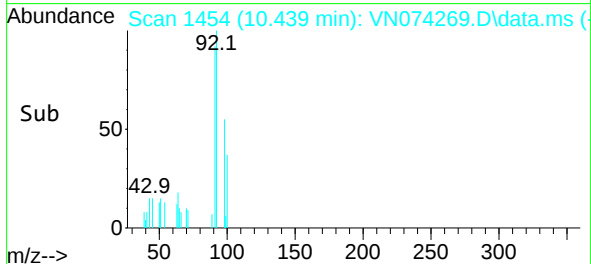
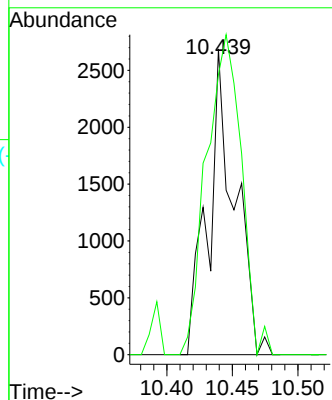
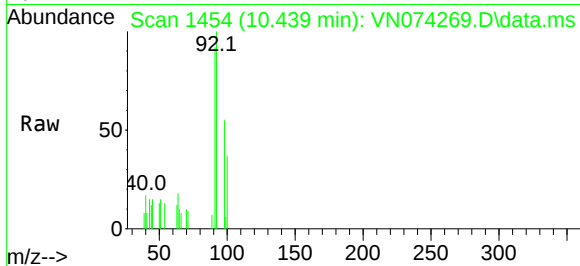




#52
Toluene
Concen: 0.478 ug/l
RT: 10.439 min Scan# 1455
Delta R.T. -0.006 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

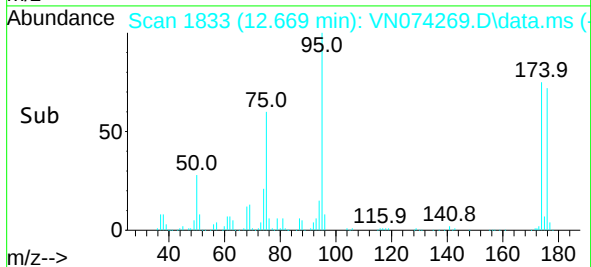
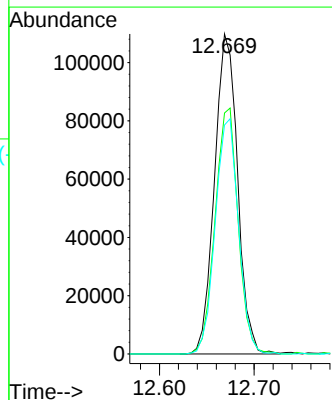
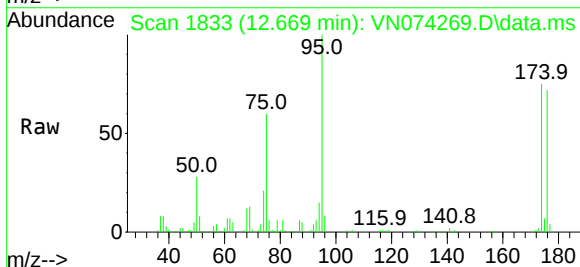
Instrument :
MSVOA_N
ClientSampleId :

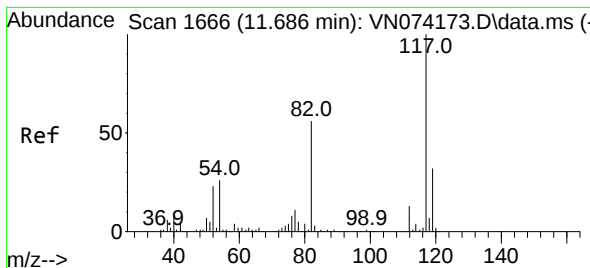
Tgt Ion: 92 Resp: 3790
Ion Ratio Lower Upper
92 100
91 137.4 138.6 207.8#



#62
4-Bromofluorobenzene
Concen: 58.763 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Tgt Ion: 95 Resp: 185877
Ion Ratio Lower Upper
95 100
174 76.9 0.0 167.6
176 74.0 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

Instrument :

MSVOA_N

ClientSampleId :

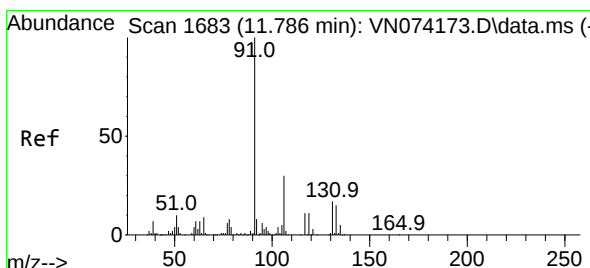
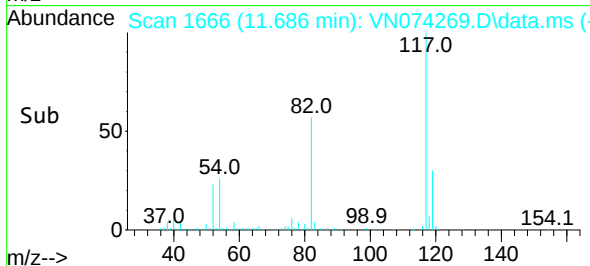
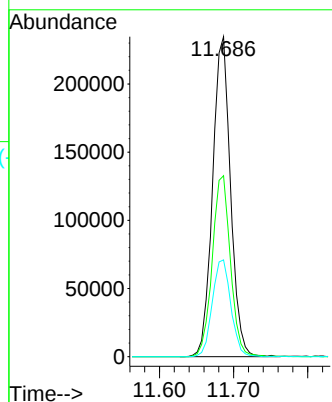
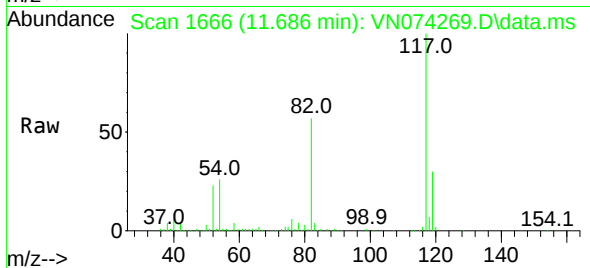
Tgt Ion:117 Resp: 394246

Ion Ratio Lower Upper

117 100

82 56.5 44.2 66.2

119 30.3 25.4 38.0



#67

Ethyl Benzene

Concen: 0.501 ug/l

RT: 11.786 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VN074269.D

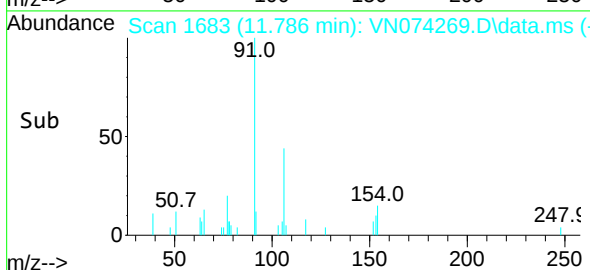
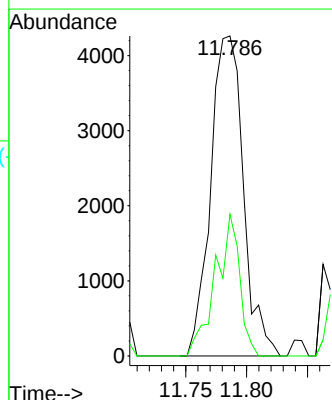
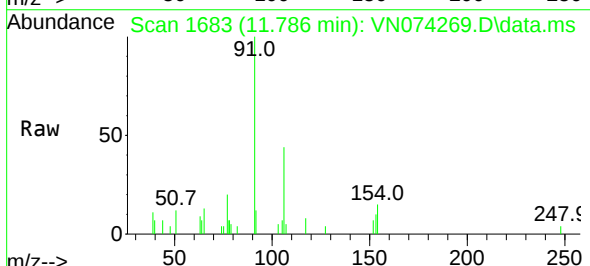
Acq: 02 Sep 2022 02:55

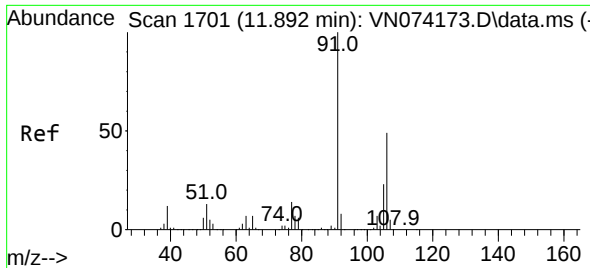
Tgt Ion: 91 Resp: 7972

Ion Ratio Lower Upper

91 100

106 39.7 24.9 37.3#

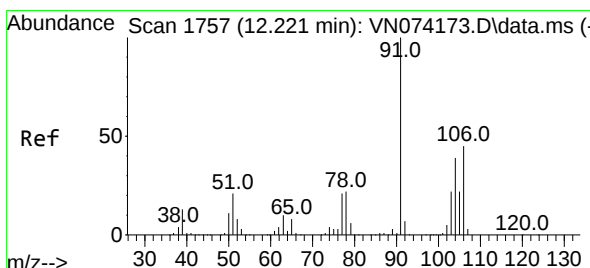
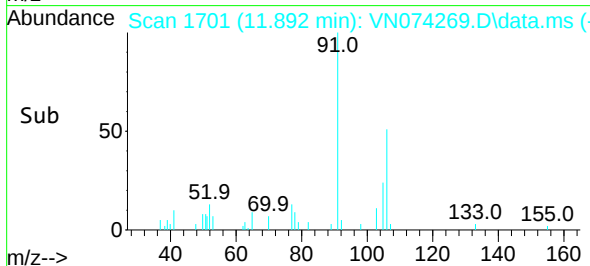
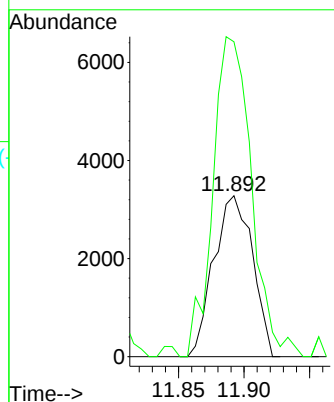
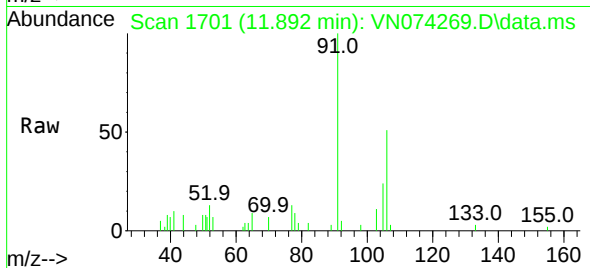




#68
m/p-Xylenes
Concen: 1.141 ug/l
RT: 11.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

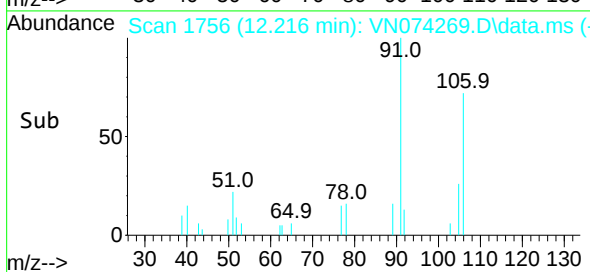
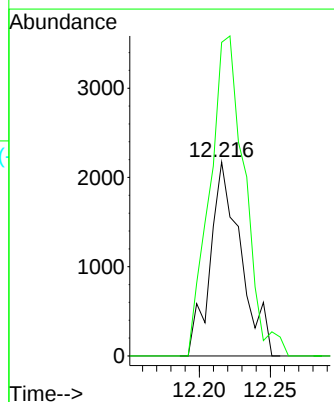
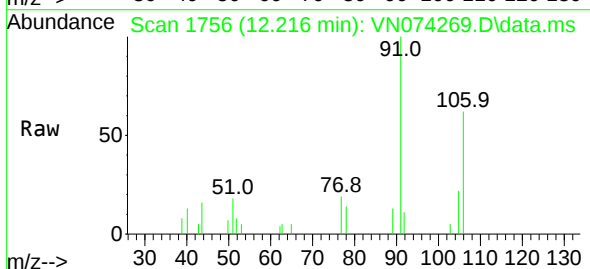
Instrument :
MSVOA_N
ClientSampleId :

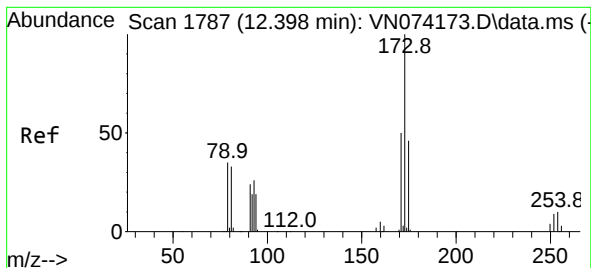
Tgt Ion:106 Resp: 6746
Ion Ratio Lower Upper
106 100
91 197.4 158.9 238.3



#69
o-Xylene
Concen: 0.550 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.006 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Tgt Ion:106 Resp: 3241
Ion Ratio Lower Upper
106 100
91 189.1 106.0 318.0





#71

Bromoform

Concen: 0.687 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

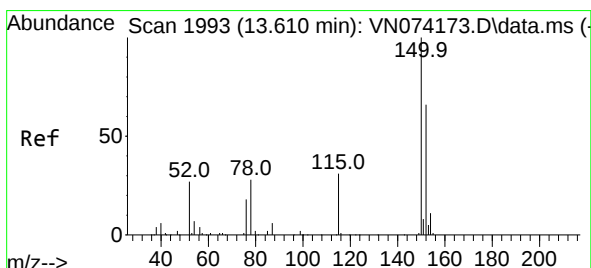
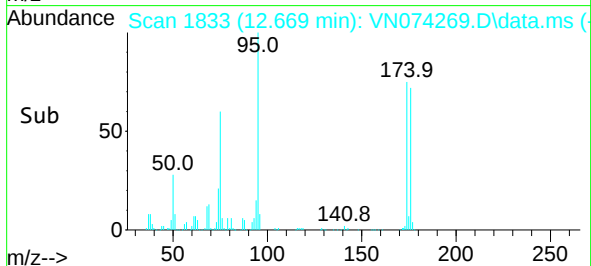
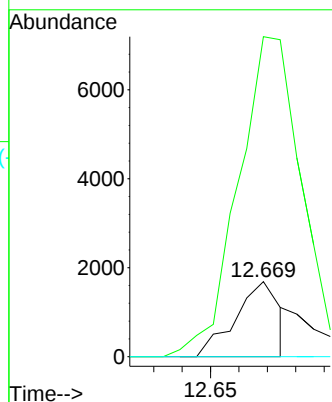
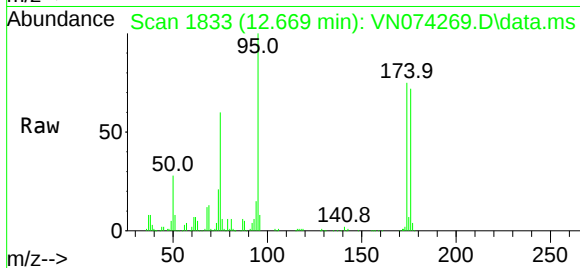
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1834

Ion	Ratio	Lower	Upper
173	100		
175	454.1	24.6	73.6#
254	0.0	0.1	0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

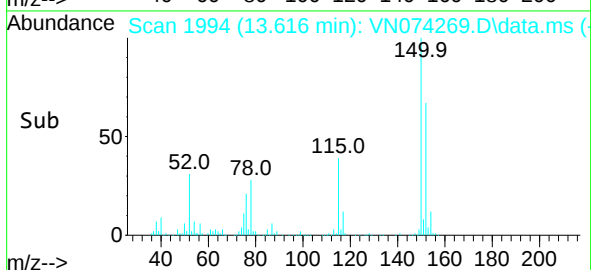
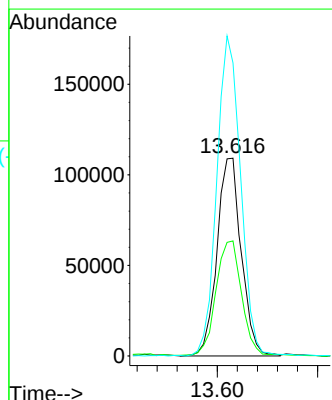
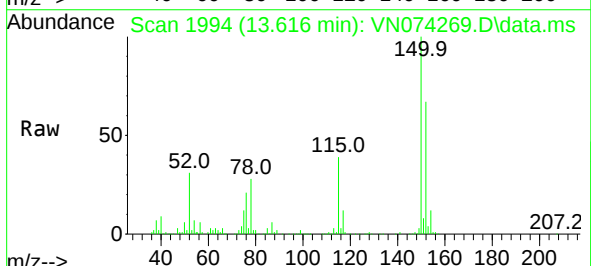
Delta R.T. 0.006 min

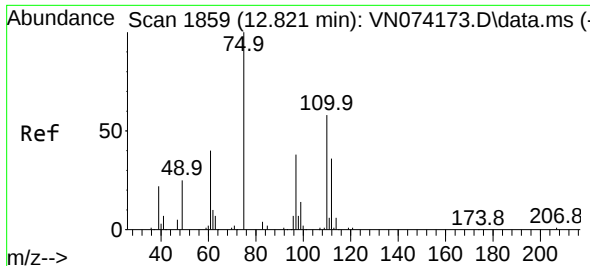
Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

Tgt Ion:152 Resp: 183938

Ion	Ratio	Lower	Upper
152	100		
115	61.9	28.9	86.7
150	159.0	0.0	356.2

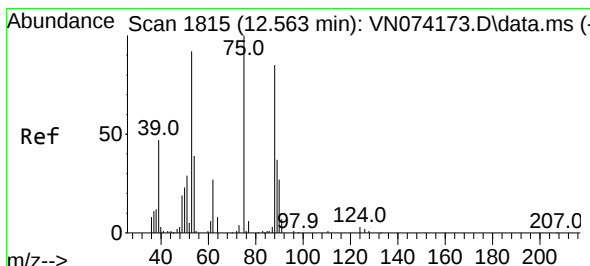
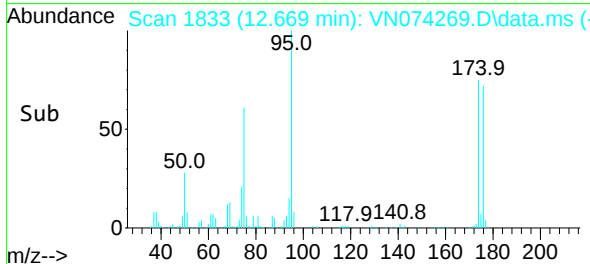
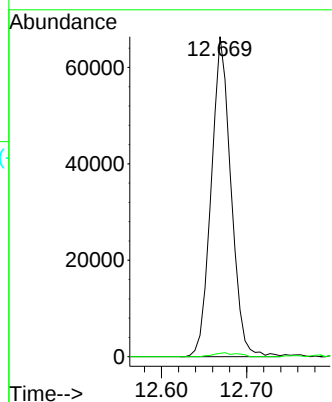
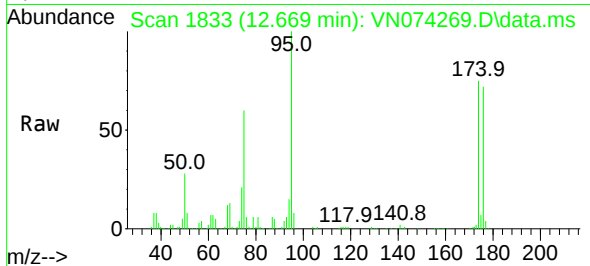




#76
1,2,3-Trichloropropane
Concen: 23.312 ug/l
RT: 12.669 min Scan# 1859
Delta R.T. -0.152 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

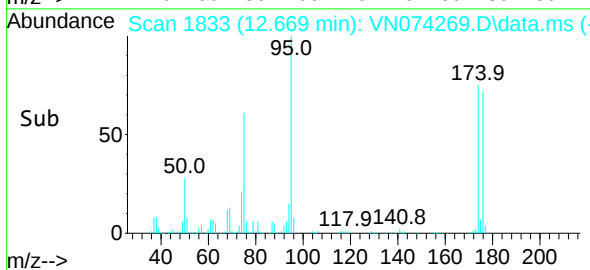
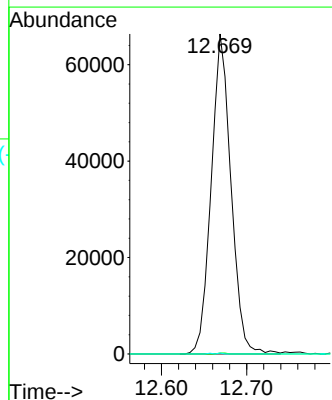
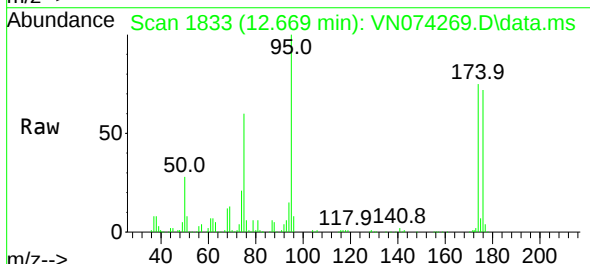
Instrument :
MSVOA_N
ClientSampleId :

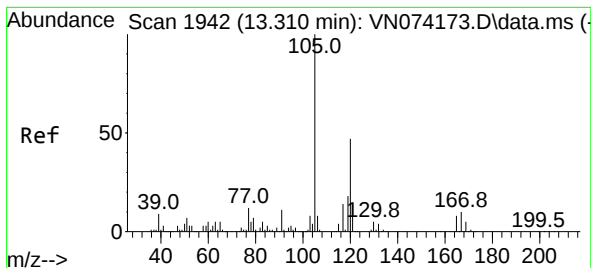
Tgt Ion: 75 Resp: 107185
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.485 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Tgt Ion: 75 Resp: 107185
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.494 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.006 min

Lab File: VN074269.D

Acq: 02 Sep 2022 02:55

Instrument :

MSVOA_N

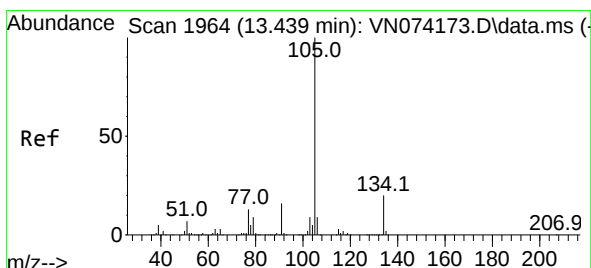
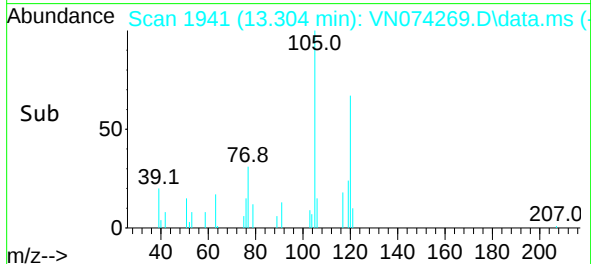
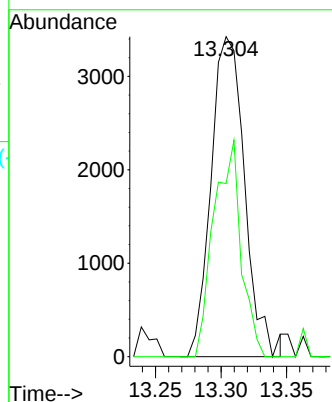
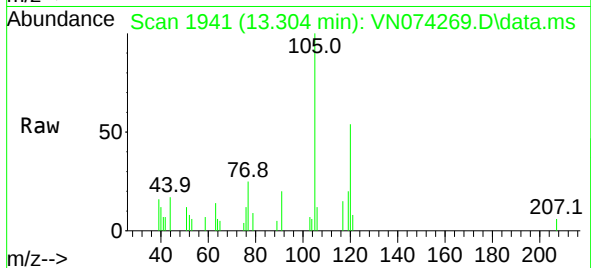
ClientSampleId :

Tgt Ion:105 Resp: 6113

Ion Ratio Lower Upper

105 100

120 54.8 23.3 69.8



#85

sec-Butylbenzene

Concen: 0.398 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.135 min

Lab File: VN074269.D

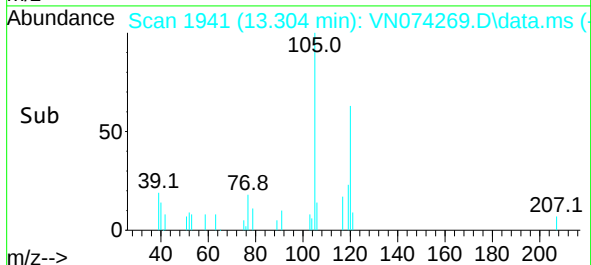
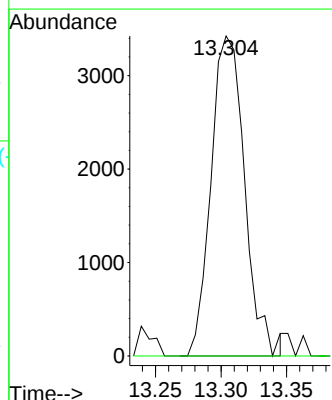
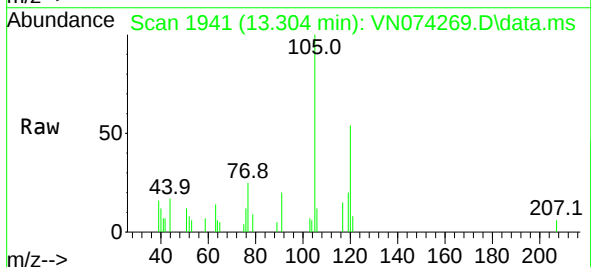
Acq: 02 Sep 2022 02:55

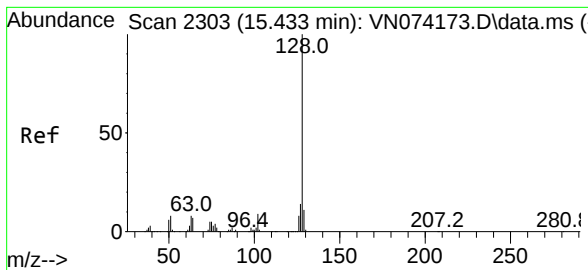
Tgt Ion:105 Resp: 6113

Ion Ratio Lower Upper

105 100

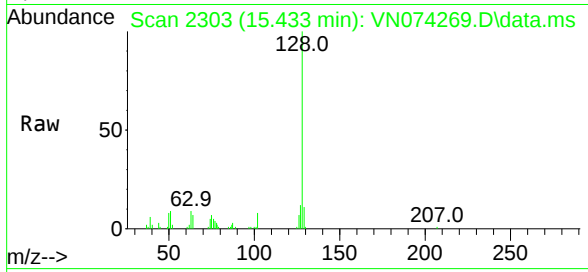
134 0.0 10.4 31.1#





#95
Naphthalene
Concen: 5.117 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074269.D
Acq: 02 Sep 2022 02:55

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	56663
Ion	Ratio	Lower	Upper
128	100		
127	15.2	10.3	15.5
129	11.4	8.6	13.0

