

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074395.D
 Acq On : 10 Sep 2022 00:13
 Operator : JC\MD
 Sample : N4509-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S1-SO_115D-20220902

Quant Time: Sep 10 07:29:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

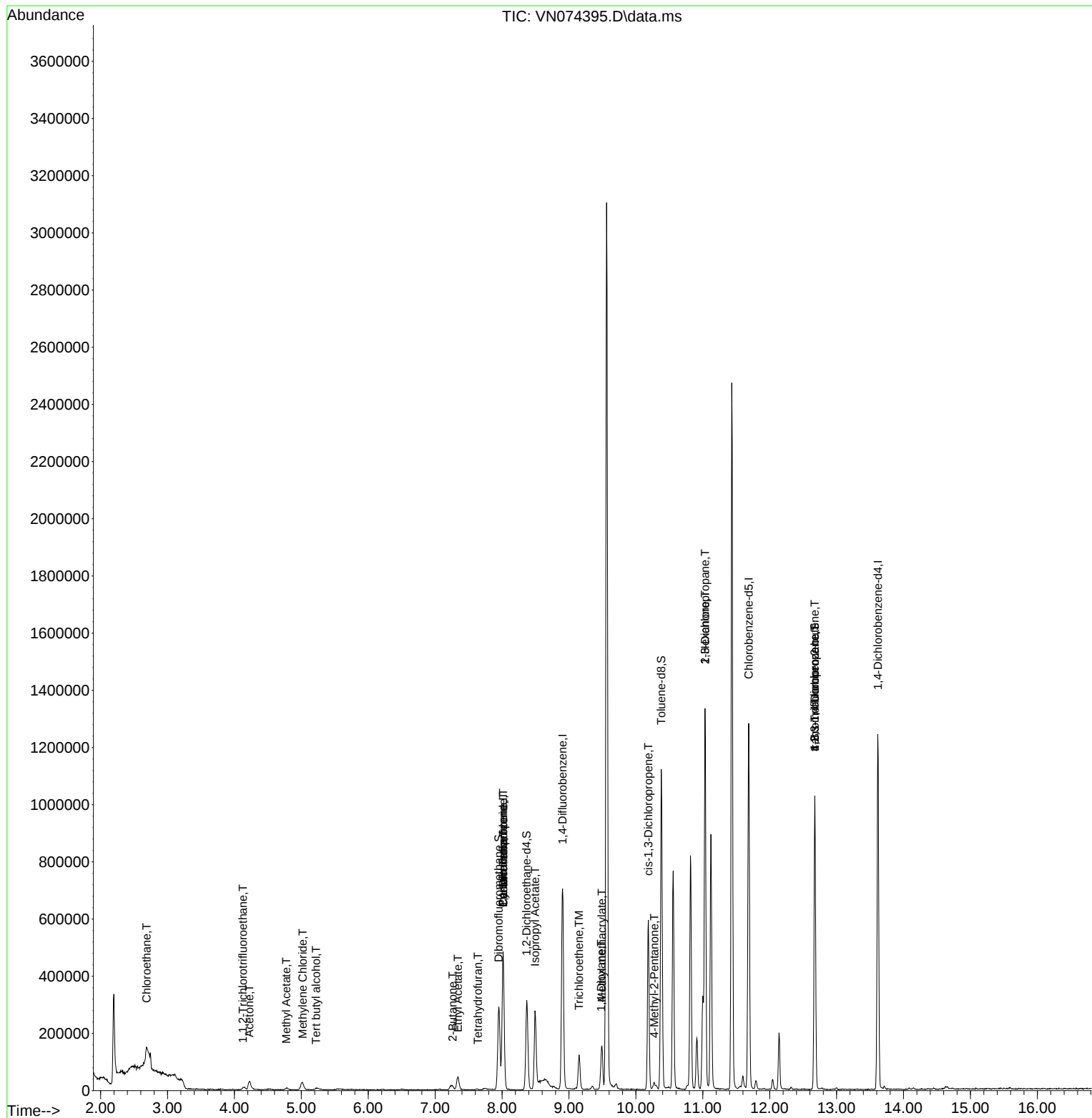
Internal Standards						
1) Pentafluorobenzene	8.016	168	332011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	593980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	641241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	294135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	241859	42.104	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.200%		
35) Dibromofluoromethane	7.951	113	198483	49.498	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.000%		
50) Toluene-d8	10.380	98	703054	44.997	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.000%		
62) 4-Bromofluorobenzene	12.674	95	307938	54.284	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.560%		
Target Compounds			Qvalue			
3) Chloromethane	2.263	50	2309	Below Cal	#	64
6) Chloroethane	2.687	64	48633	7.229	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	4.128	101	2865	0.674	ug/l #	71
11) Tert butyl alcohol	5.222	59	2720	1.810	ug/l #	71
16) Acetone	4.222	43	55410	17.867	ug/l	97
18) Methyl Acetate	4.775	43	5837	0.638	ug/l #	91
20) Methylene Chloride	5.022	84	18940	2.740	ug/l #	81
25) 2-Butanone	7.263	43	10463	2.010	ug/l #	82
28) Bromochloromethane	7.575	49	54	Below Cal	#	20
29) Tetrahydrofuran	7.639	42	2233	0.649	ug/l #	65
31) Cyclohexane	8.016	56	10453	1.144	ug/l #	24
36) 1,1-Dichloropropene	8.016	75	31636	4.789	ug/l #	48
37) Ethyl Acetate	7.339	43	74114	7.734	ug/l	99
38) Carbon Tetrachloride	8.016	117	35997	5.278	ug/l #	13
43) Isopropyl Acetate	8.492	43	334968	21.374	ug/l #	91
44) Trichloroethene	9.151	130	38121	8.407	ug/l	79
48) Methyl methacrylate	9.492	41	9691	1.403	ug/l #	42
49) 1,4-Dioxane	9.480	88	82	0.563	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	15820	1.544	ug/l	96
54) cis-1,3-Dichloropropene	10.186	75	98352	11.413	ug/l #	65
57) 1,3-Dichloropropane	11.033	76	12686	1.408	ug/l #	43
59) 2-Hexanone	11.033	43	167359	21.160	ug/l #	56
74) N-amyl acetate	12.327	43	2041	Below Cal	#	51
76) 1,2,3-Trichloropropane	12.674	75	183882	23.914	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	183882	53.305	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.509	75	66	Below Cal	#	8

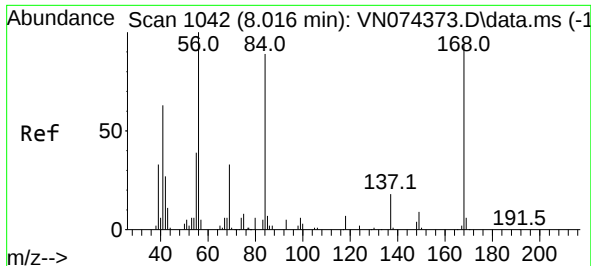
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
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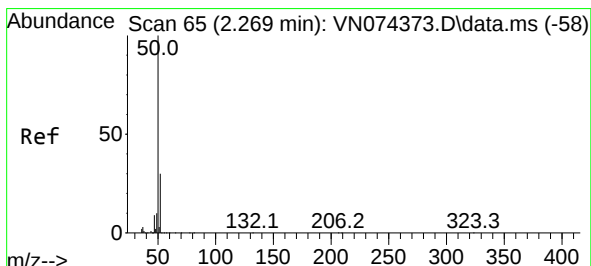
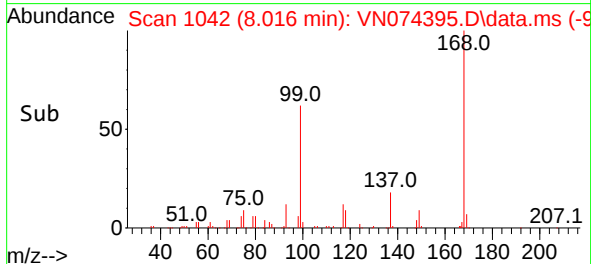
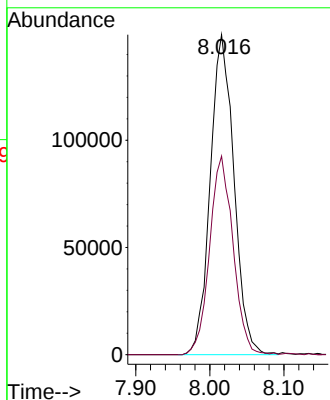
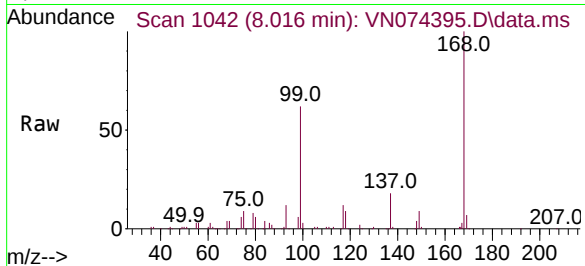




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

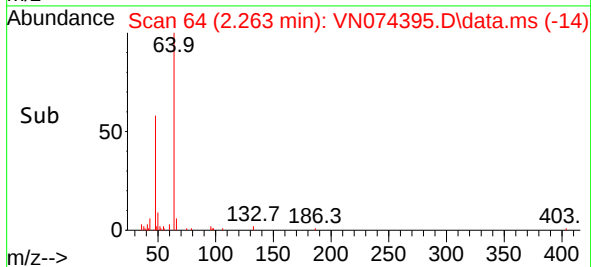
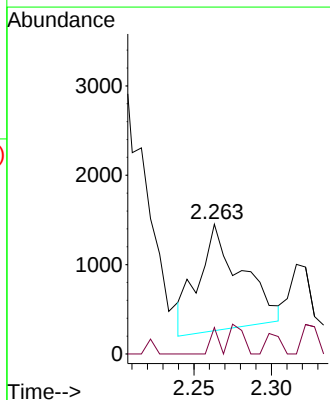
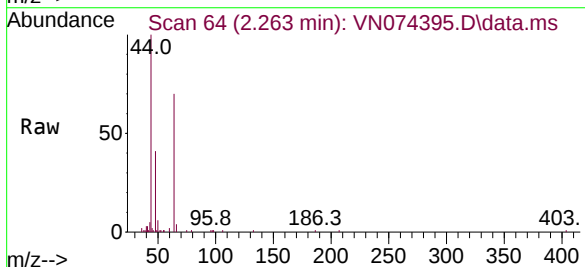
Instrument :
MSVOA_N
ClientSampleId :
S1-SO_115D-20220902

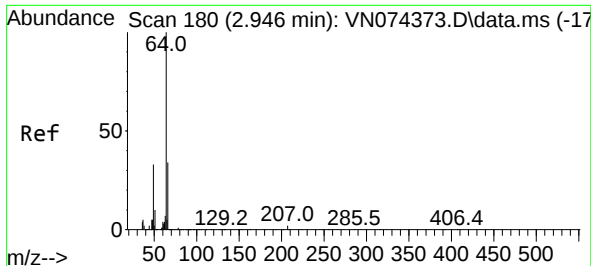
Tgt Ion:168 Resp: 332011
Ion Ratio Lower Upper
168 100
99 62.0 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Tgt Ion: 50 Resp: 2309
Ion Ratio Lower Upper
50 100
52 49.5 24.1 36.1#

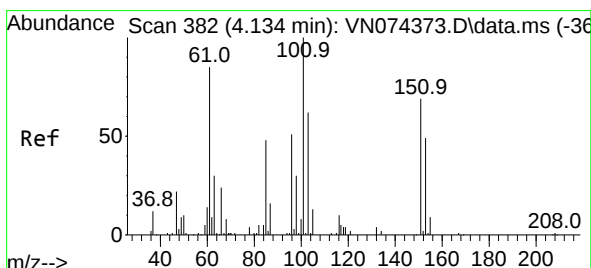
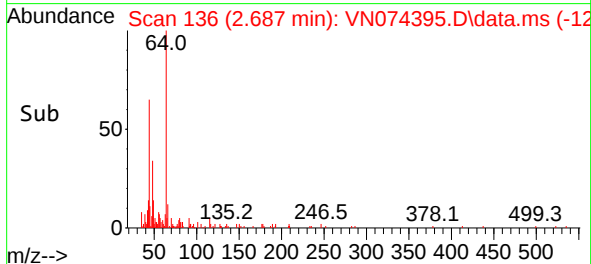
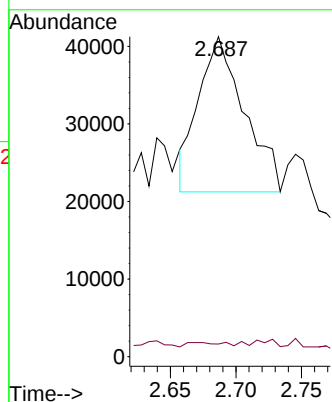
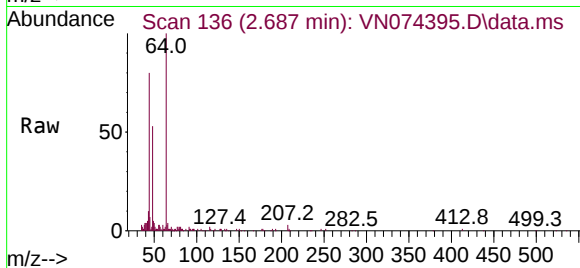




#6
Chloroethane
Concen: 7.229 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

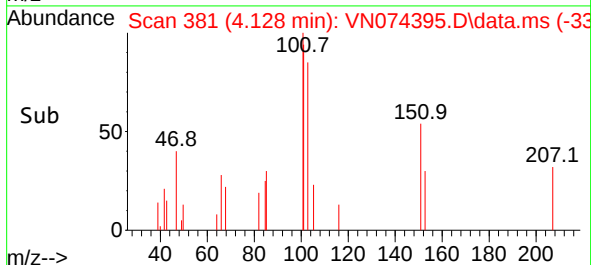
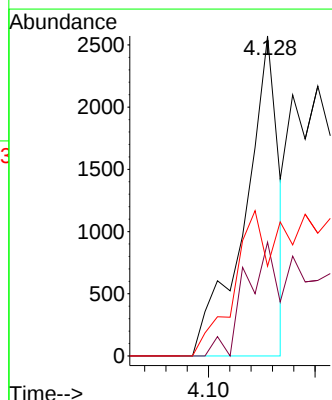
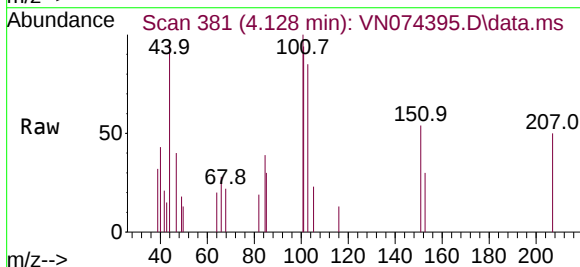
Instrument :
MSVOA_N
ClientSampleId :
S1-SO_115D-20220902

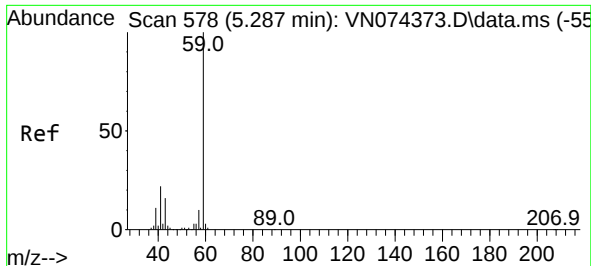
Tgt Ion: 64 Resp: 48633
Ion Ratio Lower Upper
64 100
66 1.9 26.5 39.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.674 ug/l
RT: 4.128 min Scan# 381
Delta R.T. -0.006 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Tgt Ion: 101 Resp: 2865
Ion Ratio Lower Upper
101 100
85 33.5 39.5 59.3#
151 44.7 57.8 86.6#





#11

Tert butyl alcohol

Concen: 1.810 ug/l

RT: 5.222 min Scan# 5

Delta R.T. -0.065 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

Instrument :

MSVOA_N

ClientSampleId :

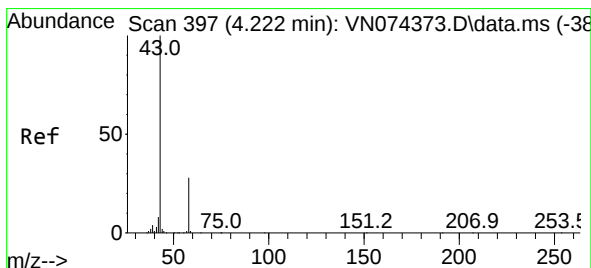
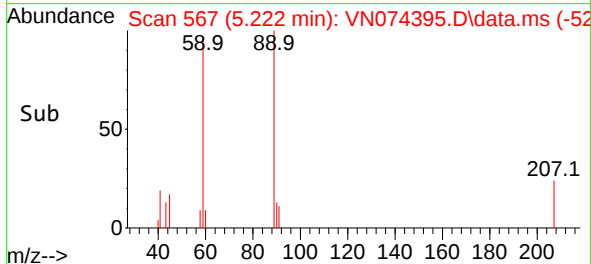
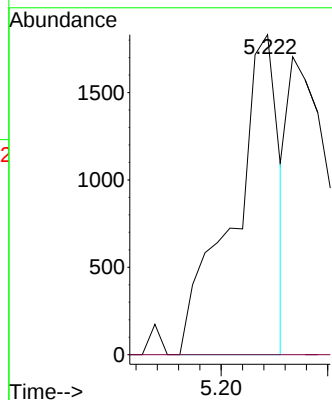
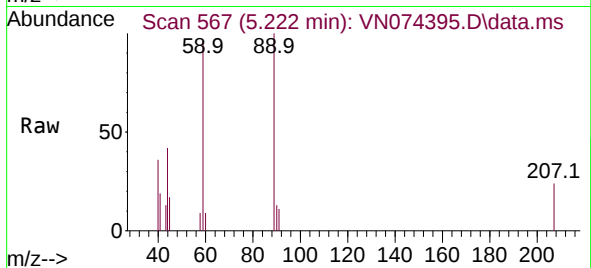
S1-SO_115D-20220902

Tgt Ion: 59 Resp: 2720

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#16

Acetone

Concen: 17.867 ug/l

RT: 4.222 min Scan# 397

Delta R.T. -0.000 min

Lab File: VN074395.D

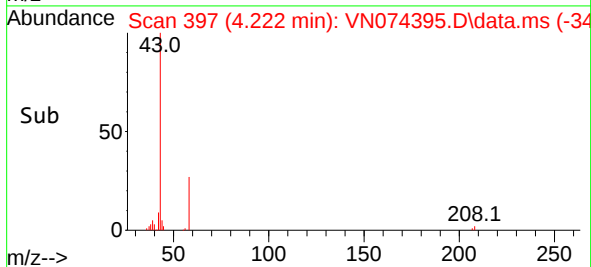
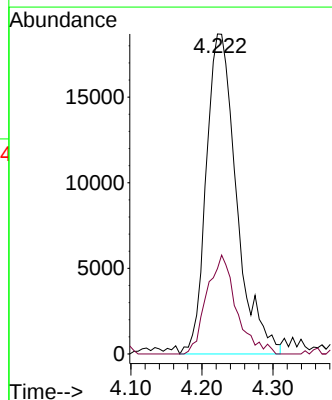
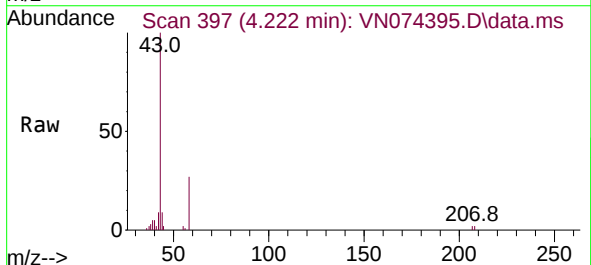
Acq: 10 Sep 2022 00:13

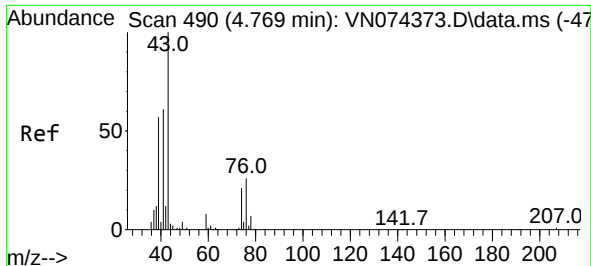
Tgt Ion: 43 Resp: 55410

Ion Ratio Lower Upper

43 100

58 26.7 22.7 34.1





#18

Methyl Acetate

Concen: 0.638 ug/l

RT: 4.775 min Scan# 491

Delta R.T. 0.006 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

Instrument :

MSVOA_N

ClientSampleId :

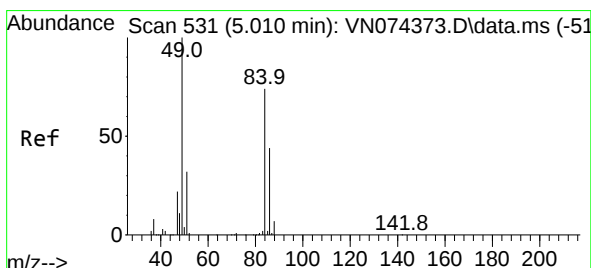
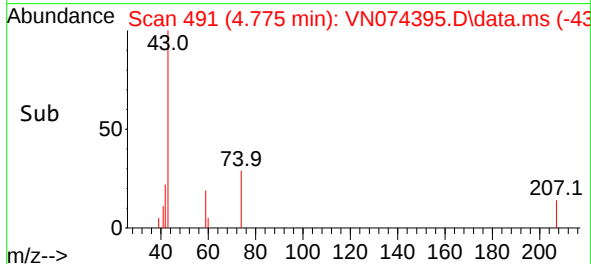
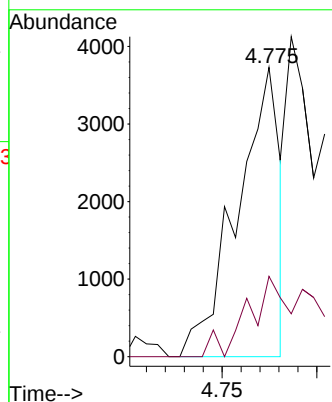
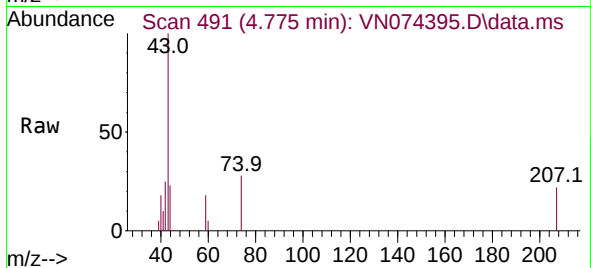
S1-SO_115D-20220902

Tgt Ion: 43 Resp: 5837

Ion Ratio Lower Upper

43 100

74 25.3 16.7 25.1#



#20

Methylene Chloride

Concen: 2.740 ug/l

RT: 5.022 min Scan# 533

Delta R.T. 0.012 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

Tgt Ion: 84 Resp: 18940

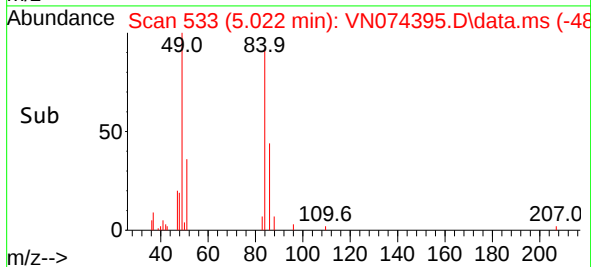
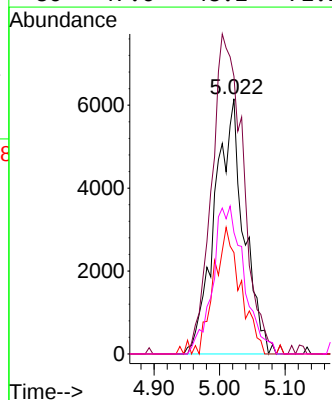
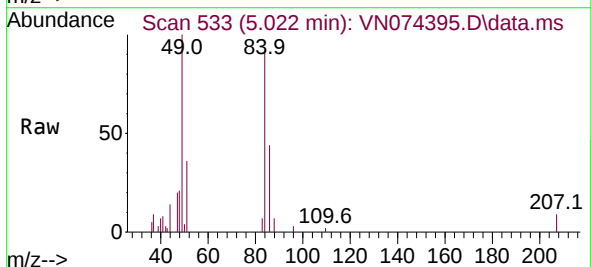
Ion Ratio Lower Upper

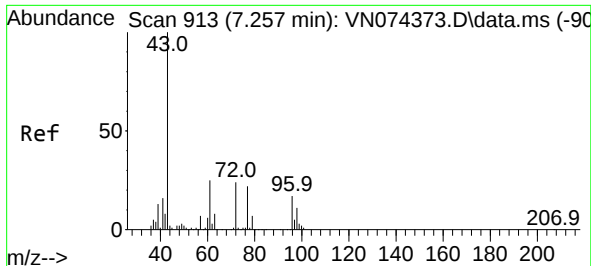
84 100

49 108.8 108.2 162.4

51 36.7 34.3 51.5

86 47.6 48.2 72.2#

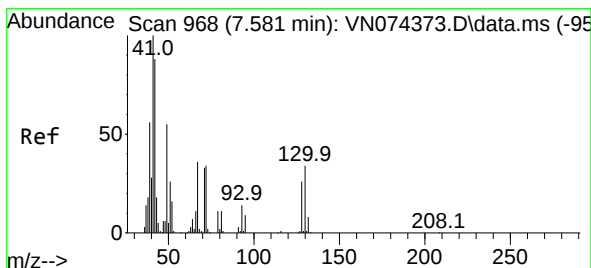
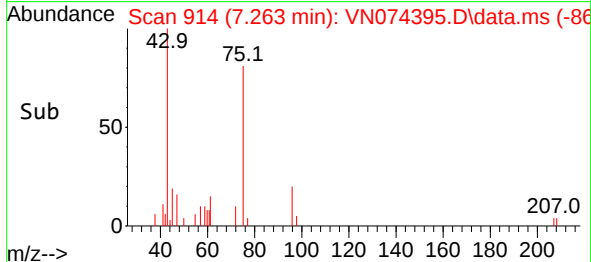
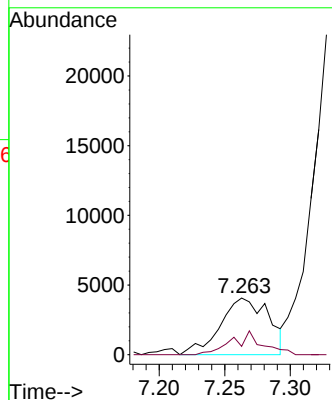
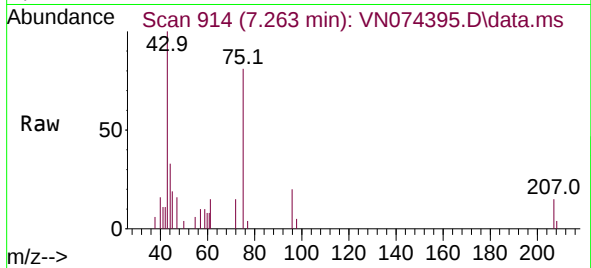




#25
2-Butanone
Concen: 2.010 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

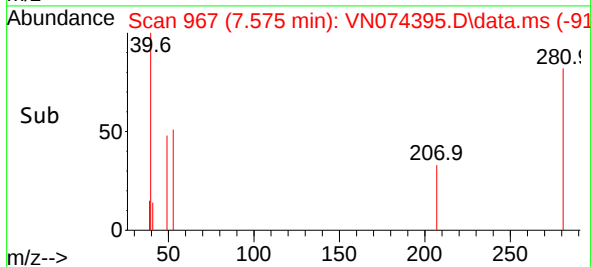
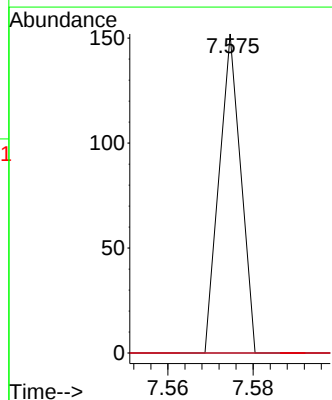
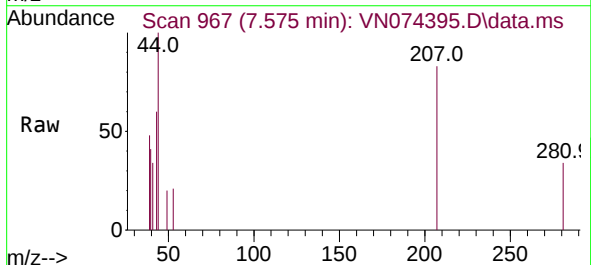
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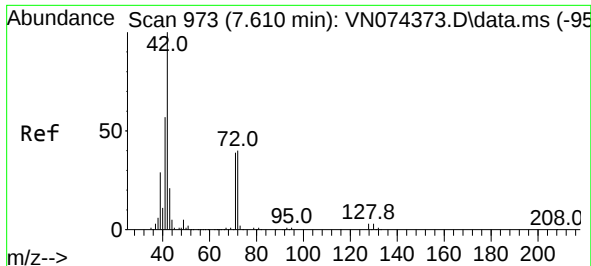
Tgt Ion: 43 Resp: 10463
Ion Ratio Lower Upper
43 100
72 14.8 18.9 28.3#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.575 min Scan# 967
Delta R.T. -0.006 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Tgt Ion: 49 Resp: 54
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 50.0 75.0#





#29

Tetrahydrofuran

Concen: 0.649 ug/l

RT: 7.639 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN074395.D

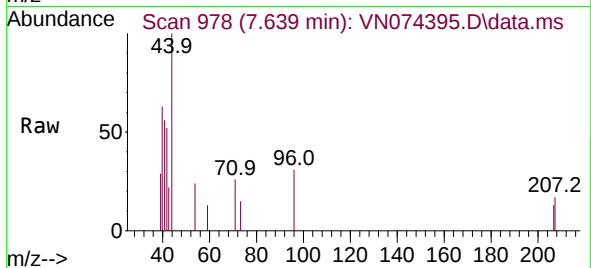
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Instrument :

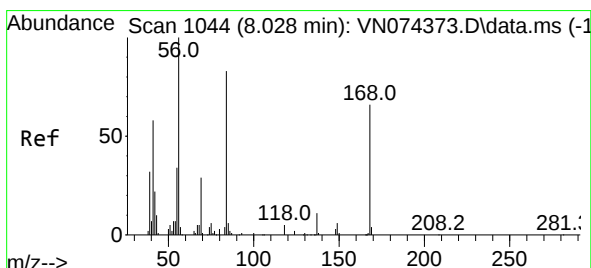
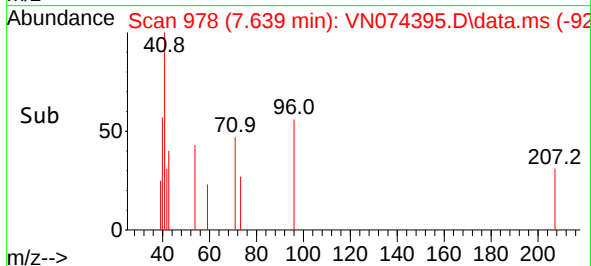
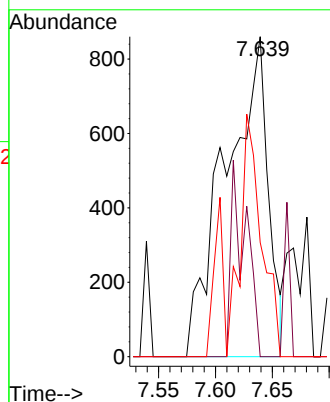
MSVOA_N

ClientSampleId :

S1-SO_115D-20220902



Tgt Ion:	42	Resp:	2233
Ion Ratio	100	Lower	Upper
72	0.0	32.7	49.1#
71	37.6	31.0	46.6



#31

Cyclohexane

Concen: 1.144 ug/l

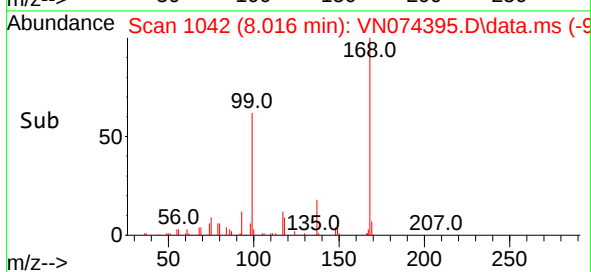
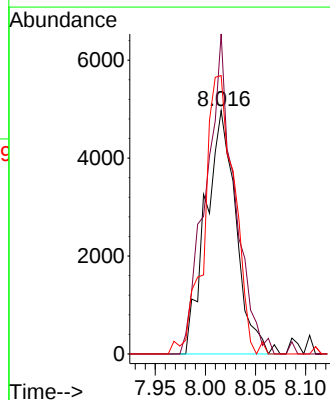
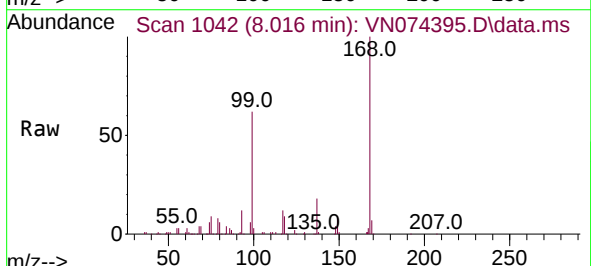
RT: 8.016 min Scan# 1042

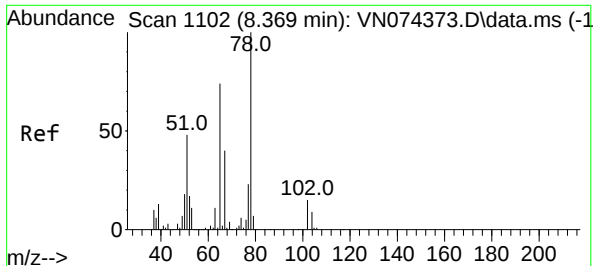
Delta R.T. -0.012 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

Tgt Ion:	56	Resp:	10453
Ion Ratio	100	Lower	Upper
69	131.5	23.0	34.4#
84	114.4	66.3	99.5#





#33

1,2-Dichloroethane-d4

Concen: 42.104 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

Instrument :

MSVOA_N

ClientSampleId :

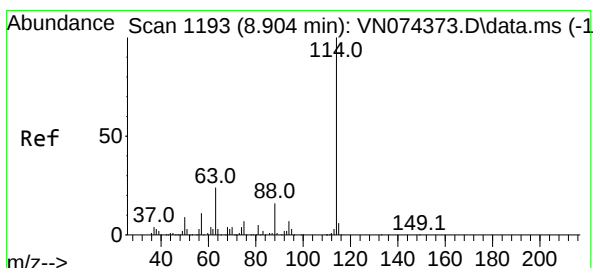
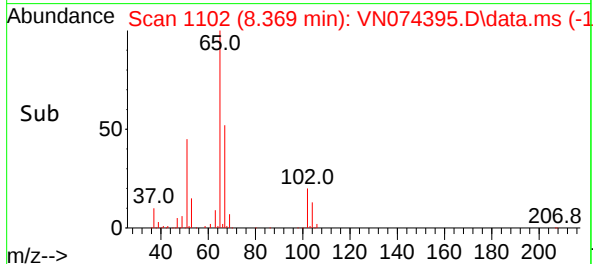
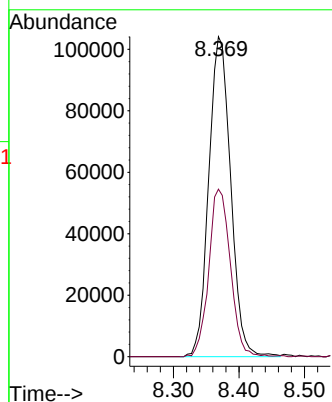
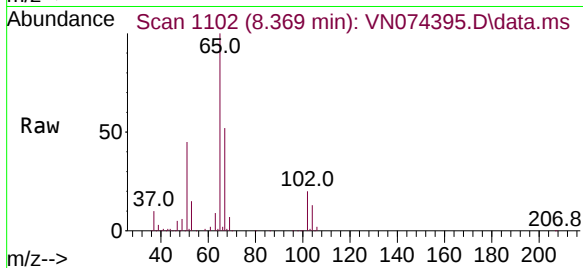
S1-SO_115D-20220902

Tgt Ion: 65 Resp: 241859

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

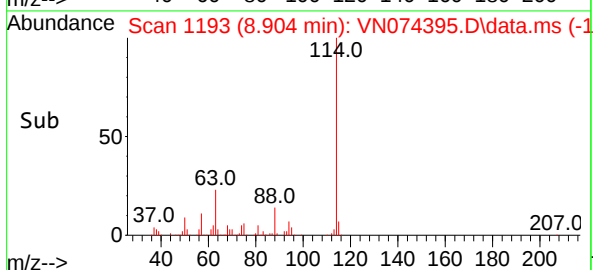
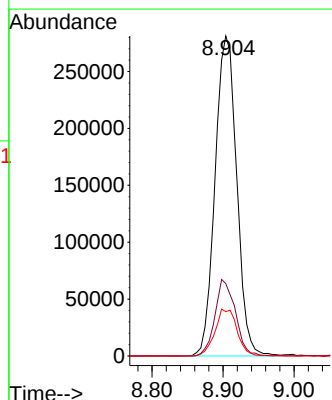
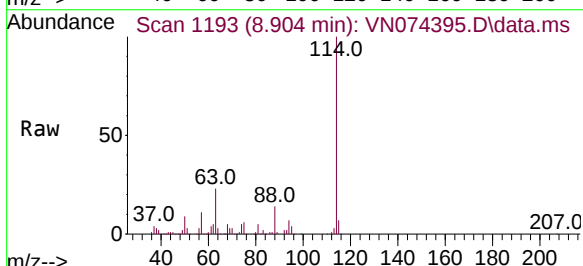
Tgt Ion: 114 Resp: 593980

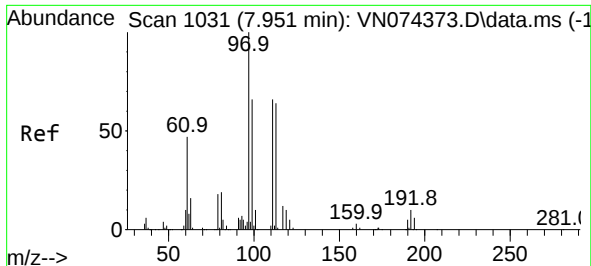
Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.6

88 13.9 0.0 31.4

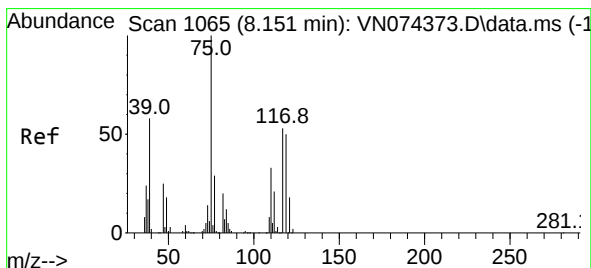
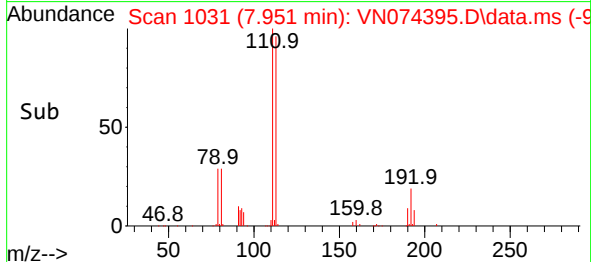
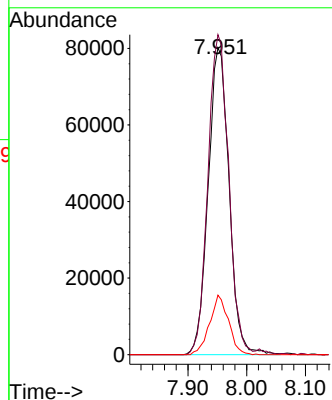
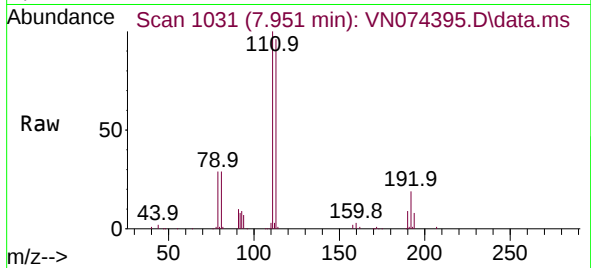




#35
Dibromofluoromethane
Concen: 49.498 ug/l
RT: 7.951 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

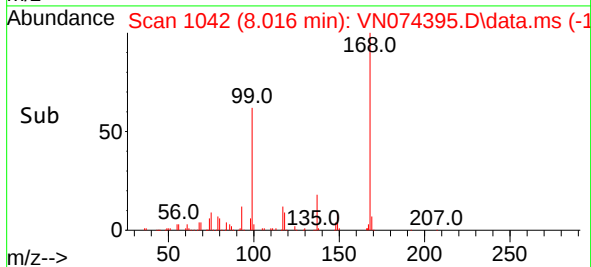
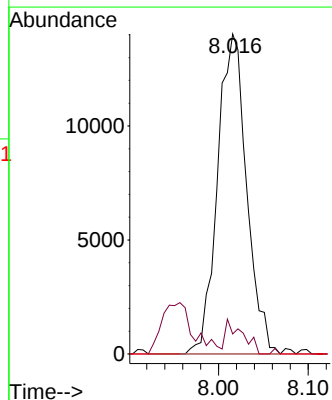
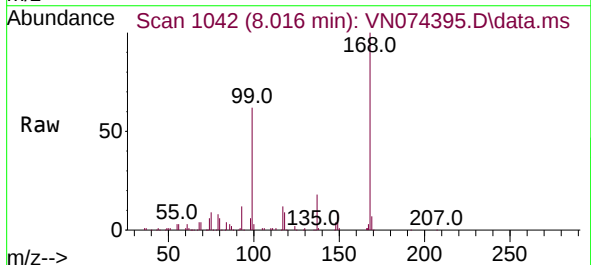
Instrument :
MSVOA_N
ClientSampleId :
S1-SO_115D-20220902

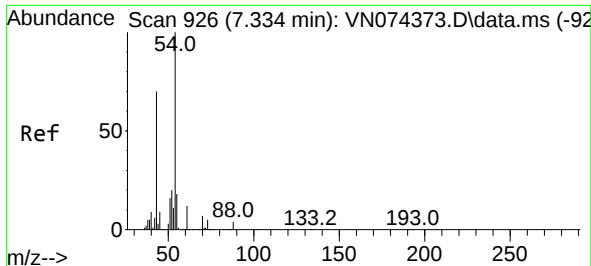
Tgt Ion:113 Resp: 198483
Ion Ratio Lower Upper
113 100
111 103.3 83.0 124.4
192 17.5 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.789 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Tgt Ion: 75 Resp: 31636
Ion Ratio Lower Upper
75 100
110 6.2 16.4 49.1#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 7.734 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074395.D

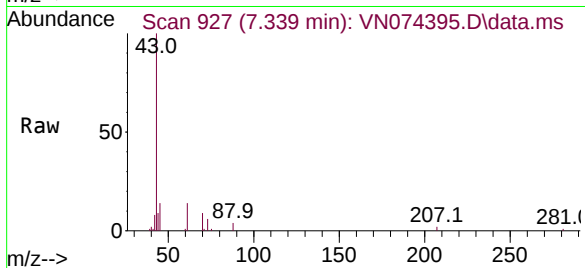
Acq: 10 Sep 2022 00:13

Instrument :

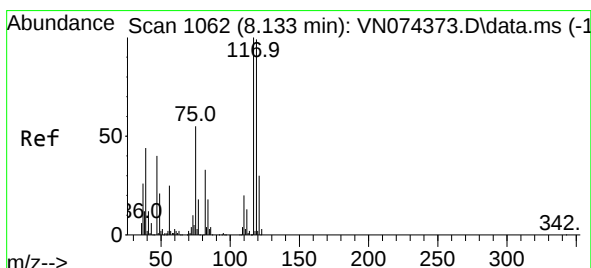
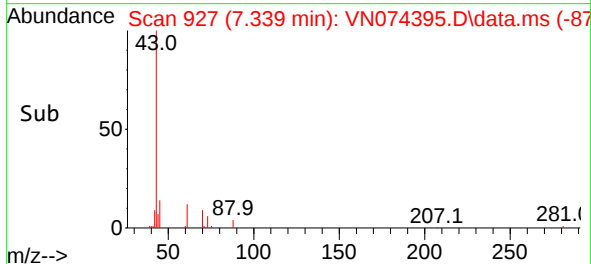
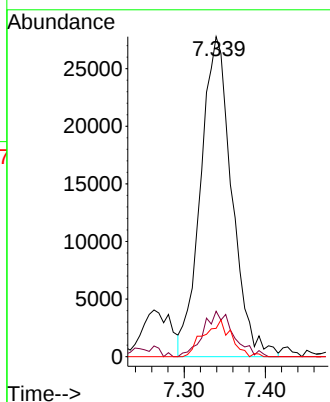
MSVOA_N

ClientSampleId :

S1-SO_115D-20220902



Tgt Ion:	43	Resp:	74114
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.1	16.7
70	10.2	7.2	10.8



#38

Carbon Tetrachloride

Concen: 5.278 ug/l

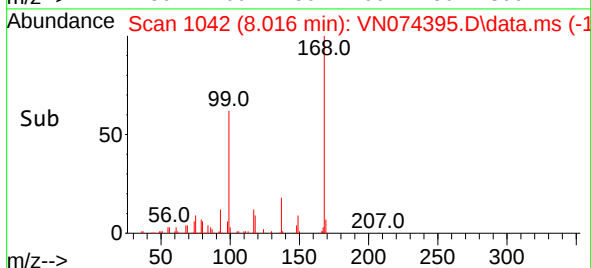
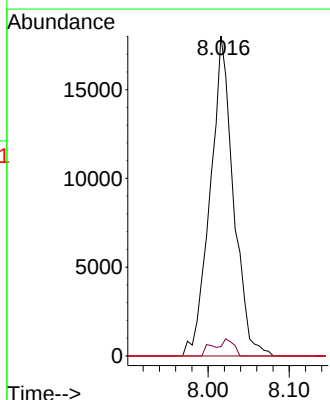
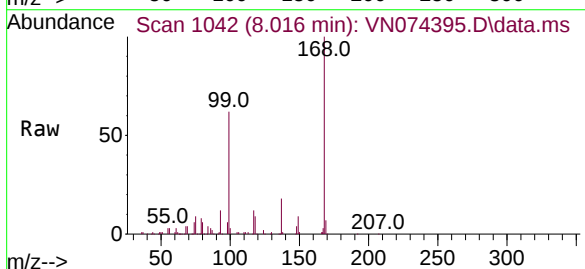
RT: 8.016 min Scan# 1042

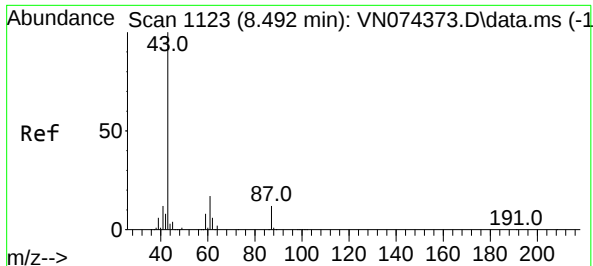
Delta R.T. -0.118 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

Tgt Ion:	117	Resp:	35997
Ion	Ratio	Lower	Upper
117	100		
119	2.9	78.8	118.2#
121	0.0	24.1	36.1#

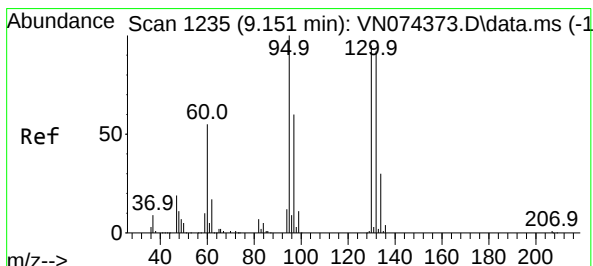
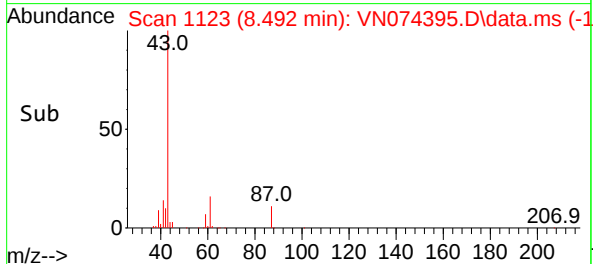
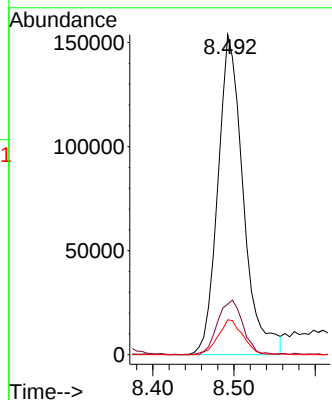
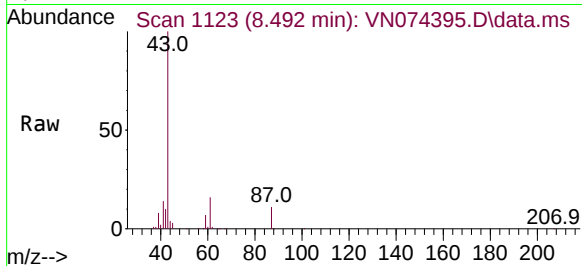




#43
Isopropyl Acetate
Concen: 21.374 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

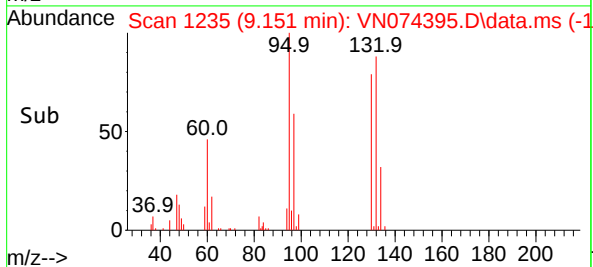
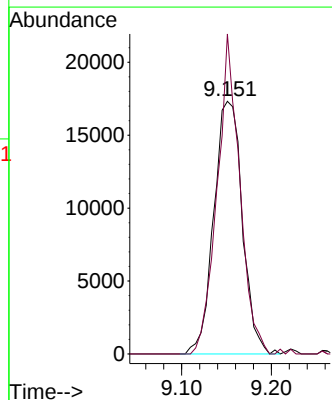
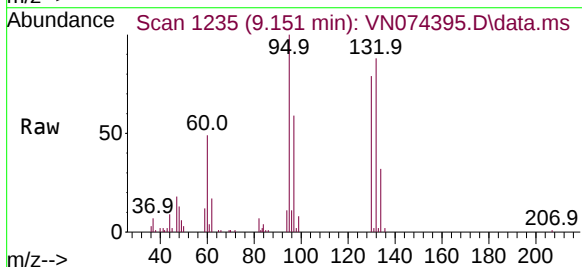
Instrument :
MSVOA_N
ClientSampleId :
S1-SO_115D-20220902

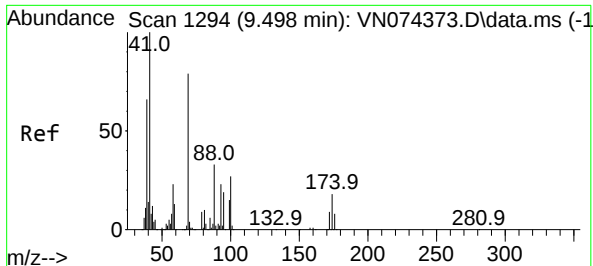
Tgt Ion: 43 Resp: 334968
Ion Ratio Lower Upper
43 100
61 17.2 18.6 27.8#
87 10.5 9.4 14.2



#44
Trichloroethene
Concen: 8.407 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Tgt Ion:130 Resp: 38121
Ion Ratio Lower Upper
130 100
95 126.6 0.0 210.0





#48

Methyl methacrylate

Concen: 1.403 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. -0.006 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

Instrument :

MSVOA_N

ClientSampleId :

S1-SO_115D-20220902

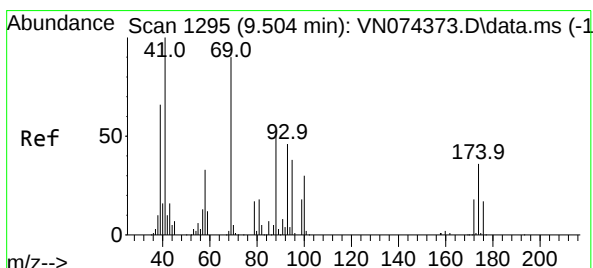
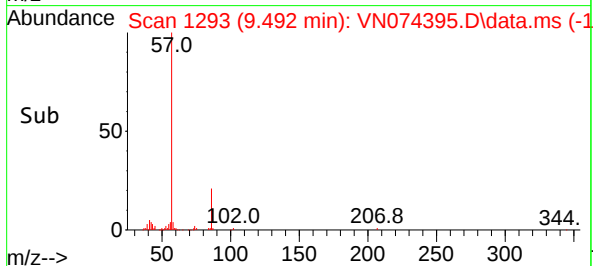
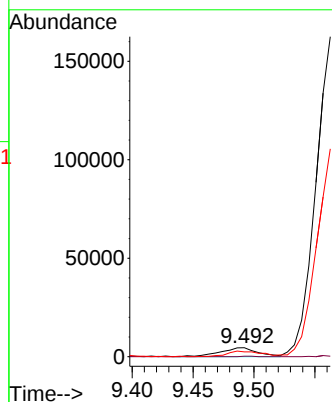
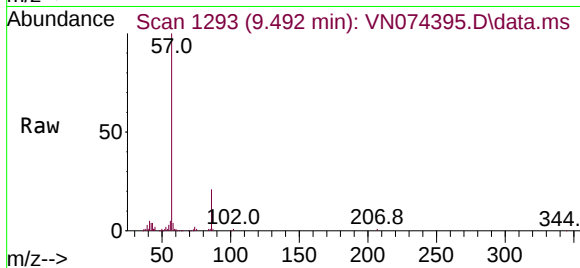
Tgt Ion: 41 Resp: 9691

Ion Ratio Lower Upper

41 100

69 1.7 67.6 101.4#

39 56.5 58.2 87.4#



#49

1,4-Dioxane

Concen: 0.563 ug/l

RT: 9.480 min Scan# 1291

Delta R.T. -0.024 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

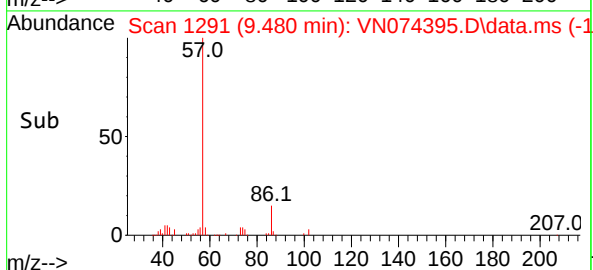
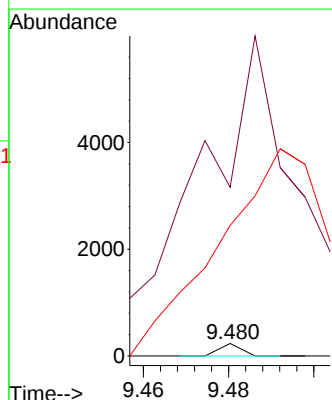
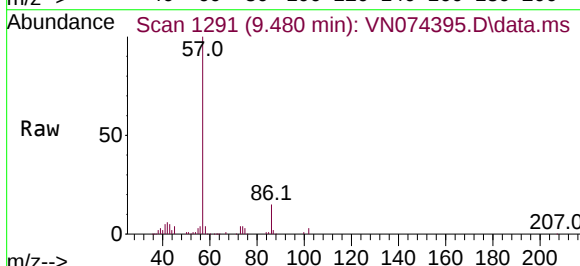
Tgt Ion: 88 Resp: 82

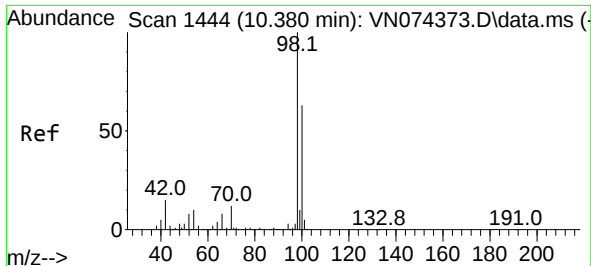
Ion Ratio Lower Upper

88 100

43 0.0 26.9 40.3#

58 8589.0 52.7 79.1#

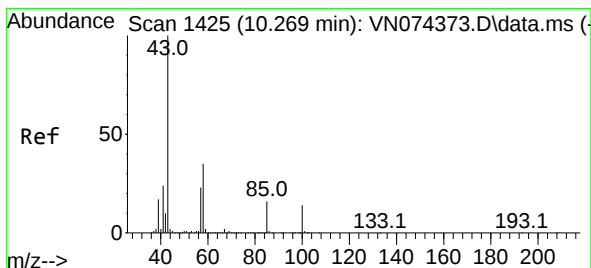
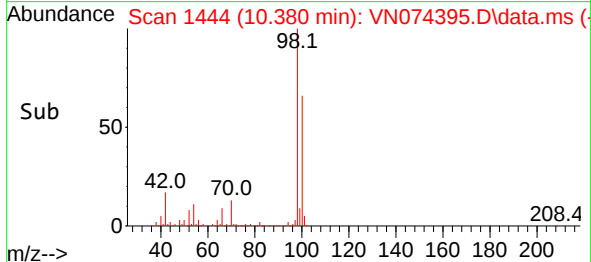
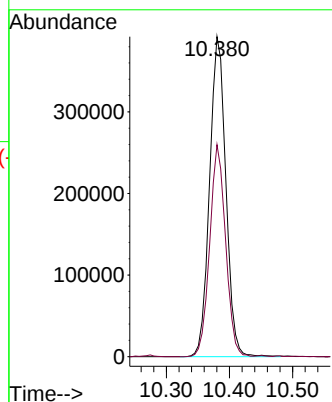
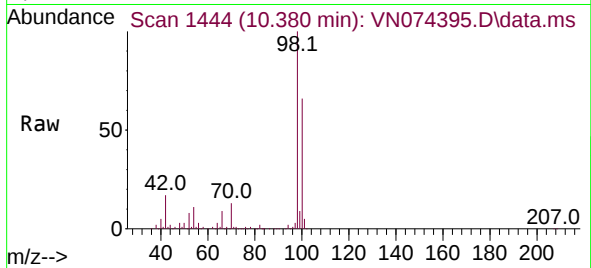




#50
Toluene-d8
Concen: 44.997 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

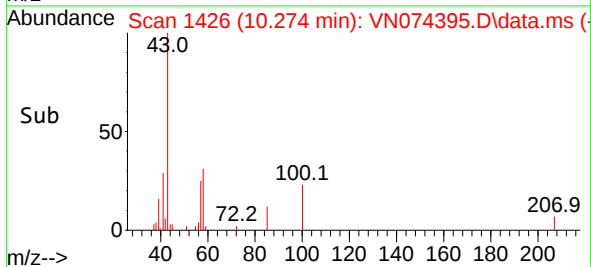
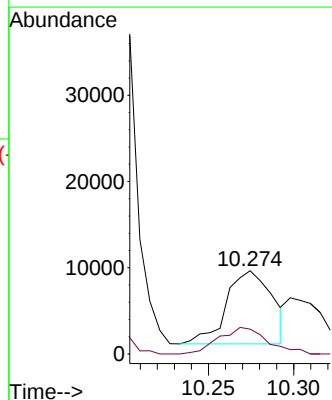
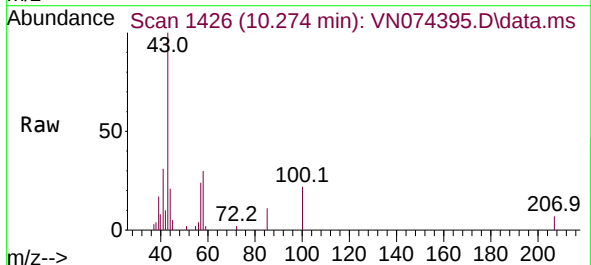
Instrument :
MSVOA_N
ClientSampleId :
S1-SO_115D-20220902

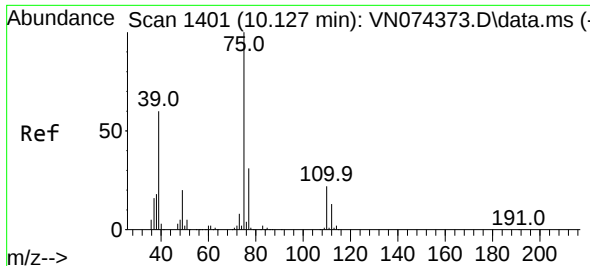
Tgt Ion: 98 Resp: 703054
Ion Ratio Lower Upper
98 100
100 64.6 50.6 76.0



#51
4-Methyl-2-Pentanone
Concen: 1.544 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Tgt Ion: 43 Resp: 15820
Ion Ratio Lower Upper
43 100
58 38.6 29.0 43.6

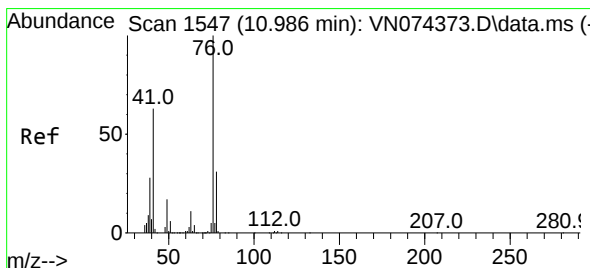
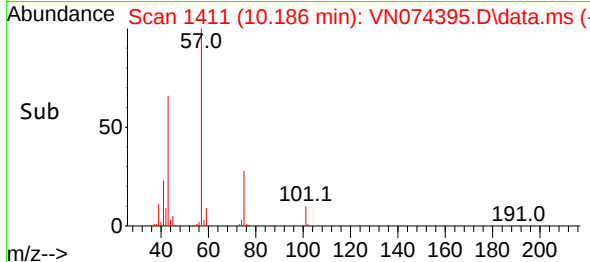
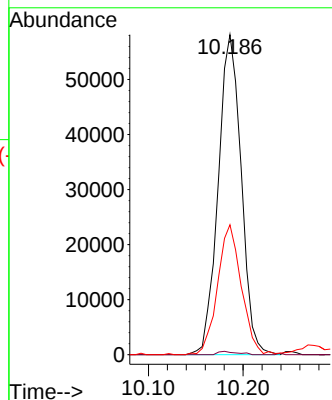
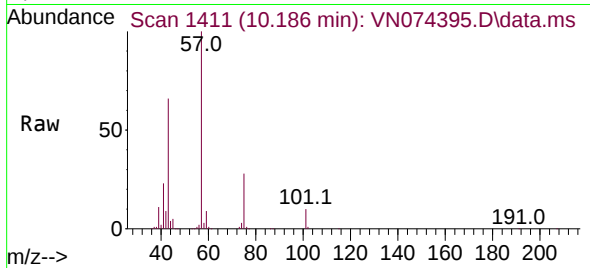




#54
cis-1,3-Dichloropropene
Concen: 11.413 ug/l
RT: 10.186 min Scan# 1401
Delta R.T. 0.059 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

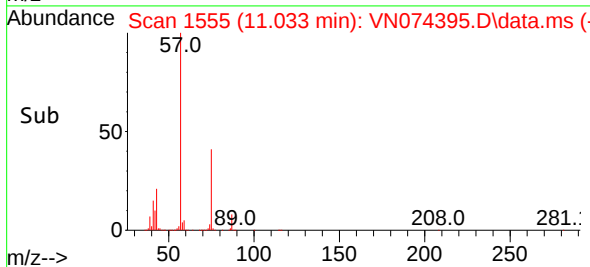
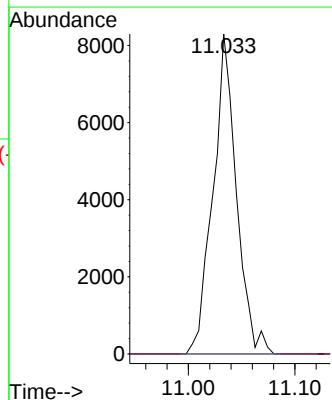
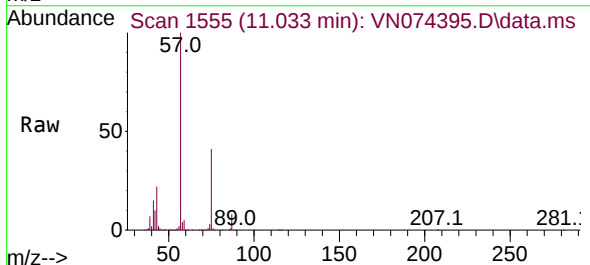
Instrument :
MSVOA_N
ClientSampleId :
S1-SO_115D-20220902

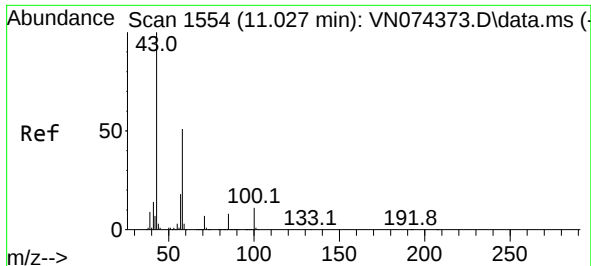
Tgt Ion: 75 Resp: 98352
Ion Ratio Lower Upper
75 100
77 0.7 24.5 36.7#
39 40.6 48.0 72.0#



#57
1,3-Dichloropropane
Concen: 1.408 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Tgt Ion: 76 Resp: 12686
Ion Ratio Lower Upper
76 100
78 0.0 25.0 37.4#

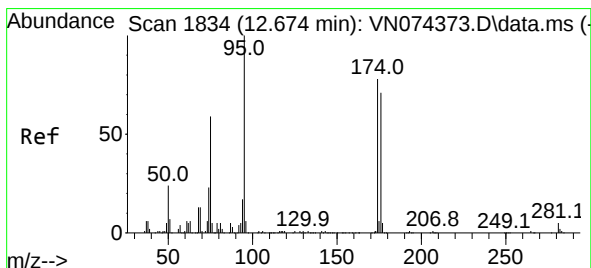
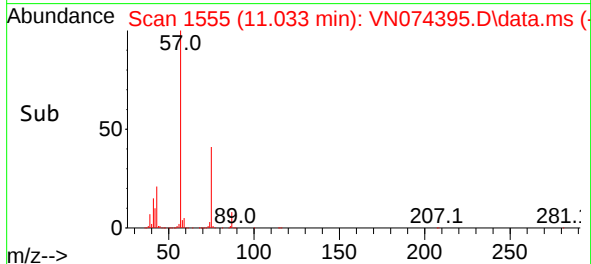
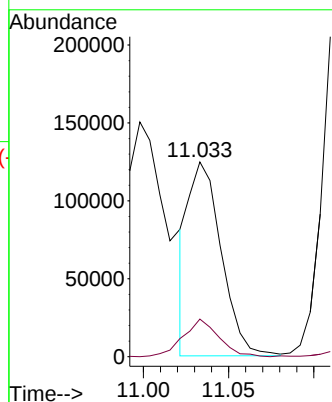
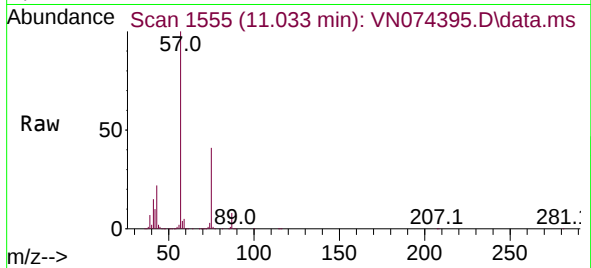




#59
2-Hexanone
Concen: 21.160 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

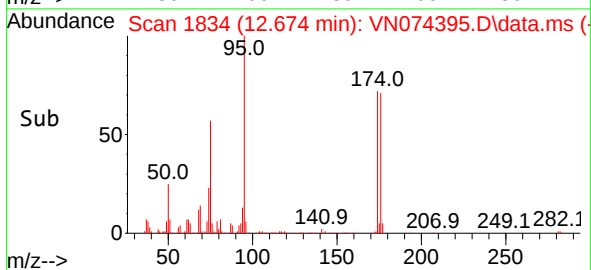
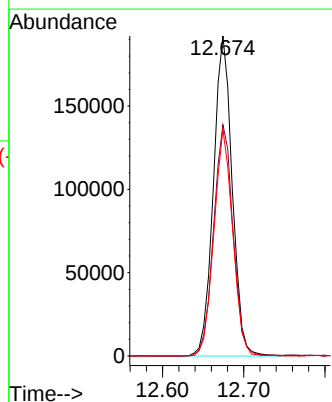
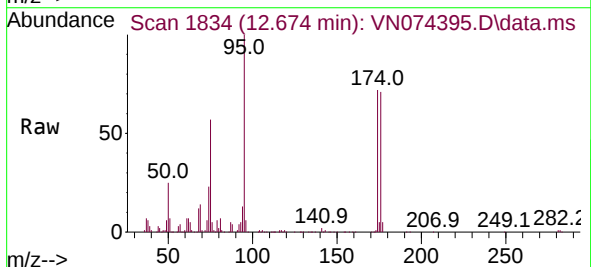
Instrument :
MSVOA_N
ClientSampleId :
S1-SO_115D-20220902

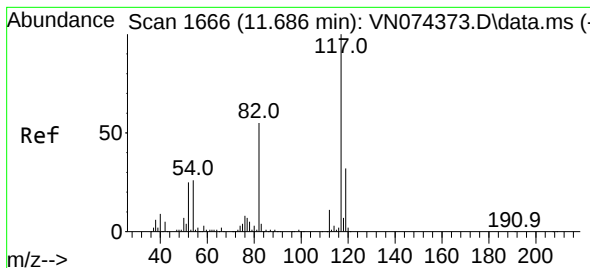
Tgt Ion: 43 Resp: 167359
Ion Ratio Lower Upper
43 100
58 21.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 54.284 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Tgt Ion: 95 Resp: 307938
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.6
176 70.8 0.0 143.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

Instrument :

MSVOA_N

ClientSampleId :

S1-SO_115D-20220902

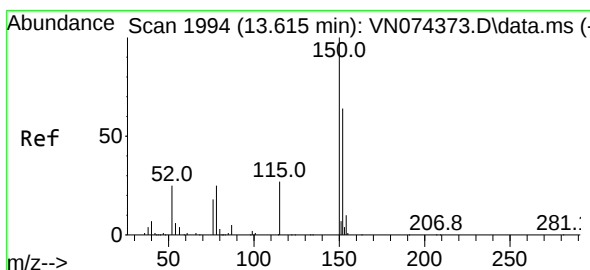
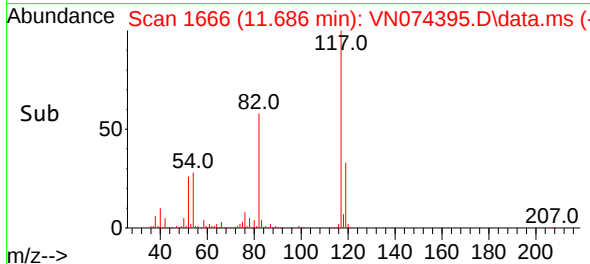
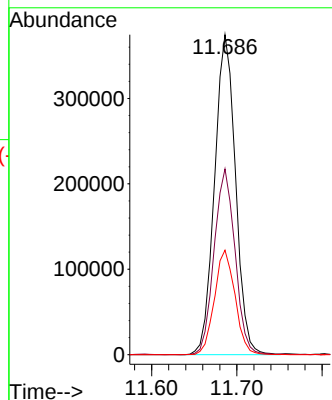
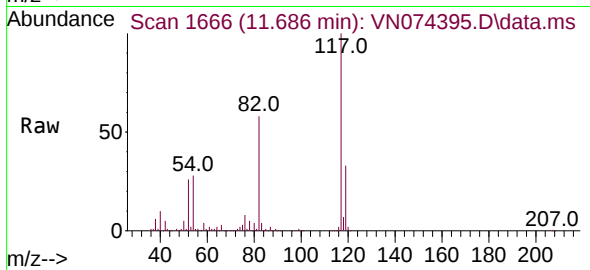
Tgt Ion:117 Resp: 641241

Ion Ratio Lower Upper

117 100

82 58.1 44.3 66.5

119 32.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN074395.D

Acq: 10 Sep 2022 00:13

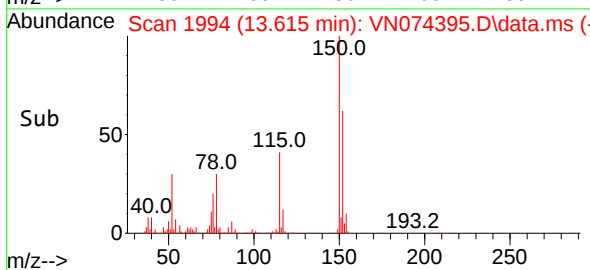
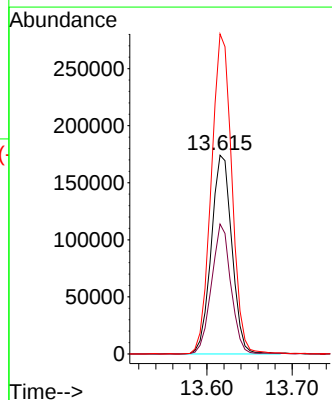
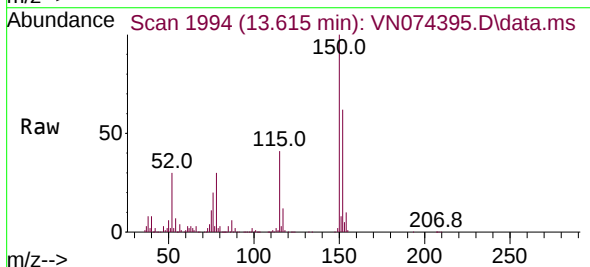
Tgt Ion:152 Resp: 294135

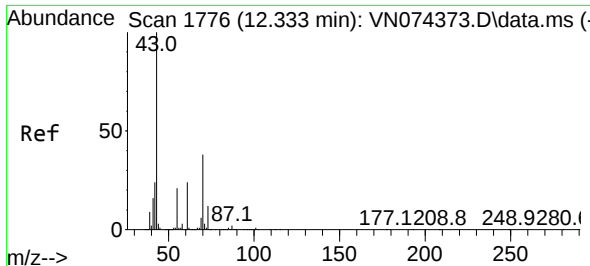
Ion Ratio Lower Upper

152 100

115 61.1 32.0 96.0

150 159.9 0.0 359.6

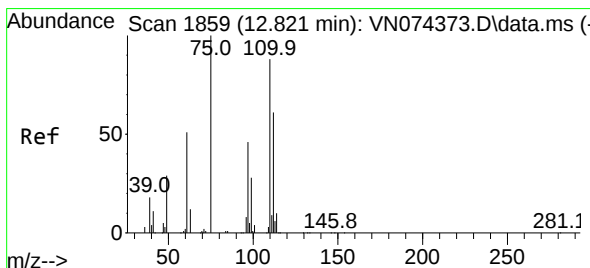
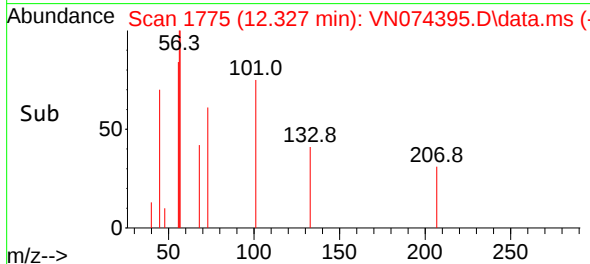
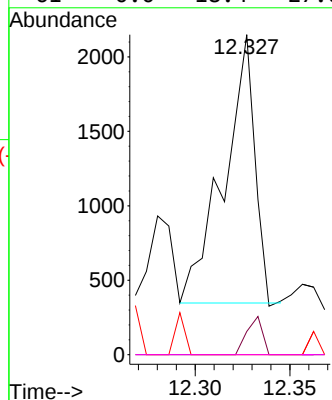
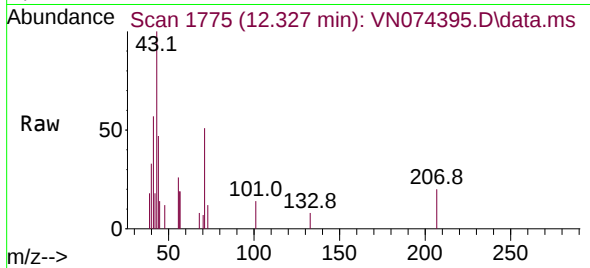




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

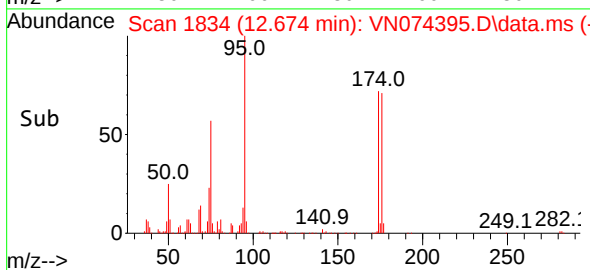
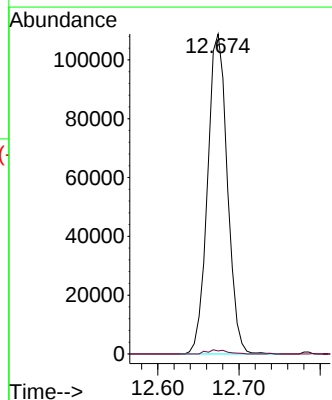
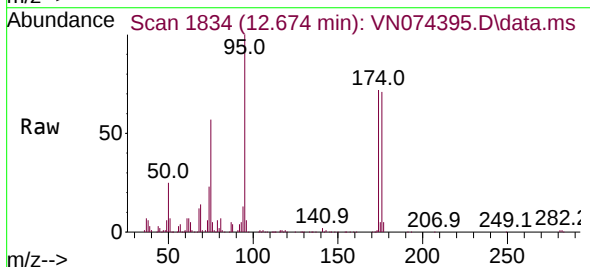
Instrument :
MSVOA_N
ClientSampleId :
S1-SO_115D-20220902

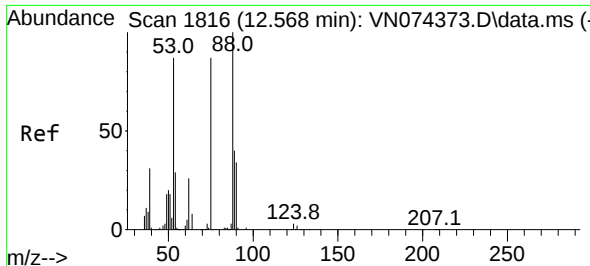
Tgt Ion: 43 Resp: 2041
Ion Ratio Lower Upper
43 100
70 7.2 31.4 47.0#
55 0.0 17.0 25.6#
61 0.0 18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 23.914 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Tgt Ion: 75 Resp: 183882
Ion Ratio Lower Upper
75 100
77 1.3 78.9 236.7#

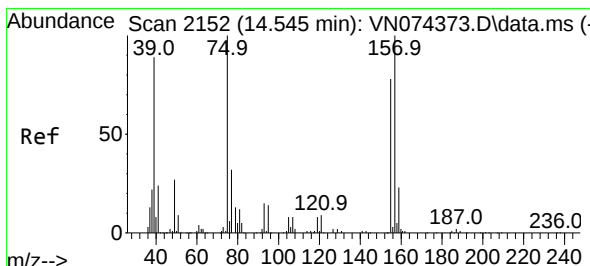
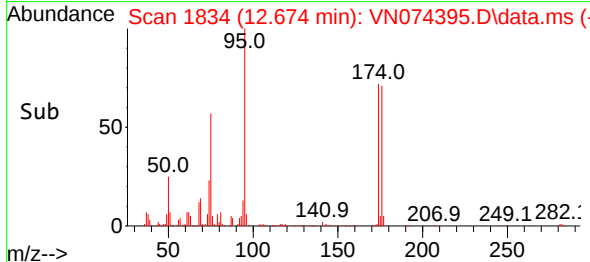
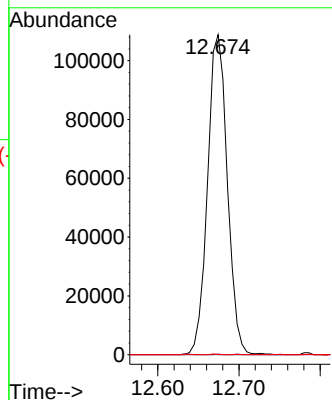
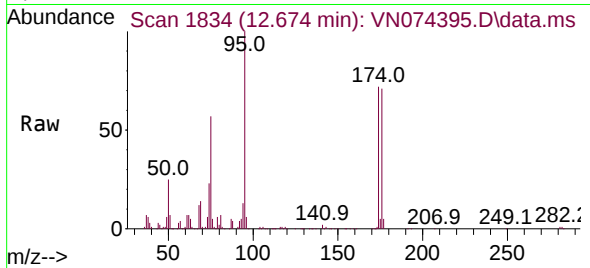




#81
trans-1,4-Dichloro-2-butene
Concen: 53.305 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Instrument :
MSVOA_N
ClientSampleId :
S1-SO_115D-20220902

Tgt Ion: 75 Resp: 183882
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.0 37.7 56.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.509 min Scan# 2146
Delta R.T. -0.036 min
Lab File: VN074395.D
Acq: 10 Sep 2022 00:13

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
155 0.0 36.6 109.9#
157 0.0 46.2 138.5#

